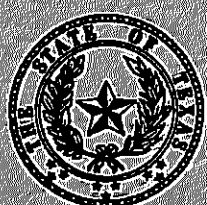


THE TEXAS INPUT-OUTPUT MODEL, 1979



LP-189

TEXAS DEPARTMENT OF WATER RESOURCES

MARCH 1983



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By .

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Texas Department of Water Resources

March 1983

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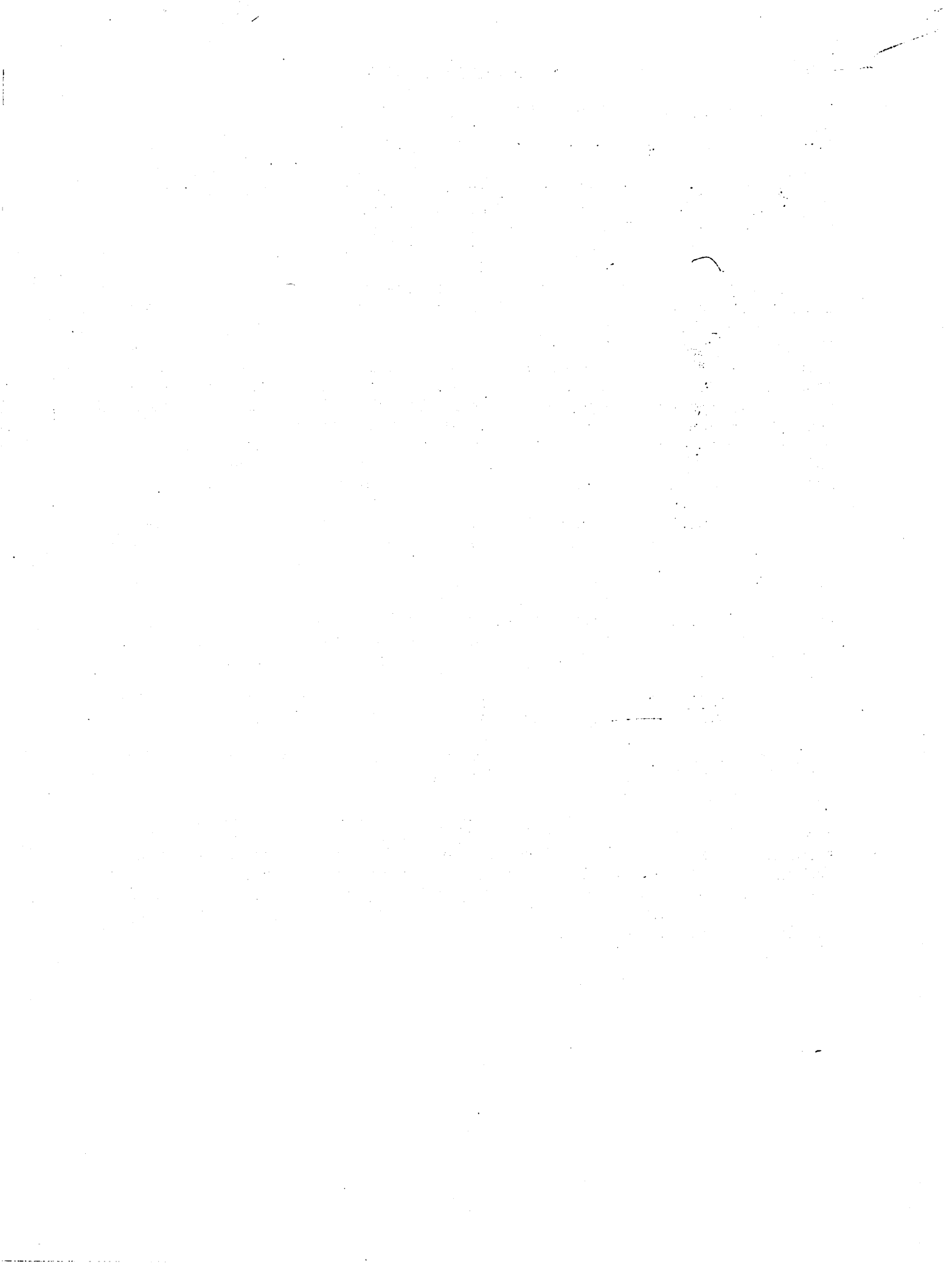
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Finally, much gratitude is due to the hundreds of business and industrial establishments who allowed the field researchers to enter into their places of work and conduct quite detailed data gathering. Without such cooperation I-O Models are impossible to construct. The Department will assist interested individuals and private businesses in obtaining the I-O Models and conducting studies with it. The essential usefulness of the Model to the State is to present a complete, quantified picture of the economy for a recent year which gives economists, marketing analysts, public agency personnel, private citizens and any other researchers the ability to measure the full range of interaction within the complex Texas economy.



ABSTRACT

The Texas Input-Output (I-O) Model is a quantitative representation of the State's economy for a given year, showing the interaction of all businesses, industries, governments, and households. The extent of economic dependency by any given sector, a group of similar industries, upon all other sectors is shown. This report presents the third estimate of Texas' economic structure, based on the study year 1979. The update was accomplished by conducting field surveys and combining their results with secondary data. The 1979 Texas I-O Model shows major structural changes in Texas when compared to the previous version that was based on 1972 data. Measurements of sector interdependency, or multipliers, are re-calculated; they show the impact of changing trading relationships evident during the seven year period. The primary use of the Model is for economic impact analysis, but other uses such as a data base for forecasting economic relationships are possible. The Model is also used by economists, planners, market analysts, public agency personnel and any researcher interested in data and analysis which show the details of the complex Texas economy.



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INTRODUCTION

As the third in a series, the 1979 Texas Input-Output Model is presented in this volume. The project to update the 1972 version was initiated by the Department of Water Resources and funded through State appropriations. The need to update became evident during the last years of the decade of the 1970's, when major structural changes in the Texas economy were clearly altering the relationships quantified in the previous 1972-based model.

The largest such change was the pervasive influence of imported foreign crude oil for use in the petroleum refining sector. The significant increase in payments of billions of dollars to foreign producers resulted in significant leakage from the Texas economic system, meaning that 1972 Input-Output multipliers would likely be changed to reflect this development. A lessening of relative dependence on Texas oil and gas production would tend to lower multipliers in general since the fuels sectors, connected by trading to almost every other sector, would exert less total domestic impact on the rest of the industries than in 1972.

A rapid increase in prices for every product and service also rendered the 1972 relationships less accurate to current conditions. Some sectors, such as fuels, medical services, chemicals, metals, and business services increased unit prices at a much higher rate than others, causing the I-O relationships to be radically different from the 1972 estimate. Purchased raw materials and services inputs were influenced by relative-price disparities to such an extent that quantities of each input going into the processing sectors' mix of sectors necessary for production were changed by 1979.

A changing technology, geared toward industries such as electronic data processing and communications, and locations of new businesses and manufacturing industries also contributed to the need for an update. The Arab embargo was known by analysts to alter the transportation, utility and household sectors of the economy since energy conservation became a necessity. The resulting introduction of new means of communications and data flow further altered household consumption patterns, such as higher expenditures for transportation than previously and the introduction of electronic equipment into a mass market contributed to the changes.

Not the least of changes was the rapid growth of the Texas population and economy. The state added almost 2.3 million people from 1972 to 1979. Related to that increase, entirely new industries sprang up and relocations of plants to Texas increased rapidly. The businesses and industries of the state also began to trade much more extensively with out-of-state suppliers of goods and services, as the corporate linkages to the rest of the nation and to the world increased; this alteration of trade structure has an important influence on the results of the Model.

Users of the I-O Model throughout the state and nation now have a more accurate representation of the Texas economy in the post-embargo era. As a research and planning tool, the Model can serve numerous purposes, from impact studies to marketing analyses. Previous users have incorporated the I-O Model into other types of economic studies in order to increase industrial detail of their work. Future users are encouraged to adapt the Model's data to their needs, making alterations when new data become available.

This model builds upon the work of the 1967 and 1972 versions. With each successive year, the cost and difficulty of update grows. The 1979 Texas I-O Model is a survey-based model. The increased number of business establishments, and a broader-based economy in Texas prohibit as complete a survey coverage as was made in the first I-O project, yet techniques of estimation and availability of non-survey sources of data offer opportunities to construct I-O tables which generally carry forward the first Model's accuracy.

The Model's data, with accompanying economic multiplier tables are presented in the Appendix. A summarized version is presented in the text for purposes of illustration. The following discussion presents definitions and concepts used in the Model, a general explanation of the update methods and results of the update.

INPUT-OUTPUT MODEL CONCEPTS

An input-output (I-O) model of a state's economy is a quantitative statement showing the transactions among the component businesses and industries of the state in a selected year. Using dollar values of trade, the model summarizes the yearly account of all economic activity in the state, measuring the flow of goods and services throughout the economy.

Sectoring the Model

To permit orderly presentation of the complex linkages among and between the hundreds of thousands of businesses, services and public establishments in the Texas economy, similar activities must be grouped by some method. An economic sector, the basic division of the I-O Model, is a collection of establishments which produce the same kind of products or quite similar products. Each producing unit in Texas (such as a plant, office, or field operations organization) is classified according to its product, or activity, by the Standard Industrial Classification system (SIC code), in use at the national level. The latest version, 1972, is used in Texas for classifying all economic activities.

The 1967 I-O Model presented a sectoring of the Texas economy based on analysis of similar input structure for candidate SIC codes and on a division which would allow convenient analysis of important activities in the State, such as the numerous types of chemical producers, wholesale trades and services establishments. This previous sectoring, adjusted for changes made in SIC coding in 1972, is carried forward to the 1979 model. In addition, new activities, lignite mining and computer services, are included in this version in Sectors 21 and 170 respectively. Comparisons of data in the 1967 and 1979 versions of the model may be affected, however, by definitional changes in the SIC classifications (especially in trade sectors), but with few exceptions, the general sectoring in 1979 is similar to that of the previous model year, 1972.

Agricultural sectors are defined along activity or enterprise lines, as opposed to establishment classification. For example, a multi-crop farm will produce output divided into the corresponding agriculture sectors, according to the kind of crop grown. This approach is necessary since available farm and ranch data are presented by crop and type of livestock production instead of by farm establishment.

Most sectors represent establishments which typically produce more than one type of product according to SIC classification. These include secondary products of a type which may or may not fall into the sector's SIC code list. The major product line (by share of gross sales) determines an establishment's classification. Thus, the Texas I-O Model is categorized as an industry-by-industry model. As such, it does not correspond to the national models currently published by the U.S. Department of Commerce. These must be converted from their industry-by-commodity basis (secondary products removed) for comparison purposes.

Basic Data and Organization of the Model

The trading between establishments and among other establishments, households (consumers), governments, capital accounts and the rest of the world (exports and imports), is measured by the basic data in the Model, the Transactions Table. The information required to estimate this exchange of commodities and services was collected from a sample of firms in the state through personal interviews, the information about the trades sectors was obtained from technical journals, annual accounting reports, and published data by private and governmental sources. Published information about particular transactions, including items such as total volume of oil imports, total expenditures for natural gas or electric energy by farmers, total Federal taxes collected in Texas, and other data were used to check and adjust preliminary estimates of the transactions table.

All values in the Transactions Table are in 1979 dollars. Transactions are measured in terms of the dollar values, f.o.b. the shipper, and of gross billings for services. These are "producer prices," that is, an individual purchasing sector is shown to have separately paid the cost of material or services from the previous processor. In the case of payments to trade sectors, the cost is accounted as the margins (or mark-ups) on the goods bought. This amount is shown allocated to the respective trade sector. The cost of merchandise purchased from trade sectors is allocated to the proper processing sector or to imports. The Final Demand, or consumer sectors (the last seven columns of the Model), show direct dependence upon the manufacturing and service sectors by allocating the costs to the proper last-stage processors, transportation and "trades and service" sectors.

The sales and purchases data of an economy can be conveniently displayed in the Transactions Table for ease in observing the dollar values of trading among the sectors of the economy. The Input-Output Transactions Table is organized in a rectangular array of rows and columns. Each row and its corresponding column contain the selling and purchasing transactions of an individual sector. The sales are shown along the row and the purchases are shown in the column. The sum of a row is the total output of the sector represented by that row. The sum of the values in a column is the value of input purchases and factor and resource payments of the sector represented by the column.

The sales or output of a typical sector may include sales of raw materials to other sectors of the local economy, sales of intermediate goods to other local producing sectors and sales to Final Demand (sales of finished goods to final consumers of the local economy, sales to government, sales to capital formation, and export sales of raw materials, intermediate goods and finished goods to producers and consumers outside the local economy). In the case of sectors which produce services, the sales of services to producing and consuming sectors are tabulated in dollar values in the same fashion as are the value of sales of goods.

The inputs (values read down the columns) may include goods and services purchased from other sectors of the local economy (Processing Sectors) and Final Payments. Final Payments sectors include the household sector, imports, taxes, depreciation and retained earnings. Purchases of materials and services from suppliers located outside the system are imports and are included in the Input-Output Model in the imports row (sector 182). Wages, salaries, and other

payments to individuals represent the purchases of labor and management services from the household sector, the households row (sector 176). Incomes thus generated are used by the population of consumers to purchase finished goods and services produced by the economy.

Definitions of Texas Economic Sectors

The Texas economy is composed of eleven (11) major groups of producing activities, including: (1) Agriculture, Forestry and Fisheries, (2) Mining, (3) Construction, (4) Manufacturing, (5) Transportation, (6) Communications, (7) Utilities, (8) Wholesale Trade, (9) Retail Trade, (10) Finance, Insurance and Real Estate, and (11) Services. Each of these groups is composed of several producing sectors. The Final Demand and Final Payments sectors trade with these processing sectors to complete the State's account balance for the I-O model year. These major groups are defined below.

Agriculture, Forestry, and Fisheries (Sectors 1-17, except 13)

The agricultural, forestry and fisheries sector of the model represents the farm production of field crops, food grains, cotton, vegetables, citrus, peanuts, treenuts, oilseed crops, range livestock, feedlot livestock, dairy, poultry, and forestry. Agricultural services such as cotton ginning, harvesting and spraying on a custom basis are included. Commercial fishing activities of the Gulf Coast are also included in this group of sectors.

Output of the agricultural, forestry, and fisheries sector is defined as gross values of product at the "first-handler" point in the marketing process (point of landing in the case of fish catch), with the exception of cotton, which is valued at the cotton gin after ginning. The agricultural sectors' outputs are valued at the first handler level, since in practice, farmers transport, at farm expense, farm products to "first-handlers" at central produce collection points. Farmers also pay cotton ginning costs; thus, producer prices include these additional service costs of producing cotton and making cotton available for sale to the "first-handler."

Mining (Sectors 18-21)

In Texas, the mining sector includes crude petroleum production, natural gas and natural gas liquids production, oil and gas exploration, drilling and well servicing, lignite, sand and gravel, stone, clay, gypsum, sulphur and a small amount of metal ore production. Much of the present metal ore mining is reported and included as a part of the manufacturing sector which uses the respective ores as a secondary product since, in Texas, these activities are often vertically integrated in the manufacturing processes which use the ores; however, lignite is separated from services produced by the electric utility sector.

Mining output, in producer's prices, is the value of product at the point of extraction; i.e., ready to be transported to refinery, smelter, or other processor. Under the procedures of the Input-Output Study, the mining establishment pays costs of exploration, drilling, and other production inputs. The

next processor pays raw product price plus transportation and other charges required to move mining output from the site of extraction into the manufacturing process where value is added.

Construction (Sectors 22-26)

In the Texas economy, construction includes residential, commercial, institutional, industrial, facility, and maintenance and repair "value of work put in place." The value of work of the "special trades" or establishments which provide services on a subcontract basis to major "new construction" projects and maintenance and repair services to existing structures are included as part of the respective sectors for which the work is done. Establishments of these latter sectors provide a wide range of services, including foundation work, masonry, carpentry, electrical, heating, air conditioning, plumbing, glass, steel erection, metal work, roofing, repair and demolition.

For purposes of analyses, construction output is defined as dollar value of work put in place during the study period. Almost all of construction output is considered capital formation and appears in the capital sectors of Final Demand.

Manufacturing (Sectors 27-113 and 173)

Manufacturing establishments were grouped into homogenous sectors using the "establishment convention" explained earlier. The manufacturing sectors include production activities by ordnance and accessories, food and kindred products, textile and apparel products, lumber and wood products, furniture and fixtures, paper, printing, publishing, chemicals, petroleum, rubber and plastics, leather, stone, clay, glass, concrete, primary and fabricated metals, machinery, equipment, instruments, photographic and optical goods, and miscellaneous manufactured goods. Manufacturing establishments such as food processors and petroleum refineries receive raw materials, transform these into more highly usable states and pass the resulting outputs through the system either to other manufacturers, in the case of partially finished goods, or to consumers (Final Demand) in the case of finished goods, and export to out-of-state buyers.

The output of the manufacturing sector is measured as the dollar value of production in terms of producer's prices (f.o.b. the factory). Some current sales may be made from inventories accumulated in previous production periods, and some current production may be added to inventories. Thus, inventory change is included as one of the final demand sectors.

Transportation (Sectors 114-121)

Transportation and storage services are used by the producing and consuming sectors of the economy. Railroads, air passenger and cargo operations, water movements, pipelines, local transport and travel services are included in this group of sectors. Operations within the State are the basis for the transactions values of the various types of commodity and people movement. The pipeline sector is separated from parent industry totals (petroleum and gas vertically integrated establishments) because of the unique nature of inputs and volume of export of this service.

The output of the transportation sectors is measured in terms of the dollar value paid to transportation establishments for services rendered. Under the conventions of the Texas Input-Output Study, the purchaser of goods pays for transportation services.

Communications (Sectors 122-124)

The Communications sectors of the Model include telephone and telegraph, radio and television, and "other" communications services. Printing and publishing establishments are included in the manufacturing group.

For purposes of Input-Output analyses, the outputs of the communications sectors are measured in terms of dollar value of receipts for services rendered by communications establishments. In the case of telephone and telegraph establishments, income includes rental of equipment to households, governments, and businesses. The income of radio and television establishments is derived largely from the sale of advertising time and the production and transmission of advertising messages (commercials) along with broadcast entertainment.

Utilities (Sectors 125-127)

The utilities sectors include gas, electric, water and sanitary services. Public ownership of utilities was factored into these sectors such that both private and public sector receipts and costs are modeled in the transactions values.

The outputs of utilities are represented by the sale of energy or energy services, and water and waste disposal services to households, government, industry and business establishments. The receipts of the services are valued at the point of delivery. The value of outputs of utility establishments are the sum of the receipts for these services.

Wholesale and Retail Trade (Sectors 129-145 and 13)

The trades or "margins" industries provide service to the economy both in the marketing of finished goods to consumers and in the procurement and marketing of inputs used by the producing sectors. The trades establishments, to a large extent, perform the functions of moving manufactured goods through the markets and, in the process, transmit the desires and demands of consumers to producers.

The trades sectors' output is in the form of services rendered in the production of time, place, and convenience utility to producers and consumers. The trade establishment purchases goods for resale in a market. The value of the product, as measured f.o.b. the shipper, is marked-up by a ratio or percentage of the purchase price to permit the recovery of expenses incurred for the goods plus the cost of moving, handling, storing, and merchandising, including retained earnings.

For purposes of Input-Output analyses, output of the trades sectors is the gross value of the "margins" collected on goods handled. The value of the

merchandise sold is not included in the outputs or the inputs from the trades sectors. Properly, any analysis of retail or wholesale sales using this model must be converted to a margins basis. For example, gross retail sales cannot be used for the estimates of further impact on the economy; sales must first be stated in margins totals.

Finance, Insurance and Real Estate (Sectors 146-148)

The Finance, Insurance and Real Estate (FIRE) establishments include four major activities — banking and credit, insurance, security and commodity brokerage, and real estate sales and services. Users of finance establishments make payments for services rendered in the form of interest payments for the use of borrowed funds. Homeowners' annual interest payments are included in these sectors, with equity tabulated in the household-to-household cell in the Model. Financial institutions also receive rents, fees, profits, and returns on owned properties, bonds and securities. The nature of finance output is in the form of services and through the widespread use of these services, the finance sector outputs are commonplace inputs of practically every other sector of the economy.

Insurance establishments provide services to the producing and consuming sectors of the economy in the form of risk assumption and finance. Purchasers of insurance services make payments in the form of insurance premiums for risk transfer and receive some interest payments analogous to interest paid to other finance establishments for borrowed funds.

The outputs of commodities and securities brokers are in the form of services rendered in the purchase and sale of contracts and certificates. The sellers and purchasers pay brokerage fees for these services.

Services (Sectors 149-174)

The services sectors includes legal, lodging, barber and beauty, research, employment, amusement, recreation, rental, repair, engineering, architecture, accounting, auditing and bookkeeping services. The outdoor recreation, medical and education service sectors include both private and public establishments. Public schools and universities account for most of the value of transactions in the education sectors; these values are in fact the allocation of taxes paid for the purpose of education, with a small quantity of private expenditures included in the totals. Likewise, a large portion of the medical sectors is related to public expenditures.

Outputs of service sectors are measured, in dollar terms, by the dollar value of payments received for services rendered. For government enterprises, education and hospitals, output is total expenditures from public revenue. These sectors receive taxes from practically all other processing and consuming sectors. Such tax receipts are analogous to sales of services, although the taxpayers may not receive the services directly.

Final Demand (176-182)

The last seven column sectors are classified as final demand sectors. These include those economic activities which receive and use goods and services without further trading or resale, as occurs in the processing sectors discussed previously. The I-O Model Final Demands include the following: 1) households, the personal consumption column showing disposition of all personal income in Texas for the model year; 2) Federal defense and non-defense expenditures, including transfer payments to individuals and lower-level governments, 3) State and local expenditures; 4) capital formation, an account of durable plant and equipment put in place for the year, including imported capital expenditures by establishments and individuals outside of the State; 5) exports, the value of goods, services, trade margins and personal labor and services sold to out-of-state buyers.*

These sectors determine the volume of the processing sector outputs since they represent the ultimate market for the processing sectors. Changes in Final Demand create the impetus for multiple changes in the interdependent processing sectors.

Final Payments (Rows 177-182)

The Final Payments sectors are the final seven rows of the Transactions Table, and include wages and salaries paid to households, property payments, federal, state and local government tax payments, depreciation of durable goods, and imports. These are the sectors to which purchasing sector payments are said to escape the processing system; this "leakage" of transactions occurs because the final payments sectors do no further processing and, in fact, these payments serve as the sources of income for the Final Demand sectors; imports are out-flows of Texas funds.

The household sector is defined as total personal income (wages, salaries, rents, dividends and interests paid to people). The property payment row (Row Sector 177) is defined as retained earnings for each sector, representing return to investment, management and property. The government sectors' (178-180) transactions are tax payments to general government. Government enterprises such as electric utilities, hospitals and schools are included in the model as processing sectors. The sum of these rows in final payments represent total revenues by general government (taxes and fees). Capital depreciation is similar to the annual capital consumption allowance for industrial accounting purposes. The production requirements of a sector's capital is a real, accountable expense.

Imports are the total payments by the column sector to all factors of production purchased from out-of-state sources. Imports are a lump sum of

* Sufficient data about net inventory change for each sector were not available for the survey year. Thus, this column does not appear in final demand as in previous models. Any actual inventory buildup or drawdown will be included in other final demand sectors because the output totals represent value of production in the year. The exclusion of this column in no way affects the solution for the Model's interdependency table.

payments for services, labor, raw materials, interest and earnings to the rest of the world, except for federal taxes and assessments. The relative size of the imports row to all other input sectors determines much of the magnitude of impact any one sector has on the entire economy, or "multiplier effect" discussed later.

METHODS AND APPROACH TO BUILDING THE UPDATED MODEL

Revising the previous model to reflect current changes in structure in the Texas economy involves the collection, interpretation, processing and presentation of a large quantity of data. As the largest State model in the nation, the Texas I-O matrices contain over 33 thousand cells, or interactions of row sectors with column sectors. Each of these cell values change from year-to-year such that updating to reflect recent trading conditions is a complicated project requiring significant personnel, computer and data resources.

The general methods, data collection procedures and model construction techniques will be discussed in the following sections. The Department of Water Resources Planning Division staff who are assigned to maintain the Model also maintain the data, documentation, computer software and analysis capability for building and using the 1979 I-O Model and other models created from it.

Analytic Approach

Within the context of available resources, Department staff decisions on appropriate update methods mainly focused on reducing overly expensive data collection whenever possible while maintaining a level of accuracy which would be within acceptable tolerances, judged by the ongoing research in the field of interindustry economics and by experienced reviewers. Essential to accomplishing this objective was developing techniques by which to adjust the existing Texas I-O Models without resorting to personal interviews of business establishments. An estimated version of the Model served as a relatively inexpensive and complete reference by which to build a final version which used actual surveys of selected firms, according to a predetermined sampling plan. The steps toward building the final 1979 matrices are discussed in the next sections.

Selecting the Model Year, 1979

Previous models were built upon years in which U.S. Census Bureau economic data were based, 1967 and 1972. The 1977 Economic Censuses were just becoming available at the start of the update project in 1980. One of the key reasons for update was the changing energy sectors and the resulting influence of price inflation since 1972. The year 1977 was considered too distant to fully account these effects for the Texas economy, since surveyors would be collecting accounting information nearly three years old at that time. Thus 1979 was chosen it was decided as the analysis year.

This decision traded the availability of documented 1979 economic census data for the better accuracy of a more recent survey year. The 1977 data are used only for determining the total gross outputs (combined totals of the rows and columns) of each sector. The availability of 1979 output totals was confined to agriculture, mining, transportation, government, and some services sectors. Methods for close estimates of output totals for other sectors were judged acceptable.

The result was that the 1979 Model reflects a much more dependable estimate of I-O transactions and relationships than a 1977 estimate would have been. The normal time lag between model base year and finished publication of a matrix is about five to seven years due to processing complexities and data publication. This Model is considerably more current than previous estimates; improved updating methods should allow faster turnaround in future years.

Survey Methods and Procedures

It is necessary to conduct primary surveys of sector establishments in order to construct an updated matrix which will fully measure structural changes in the State's economy. Full data about the materials, services, taxes and imports necessary to produce the outputs of any sector are not published by the Censuses or in any other publicly available form. An establishment must volunteer its detailed costs of operations, if these data are to be collected for input-output analysis.

Because the project had more limited resources than in previous years, it key sectors were targeted for intensive interview coverage, interview and non-survey data were combined, and specific published data for selected cells were inserted to build the 1979 I-O Transactions Table.

The first step was to decide on the total number of surveys to complete within the resource limits. Within this total, a distribution of sample selections by sector was made. The first phase, beginning in 1980, was conducted for the Model's manufacturing sectors. The second phase, ending in late 1982, was for trades, services, mining, forestry, communications and construction.

The distribution of sampled firms by I-O sector (within manufacturing, then subsequently the second phase sectors) was determined by an allocation formula which was constructed to weight the selection of sectors to those which: (1) exhibited the fastest real growth in output from 1972 to 1977 (the census year), (2) had the largest values of absolute output (the dominant sectors), and (3) contained the largest number of four-digit SIC classifications within the sector (accounting for multi-product sector diversity as a factor). This formulation was designed to focus upon the sectors which likely exhibited the most change in volume and structure of operations since 1972.

After each sector was given a quota for sampling, firms were selected from a master list of all business establishments in Texas, by SIC code (grouped by sector) with an employment of over 20 employees. A random selection was made, and a random list of alternate establishments was made.

The field survey project was managed by The Center for Strategic Technology of Texas A&M University's Engineering Experiment Station. Experienced staff conducted detailed interviews of the selected firms throughout the State. During the survey period, the Department provided interpretation of questions from the field work. Business response was good and survey quotas were generally met. Useable surveys of the key sectors were obtained. Survey data were used for 147 of the 175 processing sectors (Table 1).

Table 1: Input-Output Sectors with Survey Coverage

10	Feedlot Livestock	64	Other Petroleum Products
11	Dairy	65	Tires
15	Agricultural Services	66	Fabricated Rubber Products
16	Primary Forestry	67	Plastic Products
17	Fisheries	68	Leather Products
19	Natural Gas Liquids	69	Glass
20	Oil & Gas Field Services	70	Clay
22	Residential Construction	71	Cut Stone, Clay & Shell Products
23	Commercial & Institutional Construction	72	Cement & Concrete
25	Facility Construction	73	Blast Furnaces
26	Maintenance Repair	74	Primary Steel & Iron
27	Meat Products	75	Foundries
28	Poultry Products	76	Nonferrous Smelting
29	Dairies	77	Alum. Smelting, Rolling & Drawing
30	Other Grain Milling	78	Castings & Forgings
31	Animal Feeds	79	Fabricated Steel
32	Bakery Products	80	Plate Work
33	Canned, Preserved & Packaged Foods	81	Sheet Architectural Metal
34	Other Food Products	82	Metal Doors
35	Beverages	83	Fabricated Metal Products
36	Textile Mills	84	Plumbing
37	Adult & Children's Furnishings	85	Bolts, Nuts & Screws
38	Related Apparel	86	Electroplating, Coating & Engraving
39	Logging	87	Valve & Pipe Fittings
40	Lumber Mills	88	Other Fabricated Metal Products
41	Millwork & Wood	89	Farm, Construction & Industrial Mach.
42	Wood Furniture & Fixtures	90	Materials Handling Mach. & Equip.
43	Metal Furniture & Fixtures	91	Mining Machinery Equipment
44	Paper & Paper Mills	92	Engines
45	Paper, Except Boxes & Containers	93	Metal Working Machinery
46	Boxes & Paper Containers	94	Industrial Processing Machinery
47	Newspapers	95	General Industrial Machinery
48	Publishing	96	Refrigeration Machinery
49	Printing	97	Service Industry Machinery
50	Manifold Business Forms	98	Electrical Instruments & Appliances
51	Other Printing & Publishing	100	Electrical Communications Equipment
52	Chlorines & Alkalies	101	Other Electrical Appliances
53	Cyclic Crudes & Intermediate Pigments	102	Aircraft
54	Organic Chemicals	103	Aircraft Engines
55	Inorganic Chemicals	104	Other Aircraft
56	Fibers & Plastics	105	Motor Vehicles & Parts
57	Synthetic Rubber	106	Ship & Boat Building
58	Drugs	107	Other Transportation Equipment
59	Agricultural Chemicals	108	Scientific Instruments
60	Soaps, Cleansers & Toiletries	109	Mechanical Measuring Devices
61	Paints & Varnishes	110	Medical Instruments
62	Other Chemicals	111	Photo, Timing and Optical Instruments

Table 1 (continued)

112	Games & Toys	145	Other Retail
113	Other Manufacturing Industries	147	Insurance Carriers
115	Intercity Highway Transportation	148	Finance, Insurance & Real Estate
116	Motor Freight & Storage	149	Legal Services
117	Water Transportation	150	Lodging Services
118	Air Transportation	151	Personal Services
119	Pipeline Transportation	152	Advertising
120	Local Suburban Transportation	153	Duplicating & Addressing
121	Other Transportation Services	154	Private Employment Agencies
123	Radio & TV Communications	155	Photo Services
128	Wholesale Auto Parts & Surplus	156	Research & Development
129	Wholesale Groceries & Related Products	157	Business Services
130	Wholesale Farm Products	158	Motion Pictures, Amusement & Recreation
131	Wholesale Livestock	159	Auto Rental Services
132	Wholesale Machinery, Equipment & Supplies	160	Auto Parking
133	Wholesale Petroleum & Petroleum Products	161	Electric Repair Shops
134	General Wholesale	162	Miscellaneous Repair Shops
135	Lumber Yards	163	Physicians & Dentists
136	Farm Equipment Dealers	164	Hospital & Laboratory Services
137	Hardware Dealers	165	Other Medical Services
138	Department & Variety Stores	166	Education (Public and Private)
139	Food Stores	168	Other Education Services
140	Auto Dealers & Repair Shops	169	Engineering & Architectural Services
141	Gas Service Stations	170	Computer & Accounting Services
142	Apparel & Accessory Stores	171	Other Professional Services
143	Furniture Stores	172	Other Services
144	Eating & Drinking Places	180	Local Government

Initial processing, editing and revisions of each survey form were conducted at Texas A&M as part of the contracted work. The survey questionnaires were prepared by the Department and followed the basic format of both the 1967 and 1972 projects. Each firm was asked to detail purchases and other expenditures made during 1979. These lists of materials and services were classified into I-O Model sectors based on the survey description. The preliminary determination of imports of goods and services is made from the surveys. The field data created the primary estimate of each sector's bill of goods for the year 1979.

Other Data Development

The completion of I-O models requires the gathering and use of information published by business and government agencies on the subject economy for the model year. These data and underlying information also include estimates of model structures derived from techniques which account for historical and recent changes in the economy's trading patterns and levels of production. The major elements of non-survey information are discussed in this section.

Output Totals

During the time of surveying, the Department prepared data showing the gross dollar value of output of each I-O Model sector for the calendar year 1979; these are referred to as control totals. This work is the gathering and interpretation of large quantities of published data. In addition, for 1979, estimates based on published 1977 Economic Census data were made.

The control totals are used to complete the I-O transactions matrix account, showing total volumes of sector sales and purchases for each of the processing sectors. They are the data used along with the survey data to make estimates of interindustry trading for the entire statewide operations of a sector. The control totals also are essential in the non-survey estimates of an I-O Model. In the procedure, their relative size from base year to study year determines most of the magnitude of individual cell changes.

For the agriculture sectors, the 1979 controls represent a departure from previous years' definitions. The gross value of farm and livestock production for the year 1978, 1979, and 1980 were averaged to calculate each sector's total output used in the Model. This procedure was done to avoid the problem of wide variations in magnitudes of outputs from 1978 to 1980 caused by weather or market conditions (Table 2). Thus the 1979 value of outputs for farm sectors in the Model will not be identical to other published 1979 Texas farm statistics. Likewise, the input transactions for these sectors will not be identical to actual values for the year. However, the Model depicts a more realistic interaction between agriculture and the rest of the economy than would result from using the single year as a base. The three year averaging method avoids the problem of using an abnormal single year to model, for present and future use, the State's agricultural economy. Compared with the single year approach, the result is a more dependable and appropriate estimate of the relationships used in computing multiplier effects and other useful Model data.

Table 2. Gross Values of Output for the Input-Output Model Agricultural Sectors, 1978-1980

Sector	Total Gross Value of Output			
	1978	1979	1980	Three-Year Average
	(millions of dollars)			
1. Irrigated Cotton	658.682	619.037	862.245	713.321
2. Irrigated Food Grains	339.192	432.150	482.439	417.927
3. Irrigated Feed Grains	473.058	525.308	526.761	508.376
4. Other Irrigated Crops	609.107	659.117	731.315	666.513
5. Dryland Cotton	672.240	1232.289	542.487	815.672
6. Dryland Food Grains	123.208	386.478	360.023	289.903
7. Dryland Feed Grains	490.930	586.991	518.657	532.193
8. Dryland Crops	404.720	486.070	486.141	458.977
9. Range Livestock	1540.374	2176.647	1482.397	1733.139
10. Feedlots	2361.099	3079.005	2818.189	2752.764
11. Dairy	450.147	535.553	633.106	539.602
12. Poultry and Eggs	418.160	453.907	483.656	451.908

The manufacturing control totals are based on the 1979 Census of Manufactures data and the Annual Survey of Manufactures from 1967 to 1978. They are estimated outputs from regression equations developed for each major manufacturing classification that projected their output totals to 1979. Detailed sector disaggregations were made using the 1977 published data.

Many sectors were completed using published 1979 data. Moreover, detailed employment, income and expenditure data were available for sectors except for most manufacturing, construction, and some transportation and trade sectors.

Background reports and detail data for the control total calculations are available from the Department. Bibliographic references in this report provide source documents for most of those data.

Special Studies

The update project included several special studies concerned with the input structures for groups of sectors or with geographic regions of the State. These contracts and Texas A&M subcontracts focused specifically on areas where data collection was especially difficult or where special user interest was shown.

Part of the survey project was contracted with the University of Texas at El Paso's (UTEP) Bureau of Business and Economic Research. Firms selected in the far West Texas area were interviewed by UTEP staff in order to avoid high travel costs incurred because of long distances from the College Station offices. These surveys covered sectors in which response was low in the rest of the State and other industries located in the El Paso area.

Surveys and data collected in the Texas High Plains area, under a separate project which produced An Input-Output Model of the Texas High Plains Economy in 1977, were used. That project was conducted by the Department and Texas Tech University's Department of Agricultural Economics.

A special study of the forest and forest product sectors (sectors 16, 39 through 42, and 44 through 46) was conducted by Texas A&M University's Forest Science Department, with the cooperation of the Texas Forestry Association and the Texas Forest Service. These detailed surveys, common project formats, were conducted at a much more intensive coverage than surveys for the rest of the sectors, due to the particular interest of the industry and the Forest Science Department at Texas A&M in developing information on the role of forestry-related industries in the Texas economy. All these surveys were used directly in the final model, with minor adjustments necessary to create the final Transactions Table.

The agriculture sectors (1 through 12) were developed under a special contract to analyze and report the data available in the annual crop budgets provided by the Texas Agricultural Extension Service of Texas A&M University. These data were processed through several stages of disaggregation and allocation to I-O Model sectors. Finally, Department staff made adjustments so that the agricultural sectors' input structures closely corresponded, in total, to published statistics about farm and ranch operations in Texas for 1979. Survey data for sector 10, Feedlots, were available. The agriculture sectors

can be estimated entirely with non-survey data on a regular basis due to the availability of much data that are published regularly.

The project at Texas A&M included development of input data for the financial sectors (146 and 148) by the Finance Department. These data were completed in the form of a State total balance sheet, showing major expenditures by banks and other financial agencies. The data were used as a basis to adjust the transactions of these sectors before the final draft table was complete.

For the transportation sectors, rail and motor freight (114 and 116), detailed industry data from public regulatory agency reports were compiled into expenditures format by which I-O sector allocations could be made. The Texas Transportation Institute provided these estimates.

Estimating the Preliminary Model

An important component of the approach to combine survey and non-survey transactions estimates is the development of a preliminary model which does not include the results of the surveys. Before the survey project was completed the Department developed an estimation technique which uses three sets of data: (1) the 1972 I-O Model Transactions Table, (2) a vector of 1979 price indexes by sector, with 1972 dollars as a base, and (3) the 1979 control totals for each sector.

The first step in the process is to adjust the 1972 transactions for the inflationary impacts experienced between 1972 and 1979. Each 1972 column cell was multiplied by a respective price index for its designated row. The Model is then said to be "price-adjusted". This step accounts for relative changes among sectors in inflationary magnitude.

The model at this stage is unbalanced, that is column totals do not equal row totals. The next adjustment is then to force the rows and columns to approach balance (to a degree determined by the analyst) by matching row sums and column sums with the respective control totals. An iterative procedure is started which raises or lowers each cell entry by its proportion to the first-stage row sums and then successively begins raising or lowering each column entry to force the totals toward the designated target, a percentage that is plus or minus of control total. The target is a tolerance of a predetermined percentage amount over or under the control total. This tolerance (10 percent) was derived from tests which replicated the 1972 Model from the 1967 version as close as possible.

This table is then near balance. The final step is to create perfect balance of the processing sectors and households (row totals equal column totals in Sectors 1 through 176). This is accomplished by adjustments up or down, as necessary, of entries in the exports column and in the imports row. This procedure, accounts for major changes in the trade flows of the State's economy. Thus, sectors which had significant increases in exports would likely show preliminary outputs below the control total (underestimates), the differences are added to exports creating a change in the 1972 and 1979 portion of output exported. Likewise, imports amounts either increase or decrease depending upon the result of preliminary balancing of row and column totals.

The procedure described above produces a complete estimated I-O model for the projected year.* Satisfactory tests for accuracy have not been devised, but the re-creation of the 1972 Texas I-O Model from the 1967 version was generally acceptable, using the method, when key cells and final demand and final payments cells and rows totals (government revenues, export totals, etc.) were compared with independent statistics.

The reason for estimating a preliminary model is to have on hand a complete data base by which to adjust and add missing data to the table produced from survey results and special studies. Preliminary data were also used to allocate aggregated data from surveys which did not present sufficient sector detail.

The National Model

A version of the 1979 U.S. Input-Output Model, estimated by Chase Econometrics, Inc., was used to fill data gaps in the preliminary and survey based tables. In addition, detailed allocating data for processing the reported gross purchases from trades and miscellaneous sectors were used.

The Chase model was specially sectorized to conform to Texas' organization and was converted to an industry-by-industry table. These data allow further checks to be made on draft versions of the final table which underwent edit for eliminating significant errors in transactions values.

Processing Surveys

All surveys within a single sector were processed together, adding transactions according to the data from the survey edits. Thus, single establishment data cannot be disclosed by the Model's transactions table. When all establishments belonging to an assigned sector are combined, a bill of goods necessary for the sector's output is created. These data serve as the survey inputs into the combined survey/non-survey table. The input structure includes survey estimates of raw materials, services, taxes and imports needed by the sector. In final adjustment, these values are altered by the combining, balancing and manual edit of the table.

Combining the Surveys and Non-Survey Estimates

A weighting procedure was used when combining the survey and preliminary 1979 model transactions. The weight given to survey data was determined by the SIC coverage of the sector; that is, for sectors which had multiple four-digit SIC groups, the number of unique SIC codes surveyed and their coverage in terms of surveyed proportion of total employment of the sector as a whole resulted in weight assignments. As an example: Sector 91, Mining Machinery and Equipment, is composed of two four-digit SIC's, 3532 and 3533. Only 3533 was surveyed, thus the survey data's weight when combined with non-survey estimates for the

* The technique for preliminary balancing follows the iterative techniques presented in McMenamin, David G. and Joseph E. Haring, "An Appraisal of Non-Survey Techniques for Estimating Regional Input-Output Model," Journal of Regional Science, 14 (1974).

sector was the proportion that the 3533 employment is of the entire sector 91 employment. A sector containing only one four-digit SIC classification is combined with non-surveyed data with a 75 percent weight to the survey data.

No sector, except for the forestry-related specially studied sectors, contains totally survey-based data. The 75 percent limit was decided upon because the imports estimates from survey data were generally not complete. This limitation is addressed by using the preliminary estimates as a matter of procedure. The resulting import cells were individually checked for reasonableness when known trade volumes were compared with estimated import portions, the result of an analytical technique, known as location quotients (LQ) which produces data about expected level of imports, given the output of all Texas sectors and rational trading conditions (e.g., Texas imports no refined petroleum but about 77 percent of finished engines—Sector 92, according to the LQ estimates).

Sectors with no surveys are estimated by the preliminary estimating procedure, with the adjustments necessary to create a final balanced table and in some cases editing according to published statistics for particular cells. Survey coverage was considered good under the update approach. The current nature of the information improves the quality of each survey. All errors associated with sampling, editing and estimating are present, but their size is indeterminant. Independent data checks, however, offer the best test of accuracy. Several draft versions of the 1979 table reflect changes made in cells due to such checks.

Manual Edit

Before final balancing, an edit of the Transactions Table was conducted. Data are available which allow direct insertion of transactions values into cells of the Model, the adjustment of groups of cells or even entire row and column adjustments. Examples of these types of data include statistics on sectors' purchases of electricity, household payments such as medical care, transportation and taxes paid to the Federal government. Within the limits of the Model's accounting and conceptual definitions these data appear in their respective locations. These direct adjustments to the table are not extensive since the changes are typically made on cells which generally contain large transactions values or which can be estimated with readily available data.

RESULTS AND USEFUL INFORMATION FROM THE 1979 MODEL

The 1979 Texas Input-Output Model is substantially different from the 1972 version in terms of transactions and interindustry relationships. The State's economy underwent measurable structural change in trade flows, technology, and value of industrial output. The update contains more than 7,000 cells which show new transactions in 1979 where none were present in 1972, indicating that the survey data indeed measured changing basic input structures. However, the inflationary influence since 1972 makes direct comparisons of the two tables difficult, since the volume of physical production or real output (gross value when deflated to 1972 dollars), in some cases, is not significantly higher, yet the I-O relationship shows major increase in dollar value. This result is unavoidable since the convention of the Model is to present data in current prices, and dollar values are the common denominator of trade measurement. The inflationary surge also makes direct comparisons of 1972 multiplier tables (discussed below) suspect. This is especially true for income and employment values since significant price changes altered the gross personal income per dollar of output data and the uninflated employment productivity data. Analysts are advised to avoid using the I-O Models in time-series analysis unless the 1979 version is converted to 1972 dollar values. Inflationary adjustments between 1967 and 1972 are not so significant, however.

A summarized version of the 1979 Input-Output Model of the Texas economy is presented in three following tables: 1) Transactions; 2) Direct Requirements, and 3) Direct, Indirect and Induced Requirements (the interdependency table). Summarized multiplier data are also shown. The complete tables are included in the appendices.

Transactions Table

As mentioned earlier, the Transaction Table presents the sales and purchases transactions among the sectors of the economy. The Texas in-state and exports markets of each sector are displayed along the rows and sources of in-state supplied and imported inputs are shown in the columns (Table 3). In the special condensed model, the processing sectors are rows 1 through 12, the Final Demand sectors are the columns following sector 12. All inputs and outputs are expressed in millions of annual dollars f.o.b. the shipping point in 1979.

The outputs of each processing sector sold to the Texas economy and to out-of-state purchasers (exports) are tabulated along the rows of the table. For example, the Mining sector produced total outputs of \$31.594 billion (row 2, Total Sales column) of which \$9.591 billion were sales to Texas manufacturers (row 2, column 4), \$4.440 billion (row 2, column 7) were sales to the utilities sector and \$11.854 billion (row 2, export column) were sales to markets outside the State.

The expenses of the Mining sector have been classified and tabulated according to the sectors from which the production inputs were obtained, (column 2, Table 2) read down the column. This sector had purchases from all but one of the other sectors of the Texas economy and also imported an estimated \$4.0 billion of inputs from out-of-state sources (row 19, column 2). Mining used \$4.634 billion of their own outputs as inputs within their respective processes

TABLE 3. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 1 *	* SECTOR 2 *	* SECTOR 3 *	* SECTOR 4 *	* SECTOR 5 *	* SECTOR 6 *	* SECTOR 7 *	* SECTOR 8 *
1 AGR., FOR., FSH. ^{1/}	2232.270	.000	122.992	4169.361	.000	.000	.000	29.688
2 MINING	.289	4634.197	832.212	9530.641	9.655	.000	4439.502	219.619
3 CONSTRUCTION	102.201	98.147	121.259	1607.017	84.739	2.787	58.158	251.697
4 MANUFACTURING	1385.694	939.301	6808.596	24772.115	1326.468	157.519	472.785	1190.509
5 TRANSPORTATION	124.800	319.238	419.306	3656.933	475.739	17.524	60.853	757.235
6 COMMUNICATIONS	8.246	47.403	96.077	334.407	148.191	26.363	31.487	394.219
7 UTILITIES	264.651	228.675	90.326	4111.717	184.788	48.034	2021.811	917.044
8 WHOLESALE TRADE	429.745	291.999	915.950	4251.114	315.556	8.973	129.198	575.815
9 RETAIL TRADE	436.318	106.367	312.709	1065.045	89.491	3.417	56.412	439.922
10 F.I.R.E. ^{2/}	443.512	852.458	1529.565	2353.961	901.653	155.748	460.122	2131.023
11 EDUCATION	101.182	1408.807	115.772	713.871	89.553	176.953	600.646	283.683
12 SERVICES	55.919	725.061	2405.358	2002.269	338.014	61.548	308.249	1016.123
13 HOUSEHOLDS	2521.659	8711.614	8629.636	17959.989	3966.455	906.612	1941.990	9835.570
14 PROPERTY PAYMENTS ^{3/}	196.302	4999.231	339.479	7624.708	662.555	188.863	850.947	3320.932
15 FEDERAL GOVERNMENT	169.177	1748.394	517.406	4270.754	511.969	475.605	519.886	1671.760
16 STATE GOVERNMENT	23.634	993.689	52.806	392.661	44.815	48.454	141.857	142.386
17 LOCAL GOVERNMENT	169.310	94.009	39.868	360.111	50.008	62.706	175.812	183.252
18 DEPRECIATION	878.030	1392.716	374.044	3115.699	340.440	203.046	501.325	639.832
19 IMPORTS	1616.463	4002.396	8296.422	40106.708	1831.052	446.278	3044.108	3301.383
TOTAL VALUE ADDED	3958.112	17939.653	9953.239	33723.922	5576.242	1885.286	4131.817	15793.732
TOTAL PURCHASES	11159.402	31593.702	32019.783	132399.081	11371.141	2990.430	15815.148	27301.692

^{1/} Agriculture, Forestry and Fisheries

^{2/} Finance, Insurance, and Real Estate

^{3/} Retained earnings

TABLE 3. TRANSACTIONS (TEXAS, 1979)—Continued
(MILLION DOLLARS)

	* SECTOR 9 *	* SECTOR 10 *	* SECTOR 11 *	* SECTOR 12 *	* HOUSEHOLDS *	* FED GOV-DEF ^{4/}	FED GOV-NON ^{5/} /STATE	60VT *
1 AGR., FOR., FSH.	273.384	.000	.000	.809	453.383	.000	268.331	3.188
2 MINING	1.662	10.088	.000	.111	98.139	.118	.015	13.336
3 CONSTRUCTION	44.866	536.498	19.366	217.669	441.760	109.101	22.097	9.831
4 MANUFACTURING	1387.385	324.689	707.619	2260.153	15282.802	2646.482	828.911	217.403
5 TRANSPORTATION	89.915	47.761	31.096	369.140	2709.671	137.540	27.855	9.506
6 COMMUNICATIONS	222.457	399.201	53.608	411.231	617.210	9.568	9.906	3.883
7 UTILITIES	403.470	532.315	269.427	728.848	2990.985	151.314	104.435	21.552
8 WHOLESALE TRADE	1015.884	188.054	86.612	1003.655	8704.529	191.512	20.504	10.689
9 RETAIL TRADE	743.745	45.391	25.537	299.644	15022.265	.000	4.495	6.317
10 F.I.R.E.	1480.711	4737.231	345.772	2213.294	8785.435	6.524	.302	121.824
11 EDUCATION	125.100	452.080	4.404	186.487	2952.994	.000	565.354	.000
12 SERVICES	667.450	1504.324	211.600	1858.506	13700.831	642.334	499.775	34.148
13 HOUSEHOLDS	5918.315	11130.047	4787.812	12332.680	6655.546	3328.794	9571.663	1946.158
14 PROPERTY PAYMENTS	1014.552	3716.364	2.295	1358.842	673.640	.000	.000	.000
15 FEDERAL GOVERNMENT	561.988	1167.051	156.149	746.972	17221.841	92.732	97.120	28.855
16 STATE GOVERNMENT	43.450	187.897	5.004	46.364	1021.408	.000	1735.935	.000
17 LOCAL GOVERNMENT	65.342	262.058	4.020	105.891	396.004	.000	314.154	.000
18 DEPRECIATION	256.832	431.492	41.975	699.364	.000	.000	.000	.000
19 IMPORTS	5253.046	4444.418	1056.366	4359.555	24513.561	2125.663	2234.333	569.768
TOTAL VALUE ADDED	7860.479	16894.909	4997.255	15290.113	25968.439	3421.526	11718.872	1975.013
TOTAL PURCHASES	19569.554	30116.959	7808.662	29199.215	122242.004	9441.682	16305.185	2996.458

^{4/} Federal Government, Defense

^{5/} Federal Government, Non-defense

TABLE 3. TRANSACTIONS (TEXAS, 1979)—Continued
(MILLION DOLLARS)

	* LOCAL GOVT *	CAP FORM ^{6/} *	EXPORTS	*FINAL DEMAND*	TOTAL SALES*
1 AGR., FOR., FSH.	.082	.000	3605.912	4330.896	11159.400
2 MINING	.038	.000	11804.080	11915.726	31593.702
3 CONSTRUCTION	9.195	28283.396	.000	28875.380	32019.784
4 MANUFACTURING	162.901	4922.664	66605.083	90666.246	132399.079
5 TRANSPORTATION	11.529	120.766	1984.734	5001.601	11371.141
6 COMMUNICATIONS	9.858	49.362	117.753	817.540	2990.430
7 UTILITIES	24.739	.000	2721.016	6014.041	15815.147
8 WHOLESALE TRADE	36.350	3353.605	5771.956	18089.145	27301.700
9 RETAIL TRADE	11.349	117.093	784.025	15945.544	19569.542
10 F.I.R.E.	298.676	.426	3298.719	12511.906	30116.956
11 EDUCATION	4.243	.000	27.531	3550.122	7808.660
12 SERVICES	137.212	44.429	2986.081	18044.810	29199.231
13 HOUSEHOLDS	1194.216	.000	10903.249	33599.626	122242.005
14 PROPERTY PAYMENTS	.000	.000	.000	673.640	24948.710
15 FEDERAL GOVERNMENT	38.977	.000	.000	17479.525	29996.636
16 STATE GOVERNMENT	.000	.000	.000	2757.343	4880.360
17 LOCAL GOVERNMENT	.000	.000	.000	710.158	2282.545
18 DEPRECIATION	.000	.000	.000	.000	8874.795
19 IMPORTS	389.299	1336.075	.000	31168.699	108926.894
TOTAL VALUE ADDED	1233.193	.000	10903.249	55220.292	193225.051
TOTAL PURCHASES	2328.664	38227.816	110610.139	302151.948	653496.717

^{6/} Capital Formation, value of buildings or equipment put-in-place for 1979

(row 2, column 2) and paid \$8.172 billion to households (row 13, column 2). Households include all sources of personal income, including royalties.

Payments to general government (rows, 15, 16 and 17) are the values of taxes, fees and other revenues except that portion of taxes which was allocated to Education (row 11).

Total value added is the net worth of production from the sector, similar to the concept of gross national product or gross product originating. It is the sum of the factors of production (household payments, taxes, retained earnings and depreciation), the costs of raw materials and required services are not included in the calculation.

The results for 1979 show the influence of inflation, especially in the energy sectors, since 1972. The overall rate was indexed at 1.628, on a 1972 equals 1.000 basis using the Gross National Product deflator for all sectors. However, several sectors had indexes well above the average rate.

The total accounts of 1979 trading are shown in the Transactions Table. Individual sectors' sales and purchases can be read directly for estimates using 1979 dollars. These data are useful for industry studies of gross output or contribution to total state gross product, for example. This table can also be used in studies requiring sales or purchases data for industries or governments.

Direct Requirements Table

The Direct Requirements Table (Table 4) is calculated from the Transactions Table by dividing each cell of each column by the column total. The results are tabulated for easy reference in the same matrix organization as that of the Transactions Table, but only the columns of this table are meaningful. A column of the direct requirements table shows the sector of origin of inputs per dollar's worth of total input for a given sector. For example, the Agricultural, Forestry and Fisheries Sector buys \$0.1242 of inputs from manufacturing per dollar of total inputs (column 1, row 4) and pays (\$0.2260 of every dollar of expense to the household sector for wages, operator income, and the use of natural resources such as land, water, and timber (row 13, column 1).

The portion of total expenses of each sector that are paid to the households of Texas for labor and management are shown along the household row (row 13). Likewise, proportions of total expenses paid by the column sector at the top to all other sectors can be read along the rows.

The data of the Direct Requirements Table convert the transactions among sectors to a common basis (proportions that sum to 1.00) in order to solve the I-O system of equations (see Appendix A). The multiple equations are solved by computer for the purpose of calculating interdependence among the sectors. The results are used to calculate multipliers which are useful in economic impact analyses of changes in markets or resource supplies. The direct requirements data can also be used alone to portray the detailed direct expenditures of businesses, a so-called "direct effect" estimate.

TABLE 4. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 1 *	* SECTOR 2 *	* SECTOR 3 *	* SECTOR 4 *	* SECTOR 5 *	* SECTOR 6 *	* SECTOR 7 *	* SECTOR 8 *
1 AGR., FOR., FSH.	.20003491	0.	.00384113	.03149086	0.	0.	0.	.00108741
2 MINING	.00002590	.14668104	.02599056	.07198419	.00084908	0.	.28071201	.00804415
3 CONSTRUCTION	.00915829	.00310654	.00378700	.01213767	.00745211	.00093197	.00367736	.00921910
4 MANUFACTURING	.12417278	.02973064	.21263717	.18710187	.11665215	.05267436	.02989444	.04360569
5 TRANSPORTATION	.01118339	.01010448	.01309522	.02762053	.04183740	.00586003	.00384777	.02773583
6 COMMUNICATIONS	.00073893	.00150039	.00300055	.00252575	.01303220	.00881579	.00199094	.01443936
7 UTILITIES	.02371552	.00723799	.00282094	.03105548	.01625061	.01606257	.12784016	.03358927
8 WHOLESALE TRADE	.03850968	.00924232	.02860575	.03210833	.02775060	.00300057	.00816926	.02109082
9 RETAIL TRADE	.03909869	.00336672	.00976612	.00804420	.00787001	.00114265	.00356696	.01611336
10 F.I.R.E.	.03974335	.02698190	.04776937	.01777929	.07929310	.05208214	.02909375	.07805461
11 EDUCATION	.00906697	.04459139	.00361564	.00539181	.00787546	.05917310	.03797916	.01039067
12 SERVICES	.00501093	.02294954	.07512100	.01512298	.02972560	.02058166	.01949074	.03721832
13 HOUSEHOLDS	.22596722	.27573894	.26950951	.13565041	.34881768	.30317112	.12279303	.36025496
14 PROPERTY PAYMENTS	.01759073	.15823505	.01060216	.05758883	.05826636	.06315580	.05380582	.12163832
15 FEDERAL GOVERNMENT	.01516004	.05533995	.01615895	.03225667	.04502354	.15904235	.03287266	.06123283
16 STATE GOVERNMENT	.00211786	.03145212	.00164917	.00296574	.00394112	.01620302	.00896969	.00521528
17 LOCAL GOVERNMENT	.01517196	.00297556	.00124511	.00271989	.00439780	.02096889	.01111668	.00671211
18 DEPRECIATION	.07868074	.04408208	.01168165	.02353263	.02993895	.06789860	.03169904	.02343562
19 IMPORTS	.14485212	.12668335	.25910301	.30292286	.16102623	.14923539	.19248053	.12092229
TOTAL DIRECT REQ	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

TABLE 4. DIRECT REQUIREMENTS—Continued
(TEXAS, 1979)

	* SECTOR 9 *	SECTOR 10 *	SECTOR 11 *	SECTOR 12 *	HOUSEHOLDS *	FED 60V-DEF*	FED 60V-NON*	STATE GOVT *
1 AGR., FOR., FSH.	.01396986	0.	0.	.00002771	.00370890	0.	.01645679	.00106392
2 MINING	.00008493	.00033496	0.	.00000380	.00080283	.00001250	.00000092	.00445059
3 CONSTRUCTION	.00229264	.01781382	.00248007	.00745462	.00361382	.01155525	.00135521	.00328087
4 MANUFACTURING	.07089508	.01078094	.09061975	.07740458	.12502087	.28029773	.05083726	.07255333
5 TRANSPORTATION	.00459464	.00158585	.00398224	.01264212	.02216645	.01456732	.00170835	.00317241
6 COMMUNICATIONS	.01136750	.01325502	.00686520	.01408363	.00504908	.00101338	.00060754	.00129586
7 UTILITIES	.02061723	.01767493	.03450361	.02496122	.02446774	.01602617	.00640502	.00719249
8 WHOLESALE TRADE	.05191145	.00624412	.01109178	.03437267	.07120735	.02028367	.00125751	.00356721
9 RETAIL TRADE	.03800521	.00150716	.00327034	.01026206	.12288955	0.	.00027568	.00210816
10 F.I.R.E.	.07566401	.15729447	.04428057	.07579978	.07186920	.00069098	.00001852	.04065600
11 EDUCATION	.00639258	.01501081	.00056399	.00638671	.02415695	0.	.03467326	0.
12 SERVICES	.03410655	.04994940	.02709811	.06364918	.11207957	.06803173	.03065129	.01139612
13 HOUSEHOLDS	.30242462	.36956078	.61314115	.42236341	.05444566	.35256366	.58703186	.64948616
14 PROPERTY PAYMENTS	.05184339	.12339772	.00029390	.04653694	.00551071	0.	0.	0.
15 FEDERAL GOVERNMENT	.02871747	.03875063	.01999690	.02558192	.14088317	.00982156	.00595639	.00962970
16 STATE GOVERNMENT	.00222029	.00623891	.00064083	.00158785	.00835562	0.	.10646521	0.
17 LOCAL GOVERNMENT	.00333896	.00870134	.00051481	.00362650	.00323951	0.	.01926712	0.
18 DEPRECIATION	.01312406	.01432721	.00537544	.02395147	0.	0.	0.	0.
19 IMPORTS	.26842952	.14757194	.13528131	.14930384	.20053304	.22513605	.13703205	.19014717
TOTAL DIRECT REQ	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

TABLE 4. DIRECT REQUIREMENTS—Continued
(TEXAS, 1979)

	* LOCAL GOVT *	CAP FORM *	EXPORTS *
1 AGR., FOR., FSH.	.00003521	0.	.03260019
2 MINING	.00001632	0.	.10671788
3 CONSTRUCTION	.00394862	.73986429	0.
4 MANUFACTURING	.06995470	.12877178	.60216074
5 TRANSPORTATION	.00495091	.00315911	.01794351
6 COMMUNICATIONS	.00423333	.00129126	.00106458
7 UTILITIES	.01062369	0.	.02460006
8 WHOLESALE TRADE	.01560981	.08772683	.05218288
9 RETAIL TRADE	.00487361	.00306303	.00708818
10 F.I.R.E.	.12826067	.00001114	.02982294
11 EDUCATION	.00182207	0.	.00024890
12 SERVICES	.05892306	.00116222	.02699645
13 HOUSEHOLDS	.51283311	0.	.09857369
14 PROPERTY PAYMENTS	0.	0.	0.
15 FEDERAL GOVERNMENT	.01673792	0.	0.
16 STATE GOVERNMENT	0.	0.	0.
17 LOCAL GOVERNMENT	0.	0.	0.
18 DEPRECIATION	0.	0.	0.
19 IMPORTS	.16717697	.03495034	0.
TOTAL DIRECT REQ	1.00000000	1.00000000	1.00000000

Direct, Indirect and Induced Requirements Table

A solution to the system of Input-Output equations gives the interdependence coefficients or the direct, indirect, and induced production requirements (Table 5). Due to the direct effect (the amounts that a given sector must purchase from other sectors in order to produce one dollar's worth of output) of additional (or less) output being produced by a given sector, other processing sectors must supply additional (less) inputs which, in turn, requires an expansion (reduction) in their output. Therefore, they must purchase more (less) of the output of all other sectors, and so on. This indirect change as a result of a change in final demand for a given sector's output or as a result of a shortage of an essential resource is termed the indirect effect. Expansions (contractions) in output by processing sectors increase (decrease) payments to local households (wages, salaries and other payments), and these in turn generate more (less) demand for processed goods and services. The induced effect is the effect of the local household consumption expenditures on all sectors' outputs.

The totals of the columns of this table show the total requirements of the economy for each respective sector to produce one dollar's worth of product ready for final consumers or ready for export from Texas. For example, the economywide impact of the production of one dollar of manufactured goods f.o.b. the shipper is estimated at \$2.61 (sum of column 4, Table 5), or to express it another way, the direct, indirect, and induced requirements to produce and deliver to final consumers within the Texas economy or to export one dollar of manufactured goods f.o.b. the shipper is a total of \$2.61 (the direct effect of \$1.00 is included). The way in which this economywide effect of an additional dollar of consumer-ready or exportable manufactured goods is distributed among the sectors is as follows: The manufacturing sector must actually produce \$1.36 of gross outputs (column 4, row 4), the retail trade sector must produce \$0.08 of outputs (column 4, row 4), the service sector must produce \$0.10 of outputs (column 4, row 12), and the household sector must produce \$0.46 of outputs (column 4, row 13).

Each of the remaining cells and columns of the Direct, Indirect, and Induced Requirements Table is interpreted in a manner analogous to the discussion for manufacturing. Thus, when the analyst anticipates or measures a change in market demand for the products or services of individual sectors, or when an individual sector, such as the mining sector, changes resource or raw materials use (which affects its level of production) he or she can estimate the economywide and the individual sector impacts. Such estimates are useful in the evaluation of investments to enhance or replace declining supplies of natural resources and to guide policymakers in the selection of programs to offset or alleviate unfavorable trends or to enhance desirable trends. New industries might be recruited for the purpose of employing labor and other resources that would be released by declining markets for established industries. Among other uses, the interdependency coefficients are helpful in selecting industries that can be expected to fit into regional economies, use local resources, take advantage of local markets for which products are now being imported, or that would further process goods that are being exported in partially finished form.

TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 1 *	* SECTOR 2 *	* SECTOR 3 *	* SECTOR 4 *	* SECTOR 5 *	* SECTOR 6 *	* SECTOR 7 *	* SECTOR 8 *
1 AGR., FOR., FSH.	1.26968012	.01207936	.02676242	.05727805	.01840029	.01272555	.01132555	.01628193
2 MINING	.05988000	1.20611377	.08754253	.14235213	.05434432	.03883091	.40774445	.06034658
3 CONSTRUCTION	.02472659	.01338725	1.01843682	.02382881	.02177039	.01118663	.01460172	.02226318
4 MANUFACTURING	.35102304	.18855290	.42630508	1.35999547	.32275898	.20844595	.18499664	.23169398
5 TRANSPORTATION	.04773826	.03814118	.04987069	.05752565	1.07816126	.03208757	.03177651	.06072448
6 COMMUNICATIONS	.01385074	.01244044	.01661063	.01247088	.02742213	1.01960421	.01272687	.02840375
7 UTILITIES	.08374955	.05013442	.05704632	.07742723	.07152660	.05951346	1.18683794	.08778722
8 WHOLESALE TRADE	.12553155	.07659433	.10995327	.09360940	.11139925	.06828904	.07081801	1.10169082
9 RETAIL TRADE	.14273772	.09019955	.10544822	.07728602	.11253947	.08612001	.07961236	.11984109
10 F.I.R.E.	.17168109	.13420953	.17419683	.11203213	.21665017	.15705797	.13754320	.21261890
11 EDUCATION	.04185437	.07729659	.03546566	.03341015	.04145538	.08522317	.08246762	.04414244
12 SERVICES	.11804091	.12710150	.19240209	.10028457	.15553214	.12062575	.11973238	.16153604
13 HOUSEHOLDS	.65166949	.62742748	.66713928	.46300471	.74803954	.61802794	.53540358	.74593468
TOTAL DIR/IND/IND REQ	3.10216344	2.65367830	2.96717985	2.61050520	2.97999994	2.51773817	2.87558683	2.89326509

TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS—Continued
(TEXAS, 1979)

	* SECTOR 9 *	* SECTOR 10 *	* SECTOR 11 *	* SECTOR 12 *	* HOUSEHOLDS *
1 AGR., FOR., FSH.	.03304900	.01335494	.02110091	.01814484	.02268477
2 MINING	.04732795	.04240286	.06544197	.05593089	.05466770
3 CONSTRUCTION	.01514316	.03178674	.01827072	.02240706	.01728276
4 MANUFACTURING	.25062200	.19366112	.34047236	.29502111	.30485931
5 TRANSPORTATION	.03595566	.03270424	.04722007	.05064212	.05322592
6 COMMUNICATIONS	.02479526	.02800727	.02333352	.02989169	.01982354
7 UTILITIES	.07189744	.06990527	.10306440	.08573111	.07759603
8 WHOLESALE TRADE	.12822525	.08686402	.11948088	.12701072	.14250361
9 RETAIL TRADE	1.13414664	.10739577	.14707753	.12893118	.20004444
10 F.I.R.E.	.20315294	1.30408278	.20656188	.22656550	.19941017
11 EDUCATION	.03718440	.04873426	1.04315203	.04364268	.05202831
12 SERVICES	.14879174	.18063913	.18996106	1.20532814	.21491146
13 HOUSEHOLDS	.67409401	.77194521	1.05104043	.85363577	1.48962153
TOTAL DIR/IND/IND REQ	2.80438544	2.91148361	3.37617774	3.14288282	2.84865954

Multiplier Tables

The most widely used information from the I-O Model is the series of multipliers derived from the structural relationships of the tables. A sector multiplier can be defined as a coefficient indicating the total effect of a change in the entire economy that is associated with a unit change in the particular sector, all other sectors remaining constant. Multipliers are simply ratios; the Direct, Indirect and Induced Table, or interdependency table, is used to estimate the value of the numerator of the multiplier ratio, whether it be valued in terms of dollars of output, personal income, employment units (man-years of labor, or jobs), or other possible units of economic measure (such as water use per dollar of output or pollution loads per dollar). The interdependency table is based on the solution of the system of equations where all processing sectors' sales to other industry plus the sectors' sales to final demand equal total output.

The denominator of the multiplier ratio is simply the direct change being analyzed. Whenever the magnitude of the denominator decreases in relation to the other sectors' values, a given sector's multiplier will increase accordingly. Thus, in the 1979 Model there are substantial changes in multipliers for employment and income when compared with the previous models. The direct changes in employment and income per dollar of output (1979 current dollars) were very much smaller than those in 1972 or 1967 due to the rapid increase in value of output for particular sectors. Users of these multipliers should be cautioned that comparisons with the previous models, without adjusting for this inflationary component of the multipliers' sizes will be erroneous. Likewise, for the resource multipliers, employment and personal income, it is best to determine the direct changes in jobs or income in relation to the dollar value of output, using 1979 relationships and not those of previous versions of the Texas I-O Model.

Type 1 and Type 2 Multipliers

When the processing sectors alone are modeled, the multipliers do not account for the effects of household spending upon the economy. The payments of wages and salaries are thus considered outside the system. These Type 1 multipliers indicate levels of industrial interdependence among sectors not including final demand.

Type 2 multipliers show the full effect of unit changes on the State's economy. The spending of additional personal income creates additional final demand, resulting in further production from the processing sectors above that of their initial, direct output. The Type 2 ratios are generally much higher than the Type 1 because personal consumption expenditures exert large influences upon total final demand. The Type 2 ratios assume that the increased consumer expenditures occur in the year of the Model.

Output and Final Demand Multipliers

The final demand multipliers show the economywide result of a dollar of sales to final demand for each sector. They are, in fact, the column sums of

the interdependency table. Output multipliers show the effects of a dollar of output by a sector. They are always lower than final demand because the intra-sector trading (an establishment sector selling or buying from another firm in the sector) is not included. The output versions should be used for analysis whenever there is a change in sector output which is not directly associated with measurable final demand increases. Thus, a new plant location's impact would be measured by the output multiplier versions and increased export demand (a known value) requires use of final demand versions.

Multiplier analysis is simply the multiplying of direct changes by the coefficient shown in the multiplier tables (Tables 6 and 7; and Appendix Table 6). Determining the proper interpretation of the direct change requires careful attention, especially when incomplete output data, are given. The proper sector to use, proper transformation of data and correct interpretation of the direct component can significantly influence the results of I-O analyses.

Income Multipliers

Personal income (wages, salaries, rents, dividends, etc.) paid to individuals by each sector is associated with the level of output by a constant proportion, according to the results of the Transactions and Direct Requirements data. This "household cell" for each sector is used to estimate the direct effect on personal income from given total output data. When the interdependency table is multiplied by the set of direct effects for each sector, a numerator for the multiplier is determined. Thus, the income multiplier measures the total income effect in the entire Texas economy of any direct sector change in income (Tables 8 and 9 and Appendix Table 7).

In use, the income data may be given directly from information extraneous to the Model. If not, it can be estimated by using the direct effect household row coefficient of the Direct Requirements Table times the given total output data.

Employment Multipliers

A unit of labor, one person working one year, is used to estimate employment relationships associated with the I-O Model. Total sector output is divided by total employment to estimate the direct effect (Tables 10 and 11 and Appendix Table 8). This value shows person-years (jobs) required to produce one million dollars of output by sector. The lower the direct effect, the more a sector is characterized as capital intensive. Thus, for manufacturing, only about 8 jobs are necessary to produce a million dollars, by comparison over 62 jobs are associated with the same amount of educational expenditures. These direct effects determine, to a large degree, the absolute magnitude of the multipliers. Generally, the smaller the direct effects, the larger the multipliers for any sector.

When using the multipliers, gross output values must be converted to 1979 dollars before calculating direct employment or estimating total effects with the multipliers. The rapid rise in price indexes for some sectors has caused the employment multipliers to show enormous increases since 1972. These ratios do not represent corresponding increases in employment in the sectors,

TABLE 6. FINAL DEMAND AND OUTPUT MULTIPLIERS—TYPE 1
(TEXAS, 1979)

	MULTIPLIER (FINAL DEMAND)	DIAGONAL COEFFICIENT	MULTIPLIER (OUTPUT)
1 AGR., FOR., FSH.	1.855951	1.259756	1.473262
2 MINING	1.453825	1.183088	1.228840
3 CONSTRUCTION	1.691384	1.010697	1.673484
4 MANUFACTURING	1.725084	1.265239	1.363445
5 TRANSPORTATION	1.549496	1.051433	1.473699
6 COMMUNICATIONS	1.335860	1.011380	1.320829
7 UTILITIES	1.851714	1.158948	1.597754
8 WHOLESALE TRADE	1.466786	1.030331	1.423606
9 RETAIL TRADE	1.515290	1.043621	1.451954
10 F.I.R.E.	1.935264	1.200745	1.195311
11 EDUCATION	1.366233	1.006442	1.357488
12 SERVICES	1.510443	1.082172	1.395751

TABLE 7. FINAL DEMAND AND OUTPUT MULTIPLIERS—TYPE 2
(TEXAS, 1979)

	MULTIPLIER (FINAL DEMAND)	DIAGONAL COEFFICIENT	MULTIPLIER (OUTPUT)
1 AGR., FOR., FSH.	3.102163	1.269680	2.443264
2 MINING	2.653678	1.206114	2.200189
3 CONSTRUCTION	2.967160	1.018437	2.913465
4 MANUFACTURING	2.610505	1.359995	1.919496
5 TRANSPORTATION	2.980000	1.078161	2.763965
6 COMMUNICATIONS	2.517738	1.019604	2.469329
7 UTILITIES	2.875587	1.186838	2.422898
8 WHOLESALE TRADE	2.893265	1.101691	2.626204
9 RETAIL TRADE	2.911484	1.134147	2.472683
10 F.I.R.E.	3.376178	1.304083	2.232591
11 EDUCATION	3.142883	1.043152	3.236516
12 SERVICES	3.142883	1.205328	2.607491
13 HOUSEHOLDS	2.848660	1.489622	1.912338

TABLE 8. INCOME MULTIPLIERS—TYPE 1
(TEXAS, 1979)

	DIRECT EFFECT (PER \$1.00)	TOTAL EFFECT (FINAL DEMAND)	MULTIPLIER (FINAL DEMAND)	TOTAL EFFECT (OUTPUT)	MULTIPLIER (OUTPUT)
1 AGR., FOR., FSH.	.225967	.437473	1.936003	.347268	1.536808
2 MINING	.275739	.421199	1.527529	.356017	1.291138
3 CONSTRUCTION	.269510	.447858	1.661753	.443118	1.644166
4 MANUFACTURING	.135650	.310820	2.291334	.245661	1.810989
5 TRANSPORTATION	.348818	.502168	1.439627	.477603	1.369205
6 COMMUNICATIONS	.303171	.414889	1.368499	.410221	1.353101
7 UTILITIES	.122793	.359423	2.927060	.310128	2.523618
8 WHOLESale TRADE	.360255	.500754	1.390000	.486013	1.349081
9 RETAIL TRADE	.302425	.452527	1.496330	.433612	1.433787
10 F.I.R.E.	.369561	.518216	1.402247	.431578	1.167814
11 EDUCATION	.613141	.705575	1.150755	.701059	1.143390
12 SERVICES	.422363	.573055	1.356783	.529542	1.253759

TABLE 9. INCOME MULTIPLIERS—TYPE 2
(TEXAS, 1979)

	DIRECT EFFECT (PER \$1.00)	TOTAL EFFECT (FINAL DEMAND)	MULTIPLIER (FINAL DEMAND)	TOTAL EFFECT (OUTPUT)	MULTIPLIER (OUTPUT)
1 AGR., FOR., FSH.	.225967	.651669	2.883912	.513255	2.271369
2 MINING	.275739	.627427	2.275440	.520206	1.886588
3 CONSTRUCTION	.269510	.667139	2.475383	.655062	2.430571
4 MANUFACTURING	.135650	.463005	3.413220	.340446	2.509729
5 TRANSPORTATION	.348818	.748080	2.144500	.693810	1.989035
6 COMMUNICATIONS	.303171	.618028	2.038545	.606145	1.999349
7 UTILITIES	.122793	.535404	4.360211	.451118	3.673805
8 WHOLESale TRADE	.360255	.745935	2.070574	.677082	1.879451
9 RETAIL TRADE	.302425	.674094	2.228965	.594362	1.965324
10 F.I.R.E.	.369561	.771945	2.088818	.591945	1.601753
11 EDUCATION	.613141	1.051040	1.714190	1.007562	1.643279
12 SERVICES	.422363	.853636	2.021093	.708219	1.676799

TABLE 10. EMPLOYMENT MULTIPLIERS—TYPE 1
(TEXAS, 1979)

	DIRECT EFFECT (PER MILLION \$)	TOTAL EFFECT (FINAL DEMAND)	MULTIPLIER (FINAL DEMAND)	TOTAL EFFECT (OUTPUT)	MULTIPLIER (OUTPUT)	NUMBER OF EMPLOYEES
1 AGR., FOR., FSH.	30.761684	49.092215	1.595888	38.969618	1.266823	343282.
2 MINING	6.767077	15.235394	2.251400	12.877653	1.902986	213797.
3 CONSTRUCTION	15.235768	26.592203	1.745380	26.310767	1.726908	487846.
4 MANUFACTURING	7.811958	18.411698	2.356861	14.551953	1.862779	1034296.
5 TRANSPORTATION	18.597694	27.669002	1.487765	26.315517	1.414988	211477.
6 COMMUNICATIONS	27.006150	34.992934	1.295739	34.599208	1.281160	80760.
7 UTILITIES	6.255205	18.242646	2.916394	15.740691	2.516415	98927.
8 WHOLESALE TRADE	14.829594	23.649233	1.594732	22.953034	1.547786	404873.
9 RETAIL TRADE	56.780548	67.172628	1.183022	64.364956	1.133574	1111170.
10 F.I.R.E.	12.093319	20.542584	1.698672	17.108194	1.414681	364214.
11 EDUCATION	62.176849	67.647997	1.087993	67.214989	1.081029	485518.
12 SERVICES	39.442533	48.973850	1.241651	45.255146	1.147369	1151691.
TOTAL EMPLOYMENT = 5987851.						

TABLE 11. EMPLOYMENT MULTIPLIERS—TYPE 2
(TEXAS, 1979)

	DIRECT EFFECT (PER MILLION \$)	TOTAL EFFECT (FINAL DEMAND)	MULTIPLIER (FINAL DEMAND)	TOTAL EFFECT (OUTPUT)	MULTIPLIER (OUTPUT)	NUMBER OF EMPLOYEES
1 AGR., FOR., FSH.	30.761684	63.668072	2.069720	50.144970	1.630111	343282.
2 MINING	6.767077	29.269031	4.325210	24.267222	3.586072	213797.
3 CONSTRUCTION	15.235768	41.514072	2.724777	40.762540	2.675450	487846.
4 MANUFACTURING	7.811958	28.767699	3.682521	21.152791	2.707745	1034296.
5 TRANSPORTATION	18.597694	44.400362	2.387412	41.181559	2.214337	211477.
6 COMMUNICATIONS	27.006150	48.816332	1.807601	47.877727	1.772845	80760.
7 UTILITIES	6.255205	30.217989	4.830855	25.460922	4.070358	98927.
8 WHOLESALE TRADE	14.829594	40.333515	2.719799	36.610557	2.468750	404873.
9 RETAIL TRADE	56.780548	82.250052	1.448560	72.521532	1.277225	1111170.
10 F.I.R.E.	12.093319	37.808641	3.126407	28.992516	2.397399	364214.
11 EDUCATION	62.176849	91.156562	1.466085	87.385692	1.405438	485518.
12 SERVICES	39.442533	68.067076	1.725728	56.471822	1.431749	1151691.
TOTAL EMPLOYMENT = 5987851.						

generally. They are larger primarily because the direct effect has decreased in proportion to the inflationary increase of the sector. Thus, for example, in 1972 about four jobs were necessary for producing one million dollars of refined petroleum products (Sector 63) and in 1979 only one job was associated with the same amount in 1979 dollars. When interpreting the size of the employment multipliers, the user must pay attention to the size of direct effect; if not, erroneous analysis will likely overstate employment impacts.

Other Multipliers

By determining the units per dollar of output, any conceivable economic or resource multiplier could be created. The direct use of water by sector, for example is used to estimate water use multipliers at the Texas Department of Water Resources. Other users have estimated per-sector pollution loads in common with units such as pounds of effluent or more subjective valuations. Capital consumption multipliers can be estimated. Other uses of the multipliers include the disaggregation of the analysis results into the component sectors, showing the detailed industry effects. Such methods use the Direct, Indirect and Induced Table (Appendix Table 5).

SUMMARY AND USER INFORMATION

The objectives of this project were to calculate an updated version of the Texas Input-Output Model and in so doing produce methods and techniques for use in cost-efficient future updates and analyses using the various tables. The I-O model presents estimates of the trading within the State's economy, in its entirety, for the year 1979, showing sales and purchases transactions of all economic sectors. The amount of interdependency, or trading associations of businesses and industries is measured so that the average relationships in a recent year can be used to show impacts of changes in the economy.

The updated model reveals the structural changes which have occurred since the early seventies. Texas industries are trading much more with out-of-state buyers and sellers; at the same time product diversification is increasing; many more purchases from in-state suppliers are evident in 1979 when compared with those in 1972. The magnitudes of transactions have increased sharply, causing basic alterations of trading patterns, as less expensive services or raw materials are substituted for more expensive ones and the introduction of new technology and services alters the older input patterns.

The estimated 1979 Model incorporates both survey and non-survey data, in an attempt to construct a model in as efficient a manner as possible within the constraint of limited data and other resources. The Model's data have been reviewed and compared with independent data to improve upon the overall accuracy. Although errors surely are present, undiscovered in their verifications, the relationships portrayed in the data are a rational, realistic overview of Texas' complex economy. The primary goal of model construction was to produce, with the data on hand, a complete, appropriate and holistic structure.

Users of this Model can refer directly to the various tables presented in the text and in the Appendices. The full 182-sector Model, with its multiplier data, is presented in Appendix Tables 2 through 8. Sector definitions are shown in Appendix Table 1, with the associated four-digit SIC codes.

The Economic Analysis Unit (EAU) in the Planning and Development Division of the Texas Department of Water Resources will assist interested users of the Model in interpretation and proper analysis techniques. The EAU maintains for public users an interactive I-O analysis computer program by which users can quickly conduct analysis using the multipliers.

This on-line analysis package, Interactive System for Interindustry Analysis (ISIA), can be accessed by contacting the Economic Analysis Unit of TDWR in Austin.

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APPENDICES

APPENDIX A. General Mathematical Form of the Input-Output Model

APPENDIX B. Input-Output Tables

APPENDIX A

GENERAL MATHEMATICAL FORM OF THE INPUT-OUTPUT MODEL

The Texas Input-Output Model is based on a matrix of data showing the dollar value of transactions between sectors, the row and column designators.

This matrix is represented by the following set of simultaneous equations:

$$x_{11} + x_{12} + x_{13} \dots\dots\dots x_{1n} + Y_1 = X_1$$

$$x_{21} + x_{22} + x_{23} \dots\dots\dots x_{2n} + Y_2 = X_2$$

$$x_{i1} \dots\dots\dots x_{ij} \dots\dots\dots x_{in} + Y_i = X_i$$

$$x_{n1} + x_{n2} + \dots\dots\dots x_{nn} + Y_n = X_n$$

where:

- i = row sectors
- j = column sectors
- n = number of sectors
- x = the transactions value
- Y_n = a vector of sales to final demand per sector
- X_n = a vector of total outputs per sector

Given,

$$a_{ij} = \frac{x_{ij}}{X_j}$$

where:

a_{ij} = the technical coefficient, or proportion of total purchases by sector j from sector i;

then, in abbreviated form,

$$\sum_{j=1}^n a_{ij}X_j + Y_i = X_i \quad (i = 1 \dots\dots\dots n)$$

In matrix notation, the resulting equation can be written:

$$AX + Y = X$$

where A is a square matrix of a_{ij} coefficients, X is the column vector of total output and Y is the column vector of final demand. This equation can be solved for any level of final demand as follows:

$$X = (I - A)^{-1} Y;$$

this estimates the Leontief inverse, or interdependency matrix.

Input-Output Multipliers are calculated from the interdependency table.

Let r = a vector of direct effects

where, for all sectors, i and j :

$$y^r_i = x_{173,j}/X_i \quad , \text{ for household income (Sector 173)} \\ (i=1.....n)$$

$$m^r_i = M_i/X_i \quad , \text{ for employment (M)} \\ (i=1.....n)$$

$$Z = (I - A)^{-1} \quad , \text{ the open interdependency matrix}$$

$$Z^* = (I - A)^{-1*} \quad , \text{ the closed interdependency matrix.}$$

In general, resource multipliers, K , for n included sectors, are calculated as follows (for both y and m):

$$\text{TYPE 1, } K_j = \left[\sum_{i=1}^n (Z \cdot r_i) \right] / r_i \quad (i=1.....n)$$

$$\text{TYPE 2, } K_j^* = \left[\sum_{i=1}^n (Z^* \cdot r_i) \right] / r_i \quad (i=1.....n)$$

The final demand and output multipliers are:

$$FD^{K_j} = \sum_{i=1}^n z_{ij} \quad (j=1.....n)$$

$$O^{K_j} = \frac{\sum_{i=1}^n z_{ij}}{z_{ij} (i=j)} \quad (j=1.....n)$$

where, z_{ij} is the diagonal intersection in the open and closed interdependency matrices.

APPENDIX B

Input-Output Tables

- Appendix Table 1. Input-Output Sector Names and Definitions
- Appendix Table 2. Transactions
- Appendix Table 3. Direct Requirements
- Appendix Table 4. Direct and Indirect Requirements
- Appendix Table 5. Direct, Indirect, and Induced Requirements
- Appendix Table 6. Final Demand and Output Multipliers
- Appendix Table 7. Income Multipliers
- Appendix Table 8. Employment Multipliers

Appendix Table 1. Input-Output Sector Names and Definitions.

Sector Number :	Sector Name	SIC Code or Description
<u>Agriculture, Forestry and Fisheries</u>		
1	Irrigated cotton	0131
2	Irrigated food grains	0111, 0112
3	Irrigated feed grains	0115, 0119
4	Other irrigated crops	0116, 0133, 0134, 0139, 0161, 0171, 0172, 0173, 0174, 0175, 0179, 0181, 0182, 0189, 0191
5	Dryland cotton	0131
6	Dryland food grains	0111, 0112
7	Dryland feed grains	0115, 0119
8	Dryland crops and livestock, not elsewhere classified	0116, 0133, 0134, 0139, 0161, 0171, 0172, 0173, 0174, 0175, 0179, 0191, 0271, 0272, 0279, 0291
9	Range livestock production	0212, 0214, 0219
10	Feedlot livestock production	0211, 0213
11	Dairy	0241
12	Poultry and eggs	0251, 0252, 0253, 0254, 0259
13	Agricultural supply except farm machinery	5191
14	Cotton ginning	0724
15	Agricultural services	0711, 0721, 0722, 0723, 0729, 0741, 0742, 0751, 0752, 0761, 0762, 0781, 0782, 0783, 0971
16	Primary forestry	0811, 0821, 0843, 0849, 0851

(Continued)

Input-Output Sector Names and Definitions, 1979^{1/}

Sector Number :	Sector Name :	SIC Code or Description :
17	Fisheries	0912, 0913, 0919, 0921
<u>Mining</u>		
18	Crude petroleum and natural gas	1311
19	Natural gas liquids	1321
20	Oil and gas field services	1381, 1382, 1389
21	Lignite and other mining and quarrying	1011, 1021, 1031, 1051, 1061, 1081, 1092, 1094, 1099, 1211, 1213, 1411, 1422, 1423, 1429, 1442, 1446, 1452, 1453, 1454, 1455, 1459, 1472, 1473, 1474, 1475, 1476, 1477, 1479, 1481, 1492, 1496, 1499
<u>Construction</u>		
22	Residential construction	1521, 1522, 1531 plus subcontractors parts of two-digit SIC 17
23	Commercial, educational, and institutional construction	1542, plus subcontractors parts of two-digit SIC 17
24	Industrial construction	1541, plus subcontractors parts of two-digit SIC 17
*25	Facility construction	1611, 1622, 1623, 1629
26	Maintenance and repair	Maintenance and repair part of two-digit SIC 17
<u>Manufacturing</u>		
27	Meat products	2011, 2013

(Continued)

Input-Output Sector Names and Definitions, 1979^{1/}

Sector Number	Sector Name	SIC Code or Description
28	Poultry products	2016, 2017
29	Dairies	2021, 2022, 2023, 2024, 2026
30	Grain milling	2041, 2043, 2044, 2045, 2046
31	Animal feeds	2047, 2048
32	Bakery products	2051, 2052
33	Canned, preserved, pickled, dried and frozen foods	2032, 2033, 2034, 2035, 2037, 2038, 2091, 2092
34	Other food and kindred products	2061, 2062, 2063, 2065, 2066, 2067, 2074, 2075, 2076, 2077, 2079, 2095, 2097, 2098, 2099, 2121
35	Beverages	2082, 2084, 2086, 2087
36	Textile mill products	2211, 2221, 2231, 2241, 2251, 2252, 2253, 2254, 2257, 2258, 2259, 2261, 2262, 2269, 2271, 2272, 2279, 2281, 2283, 2284, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299
37	Mens and boys, women and misses and children furnishings	2311, 2321, 2322, 2323, 2327, 2328, 2329, 2331, 2335, 2337, 2339, 2341, 2342, 2351, 2352, 2361, 2363, 2369
38	Related apparel	2371, 2381, 2384, 2385, 2386, 2387, 2389, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2399
39	Logging	2411
40	Lumber mills	2421, 2426, 2429

(Continued)

Input-Output Sector Names and Definitions, 1979^{1/}

Sector Number :	Sector Name	SIC Code or Description
41	Millwork and wood products	2431, 2434, 2435, 2436, 2439, 2441, 2448, 2449, 2452, 2491, 2492, 2499
42	Wood furniture and fixtures	2511, 2512, 2515, 2517, 2519, 2521, 2531, 2541, 2591, 2599
43	Metal furniture and fixtures	2514, 2522, 2542
44	Paper and paper mills	2611, 2621, 2631, 2661
45	Paper products except boxes and containers	2641, 2642, 2643, 2645, 2646, 2647, 2648, 2649
46	Boxes and paper containers	2651, 2652, 2653, 2654, 2655
47	Newspapers	2711
48	Publishing	2721, 2731, 2741
49	Printing	2732, 2751, 2752, 2753, 2754, 2795
50	Manifold business forms	2761
51	Other printing and publishing	2771, 2782, 2789, 2791, 2793, 2794
52	Chlorine and alkalies	2812, 2813
53	Cyclic crudes and intermediates and inorganic pigments	2865
54	Organic chemicals	2861, 2869
55	Inorganic chemicals	2816, 2819
56	Fibers, plastics	2821, 2823, 2824
57	Synthetic rubber	2822
58	Drugs (Pharmaceuticals)	2831, 2833, 2834

(Continued)

Input-Output Sector Names and Definitions, 1979^{1/}

Sector Number	Sector Name	SIC Code or Description
59	Agricultural chemicals	2873, 2874, 2875, 2879
60	Soaps, cleansers and toiletries	2841, 2842, 2843, 2844
61	Paints and varnishes	2851
62	Other chemicals	2891, 2892, 2893, 2895, 2899
63	Petroleum refining	2911
64	Other petroleum products	2951, 2952, 2992, 2999
65	Tires	3011
66	Fabricated rubber products	3021, 3031, 3041, 3069
67	Plastics products	3079
68	Leather and leather products	3111, 3131, 3142, 3143, 3144, 3149, 3151, 3161, 3171, 3172, 3199
69	Glass	3211, 3221, 3229, 3231
70	Clay	3251, 3253, 3255, 3259, 3261, 3262, 3264, 3269
71	Cut stone and other clay and shell products	3274, 3275, 3281, 3291, 3292, 3293, 3295, 3296, 3297, 3299
72	Cement and concrete products	3241, 3271, 3272, 3273
73	Blast furnaces	3312
74	Primary steel and iron	3313, 3315, 3316, 3317
75	Foundries	3321, 3322, 3324, 3325
76	Nonferrous primary and secondary smelting	3331, 3332, 3333, 3339, 3341
77	Aluminum smelting and nonferrous rolling and drawing	3334, 3351, 3353, 3354, 3355, 3356, 3357

(Continued)

Input-Output Sector Names and Definitions, 1979^{1/}

Sector Number :	Sector Name	SIC Code or Description
78	Castings and forgings	3361, 3362, 3369, 3398, 3399
79	Fabricated steel	3441
80	Plate work	3443
81	Sheet metal and architectural	3444, 3446, 3448, 3449
82	Metal doors	3442
83	Fabricated metal products	3411, 3412, 3421, 3423, 3425, 3429
84	Plumbing	3431, 3432, 3433
85	Bolts, nuts, and screws	3451, 3452, 3462, 3463, 3465, 3466, 3469
86	Electroplating, coating and engraving	3471, 3479
87	Valves and pipe fittings	3494, 3498
88	Other fabricated metal	3493, 3495, 3496, 3497, 3499
89	Farm, construction and industrial machinery	3523, 3524, 3531, 3537
90	Materials handling machinery and equipment	3534, 3535, 3536
91	Mining machinery and equipment	3532, 3533
92	Engines	3511, 3519
93	Metal working machinery	3541, 3542, 3544, 3545, 3546, 3547, 3549
94	Industrial processing machinery	3551, 3552, 3553, 3554, 3555, 3559

(Continued)

Input-Output Sector Names and Definitions, 1979^{1/}

Sector Number :	Sector Name :	SIC Code or Description :
95	General industry machinery	3561, 3562, 3563, 3564, 3565, 3566, 3567, 3568, 3569
96	Refrigerator machinery	3585
97	Computers, accounting, office and service industry machinery	3572, 3573, 3574, 3576, 3579, 3581, 3582, 3586, 3589, 3592, 3599
98	Electric instruments and apparatus	3612, 3613, 3621, 3622, 3623, 3624, 3629, 3641, 3643, 3644, 3645, 3646, 3647, 3648
99	Electric household equipment	3631, 3632, 3633, 3634, 3635, 3636, 3639
100	Electronic communications equipment	3651, 3652, 3661, 3662, 3671, 3672, 3673, 3674, 3675, 3676, 3677, 3678, 3679
101	Other electrical apparatus	3691, 3693, 3694, 3699
102	Aircraft	3721, 3761
103	Aircraft engines	3724, 3764
104	Other aircraft	3728, 3769
105	Motor vehicles and parts	3711, 3713, 3714, 3715
106	Ship and boat building	3731, 3732
107	Other transportation equipment	2451, 3716, 3743, 3751, 3792, 3799
108	Scientific instruments	3811
109	Mechanical measuring devices	3822, 3823, 3824, 3825, 3829,
110	Medical instruments	3841, 3842, 3843

(Continued)

Input-Output Sector Names and Definitions, 1979^{1/}

Sector Number :	Sector Name	SIC Code or Description
:		:

111	Photographic time and optical instruments	3832, 3851, 3861, 3873
112	Games and toys	3942, 3944, 3949
113	Other manufacturing industries	3911, 3914, 3915, 3931, 3951, 3952, 3953, 3955, 3961, 3962, 3963, 3964, 3991, 3993, 3995, 3996, 3999

Transportation

114	Railroad transportation	4011, 4013
115	Intercity rural highway transportation	4131
116	Motor freight transportation and local trucking and storage	4212, 4213, 4214, 4222, 4224, 4225, 4226, 4231
117	Water transportation	4411, 4421, 4422, 4423, 4441, 4452, 4453, 4454, 4459, 4463, 4464, 4469
118	Air transportation	4511, 4521, 4582, 4583
119	Pipeline transportation	4612, 4613, 4619
120	Local and suburban transportation	4111, 4119, 4121
121	Other transportation services	4141, 4142, 4151, 4171, 4172, 4712, 4722, 4723, 4742, 4782, 4783, 4784, 4789

Communication

122	Telephone and telegraph	4811, 4821
123	Radio and TV	4832, 4833
124	Other communications	4899

(Continued)

Input-Output Sector Names and Definitions, 1979^{1/}

Sector Number :	Sector Name :	SIC Code or Description :
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Utilities

*125	Gas services	4922, 4923, 4924, 4925, 4932, 4939
*126	Electric services	4911, 4931
*127	Water and sanitary services	4941, 4952, 4953, 4959, 4961, 4971

Wholesale Trade

128	Wholesale auto, parts and supplies	5012, 5013, 5014
129	Wholesale groceries and related products	5141, 5142, 5143, 5144, 5145, 5146, 5147, 5148, 5149
130	Wholesale farm products and farm product warehousing	4221, 5152, 5153, 5159
131	Wholesale livestock	5154
132	Wholesale machinery, equipment and supplies	5081, 5082, 5084, 5085, 5086, 5087, 5088
133	Wholesale petroleum and petroleum products	5171, 5172
134	General wholesale	5021, 5023, 5031, 5039, 5041, 5042, 5043, 5051, 5052, 5063, 5064, 5065, 5072, 5074, 5075, 5078, 5093, 5094, 5099, 5111, 5112, 5113, 5122, 5133, 5134, 5136, 5137, 5139, 5161, 5181, 5182, 5194, 5198, 5199,

Retail Trade

135	Lumber yards	5211
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(Continued)

Input-Output Sector Names and Definitions, 1979^{1/}

Sector Number :	Sector Name	SIC Code or Description
136	Farm machinery and equipment	5083
137	Hardware, paint and wallpaper	5231, 5251
138	Department and variety stores	5311, 5331, 5399, 5961
139	Food stores	5411, 5422, 5423, 5431, 5441, 5451, 5462, 5463, 5499
140	Automotive dealers and repair shops	5511, 5521, 5531, 7531, 7534, 7535, 7538, 7539, 7542, 7549
141	Gasoline service stations	5541
142	Apparel and accessory stores	5611, 5621, 5631, 5641, 5651, 5661, 5681, 5699
143	Furniture	5712, 5713, 5714, 5719, 5722, 5732, 5733
144	Eating and drinking places	5812, 5813
145	Other retail	5261, 5271, 5551, 5561, 5571, 5599, 5912, 5921, 5931, 5941, 5942, 5943, 5944, 5945, 5946, 5947, 5948, 5949, 5962, 5963, 5982, 5983, 5984, 5992, 5993, 5994, 5999

Finance, Insurance and Real Estate

146	Banking and credit agencies	6011, 6022, 6023, 6024, 6025, 6026, 6027, 6028, 6032, 6033, 6034, 6042, 6044, 6052, 6054, 6055, 6056, 6059, 6112, 6113, 6122, 6123, 6124, 6125, 6131, 6142, 6143, 6144, 6145, 6146, 6149, 6153, 6159, 6162, 6163
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(Continued)

Input-Output Sector Names and Definitions, 1979^{1/}

Sector Number :	Sector Name :	SIC Code or Description :
147	Insurance carriers	6311, 6321, 6324, 6331, 6351, 6361, 6371, 6399, 6411
148	F.I.R.E., not elsewhere classified	6211, 6221, 6231, 6281, 6512, 6513, 6514, 6515, 6517, 6519, 6531, 6541, 6552, 6553, 6611, 6711, 6722, 6723, 6724, 6725, 6732, 6733, 6792, 6793, 6794, 6798, 6799
<u>Services</u>		
149	Legal services	8111
150	Lodging services	7011, 7021, 7032, 7033, 7041
151	Personal services	7211, 7212, 7213, 7214, 7215, 7216, 7217, 7218, 7219, 7231, 7241, 7251, 7261, 7299
152	Advertising	7311, 7312, 7313, 7319
153	Duplicating and addressing	7331, 7332, 7339
154	Employment agencies private	7361
155	Photographic services	7221, 7333, 7395, 7813, 7814, 7819, 7823, 7824, 7829
156	Research and development	7391, 8922
157	Other business services	7321, 7341, 7342, 7349, 7351, 7362, 7369, 7392, 7393, 7394, 7396, 7397, 7399
158	Motion picture, amusement and recreation services	7832, 7833, 7911, 7922, 7929, 7932, 7933, 7941, 7948, 7992, 7993, 7996, 7997, 7999

(Continued)

Input-Output Sector Names and Definitions, 1979^{1/}

Sector Number	Sector Name	SIC Code or Description
159	Automobile rental services	7512, 7513, 7519
160	Automobile parking	7523, 7525
161	Electrical repair	7622, 7623, 7629
162	Miscellaneous repair services	7631, 7641, 7692, 7694, 7699
163	Physicians and dentists services	8011, 8021, 8031, 8041
*164	Hospital and laboratory services	8062, 8063, 8069, 8071, 8072
*165	Other health services	8042, 8049, 8051, 8059, 8081, 8091
*166	Education (public and private)	8211
*167	Colleges and universities	8221, 8222
*168	Other educational services	8231, 8241, 8243, 8244, 8249, 8299
169	Engineering and architectural services	8911
170	Computer and accounting services	7372, 7374, 7379, 8931
171	Other professional services	8999
172	Other services	8321, 8331, 8351, 8361, 8399, 8411, 8421, 8611, 8621, 8631, 8641, 8651, 8661, 8699
 <u>Other Manufacturing</u>		
173	Ordnance and ordnance accessories	3482, 3483, 3484, 3489, 3795

(Continued)

Input-Output Sector Names and Definitions, 1979^{1/}

Sector Number :	Sector Name :	SIC Code or Description :
<u>Other Services</u>		
**174	Outdoor recreation	The Total Public funds spent in the operation and administration of outdoor recreation facilities by the Texas Parks and Wildlife Department, plus those funds spent by counties, cities, and municipalities for the same purpose.
175	Scrap	Used and second hand goods.
<u>Final Payments</u>		
176	Households	Wages, salaries, rents, interest, and dividends paid to households and personal incomes of sole proprietors.
177	Property payments (residual)	Total revenue minus total expenditures (residual income, retained earnings, etc.).
**178	Federal Government ^{2/}	Taxes and other payments to Federal Government.
**179	State Government ^{3/}	Taxes and other payments to State Government.
**180	Local Government ^{4/}	Taxes and other payments to Local Government.
181	Depreciation	Capital consumption allowances for plant and equipment for current production.

(Continued)

Input-Output Sector Names and Definitions, 1979^{1/}

Sector Number	Sector Name	SIC Code or Description
182	Imports	Payments for goods and services produced outside Texas.
<u>Final Demand</u>		
176	Households	Purchases by individual consumers.
**177	Federal Government Defense	Expenditures of the Department of Defense.
**178	Federal Government Non-Defense ^{2/}	Federal expenditures other than DOD expenditures.
**179	State Government ^{3/}	State Government expenditures.
**180	Local Government ^{4/}	Expenditures of Local Government.
181	Capital formation	Value of capital purchased by Texas sectors that will be depreciated in future years.
182	Exports	Out-of-state sales of goods and services produced in Texas, including sales in Texas to out-of state buyers.

* This sector contains both Private and Government owned establishments.

** This sector contains only Government owned establishments.

- 1/ Contrary to the 1972 SIC Manual, Government owned establishments were excluded from the content of the 1972 Standard Industrial Classification Codes listed here unless otherwise specified.
- 2/ Federal expenditures for Facility Construction and Health are excluded from this sector.
- 3/ Expenditures for State Facility Construction, Health, Education, and expenditures by Texas Parks and Wildlife in the operation and administration of outdoor recreation facilities are excluded from this sector.
- 4/ Local expenditures for Facility Construction, Utilities, Health, Education, and funds spent by counties, cities, and municipalities for the operation and administration of outdoor recreation facilities are excluded from this sector.

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 1 *	* SECTOR 2 *	* SECTOR 3 *	* SECTOR 4 *	* SECTOR 5 *	* SECTOR 6 *	* SECTOR 7 *	* SECTOR 8 *
1 IRR COTTON	12.161	.000	.000	.000	.000	.000	.000	.000
2 IRR FOOD GRAIN	.000	14.586	.000	.000	.000	.000	.000	.000
3 IRR FEED GRAIN	.000	.000	5.510	.000	.000	.000	13.458	.000
4 OTHER IRR CROP	.000	.000	.000	9.923	.000	.000	.000	15.168
5 DRYLAND COTTON	.000	.000	.000	.000	16.166	.000	.000	.000
6 DRY FOOD GRAIN	.000	.000	.000	.000	.000	22.214	.000	.000
7 DRY FEED GRAIN	.000	.000	.000	.435	.000	.000	.000	.000
8 OTHER DRY CROP	.000	.000	.000	.000	.000	.000	.000	7.552
9 RANGE LIVESTOCK	.000	.000	.000	.000	.000	.000	.000	.000
10 FEEDLOT LIVSTK	.000	.000	.000	.000	.000	.000	.000	.000
11 DAIRY	.000	.000	.000	.000	.000	.000	.000	.000
12 POULTRY,EGGS	.000	.000	.000	.000	.000	.000	.000	.000
13 AG SUP EX FMC	22.479	17.521	20.509	21.873	27.650	17.343	23.259	29.972
14 COTTON GINNING	82.361	.000	.000	.000	96.503	.000	.000	.000
15 AGR SERVICES	30.843	34.864	15.371	40.814	32.034	19.147	29.290	19.996
16 PRIM FORESTRY	.000	.000	.000	.000	.000	.000	.000	.000
17 FISHERIES	.000	.000	.000	.000	.000	.000	.000	.000
18 CRUDE PETRO	.000	.000	.000	.000	.000	.000	.000	.000
19 NATRL GAS LQDS.	.000	.000	.000	.000	.000	.000	.000	.000
20 OIL,GAS FLDSV	.000	.000	.000	.000	.000	.000	.000	.000
21 LIGNITE,OTH MINE	.000	.000	.000	.000	.000	.000	.000	.000
22 RES CONSTRUCT	.000	.000	.000	.000	.000	.000	.000	.000
23 COMM,ED,INST	.000	.000	.000	.000	.000	.000	.000	.000
24 INDUS CONS	.000	.000	.000	.000	.000	.000	.000	.000
25 FACILITY CONS	.000	.000	.000	.000	.000	.000	.000	.000
26 MAINTEN,REPR	5.586	4.959	6.782	5.034	5.258	3.655	9.217	5.374
27 MEAT PRODUCTS	.000	.000	.000	.000	.000	.000	.000	.000
28 POULTRY PROD	.000	.000	.000	.000	.000	.000	.000	.000
29 DAIRIES	.000	.000	.000	.000	.000	.000	.000	.000
30 OTH GRAIN MIL	.000	.000	.000	.000	.000	.000	.000	.000
31 ANIMAL FEEDS	.000	.000	.000	.000	.000	.000	.000	.000
32 BAKERY PROD	.000	.000	.000	.000	.000	.000	.000	.000
33 CNND,PSVP,PCK	.000	.000	.000	.000	.000	.000	.000	.000
34 OTH FOOD PROD	.000	.000	.000	.000	.000	.000	.000	.000
35 BEVERAGES	.000	.000	.000	.000	.000	.000	.000	.000
36 TEXTILE MILL	.000	.000	.000	.000	.000	.000	.000	.000
37 MBWMC FURN	.000	.000	.000	.000	.000	.000	.000	.000
38 RELATED APPRL	.000	.000	.000	.000	.000	.000	.000	.000
39 LOGGING	.000	.000	.000	.000	.000	.000	.000	.000
40 LUMBER MILLS	.000	.000	.000	.000	.000	.000	.000	.000
41 MILLWORK,WOOD	.092	.066	.047	.095	.068	.034	.060	.148
42 WOOD FURN,FX	.000	.000	.000	.000	.000	.000	.000	.000
43 MET FURN,FXIT	.000	.000	.000	.000	.000	.000	.000	.000
44 PAPER,PAP MIL	.000	.000	.000	.000	.000	.000	.000	.000
45 PAP EX BOX,CT	.000	.000	.000	.000	.000	.000	.000	.000
46 BOXES,PAP CNT	.000	.000	.000	7.449	.000	.000	.000	.000
47 NEWSPAPERS	.000	.000	.000	.000	.000	.000	.000	.000
48 PUBLISHING	.000	.000	.000	.000	.000	.000	.000	.000
49 PRINTING	.000	.000	.000	.000	.000	.000	.000	.000
50 MANFLC BUS FM	.000	.000	.000	.000	.000	.000	.000	.000

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 1 *	* SECTOR 2 *	* SECTOR 3 *	* SECTOR 4 *	* SECTOR 5 *	* SECTOR 6 *	* SECTOR 7 *	* SECTOR 8 *
51 OTH PRNT,PUBS	.000	.000	.000	.000	.000	.000	.000	.000
52 CHLOR,ALKALIE	.000	.000	.000	.000	.000	.000	.000	.000
53 CYCCRD INT,IG	.000	.000	.000	.000	.000	.000	.000	.000
54 ORG CHEM	.000	.000	.000	.000	.000	.000	.000	.000
55 INORG CHEM	.000	.000	.000	.000	.000	.000	.000	.000
56 FIBERS,PLASTI	.000	.000	.000	.000	.000	.000	.000	.000
57 SYN RUBBER	.000	.000	.000	.000	.000	.000	.000	.000
58 DRUGS	.000	.000	.000	.000	.000	.000	.000	.000
59 AGRI CHEMICAL	51.357	35.445	48.064	47.165	61.931	27.860	42.638	54.118
60 SPS,CLNS,TOIL	.000	.000	.000	.000	.000	.000	.000	.000
61 PAINT+VARNISH	.000	.000	.000	.000	.000	.000	.000	.000
62 OTH CHEMICALS	.000	.000	.000	.000	.000	.000	.000	.000
63 PETRO REFING	30.547	17.055	27.848	19.923	45.726	26.541	48.396	25.270
64 OTH PETRO PRD	.000	.000	.000	.000	.000	.000	.000	.000
65 TIRES	.202	.118	.139	.351	.322	.142	.492	.652
66 FAB RUBBER PR	.000	.000	.000	.000	.000	.000	.000	.000
67 PLASTIC PRODS	.000	.000	.000	12.204	.000	.000	.000	.000
68 LEATHER,L PRD	.000	.000	.000	.000	.000	.000	.000	.000
69 GLASS	.000	.000	.000	.000	.000	.000	.000	.000
70 CLAY	.000	.000	.000	.000	.000	.000	.000	.000
71 CUT ST,CL,SH	.000	.000	.000	.000	.000	.000	.000	.000
72 CEMENT,CONCRT	.000	.000	.000	.000	.000	.000	.000	.000
73 BLAST FURNACE	.000	.000	.000	.000	.000	.000	.000	.000
74 PRI STEEL,IRO	.000	.008	.008	.454	.000	.006	.011	1.053
75 FOUNDRIES	.000	.000	.000	.000	.000	.000	.000	.000
76 NONFER SMELTG	.000	.000	.000	.000	.000	.000	.000	.000
77 AL SMLT ROL DR	.000	.000	.000	.000	.000	.000	.000	.000
78 CAST,FORGINGS	.000	.000	.000	.000	.000	.000	.000	.000
79 FABRI STEEL	.000	.000	.000	.000	.000	.000	.000	.000
80 PLATE WORK	.000	.000	.000	.000	.000	.000	.000	.000
81 SH MET,ARCH	.000	.000	.000	.000	.000	.000	.000	.000
82 METAL DOORS	.000	.000	.000	.000	.000	.000	.000	.000
83 FAB MET PROD	.053	.039	.040	.084	.061	.032	.054	.062
84 PLUMBING	.000	.000	.000	.000	.000	.000	.000	.000
85 BOLTS,NUTS,SC	.020	.014	.016	.033	.023	.013	.021	.024
86 ELCTPLT,CT,EN	.000	.000	.000	.000	.000	.000	.000	.000
87 VALVE,PIPE FT	.263	.192	.199	.421	.302	.159	.267	.304
88 OTH FAB MET P	.047	.033	.035	.062	.053	.028	.047	.054
89 FM,CONS,IND M	1.468	1.303	1.783	1.323	1.382	.961	2.423	1.413
90 MTL HDL MC,EQ	.000	.000	.000	.000	.000	.000	.000	.000
91 MIN MACH,EQUP	.000	.000	.000	.000	.000	.000	.000	.000
92 ENGINES	.000	.000	.000	.000	.000	.000	.000	.000
93 METAL WK MACH	.000	.000	.000	.000	.000	.000	.000	.000
94 IND PROC MACH	.000	.000	.000	.000	.000	.000	.000	.000
95 GEN IND MACH	.000	.000	.000	.000	.000	.000	.000	.000
96 REFRIG MACH	.000	.000	.000	.000	.000	.000	.000	.000
97 COMPU,ACCT MACH	.000	.000	.000	.000	.000	.000	.000	.000
98 ELEC INST,AP	.000	.000	.000	.000	.000	.000	.000	.000
99 ELEC HSLD EQ	.000	.000	.000	.000	.000	.000	.000	.000
100 ELEC COMM EQ	.000	.000	.000	.000	.000	.000	.000	.000

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 1 *	* SECTOR 2 *	* SECTOR 3 *	* SECTOR 4 *	* SECTOR 5 *	* SECTOR 6 *	* SECTOR 7 *	* SECTOR 8 *
101 OTH ELEC APP	.055	.029	.048	.101	.083	.039	.228	.189
102 AIRCRAFT	.000	.000	.000	.000	.000	.000	.000	.000
103 AIRCRAFT ENG	.000	.000	.000	.000	.000	.000	.000	.000
104 OTH AIRCRAFT	.000	.000	.000	.000	.000	.000	.000	.000
105 MOTOR VHCL,P	2.478	2.200	3.009	2.233	2.332	1.622	4.090	2.384
106 SHIP,BT BLDG	.000	.000	.000	.000	.000	.000	.000	.000
107 OTH TRANS EQ	.000	.000	.000	.000	.000	.000	.000	.000
108 SCIENTIF INS	.000	.000	.000	.000	.000	.000	.000	.000
109 MECH HSRG DV	.000	.000	.000	.000	.000	.000	.000	.000
110 MEDICAL INST	.000	.000	.000	.000	.000	.000	.000	.000
111 PHO,TH,OPT I	.000	.000	.000	.000	.000	.000	.000	.000
112 GAMES,TOYS	.000	.000	.000	.000	.000	.000	.000	.000
113 OTH MFG IND	.035	.026	.026	.071	.046	.024	.041	.046
114 RAIL TRANS	1.315	1.391	1.560	1.283	1.610	.939	1.821	1.047
115 INTERCTY HGY	.000	.000	.000	.000	.000	.000	.000	.000
116 MOTOR FRT STR	1.747	1.430	1.604	2.846	2.136	.965	1.873	1.386
117 WATER TRANS	.477	.454	.509	.710	.585	.308	.594	.511
118 AIR TRANS	.060	.045	.052	.116	.072	.030	.061	.061
119 PIPELINE TRN	.000	.000	.000	.000	.000	.000	.000	.000
120 LOC,SUB TRAN	.000	.000	.000	.000	.000	.000	.000	.000
121 OTH TRAN SER	.000	.000	.000	.000	.000	.000	.000	.000
122 TELEP,TELEGR	.341	.248	.258	.545	.392	.202	.346	.394
123 RADIO , TV	.000	.000	.000	.000	.000	.000	.000	.000
124 OTH COMMUNIC	.000	.000	.000	.000	.000	.000	.000	.000
125 GAS SERVICES	41.089	34.599	57.241	18.834	.000	.000	.000	.000
126 ELEC SERVICES	15.100	12.709	21.035	8.125	1.130	.583	1.409	1.133
127 WATER,SANI SERV	.000	.000	.000	.000	.000	.000	.000	.000
128 WHL AUT PT,S	.678	.593	.804	2.067	.663	.446	1.138	.736
129 WHL GRO,RELP	.000	.000	.000	.000	.000	.000	.000	.000
130 WHL FM PROD	1.722	1.928	1.408	1.539	2.268	2.824	3.092	3.045
131 WHL LIVESTOC	.000	.000	.000	.000	.000	.000	.000	.000
132 WHL MAC,EQ,S	1.484	1.134	1.564	1.822	1.701	1.008	2.114	1.664
133 WHL PET,PETP	2.485	1.388	2.257	3.378	3.724	2.153	3.970	2.148
134 GEN WHL	4.149	3.053	3.815	6.758	5.395	3.458	5.433	4.667
135 LUMBER YARDS	.008	.006	.006	.014	.007	.000	.007	.021
136 FARM EQ DEAL	.899	.773	1.062	.839	.885	.589	1.426	.877
137 HDW,HT,E,P,W	.038	.032	.039	.111	.039	.025	.054	.162
138 DEPT,VAR STO	.000	.000	.000	.000	.000	.000	.000	.000
139 FOOD STORES	.000	.000	.000	.000	.000	.000	.000	.000
140 AUTO DEAL,RP	.592	.516	.708	.563	.577	.394	.974	.578
141 GAS SER STAT	1.124	.627	1.021	1.396	1.684	.973	1.792	.965
142 APPRL ACC ST	.000	.000	.000	.000	.000	.000	.000	.000
143 FURN,HM F,EQ	.000	.000	.000	.000	.000	.000	.000	.000
144 EAT,DRINK PL	.000	.000	.000	.000	.000	.000	.000	.000
145 OTHER RETAIL	.000	.000	.000	.000	.000	.000	.000	.000
146 BANK,CRD AGE	16.122	13.182	15.651	57.799	16.890	7.947	18.157	47.752
147 INSURANCE CA	2.078	9.583	1.224	3.319	2.907	1.230	2.108	2.397
148 F.I.R.E. NEC	.000	.000	.000	.000	.000	.000	.000	.000
149 LEGAL SERVIC	.000	.000	.000	.000	.000	.000	.000	.000
150 LODGING SERV	.000	.000	.000	.000	.000	.000	.000	.000

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 1 *	* SECTOR 2 *	* SECTOR 3 *	* SECTOR 4 *	* SECTOR 5 *	* SECTOR 6 *	* SECTOR 7 *	* SECTOR 8 *
151 PERSONAL SER	.000	.000	.000	.000	.000	.000	.000	.000
152 ADVERTISING	.000	.000	.000	.000	.000	.000	.000	.000
153 DUPL, ADDRESS	.000	.000	.000	.000	.000	.000	.000	.000
154 PRI EMPL AGE	.000	.000	.000	.000	.000	.000	.000	.000
155 PHOTO SERVIC	.000	.000	.000	.000	.000	.000	.000	.000
156 RESRCH,DEVEL	.000	.000	.000	.000	.000	.000	.000	.000
157 OTHER BUS SE	.074	.055	.057	.119	.086	.044	.076	.086
158 MTN PCT,AM,R	.000	.000	.000	.000	.000	.000	.000	.000
159 AUTO RENT SE	.000	.000	.000	.000	.000	.000	.000	.000
160 AUTO PARKING	.000	.000	.000	.000	.000	.000	.000	.000
161 ELEC REP SHP	4.882	3.694	6.968	2.739	.000	.000	.000	.000
162 MISC REP SER	.181	.129	.135	.290	.207	.107	.183	.206
163 PHYS,DENT SE	.000	.000	.000	.000	.000	.000	.000	.000
164 HOSP,LAB SER	.000	.000	.000	.000	.000	.000	.000	.000
165 OTH MED SERV	.000	.000	.000	.000	.000	.000	.000	.000
166 ED (PUB,PRI)	4.702	3.406	3.802	9.845	5.512	2.934	5.108	6.495
167 COLL,UNIV	1.491	1.080	1.205	3.121	1.748	.930	1.619	2.059
168 OTH ED SERV	.000	.000	.000	.000	.000	.000	.000	.000
169 ENG,ARCH SER	.000	.440	.000	.000	.000	.000	.000	.000
170 COMPU,ACCT SERV	.000	.000	.000	.000	.000	.000	.000	.000
171 OTH PROF SER	.000	.000	.000	.000	.000	.000	.000	.000
172 OTHER SERVIC	.000	.000	.000	.000	.000	.000	.000	.000
173 ORD,ORD ACCS	.000	.000	.000	.000	.000	.000	.000	.000
174 OUTDOOR REC	.000	.000	.000	.000	.000	.000	.000	.000
175 SCRAP	.000	.000	.000	.000	.000	.000	.000	.000
176 HOUSEHOLDS	215.395	87.465	126.244	184.362	331.772	67.371	148.705	132.018
177 PROP PAY	.000	.000	.000	.000	.000	.000	.000	.000
178 FEDERAL GOVT	8.670	6.282	7.009	18.155	10.165	5.410	9.419	11.975
179 STATE GOVT	.592	.429	.479	1.240	.695	.370	.644	.818
180 LOCAL GOVT	10.667	7.728	8.623	22.334	12.505	6.656	11.588	14.733
181 DEPRECIATION	83.712	63.797	64.477	66.938	67.758	47.769	102.059	32.986
182 IMPORTS	51.402	31.271	48.125	75.258	52.619	14.420	32.429	24.276
TOTAL VALUE ADDED	319.036	165.701	206.832	293.029	422.895	127.576	272.415	192.530
TOTAL PURCHASES	713.323	417.925	508.376	666.513	815.672	289.905	532.191	458.975

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 9 *	* SECTOR 10 *	* SECTOR 11 *	* SECTOR 12 *	* SECTOR 13 *	* SECTOR 14 *	* SECTOR 15 *	* SECTOR 16 *
1 IRR COTTON	.000	.064	.000	.000	.000	.000	.000	.000
2 IRR FOOD GRAIN	29.497	.095	.000	.000	.000	.000	.000	.000
3 IRR FEED GRAIN	24.714	289.459	12.924	.000	.000	.000	.026	.016
4 OTHER IRR CROP	4.893	15.703	5.103	.000	.000	.000	.017	.011
5 DRYLAND COTTON	.000	.052	.000	.000	.000	.000	.000	.000
6 DRY FOOD GRAIN	22.638	.395	.008	.000	.000	.000	.011	.007
7 DRY FEED GRAIN	29.359	63.164	39.084	.000	.000	.000	.041	.026
8 OTHER DRY CROP	81.936	2.509	28.760	.000	.000	.000	.020	.013
9 RANGE LIVESTOCK	2.700	729.236	.069	.000	.000	.000	.097	.062
10 FEEDLOT LIVSTK	.000	.000	.000	.000	.000	.000	.000	.000
11 DAIRY	27.630	7.255	9.292	.000	.000	.000	.000	.000
12 POULTRY, EGGS	.000	.366	.007	30.981	.000	.000	18.096	.006
13 AG SUP EX FMC	47.436	72.015	40.746	38.411	.000	.000	5.955	.098
14 COTTON GINNING	.000	1.658	.031	.000	.000	.000	.045	.029
15 AGRI SERVICES	54.330	19.393	26.298	48.911	.000	.000	17.175	.028
16 PRIM FORESTRY	.000	.000	.000	.000	.000	.000	.000	69.097
17 FISHERIES	.000	.010	.000	.000	.000	.000	.000	.000
18 CRUDE PETRO	.000	.000	.000	.000	.000	.000	.000	.000
19 NATRL GAS LIQDS.	.000	.000	.000	.000	.007	.024	.112	.000
20 OIL, GAS FLDSV	.000	.000	.000	.000	.000	.000	.000	.000
21 LIGNITE, OTH MINE	.000	.000	.000	.000	.000	.000	.000	.124
22 RES CONSTRUCT	.000	.000	.000	.000	.000	.000	.000	.000
23 COMM, ED, INST	.000	.000	.000	.000	.000	.000	.000	.000
24 INDUS CONS	.000	.000	.000	.000	.000	.000	.000	.000
25 FACILITY CONS	.000	.000	.000	.000	.000	.000	.000	.000
26 MAINTEN, REPR	5.149	5.023	.599	.442	2.482	28.342	1.598	7.522
27 MEAT PRODUCTS	.000	.000	.000	.000	.000	.000	.000	.000
28 POULTRY PROD	.000	.000	.000	.000	.000	.000	.000	.000
29 DAIRIES	.000	.000	.000	.000	.000	.000	.000	.000
30 OTH GRAIN MIL	.000	.404	1.093	.000	.000	.000	.000	.000
31 ANIMAL FEEDS	84.772	56.127	40.984	144.495	.000	.000	.082	.052
32 BAKERY PROD	.000	.000	.000	.000	.000	.000	.000	.000
33 CNND, PSVP, PCK	.000	.000	.000	.000	.000	.000	.000	.000
34 OTH FOOD PROD	14.353	18.783	6.914	.000	.000	.000	.046	.018
35 BEVERAGES	.000	.006	.000	.000	.294	.000	.500	.000
36 TEXTILE MILL	.000	.009	.000	.000	.029	.016	.048	.000
37 MBWMC FURN	.000	.000	.000	.000	.000	.000	.000	.000
38 RELATED APPRL	.000	.000	.000	.000	.000	.000	.000	.000
39 LOGGING	.000	.000	.000	.000	.000	.000	.000	49.424
40 LUMBER MILLS	.384	.036	.000	.421	.014	.000	.000	.007
41 MILLWORK, WOOD	4.398	.586	.037	.111	.019	.000	.006	.000
42 WOOD FURN, FIX	.000	.000	.000	.000	.000	.000	.000	.000
43 MET FURN, FIXT	.000	.000	.000	.000	.000	.000	.000	.000
44 PAPER, PAP MIL	.000	.000	.000	.000	.000	.000	.000	.000
45 PAP EX BOX, CT	.000	.000	.000	.000	.081	.000	.009	.000
46 BOXES, PAP CNT	.000	.089	.000	4.574	.000	.006	.014	.026
47 NEWSPAPERS	.000	.013	.000	.000	1.355	.000	.660	.000
48 PUBLISHING	.000	.000	.000	.000	.000	.000	.000	.000
49 PRINTING	.000	.000	.000	.000	1.072	.000	.000	.000
50 MANFLD BUS FM	.000	.000	.000	.000	.000	.006	.008	.000

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 9 *	* SECTOR 10 *	* SECTOR 11 *	* SECTOR 12 *	* SECTOR 13 *	* SECTOR 14 *	* SECTOR 15 *	* SECTOR 16 *
51 OTH PRNT,PUBS	.014	.026	.000	.000	.000	.000	.000	.000
52 CHLOR,ALKALIE	.000	.000	.000	.000	.000	.000	.000	.000
53 CYCCRD INT,IG	.000	.000	.000	.000	.000	.000	.000	.000
54 ORG CHEM	.000	.005	.000	.000	.000	.323	.000	.000
55 INORG CHEM	.000	.000	.000	.000	.000	.009	.000	.000
56 FIBERS,PLASTI	.000	.000	.000	.000	.000	.000	.000	.000
57 SYN RUBBER	.000	.000	.000	.000	.000	.000	.000	.000
58 DRUGS	.000	.000	.000	.000	.000	.000	.000	.000
59 AGRI CHEMICAL	18.963	8.610	11.199	.278	.026	.041	114.550	.147
60 SPS,CLNS,TOIL	.000	.015	.991	.160	.053	.009	.057	.000
61 PAINT+VARNISH	.000	.000	.000	.000	.007	.000	.000	.000
62 OTH CHEMICALS	.000	.000	.000	.000	.000	.009	.000	.190
63 PETRO REFING	28.656	8.141	12.330	2.281	13.973	2.450	19.740	.053
64 OTH PETRO PRD	.000	.022	.000	.000	.000	.000	.000	.000
65 TIRES	.805	.077	.092	.092	.052	.018	.176	.000
66 FAB RUBBER PR	.000	.000	.000	.000	.000	.000	.000	.000
67 PLASTIC PRODS	.000	.076	.000	.000	.000	1.095	.007	.023
68 LEATHER,L PRD	.056	.024	.000	.000	.019	.000	.088	.000
69 GLASS	.000	.000	.000	.000	.000	.000	.000	.000
70 CLAY	.000	.000	.000	.000	.000	.000	.161	.000
71 CUT ST,CL,SH	.000	.056	.000	.000	.000	.000	.000	.017
72 CEMENT,CONCRT	.000	.000	.000	.000	.000	.000	.000	.000
73 BLAST FURNACE	.000	.000	.000	.000	.000	.000	.000	.000
74 PRI STEEL,IRO	.030	.013	.012	.015	.000	.000	.000	.000
75 FOUNDRIES	.000	.000	.000	.000	.000	.000	.000	.000
76 NONFER SMELTG	.000	.000	.000	.000	.000	.000	.000	.000
77 AL SHLT ROL DR	.000	.000	.000	.000	.000	.000	.000	.000
78 CAST,FORGINGS	.000	.000	.000	.000	.000	.000	.000	.000
79 FABRI STEEL	.000	.000	.000	.000	.014	.006	.000	.000
80 PLATE WORK	.000	.000	.000	.000	.000	.000	.000	.000
81 SH MET,ARCH	1.617	.023	.000	.000	.000	.000	.000	.007
82 METAL DOORS	.000	.000	.000	.000	.000	.000	.000	.000
83 FAB MET PROD	.148	.020	.059	.072	.000	.027	.010	.006
84 PLUMBING	.000	.000	.000	.000	.053	.032	.023	.000
85 BOLTS,NUTS,SC	.054	.059	.022	.026	.010	.034	.063	.009
86 ELCTPLT,CT,EN	.000	.000	.000	.000	.000	.000	.000	.000
87 VALVE,PIPE FT	.751	.058	.076	.370	.038	.038	.007	.018
88 OTH FAB MET P	1.135	.093	.051	.121	.021	.006	.006	.023
89 FM,CONS,IND M	1.353	.842	.165	.116	.000	.000	9.345	.010
90 MTL HDL MC,EQ	.000	.000	.000	.000	.000	.000	.000	.000
91 MIN MACH,EQU	.000	.000	.000	.000	.000	.000	.000	.000
92 ENGINES	.000	.000	.000	.000	.043	.029	.000	.000
93 METAL WK MACH	.000	.000	.000	.000	.010	.000	.000	.000
94 IND PROC MACH	.000	.000	.000	.000	.000	.000	.000	.000
95 GEN IND MACH	.000	.000	.000	.000	.000	.000	.000	.000
96 REFRIG MACH	.000	.000	.000	.000	.000	.000	.000	.000
97 COMPU,ACCT MACH	.000	.781	.000	.000	.000	.000	.000	.000
98 ELEC INST,AP	.000	.000	.000	.000	.034	.021	.024	.000
99 ELEC HSLD EQ	.000	.000	.000	.000	.103	.000	.000	.000
100 ELEC COMM EQ	.000	.000	.000	.000	.007	.000	.014	.000

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	SECTOR 9 *	SECTOR 10 *	SECTOR 11 *	SECTOR 12 *	SECTOR 13 *	SECTOR 14 *	SECTOR 15 *	SECTOR 16 *
101 OTH ELEC APP	.207	.153	.039	.024	.021	.015	.012	.043
102 AIRCRAFT	.000	.000	.000	.000	.000	.000	.000	.000
103 AIRCRAFT ENG	.000	.000	.000	.000	.000	.000	.498	.000
104 OTH AIRCRAFT	.000	.000	.000	.000	.000	.000	.000	.000
105 MOTOR VHCL,P	2.285	.690	.264	.196	1.420	.213	.134	.000
106 SHIP,BT BLDG	.000	.090	.000	.000	.000	.000	.000	.000
107 OTH TRANS EQ	.000	.000	.000	.000	.000	.000	.000	.000
108 SCIENTIF INS	.000	.000	.000	.000	.000	.000	.000	.000
109 MECH MSRG DV	.000	.000	.000	.000	.000	.000	.000	.000
110 MEDICAL INST	.000	.000	.000	.000	.000	.000	.000	.000
111 PHO, TM, OPT I	.000	.000	.000	.000	.000	.000	.000	.000
112 GAMES, TOYS	.000	.000	.000	.000	.000	.000	.000	.000
113 OTH HFG IND	.109	.048	.045	.054	.252	.096	.024	.011
114 RAIL TRANS	6.105	4.146	1.746	3.953	1.236	.000	.262	18.129
115 INTERCTY HGY	.000	.000	.000	.000	.000	.000	.000	.000
116 MOTOR FRT STR	17.567	12.311	11.045	2.590	1.093	3.107	3.047	6.562
117 WATER TRANS	.896	.634	.150	.183	.000	.000	.756	.000
118 AIR TRANS	.020	.043	.000	.000	.000	.000	.086	.183
119 PIPELINE TRN	.000	.000	.000	.000	.000	.000	.000	.000
120 LOC,SUB TRAN	.000	.000	.000	.000	.000	.000	.000	.000
121 OTH TRAN SER	.000	.000	.000	.000	.000	.000	.000	.000
122 TELEP, TELEGR	1.135	1.056	.633	.890	2.270	.267	.951	.575
123 RADIO, TV	.000	.015	.000	.000	.427	.000	.179	.000
124 OTH COMMUNIC	.000	.000	.000	.000	.000	.000	.000	.000
125 GAS SERVICES	.000	4.707	1.045	1.240	2.452	1.616	.574	.072
126 ELEC SERVICES	2.785	7.423	10.620	3.529	5.222	14.970	1.399	.399
127 WATER,SANI SERV	.000	.000	.008	.000	1.352	.070	.374	.033
128 WHL AUT PT,S	.745	.179	.085	.072	.617	.110	.100	2.560
129 WHL GRO, RELP	.000	.000	.000	.000	.029	.000	.028	.000
130 WHL FM PROD	28.039	107.302	10.091	3.367	.000	.000	3.569	.189
131 WHL LIVESTOC	.376	39.678	.053	.158	.000	.000	.098	.007
132 WHL MAC, EQ, S	1.661	.422	.352	.302	.224	.000	4.717	7.902
133 WHL PET, PETP	2.569	.737	1.082	.380	2.266	1.601	38.577	.447
134 GEN WHL	15.606	8.622	5.019	2.720	1.132	.910	4.161	26.446
135 LUMBER YARDS	.626	.213	.126	.501	.000	.000	.053	.629
136 FARM EQ DEAL	.926	.485	.176	.252	.000	.000	5.729	.259
137 HDV, HT, E, P, W	.234	.041	.015	.067	.000	.000	.056	.479
138 DEPT, VAR STO	.000	.023	.000	.000	.000	.000	.028	1.252
139 FOOD STORES	.000	.207	.683	.000	.000	.000	.107	.000
140 AUTO DEAL, RP	.568	2.352	.075	.052	.888	.619	.531	1.135
141 GAS SER STAT	1.098	.576	.435	.089	.420	.000	.339	.016
142 APRPL ACC ST	.000	.000	.000	.000	.000	.000	.117	.000
143 FURN, HM F, EQ	.000	.000	.000	.000	.000	.000	.000	3.211
144 EAT, DRINK PL	.000	.162	.371	.000	.178	.000	.287	.023
145 OTHER RETAIL	.000	.207	.000	.000	.064	.000	.091	.133
146 BANK, CRD AGE	61.215	63.205	12.460	14.025	12.552	8.840	4.957	.099
147 INSURANCE CA	25.155	4.571	3.830	3.169	9.502	6.283	3.312	.695
148 F, I, R, E, NEC	.000	.107	.015	.000	22.385	.471	.530	.013
149 LEGAL SERVIC	.000	.155	.000	.000	.791	.000	.334	.014
150 LODGING SERV	.000	.052	.000	.000	.295	.000	.812	.066

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	SECTOR 9 *	SECTOR 10 *	SECTOR 11 *	SECTOR 12 *	SECTOR 13 *	SECTOR 14 *	SECTOR 15 *	SECTOR 16 *
151 PERSONAL SER	.000	.000	.000	.000	.000	.000	.000	.000
152 ADVERTISING	.000	.000	.000	.000	.505	.499	.000	.000
153 DUPL, ADDRESS	.000	.000	.000	.000	.000	.000	.000	.000
154 PRI EMPL AGE	.000	.000	.000	.000	.000	.000	.000	.000
155 PHOTO SERVIC	.000	.000	.000	.000	.000	.000	.000	.000
156 RESRCH, DEVEL	.000	.132	.000	.000	.000	.000	.000	.000
157 OTHER BUS SE	.491	.421	.181	.122	.940	1.075	9.312	.328
158 MTN PCT, AM, R	.000	.000	.000	.000	.000	.000	.000	.000
159 AUTO RENT SE	.000	.000	.000	.000	.299	.000	.000	.005
160 AUTO PARKING	.000	.000	.000	.000	.000	.000	.000	.000
161 ELEC REP SHP	.000	.133	2.253	.181	.398	.000	.222	.983
162 MISC REP SER	.596	.014	1.030	.294	1.386	.000	2.194	.475
163 PHYS, DENT SE	.000	.000	.000	.000	.000	.000	.000	.000
164 HOSP, LAB SER	.000	.000	.000	.000	.000	.000	.000	.000
165 OTH MED SERV	.000	.000	.000	.000	.000	.000	.000	.000
166 ED(PUB, PRI)	20.115	2.305	5.910	5.521	1.600	1.417	.729	.033
167 COLL, UNIV	4.731	.595	1.874	1.750	1.069	.374	.105	.000
168 OTH ED SERV	.000	.000	.000	.000	.000	.000	.000	.019
169 ENG, ARCH SER	.000	.000	.000	.000	.000	.000	.000	.144
170 COMPU, ACCT SERV	.000	.405	.030	.000	1.637	1.343	1.057	.320
171 OTH PROF SER	.000	.000	.000	.000	.000	.000	.000	6.480
172 OTHER SERVIC	.000	.094	.000	.000	.000	.000	.000	.108
173 ORD, ORD ACCS	.000	.000	.000	.000	.000	.000	.000	.000
174 OUTDOOR REC	.000	.000	.000	.000	.102	.028	.024	.000
175 SCRAP	.000	.000	.000	.000	.000	.000	.000	.000
176 HOUSEHOLDS	691.755	122.581	132.640	32.774	165.051	64.778	91.398	44.319
177 PROP PAY	.000	90.616	.595	.000	36.097	1.188	20.185	66.081
178 FEDERAL GOVT	27.517	26.936	11.622	10.181	13.205	2.023	10.175	1.468
179 STATE GOVT	1.880	.392	.788	.696	1.107	.397	.221	13.533
180 LOCAL GOVT	33.851	5.600	14.105	12.524	.973	.771	.581	6.800
181 DEPRECIATION	214.849	32.027	35.712	27.332	9.139	16.234	5.199	6.471
182 IMPORTS	79.656	908.604	31.883	51.743	64.774	34.649	126.662	45.011
TOTAL VALUE ADDED	969.852	278.152	195.462	83.507	225.572	85.391	127.719	138.672
TOTAL PURCHASES	1733.139	2752.763	539.603	451.908	386.281	195.410	533.596	391.233

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 17 *	SECTOR 18 *	SECTOR 19 *	SECTOR 20 *	SECTOR 21 *	SECTOR 22 *	SECTOR 23 *	SECTOR 24 *
1 IRR COTTON	.000	.000	.000	.000	.000	.000	.000	.000
2 IRR FOOD GRAIN	.000	.000	.000	.000	.000	.000	.000	.000
3 IRR FEED GRAIN	.019	.000	.000	.000	.000	.000	.000	.000
4 OTHER IRR CROP	.012	.000	.000	.000	.000	.000	.000	.000
5 DRYLAND COTTON	.000	.000	.000	.000	.000	.000	.000	.000
6 DRY FOOD GRAIN	.008	.000	.000	.000	.000	.000	.000	.000
7 DRY FEED GRAIN	.030	.000	.000	.000	.000	.000	.000	.000
8 OTHER DRY CROP	.014	.000	.000	.000	.000	.000	.030	.000
9 RANGE LIVESTOCK	.072	.000	.000	.000	.000	.000	.000	.000
10 FEEDLOT LVSTK	.000	.000	.000	.000	.000	.000	.000	.000
11 DAIRY	.000	.000	.000	.000	.000	.000	.000	.000
12 POULTRY,E66S	.011	.000	.000	.000	.000	.000	.000	.000
13 AG SUP EX FHC	.112	.000	.000	.000	.000	.000	.000	.000
14 COTTON GINNING	.033	.000	.000	.000	.000	.000	.000	.000
15 AGRI SERVICES	.032	.000	.000	.000	.000	.000	.000	.000
16 PRIM FORESTRY	.000	.000	.000	.000	.000	.000	.000	.000
17 FISHERIES	.296	.000	.000	.000	.000	.000	.000	.000
18 CRUDE PETRO	.029	24.035	537.663	.528	.000	.000	.000	.000
19 NATRL GAS LQDS.	.000	.251	.199	.000	.000	.000	.000	.011
20 OIL,GAS FLDV	.000	3795.501	81.168	.057	2.949	22.429	10.131	5.305
21 LIGNITE,OTH MINE	.000	.031	12.784	.000	.000	.030	.000	.000
22 RES CONSTRUCT	.000	.000	.000	.000	.000	3.383	6.785	3.808
23 COMM,ED,INST	.000	.000	.000	.000	.000	.117	.000	.000
24 INDUS CONS	.000	.000	.000	.000	.000	15.357	.791	18.536
25 FACILITY CONS	.000	.000	.000	.000	.000	5.181	10.365	10.384
26 MAINTEN,REPR	7.661	23.939	45.865	.000	15.180	.091	.000	.000
27 MEAT PRODUCTS	.060	.000	.000	.024	.000	.000	.000	.000
28 POULTRY PROD	.007	.000	.000	.023	.000	.013	.000	.000
29 DAIRIES	.000	.000	.000	.066	.141	.000	.000	.000
30 OTH GRAIN MIL	.060	.000	.000	.025	.000	.000	.000	.000
31 ANIMAL FEEDS	.008	.000	.000	.237	.000	.008	.000	.000
32 BAKERY PROD	.073	.000	.000	.168	.143	.020	.000	.000
33 CNND,PSVP,PCK	2.260	.000	.000	.346	.000	.000	.000	.000
34 OTH FOOD PROD	.008	.000	.000	.000	.372	.000	.000	.000
35 BEVERAGES	.266	.071	.000	.000	.000	9.769	1.986	3.114
36 TEXTILE MILL	.000	.000	.017	1.194	.000	.038	.000	.620
37 MBWMC FURN	1.130	.000	.000	.000	.000	.000	.000	.000
38 RELATED APRRL	.000	.000	.000	.063	.161	.000	.000	.000
39 LOGGING	.000	.285	.006	.000	.000	.000	.000	.000
40 LUMBER MILLS	1.664	.000	.000	.013	.000	208.061	30.586	.768
41 MILLWORK,WOOD	.000	.000	.000	.000	.000	28.977	16.385	2.141
42 WOOD FURN,FX	.000	.000	.000	.000	.000	16.998	1.906	.112
43 MET FURN,FX	.000	.000	.000	.000	.000	2.569	8.170	.725
44 PAPER,PAP MIL	.000	.086	.000	.000	.000	3.961	.510	.202
45 PAP EX BOX,CT	.000	8.052	.039	.214	.270	5.911	2.131	.029
46 BOXES,PAP CNT	.000	.000	.000	.000	.000	.158	.024	.000
47 NEWSPAPERS	.000	.000	.000	.000	.000	6.574	.144	.000
48 PUBLISHING	.000	.000	.000	.000	.000	.012	.106	.027
49 PRINTING	.000	.859	.550	1.911	.000	.280	.078	.101
50 MANFLD BUS FH	.000	6.889	.936	2.592	.232	.967	.114	.045

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 17 *	SECTOR 18 *	SECTOR 19 *	SECTOR 20 *	SECTOR 21 *	SECTOR 22 *	SECTOR 23 *	SECTOR 24 *
51 OTH PRNT,PUBS	.000	.000	.000	.000	.000	.235	.283	.154
52 CHLOR,ALKALIE	.000	.029	2.815	1.442	6.811	1.188	.378	16.589
53 CYCCRD INT,IG	.000	.020	.108	.031	.000	7.550	.173	.000
54 OR6 CHEM	.000	20.660	.212	3.054	.000	.478	1.578	1.578
55 INDR6 CHEM	.000	10.073	.164	.205	.000	.107	.128	.008
56 FIBERS,PLASTI	.000	.000	.000	.009	.529	6.764	4.980	.000
57 SYN RUBBER	.000	.000	.000	.000	.000	.020	.010	.000
58 DRUGS	.000	.000	.000	.000	.000	.029	.000	.000
59 AGR1 CHEMICAL	.170	.000	.000	.000	.000	.856	.164	.000
60 SPS,CLNS,TOIL	.013	.214	.661	.334	.315	.524	1.723	.195
61 PAINT+VARNISH	.025	.068	.518	.000	.000	24.590	16.925	4.686
62 OTH CHEMICALS	.016	4.255	.309	32.449	36.384	2.628	1.772	.211
63 PETRO REFINING	19.129	80.340	58.885	134.802	41.805	10.104	10.538	.619
64 OTH PETRO PRD	.000	.094	.014	.011	4.501	24.564	49.498	11.634
65 TIRES	.010	.229	.049	.890	6.048	.219	.173	.069
66 FAB RUBBER PR	.000	.000	.015	.000	3.305	.768	.117	.139
67 PLASTIC PRODS	.000	.000	.000	.000	.000	5.205	5.467	16.269
68 LEATHER,L PRD	.000	.076	.000	.000	.000	3.228	35.498	7.555
69 GLASS	.000	.000	.000	.000	.000	.000	.579	3.667
70 CLAY	.000	.067	.012	.052	.000	8.141	.000	16.170
71 CUT ST,CL,SH	.000	.000	.019	.087	2.914	32.958	56.118	21.012
72 CEMENT,CONCRT	.000	9.896	.048	.222	5.075	58.279	65.768	93.144
73 BLAST FURNACE	.025	1.218	.183	.196	1.635	422.685	446.249	17.365
74 PRI STEEL,IRO	.000	.026	.000	.000	9.404	30.448	114.638	17.644
75 FOUNDRIES	.000	.103	.023	.189	.000	5.611	8.773	.771
76 NONFER SHELTV	.000	.000	.000	.000	2.137	1.454	2.685	.190
77 AL SMLT ROL DR	.000	.006	.008	.034	.000	2.235	15.372	5.164
78 CAST,FORGINGS	.000	.000	.000	.013	1.939	21.272	27.266	.019
79 FABRI STEEL	.000	.000	.000	.022	.732	.654	.159	47.474
80 PLATE WORK	.000	.000	.000	.000	1.278	220.180	132.840	64.446
81 SH MET,ARCH	.000	.000	.000	.000	.000	6.154	64.446	.051
82 METAL DOORS	.000	.000	.000	.008	.419	62.501	142.094	66.969
83 FAB MET PROD	.000	.000	.000	.000	.000	24.253	204.708	6.589
84 PLUMBING	.000	2.348	.013	.046	.000	12.129	42.664	21.770
85 BOLTS,NUTS,SC	.000	.000	.000	.145	.000	15.406	33.913	7.517
86 ELCTPLT,CT,EN	.000	.250	.000	.000	.000	12.670	26.525	7.063
87 VALVE,PIPE FT	.018	.000	.023	.105	6.111	1.295	.165	18.777
88 OTH FAB MET P	.000	.735	.380	5.826	.000	37.213	57.522	120.906
89 FM,CONS,IND M	.011	.000	.022	1.379	.000	1.112	9.485	.017
90 MTL HDL MC,EQ	.000	.000	.033	.011	11.410	21.580	21.389	4.736
91 MIN MACH,EQ	.000	85.317	2.030	110.235	11.124	.096	.012	1.767
92 ENGINES	.000	.417	.145	.856	29.797	1.756	6.328	6.066
93 METAL WK MACH	.000	.000	.000	.000	15.291	.313	3.381	.087
94 IND PROC MACH	.000	.000	.000	.000	.000	2.627	.081	.085
95 GEN IND MACH	.011	.393	.853	.000	.000	.074	.009	1.368
96 REFRIG MACH	.000	.000	.095	.009	8.423	3.999	3.766	9.275
97 COMPU,ACCT MACH	.000	.029	.068	.000	.000	21.084	33.419	26.553
98 ELEC INST,AP	.000	.000	.063	1.246	12.549	11.695	4.868	5.606
99 ELEC HSLD EQ	.000	.486	.054	1.539	7.481	14.365	13.793	10.123
100 ELEC COMM EQ	.000	.000	.000	.000	.000	1.498	2.906	4.553
		.036	24.076	57.123	.000	1.259	.052	.000

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 17 *	SECTOR 18 *	SECTOR 19 *	SECTOR 20 *	SECTOR 21 *	SECTOR 22 *	SECTOR 23 *	SECTOR 24 *
101 OTH ELEC APP	.011	.206	.031	1.060	3.365	.000	.044	.000
102 AIRCRAFT	.000	.000	.000	.000	.000	.000	.000	.000
103 AIRCRAFT ENG	.000	.000	.000	.000	.000	.000	.000	.000
104 OTH AIRCRAFT	.000	.000	.000	.021	.000	.000	.000	.000
105 MOTOR VHCL,P	.008	.484	.054	1.141	6.401	5.713	9.070	1.919
106 SHIP,BT BLDG	6.401	.000	.000	.000	.000	.000	.000	.000
107 OTH TRANS EQ	.000	.000	.000	.000	.768	.052	.000	.000
108 SCIENTIF INS	.000	.000	.007	.432	.000	.000	.000	.006
109 MECH HSRG DV	.000	.000	.000	.000	.000	4.060	2.940	6.051
110 MEDICAL INST	.000	.000	.000	.000	.000	.000	.000	.000
111 PHO,FM,OPT I	.000	.000	.000	.000	.000	.000	.010	.000
112 GAMES,TOYS	.000	.000	.000	.000	.000	.276	3.833	.000
113 OTH HFG IND	.010	.481	.012	.010	.000	6.212	2.167	1.043
114 RAIL TRANS	.152	23.774	.322	5.286	9.787	6.417	21.046	9.617
115 INTERCTY HGV	.000	.000	.000	.000	.000	.000	.000	.000
116 MOTOR FRT STR	.403	27.256	5.085	30.216	21.483	26.185	41.812	41.119
117 WATER TRANS	.802	67.623	1.009	18.185	31.554	2.823	1.885	.806
118 AIR TRANS	.824	29.527	.622	38.122	2.967	3.302	1.652	8.966
119 PIPELINE TRN	.000	.000	.000	.041	.287	.000	.000	.000
120 LOC,SUB TRN	.000	.000	.000	.000	.000	.000	.000	.000
121 OTH TRAN SER	.000	3.619	.044	.718	1.711	.161	.389	.388
122 TELEP,TELEGR	.219	14.370	2.137	21.698	2.548	10.062	10.284	2.136
123 RADIO , TV	.000	.000	.000	.000	.000	.338	.034	.000
124 OTH COMMUNIC	.000	.000	.105	6.545	.000	14.991	8.419	1.446
125 GAS SERVICES	.148	13.560	.324	12.832	11.459	1.143	1.949	.417
126 ELEC SERVICES	.197	91.886	22.922	39.204	22.753	4.902	6.017	2.142
127 WATER,SANI SERV	.049	2.207	.317	5.200	6.011	7.419	2.817	.907
128 WHL AUT PT,S	.758	2.006	.764	5.345	.000	.081	3.795	.277
129 WHL GR0,RELP	.280	.000	.010	.469	.000	.040	4.379	.000
130 WHL FN PROD	2.819	.000	.014	.089	.000	.000	.000	.000
131 WHL LIVESTOC	.108	.000	.000	.000	.000	.000	.000	.000
132 WHL MAC,EQ,S	.994	30.236	10.704	143.958	.000	3.597	26.818	.000
133 WHL PET,PEIP	3.925	28.871	2.418	39.434	.000	4.858	19.432	1.514
134 GEN WHL	.578	4.823	1.104	10.887	10.867	246.898	148.254	1.489
135 LUMBER YARDS	.018	.176	.013	.164	.924	17.186	22.474	.025
136 FARM EQ DEAL	.189	.000	.462	2.156	.000	.000	1.423	.000
137 HDM,HT,E,P,M	.029	.000	.055	.360	.000	.069	8.141	.000
138 DEPT,VAR STO	.119	.000	.268	1.421	.000	.113	15.569	.000
139 FOOD STORES	.259	.000	.110	4.279	.000	.014	.752	.000
140 AUTO DEAL,RP	1.088	3.057	3.608	45.019	9.592	6.172	6.357	2.046
141 GAS SER STAT	.152	6.087	.366	2.257	.000	.562	5.596	.443
142 APPRL ACC ST	.058	.000	.000	.000	.000	.000	.000	.000
143 FURN,HH F,EQ	.065	.000	.011	.057	.000	.000	2.223	.000
144 EAT,DRINK PL	.118	.212	.076	17.234	.000	2.845	2.552	4.135
145 OTHER RETAIL	.889	3.748	.131	4.524	.000	2.611	7.751	.640
146 BANK,CRD AGE	5.129	35.338	6.867	189.454	45.429	176.395	33.125	15.736
147 INSURANCE CA	7.133	67.226	3.687	55.882	16.353	46.197	143.637	56.178
148 F.I.R.E. NEC	.450	238.048	8.472	161.754	23.948	154.391	30.911	27.153
149 LEGAL SERVIC	.229	31.480	.595	14.150	.000	12.801	10.194	1.422
150 LODGING SERV	.167	11.428	.198	18.741	.000	2.977	3.165	1.026

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 17 *	SECTOR 18 *	SECTOR 19 *	SECTOR 20 *	SECTOR 21 *	SECTOR 22 *	SECTOR 23 *	SECTOR 24 *
151 PERSONAL SER	.000	.000	.033	1.372	.000	.028	.000	.000
152 ADVERTISING	.000	.710	.190	5.961	.000	1.494	1.191	.198
153 DUPL, ADDRESS	.000	3.056	.046	1.141	.000	.123	.597	.283
154 PRI EMPL AGE	.000	.089	.018	.026	.000	.000	.000	.000
155 PHOTO SERVIC	.000	.000	.000	.000	.000	.000	.000	.000
156 RESRCH,DEVEL	.000	.000	.000	.000	.000	.058	1.433	.959
157 OTHER BUS SE	.062	30.784	5.024	34.517	.000	1725.905	8.401	82.271
158 MTN PCT,AM,R	.000	.000	.000	.000	.000	.000	.000	.000
159 AUTO RENT SE	.000	7.185	.165	10.513	.000	6.185	3.053	.184
160 AUTO PARKING	.000	.000	.000	.000	.000	.000	.000	.000
161 ELEC REP SHP	.944	.430	.097	4.350	.000	.021	1.380	.000
162 MISC REP SER	.457	.464	18.959	235.865	.000	.519	.989	.050
163 PHYS,DENT SE	.000	.761	.079	4.678	.000	.087	.012	.000
164 HOSP,LAB SER	.000	.000	.000	.007	.000	.000	.000	.000
165 OTH MED SERV	.000	.000	.000	.000	.000	.000	.000	.000
166 ED(PUB,PRI)	.574	793.026	16.295	149.619	21.077	10.309	20.480	7.585
167 COLL,UNIV	.073	325.363	8.454	71.749	23.224	3.153	16.232	5.719
168 OTH ED SERV	.000	.000	.000	.000	.000	.000	.000	.000
169 ENG,ARCH SER	.000	63.183	.979	15.996	40.263	33.553	3.813	90.363
170 COMPU,ACCT SERV	.891	14.369	1.070	49.581	8.000	16.993	9.416	3.198
171 OTH PROF SER	.000	.523	.000	.084	.000	.006	.000	.006
172 OTHER SERVIC	.000	13.604	.736	26.613	2.101	2.709	12.399	3.311
173 ORD,ORD ACCS	.000	.000	.000	.000	.000	.000	.019	.000
174 OUTDOOR REC	.000	33.485	1.203	7.651	2.508	.334	1.749	.635
175 SCRAP	.000	.000	.000	.000	.000	.123	1.555	.213
176 HOUSEHOLDS	48.082	5605.743	363.946	2338.376	403.549	2084.198	1822.538	788.681
177 PROP PAY	17.637	3380.506	1088.288	316.467	213.970	96.490	31.868	21.922
178 FEDERAL GOVT	2.170	1482.891	36.130	122.495	106.878	73.216	75.988	54.161
179 STATE GOVT	.460	893.159	4.193	24.741	71.596	3.980	17.904	5.279
180 LOCAL GOVT	.284	79.241	5.383	9.385	.000	14.533	5.392	1.584
181 DEPRECIATION	10.710	686.712	57.130	630.732	18.142	11.827	17.086	8.776
182 IMPORTS	8.455	2969.612	207.786	623.377	201.621	3367.476	1585.747	637.563
TOTAL VALUE ADDED	79.343	12128.252	1555.070	3442.196	814.135	2284.244	1970.776	880.403
TOTAL PURCHASES	158.870	21200.009	2669.101	6136.591	1588.001	9719.668	6091.420	2550.627

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	SECTOR 25 *	SECTOR 26 *	SECTOR 27 *	SECTOR 28 *	SECTOR 29 *	SECTOR 30 *	SECTOR 31 *	SECTOR 32 *
1 IRR COTTON	.000	.000	.484	.012	.092	.100	4.364	.032
2 IRR FOOD GRAIN	.000	.000	.691	.017	.131	219.365	.540	.046
3 IRR FEED GRAIN	.000	.000	.110	.000	.020	.990	10.731	.007
4 OTHER IRR CROP	.000	.000	.648	.015	.123	.357	9.910	.043
5 DRYLAND COTTON	.000	.000	.296	.008	.056	.061	1.755	.020
6 DRY FOOD GRAIN	.000	.000	.260	.006	.050	70.842	4.141	.017
7 DRY FEED GRAIN	.000	.000	.560	.014	.107	95.247	31.462	.038
8 OTHER DRY CROP	.012	.000	.258	.006	.049	.053	3.878	.017
9 RANGE LIVESTOCK	.000	.000	766.536	.034	.272	.295	11.862	.096
10 FEEDLOT LVSTK	.000	.000	1066.757	.125	.985	1.068	.608	.344
11 DAIRY	.000	.000	32.596	.027	406.717	.230	.132	.074
12 POULTRY,EX FMS	.000	.000	1.169	255.398	.101	.110	.062	.062
13 AG SUP EX FMC	.000	.000	.035	.000	.000	.064	.061	.000
14 COTTON GINNING	.000	.000	.000	.000	.000	.000	.000	.000
15 AGRI SERVICES	14.521	3.652	.000	.000	.000	.000	.000	.000
16 PRIM FORESTRY	.000	.000	.596	.015	.113	.123	.070	.040
17 FISHERIES	.000	.000	19.229	.011	.062	.068	.039	.022
18 CRUDE PETRO	.000	.000	24.722	.596	4.699	5.097	2.901	1.642
19 NATRL GAS LQDS.	.000	.000	3.853	.091	.728	.775	.489	.420
20 OIL,GAS FLOSV	.000	.000	1.066	.026	.203	.220	.125	.071
21 LIGNITE,OTH MINE	784.524	9.812	1.502	.036	.286	.309	.193	.100
22 RES CONSTRUCT	.009	.000	.000	.000	.000	.000	.000	.000
23 COMM,ED,INST	9.857	1.344	.000	.000	.000	.000	.000	.000
24 INDUS CONS	.035	.009	.000	.000	.000	.000	.000	.000
25 FACILITY CONS	7.207	5.334	.000	.000	.000	.000	.000	.000
26 MAINTEN,REPR	16.879	5.848	.000	.000	.000	.000	.000	.000
27 MEAT PRODUCTS	.028	.007	17.644	3.630	3.665	1.731	2.656	4.115
28 POULTRY PROD	.000	.000	574.196	.313	.065	.933	19.451	3.382
29 DAIRIES	.000	.000	15.932	3.646	.000	.000	22.637	.000
30 OTH GRAIN MIL	.000	.000	.816	.010	12.494	.044	.014	7.479
31 ANIMAL FEEDS	.000	.000	1.825	.118	1.434	.458	29.741	70.974
32 BAKERY PROD	.000	.000	8.921	2.445	.026	.028	44.607	.009
33 CNND,PSVP,PCK	.000	.000	.014	.000	.050	.000	.000	31.948
34 OTH FOOD PROD	.006	.000	26.662	.388	3.907	1.118	.019	.336
35 BEVERAGES	.000	.000	15.010	.234	9.966	9.228	27.381	21.739
36 TEXTILE MILL	3.671	1.362	.609	.034	.687	.732	.790	.461
37 MBWMC FURN	.063	.015	.347	.021	.068	.068	20.211	.027
38 RELATED APRRL	.000	.000	.067	.000	.000	.000	.000	.000
39 LOGGING	.000	.000	.611	.015	.116	.126	.072	.041
40 LUMBER MILLS	7.243	10.730	.151	.000	.029	.031	.018	.010
41 MILLWORK,WOOD	21.855	79.652	.879	1.946	.165	.224	.103	.065
42 WOOD FURN,FIX	7.449	15.821	.053	.000	.014	.011	.010	.017
43 MET FURN,FIXT	1.742	1.109	.007	.000	.000	.000	.000	.000
44 PAPER,PAP MIL	1.546	18.584	2.128	.047	.330	.336	.185	.537
45 PAP EX BOX,CT	2.137	1.447	5.154	1.272	1.517	12.802	.428	5.178
46 BOXES,PAP CNT	.218	1.154	62.239	.738	18.360	5.221	.221	120.042
47 NEWSPAPERS	2.140	.839	.952	.000	1.308	.395	.344	.178
48 PUBLISHING	.016	.031	.282	.012	.071	.260	.091	.075
49 PRINTING	.284	.037	.969	.011	.339	1.673	.157	.687
50 MANFLD BUS FM	1.637	.569	.259	.013	.062	.155	.070	.099

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 25 *	SECTOR 26 *	SECTOR 27 *	SECTOR 28 *	SECTOR 29 *	SECTOR 30 *	SECTOR 31 *	SECTOR 32 *
51 OTH PRNT,PUBS	.206	.183	.208	.013	.026	.079	.017	.045
52 CHLOR,ALKALIE	1.997	2.778	1.021	.102	.219	.210	2.158	.527
53 CYCCRD INT,IG	2.279	.587	2.255	.279	.484	.463	.277	.746
54 ORG CHEM	1.966	.215	9.467	.067	2.086	1.943	1.163	3.161
55 INORG CHEM	.090	.256	1.419	.042	.318	.291	1.638	.490
56 FIBERS,PLASTI	9.089	.716	2.058	.061	.442	.422	.253	.681
57 SYN RUBBER	.034	.186	.232	.007	.049	.088	.029	.077
58 DRUGS	.009	.000	.022	.000	.000	.000	.688	.020
59 AGRI CHEMICAL	.285	.072	.323	.014	.029	.031	.698	.010
60 SPS,CLNS,TOIL	.397	.099	1.194	.011	.472	.094	.046	.139
61 PAINT,VARNISH	15.196	34.939	.254	.006	.042	.045	.035	.016
62 OTH CHEMICALS	2.033	4.628	1.452	.029	.836	.243	.139	.227
63 PETRO REFING	261.837	12.206	48.037	.708	18.858	6.186	9.045	9.619
64 OTH PETRO PRD	289.914	17.838	.062	.000	.012	.013	.008	.006
65 TIRES	.931	.315	.220	.000	.032	.024	.019	.089
66 FAB RUBBER PR	1.023	5.272	.374	.009	.070	.083	.043	.025
67 PLASTIC PRODS	21.992	2.204	1.401	.035	12.440	.240	.144	1.568
68 LEATHER,L PRD	6.640	1.407	.082	.000	.027	.186	.105	.025
69 GLASS	3.726	7.253	.613	.018	.261	.261	.075	.203
70 CLAY	23.236	30.430	.013	.000	.000	.000	.000	.000
71 CUT ST,CL,SH	55.450	32.086	.343	.019	.064	.061	.410	.098
72 CEMENT,CONCRT	379.886	100.889	.291	.008	.062	.060	.036	.096
73 BLAST FURNACE	537.702	17.572	.725	.021	.166	.173	.089	.240
74 PRI STEEL,IRO	97.013	6.148	.234	.007	.052	.048	.029	.077
75 FOUNDRIES	2.316	3.541	.649	.019	.142	.143	.080	.215
76 NONFER SHELFG	3.827	.799	1.376	.041	.296	.282	.169	.455
77 AL SMLT ROL DR	41.466	39.298	1.501	.044	.364	.308	.185	.496
78 CAST,FORGINGS	.257	.353	.205	.006	.044	.042	.025	.068
79 FABRI STEEL	32.586	5.946	.499	.014	.107	.103	.062	.165
80 PLATE WORK	8.539	3.935	.209	.006	.045	.043	.025	.069
81 SH MET,ARCH	50.959	105.351	.766	.023	.164	.157	.095	.267
82 METAL DOORS	10.565	3.050	.011	.000	.000	.000	.000	.000
83 FAB MET PROD	15.375	9.212	1.406	.382	.280	.267	.155	.656
84 PLUMBING	11.489	15.132	.067	.000	.031	.014	.026	.022
85 BOLTS,NUTS,SC	8.222	4.001	.810	.024	.183	.285	.129	.268
86 ELCTPLT,CT,EN	2.182	2.991	.212	.006	.046	.044	.026	.071
87 VALVE,PIPE,FT	78.193	11.779	.811	.024	.196	.177	.100	.269
88 OTH FAB MET P	1.378	.530	.190	.000	.041	.039	.023	.064
89 FM,CONS,IND M	21.752	22.328	.017	.000	.000	.000	.000	.000
90 HTL HDL MC,EQ	.163	.041	.106	.129	.020	.022	.359	.007
91 MIN MACH,EQU	7.502	.749	.522	.013	.099	.108	.062	.035
92 ENGINES	.749	.318	.349	.008	.086	.072	.041	.023
93 METAL WK MACH	1.096	2.211	.230	.000	.044	.047	.027	.015
94 IND PROC MACH	.125	.032	.650	.009	1.777	.061	.565	.154
95 GEN IND MACH	4.596	.786	.862	.020	.167	.176	.101	.059
96 REFRIG MACH	14.182	7.400	.071	.000	.048	.015	.008	.012
97 COMPU,ACST MACH	38.918	28.841	1.340	.040	.287	.275	.165	.443
98 ELEC INST,AP	26.874	150.517	.517	.011	.066	.091	.038	.000
99 ELEC HSLD EQ	2.476	.360	.000	.000	.000	.000	.000	.000
100 ELEC COMM EQ	.381	.098	.449	.014	.097	.093	.055	.148

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 25 *	* SECTOR 26 *	* SECTOR 27 *	* SECTOR 28 *	* SECTOR 29 *	* SECTOR 30 *	* SECTOR 31 *	* SECTOR 32 *
101 OTH ELEC APP	.000	.000	.473	.014	.124	.095	.059	.159
102 AIRCRAFT	.000	.000	.035	.000	.007	.007	.000	.000
103 AIRCRAFT ENG	.000	.000	.000	.000	.000	.000	.000	.000
104 OTH AIRCRAFT	.000	.000	.026	.000	.000	.000	.000	.000
105 MOTOR VHCL,P	5.859	3.650	.121	.000	.060	.018	.027	.165
106 SHIP,BT BLDG	.000	.000	.009	.000	.000	.000	.000	.000
107 OTH TRANS EQ	.016	.000	.090	.000	.017	.018	.011	.006
108 SCIENTIF INS	.000	.000	.030	.000	.007	.006	.000	.010
109 MECH MSR6 DV	3.382	2.060	.088	.000	.019	.018	.011	.029
110 MEDICAL INST	.000	.000	.081	.006	.013	.012	.008	.029
111 PHO, TM, OPT I	.000	.000	.015	.000	.009	.000	.000	.000
112 GAMES, TOYS	.465	.120	.000	.000	.000	.000	.000	.000
113 OTH MFG IND	2.938	1.356	7.770	.014	.120	.064	.073	1.740
114 RAIL TRANS	48.013	5.894	.742	.050	2.386	12.376	1.938	2.251
115 INTERCTY HGY	.000	.000	.000	.000	.000	.361	.000	.000
116 MOTOR FRT STR	151.327	21.851	85.152	7.351	11.108	17.188	13.340	3.251
117 WATER TRANS	12.841	1.264	.376	.033	1.568	.359	.159	.079
118 AIR TRANS	8.237	2.824	.848	.055	.571	.739	.237	.445
119 PIPELINE TRN	.000	.000	.481	.042	2.006	.064	.203	.102
120 LOC,SUB TRAN	.000	.000	.000	.000	.000	.000	.000	.000
121 OTH TRAN SER	.455	.032	1.470	3.215	.264	4.585	26.311	1.887
122 TELEP, TELEGR	25.152	6.696	7.731	.399	2.470	2.152	1.679	2.400
123 RADIO, TV	.403	.165	23.575	.109	3.017	3.355	.860	4.769
124 OTH COMMUNIC	13.740	2.211	.018	.000	.017	.000	.000	.006
125 GAS SERVICES	6.823	1.863	14.707	2.090	8.096	4.842	2.494	3.795
126 ELEC SERVICES	26.703	6.123	21.556	3.302	14.195	12.993	6.633	7.571
127 WATER,SANI SERV	18.900	2.201	6.436	1.299	1.988	.721	2.796	1.834
128 WHL AUT PT,S	25.045	.866	.634	.014	1.460	.020	.049	.288
129 WHL GRO,REL P	2.532	.102	108.272	22.636	61.511	.009	7.322	13.446
130 WHL FM PROD	.502	.000	1.852	.715	7.719	71.229	8.453	3.941
131 WHL LIVESTOC	.000	.000	23.039	.000	.043	.000	.659	.033
132 WHL MAC, EQ,S	29.443	3.148	4.095	.365	3.565	.086	.410	1.277
133 WHL PET,PETP	84.852	7.372	2.422	.194	3.978	.016	1.481	1.362
134 GEN WHL	192.226	108.430	17.825	1.036	15.192	5.161	7.846	23.757
135 LUMBER YARDS	17.280	9.354	.029	.082	.008	.000	.118	.076
136 FARM EQ DEAL	1.718	.115	.000	.008	.086	.000	.057	.039
137 HDW,HT,E,P,W	11.875	4.593	.077	.000	.060	.000	.000	.124
138 DEPT,VAR STO	24.598	3.459	2.444	.057	.101	.016	2.550	5.124
139 FOOD STORES	1.012	.131	22.411	1.203	4.170	.009	1.985	5.136
140 AUTO DEAL,RP	45.953	10.111	8.419	.351	8.471	2.530	7.105	5.013
141 GAS SER STAT	37.989	3.995	1.285	.028	1.525	.294	.122	1.213
142 APPRL ACC ST	.000	.000	.086	.000	.000	.000	1.990	.206
143 FURN, HM F, EQ	4.148	.602	.076	.014	.000	.000	.279	.167
144 EAT, DRINK PL	4.917	1.624	64.913	.271	2.412	.170	3.349	3.600
145 OTHER RETAIL	14.624	4.912	3.559	.122	.163	.020	.488	5.668
146 BANK, CRD AGE	274.204	31.126	25.162	2.165	3.555	.903	9.596	.610
147 INSURANCE CA	200.588	41.058	29.483	.602	4.593	2.587	6.465	4.754
148 F.I.R.E. NEC	245.499	53.367	6.746	.069	5.760	.247	1.086	5.576
149 LEGAL SERVIC	18.423	9.740	3.109	.084	1.075	.391	1.214	.665
150 LODGING SERV	5.724	2.751	1.149	.019	.591	.375	.341	.693

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 25 *	SECTOR 26 *	SECTOR 27 *	SECTOR 28 *	SECTOR 29 *	SECTOR 30 *	SECTOR 31 *	SECTOR 32 *
151 PERSONAL SER	.261	.231	2.965	.031	.381	.000	.010	.061
152 ADVERTISING	2.155	1.683	1.021	.011	1.409	6.795	.366	1.448
153 DUPL. ADDRESS	.381	.032	.000	.000	.000	.000	.000	.000
154 PRI EMPL AGE	.000	.000	.022	.000	.103	.000	.010	.000
155 PHOTO SERVIC	.000	.000	.050	.000	.228	.007	.021	.011
156 RESRCH, DEVEL	1.990	.511	.434	.006	.285	.009	.131	.047
157 OTHER BUS SE	127.460	28.646	1.731	.264	1.300	1.132	.490	2.483
158 MTN PCT, AM, R	.000	.000	.000	.012	.955	.000	.000	.077
159 AUTO RENT SE	23.175	3.352	1.835	.053	.955	16.582	.355	5.174
160 AUTO PARKING	.000	.000	.000	.000	.000	.000	.000	.000
161 ELEC REP SHP	.029	.000	.469	.010	.193	.000	.134	.091
162 MISC REP SER	23.607	3.817	7.060	.696	.733	1.895	12.676	6.563
163 PHYS. DENT SE	.075	.013	.025	.000	.041	.000	.000	.019
164 HOSP, LAB SER	.000	.000	.705	.000	.081	.000	.000	.073
165 OTH MED SERV	.000	.000	1.139	.000	.034	.000	.000	.000
166 ED (PUB, PRI)	27.198	8.405	.871	.078	2.115	3.968	.469	.323
167 COLL, UNIV	11.487	5.204	.489	.056	.996	1.364	.407	.134
168 OTH ED SERV	.000	.000	.000	.000	.000	.000	.000	.033
169 ENG, ARCH SER	46.029	4.913	.356	.015	.787	.023	.073	.043
170 COMPU, ACCT SERV	22.252	9.380	5.633	.347	1.177	.929	.521	4.591
171 OTH PROF SER	.008	.000	1.456	.000	.014	.000	.000	.000
172 OTHER SERVICE	12.097	6.905	.835	.079	1.708	.025	.090	.035
173 ORD, ORD ACCS	.000	.000	.000	.000	.000	.000	.000	.000
174 OUTDOOR REC	1.211	.522	.066	.000	.101	.093	.034	.030
175 SCRAP	.553	.050	.118	.011	.493	.016	.050	.025
176 HOUSEHOLDS	2603.485	1330.734	481.700	57.598	150.829	123.614	100.732	212.421
177 PROP PAY	165.291	23.908	30.319	5.850	36.753	155.675	26.359	30.560
178 FEDERAL GOVT	236.061	77.980	36.004	9.135	27.339	16.427	2.706	10.049
179 STATE GOVT	10.467	15.176	2.883	.095	2.634	1.388	1.036	.094
180 LOCAL GOVT	16.433	1.926	2.470	.251	2.685	2.945	1.721	18.204
181 DEPRECIATION	309.775	26.580	62.697	5.647	21.234	28.418	19.755	24.171
182 IMPORTS	1897.585	808.051	1377.240	102.040	190.213	238.785	292.963	154.916
TOTAL VALUE ADDED	3341.512	1476.304	616.073	78.576	241.474	328.467	152.309	295.499
TOTAL PURCHASES	10089.649	3568.419	5262.755	503.906	1130.050	1199.356	853.125	877.745

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 33 *	SECTOR 34 *	SECTOR 35 *	SECTOR 36 *	SECTOR 37 *	SECTOR 38 *	SECTOR 39 *	SECTOR 40 *
1 IRR COTTON	.135	37.317	.202	47.786	.068	.014	.000	.000
2 IRR FOOD GRAIN	.192	12.054	.288	.000	.096	.020	.000	.000
3 IRR FEED GRAIN	.029	.032	.083	.000	.015	.000	.000	.000
4 OTHER IRR CROP	156.092	39.389	.305	.000	.090	.019	.000	.000
5 DRYLAND COTTON	.082	29.746	.123	13.693	.041	.009	.000	.000
6 DRY FOOD GRAIN	.072	.079	.108	.000	.036	.008	.000	.000
7 DRY FEED GRAIN	.155	.172	2.479	.000	.078	.017	.000	.000
8 OTHER DRY CROP	28.923	25.348	.112	.000	.036	.008	.000	.000
9 RANGE LIVESTOCK	.397	.438	.595	6.125	.200	.042	.008	.011
10 FEEDLOT LVSTK	1.438	1.585	2.155	.551	.723	.152	.028	.039
11 DAIRY	.310	.342	.465	.006	.156	.033	.006	.009
12 POULTRY,EGGS	.148	.214	.222	.000	.074	.016	.000	.000
13 AG SUP EX FMC	.000	.000	.000	.000	.000	.000	.000	.000
14 COTTON GINNING	.000	.000	.000	.000	.000	.000	.000	.000
15 AGRY SERVICES	.000	.000	.000	.000	.000	.000	.000	.000
16 PRIM FORESTRY	.165	.182	.248	.000	.083	.018	.000	.000
17 FISHERIES	82.272	.111	.137	.000	.046	.010	.000	37.613
18 CRUDE PETRO	6.865	7.565	10.285	.126	3.450	.729	.136	.186
19 NATRL GAS LQDS.	1.077	1.543	1.604	.019	.556	.111	.021	.028
20 OIL,GAS FLDSV	.296	.327	.444	.006	.149	.031	.006	.008
21 LIGNITE,OTH MINE	.417	.459	.634	.007	.210	.076	.008	.011
22 RES CONSTRUCT	.000	.000	.000	.000	.000	.000	.000	.000
23 COMM,ED,INST	.000	.000	.000	.000	.000	.000	.000	.000
24 INDUS CONS	.000	.000	.000	.000	.000	.000	.000	.000
25 FACILITY CONS	.000	.000	.062	.000	.000	.000	.000	.000
26 MAINTEN,REPR	8.274	8.016	7.734	.846	2.034	.738	5.687	11.072
27 HEAT PRODUCTS	2.254	23.023	.144	.011	.048	.010	.000	.000
28 POULTRY PROD	.079	.007	.008	.000	.000	.000	.000	.000
29 DAIRIES	.668	7.558	.048	.000	.016	.000	.000	.000
30 OTH GRAIN MIL	24.093	34.570	3.238	.000	.121	.025	.005	.007
31 ANIMAL FEEDS	.038	.153	.056	.000	.019	.000	.000	.000
32 BAKERY PROD	.006	.159	.038	.000	.000	.000	.000	.000
33 CMND,PSVP,PCK	.087	1.021	1.726	.000	.010	.000	.000	.000
34 OTH FOOD PROD	2.348	34.695	230.099	.000	.047	.010	.000	.000
35 BEVERAGES	.523	1.074	69.196	.000	.077	.016	.000	.000
36 TEXTILE MILL	.115	.265	.149	15.407	65.767	3.559	.000	.000
37 MBWMC FURN	.007	.008	.011	.000	4.469	.045	.000	.000
38 RELATED APRRL	.019	.092	.081	.000	.861	2.085	.000	.000
39 LOGGING	.170	.187	.255	.000	.085	.018	68.494	12.945
40 LUMBER MILLS	.042	.046	.063	.000	.021	.000	.000	14.012
41 MILLWORK,WOOD	.259	.462	10.568	.000	.295	15.384	.005	2.891
42 WOOD FURN,FX	.015	.024	.049	.000	.048	.008	.000	.000
43 MET FURN,FXIT	.000	.000	.007	.000	.000	.000	.000	.000
44 PAPER,PAP,MIL	5.589	2.335	1.387	.036	.590	.086	.009	.012
45 PAP EX BOX,CT	1.847	16.386	.979	.874	.461	1.093	.000	.000
46 BOXES,PAP CNT	31.933	25.009	34.238	.070	4.620	.057	.008	1.152
47 NEWSPAPERS	.263	.150	1.391	.021	.701	.081	.000	.000
48 PUBLISHING	.640	.073	2.939	.440	6.356	.308	.000	.043
49 PRINTING	.401	.538	8.058	.009	.452	.017	.000	.000
50 MANFLD BUS FM	.033	.067	.127	.009	.023	.009	.000	.000

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 33 *	* SECTOR 34 *	* SECTOR 35 *	* SECTOR 36 *	* SECTOR 37 *	* SECTOR 38 *	* SECTOR 39 *	* SECTOR 40 *
51 OTH PRNT,PUBS	.071	.109	.384	.182	.347	.033	.000	.000
52 CHLOR,ALKALIE	.334	.327	6.920	.025	.161	.047	.006	.008
53 CYCCRD INT,IG	.634	.730	2.069	.055	.337	.104	.014	.017
54 ORG. CHEM	2.650	3.662	8.755	1.430	1.431	.736	.057	.071
55 INORG CHEM	.399	.536	1.308	.035	.237	.066	.009	.011
56 FIBERS,PLASTI	.575	.658	2.064	.050	.307	.682	.012	.015
57 SYN RUBBER	.065	.074	.213	1.505	.035	.011	.000	.000
58 DRUGS	1.345	.007	.012	.000	.098	.000	.000	.000
59 AGRIC CHEMICAL	.089	.118	.070	.000	.021	.000	.000	.000
60 SPS,CLNS,TOIL	.114	.376	.762	.063	.218	.028	.000	.000
61 PAINT,VARNISH	.060	.087	.090	.000	.030	.007	.000	.000
62 OTH CHEMICALS	1.024	1.288	.665	.015	.179	.035	.007	.009
63 PETRO REFING	7.216	8.515	33.692	.614	5.798	1.874	.115	.158
64 OTH PETRO PRD	.017	.037	.057	.000	.009	.000	.000	.000
65 TIRES	.078	.065	.057	.000	.016	.010	.000	.000
66 FAB RUBBER PR	.105	.113	3.920	.000	.073	.016	.000	.000
67 PLASTIC PRODS	.340	4.030	8.252	.029	.188	.054	.007	.009
68 LEATHER,L PRD	.121	.026	.132	.000	.773	.110	.000	.000
69 GLASS	60.383	5.534	130.337	.015	.092	.028	.000	.000
70 CLAY	.000	.000	.012	.000	.000	.000	.000	.000
71 CUT ST,CL,SH	.087	.495	.415	.007	.091	.014	.000	.000
72 CEMENT,CONCRT	.082	.093	.267	.007	.043	.014	.000	.000
73 BLAST FURNACE	.294	.369	.674	.029	.184	.056	.000	.006
74 PRI STEEL,IRO	.065	.076	.216	.006	.037	.011	.000	.000
75 FOUNDRIES	.181	.207	.595	.016	.097	.030	.000	.000
76 NONFER SMELTG	.385	.440	1.262	.440	.206	.064	.008	.010
77 AL SHLT ROL DR	.419	.480	1.376	.037	.282	11.585	.009	.011
78 CAST,FRGINGS	.057	.066	.188	.000	.031	.010	.000	.000
79 FABRI STEEL	.139	.159	.458	.012	.074	.023	.000	.000
80 PLATE WORK	.059	.067	.323	.000	.010	.010	.000	.000
81 SH MET,ARCH	.214	.245	.703	.019	.115	.036	.005	.006
82 METAL DOORS	.000	.000	.010	.000	.000	.000	.000	.000
83 FAB MET PROD	29.402	.460	335.671	.630	.424	.063	.008	.009
84 PLUMBING	.019	.021	.084	.000	.010	.000	.000	.000
85 BOLTS,NUTS,SC	1.004	.259	10.445	.020	.121	11.431	.005	.006
86 ELCTPLT,CT,EN	.059	.068	.195	.000	.032	.010	.000	.000
87 VALVE,PIPE FT	.254	.260	.787	.020	.121	.037	.005	.006
88 OTH FAB MET P	45.244	.075	.547	.000	.028	.009	.000	.000
89 FM,CONS,IND M	.020	.000	.006	.000	.000	.000	.000	.000
90 MTL HDL HC,EQ	.029	.032	.044	.000	.015	.000	.000	.075
91 MIN MACH,EQUIP	.145	.160	.218	.000	.073	.015	.000	.000
92 ENGINES	.097	.107	.146	.000	.049	.010	.000	.000
93 METAL WK MACH	.064	.070	.096	.000	.032	.007	.000	.000
94 IND PROC MACH	.597	.240	3.823	.047	.313	.008	.000	2.790
95 GEN IND MACH	.266	.278	.356	.010	.119	.362	.005	.006
96 REFRIG MACH	.020	.043	.342	.000	.052	.000	.000	.000
97 COMPU,ACCT MACH	.375	.455	1.401	.033	.200	.184	.008	.010
98 ELEC INST,AP	.120	.150	.305	.084	.307	.029	.000	.000
99 ELEC HSLD EQ	.000	.000	.000	.000	.000	.000	.000	.000
100 ELEC COMM EQ	.126	.417	.143	.011	.154	.039	.000	.000

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 33 *	* SECTOR 34 *	* SECTOR 35 *	* SECTOR 36 *	* SECTOR 37 *	* SECTOR 38 *	* SECTOR 39 *	* SECTOR 40 *
101 OTH ELEC APP	.130	.148	.433	.012	.070	.022	.000	.000
102 AIRCRAFT	.010	.011	.015	.000	.000	.000	.000	.000
103 AIRCRAFT ENG	.000	.000	.000	.000	.000	.000	.000	.000
104 OTH AIRCRAFT	.007	.008	.011	.000	.000	.000	.000	.000
105 MOTOR VHCL,P	.063	.273	.045	.009	.023	.059	.000	.000
106 SHIP,BT BLDG	.000	.000	.000	.000	.000	.000	.000	.000
107 OTH TRANS EQ	.025	.027	.038	.000	.013	.000	.000	.000
108 SCIENTIF INS	.009	.010	.028	.000	.000	.000	.000	.000
109 MECH HSRG DV	.025	.040	.081	.000	.013	.000	.000	.000
110 MEDICAL INST	.102	.097	.443	.000	.027	.000	.000	.000
111 PHO,TH,OPT I	.000	.007	.014	.000	.000	.000	.000	.000
112 GAMES,TOYS	.000	.000	.000	.000	.197	.000	.000	.000
113 OTH HFG IND	.927	.540	2.113	.038	14.117	.079	.000	.000
114 RAIL TRANS	.607	21.916	2.519	.598	3.706	1.298	.024	.015
115 INTERCTY HGV	.000	.011	.000	.000	.000	.000	.000	.000
116 MOTOR FRT STR	10.733	23.834	7.279	1.345	17.105	3.275	1.380	1.049
117 WATER TRANS	.376	2.115	.477	.000	2.424	.447	.016	.223
118 AIR TRANS	.484	.607	1.773	.648	2.428	.418	.007	.099
119 PIPELINE TRN	.481	.488	.201	.000	3.070	.549	.021	.012
120 LOC,SUB TRAN	.000	.000	.000	.120	.000	.000	.000	.000
121 OTH TRAN SER	.063	.224	1.407	.000	4.537	.116	.000	.000
122 TELEP,TELEGR	1.614	1.588	3.937	.818	4.531	1.060	.163	.306
123 RADIO , TV	.113	.989	24.101	.006	.267	.232	.009	.017
124 OTH COMMUNIC	.006	.000	1.043	.000	.013	.007	.000	.000
125 GAS SERVICES	11.390	21.536	12.453	2.565	12.241	1.987	.081	1.065
126 ELEC SERVICES	6.958	15.807	19.330	14.293	20.055	2.663	.240	4.239
127 WATER,SANI SERV	2.650	3.370	5.023	1.188	2.890	.410	.021	.201
128 WHL AUT PT,S	.165	.502	.604	.000	.264	.134	.393	1.406
129 WHL GRO,RELP	5.984	3.905	35.472	.015	.379	.071	.000	.021
130 WHL FM PROD	1.170	2.128	.623	2.202	1.195	.220	.008	.000
131 WHL LIVESTOC	.010	.011	.000	.000	.064	.012	.000	.000
132 WHL HAC,Eq,S	6.422	2.181	.506	.369	4.989	1.911	1.836	4.871
133 WHL PET,PETP	.508	1.208	3.960	.171	2.160	.247	1.914	.023
134 GEN WHL	21.910	8.890	10.224	.128	14.956	5.028	13.360	15.262
135 LUMBER YARDS	.122	.048	.081	.007	.548	.000	.675	.329
136 FARM EQ DEAL	.119	.009	.020	.000	.052	.000	.421	.146
137 HDW,HT,E,P,W	1.587	.017	.025	.000	.060	.017	.482	.257
138 DEPT,VAR STO	3.797	.411	1.038	.000	.017	.098	1.487	.780
139 FOOD STORES	.262	1.839	13.724	.000	.027	.031	.000	.030
140 AUTO DEAL,RP	.397	.869	8.640	.142	1.237	.325	1.581	1.256
141 GAS SER STAT	.153	.283	1.300	.103	.442	.104	.538	.316
142 APPRL ACC ST	.009	.014	.056	.000	.005	.021	.000	.000
143 FURN,HH F,Eq	.628	.015	.014	.000	.000	.014	4.219	1.658
144 EAT,DRINK PL	.353	1.156	16.828	.121	1.904	.190	.041	.044
145 OTHER RETAIL	1.071	.621	1.852	.108	.175	.117	6.272	.122
146 BANK,CRD AGE	3.170	3.880	4.742	1.780	12.279	17.568	1.681	1.499
147 INSURANCE CA	1.845	1.849	14.989	2.761	7.128	2.615	3.906	4.597
148 F.I.R.E. NEC	3.966	3.153	39.652	.312	65.349	2.609	.435	.243
149 LEGAL SERVIC	1.469	2.713	2.117	.448	3.414	.579	.071	.066
150 LODGING SERV	.604	.860	1.411	.464	1.394	.146	.032	.050

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 33 *	SECTOR 34 *	SECTOR 35 *	SECTOR 36 *	SECTOR 37 *	SECTOR 38 *	SECTOR 39 *	SECTOR 40 *
151 PERSONAL SER	.139	.287	.032	.000	.140	.033	.099	.186
152 ADVERTISING	.631	7.022	78.600	.120	1.717	.190	.011	.020
153 DUPL, ADDRESS	.000	.027	.000	.000	.006	.013	.000	.000
154 PRI EMPL AGE	.059	.041	.010	.000	.141	.026	.000	.000
155 PHOTO SERVIC	.051	.051	.021	.000	.351	.058	.000	.000
156 RESRCH, DEVEL	.069	.199	.029	.466	1.070	.078	.000	.000
157 OTHER BUS SE	1.167	1.650	1.292	.017	7.799	.371	.586	.029
158 MTN PCT, AM, R	.000	.000	.000	.000	.146	.269	.000	.000
159 AUTO RENT SE	3.901	1.054	2.360	.921	1.664	.215	.077	.507
160 AUTO PARKING	.000	.000	.000	.000	.000	.000	.000	.000
161 ELEC REP SHP	.038	.354	.037	.000	.044	.008	.032	.059
162 MISC REP SER	3.300	3.798	13.137	1.258	4.039	.205	9.261	.728
163 PHYS, DENT SE	.000	.636	.014	.000	.035	.000	.000	.000
164 HOSP, LAB SER	.000	.000	.011	.000	.016	.000	.000	.000
165 OTH MED SERV	.000	.000	.014	.000	.019	.000	.000	.000
166 ED (PUB, PRI)	1.801	3.806	14.101	2.285	12.830	1.217	.015	.009
167 COLL, UNIV	.583	1.075	10.530	.342	2.924	.414	.007	.000
168 OTH ED SERV	.000	.009	.042	.000	.000	.000	.000	.000
169 ENG, ARCH SER	.172	.356	.072	.000	3.734	.196	.007	.007
170 COMPU, ACCT SERV	.395	2.580	.427	4.696	3.550	.737	.229	.039
171 OTH PROF SER	.000	.336	.135	.000	.012	.000	.000	.000
172 OTHER SERVIC	.120	.255	.805	.133	3.639	.460	.000	.000
173 ORD, ORD ACCS	.000	.000	.000	.000	.000	.000	.000	.000
174 OUTDOOR REC	.044	.103	1.154	.075	.669	.036	.000	.000
175 SCRAP	.119	.120	.050	.000	.734	.135	.000	.000
176 HOUSEHOLDS	90.883	227.321	236.788	99.209	667.647	87.928	45.137	61.696
177 PROP PAY	59.245	383.337	94.272	10.259	66.886	21.180	4.678	10.219
178 FEDERAL GOVT	41.611	331.319	164.017	22.144	90.704	6.759	9.234	3.353
179 STATE GOVT	1.106	5.450	13.401	.352	5.604	.252	1.351	.079
180 LOCAL GOVT	3.810	2.793	7.883	1.105	4.513	.624	.148	.586
181 DEPRECIATION	6.562	26.979	100.647	4.679	26.021	2.951	13.172	6.536
182 IMPORTS	265.601	1812.753	486.247	116.816	914.864	133.555	25.429	166.630
TOTAL VALUE ADDED	203.217	977.199	617.008	137.748	861.375	119.694	73.720	82.469
TOTAL PURCHASES	1088.072	3288.550	2421.051	386.144	2134.122	363.349	236.053	374.157

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 41 *	* SECTOR 42 *	* SECTOR 43 *	* SECTOR 44 *	* SECTOR 45 *	* SECTOR 46 *	* SECTOR 47 *	* SECTOR 48 *
1 IRR COTTON	.213	.495	.009	.030	.029	.014	.526	.009
2 IRR FOOD GRAIN	.304	.706	.013	.042	.041	.020	.749	.012
3 IRR FEED GRAIN	.046	.107	.000	.006	.006	.000	.113	.000
4 OTHER IRR CROP	.285	.662	.012	.040	.038	.019	.703	.011
5 DRYLAND COTTON	.130	.303	.005	.018	.018	.008	.322	.000
6 DRY FOOD GRAIN	.114	.266	.000	.016	.015	.007	.282	.000
7 DRY FEED GRAIN	.247	.573	.010	.034	.033	.016	.608	.010
8 OTHER DRY CROP	.114	.264	.000	.016	.015	.007	.280	.000
9 RANGE LIVESTOCK	.630	1.462	.026	.088	.085	.041	1.553	.026
10 FEEDLOT LVSTK	2.278	5.291	.094	.317	.307	.148	5.618	.092
11 DAIRY	.492	1.142	.020	.068	.066	.032	1.212	.020
12 POULTRY,EGGS	.235	.594	.009	.032	.031	.015	.578	.009
13 AG SUP EX FMC	.000	.000	.000	.399	.000	.000	.000	.000
14 COTTON GINNING	.000	.000	.000	.000	.000	.000	.000	.000
15 AGRI SERVICES	.000	.000	.000	.000	.000	.000	.000	.000
16 PRIM FORESTRY	218.386	.609	.011	30.639	.035	.017	.647	.011
17 FISHERIES	.144	.335	.006	.020	.019	.009	.356	.006
18 CRUDE PETRO	10.875	25.256	.446	1.514	1.468	.706	26.815	.441
19 NATRL GAS LQDS.	1.653	3.838	.069	.230	.223	.107	4.075	.067
20 OIL,GAS FLDSV	.469	1.090	.019	.065	.063	.030	1.157	.019
21 LIGNITE,OTH MINE	.661	1.534	.027	1.324	.089	.043	1.629	.027
22 RES CONSTRUCT	.000	.000	.000	.000	.000	.000	.000	.000
23 COMM,ED,INST	.000	.000	.000	.000	.000	.000	.000	.000
24 INDUS CONS	.000	.000	.000	.000	.000	.000	.000	.000
25 FACILITY CONS	.000	.000	.000	.000	.000	.000	.000	.000
26 MAINTEN,REPR	17.995	9.127	.280	12.901	5.971	8.330	10.219	.909
27 MEAT PRODUCTS	.152	.352	.006	.021	.021	.009	.374	.006
28 POULTRY PROD	.009	.021	.000	.000	.000	.000	.000	.000
29 DAIRIES	.051	.118	.000	.007	.007	.000	.125	.000
30 OTH GRAIN MIL	.383	.888	.016	.053	.052	.025	.944	.016
31 ANIMAL FEEDS	.060	.139	.000	.008	.008	.000	.147	.000
32 BAKERY PROD	.006	.013	.000	.000	.000	.000	.014	.000
33 CNND,PSVP,PCK	.030	.070	.000	.000	.000	.000	.074	.000
34 OTH FOOD PROD	.149	.346	.006	.020	.020	.010	.367	.006
35 BEVERAGES	.243	.563	.010	.034	.033	.016	.599	.010
36 TEXTILE MILL	.146	5.700	.911	.020	.020	.009	.401	.067
37 MBWMC FURN	.011	.026	.000	.000	.000	.000	.028	.000
38 RELATED APRRL	.030	.069	.000	.000	.000	.000	.074	.000
39 LOGGING	60.991	.625	.011	20.206	.037	.018	.663	.011
40 LUMBER MILLS	22.717	2.063	.069	10.853	.009	.000	.164	.000
41 MILLWORK,WOOD	27.037	3.893	1.504	.051	.377	.024	.902	.077
42 WOOD FURN,FIX	.024	.055	.000	.000	.000	.000	.059	.022
43 MET FURN,FIXT	.000	.000	.000	.000	.000	.000	.008	.000
44 PAPER,PAP MIL	1.067	1.558	.028	.091	.000	.99.477	31.703	.013
45 PAP EX BOX,CT	.526	.945	.011	.229	.000	.022	1.686	.019
46 BOXES,PAP CNT	.681	1.285	1.424	.075	6.208	.046	1.379	.022
47 NEWSPAPERS	.525	.218	.019	.008	.044	.000	.182	.091
48 PUBLISHING	.232	.236	.006	.076	.037	.008	.315	.13.495
49 PRINTING	.195	.404	.007	.022	.025	.013	7.242	39.033
50 MANFLD BUS FM	.049	.113	.008	.007	.008	.000	.597	.073

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 41 *	* SECTOR 42 *	* SECTOR 43 *	* SECTOR 44 *	* SECTOR 45 *	* SECTOR 46 *	* SECTOR 47 *	* SECTOR 48 *
51 OTH PRNT,PUBS	.729	.095	.029	.006	.006	.000	1.971	4.075
52 CHLOR,ALKALIE	.465	1.059	.019	2.143	.070	.038	1.136	.018
53 CYCCRD INT,IG	1.026	2.337	.043	.138	.717	.084	2.510	.049
54 ORG CHEM	14.286	9.809	.181	.577	.652	2.669	10.524	.176
55 INORG CHEM	3.110	1.471	.027	8.172	.589	14.672	1.643	.027
56 FIBERS,PLASTI	2.416	9.060	.040	.126	.142	.077	2.291	.050
57 SYN RUBBER	.105	.240	.000	.014	.016	.009	.258	.000
58 DRUGS	.010	.023	.000	.000	.000	.000	.025	.000
59 AGRI CHEMICAL	.065	.152	.000	.009	.009	.000	.161	.000
60 SPS,CLNS,TOIL	.132	.307	.005	.018	.018	.009	.342	.020
61 PAINT+VARNISH	.691	2.227	1.883	2.490	.013	3.661	.236	.008
62 OTH CHEMICALS	35.501	2.689	.021	1.789	4.048	2.864	2.734	.123
63 PETRO REFING	9.243	21.465	.464	1.287	1.248	.600	24.253	2.417
64 OTH PETRO PRD	.027	.064	.000	.000	.000	.000	.067	.000
65 TIRES	.051	.118	.000	.007	.007	.000	.134	.009
66 FAB RUBBER PR	.162	.376	.007	.023	.022	.011	.399	.007
67 PLASTIC PRODS	9.739	15.909	.022	.071	.081	.044	1.461	.021
68 LEATHER,L PRD	.034	.077	.000	.000	.000	.000	.082	.075
69 GLASS	.401	.635	.074	.037	.042	.023	.681	.011
70 CLAY	.006	.014	.000	.000	.000	.000	.015	.000
71 CUT ST,CL,SH	.136	.309	.006	.018	.021	.011	.332	.010
72 CEMENT,CONCRT	.132	.302	.005	.018	.020	.011	.323	.005
73 BLAST FURNACE	.330	.751	3.092	.044	.050	.027	.806	.013
74 PRI STEEL,IRO	.118	.242	1.844	.014	.056	.214	.260	.000
75 FOUNDRIES	.295	.672	.013	.040	.045	.024	.722	.012
76 NONFER SMELTG	.626	1.426	.026	.084	.095	.051	1.529	.025
77 AL SMLT ROL DR	3.128	8.699	3.145	.092	.103	.056	1.668	.038
78 CAST,FORGINGS	.093	.212	.000	.013	.014	.008	.228	.000
79 FABRI STEEL	.227	2.156	.010	.030	.034	.018	.651	.020
80 PLATE WORK	.095	.217	.000	.013	.014	.008	.233	.000
81 SH MET,ARCH	.348	1.084	.754	.047	.053	.028	.851	.013
82 METAL DOORS	.000	.011	.000	.000	.000	.000	.012	.000
83 FAB MET PROD	1.605	1.275	.024	.075	.084	.046	1.371	.031
84 PLUMBING	.030	.069	.000	.000	.000	.000	.097	.020
85 BOLTS,NUTS,SC	1.841	1.422	1.014	.049	.056	.030	1.279	.068
86 ELCTPLT,CT,EN	.097	.220	.000	.013	.015	.008	.236	.000
87 VALVE,PIPE FT	.369	.841	.016	.049	.056	.030	.902	.072
88 OTH FAB MET P	.278	.766	.000	.012	.013	.007	.212	.011
89 FM,CONS,IND M	.006	.014	.000	.000	.000	.000	.015	.000
90 HTL HDL MC,EQ	.209	.183	.000	.006	.006	1.245	.115	.000
91 MIN MACH,EQUP	.230	.533	.010	.032	.031	.015	.566	.009
92 ENGINES	.154	.357	.006	.021	.021	.010	.380	.006
93 METAL WK MACH	.101	.235	.047	.014	.014	.007	.250	.000
94 IND PROC MACH	4.203	.262	.006	6.850	1.527	11.777	.427	.169
95 GEN IND MACH	12.749	.872	.017	1.547	.497	.024	.926	.015
96 REFRIG MACH	.031	.072	.000	.000	.000	.000	.077	.000
97 COMPU,ACCT MACH	.610	1.389	.025	.082	.092	.050	1.490	.024
98 ELEC INST,AP	.140	.319	.006	.019	.021	.011	.342	.000
99 ELEC HSLO EQ	.000	.000	.000	.000	.000	.000	.000	.000
100 ELEC COMM EQ	.204	.466	.009	.028	.031	.017	.508	.023

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 41 *	SECTOR 42 *	SECTOR 43 *	SECTOR 44 *	SECTOR 45 *	SECTOR 46 *	SECTOR 47 *	SECTOR 48 *
101 OTH ELEC APP	.245	.481	.009	.028	.032	.018	.515	.023
102 AIRCRAFT	.016	.036	.000	.000	.000	.000	.038	.000
103 AIRCRAFT ENG	.000	.000	.000	.000	.000	.000	.000	.000
104 OTH AIRCRAFT	.012	.027	.000	.000	.000	.000	.028	.000
105 MOTOR VHCL,P	.031	.072	.000	.000	.000	.000	.077	.058
106 SHIP,BT BLDG	.000	.009	.000	.000	.000	.000	.010	.000
107 OTH TRANS EQ	.039	.092	.000	.006	.000	.000	.098	.000
108 SCIENTIF INS	.014	.031	.000	.000	.000	.000	.034	.000
109 MECH HSRG DV	.040	.091	.000	.000	.006	.000	.098	.000
110 MEDICAL INST	.027	.060	.000	.000	.000	.000	.064	.000
111 PHO, TM, OPT I	.007	.015	.000	.000	.000	.000	.233	.000
112 GAMES, TOYS	.000	.000	.000	.000	.000	.000	.000	.000
113 OTH MFG IND	.143	.326	.030	.019	.022	.153	1.455	.151
114 RAIL TRANS	.771	1.471	2.025	18.737	.277	.072	4.686	.037
115 INTERCTY HGY	.000	.000	.000	.000	.000	.000	.020	.000
116 MOTOR FRT STR	4.130	14.072	1.257	14.122	29.896	27.207	7.579	.291
117 WATER TRANS	.264	.497	.169	.876	.182	.027	1.467	.024
118 AIR TRANS	1.137	.791	.111	.353	.695	2.887	.513	2.025
119 PIPELINE TRN	.313	.637	.217	1.120	.234	.034	1.878	.031
120 LOC, SUB TRAN	.000	.000	.000	.000	.000	.000	.000	.000
121 OTH TRAN SER	.041	.084	.028	.147	.031	.005	.378	.000
122 TELEP, TELEGR	3.361	1.768	.922	1.116	2.268	2.175	3.990	2.473
123 RADIO, TV	.086	.581	.083	.115	.165	.012	.388	.295
124 OTH COMMUNIC	.000	.007	.000	.006	.008	.000	.009	.591
125 GAS SERVICES	15.242	4.224	.871	41.665	2.963	2.245	6.884	.388
126 ELEC SERVICES	17.133	4.283	1.210	25.368	3.678	5.353	6.723	1.030
127 WATER, SANI SERV	1.784	.546	.436	22.045	.385	.287	1.059	.140
128 WHL AUT PT, S	8.625	.823	.019	1.252	.030	.039	.165	.000
129 WHL GRO, RELP	.998	.233	.018	.350	1.074	2.126	.310	.427
130 WHL FM PROD	.317	.312	.087	.503	.113	.104	.752	.012
131 WHL LIVESTOC	.006	.014	.000	.024	.000	.000	.040	.000
132 WHL MAC, EQ, S	29.139	1.659	3.827	6.687	1.094	3.193	2.712	.385
133 WHL PET, PETP	1.050	4.748	.069	.685	.097	.950	.830	.008
134 GEN WHL	93.266	10.498	.966	23.299	18.107	23.399	9.097	9.380
135 LUMBER YARDS	1.664	.072	.000	.590	.033	.720	.009	.000
136 FARM EQ DEAL	.924	.045	.000	.451	.109	.766	.000	.000
137 HDW, HT, P, M	1.512	.232	.014	.424	.084	.186	.022	.032
138 DEPT, VAR STO	4.233	1.298	.042	1.417	2.884	4.689	.486	1.231
139 FOOD STORES	.322	.084	.009	.100	1.486	2.319	.289	.643
140 AUTO DEAL, RP	6.660	1.955	.079	.610	.934	.018	.520	.191
141 GAS SER STAT	.598	.557	.012	.252	.112	.183	.130	.227
142 APPRL ACC ST	.000	.537	.000	.000	.096	.144	.019	.042
143 FURN, HM F, EQ	8.005	.500	.000	2.929	.117	.155	.041	.000
144 EAT, DRINK PL	.500	.323	.045	.150	.397	.515	.667	1.750
145 OTHER RETAIL	2.627	.687	.031	.819	3.407	5.552	.874	1.348
146 BANK, CRD AGE	15.701	4.426	2.847	1.741	1.733	4.524	9.788	1.968
147 INSURANCE CA	10.353	13.590	.776	1.534	2.171	3.983	5.613	.944
148 F.I.R.E. NEC	2.287	5.404	.251	3.459	5.362	1.399	1.460	2.631
149 LEGAL SERVIC	.701	.632	.137	.745	.118	.120	1.523	.589
150 LODGING SERV	.624	.375	.026	.185	.357	.461	.895	1.048

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 41 *	* SECTOR 42 *	* SECTOR 43 *	* SECTOR 44 *	* SECTOR 45 *	* SECTOR 46 *	* SECTOR 47 *	* SECTOR 48 *
151 PERSONAL SER	.289	.099	.010	.218	.107	.081	.089	.012
152 ADVERTISING	.095	.161	.175	.133	.192	.013	4.329	2.285
153 DUPL, ADDRESS	.000	.000	.000	.000	.000	.000	.000	.000
154 PRI EMPL AGE	.064	.036	.010	.053	.020	.000	.096	.000
155 PHOTO SERVIC	.142	.081	.022	.117	.044	.012	.377	10.753
156 RESRCH, DEVEL	.045	.091	.031	.159	.033	.000	.267	.000
157 OTHER BUS SE	1.212	.458	.225	1.307	.240	.052	8.587	.263
158 MTN PCT, AM, R	.000	.000	.000	.007	.000	.000	.011	.000
159 AUTO RENT SE	1.462	1.195	1.010	.460	1.110	1.022	2.788	.047
160 AUTO PARKING	.000	.000	.000	.000	.000	.000	.000	.000
161 ELEC REP SHP	.091	.032	.074	.069	.034	.025	.059	.000
162 MISC REP SER	1.126	.392	.040	.857	.421	.318	1.149	1.045
163 PHYS, DENT SE	.007	.000	.011	.008	.007	.000	.015	.000
164 HOSP, LAB SER	.000	.000	.000	.006	.000	.000	.009	.000
165 OTH MED SERV	.006	.000	.000	.008	.006	.000	.013	.000
166 ED(PUB, PRI)	.231	.471	.210	.829	.173	.025	2.445	.306
167 COLL, UNIV	.110	.225	.108	.395	.081	.013	.866	.174
168 OTH ED SERV	.000	.000	.000	.000	.000	.000	.035	.000
169 ENG, ARCH SER	.485	.275	.077	.401	.150	.041	.672	.011
170 COMPU, ACCT SERV	.776	2.016	.887	.305	.225	.566	.756	2.053
171 OTH PROF SER	.000	.000	.000	.000	.000	.000	.022	.113
172 OTHER SERVICE	1.149	.000	.068	.147	.059	.005	.246	.411
173 ORD, ORD ACCS	.000	.000	.000	.000	.000	.000	.000	.000
174 OUTDOOR REC	.013	.024	.008	.043	.009	.000	.118	.000
175 SCRAP	.077	.156	.053	.462	.289	.008	.461	.008
176 HOUSEHOLDS	201.147	147.951	22.918	168.915	142.433	147.558	231.330	47.059
177 PROP PAY	40.403	15.250	9.846	77.901	13.886	3.827	86.445	12.177
178 FEDERAL GOVT	51.472	24.390	10.822	6.499	18.017	16.615	72.185	20.861
179 STATE GOVT	2.774	1.717	.101	3.417	.257	.010	.253	.207
180 LOCAL GOVT	4.063	1.645	.209	8.812	2.831	1.903	2.514	.207
181 DEPRECIATION	49.347	7.448	2.412	54.392	13.679	24.855	13.046	2.750
182 IMPORTS	484.519	132.692	54.547	202.607	229.940	311.534	268.073	25.970
TOTAL VALUE ADDED	349.206	198.401	46.308	319.936	191.103	194.768	405.773	83.261
TOTAL PURCHASES	1553.222	582.943	138.479	808.153	593.422	752.243	944.900	219.824

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 49 *	SECTOR 50 *	SECTOR 51 *	SECTOR 52 *	SECTOR 53 *	SECTOR 54 *	SECTOR 55 *	SECTOR 56 *
1 IRR COTTON	.016	.029	.000	.013	.049	6.724	.144	.346
2 IRR FOOD GRAIN	.023	.042	.000	.019	.070	9.580	.211	.494
3 IRR FEED GRAIN	.000	.007	.000	.000	.011	1.449	.031	.075
4 OTHER IRR CROP	.022	.039	.000	.018	.066	8.987	.192	.463
5 DRYLAND COTTON	.010	.000	.000	.008	.030	4.111	.088	.212
6 DRY FOOD GRAIN	.009	.016	.000	.007	.026	3.606	.077	.186
7 DRY FEED GRAIN	.019	.035	.000	.015	.057	7.774	.167	.400
8 OTHER DRY CROP	.009	.016	.000	.007	.026	3.579	.077	.184
9 RANGE LIVESTOCK	.049	.087	.000	.039	.145	19.853	.425	1.022
10 FEEDLOT LVSTK	.175	.316	.017	.140	.524	71.834	1.538	3.699
11 DAIRY	.038	.068	.000	.030	.113	15.505	.332	.799
12 POULTRY,EGGS	.018	.032	.000	.014	.054	7.391	.158	.381
13 AG SUP EX FMC	.000	.000	.000	.000	.000	.017	.000	.000
14 COTTON GINNING	.000	.000	.000	.000	.000	.000	.000	.000
15 AGRIC SERVICES	.000	.000	.000	.000	.000	.000	.000	.000
16 PRIM FORESTRY	.020	.037	.000	.016	.060	8.267	.177	.426
17 FISHERIES	.011	.020	.000	.009	.033	4.550	.098	.234
18 CRUDE PETRO	.839	1.509	.081	.669	2.503	767.258	8.339	17.660
19 NATRL GAS LQDS.	.136	.234	.012	8.783	8.174	293.735	1.130	2.684
20 OIL,GAS FLDSV	.036	.066	.000	.029	.108	14.794	.317	.762
21 LIGNITE,OTH MINE	.074	.092	.000	.041	1.379	23.098	33.794	18.081
22 RES CONSTRUCT	.000	.000	.000	.000	.000	.000	.000	.000
23 COMM,ED,INST	.000	.000	.000	.000	.000	.000	.000	.000
24 INDUS CONS	.000	.000	.000	.000	.000	.000	.000	.000
25 FACILITY CONS	.000	.000	.000	.000	.000	.000	.000	.000
26 MAINTEN,REPR	2.049	1.203	.387	.370	14.501	603.993	2.765	8.042
27 HEAT PRODUCTS	.011	.021	.000	.009	.035	4.783	.102	.246
28 POULTRY PROD	.000	.000	.000	.000	.000	.282	.006	.015
29 DAIRIES	.000	.007	.000	.000	.012	1.601	.035	.082
30 OTH GRAIN MIL	.029	.053	.000	.023	.088	12.063	.258	.621
31 ANIMAL FEEDS	.000	.009	.000	.000	.014	1.882	.041	.097
32 BAKERY PROD	.000	.000	.000	.000	.000	.178	.000	.009
33 CNND,PSVP,PCK	.000	.000	.000	.000	.007	.949	.020	.049
34 OTH FOOD PROD	.012	.020	.000	.009	.034	4.691	.100	.242
35 BEVERAGES	.019	.034	.000	.015	.056	7.854	.164	.463
36 TEXTILE MILL	.022	.041	1.071	.012	.036	4.611	.098	.237
37 MBWMC FURN	.000	.000	.000	.022	.000	.354	.008	.018
38 RELATED APRRL	.000	.000	.000	.000	.007	.941	.141	.049
39 LOGGING	.021	.037	.000	.017	.062	8.481	.182	.437
40 LUMBER MILLS	.022	.009	.000	.000	.015	2.100	.045	.108
41 MILLWORK,WOOD	.068	.430	.000	.027	.506	11.549	.250	.602
42 WOOD FURN,FX	.015	.017	.000	.008	.008	.741	.047	.048
43 MET FURN,FXIT	.000	.000	.000	.000	.000	.106	.000	.005
44 PAPER,PAP MIL	68.109	19.574	.795	.051	.232	20.834	1.109	31.405
45 PAP EX BOX,CT	5.153	3.414	2.415	.017	.185	8.258	13.286	44.3
46 BOXES,PAP CNT	.855	3.196	.000	.103	.322	17.277	2.405	.912
47 NEWSPAPERS	.075	.000	.000	.000	.014	.605	.137	.605
48 PUBLISHING	.154	.075	2.229	.071	.037	3.210	.667	.188
49 PRINTING	7.272	1.826	.267	.071	.055	4.991	.313	.280
50 MANFLD BUS FM	.831	.060	.067	.149	.146	3.689	.166	.657

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 49 *	SECTOR 50 *	SECTOR 51 *	SECTOR 52 *	SECTOR 53 *	SECTOR 54 *	SECTOR 55 *	SECTOR 56 *
51 OTH PRNT,PUBS	.146	.193	2.151	.019	.039	1.552	.088	.178
52 CHLOR,ALKALIE	.048	.063	.000	7.794	.155	81.246	.737	1.138
53 CYCCRD INT,IG	.192	.137	.007	.066	.342	146.562	1.608	148.695
54 ORG CHEM	.481	.646	.772	.655	1.437	2600.632	7.104	376.781
55 INORG CHEM	.076	.133	.000	8.282	.215	84.649	75.423	18.036
56 FIBERS,PLASTI	.108	.126	.007	.061	.312	28.478	1.487	60.877
57 SYN RUBBER	.010	.015	.000	.006	.035	3.206	.164	.170
58 DRUGS	.055	.000	.000	.000	.000	.316	.007	.016
59 AGRICHEMICAL	.039	.009	.000	.010	.015	2.059	.044	.106
60 SPS,CLNS,TOL	.039	.065	.000	.010	.031	4.179	.120	.235
61 PAINT,VARNISH	.008	.716	.000	.098	.335	6.116	.065	.155
62 OTH CHEMICALS	8.684	1.400	1.004	.032	.119	102.888	.355	.843
63 PETRO REFING	1.014	2.047	.975	28.496	884.223	1135.141	7.772	47.870
64 OTH PETRO PRD	.000	.007	.000	.000	.006	.862	.019	.044
65 TIRES	.062	.018	.030	.032	.042	1.863	.038	.082
66 FAB RUBBER PR	.014	.026	.000	.010	.038	5.105	.110	.263
67 PLASTIC PRODS	.061	.099	.000	.032	.178	16.473	26.462	.926
68 LEATHER,L PRD	.074	.099	.000	.000	.014	1.025	.052	.054
69 GLASS	.025	.037	.000	.017	.093	8.518	.602	.448
70 CLAY	.000	.000	.000	.000	.000	.187	.010	.010
71 CUT ST,CL,SH	.037	.019	.000	.008	.050	4.123	.211	.218
72 CEMENT,CONCRT	.012	.018	.000	.008	.044	4.023	.206	.212
73 BLAST FURNACE	.030	.044	.000	.030	11.026	10.069	.689	.530
74 PRI STEEL,IRO	.028	.015	.000	.007	.036	3.430	.165	.171
75 FOUNDRIES	.027	.039	.000	.017	.098	8.968	.459	.474
76 NONFER SMELTG	.056	.084	.407	.074	.209	72.121	.985	1.006
77 AL SMLT ROL DR	.085	.092	.000	.056	.228	23.729	1.062	1.097
78 CAST,FORGINGS	.008	.012	.000	.000	.122	2.834	.145	.150
79 FABRI STEEL	.053	.030	.000	.013	.076	7.946	.353	.652
80 PLATE WORK	.008	.012	.000	9.671	.032	2.893	.148	.153
81 SH MET,ARCH	.031	.047	.000	.020	.116	10.587	.542	.560
82 METAL DOORS	.000	.000	.000	.000	.000	.149	.008	.008
83 FAB MET PROD	.170	.080	.054	.328	.675	17.012	.892	.908
84 PLUMBING	.111	.000	.009	.011	.012	1.194	.092	.049
85 BOLTS,NUTS,SC	.081	.116	.000	.022	.123	11.234	.573	.592
86 ELCTPLT,CT,EN	.052	.012	.000	.006	.062	2.938	.151	.156
87 VALVE,PIPE FT	.181	.060	.000	.034	.999	11.258	.644	.593
88 OTH FAB MET P	.020	.012	.000	.007	.207	5.928	.135	.139
89 FM,CONS,IND M	.000	.000	.000	.000	.000	.187	.000	.009
90 MTL HDL MC,EQ	.000	.007	.000	.000	.011	1.468	.032	.075
91 MIN MACH,EQUP	.018	.032	.000	.014	.053	7.243	.155	.373
92 ENGINES	.029	.032	.000	.010	.035	4.849	.107	.250
93 METAL WK MACH	.007	.015	.000	.006	.023	3.478	.068	.164
94 IND PROC MACH	6.732	.038	.026	.007	.283	4.048	.746	.183
95 GEN IND MACH	1.333	.319	.000	.023	.091	76.682	.254	.644
96 REFRIG MACH	.000	.000	.000	.000	.008	.984	.021	.051
97 COMPU,ACCT MACH	.062	.728	.000	.193	.203	18.526	.954	.980
98 ELEC INST,AP	.013	.019	.000	.011	.053	4.262	.225	.228
99 ELEC HSLD EQ	.000	.000	.000	.000	.000	.026	.000	.000
100 ELEC COMM EQ	.039	.108	.000	.012	.068	6.216	.319	.329

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 49 *	* SECTOR 50 *	* SECTOR 51 *	* SECTOR 52 *	* SECTOR 53 *	* SECTOR 54 *	* SECTOR 55 *	* SECTOR 56 *
101 OTH ELEC APP	.024	.029	.000	.025	.071	6.496	.329	.338
102 AIRCRAFT	.000	.000	.000	.000	.000	.492	.011	.025
103 AIRCRAFT ENG	.000	.000	.000	.000	.000	.009	.000	.000
104 OTH AIRCRAFT	.000	.000	.000	.000	.000	.363	.008	.019
105 MOTOR VHCL,P	.008	.036	.010	1.257	.012	1.291	.030	.050
106 SHIP,BT BLDG	.000	.000	.000	.000	.000	.123	.000	.007
107 OTH TRANS EQ	.000	.006	.000	.000	.009	1.245	.027	.064
108 SCIENTIF INS	.000	.011	.000	.000	.000	.419	.021	.022
109 MECH MSRG DV	.000	.000	.000	.000	.014	1.218	.062	.064
110 MEDICAL INST	.000	.000	.000	.000	.028	.803	.041	.305
111 PHO, TM, OPT I	.921	.246	1.802	2.041	.013	.205	.011	.011
112 GAMES, TOYS	.000	.000	.000	.000	.000	.038	.000	.000
113 OTH HF6 IND	5.795	3.196	.517	.167	.064	4.932	.846	1.942
114 RAIL TRANS	2.186	3.481	.011	2.259	93.316	84.263	5.681	19.237
115 INTERCTY HGY	.000	.000	.000	.000	.000	.013	.000	.000
116 MOTOR FRT STR	4.311	15.322	.907	3.925	13.440	74.683	7.282	60.527
117 WATER TRANS	.107	.275	.000	1.487	3.377	33.418	3.057	7.781
118 AIR TRANS	1.425	1.888	.155	.457	2.479	6.088	2.752	4.480
119 PIPELINE TRN	.136	.167	.006	1.903	2.893	31.629	2.718	9.957
120 LOC SUB TRAN	.032	.000	.000	.000	.000	.012	.000	.000
121 OTH TRAN SER	.209	.122	.219	.251	.378	3.507	.687	17.864
122 TELEP, TELEGR	4.087	3.269	.704	1.192	1.908	15.289	3.037	6.237
123 RADIO, TV	.192	.013	.000	.160	.278	2.364	.371	1.198
124 OTH COMMUNIC	.009	.000	.000	.008	.014	.118	.019	.060
125 GAS SERVICES	4.091	.725	.219	65.306	44.623	720.818	8.273	59.823
126 ELEC SERVICES	9.076	2.082	.835	195.662	11.167	370.798	14.381	69.759
127 WATER, SANI SERV	1.604	.154	.123	5.449	1.159	22.497	1.328	21.465
128 WHL AUT PT, S	.055	.034	.000	.564	32.584	9.641	.299	.824
129 WHL GRO, RELP	.705	.050	.000	.239	.297	27.354	1.400	4.097
130 WHL FM PROD	.064	.073	.000	.788	1.978	16.511	1.356	4.770
131 WHL LIVESTOC	.000	.000	.000	.041	.062	.572	.058	.214
132 WHL MAC, EQ, S	4.613	.514	.497	2.542	11.251	45.043	6.879	17.525
133 WHL PET, PETP	.380	.238	.081	1.401	40.580	15.787	1.415	2.597
134 GEN WHL	21.120	5.605	1.386	5.235	26.278	316.263	18.102	54.351
135 LUMBER YARDS	.000	.000	.000	.007	.045	.118	.114	.037
136 FARM EQ DEAL	.405	.000	.000	.008	.737	1.904	.094	.246
137 HDW, HT, E, P, W	.101	.007	.000	.009	.282	.145	.014	.050
138 DEPT, VAR STO	2.330	.072	.006	.044	1.337	9.347	.436	1.290
139 FOOD STORES	1.035	.034	.000	.064	.034	8.024	.387	1.134
140 AUTO DEAL, RP	.647	.053	.451	2.006	.896	2.188	.761	1.723
141 GAS SER STAT	.035	.093	.110	.165	14.828	3.589	.173	1.674
142 APPRL ACC ST	.174	.000	.008	.000	.000	.048	.000	.024
143 FURN, HM F, EQ	.083	.078	.008	.000	.107	.016	.000	.006
144 EAT, DRINK PL	.394	.028	.342	.179	.653	2.900	.541	2.723
145 OTHER RETAIL	2.461	.132	.046	.559	.623	66.936	3.267	12.437
146 BANK, CRD AGE	2.054	.319	1.366	5.568	14.733	57.553	10.353	27.525
147 INSURANCE CA	3.609	3.409	1.451	2.324	5.771	32.284	3.840	10.815
148 F, I, R, E, NEC	1.527	.143	1.751	14.658	4.078	63.597	6.596	9.341
149 LEGAL SERVIC	1.649	.194	.193	1.379	1.090	11.167	3.134	3.326
150 LODGING SERV	.402	.078	.157	.666	.722	2.806	.723	1.584

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 49 *	SECTOR 50 *	SECTOR 51 *	SECTOR 52 *	SECTOR 53 *	SECTOR 54 *	SECTOR 55 *	SECTOR 56 *
151 PERSONAL SER	1.338	.044	.027	.121	.368	5.902	.127	.504
152 ADVERTISING	.714	.073	.052	.220	.325	3.844	.530	1.385
153 DUPL, ADDRESS	1.121	.007	.000	.000	.000	.057	.037	.037
154 PRI, EML AGE	.007	.008	.000	.090	.136	1.259	.128	.470
155 PHOTO SERVIC	.304	.018	.676	.200	.302	2.797	.285	1.044
156 RESRCH, DEVEL	.019	.074	.000	.271	.409	26.943	.401	1.416
157 OTHER BUS SE	1.211	1.140	.107	1.126	3.240	15.366	1.645	5.124
158 MTN PCT, AM, R	.019	.048	.000	.012	.018	.164	.061	.061
159 AUTO RENT SE	1.891	.172	.067	.778	1.045	26.326	3.376	9.463
160 AUTO PARKING	.000	.000	.000	.000	.000	.000	.000	.000
161 ELEC REP SHP	.066	.000	.000	.042	.069	1.867	1.454	.147
162 MISC REP SER	.441	.172	.212	4.967	.851	25.956	1.344	3.712
163 PHYS, DENT SE	.007	.000	.000	.013	.021	.188	.019	.070
164 HOSP, LAB SER	.000	.013	.000	.009	.016	.144	.026	.054
165 OTH MED SER	.000	.000	.000	.013	.019	.178	.018	.066
166 ED (PUB, PRI)	.528	.267	.147	2.155	3.217	43.603	2.975	13.182
167 COLL, UNIV	.625	.213	.044	.922	1.050	17.071	1.111	4.348
168 OTH ED SER	.011	.000	.000	.000	.000	.027	.000	.010
169 ENG, ARCH SER	.049	.232	.000	.681	1.029	11.856	1.083	4.997
170 COMPU, ACCT SERV	1.677	.407	.903	3.106	1.114	9.712	1.725	4.307
171 OTH PROF SER	.009	.000	.000	.008	.011	.323	.011	.151
172 OTHER SERVIC	.198	.086	.211	.250	.412	5.969	.554	1.581
173 ORD, ORD ACCS	.000	.000	.000	.000	.000	.000	.000	.000
174 OUTDOOR REC	.038	.007	.000	.115	.108	1.827	.133	.536
175 SCRAP	.034	.041	.000	.467	.706	6.547	.669	2.445
176 HOUSEHOLDS	268.461	75.377	52.063	60.416	150.696	970.912	73.077	239.779
177 PROP PAY	69.953	29.091	7.629	114.622	95.985	1707.720	32.608	137.136
178 FEDERAL GOVT	23.514	11.497	5.578	37.369	68.542	1133.900	26.755	109.274
179 STATE GOVT	7.610	.701	1.031	3.253	.470	12.334	.378	1.026
180 LOCAL GOVT	2.278	.349	.284	6.260	2.893	109.939	2.159	6.035
181 DEPRECIATION	20.992	5.434	2.453	42.782	55.598	727.216	15.276	70.365
182 IMPORTS	247.106	77.662	25.168	56.793	106.695	1375.034	437.420	1311.619
TOTAL VALUE ADDED	392.808	122.449	69.038	264.702	374.184	4662.021	150.253	563.615
TOTAL PURCHASES	834.857	285.825	122.796	724.087	1761.926	14879.502	918.466	3131.279

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 57 *	SECTOR 58 *	SECTOR 59 *	SECTOR 60 *	SECTOR 61 *	SECTOR 62 *	SECTOR 63 *	SECTOR 64 *
1 IRR COTTON	.600	.007	.093	.023	.090	.017	.000	.049
2 IRR FOOD GRAIN	.855	.010	.133	.033	.128	.024	.000	.070
3 IRR FEED GRAIN	.129	.000	.020	.000	.019	.000	.000	.011
4 OTHER IRR CROP	.802	.037	.125	.031	.120	.023	.000	.066
5 DRYLAND COTTON	.367	.000	.057	.014	.055	.010	.000	.030
6 DRY FOOD GRAIN	.321	.000	.050	.013	.048	.009	.000	.026
7 DRY FEED GRAIN	.693	.008	.108	.027	.104	.019	.000	.057
8 OTHER DRY CROP	.319	.006	.050	.013	.048	.009	.000	.026
9 RANGE LIVESTOCK	1.772	.021	.276	.069	.265	.050	.000	.145
10 FEEDLOT LVSTK	6.412	.075	.998	.249	.959	.181	.000	.524
11 DAIRY	1.384	.016	.215	.054	.207	.039	.000	.113
12 POULTRY,EGGS	.660	.000	.102	.026	.099	.019	.000	.054
13 AG SUP EX FMC	.000	.000	.000	.000	.000	.000	.000	.000
14 COTTON GINNING	.000	.000	.000	.000	.000	.000	.000	.000
15 AGRI SERVICES	.000	.000	.013	.000	.000	.000	.000	.000
16 PRIM FORESTRY	.738	.009	.115	.029	.110	.073	.000	.060
17 FISHERIES	.406	.000	.063	.016	.061	.011	.000	.033
18 CRUDE PETRO	30.603	.359	7.210	1.189	4.979	95.267	6418.920	2.504
19 NATRL GAS LQDS.	9.391	.054	.727	.181	.953	.131	532.122	.396
20 OIL,GAS FLDSV	1.320	.015	1.122	.051	.197	.037	405.144	.108
21 LIGNITE,OTH MINE	1.859	.022	45.582	.115	.292	.053	.000	13.758
22 RES CONSTRUCT	.000	.000	.000	.000	.000	.000	.000	.000
23 COMM,ED,INST	.000	.000	.000	.000	.000	.000	.000	.000
24 INDUS CONS	.000	.000	.000	.000	.000	.000	.000	.000
25 FACILITY CONS	.000	.000	.000	.000	.000	.000	.000	.000
26 MAINTEN,REPR	13.231	.752	3.871	1.920	1.532	2.643	549.960	1.324
27 MEAT PRODUCTS	.427	.000	.066	.016	.064	.012	.000	.035
28 POULTRY PROD	.025	.000	.000	.000	.000	.000	.000	.000
29 DAIRIES	.143	.000	.022	.000	.021	.000	.000	.012
30 OTH GRAIN MIL	1.076	.013	.168	.042	.161	.031	.000	.088
31 ANIMAL FEEDS	.168	.000	.026	.007	.025	.000	.000	.013
32 BAKERY PROD	.016	.000	.000	.000	.000	.000	.000	.000
33 CNND,PSVP,PCK	.085	.000	.013	.000	.013	.000	.000	.007
34 OTH FOOD PROD	.419	.008	.065	.016	.062	.167	.000	.034
35 BEVERAGES	.682	.267	.740	.432	.232	.026	.169	.070
36 TEXTILE MILL	.410	.014	.216	.079	.069	.011	2.649	.036
37 MBWMC FURN	.031	.000	.000	.000	.000	.000	.000	.000
38 RELATED APRPL	.085	.000	.013	.008	.013	.000	.000	.007
39 LOGGING	.757	.009	.118	.029	.113	.022	.000	.062
40 LUMBER MILLS	.187	.000	.029	.008	.040	.015	.360	.015
41 MILLWORK,WOOD	3.010	.240	1.858	.109	.165	.037	8.234	.331
42 WOOD FURN,FX	.066	.012	.077	.022	.029	.000	.000	.006
43 MET FURN,FX	.010	.000	.010	.011	.000	.000	.000	.000
44 PAPER,PAP MIL	1.854	.249	1.390	.199	.343	.081	3.989	1.253
45 PAP EX BOX,CT	.736	.978	1.209	.069	.389	.084	.000	.062
46 BOXES,PAP CNT	1.650	.727	1.571	.214	.646	1.681	98.111	.159
47 NEWSPAPERS	.052	.000	.141	.138	.215	.035	.095	.243
48 PUBLISHING	.280	.082	.589	.284	.091	.010	.595	.106
49 PRINTING	.442	.475	.305	1.662	.586	.144	1.167	.109
50 HANFLD BUS FM	.195	.099	.220	.597	.026	.038	5.935	.016

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 57 *	SECTOR 58 *	SECTOR 59 *	SECTOR 60 *	SECTOR 61 *	SECTOR 62 *	SECTOR 63 *	SECTOR 64 *
51 OTH PRNT,PUBS	.140	.057	.152	.009	.046	.035	.656	.016
52 CHLOR,ALKALIE	53.986	.159	32.601	.099	.214	4.792	.000	.105
53 CYCCRD INT,IG	53.612	.352	9.633	2.142	83.769	5.587	9.488	.234
54 ORG CHEM	73.224	7.117	12.418	120.616	75.411	47.014	1850.187	6.500
55 INORG CHEM	11.148	.427	213.666	5.323	1.010	.242	95.318	.177
56 FIBERS,PLASTI	2.537	6.441	1.800	1.021	22.279	.105	1.145	.321
57 SYN RUBBER	39.251	.036	.196	.012	1.026	.012	.000	.024
58 DRUGS	.028	.977	.000	.007	.000	.000	1.192	.000
59 AGR1 CHEMICAL	.183	.000	59.336	.008	.028	.005	.000	.015
60 SPS,CLNS,TOIL	.373	.037	.210	1.487	.067	.035	94.129	.034
61 PAINT+VARNISH	.269	.000	.042	.012	.467	.007	3.248	.281
62 OTH CHEMICALS	19.225	.017	.241	.452	1.889	5.252	201.324	2.552
63 PETRO REFING	274.345	1.022	11.674	11.742	4.355	348.111	3480.113	88.449
64 OTH PETRO PRD	.627	.000	.012	.016	.011	1.892	2.741	6.464
65 TIRES	.144	.000	.924	.006	.021	.008	2.079	.030
66 FAB RUBBER PR	.456	.005	.071	.020	.068	.078	.000	.042
67 PLASTIC PRODS	1.444	1.941	.991	1.095	.245	.060	.093	.133
68 LEATHER,L PRD	.092	.011	.063	.119	.016	.000	5.138	.007
69 GLASS	.755	.519	.518	.386	.128	.031	.000	.063
70 CLAY	.016	.000	.012	.000	.000	.000	.000	.000
71 CUT ST,CL,SH	.368	.046	1.216	.015	.062	.015	1.568	1.258
72 CEMENT,CONCRT	.359	.045	.246	.014	.061	.015	2.926	.921
73 BLAST FURNACE	.893	.113	.613	.053	.193	.037	.057	6.212
74 PRI STEEL,IRO	.288	.036	.198	.013	.049	.012	.278	.024
75 FOUNDRIES	.800	.101	.578	.032	.144	.033	.000	.067
76 NONFER SMELTG	1.696	.215	43.952	.069	.291	.070	14.494	.141
77 AL SMLT ROL DR	1.849	.234	1.268	.075	.592	.076	74.883	.154
78 CAST,FORGINGS	.253	.031	.175	.011	.043	.010	.082	.021
79 FABRI STEEL	.615	.079	.422	.025	.105	.025	.389	.051
80 PLATE WORK	.258	.032	.177	.011	.044	.010	.000	.022
81 SH MET,ARCH	.944	.119	.647	.038	.161	.039	.000	.079
82 METAL DOORS	.013	.000	.009	.000	.000	.000	1.579	.000
83 FAB MET PROD	1.516	.231	1.090	8.786	2.880	.220	111.042	.129
84 PLUMBING	.082	.010	.157	.000	.034	.009	.199	.012
85 BOLTS,NUTS,SC	.998	.135	.684	.122	.197	.139	1.025	.088
86 ELCTPLY,CT,EN	.262	.033	.179	.011	.044	.010	.000	.022
87 VALVE,PIPE FT	1.000	.126	.685	.316	.198	.191	71.339	.405
88 OTH FAB MET P	.235	.035	.192	.009	.044	.012	29.527	.020
89 FM,CONS,IND M	.016	.000	.000	.000	.000	.000	.602	.000
90 MTL HDL MC,EQ	.131	.000	.020	.000	.254	.000	14.526	.010
91 MIN MACH,EQUP	.646	.007	.100	.026	.460	.018	.000	.053
92 ENGINES	.433	.005	.067	.017	.065	.012	3.004	.053
93 METAL WK MACH	.285	.000	.044	.011	.043	.017	.006	.023
94 IND PROC MACH	.317	.000	.332	.031	.047	.021	29.321	.026
95 GEN IND MACH	1.057	.012	10.519	.045	.173	.044	4.940	.098
96 REFRIG MACH	.088	.000	.014	.000	.014	.000	.000	.007
97 COMPU,ACCT MACH	1.651	.210	1.132	.068	1.431	.068	2.030	.137
98 ELEC INST,AP	.379	.062	.308	.037	.072	.112	28.020	.037
99 ELEC HSLD EQ	.000	.000	.000	.000	.000	.000	.206	.000
100 ELEC COMM EQ	.554	.075	.380	.023	.095	.023	1.409	.046

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 57 *	SECTOR 58 *	SECTOR 59 *	SECTOR 60 *	SECTOR 61 *	SECTOR 62 *	SECTOR 63 *	SECTOR 64 *
101 OTH ELEC APP	.572	.072	.391	.024	.097	.024	1.265	.048
102 AIRCRAFT	.044	.000	.007	.000	.007	.000	.000	.000
103 AIRCRAFT ENG	.000	.000	.000	.000	.000	.000	.000	.000
104 OTH AIRCRAFT	.033	.000	.000	.000	.000	.000	.000	.000
105 MOTOR VHCL,P	.092	.000	.048	.000	.013	.000	.884	.058
106 SHIP,BT BLDG	.011	.000	.000	.000	.000	.000	.000	.000
107 OTH TRANS EQ	.111	.000	.017	.000	.017	.000	.000	.009
108 SCIENTIF INS	.038	.000	.026	.000	.007	.000	.000	.000
109 MECH MSRG DV	.108	.013	.074	.000	.019	.000	.000	.009
110 MEDICAL INST	.072	.020	.061	.000	.012	.000	4.746	.006
111 PHO,TH,OPT I	.018	.000	.012	.000	.000	.000	.564	.000
112 GAMES,TOYS	.000	.000	.000	.000	.000	.000	.000	.000
113 OTH MFG IND	.443	.057	.326	.034	1.416	.693	1.073	.032
114 RAIL TRANS	10.320	.602	5.540	5.833	2.811	11.869	81.174	6.167
115 INTERCTY HGY	.000	.000	.000	.000	.000	.000	.000	.000
116 MOTOR FRT STR	5.886	5.802	9.074	14.464	3.389	13.162	183.921	18.188
117 WATER TRANS	2.394	.235	1.502	2.911	1.153	5.677	450.373	4.720
118 AIR TRANS	.848	.457	.665	.808	.458	1.998	16.655	1.100
119 PIPELINE TRN	2.457	.301	.795	3.725	1.476	7.003	637.626	5.291
120 LOC,SUB TRAN	.000	.000	.000	.000	.000	.000	.000	.000
121 OTH TRAN SER	.323	.039	1.722	.490	.194	.894	.610	.606
122 TELEP,TELEGR	1.379	1.697	3.014	4.040	2.491	2.989	19.686	1.563
123 RADIO , TV	.207	.652	.666	.719	.124	.579	3.004	.462
124 OTH COMMUNIC	.010	.000	.045	.036	.006	.029	.000	.019
125 GAS SERVICES	10.721	1.323	8.427	10.462	4.414	20.176	459.469	16.315
126 ELEC SERVICES	8.310	1.813	14.362	9.010	5.570	17.914	238.201	10.409
127 WATER,SANI SERV	1.182	.320	.442	1.421	.753	2.766	85.520	1.763
128 WHL AUT PT,S	.235	.025	.122	.703	.122	14.083	2.468	2.172
129 WHL GRO,RELP	.935	.130	3.048	2.074	.894	.332	.000	.417
130 WHL FM PROD	1.135	.142	.982	1.915	.743	3.085	.000	1.917
131 WHL LIVESTOC	.053	.007	.017	.080	.032	.146	.000	.099
132 WHL MAC,EQ,S	9.691	.425	4.490	5.708	2.933	14.645	317.321	6.814
133 WHL PET,PETP	1.080	.130	1.312	1.785	.385	17.285	78.139	4.049
134 GEN WHL	11.009	2.780	44.602	28.112	31.110	25.463	461.438	13.599
135 LUMBER YARDS	.300	.040	.025	.014	.006	.000	.143	.033
136 FARM EQ DEAL	.076	.011	.740	.138	.048	.246	.000	.061
137 HDW,HT,E,P,W	.012	.000	.067	.019	.008	.061	.014	.173
138 DEPT,VAR STO	.254	.036	1.376	.680	.275	.371	.000	.436
139 FOOD STORES	.228	.032	.942	.590	.232	.074	.000	.077
140 AUTO DEAL,RP	.322	.029	6.464	.268	1.579	.706	7.829	.551
141 GAS SER STAT	.133	.074	.037	.269	.098	6.218	.172	.918
142 APPRL ACC ST	.000	.000	.000	.007	.000	.031	.000	.008
143 FURN,HM F,EQ	.000	.000	.015	.000	.000	.000	.000	.062
144 EAT,DRINK PL	.358	.520	.404	.383	1.144	.930	1.886	.445
145 OTHER RETAIL	1.864	.265	7.710	4.949	1.994	.865	1.284	.721
146 BANK,CRD AGE	4.944	1.084	8.586	6.348	2.405	13.960	387.780	8.045
147 INSURANCE CA	16.704	2.718	5.761	3.497	3.866	5.380	90.786	2.825
148 F.I.R.E. NEC	19.921	6.960	1.690	2.644	3.148	4.868	194.779	3.196
149 LEGAL SERVIC	1.336	.913	3.567	3.302	1.090	2.269	14.105	1.481
150 LODGING SERV	.344	.656	.547	.522	.702	1.036	2.788	.751

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 57 *	SECTOR 58 *	SECTOR 59 *	SECTOR 60 *	SECTOR 61 *	SECTOR 62 *	SECTOR 63 *	SECTOR 64 *
151 PERSONAL SER	.244	.014	.081	.636	.154	.318	12.010	.216
152 ADVERTISING	.42	.269	.558	.884	.462	.678	2.113	.510
153 DUPL, ADDRESS	.000	.000	.000	.011	.000	.014	.008	.009
154 PRI EMPL AGE	.116	.038	.038	.070	.070	2.664	3.175	.217
155 PHOTO SERVIC	.258	.032	.063	.391	.155	.715	40.965	.483
156 RESRCH,DEVEL	.399	.246	.113	.530	.212	.967	2.202	.655
157 OTHER BUS SE	1.676	.24	10.016	2.235	.683	3.559	184.583	2.468
158 MTN PCT,AM,R	.015	.000	.005	.098	.009	.050	.000	.028
159 AUTO RENT SE	1.869	1.238	1.003	1.262	1.680	3.267	14.107	2.257
160 AUTO PARKING	.000	.000	.000	.000	.000	.000	.000	.000
161 ELEC REP SHP	.078	.770	.012	.068	.051	.117	.160	.073
162 MISC REP SER	1.350	.591	1.669	.750	1.185	1.612	14.882	1.784
163 PHYS,DENT SE	.155	.000	.005	.026	.011	.085	.158	.033
164 HOSP,LAB SER	.120	.055	.000	.020	.007	.074	.382	.025
165 OTH MED SER	.146	.000	.005	.025	.010	.085	.000	.030
166 ED(PUB,PRI)	2.078	.512	1.782	3.367	1.407	5.557	222.832	3.562
167 COLL,UNIV	.890	.187	.573	1.427	.802	2.529	165.959	1.993
168 OTH ED SER	.000	.000	.000	.000	.000	.007	.000	.000
169 ENG,ARCH SER	.879	.110	.285	1.453	.528	2.443	140.974	1.650
170 COMPU,ACCT SERV	4.094	6.086	1.103	1.521	.756	2.370	33.781	1.309
171 OTH PROF SER	.056	.000	.000	.015	.006	.027	.020	.024
172 OTHER SERVIC	.322	1.115	.174	.522	.251	1.016	8.054	.712
173 ORD,ORD ACCS	.000	.000	.000	.000	.000	.000	.000	.000
174 OUTDOOR REC	.092	.011	.047	.148	.079	.255	8.764	.212
175 SCRAP	.604	.074	.195	.915	.362	1.671	.000	1.244
176 HOUSEHOLDS	93.846	64.625	137.105	80.088	123.603	152.850	1412.032	53.427
177 PROP PAY	49.859	24.883	40.983	61.699	12.842	26.205	1762.581	13.983
178 FEDERAL GOVT	5.774	10.010	40.820	41.915	15.161	10.715	480.463	5.900
179 STATE GOVT	1.402	.302	1.329	.219	1.000	.175	205.671	.429
180 LOCAL GOVT	4.694	1.741	6.019	.831	1.245	1.306	36.967	.195
181 DEPRECIATION	40.875	4.563	20.311	11.033	5.283	25.069	644.052	2.022
182 IMPORTS	103.358	64.206	364.207	72.700	192.951	127.600	14651.404	118.718
TOTAL VALUE ADDED	196.450	106.124	246.567	195.785	159.134	216.320	4541.766	75.956
TOTAL PURCHASES	1066.463	237.839	1247.981	565.374	650.621	1088.195	37961.715	467.364

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 65 *	* SECTOR 66 *	* SECTOR 67 *	* SECTOR 68 *	* SECTOR 69 *	* SECTOR 70 *	* SECTOR 71 *	* SECTOR 72 *
1 IRR COTTON	.007	.022	.055	.000	.038	.011	.037	.059
2 IRR FOOD GRAIN	.009	.031	.078	.000	.054	.016	.052	.083
3 IRR FEED GRAIN	.000	.000	.012	.000	.008	.000	.008	.013
4 OTHER IRR CROP	.009	.029	.073	.000	.051	.015	.049	.078
5 DRYLAND COTTON	.000	.013	.034	.000	.023	.007	.022	.036
6 DRY FOOD GRAIN	.000	.011	11.980	.000	.021	.006	.020	.032
7 DRY FEED GRAIN	.008	.025	.063	.000	.044	.013	.042	.060
8 OTHER DRY CROP	.000	.011	.029	.000	.020	.006	.019	.031
9 RANGE LIVESTOCK	.019	.064	.161	.007	.113	.033	.108	.172
10 FEEDLOT LIVSTK	.068	.230	.584	.025	.407	.118	.390	.623
11 DAIRY	.015	.050	.126	.006	.088	.026	.084	.135
12 POULTRY, EGGS	.007	.024	.060	.000	.042	.012	.040	.064
13 AG SUP EX FMC	.000	.000	.000	.000	.000	.000	.000	.000
14 COTTON GINNING	.000	.000	.000	.000	.000	.000	.000	.000
15 AGR SERVICES	.000	.000	.000	.000	.000	.000	.000	.000
16 PRIM FORESTRY	.008	.027	.067	.000	.047	.014	.045	.072
17 FISHERIES	.000	.014	.037	.000	.026	.007	.025	.040
18 CRUDE PETRO	.327	1.100	2.789	.120	1.946	.563	1.863	2.974
19 NATRL GAS LQDS.	.968	.167	.444	.018	.296	.126	.283	.452
20 OIL, GAS FLDSV	.014	.047	.120	.005	.084	.024	.080	.128
21 LIGNITE, OTH MINE	.020	.067	.215	.007	2.063	23.211	5.083	218.293
22 RES CONSTRUCT	.000	.000	.000	.000	.000	.000	.000	.000
23 COMM, ED, INST	.000	.000	.000	.000	.000	.000	.000	.000
24 INDUS CONS	.000	.000	.000	.000	.000	.000	.000	.000
25 FACILITY CONS	.000	.000	.000	.000	.000	.000	.000	.000
26 MAINTEN, REPR	.452	.276	8.743	.774	.586	.982	2.186	6.296
27 HEAT PRODUCTS	.000	.016	.039	6.775	.027	.008	.026	.041
28 POULTRY PROD	.000	.000	.000	.000	.000	.000	.000	.000
29 DAIRIES	.000	.000	.013	.000	.009	.000	.009	.014
30 OTH GRAIN MIL	.011	.039	.098	.000	.068	.020	1.729	.104
31 ANIMAL FEEDS	.000	.006	.015	.000	.010	.000	.010	.017
32 BAKERY PROD	.000	.000	.000	.000	.000	.000	.000	.000
33 CNND, P, SVP, PCK	.000	.000	.000	.000	.000	.000	.000	.000
34 OTH FOOD PROD	.000	.015	.038	.000	.027	.008	.026	.041
35 BEVERAGES	.052	.063	.556	.060	.043	.051	.234	.234
36 TEXTILE MILL	.000	.423	4.630	.161	.090	.007	.025	.040
37 MBWMC FURN	.000	.000	.000	.000	.000	.000	.000	.000
38 RELATED APPRL	.000	.009	.075	.071	.000	.000	.000	.000
39 LOGGING	.008	.027	.069	.000	.048	.014	.046	.074
40 LUMBER MILLS	.000	.007	.017	.007	.012	.019	.026	.018
41 MILLWORK, WOOD	.011	.475	.201	3.674	.097	.019	.083	2.268
42 WOOD FURN, FIX	.000	.000	.038	.036	.018	.058	.014	.021
43 MET FURN, FIX	.000	.015	.000	.073	.074	.000	.000	.000
44 PAPER, PAP MIL	.130	.149	.232	.014	4.295	.586	.113	.227
45 PAP EX BOX, CT	.008	.065	.131	.369	.057	.014	14.210	.081
46 BOXES, PAP CNT	.017	.613	12.524	.649	21.804	3.459	13.188	.594
47 NEWSPAPERS	.000	.000	.029	.199	.000	.137	.015	.008
48 PUBLISHING	.007	.035	.184	.185	.184	.123	.062	.109
49 PRINTING	.000	.039	1.038	.277	.038	.096	.047	.044
50 MANFLD BUS FM	.106	.079	.016	.085	.165	.261	.087	.047

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 65 *	SECTOR 66 *	SECTOR 67 *	SECTOR 68 *	SECTOR 69 *	SECTOR 70 *	SECTOR 71 *	SECTOR 72 *
51 OTH PRNT,PUBS	.090	.015	.070	.013	.012	.019	.057	.044
52 CHLOR,ALKALIE	.014	.100	.123	.000	2.996	.023	.077	.123
53 CYCCRD INT,IG	14.264	.220	13.550	.186	.177	.051	.169	.272
54 ORG CHEM	20.364	4.550	4.238	.052	1.352	.214	1.035	2.128
55 INORG CHEM	.098	.433	.178	.007	.116	.157	.106	3.829
56 FIBERS,PLASTI	.397	4.111	223.569	1.579	.182	.047	.155	.248
57 SYN RUBBER	61.426	2.936	.033	.000	.019	.000	.017	.028
58 DRUGS	.000	.000	.000	.000	.000	.000	.000	.000
59 AGRI CHEMICAL	.000	.007	.016	.000	.012	.000	.011	.018
60 SPS,CLNS,TOIL	.014	.020	.099	.012	.042	.011	.023	.062
61 PAINT+VARNISH	.000	.010	.039	.006	.017	.000	.016	.027
62 OTH CHEMICALS	7.986	.299	15.636	.006	.362	.369	.706	.142
63 PETRO REFING	.832	1.187	5.144	.237	1.681	1.156	2.263	5.327
64 OTH PETRO PRD	.000	.019	.007	.000	.000	.105	.000	.669
65 TIRES	.376	.005	.057	.000	.028	.015	.229	.082
66 FAB RUBBER PR	.041	.037	.041	.259	.036	.008	1.010	.046
67 PLASTIC PRODS	.016	.346	6.840	.006	.152	2.694	1.031	.141
68 LEATHER,L PRD	.000	.072	.009	23.564	.148	.000	.006	.009
69 GLASS	.008	.060	.073	.000	2.037	.014	.046	.074
70 CLAY	.000	.000	.000	.000	.997	1.114	.025	.162
71 CUT ST,CL,SH	.000	.029	.036	.000	.023	2.680	5.832	5.511
72 CEMENT,CONCRT	.000	.028	.035	.000	.023	.045	2.344	149.681
73 BLAST FURNACE	.009	.152	.087	.000	.157	.020	.250	.209
74 PRI STEEL,IRO	.000	.877	.028	.000	.018	.000	1.346	.991
75 FOUNDRIES	.008	.064	.078	.000	.066	.015	.144	.155
76 NONFER SMELTG	.018	.135	.166	.007	.108	.031	.239	.166
77 AL SMLT ROL DR	.020	.229	.655	.224	.117	.034	.287	.181
78 CAST,FORGINGS	.000	.083	.025	.000	.016	.000	.053	.025
79 FABRI STEEL	.007	.636	.060	.000	.040	.011	.038	.060
80 PLATE WORK	.000	.265	.025	.000	.016	.000	.016	.026
81 SH MET,ARCH	.010	.075	.216	.000	.060	.017	.057	.092
82 METAL DOORS	.000	.000	.000	.000	.000	.000	.000	.000
83 FAB MET PROD	1.427	.149	.169	.049	.112	.031	.254	.148
84 PLUMBING	.007	.009	.041	.000	.032	.008	.217	.008
85 BOLTS,NUTS,SC	.011	.339	.343	.173	.164	.018	.083	.098
86 ELCTPLT,CT,EN	.000	.021	.196	.000	.017	.000	.016	.026
87 VALVE,PIPE FT	.017	.265	.254	.000	.150	.025	.892	.098
88 OTH FAB MET P	.000	.078	.025	.050	.015	.000	.014	.023
89 FM,CONS,IND M	.000	.000	.000	.000	.000	.000	.000	.000
90 MTL HDL MC,EQ	.000	.000	.012	.000	.008	.000	.008	.013
91 MIN MACH,EQU	.007	.023	.059	.000	.041	.012	.039	.063
92 ENGINES	.000	.016	.040	.000	.028	.045	.026	.042
93 METAL WK MACH	.000	.028	.026	.000	.018	.000	.017	.028
94 IND PROC MACH	3.337	.011	8.323	.000	.387	.117	.019	.031
95 GEN IND MACH	.011	.115	.121	.000	.081	.620	.064	.103
96 REFRIG MACH	.000	.000	.008	.000	.006	.000	.000	.008
97 COMPU,ACCT MACH	.018	6.060	1.174	.041	.137	.030	6.204	.161
98 ELEC INST,AP	.217	.116	.103	.000	.024	.030	.023	.037
99 ELEC HSLD EQ	.000	.000	.000	.000	.000	.000	.000	.000
100 ELEC COMM EQ	.006	.044	.183	.000	.035	.010	.034	.055

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 65 *	* SECTOR 66 *	* SECTOR 67 *	* SECTOR 68 *	* SECTOR 69 *	* SECTOR 70 *	* SECTOR 71 *	* SECTOR 72 *
101 OTH ELEC APP	.006	.045	.056	.000	.036	.011	.035	.067
102 AIRCRAFT	.000	.000	.000	.000	.000	.000	.000	.000
103 AIRCRAFT ENG	.000	.000	.000	.000	.000	.000	.000	.000
104 OTH AIRCRAFT	.000	.000	.000	.000	.000	.000	.000	.000
105 MOTOR VHCL,P	.000	.000	.033	.000	.040	.008	.221	.008
106 SHIP,BT BLDG	.000	.000	.000	.000	.000	.000	.000	.000
107 OTH TRANS EQ	.000	.000	.010	.000	.007	.000	.007	.011
108 SCIENTIF INS	.000	.000	.000	.000	.000	.000	.000	.000
109 MECH HSRG DV	.000	.008	.010	.000	.007	.000	.007	.011
110 MEDICAL INST	.000	.006	.007	.000	.000	.000	.000	.007
111 PHO,TH,OPT I	.000	.000	.000	.000	.000	.000	.000	.000
112 GAMES,TOYS	.000	.000	.000	.000	.000	.000	.000	.000
113 OTH MFG IND	.248	.035	.686	.050	.090	.074	.595	.038
114 RAIL TRANS	3.883	.107	25.227	.886	5.217	9.767	18.208	71.127
115 INTERCTY HGY	.172	.000	.000	.000	.000	.000	.000	.000
116 MOTOR FRT STR	2.934	2.447	11.022	3.493	15.726	11.753	47.442	125.977
117 WATER TRANS	.455	.071	1.680	.138	1.107	.303	2.247	5.585
118 AIR TRANS	.209	.435	2.249	.191	.033	.208	.614	1.353
119 PIPELINE TRN	.016	.091	2.140	.177	.137	.387	2.875	4.663
120 LOC,SUB TRAN	.000	.000	.000	.000	.000	.000	.000	.000
121 OTH TRAN SER	.000	.012	4.971	.528	.018	.126	.378	.613
122 TELEP,TELEGR	.209	.697	4.321	.836	.584	1.155	3.060	3.982
123 RADIO, TV	.007	.008	.267	.136	.159	.222	.245	.512
124 OTH COMMUNIC	.000	.000	.013	.000	.000	.000	.012	.020
125 GAS SERVICES	5.500	.897	20.935	1.473	28.930	22.659	23.791	79.374
126 ELEC SERVICES	8.124	1.501	16.759	1.370	11.499	4.264	15.688	42.316
127 WATER,SANI SERV	.133	.341	2.617	.354	.495	.497	1.693	2.851
128 WHL AUT PT,S	.033	.007	.283	.090	.015	.052	.664	.723
129 WHL GRO,RELP	1.032	.014	1.242	.090	.252	.033	.231	.280
130 WHL FM PROD	.236	.037	1.084	.072	.054	.155	1.184	1.868
131 WHL LIVESTOC	.000	.000	.046	.000	.000	.008	.063	.100
132 WHL MAC,EQ,S	.963	.203	12.005	2.495	.555	.792	6.694	10.467
133 WHL PET,PETP	.032	.076	.725	.082	.039	.363	3.150	1.807
134 GEN WHL	9.893	1.519	26.519	3.822	9.886	1.077	32.331	18.416
135 LUMBER YARDS	.000	.000	.018	.006	.000	.025	.032	.309
136 FARM EQ DEAL	.243	.000	.451	.030	.000	.000	.007	.000
137 HDW,HT,E,P,W	.021	.000	.080	.050	.019	.000	.064	.213
138 DEPT,VAR STO	.482	.025	.850	1.232	.708	.000	.100	.222
139 FOOD STORES	.322	.010	.470	.269	.369	.000	.018	.031
140 AUTO DEAL,RP	.341	.140	8.431	.393	.087	.485	.782	17.974
141 GAS SER STAT	.072	.036	1.593	.024	.010	.098	.154	.257
142 APPRL ACC ST	.000	.000	.013	.486	.025	.000	.000	.009
143 FURN,HM F,EQ	.030	.026	.028	.061	.023	.061	.018	.000
144 EAT,DRINK PL	.012	.240	.481	.069	.038	.183	.355	.579
145 OTHER RETAIL	2.638	.060	3.064	1.291	1.175	.024	.426	.328
146 BANK,CRD AGE	4.687	.181	13.422	3.588	.749	2.748	28.819	23.976
147 INSURANCE CA	.132	.829	5.351	4.305	.860	1.750	6.142	5.206
148 F.I.R.E. NEC	.010	.333	3.387	1.022	1.643	.965	4.048	5.803
149 LEGAL SERVIC	.313	.643	1.362	.159	.184	.331	1.632	2.608
150 LODGING SERV	.039	.305	.673	.069	.150	.665	.277	.801

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 65 *	* SECTOR 66 *	* SECTOR 67 *	* SECTOR 68 *	* SECTOR 69 *	* SECTOR 70 *	* SECTOR 71 *	* SECTOR 72 *
151 PERSONAL SER	.000	.036	1.054	.016	.005	.482	.150	.280
152 ADVERTISING	.027	.307	.480	.232	.116	.467	.387	.760
153 DUPL, ADDRESS	.000	.000	.000	.000	.000	.103	.000	.009
154 PRI EMPL AGE	.000	.000	.878	.008	.006	.018	.136	.221
155 PHOTO SERVIC	.000	.073	.285	.018	.015	.041	.302	.489
156 RESRCH, DEVEL	.000	.013	.324	.025	.035	.055	.409	.753
157 OTHER BUS SE	.047	.201	2.349	.160	.838	.433	1.636	3.620
158 MTR PCT, AM, R	.000	.190	.013	.000	.000	.000	.018	.029
159 AUTO RENT SE	.019	.588	2.524	.067	.042	2.519	4.193	3.247
160 AUTO PARKING	.000	.000	.000	.000	.000	.000	.000	.000
161 ELEC REP SHP	.011	.012	.207	.000	.000	.132	.690	.073
162 MISC REP SER	.148	.143	2.109	.038	.352	5.671	1.837	23.173
163 PHYS, DENT SE	.000	.000	.014	.000	.078	.049	.021	.033
164 HOSP, LAB SER	.000	.000	.012	.000	.000	.000	.016	.025
165 OTH MED SERV	.000	.000	.014	.000	.000	.000	.019	.031
166 ED(PUB, PRI)	.497	.408	1.914	.398	.716	4.113	3.461	7.036
167 COLL, UNIV	.027	.098	.922	.313	.246	3.751	2.591	3.313
168 OTH ED SERV	.000	.000	.000	.000	.000	.000	.000	.000
169 ENG, ARCH SER	.006	.032	2.071	.134	.049	.139	1.029	2.021
170 COMPU, ACCT SERV	.140	1.395	1.364	.258	1.115	1.429	1.178	2.734
171 OTH PROF SERV	.206	.000	.011	.000	.000	.000	.022	.021
172 OTHER SERVIC	.000	.094	.316	.028	.021	.081	1.090	1.935
173 ORD, ORD ACCS	.000	.000	.000	.000	.000	.000	.000	.000
174 OUTDOOR REC	.000	.000	.080	.006	.000	.364	.252	.337
175 SCRAP	.000	.022	.526	.044	.033	.095	.706	1.145
176 HOUSEHOLDS	87.445	52.387	262.501	67.797	102.690	69.322	136.220	309.589
177 PROP PAY	16.127	18.535	27.911	17.354	16.408	12.317	50.619	191.984
178 FEDERAL GOVT	4.161	4.324	16.574	10.103	8.017	7.440	8.484	46.524
179 STATE GOVT	.694	1.727	.718	1.262	.468	3.801	1.657	10.920
180 LOCAL GOVT	1.424	1.365	2.247	.144	1.409	.479	1.236	3.489
181 DEPRECIATION	10.472	3.997	29.357	3.780	8.796	4.959	15.038	71.979
182 IMPORTS	141.385	93.904	540.093	52.941	96.635	68.828	215.186	273.473
TOTAL VALUE ADDED	120.323	82.335	339.308	100.440	137.788	98.318	213.254	634.485
TOTAL PURCHASES	419.600	221.793	1399.279	224.531	363.304	288.423	718.584	1794.852

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 73 *	* SECTOR 74 *	* SECTOR 75 *	* SECTOR 76 *	* SECTOR 77 *	* SECTOR 78 *	* SECTOR 79 *	* SECTOR 80 *
1 IRR COTTON	.442	.020	.161	.137	.025	.009	.050	.057
2 IRR FOOD GRAIN	.631	.027	.229	.195	.036	.014	.070	.081
3 IRR FEED GRAIN	.095	.000	.035	.029	.006	.000	.011	.012
4 OTHER IRR CROP	.592	.026	.216	.183	.216	.012	.066	.076
5 DRYLAND COTTON	.271	.012	.099	.084	.016	.006	.030	.035
6 DRY FOOD GRAIN	.237	.011	.086	.074	.013	.000	.026	.031
7 DRY FEED GRAIN	.511	.023	.187	.158	.029	.011	.057	.066
8 OTHER DRY CROP	.235	.011	.086	.073	.013	.000	.026	.030
9 RANGE LIVESTOCK	1.306	.057	.476	.403	.075	.027	.145	.168
10 FEEDLOT LVSTK	4.726	.205	1.723	1.461	.271	.099	.525	.609
11 DAIRY	1.020	.044	.372	.315	.059	.022	.113	.131
12 POULTRY+EGGS	.487	.021	.177	.150	.028	.010	.054	.063
13 AG SUP EX FMC	.000	.000	.000	.000	.000	.000	.000	.000
14 COTTON GINNING	.000	.000	.000	.000	.000	.000	.000	.000
15 AGRI SERVICES	.000	.000	.000	.000	.000	.000	.000	.000
16 PRIM FORESTRY	.544	.024	.198	.168	.031	.012	.060	.070
17 FISHERIES	.299	.013	.109	.093	.017	.006	.033	.038
18 CRUDE PETRO	22.563	.977	8.226	6.972	1.295	.475	2.506	2.906
19 MATRL GAS LQDS.	3.429	.149	1.250	1.060	.197	.072	.381	.442
20 OIL,GAS FLDSV	.973	.042	.355	.301	.056	.020	.108	.125
21 LIGNITE,OTH MINE	87.806	.059	1.440	4.845	.079	.029	.152	.177
22 RES CONSTRUCT	.000	.000	.000	.000	.000	.000	.000	.000
23 COMM,ED,INST	.000	.000	.000	.000	.000	.000	.000	.000
24 INDUS CONS	.000	.000	.000	.000	.000	.000	.000	.000
25 FACILITY CONS	.000	.000	.000	.000	.000	.000	.000	.000
26 MAINTEN,REPR	12.845	.000	.000	.000	.000	.000	.000	.000
27 MEAT PRODUCTS	.315	1.356	7.536	49.608	1.960	.619	17.459	1.820
28 POULTRY PROD	.019	.000	.007	.006	.000	.000	.035	.040
29 DAIRIES	.105	.000	.038	.032	.006	.000	.012	.000
30 OTH GRAIN MIL	.793	.035	.289	.245	.046	.017	.089	.102
31 ANIMAL FEEDS	.124	.000	.045	.038	.007	.000	.014	.016
32 BAKERY PROD	.012	.000	.000	.000	.000	.000	.000	.000
33 CNMD,PSVP,PCK	.062	.000	.022	.019	.000	.000	.007	.008
34 OTH FOOD PROD	.309	.013	.113	.095	.018	.007	.034	.040
35 BEVERAGES	.503	.022	.210	1.101	.087	.024	.251	.117
36 TEXTILE MILL	.303	.013	.113	.093	.328	.006	.075	.058
37 MBWMC FURN	.023	.000	.008	.007	.268	.000	.000	.000
38 RELATED APRRL	.062	.000	.027	.019	.000	.000	.007	.008
39 LOGGING	.558	.024	.203	.173	.032	.012	.062	.072
40 LUMBER MILLS	.138	.006	.069	.055	.036	.000	.015	.142
41 MILLWORK,WOOD	.779	.205	.488	.306	.051	.016	.131	.123
42 WOOD FURN,FIX	.048	.000	.020	.033	.020	.000	.011	.054
43 MET FURN,FIXT	.007	.000	.000	.013	.000	.000	.000	.000
44 PAPER,PAP MIL	1.370	.059	.501	.422	.251	.030	.207	.416
45 PAP EX BOX,CT	.545	.940	.201	.191	.176	.011	.079	.087
46 BOXES,PAP CNT	1.126	.049	.600	.357	2.537	.023	.126	.157
47 NEWSPAPERS	.047	.076	.014	.012	.000	.000	.017	.008
48 PUBLISHING	.206	.012	.077	.312	.351	.007	.065	.189
49 PRINTING	.325	.014	.131	.101	.097	.014	.214	.173
50 MANFLC BUS FM	.110	.007	.039	.087	.082	.028	.143	.061

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 73 *	SECTOR 74 *	SECTOR 75 *	SECTOR 76 *	SECTOR 77 *	SECTOR 78 *	SECTOR 79 *	SECTOR 80 *
51 OTH PRNT,PUBS	.131	.009	.034	.226	.100	.000	.028	.034
52 CHLOR,ALKALIE	1.488	.041	.338	.287	17.568	.020	2.464	.129
53 CYCROD INT,IG	2.049	.089	.747	.633	.324	.043	.371	.286
54 ORG CHEM	9.199	.382	3.145	2.658	1.342	.209	.986	1.368
55 INORG CHEM	6.886	.179	.506	3.565	.203	.027	.153	.214
56 FIBERS,PLASTI	1.870	1.146	.682	.578	16.286	.040	.209	.260
57 SYN RUBBER	.211	.077	.065	.065	.032	.000	.024	.030
58 DRUGS	.021	.000	.007	.006	.000	.000	.000	.000
59 AGRIC CHEMICAL	.136	.006	.049	.042	.008	.015	.015	.017
60 SPS,CLNS,TOIL	.274	.012	.127	.085	.040	.008	.056	.279
61 PAINT,VARNISH	.203	.008	1.184	.072	.016	.000	.214	.202
62 OTH CHEMICALS	2.933	.046	.431	.456	.062	.023	.127	.155
63 PETRO REFINING	24.582	.931	7.265	6.137	31.810	.441	2.998	4.624
64 OTH PETRO PRD	.069	.000	.060	.018	.000	.000	.006	.007
65 TIRES	.135	.000	.038	.037	.033	.007	.023	.077
66 FAB RUBBER PR	.336	.014	1.917	.104	.171	.007	.038	.361
67 PLASTIC PRODS	1.065	3.191	.388	.329	.164	.023	.179	.149
68 LEATHER,L PRD	.067	.000	.025	.021	.010	.000	.007	.010
69 GLASS	.556	.024	.203	.172	.086	.012	.077	.000
70 CLAY	.114	.000	.000	.000	.000	.000	7.763	.000
71 CUT ST,CL,SH	3.914	.242	.409	.237	2.841	.012	3.200	2.958
72 CEMENT,CONCRT	.347	.011	.097	.082	.041	.000	.029	.037
73 BLAST FURNACE	140.811	7.736	4.073	.249	.568	.020	21.943	116.429
74 PRI STEEL,IRO	.212	.021	8.911	.589	.033	.279	9.710	8.573
75 FOUNDRIES	3.671	.026	2.648	.182	.099	.574	.176	.323
76 NONFER SMELTG	1.268	.054	.468	121.063	32.810	.322	.140	.174
77 AL SHLT ROL DR	1.363	.059	.726	11.248	214.246	4.165	.373	.309
78 CAST,FORGINGS	.400	.008	.141	.080	.259	.083	1.416	.233
79 FABRI STEEL	7.695	.020	2.114	.140	.070	.010	19.463	.228
80 PLATE WORK	.190	.008	.069	.059	.029	.000	.335	1.741
81 SH MET,ARCH	.696	5.559	.355	.215	.107	.051	13.207	.850
82 METAL DOORS	.010	.000	.000	.000	.014	.000	.000	.000
83 FAB MET PROD	1.121	.051	.410	.367	.794	.023	3.083	.660
84 PLUMBING	.062	.000	.044	.019	.044	.000	.065	.295
85 BOLTS,NUTS,SC	.736	.056	.313	.227	.261	.017	.423	.280
86 ELCTPLT,CT,EN	.193	.008	.070	.060	.030	.000	.177	.043
87 VALVE,PIPE FT	.765	.034	.377	.228	.157	.017	.308	4.252
88 OTH FAB MET P	.173	.008	.153	.053	.027	.000	.019	.225
89 FM,CONS,IND M	.012	.000	.000	.000	.000	.000	.000	.000
90 MTL HOL MC,EQ	.097	.000	.035	.030	1.018	.000	.011	.013
91 MIN MACH,EQUIP	.476	.021	.301	.147	.027	.010	.081	.062
92 ENGINES	.319	.014	.675	.099	.018	.007	.058	.338
93 METAL WK MACH	.210	2.048	.219	.065	.012	.278	.907	1.186
94 IND PROC MACH	.234	.011	.085	.072	.085	.000	.105	.626
95 GEN IND MACH	2.210	.034	.445	.284	.191	.017	.105	.136
96 REFRIG MACH	.064	.000	.023	.020	.000	.000	.008	.008
97 COMPU,ACCT MACH	1.218	.053	7.273	.376	.284	4.312	1.392	.170
98 ELEC INST,AP	.280	.015	.335	.149	8.368	.007	7.543	.047
99 ELEC HSLD EQ	.000	.000	.000	.000	.000	.000	.000	.000
100 ELEC COMM EQ	.409	.018	.274	.156	.536	.008	.046	.096

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 73 *	SECTOR 74 *	SECTOR 75 *	SECTOR 76 *	SECTOR 77 *	SECTOR 78 *	SECTOR 79 *	SECTOR 80 *
101 OTH ELEC APP	.431	.019	.154	.130	.065	.009	.052	.061
102 AIRCRAFT	.032	.000	.012	.010	.000	.000	.000	.000
103 AIRCRAFT ENG	.000	.000	.000	.000	.000	.000	.000	.000
104 OTH AIRCRAFT	.024	.000	.009	.007	.000	.000	.000	.000
105 MOTOR VHCL,P	.110	.000	.076	.037	.029	.012	.028	.104
106 SHIP,BT BLDG	.008	.000	.000	.000	.000	.000	.000	.000
107 OTH TRANS EQ	.082	.000	.030	.025	.000	.000	.009	.011
108 SCIENTIF INS	.027	.000	.010	.000	.000	.000	.000	.000
109 MECH MSRG DV	.080	.000	.029	.025	.012	.000	.009	.011
110 MEDICAL INST	.052	.000	.019	.016	.008	.000	.006	.092
111 PHO,TR,OPT I	.013	.000	.000	.000	.000	.000	.000	.000
112 GAMES,TOYS	.000	.000	.000	.000	.000	.000	.000	.000
113 OTH MFG IND	.388	.016	1.661	.088	.261	.000	.070	.000
114 RAIL TRANS	37.561	6.916	2.636	27.351	22.232	.969	1.160	5.766
115 INTERCTY HGV	.000	.025	.000	.000	.334	.000	.000	.025
116 MOTOR FRT STR	21.953	5.027	10.229	4.127	16.546	3.132	11.333	11.766
117 WATER TRANS	16.813	.747	.659	.828	5.600	.270	4.341	1.714
118 AIR TRANS	.565	.515	.139	1.465	.768	.071	.240	1.098
119 PIPELINE TRN	1.453	.865	.535	1.060	.999	.345	.755	2.167
120 LOC,SUB TRN	.000	.000	.000	.000	.000	.000	.000	.000
121 OTH TRAN SER	.191	.114	.134	.140	.144	.045	.102	.285
122 TELEP,TELEGR	2.322	.796	.808	2.231	1.799	.583	1.464	2.944
123 RADIO , TV	.147	.094	.061	.090	.084	.031	.070	.186
124 OTH COMMUNIC	.007	.000	.000	.000	.000	.000	.000	.010
125 GAS SERVICES	35.247	4.034	4.055	61.791	15.820	3.350	9.846	8.158
126 ELEC SERVICES	66.601	5.586	12.531	74.970	78.398	2.984	30.085	9.606
127 WATER,SANI SERV	.662	.364	.434	5.822	1.356	.478	.484	1.207
128 WHL AUT PT,S	.572	.247	.534	.136	14.124	.098	.152	.451
129 WHL GRO,REL	.174	.083	.064	.061	.124	.022	.067	.236
130 WHL FM PROD	.585	.354	.216	.424	.398	.138	.300	.867
131 WHL LIVESTOC	.031	.019	.011	.023	.021	.007	.016	.047
132 WHL MAC,EQ,S	11.632	1.495	13.810	2.880	3.160	.694	13.079	23.980
133 WHL PET,PETP	2.979	.446	.453	.216	.329	.100	.367	1.166
134 GEN WHL	73.357	2.391	23.151	21.050	17.426	2.450	32.829	34.030
135 LUMBER YARDS	.127	.007	.060	.014	.195	.000	.073	.157
136 FARM EQ DEAL	.161	.156	.388	.000	.067	.000	.118	.134
137 HDW,HT,E,P,M	1.258	.018	.731	.032	.843	.070	.399	1.743
138 DEPT,AVAR STO	2.848	.099	1.127	.041	2.198	.154	.879	3.892
139 FOOD STORES	.115	.033	.096	.006	.079	.007	.036	.155
140 AUTO DEAL,RP	.201	.273	.217	.403	.403	.567	2.018	1.348
141 GAS SER STAT	.076	.103	.088	.074	.067	.008	.095	.276
142 APPRL ACC ST	.000	.000	.000	.000	.015	.000	.000	.000
143 FURN,HH F,REQ	.491	.000	.177	.800	.800	.027	.142	.679
144 EAT,DRINK PL	.129	.178	.056	.144	.553	.097	.337	.933
145 OTHER RETAIL	.758	.135	.811	.292	.585	.067	.225	.991
146 BANK,CRD AGE	15.426	2.551	1.770	24.930	6.949	8.120	1.428	11.804
147 INSURANCE CA	1.912	2.743	3.063	7.988	4.216	1.246	2.735	8.494
148 F,I,R,E, MEC	2.530	.970	.505	.689	4.604	1.224	1.224	2.061
149 LEGAL SERVIC	.866	.398	.418	.787	2.885	.314	1.014	2.498
150 LODGING SERV	.168	.194	.059	.212	.173	.746	.299	.938

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 73 *	SECTOR 74 *	SECTOR 75 *	SECTOR 76 *	SECTOR 77 *	SECTOR 78 *	SECTOR 79 *	SECTOR 80 *
151 PERSONAL SER	.068	.041	.152	.652	.047	.019	.328	.250
152 ADVERTISING	.354	.116	.055	.224	1.248	.037	.160	.295
153 DUPL, ADDRESS	.000	.000	.000	.000	.031	.000	.000	.027
154 PRI EMPL AGE	.070	.041	.025	.055	.047	.022	.413	.151
155 PHOTO SERVIC	.157	.091	.056	.121	.104	.049	.094	.232
156 RESRCH, DEVEL	.206	.125	.106	2.133	.329	.049	.107	.308
157 OTHER BUS SE	1.677	.962	.719	3.623	.504	1.423	1.622	2.663
158 MTN PCT, AM, R	.009	.000	.000	.007	.006	.000	.000	.014
159 AUTO RENT SE	.464	.621	.164	.345	.628	.259	.268	1.636
160 AUTO PARKING	.000	.000	.000	.000	.000	.000	.000	.000
161 ELEC REP SHP	.022	.013	.078	.207	.015	.000	.105	.032
162 MISC REP SER	3.448	1.493	2.427	2.552	.182	1.621	1.430	5.110
163 PHYS, DENT SE	.010	.000	.037	.338	.047	.007	.022	.023
164 HOSP, LAB SER	.007	.000	.000	.109	.015	.000	.000	.012
165 OTH MED SERV	.010	.000	.000	.008	.006	.000	.000	.099
166 ED (PUB, PRI)	2.624	.772	.497	4.597	1.399	.320	1.327	2.238
167 COLL, UNIV	1.259	.448	.269	1.088	.654	.162	.560	1.078
168 OTH ED SERV	.000	.000	.000	.000	.000	.000	.000	.000
169 ENG, ARCH SER	.535	.310	.209	.415	.367	.167	5.815	.791
170 COMPU, ACCT SERV	.776	.452	.296	1.029	.900	.170	.992	1.636
171 OTH PROF SER	.015	.000	.000	.000	.113	.000	.000	.240
172 OTHER SERVIC	.210	.125	.109	.650	.407	.052	.209	.342
173 ORD, ORD ACCS	.000	.000	1.034	.000	.000	.000	.000	.000
174 OUTDOOR REC	.166	.032	.020	.078	.038	.016	.045	.097
175 SCRAP	2.392	.212	3.188	81.883	4.436	.092	1.391	.533
176 HOUSEHOLDS	190.748	50.772	122.583	423.536	174.127	46.902	139.974	280.512
177 PROP PAY	17.186	22.148	27.950	64.047	122.577	6.388	30.649	22.789
178 FEDERAL GOVT	23.149	5.456	11.536	15.197	42.739	1.156	44.423	20.742
179 STATE GOVT	7.867	.309	.375	1.368	.446	.100	3.552	.889
180 LOCAL GOVT	8.842	1.204	.990	7.777	.849	.615	2.448	1.862
181 DEPRECIATION	133.829	3.032	10.532	33.140	13.315	4.063	16.993	13.106
182 IMPORTS	572.935	161.215	99.978	654.845	339.755	25.762	177.679	244.968
TOTAL VALUE ADDED	381.621	82.921	173.966	545.065	354.053	59.224	238.039	339.900
TOTAL PURCHASES	1638.582	314.770	439.918	2007.258	1249.867	132.464	700.240	902.458

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 81 *	SECTOR 82 *	SECTOR 83 *	SECTOR 84 *	SECTOR 85 *	SECTOR 86 *	SECTOR 87 *	SECTOR 88 *
1 IRR COTTON	.029	.427	.016	.014	.023	.007	.064	.000
2 IRR FOOD GRAIN	.042	.607	.022	.019	.032	.011	.092	.000
3 IRR FEED GRAIN	.006	.092	.000	.000	.000	.000	.014	.000
4 OTHER IRR CROP	.039	.570	.021	.018	.031	.010	.086	.000
5 DRYLAND COTTON	.018	.261	.010	.008	.014	.000	.039	.000
6 DRY FOOD GRAIN	.016	.229	.008	.008	.012	.000	.035	.000
7 DRY FEED GRAIN	.034	.493	.018	.016	.026	.009	.074	.000
8 OTHER DRY CROP	.015	.227	.008	.008	.012	.000	.034	.000
9 RANGE LIVESTOCK	.087	1.260	.047	.039	.067	.022	.189	.009
10 FEEDLOT LIVSTK	.313	4.556	.168	.143	.243	.081	.684	.033
11 DAIRY	.067	.983	.037	.031	.053	.017	.148	.007
12 POULTRY, EGGS	.032	.469	.017	.015	.025	.009	.071	.000
13 AG SUP EX FMC	.000	.000	.000	.000	.000	.000	.000	.000
14 COTTON GINNING	.000	.000	.000	.000	.000	.000	.000	.000
15 AGRIC SERVICES	.000	.000	.000	.000	.000	.000	.000	.000
16 PRIM FORESTRY	.036	.524	.019	.017	.028	.009	.079	.000
17 FISHERIES	.020	.289	.010	.009	.015	.000	.044	.000
18 CRUDE PETRO	1.492	21.750	.805	.684	1.159	.385	3.265	.156
19 NATRL GAS LIQDS.	.227	3.305	.122	.104	.176	.059	.497	.024
20 OIL, GAS FLDV	.064	.938	.035	.029	.050	.016	.141	.006
21 LIGNITE, OTH MINE	.091	1.321	.049	.041	.070	.024	.465	.009
22 RES CONSTRUCT	.000	.000	.000	.000	.000	.000	.000	.000
23 COMM, ED, INST	.000	.000	.000	.000	.000	.000	.000	.000
24 INDUS CONS	.000	.000	.000	.000	.000	.000	.000	.000
25 FACILITY CONS	.000	.000	.000	.000	.000	.000	.000	.000
26 MAINTEN, REPR	5.102	6.783	2.990	.957	4.195	1.384	3.156	1.036
27 MEAT PRODUCTS	.021	.303	.011	.009	.016	.006	.045	.000
28 POULTRY PROD	.000	.018	.000	.000	.000	.000	.000	.000
29 DAIRIES	.007	.101	.000	.000	.000	.000	.015	.000
30 OTH GRAIN MIL	.052	.765	.028	.024	.041	.014	.115	.005
31 ANIMAL FEEDS	.008	.119	.000	.000	.006	.000	.018	.000
32 BAKERY PROD	.000	.011	.000	.000	.000	.000	.000	.000
33 CNND, PSVP, PCK	.000	.060	.000	.000	.000	.000	.009	.000
34 OTH FOOD PROD	.020	.298	.011	.009	.016	.000	.045	.000
35 BEVERAGES	1.061	.592	1.352	.015	.093	.018	.095	.014
36 TEXTILE MILL	.084	.292	.011	.049	.025	.038	.044	.010
37 MBWMC FURN	.010	.040	.000	.000	.000	.000	.000	.000
38 RELATED APPRL	.000	.067	.574	.000	.000	.000	.009	.000
39 LOGGING	.037	.538	.020	.017	.028	.009	.080	.000
40 LUMBER MILLS	.121	.151	.000	.000	.035	.000	.077	.008
41 MILLWORK, WOOD	.164	.987	4.063	.066	.120	.046	.214	.014
42 WOOD FURN, FIX	.000	.057	.027	.013	.021	.010	.039	.000
43 MET FURN, FIXT	.000	.007	.000	.000	.000	.007	.000	.000
44 PAPER, PAP MIL	.352	1.361	.830	.073	.241	.039	.359	.033
45 PAP EX BOX, CT	.059	.540	.068	.029	.084	.015	.307	.008
46 BOXES, PAP CNT	4.531	1.744	2.967	.182	3.881	.027	.203	.200
47 NEWSPAPERS	.217	.104	.000	.000	.073	.025	.014	.121
48 PUBLISHING	1.550	.268	.018	.259	.131	.125	.110	.050
49 PRINTING	.067	.342	1.078	.381	.877	.011	.241	.877
50 MANFLD BUS FM	.198	.117	.124	.035	.029	.006	.087	.006

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 81 *	SECTOR 82 *	SECTOR 83 *	SECTOR 84 *	SECTOR 85 *	SECTOR 86 *	SECTOR 87 *	SECTOR 88 *
51 OTH PRNT,PUBS	.056	.118	.064	.007	.186	.090	.066	.016
52 CHLOR,ALKALIE	.063	.917	.082	.031	.124	.023	.154	.006
53 CYCCRD INT,IG	.140	1.975	.182	.068	.272	.050	.340	.014
54 ORG CHEM	.734	8.905	.761	.284	1.180	2.301	7.541	.084
55 INORG CHEM	.117	1.248	.114	.043	.180	3.224	.237	.011
56 FIBERS,PLASTI	.989	1.802	14.679	.062	.288	8.110	.310	.020
57 SYN RUBBER	.014	.203	.018	.007	.028	.000	.035	.000
58 DRUGS	.000	.020	.090	.000	.080	.000	.000	.007
59 AGR CHEMICAL	.009	.130	.000	.000	.007	.000	.020	.000
60 SPS,CLNS,TOIL	.099	.270	.089	.045	.028	.009	.099	.022
61 PAINT+VARNISH	2.435	.225	19.386	.349	.011	4.708	.237	.073
62 OTH CHEMICALS	.242	1.041	.038	.032	.099	2.795	.164	.007
63 PETRO REFING	3.230	21.256	2.884	.735	1.877	4.589	3.437	.481
64 OTH PETRO PRD	.000	.056	.000	.000	.000	.000	.008	.000
65 TIRES	.012	.107	2.875	.000	.000	.202	.015	.000
66 FAB RUBBER PR	.116	.324	6.363	.011	.017	.006	.051	.010
67 PLASTIC PRODS	2.605	3.918	8.308	2.516	.338	.629	.176	.008
68 LEATHER,L PRD	.287	.088	.379	.196	.029	.020	.132	.142
69 GLASS	.057	3.578	.049	.019	.074	.014	.095	.000
70 CLAY	.000	.012	.000	.000	.000	.000	.000	.000
71 CUT ST,CL,SH	1.838	1.001	.029	.036	.036	.505	2.191	.000
72 CEMENT,CONCRT	.018	.255	.024	.009	.035	.006	.044	.000
73 BLAST FURNACE	1.835	.695	.153	.089	.694	.080	9.946	5.971
74 PRI STEEL,IRO	1.875	.205	3.804	.132	4.279	.447	1.819	1.080
75 FOUNDRIES	.104	.578	20.381	.039	.099	1.342	76.554	1.935
76 NONFER SMELTG	.102	1.205	.320	.047	.167	2.977	2.875	.018
77 AL SMLT ROL DR	5.219	15.668	38.786	.048	4.680	.033	.265	.015
78 CAST,FORGINGS	.222	.179	.848	2.090	.580	.000	3.057	.000
79 FABRI STEEL	57.198	.438	1.093	.015	.060	.011	.188	.264
80 PLATE WORK	.019	.183	.017	.645	1.286	.740	.822	1.156
81 SH MET,ARCH	62.642	.901	7.494	.085	.699	1.838	.547	.000
82 METAL DOORS	.000	.478	.000	.000	.000	.000	.000	.363
83 FAB MET PROD	.184	1.468	2.096	.037	.153	2.792	1.836	1.088
84 PLUMBING	.174	.113	.016	.000	.055	.000	.124	.009
85 BOLTS,NUTS,SC	2.934	1.841	2.069	.156	3.024	.041	2.111	2.545
86 ELCTPLT,CT,EN	5.410	.847	5.563	.007	3.455	3.197	.617	20.857
87 VALVE,PIPE FT	.279	.711	.505	.064	.180	.024	11.486	.079
88 OTH FAB MET P	.012	.312	.026	4.274	.169	.000	.029	10.995
89 FM,CONS,IND M	.000	.012	.000	.000	.000	.000	.000	.000
90 MTL HDL MC,EQ	.763	.093	.000	.000	.000	.000	.014	.000
91 MIN MACH,EQU	.032	.460	.017	.014	.025	.008	11.035	.000
92 ENGINES	.377	.307	.011	.010	.017	.000	.051	.000
93 METAL WK MACH	.042	3.188	.008	.006	2.265	.000	7.127	1.566
94 IND PROC MACH	.015	.240	.008	.007	.012	3.668	.041	.000
95 GEN IND MACH	.448	.751	.034	.076	.048	.018	.237	.019
96 REFRIG MACH	.000	.062	.000	.000	.913	.000	.009	.000
97 COMPU,ACCT MACH	.083	1.174	.107	.057	1.359	.030	.202	.586
98 ELEC INST,AP	.227	.270	.086	2.818	.062	.087	.072	.007
99 ELEC HSLD EQ	.060	.000	.000	.000	.000	.000	.000	.000
100 ELEC COMM EQ	.063	.404	.082	.040	.055	.010	.086	.015

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	SECTOR 81 *	SECTOR 82 *	SECTOR 83 *	SECTOR 84 *	SECTOR 85 *	SECTOR 86 *	SECTOR 87 *	SECTOR 88 *
101 OTH ELEC APP	.028	.406	.041	.014	.056	.011	.070	1.296
102 AIRCRAFT	.000	.031	.000	.000	.000	.000	.000	.000
103 AIRCRAFT ENG	.000	.000	.000	.000	.000	.000	.000	.000
104 OTH AIRCRAFT	.000	.023	.000	.000	.000	.171	.000	.000
105 MOTOR VHCL,P	.044	.008	3.762	.000	.008	.006	.010	.000
106 SHIP,BT BLDG	.000	.008	.000	.000	.000	.000	.000	.000
107 OTH TRANS EQ	.006	.079	.000	.000	.830	.000	.012	.000
108 SCIENTIF INS	.000	.027	.000	.000	.000	.000	.000	.000
109 MECH NSRG DV	.006	.077	.000	.000	.011	.000	.014	.076
110 MEDICAL INST	.085	.051	.000	.000	.007	.000	.000	.000
111 PHO,TH,OPT I	.000	.017	.000	.000	.000	.000	.000	.000
112 GAMES,TOYS	.000	.000	.000	.000	.000	.000	.000	.000
113 OTH MFG IND	1.001	.436	.249	.014	.695	.042	.083	.430
114 RAIL TRANS	10.988	.647	8.436	1.519	2.846	.272	3.715	2.453
115 INTERCTY HGY	.000	.000	.000	.355	.000	.000	.000	.000
116 MOTOR FRT STR	19.645	.576	15.987	2.284	9.030	3.324	7.619	4.609
117 WATER TRANS	7.168	.081	3.351	.618	.357	.021	.789	.009
118 AIR TRANS	1.823	.093	1.173	.624	.622	.175	1.267	.196
119 PIPELINE TRN	1.091	.094	4.289	.402	.457	.027	1.010	.011
120 LOC,SUB TRAN	.000	.000	.000	.000	.000	.000	.000	.000
121 OTH TRAN SER	3.749	.165	.564	.053	.221	.121	.133	.000
122 TELEP,TELEGR	4.364	1.060	2.567	.530	2.484	.744	2.756	.673
123 RADIO, TV	.924	.104	.362	.034	.149	.000	.096	.081
124 OTH COMMUNIC	.034	.005	.018	.000	.007	.000	.078	.000
125 GAS SERVICES	5.107	1.072	14.621	1.279	4.154	3.117	3.471	.471
126 ELEC SERVICES	4.868	1.451	14.837	1.833	9.097	6.719	4.519	2.107
127 WATER,SANI SERV	.811	.154	2.010	.243	1.628	3.998	.747	.315
128 WHL AUT PT,S	.216	.086	1.296	.045	.059	.012	.177	.065
129 WHL GRO,RELP	.077	.006	.564	.032	.044	.101	.136	.046
130 WHL FM PROD	.437	.037	1.786	.161	.183	.032	.404	.000
131 WHL LIVESTOC	.023	.000	.092	.008	.010	.000	.022	.000
132 WHL MAC,EQ,S	6.401	.522	6.461	.812	6.940	1.047	14.677	4.255
133 WHL PET,PETP	.666	.216	2.658	.105	.148	.007	.391	.082
134 GEN WHL	23.333	.912	24.722	8.393	6.093	2.238	19.861	10.214
135 LUMBER YARDS	.013	.000	.026	.014	.032	.000	.102	.050
136 FARM EQ DEAL	.000	.000	.037	.011	.067	.194	.095	.127
137 HDV,HT,E,P,W	.144	.025	.174	.156	.115	.022	1.190	.670
138 DEPT,VAR STO	.135	.044	.518	.498	.268	.141	2.659	1.547
139 FOOD STORES	.032	.000	.125	.014	.015	.034	.102	.060
140 AUTO DEAL,RP	.414	.079	.894	.162	.071	.2012	.421	.127
141 GAS SER STAT	.170	.131	.167	.014	.078	.574	.072	.019
142 APPRL ACC ST	.011	.025	.065	.000	.000	.000	.000	.168
143 FURN,HH F,EQ	.000	.000	.065	.301	.043	.000	.463	.262
144 EAT,DRINK PL	.814	.305	.833	.191	1.213	.397	.189	.166
145 OTHER RETAIL	.182	.095	1.087	.120	.998	.652	.652	.340
146 BANK,CRD AGE	9.444	.728	14.362	.967	5.445	3.137	19.407	.516
147 INSURANCE CA	6.458	1.865	7.471	.521	3.820	1.565	6.759	.670
148 F.I.R.E. NEC	1.818	1.076	5.611	.536	.627	3.678	2.620	1.583
149 LEGAL SERVIC	4.883	.172	1.487	.211	.907	2.398	2.989	.331
150 LODG,IN6 SERV	.722	.091	.844	.271	.303	.086	1.883	.119

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 81 *	SECTOR 82 *	SECTOR 83 *	SECTOR 84 *	SECTOR 85 *	SECTOR 86 *	SECTOR 87 *	SECTOR 88 *
151 PERSONAL SER	.138	.074	.285	.024	.040	.000	.059	.014
152 ADVERTISING	4.638	.134	.577	.136	.224	.027	.211	.634
153 DUPL. ADDRESS	.007	.000	.009	.000	.000	.000	.000	.000
154 PRI EMPL AGE	.051	.000	.202	.020	.038	.000	.098	.000
155 PHOTO SERVIC	.115	.010	.450	.043	.083	.000	.107	.000
156 RESRCH,DEVEL	.155	.013	.655	.057	.216	.028	.145	.000
157 OTHER BUS SE	.796	.454	2.109	1.081	1.350	.326	1.648	.022
158 MTN PCT,AM,R	.007	.000	.026	.000	.000	.000	.006	.296
159 AUTO RENT SE	.377	1.704	2.276	.267	.275	.036	.521	.255
160 AUTO PARKING	.000	.000	.000	.000	.000	.000	.000	.000
161 ELEC REP SHP	.070	.012	.066	.006	.012	.000	.023	.000
162 MISC REP SER	.640	.235	3.215	.128	1.504	.054	1.116	.462
163 PHYS, DENT SE	.008	.019	.033	.009	.000	.000	.008	.000
164 HOSP, LAB SER	.006	.000	.025	.000	.000	.000	.000	.000
165 OTH MED SERV	.008	.000	.031	.000	.000	.000	.006	.000
166 ED(PUB,PRI)	2.911	.557	4.572	.484	.883	.248	1.484	.366
167 COLL, UNIV	.885	.322	2.439	.276	.662	.050	.689	.106
168 OTH ED SERV	.000	.000	.000	.000	.000	.000	.000	.000
169 ENG, ARCH SER	.420	.233	1.536	.146	.283	.010	.365	.000
170 COMPU, ACCT SERV	1.169	.229	1.759	.925	3.099	.083	1.121	.456
171 OTH PROF SER	.006	.013	.017	.000	.653	.000	.016	.000
172 OTHER SERVICE	.584	.762	.563	.081	2.299	.000	.145	.060
173 ORD, ORD ACCS	.000	.000	.000	.000	.000	.000	.000	.000
174 OUTDOOR REC	.122	.035	.246	.015	.000	.000	.056	.027
175 SCRAP	.268	.023	1.053	.099	.113	.007	.265	.000
176 HOUSEHOLDS	184.064	60.793	122.102	34.190	92.834	88.472	453.403	74.337
177 PROP PAY	50.723	22.079	46.229	.822	9.286	4.781	32.424	20.810
178 FEDERAL GOVT	21.443	10.866	12.908	6.945	13.992	9.335	34.063	14.196
179 STATE GOVT	.662	.505	1.266	.171	1.062	.547	.583	.570
180 LOCAL GOVT	2.233	.687	2.275	.580	2.260	1.647	.861	.455
181 DEPRECIATION	12.106	1.862	21.955	1.860	12.037	7.443	11.991	5.022
182 IMPORTS	346.022	46.308	511.366	94.373	274.047	37.743	340.825	84.979
TOTAL VALUE ADDED	271.231	96.792	206.735	44.568	131.471	112.225	533.325	115.390
TOTAL PURCHASES	918.438	295.263	1039.386	184.610	518.610	234.588	1141.509	289.306

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	SECTOR 89 *	SECTOR 90 *	SECTOR 91 *	SECTOR 92 *	SECTOR 93 *	SECTOR 94 *	SECTOR 95 *	SECTOR 96 *
1 IRR COTTON	.073	.009	.435	.016	.000	.000	.007	.032
2 IRR FOOD GRAIN	.103	.014	.620	.023	.000	.006	.009	.044
3 IRR FEED GRAIN	.016	.000	.094	.000	.000	.000	.000	.007
4 OTHER IRR CROP	.097	.012	.581	.022	.000	.006	.009	.042
5 DRYLAND COTTON	.044	.006	.266	.010	.000	.000	.000	.020
6 DRY FOOD GRAIN	.039	.000	.233	.009	.000	.000	.000	.017
7 DRY FEED GRAIN	.084	.011	.503	.019	.000	.000	.008	.036
8 OTHER DRY CROP	.038	.000	.232	.009	.000	.000	.000	.017
9 RANGE LIVESTOCK	.214	.028	1.284	.048	.000	.013	.019	.092
10 FEEDLOT LVSTK	.774	.100	4.345	.174	.000	.048	.070	.335
11 DAIRY	.167	.022	1.003	.037	.000	.010	.015	.072
12 POULTRY,EGGS	1.599	.010	.478	.018	.000	.000	.007	.034
13 AG SUP EX FMC	.000	.000	.000	.000	.000	.000	.326	.000
14 COTTON GINNING	.000	.000	.000	.000	.000	.000	.000	.000
15 AGRIC SERVICES	.000	.000	.000	.000	.000	.000	.000	.000
16 PRIM FORESTRY	.089	.012	.535	.020	.000	.006	.008	.193
17 FISHERIES	.049	.006	.294	.011	.000	.000	.000	.021
18 CRUDE PETRO	3.693	.477	22.171	.831	.019	.227	.335	1.596
19 NATRL GAS LQDS.	.561	.073	3.421	.126	.000	.035	.051	.294
20 OIL,GAS FLDSV	.159	.020	.962	.036	.000	.010	.015	.069
21 LIGNITE,OTH MINE	.258	.029	1.513	.050	.000	.014	.020	.153
22 RES CONSTRUCT	.000	.000	.000	.000	.000	.000	.000	.000
23 COMM,ED,INST	.000	.000	.000	.000	.000	.000	.000	.000
24 INDUS CONS	.000	.000	.000	.000	.000	.000	.000	.000
25 FACILITY CONS	.000	.000	.000	.000	.000	.000	.000	.000
26 MAINTEN,REPR	4.153	.172	35.910	2.203	.383	.324	1.591	.000
27 MEAT PRODUCTS	.052	.006	.309	.012	.000	.000	.000	.022
28 POULTRY PROD	.000	.000	.019	.000	.000	.014	.000	.000
29 DAIRIES	.017	.000	.104	.000	.000	.000	.000	.008
30 OTH GRAIN MIL	.130	.017	.780	.029	.000	.008	.012	.056
31 ANIMAL FEEDS	.020	.000	.122	.000	.000	.000	.000	.009
32 BAKERY PROD	.000	.000	.011	.000	.000	.000	.000	.000
33 CNND,PSVP,PCK	.010	.000	.062	.000	.000	.000	.000	.000
34 OTH FOOD PROD	.051	.007	.303	.011	.000	.000	.000	.022
35 BEVERAGES	.119	.014	.536	.018	.000	.032	.026	.052
36 TEXTILE MILL	.070	.042	.447	.011	.000	.054	.072	.054
37 NBVMC FURN	.000	.000	.071	.000	.000	.000	.000	.000
38 RELATED APPRL	.010	.000	.064	.000	.000	.000	.000	.000
39 LOGGING	.091	.012	.548	.020	.000	.006	.008	1.846
40 LUMBER MILLS	.028	.000	.503	.015	.000	.013	.043	.039
41 MILLWORK,WOOD	.149	.020	.831	.028	.000	.067	.714	.165
42 WOOD FURN,FIX	.017	.000	.148	.000	.000	.017	.050	2.482
43 MET FURN,FIX	.000	.000	.008	.000	.000	.000	.000	.452
44 PAPER,PAP MIL	.263	.037	1.902	.059	.012	.357	.602	.124
45 PAP EX BOX,CT	.099	.058	.710	.026	.034	.017	.063	.048
46 BOXES,PAP CNT	.206	.121	1.326	.041	.000	.011	8.061	3.462
47 NEWSPAPERS	.018	.000	.140	.017	.000	.020	.016	.000
48 PUBLISHING	.227	.035	1.245	.007	.012	.610	.323	.191
49 PRINTING	.758	.042	1.197	.012	.032	.708	.099	.364
50 MANFLD BUS FH	.025	.009	.248	.009	.013	.010	.046	.026

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 89 *	SECTOR 90 *	SECTOR 91 *	SECTOR 92 *	SECTOR 93 *	SECTOR 94 *	SECTOR 95 *	SECTOR 96 *
51 OTH PRNT,PUBS	.051	.040	.233	.090	.043	.017	.000	.040
52 CHLOR,ALKALIE	.154	.020	1.211	.034	1.469	.136	.025	.066
53 CYCCRD INT,I6	.341	.044	2.193	.075	.000	.021	.037	.145
54 ORG CHEM	1.440	.182	9.491	.317	.012	.102	9.479	.611
55 INORG CHEM	.215	.027	1.908	.048	.000	.016	.099	.092
56 FIBERS,PLASTI	.311	.040	2.305	.069	.009	.036	.034	.137
57 SYN RUBBER	.035	.000	.226	.008	.000	.000	.000	.015
58 DRUGS	.021	.000	.274	.000	.000	.000	.000	.000
59 AGRIC CHEMICAL	.022	.000	.134	.000	.000	.000	.000	.010
60 SPS,CLNS,TOIL	.079	.010	.834	.111	.009	.051	.046	.051
61 PAINT+VARNISH	.269	.000	1.476	.007	.000	.068	3.131	1.457
62 OTH CHEMICALS	.361	.023	1.088	.039	.044	.024	.047	.077
63 PETRO REFING	7.514	.453	28.083	1.040	.282	1.463	.830	2.263
64 OTH PETRO PRD	.009	.000	.327	.000	.000	.006	.000	.328
65 TIRES	20.277	.000	2.837	.041	.000	.007	.086	.008
66 FAB RUBBER PR	.079	.370	5.682	.012	.000	.057	.056	16.372
67 PLASTIC PRODS	.185	.023	1.191	.039	.037	.011	.590	41.367
68 LEATHER,L PRD	.103	.022	.428	.000	.000	.202	.075	.157
69 GLASS	.098	.012	.628	.029	.000	.006	.484	.039
70 CLAY	.000	.000	.013	.000	.000	.000	.000	.000
71 CUT ST,CL,SH	.045	.006	3.364	.010	.026	.012	17.974	.177
72 CEMENT,CONCRT	.044	.000	.297	.010	.000	.000	.024	.019
73 BLAST FURNACE	39.474	.461	44.448	.254	3.475	8.547	20.155	.129
74 PRI STEEL,IRO	3.010	2.577	17.871	.008	.164	7.570	.912	4.683
75 FOUNDRIES	3.041	.440	31.876	.190	.000	12.420	14.571	.054
76 NONFER SMELTG	.208	.026	1.417	.060	14.268	.013	.124	.191
77 AL SMLT ROL DR	.547	.054	8.132	2.578	.070	.019	.226	23.224
78 CAST,FORGINGS	1.724	.391	32.214	.064	2.958	.025	2.675	2.203
79 FABRI STEEL	3.259	.010	14.306	.017	.000	.009	.979	2.984
80 PLATE WORK	.229	.012	1.571	.007	.000	.241	7.670	.014
81 SH MET,ARCH	.115	.023	49.754	.031	.000	.369	18.481	1.905
82 METAL DOORS	.000	.000	.011	.000	.000	.000	.000	.000
83 FAB MET PROD	4.513	1.194	49.615	.293	.024	9.036	2.232	1.978
84 PLUMBING	.029	.000	.429	.014	.011	.034	.202	.018
85 BOLTS,NUTS,SC	4.291	.730	32.860	.084	3.581	.150	2.828	13.899
86 ELCTPLT,CT,EN	.047	.015	7.761	.030	1.590	.000	.679	.014
87 VALVE,PIPE FT	.159	1.983	44.183	.139	.018	.059	4.646	8.460
88 OTH FAB MET P	.037	.000	.306	.006	.377	.000	.802	1.063
89 FM,CONS,IND M	.106	.007	.328	.000	.203	.000	2.065	.000
90 MTL HDL MC,EQ	.016	.036	4.427	.000	.000	.099	.877	.007
91 MIN MACH,EQUP	.078	.010	47.910	.018	.048	.000	.079	.034
92 ENGINES	.477	.007	32.151	.012	.000	.506	.000	.055
93 METAL WK MACH	.280	.523	3.533	.008	.055	.055	6.475	.116
94 IND PROC MACH	.038	.000	.333	.009	.000	6.825	.638	.019
95 GEN IND MACH	1.936	.202	13.871	.565	.347	1.902	2.304	5.672
96 REFRIG MACH	.010	.000	4.420	.000	.000	.000	.000	16.382
97 COMPU,ACCT MACH	14.071	.026	53.898	.972	1.594	1.416	15.497	.094
98 ELEC INST,AP	10.228	.118	23.174	1.771	.000	.467	1.441	48.520
99 ELEC HSLD EQ	.000	.000	.000	.000	.000	.000	.000	.000
100 ELEC COMM EQ	.081	.013	.692	.255	.000	.029	.023	1.411

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 89 *	* SECTOR 90 *	* SECTOR 91 *	* SECTOR 92 *	* SECTOR 93 *	* SECTOR 94 *	* SECTOR 95 *	* SECTOR 96 *
101 OTH ELEC APP	.107	.009	.508	.030	.000	.819	4.912	.029
102 AIRCRAFT	.000	.000	.032	.000	.000	.000	.000	.000
103 AIRCRAFT ENG	.000	.000	.000	.000	.000	.000	.000	.000
104 OTH AIRCRAFT	.000	.000	.028	.000	.000	.000	.000	.000
105 MOTOR VHCL,P	.503	.000	.693	.527	.000	.040	.086	.023
106 SHIP,BT BLDG	.000	.000	.008	.000	.000	.000	.000	.000
107 OTH TRANS EQ	.013	.000	.182	.000	.000	.014	.000	.006
108 SCIENTIF INS	.000	.000	.574	.000	.000	.000	.000	.000
109 MECH MSRG DV	.013	.000	.827	.000	.000	.000	12.564	.025
110 MEDICAL INST	.009	.037	.056	.000	.000	.000	.000	.000
111 PHO,TH,OPT I	.000	.000	.019	.000	.000	.000	.010	.000
112 GAMES,TOYS	.000	.000	.000	.000	.000	.000	.000	.000
113 OTH HFG IND	.578	.143	.833	.033	.249	.026	1.627	.065
114 RAIL TRANS	.930	.247	14.798	1.425	.258	2.113	3.546	2.408
115 INTERCTY HGV	.000	.000	.019	.000	.000	.045	.000	.000
116 MOTOR FRT STR	6.977	3.618	40.541	4.739	.586	3.889	10.094	12.809
117 WATER TRANS	.212	.072	9.899	.490	.000	.464	.375	.850
118 AIR TRANS	.464	.121	5.047	.444	.364	1.218	.320	2.269
119 PIPELINE TRN	.271	.092	4.646	.523	.000	.593	.480	1.088
120 LOC,SUB TRAN	.000	.000	.000	.000	.006	.000	.000	.000
121 OTH TRAN SER	.036	.012	.784	.069	.000	.269	.422	.143
122 TELEP,TELEGR	2.472	.717	15.838	.973	.485	2.624	2.028	1.695
123 RADIO , TV	.023	.016	.591	.098	.000	.118	.052	.091
124 OTH COMMUNIC	.000	.000	.030	.000	.000	.006	.000	.000
125 GAS SERVICES	2.108	.751	21.009	2.070	.303	3.648	2.472	5.923
126 ELEC SERVICES	2.972	.684	38.058	1.363	1.455	4.607	3.602	6.803
127 WATER,SANI SERV	.389	.099	2.847	.258	.065	.722	.422	1.052
128 WHL AUT PT,S	8.055	.009	1.715	.334	.000	.089	.487	.310
129 WHL GRO,RELP	.055	.100	.554	.040	.000	.034	.027	.162
130 WHL FM PROD	.109	.037	1.860	.209	.000	.237	.192	.436
131 WHL LIVESTOC	.006	.000	.099	.011	.000	.013	.010	.023
132 WHL MAC,EQ,S	6.389	10.425	35.904	2.704	2.628	7.946	28.379	36.958
133 WHL PET,PETP	1.488	.370	2.675	.162	.000	.641	.172	.542
134 GEN WHL	19.547	8.335	97.110	2.127	4.104	6.676	19.507	27.487
135 LUMBER YARDS	.091	.242	.624	.027	.000	.000	.007	.128
136 FARM EQ DEAL	.021	.050	.325	.000	.013	.000	.000	.875
137 HDW,HT,E,P,W	.213	.006	2.372	.055	.028	.000	.006	.741
138 DEPT,VAR STO	1.119	.021	4.974	.095	.067	.000	.000	5.640
139 FOOD STORES	.019	.007	.222	.006	.000	.000	.000	.140
140 AUTO DEAL,Rp	1.342	.038	20.473	.118	.317	2.401	1.062	.395
141 GAS SER STAT	.330	.045	.719	.034	.016	.160	.061	.094
142 APPRL ACC ST	.000	.000	.015	.000	.090	.000	.065	.007
143 FURN,HM F,EQ	1.109	.000	.791	.017	.010	.000	.000	6.146
144 EAT,DRINK PL	.475	.034	3.171	.564	.301	1.225	.078	1.223
145 OTHER RETAIL	.664	.000	1.736	.392	.051	.029	.176	1.140
146 BANK,CRD AGE	11.603	2.480	35.792	6.922	2.802	5.459	3.087	13.873
147 INSURANCE CA	8.405	1.517	22.575	4.128	1.209	3.340	2.981	4.598
148 F.I.R.E. NEC	1.388	4.772	59.773	.918	1.071	5.194	3.000	4.849
149 LEGAL SERVIC	4.385	.265	13.859	1.094	.261	1.278	1.609	.977
150 LODGING SERV	.975	.043	1.976	.108	.546	.880	.162	2.350

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 89 *	SECTOR 90 *	SECTOR 91 *	SECTOR 92 *	SECTOR 93 *	SECTOR 94 *	SECTOR 95 *	SECTOR 96 *
151 PERSONAL SER	.026	.000	2.690	.029	.032	.028	.063	.158
152 ADVERTISING	.241	.030	3.374	.418	.026	.346	.117	.763
153 DUPL, ADDRESS	.019	.000	.110	.000	.000	.007	.007	.000
154 PRI EMPL AGE	.043	.025	.337	.025	.000	.028	.023	.052
155 PHOTO SERVIC	.097	.056	4.170	.055	.000	.062	.067	.114
156 RESRCH,DEVEL	.117	.013	.678	.075	.000	.099	.867	.306
157 OTHER BUS SE	2.110	.406	11.329	.283	.036	.366	1.710	2.688
158 MTN PCT,AM,R	.000	.000	1.059	.254	.020	.000	.000	.007
159 AUTO RENT SE	.311	.931	2.208	.158	.186	.865	.290	3.363
160 AUTO PARKING	.000	.000	.000	.000	.000	.000	.000	.000
161 ELEC REP SHP	.000	.000	23.373	.008	.080	2.699	.007	.050
162 MISC REP SER	.818	.316	3.775	.096	.160	.952	.143	1.990
163 PHYS,DENT SE	.000	.000	.138	.008	.000	.200	.028	.014
164 HOSP,LAB SER	.000	.000	.081	.000	.000	.000	.022	.006
165 OTH MED SER	.000	.000	.147	.006	.000	.000	.027	.008
166 ED(PUB,PRI)	.625	.223	5.865	1.364	3.081	1.531	1.040	1.904
167 COLL,UNIV	.377	.082	3.312	.259	.127	.817	.655	.758
168 OTH ED SER	.000	.000	.000	.000	.000	.000	.000	.000
169 ENG,ARCH SER	.347	.287	7.319	.198	.000	10.728	.234	.417
170 COMPU,ACCT SER	.900	.357	7.473	1.700	.373	.918	.923	3.006
171 OTH PROF SER	.006	.000	.056	.000	.014	.000	.000	.000
172 OTHER SERVIC	.204	.016	1.362	.069	.371	.168	.127	.163
173 ORD,ORD ACCS	.000	.000	.000	.000	.000	.000	.000	.000
174 OUTDOOR REC	.039	.000	.338	.020	.000	.022	.018	.071
175 SCRAP	.067	.023	1.146	.129	.000	.146	.126	3.800
176 HOUSEHOLDS	215.354	84.618	1248.142	40.714	113.770	114.318	214.579	244.093
177 PROP PAY	47.982	6.862	388.938	2.695	9.736	17.805	74.054	60.196
178 FEDERAL GOVT	38.686	8.759	267.642	28.713	3.608	12.861	22.118	25.755
179 STATE GOVT	1.910	7.861	31.019	.201	.354	.908	1.138	.568
180 LOCAL GOVT	3.604	.222	23.449	1.265	3.666	.982	1.722	1.308
181 DEPRECIATION	11.419	1.291	165.716	1.786	2.701	4.686	15.087	7.463
182 IMPORTS	262.073	80.478	935.006	146.236	41.117	112.203	180.765	500.807
TOTAL VALUE ADDED	318.955	109.613	2124.906	75.374	133.835	151.560	328.698	339.383
TOTAL PURCHASES	807.467	239.821	4279.961	273.212	227.962	395.231	772.360	1221.111

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 97 *	SECTOR 98 *	SECTOR 99 *	SECTOR 100 *	SECTOR 101 *	SECTOR 102 *	SECTOR 103 *	SECTOR 104 *
1 IRR COTTON	.412	.059	.000	.418	.022	.058	.000	.000
2 IRR FOOD GRAIN	.588	.085	.000	.595	.030	.082	.000	.008
3 IRR FEED GRAIN	.089	.013	.000	.090	.000	.012	.000	.000
4 OTHER IRR CROP	.552	.079	.000	.559	.029	.078	.000	.007
5 DRYLAND COTTON	.252	.036	.000	.256	.013	.035	.000	.000
6 DRY FOOD GRAIN	.221	.032	.000	.224	.012	.031	.000	.000
7 DRY FEED GRAIN	.477	.068	.000	.483	.025	.067	.000	.006
8 OTHER DRY CROP	.220	.032	.000	.223	.011	.031	.000	.000
9 RANGE LIVESTOCK	1.218	.175	.000	1.234	.064	.171	.000	.015
10 FEEDLOT LIVSTK	4.408	.634	.000	4.465	.229	.617	.000	.056
11 DAIRY	.952	.137	.000	.964	.049	.133	.000	.012
12 POULTRY, EGGS	.454	.065	.000	.459	.023	.064	.000	.006
13 AG SUP EX FMC	.000	.000	.000	.000	.000	.000	.000	.000
14 COTTON GINNING	.000	.000	.000	.000	.000	.000	.000	.000
15 AGRI SERVICES	.000	.000	.000	.000	.000	.000	.000	.000
16 PRIM FORESTRY	.507	.073	.000	.514	.026	.071	.000	.007
17 FISHERIES	.279	.040	.000	.283	.015	.039	.000	.000
18 CRUDE PETRO	21.044	3.026	.000	21.313	1.094	2.948	.013	.268
19 NATRL GAS LQDS.	3.198	.490	.000	4.926	.166	.479	.000	.041
20 OIL, GAS FLDV	.908	.130	.000	.919	.047	.127	.000	.011
21 LIGNITE, OTH MINE	1.278	.184	.000	1.557	.070	.243	.000	.021
22 RES CONSTRUCT	.000	.000	.000	.000	.000	.000	.000	.000
23 COMM, ED, INST	.000	.000	.000	.000	.000	.000	.000	.000
24 INDUS CONS	.000	.000	.000	.000	.000	.000	.000	.000
25 FACILITY CONS	.000	.000	.000	.000	.000	.000	.000	.000
26 MAINTEN, REPR	9.068	1.344	1.349	12.207	1.113	11.473	.375	.264
27 MEAT PRODUCTS	.293	.042	.000	.297	.015	.041	.000	.000
28 POULTRY PROD	.017	.000	.000	.018	.000	.000	.000	.000
29 DAIRIES	.098	.014	.000	.100	.000	.013	.000	.000
30 OTH GRAIN MIL	.741	.106	.000	.750	.039	.103	.000	.010
31 ANIMAL FEEDS	.116	.016	.000	.117	.006	.016	.000	.000
32 BAKERY PROD	.011	.000	.000	.011	.000	.000	.000	.000
33 CNND, PSVP, PCK	.058	.008	.000	.059	.000	.008	.000	.000
34 OTH FOOD PROD	.288	.041	.000	.292	.015	.058	.000	.000
35 BEVERAGES	.616	.237	.000	.494	.024	.080	.000	.007
36 TEXTILE MILL	15.742	.069	.000	.436	.015	.077	.000	.007
37 MBWMC FURN	.325	.000	.000	.034	.006	.014	.000	.000
38 RELATED APPRL	.058	.010	.089	.058	.000	.008	.000	.000
39 LOGGING	.521	.075	.000	.527	.027	.073	.000	.007
40 LUMBER MILLS	.520	.037	.000	.134	.007	.018	.000	.000
41 MILLWORK, WOOD	12.387	.943	.000	1.054	.037	.381	.000	.019
42 WOOD FURN, FIX	.277	.017	.000	.200	.000	.020	.000	.000
43 MET FURN, FIXT	.050	.014	.000	.152	.000	.029	.000	.000
44 PAPER, PAP MIL	2.190	.208	.000	4.573	.067	.179	.000	.017
45 PAP EX BOX, CT	.802	.077	.000	1.888	.028	.071	.000	.007
46 BOXES, PAP CNT	1.145	.292	3.435	6.575	.059	.147	.000	.013
47 NEWSPAPERS	.352	.061	.000	.079	.000	.069	.000	.042
48 PUBLISHING	.624	.142	.000	1.760	.016	4.762	.020	.176
49 PRINTING	1.326	.064	.000	2.423	.486	2.353	.000	.000
50 MANFLD BUS FM	.179	.061	.037	2.757	.017	.321	.000	.000

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 97 *	SECTOR 98 *	SECTOR 99 *	SECTOR 100 *	SECTOR 101 *	SECTOR 102 *	SECTOR 103 *	SECTOR 104 *
51 OTH PRNT,PUBS	.508	.073	.136	.342	.099	.082	.031	.007
52 CHLOR,ALKALIE	.878	.151	.000	3.240	.276	.121	.000	.011
53 CYCCRO INT,IG	1.939	.275	.000	6.713	.099	.272	.000	.024
54 ORG CHEM	8.851	1.175	.000	29.589	.417	1.177	.384	.102
55 INORG CHEM	1.382	.174	.000	4.934	.183	.172	.000	.015
56 FIBERS,PLASTI	1.769	.355	.000	11.333	6.324	.246	.000	.049
57 SYN RUBBER	.199	.028	.000	.689	.010	.035	.000	.000
58 DRUGS	.019	.000	.000	.019	.000	.000	.000	.000
59 AGRIC CHEMICAL	.126	.018	.000	.128	.007	.018	.000	.000
60 SPS,CLNS,TOIL	.514	.076	.000	.675	.291	.172	.000	.006
61 PAINT+VARNISH	.894	.775	.000	1.683	1.824	.259	.000	.000
62 OTH CHEMICALS	1.467	.149	.000	1.040	1.950	.991	.000	.013
63 PETRO REFING	27.222	3.074	.000	19.989	1.304	4.796	.023	.290
64 OTH PETRO PRD	.366	.009	.000	.054	.000	.301	.000	.000
65 TIRES	.483	.014	.000	.106	.000	.035	.000	.000
66 FAB RUBBER PR	.741	.216	.000	.356	9.349	.306	.000	.000
67 PLASTIC PRODS	69.836	.722	.000	4.745	39.976	1.164	.000	.013
68 LEATHER,L PRD	.271	.039	.000	.932	.000	.190	.011	.015
69 GLASS	2.166	.075	.000	1.967	.027	.074	.000	.007
70 CLAY	.011	.000	.000	.042	.000	.000	.000	.000
71 CUT ST,CL,SH	2.746	.062	.000	.890	.047	.092	.000	.000
72 CEMENT,CONCRT	.629	.036	.000	.878	.013	.034	.000	.000
73 BLAST FURNACE	6.303	16.520	.000	2.257	.032	11.017	.000	.029
74 PRI STEEL,IRO	47.421	.211	.000	.694	.010	.028	.000	.033
75 FOUNDRIES	42.228	.098	.000	2.001	.029	.092	.000	.210
76 NONFER SMELTG	1.863	2.567	.000	4.099	58.183	.173	.000	.015
77 AL SMLT ROL DR	114.907	1.055	.000	17.182	.066	3.327	.000	.091
78 CAST,FORGINGS	12.015	.240	.000	.806	.009	.169	.000	2.290
79 FABRI STEEL	.621	.198	.000	1.961	.022	.323	.000	.000
80 PLATE WORK	2.278	.030	.000	.687	.009	.508	.000	.000
81 SH MET,ARCH	43.014	.128	.000	3.885	.034	.194	.000	.008
82 METAL DOORS	.019	.000	.000	.034	.000	.000	.000	.000
83 FAB MET PROD	41.025	.177	.000	8.489	.054	.325	.172	.968
84 PLUMBING	8.396	.032	.000	.829	.000	.017	.000	.000
85 BOLTS,NUTS,SC	11.342	1.478	.000	4.363	.557	.980	.010	.025
86 ELCTPLT,CT,EN	5.925	.132	.000	1.896	1.803	.688	.000	2.063
87 VALVE,PIPE FT	3.271	3.648	.000	2.728	.133	.098	.000	.009
88 OTH FAB MET P	.901	.161	.000	4.212	.009	7.123	.000	.000
89 FM,CONS,IND M	.011	.000	.057	.026	.000	.000	.000	.000
90 MTL HDL MC,EQ	.090	.013	.000	.910	.000	.013	.000	.000
91 MIN MACH,EQU	14.080	.155	.000	.450	.023	.106	.000	.006
92 ENGINES	1.106	3.863	.000	1.543	.023	.042	.000	.000
93 METAL WK MACH	7.396	.297	.401	.566	.121	.238	.066	.491
94 IND PROC MACH	5.496	.091	.000	.391	.022	.576	.000	.000
95 GEN IND MACH	1.252	.551	.000	.966	.038	2.402	.000	.011
96 REFRIG MACH	.178	.012	.000	.108	.022	1.244	.000	.000
97 COMPU,ACCT MACH	44.971	.240	.000	16.485	.059	13.410	.000	.014
98 ELEC INST,AP	3.396	7.588	.000	4.694	.016	1.460	.000	.006
99 ELEC HSLD EQ	.000	.000	.000	.013	.000	.000	.000	.000
100 ELEC COMM EQ	5.763	9.807	.000	199.758	9.157	21.232	.000	3.687

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	SECTOR 97 *	SECTOR 98 *	SECTOR 99 *	SECTOR 100 *	SECTOR 101 *	SECTOR 102 *	SECTOR 103 *	SECTOR 104 *
101 OTH ELEC APP	.466	.071	.000	39.410	6.918	4.411	.000	.000
102 AIRCRAFT	.030	.000	.000	.031	.000	3.824	.000	.000
103 AIRCRAFT ENG	.000	.000	.000	.000	.000	1.050	.236	.000
104 OTH AIRCRAFT	.022	.000	.000	.023	.000	2.523	.535	.019
105 MOTOR VHCL,P	.349	8.686	.000	.069	.112	.115	.000	.000
106 SHIP,BT BLDG	.280	.000	.000	.007	.000	.000	.000	.000
107 OTH TRANS EQ	.077	.014	.000	.077	.000	.010	.000	.000
108 SCIENTIF INS	.039	.000	.000	2.680	.000	.017	.000	.000
109 MECH MSRG DV	.076	.011	.000	.303	.000	.433	.000	.000
110 MEDICAL INST	1.020	.134	.000	.266	.000	.599	.000	.000
111 PHO, TM, OPT I	.013	.000	.000	.044	.000	.114	.000	.000
112 GAMES, TOYS	.000	.000	.000	.008	.000	.000	.000	.000
113 OTH MFG IND	4.156	.918	2.637	1.746	.047	1.552	.000	.214
114 RAIL TRANS	9.191	2.041	.160	2.135	1.382	4.416	.058	.044
115 INTERCTY HGY	.059	.000	.000	.000	.000	.000	.000	.000
116 MOTOR FRT STR	11.132	5.803	.000	13.495	2.313	8.763	.188	.597
117 WATER TRANS	1.539	1.087	.000	1.941	.554	2.774	.000	.015
118 AIR TRANS	3.327	.424	.000	5.063	.270	2.933	.147	.062
119 PIPELINE TRN	1.929	1.391	.000	1.790	.708	3.418	.000	.019
120 LOC,SUB TRAN	.000	.000	.000	.000	.000	.000	.000	.000
121 OTH TRAN SER	1.716	.183	.000	1.619	.093	.733	.000	.000
122 TELEP, TELEGR	8.900	3.471	.000	26.750	.769	4.204	.076	.374
123 RADIO, TV	.364	.169	.000	.176	.068	.461	.000	.000
124 OTH COMMUNIC	.009	.009	.000	.042	.000	.096	.000	.000
125 GAS SERVICES	9.218	4.816	.000	8.524	2.604	11.141	.200	.126
126 ELEC SERVICES	18.574	10.029	.000	22.374	3.855	12.035	.355	.559
127 WATER,SANI SERV	2.028	.654	.602	2.618	.549	1.689	.000	.065
128 WHL AUT PT,S	2.100	1.243	.000	.196	.066	.490	.000	.007
129 WHL GR, RELP	.361	.095	.000	.134	.040	.243	.000	.011
130 WHL FM PROD	.772	.558	.000	.716	.284	1.368	.000	.008
131 WHL LIVESTOC	.041	.030	.000	.038	.015	.073	.000	.000
132 WHL MAC, EQ, S	58.044	12.430	5.391	5.593	1.170	11.477	.018	.221
133 WHL PET, PETP	1.721	.473	.000	1.570	.212	2.341	.000	.023
134 GEN WHL	122.969	9.101	.000	121.468	3.505	15.513	.366	3.974
135 LUMBER YARDS	.324	.011	.000	.084	.007	.036	.000	.020
136 FARM EQ DEAL	.279	.722	.000	.017	.000	.133	.000	.013
137 HDW, HT, E, P, M	3.968	.067	.000	.777	.033	.315	.000	.073
138 DEPT, VAR STO	8.288	.628	.000	10.913	.743	.871	.000	.399
139 FOOD STORES	.326	.015	.000	.050	.000	.085	.000	.007
140 AUTO DEAL, RP	2.212	1.469	.000	1.337	.098	.717	.013	.146
141 GAS SER STAT	1.012	.049	.000	.068	.029	.074	.000	.011
142 APPRL ACC ST	.475	.000	.000	.000	.049	.009	.000	.000
143 FURN, HM F, EQ	1.444	.693	.000	15.699	1.105	.280	.000	.399
144 EAT, DRINK PL	2.458	.208	.000	.735	.193	.283	.013	.087
145 OTHER RETAIL	2.196	.935	.000	2.031	.167	.614	.006	.076
146 BANK, CRD AGE	25.766	9.176	3.209	14.485	7.935	8.923	.078	.978
147 INSURANCE CA	22.913	3.258	.000	53.415	2.686	3.419	.061	.561
148 F, I, R, E, NEC	26.390	3.536	.000	26.080	4.801	2.653	.000	1.196
149 LEGAL SERVIC	6.709	1.619	.116	23.561	2.136	1.492	.019	.107
150 LODGING SERV	1.898	.160	.000	.652	.173	.325	.011	.021

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 97 *	SECTOR 98 *	SECTOR 99 *	SECTOR 100 *	SECTOR 101 *	SECTOR 102 *	SECTOR 103 *	SECTOR 104 *
151 PERSONAL SER	1.481	.161	.000	.083	.377	.195	.007	.000
152 ADVERTISING	.639	.264	.198	1.306	.126	.678	.000	.036
153 DUPL, ADDRESS	.111	.000	.000	.000	.074	.074	.000	.000
154 PRI ENPL AGE	.356	.155	.000	2.798	.034	.173	.000	.000
155 PHOTO SERVIC	.245	.146	.000	1.943	.074	1.313	.000	.000
156 RESRCH;DEVEL	.684	.372	.000	.548	.105	18.392	.000	.000
157 OTHER BUS SE	3.827	.893	.000	16.098	1.052	3.728	.123	.512
158 MTN PCT,AM,R	.097	.009	.000	.046	.000	.021	.000	.000
159 AUTO RENT SE	2.048	8.097	.000	1.218	.283	1.254	.000	.011
160 AUTO PARKING	.000	.000	.000	.000	.000	.000	.000	.000
161 ELEC REP SHP	.506	.394	.000	.134	.011	.067	.000	.000
162 MISC REP SER	1.434	.324	.000	2.092	.233	.734	.036	.065
163 PHYS, DENT SE	.064	.053	.000	.088	.106	.024	.000	.000
164 HOSP, LAB SER	.050	.007	.000	.009	.000	.018	.000	.000
165 OTH MED SER	.061	.010	.000	.012	.000	.023	.000	.000
166 ED(PUB,PRI)	4.249	1.429	.372	8.254	.810	4.307	.014	.039
167 COLL, UNIV	3.187	.635	.167	1.921	.455	2.106	.009	.031
168 OTH ED SER	.137	.000	.000	.000	.000	.000	.000	.000
169 ENG, ARCH SER	8.542	.583	.000	1.338	.253	2.894	.007	.007
170 COMPU, ACCT SER	6.629	2.880	15.888	4.185	.722	10.862	.000	.275
171 OTH PROF SER	.029	.006	.000	.084	.000	.264	.000	.000
172 OTHER SERVIC	2.380	.223	.000	2.621	.130	1.563	.000	.014
173 ORD, ORD ACCS	.000	.000	.000	.000	.000	.000	.000	.000
174 OUTDOOR REC	.157	.052	.000	.191	.026	.377	.000	.000
175 SCRAP	.479	.345	.000	.440	.174	.839	.000	.000
176 HOUSEHOLDS	670.509	165.893	38.045	1683.775	64.855	504.699	11.105	29.504
177 PROP PAY	233.581	35.399	6.569	213.597	20.918	29.464	1.172	8.314
178 FEDERAL GOVT	53.194	24.030	3.147	166.570	11.792	33.992	1.131	4.903
179 STATE GOVT	3.249	.674	.236	10.956	.215	2.433	.013	.100
180 LOCAL GOVT	2.751	1.602	.156	2.916	.415	.950	.003	.175
181 DEPRECIATION	53.237	7.488	2.637	62.025	4.463	8.524	.334	.984
182 IMPORTS	497.353	240.981	70.472	1414.439	72.471	1141.855	6.210	23.836
TOTAL VALUE ADDED	1016.521	235.086	50.790	2139.839	102.658	580.062	13.758	43.980
TOTAL PURCHASES	2551.592	645.516	155.506	4459.351	362.325	1993.290	23.649	90.773

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 105 *	* SECTOR 106 *	* SECTOR 107 *	* SECTOR 108 *	* SECTOR 109 *	* SECTOR 110 *	* SECTOR 111 *	* SECTOR 112 *
1 IRR COTTON	.076	.127	.037	.000	.020	.063	.000	.022
2 IRR FOOD GRAIN	.108	.180	.053	.000	.029	.090	.000	.031
3 IRR FEED GRAIN	.016	.027	.008	.000	.000	.014	.000	.000
4 OTHER IRR CROP	.102	.169	.050	.000	.027	.084	.000	.030
5 DRYLAND COTTON	.047	.077	.022	.000	.013	.039	.000	.013
6 DRY FOOD GRAIN	.041	.067	.020	.000	.011	.034	.000	.012
7 DRY FEED GRAIN	.088	.146	.043	.000	.023	.073	.000	.025
8 OTHER DRY CROP	.040	.067	.020	.000	.011	.034	.000	.012
9 RANGE LIVESTOCK	.225	.373	.110	.006	.060	.187	.011	.066
10 FEEDLOT LVSTK	.812	1.351	.395	.022	.218	.675	.039	.238
11 DAIRY	.176	.292	.085	.000	.047	.146	.009	.052
12 POULTRY,EGGS	.084	.139	.041	.000	.022	.069	.000	.025
13 AG SUP EX FMC	.000	.000	.000	.000	.000	.000	.000	.000
14 COTTON GINNING	.000	.000	.000	.000	.000	.000	.014	.000
15 AGRI SERVICES	.000	.000	.000	.000	.000	.000	.000	.000
16 PRIM FORESTRY	.094	.155	.046	.000	.025	.078	.000	.028
17 FISHERIES	.052	.085	.025	.000	.014	.043	.000	.015
18 CRUDE PETRO	3.877	6.446	1.887	.105	1.039	3.221	.186	1.139
19 NATRL GAS LQDS.	.623	.979	.306	.016	.158	.490	.029	.173
20 OIL,GAS FLDSV	.167	.278	.081	.000	.045	.139	.008	.049
21 LIGNITE,OTH MINE	.265	.391	.114	.006	.063	.196	.011	.070
22 RES CONSTRUCT	.000	.000	.000	.000	.000	.000	.000	.000
23 COMM,ED,INST	.000	.000	.000	.000	.000	.000	.000	.000
24 INDUS CONS	.000	.000	.000	.000	.000	.000	.000	.000
25 FACILITY CONS	.000	.000	.000	.000	.000	.000	.000	.000
26 MAINTEN,REPR	3.977	12.755	1.426	.081	1.562	1.278	1.146	.554
27 MEAT PRODUCTS	.054	.090	.026	.000	.015	.045	.000	.016
28 POULTRY PROD	.000	.005	.000	.000	.000	.000	.000	.000
29 DAIRIES	.018	.030	.009	.000	.000	.015	.000	.000
30 OTH GRAIN MIL	.136	.226	.066	.000	.036	.113	.007	.040
31 ANIMAL FEEDS	.021	.035	.010	.000	.006	.018	.000	.006
32 BAKERY PROD	.000	.000	.000	.000	.000	.000	.000	.000
33 CNND,PSVP,PCK	.011	.018	.000	.000	.000	.009	.000	.000
34 OTH FOOD PROD	.053	.088	.026	.000	.014	.044	.000	.015
35 BEVERAGES	.543	.144	.054	3.212	.038	.085	.007	.031
36 TEXTILE MILL	.084	.086	2.057	.000	.014	.074	.000	.033
37 MBWMC FURN	.000	.007	.181	.000	.000	.000	.000	.000
38 RELATED APPRL	.011	.134	.118	.000	.000	.009	.000	.000
39 LOGGING	.096	.159	.047	.000	.026	.080	.000	.028
40 LUMBER MILLS	1.166	.061	.634	.000	.009	.020	.000	.016
41 MILLWORK,WOOD	1.480	5.837	7.024	.009	.066	.124	.059	.076
42 WOOD FURN,FIX	.134	.021	17.258	.000	.000	.007	.000	.008
43 MET FURN,FIXT	.020	.000	.016	.000	.000	.000	.000	.000
44 PAPER,PAP MIL	4.941	.391	.600	.010	.078	.195	.024	.087
45 PAP EX BOX,CT	1.362	.163	.217	.133	.028	.077	.093	.033
46 BOXES,PAP CNT	5.554	.337	.714	.306	.526	1.809	.941	1.844
47 NEWSPAPERS	.063	.061	.106	.000	.017	.013	.000	.018
48 PUBLISHING	.657	.151	.892	.212	.097	.041	.000	.255
49 PRINTING	1.113	.093	.347	.000	.065	1.177	.897	.187
50 MANFLD BUS FM	1.497	.030	.124	.007	.015	.017	.012	.007

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 105	* SECTOR 106	* SECTOR 107	* SECTOR 108	* SECTOR 109	* SECTOR 110	* SECTOR 111	* SECTOR 112 *
51 OTH PRNT,PUBS	.740	.076	.036	.011	.041	.267	.000	.082
52 CHLOR,ALKALIE	2.349	.278	.198	.009	.048	.133	.014	.046
53 CYCCRD INT,IG	5.127	.595	.437	.015	.107	.293	.032	.103
54 ORG CHEM	21.510	2.492	1.880	.063	.450	1.269	.135	.437
55 INORG CHEM	3.227	.376	.275	.012	.067	.184	.020	.067
56 FIBERS,PLASTI	25.837	.557	.399	.203	.098	3.419	.771	35.016
57 SYN RUBBER	.852	.061	.045	.018	.041	.030	.000	.063
58 DRUGS	.000	.006	.000	.000	.000	.070	.000	.000
59 AGRI CHEMICAL	.023	.039	.011	.000	.006	.020	.000	.007
60 SPS,CLNS,TOIL	.097	.112	.288	.000	.013	.048	.000	.033
61 PAINT+VARNISH	1.046	2.572	3.399	.016	.009	1.610	.000	.010
62 OTH CHEMICALS	.190	.324	1.075	.000	.050	.154	.009	.463
63 PETRO REFINNG	4.576	5.710	7.233	.149	2.647	2.942	.303	1.096
64 OTH PETRO PRD	.010	.016	.015	.000	.000	.008	.006	.000
65 TIRES	17.863	.242	1.825	.000	.000	.015	.000	.005
66 FAB RUBBER PR	.058	.096	2.824	.007	.015	.088	.000	.020
67 PLASTIC PRODS	2.662	.304	6.611	.278	.056	8.211	.079	2.120
68 LEATHER,L PRD	.236	.026	.748	.000	.000	.010	.000	1.203
69 GLASS	1.391	.159	6.842	.000	.029	.585	7.900	.028
70 CLAY	.031	.000	.106	.000	.000	.000	.000	.000
71 CUT ST,CL,SH	15.945	.128	.154	.007	.510	.039	.000	.013
72 CEMENT,CONCRT	.661	.076	.056	.000	.014	.038	.000	.013
73 BLAST FURWACE	12.331	28.169	13.157	.006	.047	14.656	.012	.053
74 PRI STEEL,IRO	4.287	.161	1.207	.153	.224	3.149	1.436	.011
75 FOUNDRIES	1.631	.190	7.270	.009	.056	.084	.010	.038
76 NONFER SMELTG	3.516	.374	.357	.013	.065	.179	.020	1.413
77 AL SHLT ROL DR	5.395	3.522	12.829	.050	.010	10.199	.021	.069
78 CAST,FRGINGS	.598	.138	.846	.000	.010	.026	.012	.061
79 FABRI STEEL	7.267	3.614	16.682	.000	.024	.065	.007	.061
80 PLATE WORK	.475	.209	1.269	.000	.010	.034	.000	.010
81 SH MET,ARCH	3.395	.434	31.332	.025	.416	.629	.043	.035
82 METAL DOORS	.038	.000	1.207	.000	.000	.000	.000	.000
83 FAB MET PROD	36.207	.398	1.800	.135	.058	.160	1.626	.065
84 PLUMBING	.229	.107	14.510	.000	.025	.009	.000	.007
85 BOLTS,NUTS,SC	17.334	.228	10.561	.363	.038	.468	.011	.107
86 ELCTPLT,CT,EN	.813	.055	.281	.051	.010	.037	.000	.028
87 VALVE,PIPE FT	1.877	.307	.170	.000	.060	5.994	.013	.045
88 OTH FAB MET P	.434	.049	.244	.014	.149	1.769	.000	.109
89 FM,CONS,IND H	.000	.076	.000	.000	.000	.000	.000	.000
90 MTL HOL MC,EQ	.017	.028	.162	.000	.000	.014	.000	.005
91 MIN MACH,EQU	.082	.136	.040	.000	.232	.068	.000	.024
92 ENGINES	.108	.774	.131	.000	.015	.046	.000	.016
93 METAL WK MACH	.036	.146	4.737	.000	.010	.030	.000	.010
94 IND PROC MACH	.040	.061	.061	.000	.034	.034	.000	.012
95 GEN IND MACH	.137	3.335	4.535	.000	.036	.571	.094	.039
96 REFRIG MACH	.011	.388	.580	.000	.000	.009	.000	.000
97 COMPU,ACCT MACH	3.043	.605	.580	1.429	2.119	.213	26.610	.061
98 ELEC INST,AP	10.013	.336	1.200	.023	.353	.087	.159	.028
99 ELEC HSLD EQ	.024	.030	.154	.000	.000	.000	.000	.000
100 ELEC COMM EQ	1.033	.222	.266	.127	.021	.059	.007	.032

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 105	* SECTOR 106	* SECTOR 107	* SECTOR 108	* SECTOR 109	* SECTOR 110	* SECTOR 111	* SECTOR 112 *
101 OTH ELEC APP	2.304	.121	.112	1.541	.023	.061	.094	.022
102 AIRCRAFT	.006	.009	.000	.000	.000	.000	.000	.000
103 AIRCRAFT ENG	.000	.000	.000	.000	.000	.000	.000	.000
104 OTH AIRCRAFT	.000	.007	.006	.000	.000	.000	.000	.000
105 MOTOR VHCL,P	50.015	.020	1.641	.000	.000	.009	.013	.049
106 SHIP,BT BLDG	.000	.595	.000	.000	.000	.000	.000	.000
107 OTH TRANS EQ	1.558	.023	16.014	.000	.000	.012	.000	.000
108 SCIENTIF INS	.069	.008	.006	7.479	.210	.000	.000	.000
109 MECH MSRG DV	.200	.023	.017	.014	7.729	.011	.000	.000
110 MEDICAL INST	.168	.015	.163	.000	.000	.184	.284	.000
111 PHO,TH,OPT I	.033	.000	.009	.000	.125	.000	.585	.000
112 GAMES,TOYS	.011	.000	.000	.000	.000	.000	.000	.222
113 OTH MFG IND	1.250	.084	.137	.075	3.451	1.585	.010	.082
114 RAIL TRANS	9.215	.831	2.827	.810	.764	2.851	.337	.386
115 INTERCTY HBY	.000	.009	.000	.000	.000	.186	.000	.000
116 MOTOR FRT STR	37.652	1.177	15.020	1.299	1.645	7.146	1.928	1.219
117 WATER TRANS	.661	.973	1.111	.519	.116	1.560	.162	.062
118 AIR TRANS	.931	.334	.340	.271	.730	2.487	.383	.574
119 PIPELINE TRN	.846	.541	1.267	.665	.148	1.793	.207	.080
120 LOC,SUB TRAN	.000	.000	.000	.000	.000	.000	.000	.000
121 OTH TRAN SER	.111	.071	.621	.134	.019	.236	.027	.010
122 TELEP,TELEGR	3.828	.702	2.251	.378	1.257	2.104	1.161	.430
123 RADIO , TV	.127	.054	.177	.056	.013	.151	.029	.021
124 OTH COMMUNIC	.007	.000	.050	.000	.000	.008	.000	.000
125 GAS SERVICES	5.376	2.374	4.149	1.860	1.431	5.784	.976	.295
126 ELEC SERVICES	12.996	4.306	4.350	1.534	2.091	5.610	2.369	1.155
127 WATER,SANI SERV	1.319	.407	.598	.250	1.248	1.354	.327	.101
128 WHL AUT PT,S	9.180	.084	.124	.056	.012	.543	.017	.010
129 WHL GRO,RELP	.476	.143	.087	.039	.008	.148	.018	.624
130 WHL FM PROD	.434	.235	.506	.266	.059	.725	.083	.165
131 WHL LIVESTOC	.018	.011	.027	.014	.000	.038	.000	.000
132 WHL MAC,EQ,S	16.519	6.485	9.989	1.028	.370	4.361	2.415	.328
133 WHL PET,PETP	10.371	.419	1.520	.174	.039	.917	.065	.021
134 GEN WHL	33.816	13.876	61.273	3.731	2.114	11.419	.903	7.008
135 LUMBER YARDS	.184	.193	.556	.000	.000	.065	.009	.000
136 FARM EQ DEAL	.164	.201	.008	.000	.000	.053	.000	.041
137 HDW,HT,E,P,W	.995	.270	.073	.008	.015	.493	.007	.014
138 DEPT,VAR STO	3.293	.673	.142	.007	.000	1.039	.023	.279
139 FOOD STORES	.195	.042	.015	.000	.000	.062	.006	.219
140 AUTO DEAL,RP	11.092	.183	2.357	.060	.010	.231	.020	.126
141 GAS SER STAT	.747	.060	.498	.024	.189	.202	.010	.021
142 APPRL ACC ST	.000	.000	.000	.000	.000	.000	.000	.000
143 FURN,HM F,EQ	1.650	.108	.024	.000	.000	.166	.000	.000
144 EAT,DRINK PL	.107	.216	.136	.055	1.471	.683	.169	.034
145 OTHER RETAIL	2.895	.231	.123	.039	.024	.368	.027	1.611
146 BANK,CRD AGE	3.606	1.725	3.718	1.125	3.162	5.795	1.449	.299
147 INSURANCE CA	5.335	4.168	5.983	.505	1.481	2.922	1.206	2.272
148 F.I.R.E. NEC	4.778	.635	1.851	.432	1.588	3.389	2.832	.267
149 LEGAL SERVIC	3.284	.836	.774	.194	6.185	1.549	1.569	.115
150 LODGING SERV	.351	.103	.331	.064	2.123	.293	.135	.035

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 105 *	* SECTOR 106 *	* SECTOR 107 *	* SECTOR 108 *	* SECTOR 109 *	* SECTOR 110 *	* SECTOR 111 *	* SECTOR 112 *
151 PERSONAL SER	.290	.027	.427	.031	.385	.297	.070	.000
152 ADVERTISING	.308	.074	.512	.070	1.051	1.018	.039	.981
153 DUPL, ADDRESS	.000	.000	.000	.000	.000	.000	.000	.000
154 PRI EMPL AGE	.040	2.025	.285	.032	.007	.085	.018	.000
155 PHOTO SERVIC	.089	.061	.591	.070	.016	.188	.040	.008
156 RESRCH, DEVEL	.229	.077	.188	.095	.363	.315	.029	.011
157 OTHER BUS SE	1.566	.599	1.933	.314	1.450	1.183	.203	.285
158 MTN PCT, AM, R	.000	.013	.047	.000	.035	.011	.000	.000
159 AUTO RENT SE	11.815	.869	.581	.202	.729	.569	.111	.029
160 AUTO PARKING	.000	.000	.000	.000	.000	.000	.000	.000
161 ELEC REP SHP	.242	.008	.031	.056	.199	.070	.009	.000
162 MISC REP SER	.940	.226	1.283	.122	.158	.480	.187	.071
163 PHYS, DENT SE	.024	.000	.060	.000	.000	.056	.000	.000
164 HOSP, LAB SER	.019	.000	.007	.000	.000	1.276	.000	.000
165 OTH MED SERV	.023	.000	.018	.000	.000	.012	.000	.000
166 ED (PUB, PRI)	5.430	.690	1.165	.526	.247	2.326	.235	.262
167 COLL, UNIV	3.260	.266	1.035	.263	.109	.764	.261	.174
168 OTH ED SERV	.000	.000	.000	.000	.000	.000	.000	.000
169 ENG, ARCH SER	.303	.441	1.856	.238	.709	.642	.136	.028
170 COMPU, ACCT SERV	1.450	.419	.992	.322	.605	1.388	1.174	.479
171 OTH PROF SER	.000	.000	.013	.000	.000	.007	.107	.009
172 OTHER SERVIC	.746	.081	.537	.087	1.858	.671	.127	.622
173 ORD, ORD ACCS	.000	.000	.000	.000	.000	.000	.000	.000
174 OUTDOOR REC	.412	.031	.088	.025	.000	.067	.013	.000
175 SCRAP	.869	.133	.310	.164	.036	.440	.051	.057
176 HOUSEHOLDS	369.735	138.860	154.925	17.311	52.964	85.483	66.611	43.099
177 PROP PAY	75.185	9.748	27.644	1.568	36.729	31.065	9.800	10.784
178 FEDERAL GOVT	80.848	4.368	11.671	.216	9.251	23.379	4.227	8.129
179 STATE GOVT	3.610	.435	1.099	.029	.193	.303	.211	.236
180 LOCAL GOVT	6.613	1.231	.267	.081	.196	1.285	.813	.132
181 DEPRECIATION	67.571	7.151	4.328	.011	3.161	5.617	3.477	1.403
182 IMPORTS	850.876	117.647	196.977	13.640	102.285	88.074	43.502	19.241
TOTAL VALUE ADDED	603.562	161.793	199.934	19.216	102.494	147.132	85.139	63.783
TOTAL PURCHASES	1965.352	420.940	745.655	67.490	265.683	384.571	194.207	152.604

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 113 *	* SECTOR 114 *	* SECTOR 115 *	* SECTOR 116 *	* SECTOR 117 *	* SECTOR 118 *	* SECTOR 119 *	* SECTOR 120 *
1 IRR COTTON	.011	.000	.000	.000	.000	.000	.000	.000
2 IRR FOOD GRAIN	.015	.000	.000	.000	.000	.000	.000	.000
3 IRR FEED GRAIN	.000	.000	.000	.000	.000	.000	.000	.000
4 OTHER IRR CROP	.014	.000	.000	.000	.000	.000	.000	.000
5 DRYLAND COTTON	.006	.000	.000	.000	.000	.000	.000	.000
6 DRY FOOD GRAIN	.006	.000	.000	.000	.000	.000	.000	.000
7 DRY FEED GRAIN	.013	.000	.000	.000	.000	.000	.000	.000
8 OTHER DRY CROP	.006	.000	.000	.000	.000	.000	.000	.000
9 RANGE LIVESTOCK	.032	.000	.000	.000	.000	.000	.000	.000
10 FEEDLOT LIVSTK	.116	.000	.000	.000	.000	.000	.000	.000
11 DAIRY	.025	.000	.000	.000	.000	.000	.000	.000
12 POULTRY, EGGS	.012	.000	.000	.000	.000	.000	.000	.000
13 AG SUP EX FMC	.000	.000	.000	.000	.000	.000	.000	.000
14 COTTON GINNING	.000	.000	.000	.000	.000	.000	.000	.000
15 AGRI SERVICES	.000	.000	.000	.000	.000	.000	.000	.000
16 PRIM FORESTRY	.013	.000	.000	.000	.000	.000	.000	.000
17 FISHERIES	.007	.000	.000	.000	.000	.000	.000	.000
18 CRUDE PETRO	.552	.000	.000	.068	.000	.000	4.190	.000
19 NATRL GAS LQDS.	.154	.000	.000	.000	.000	.000	.000	.000
20 OIL, GAS FLDSV	.024	.000	.000	.000	.000	.000	.000	.000
21 LIGNITE, OTH MINE	.034	5.378	.000	.019	.000	.000	.000	.000
22 RES CONSTRUCT	.000	.000	.000	.000	.000	.000	.000	.000
23 COMM, ED, INST	.000	.000	.000	.000	.000	.000	.000	.000
24 INDUS CONS	.000	.000	.000	.000	.000	.000	.000	.000
25 FACILITY CONS	.000	.000	.000	.000	.000	.000	.000	.000
26 MAINTEN, REPR	.848	1.162	.200	17.480	5.059	28.725	32.038	.075
27 MEAT PRODUCTS	.008	.000	.000	.000	.000	.000	.000	.000
28 POULTRY PROD	.000	.000	.000	.000	.000	.000	.000	.000
29 DAIRIES	.000	.000	.000	.000	.000	.000	.000	.000
30 OTH GRAIN MIL	.019	.000	.000	.000	.000	.000	.000	.000
31 ANIMAL FEEDS	.000	.000	.000	.000	.000	.000	.000	.000
32 BAKERY PROD	.000	.000	.000	.000	.000	.000	.000	.000
33 CNND, PSVP, PCK	.000	.000	.000	.000	.000	.000	.000	.000
34 OTH FOOD PROD	.008	3.615	.000	.015	.000	.000	.000	.000
35 BEVERAGES	.036	.000	.000	.010	.000	.565	.000	.000
36 TEXTILE MILL	5.525	.074	.000	.144	.197	.000	.000	.000
37 MBWMC FURN	1.696	.000	.000	.530	.000	.434	.000	.000
38 RELATED APPRL	.000	.000	.000	.000	.000	.007	.000	.000
39 LOGGING	2.813	.000	.000	.000	.000	.000	.000	.000
40 LUMBER MILLS	.851	.759	.000	.070	.147	.000	.000	.000
41 MILLWORK, WOOD	6.223	.000	.000	.850	.254	.346	.005	.000
42 WOOD FURN, FIX	.974	.000	.000	.068	.151	.011	.010	.000
43 MET FURN, FIXT	.016	.000	.000	.027	.053	.006	.000	.000
44 PAPER, PAP MIL	1.128	5.680	.011	.413	2.273	.017	1.852	.000
45 PAP EX BOX, CT	8.598	.379	.006	4.173	3.016	.025	.752	.000
46 BOXES, PAP CNT	2.755	.000	.000	2.991	.577	.031	.088	.000
47 NEWSPAPERS	2.138	.000	.184	.256	.000	.208	.000	.000
48 PUBLISHING	.523	.046	.000	.074	.386	.011	.152	.000
49 PRINTING	.911	1.944	.111	.500	1.261	.025	.855	.000
50 MANFLD BUS FM	.401	.167	.000	1.846	.629	.164	.109	.000

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 113	* SECTOR 114	* SECTOR 115	* SECTOR 116	* SECTOR 117	* SECTOR 118	* SECTOR 119	* SECTOR 120 *
51 OTH PRNT,PUBS	.643	.129	.000	.414	.191	.032	.019	.000
52 CHLOR,ALKALIE	.032	.000	.000	.139	.082	.000	.006	.000
53 CYCGRD INT,IG	.071	.000	.000	.031	.093	.000	.000	.000
54 ORG CHEM	.336	2.748	.205	4.644	4.599	4.457	.730	.000
55 INORG CHEM	.058	.203	.000	.077	.050	.000	.008	.000
56 FIBERS,PLASTI	10.684	.000	.000	.000	.000	.000	.000	.000
57 SYN RUBBER	.007	.000	.000	.000	.000	.000	.000	.000
58 DRUGS	.404	.000	.000	.000	.000	.000	.000	.000
59 AGRIC CHEMICAL	.000	.000	.000	.000	.000	.000	.000	.000
60 SPS,CLNS,TOIL	.426	.344	.000	.578	.000	.109	.000	.000
61 PAINT+VARNISH	.395	.683	.000	.005	.419	.000	.000	.000
62 OTH CHEMICALS	.748	.723	.000	.000	.000	.000	.037	.000
63 PETRO REFINING	1.221	97.019	9.208	284.322	203.442	260.671	12.561	17.987
64 OTH PETRO PRD	.017	.000	.000	.031	.031	.006	.000	.000
65 TIRES	.099	2.001	.476	52.207	.154	.079	.989	.013
66 FAB RUBBER PR	2.653	.676	.000	.061	.000	.000	.000	.000
67 PLASTIC PRODS	12.398	936	.000	.107	.412	.365	.067	.000
68 LEATHER,L PRD	1.530	.020	.000	.000	.000	.000	.000	.000
69 GLASS	3.580	.757	.000	.015	.126	.000	.020	.000
70 CLAY	.000	.000	.000	.000	.000	.000	.000	.000
71 CUT ST,CL,SH	.183	.334	.010	.398	3.847	.021	5.348	.000
72 CEMENT,CONCRT	1.078	.000	.000	.000	.205	.000	.006	.000
73 BLAST FURWACE	.198	3.442	.000	.075	.862	.000	.108	.000
74 PRI STEEL,IRO	2.173	.513	.000	.012	.181	.000	.018	.000
75 FOUNDRIES	.040	.550	.000	.178	5.165	.034	.167	.000
76 NONFER SMLTGT	.770	.087	.000	.000	.014	.000	.000	.000
77 AL SMLT ROL DR	1.198	.129	.000	.036	.115	.011	.008	.000
78 CAST,FORGINGS	.263	2.542	.000	.060	.452	.017	.071	.000
79 FABRI STEEL	.427	.000	.000	.000	.111	.000	.016	.000
80 PLATE WORK	2.368	.000	.000	.018	.854	.000	.025	.000
81 SH MET,ARCH	6.134	.000	.000	.011	.101	.130	.014	.000
82 METAL DOORS	.059	.000	.000	.000	.076	.017	.000	.000
83 FAB MET PROD	.585	7.714	.011	.426	1.833	.024	.234	.000
84 PLUMBING	.083	.000	.000	.061	.528	.000	.016	.000
85 BOLTS,NUTS,SC	6.082	11.726	.007	.256	2.952	.014	.360	.000
86 ELCTPLT,CT,EN	.007	.000	.000	.000	.000	.000	.000	.000
87 VALVE,PIPE,FT	.365	.469	.011	.304	.813	.073	.066	.000
88 OTH FAB MET P	.270	.390	.000	.191	.073	.012	.012	.000
89 FM,CONS,IND M	.000	.000	.000	.016	.000	.000	.000	.000
90 MTL HDL HC,EQ	.000	.000	.000	.000	.000	.000	.000	.000
91 MIN MACH,EQUIP	.012	.000	.000	.000	.000	.000	.000	.000
92 ENGINES	.250	16.437	.000	.149	.000	.000	4.839	.000
93 METAL WK MACH	.021	4.757	.000	.020	.000	.043	.000	.000
94 IND PROC MACH	.171	.000	.000	.000	.024	.000	.000	.000
95 GEN IND MACH	.405	2.341	.000	.077	.088	.000	4.095	.000
96 REFRIG MACH	.021	.000	.000	.946	.077	.291	.000	.000
97 COMP,ACCT MACH	.042	.000	.000	.415	1.297	1.822	.201	.000
98 ELEC INST,AP	3.709	4.659	.013	.483	2.662	.015	2.636	.000
99 ELEC HSLD EQ	.000	.000	.000	.061	2.826	.000	.083	.000
100 ELEC COMM EQ	.032	4.236	.008	.334	2.724	.183	2.404	.000

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 113	* SECTOR 114	* SECTOR 115	* SECTOR 116	* SECTOR 117	* SECTOR 118	* SECTOR 119	* SECTOR 120 *
101 OTH ELEC APP	.301	4.039	.117	7.496	4.434	.139	.531	.000
102 AIRCRAFT	.000	.000	.000	.034	.000	2.049	.000	.000
103 AIRCRAFT ENG	.000	.000	.000	.000	.000	.000	.000	.000
104 OTH AIRCRAFT	.000	.000	.000	.000	.000	11.351	.000	.000
105 MOTOR VHCL,P	.018	.092	.057	87.588	.947	.028	.028	2.583
106 SHIP,BT BLDG	.000	.000	.000	.167	53.543	.000	.000	.000
107 OTH TRANS EQ	.000	6.592	.000	.027	.000	.000	.000	.000
108 SCIENTIF INS	.000	.000	.000	.000	.000	.000	.000	.000
109 MECH MSRG DV	.000	.000	.009	2.251	2.998	.020	4.415	.000
110 MEDICAL INST	.000	.000	.000	.000	.000	.000	.000	.000
111 PHO,TH,OPT I	.000	.000	.000	.000	.000	.000	.000	.000
112 GAMES,TOYS	.012	.000	.000	.000	.000	.000	.000	.000
113 OTH MFG IND	1.638	.000	.010	.376	.586	.188	.037	.000
114 RAIL TRANS	.725	53.702	.724	14.038	.954	2.187	2.686	.102
115 INTERCTY HBY	.000	9.589	.093	.149	.024	.218	.319	.013
116 MOTOR FRT STR	5.054	5.220	1.246	220.994	1.522	3.661	4.536	.176
117 WATER TRANS	.040	1.881	.309	2.908	64.592	.729	1.247	.044
118 AIR TRANS	.848	7.110	.302	1.187	.078	14.357	1.061	.053
119 PIPELINE TRN	.051	.492	.000	.000	.000	.011	15.993	.000
120 LOC,SUB TRAN	.007	.000	.000	.000	.000	.000	.000	.000
121 OTH TRAN SER	.007	22.906	.497	.207	1.453	9.897	1.710	.070
122 TELEP,TELEGR	1.380	11.909	2.314	60.329	4.230	24.618	40.712	.995
123 RADIO , TV	.303	.000	.040	1.035	.006	.463	.077	.009
124 OTH COMMUNIC	.000	.000	.000	.000	.000	.000	.000	.000
125 GAS SERVICES	1.438	3.615	.716	32.424	.298	3.101	11.755	.316
126 ELEC SERVICES	5.368	5.193	1.596	55.437	1.444	5.488	45.102	.833
127 WATER,SANI SERV	.471	7.696	.162	1.783	.672	.709	5.048	.111
128 WHL AUT PT,S	.297	.000	2.631	30.330	30.076	3.593	3.112	.641
129 WHL GRO,RELP	.011	.000	.000	.007	.000	.000	.000	.015
130 WHL FM PROD	1.050	.000	.000	.008	.000	.000	.000	.000
131 WHL LIVESTOC	.000	.000	.177	.000	.000	.000	.000	.000
132 WHL MAC,EQ,S	1.049	.000	.294	.371	5.628	7.629	.993	.067
133 WHL PET,PETP	.625	45.631	2.583	44.876	12.709	54.388	6.081	5.040
134 GEN WHL	14.848	.206	.871	13.154	26.855	3.103	2.279	.352
135 LUMBER YARDS	.139	.325	.006	.196	.111	.013	.019	.039
136 FARM EQ DEAL	.013	.000	.000	.008	.029	.014	.000	.007
137 HDW,HT,E,P,W	.322	.000	.000	.000	.244	.006	.009	.000
138 DEPT,VAR STO	.573	.000	.000	.027	.185	.057	.000	.013
139 FOOD STORES	.013	.000	.000	.009	.000	.000	.000	.000
140 AUTO DEAL,RP	.508	1.545	.133	38.679	3.238	8.023	2.500	.353
141 GAS SER STAT	.189	.000	.155	19.229	.043	.337	1.035	.027
142 APPRL ACC ST	.000	.000	.000	.164	.027	.000	.000	.000
143 FURN,HM F,EQ	.410	.000	.000	.016	.000	.000	.000	.000
144 EAT,DRINK PL	.330	.000	.099	2.331	.026	4.640	.342	.017
145 OTHER RETAIL	.281	.000	.000	.020	.033	.015	.000	.000
146 BANK,CRD AGE	3.503	11.687	2.532	94.970	31.019	43.912	29.742	.395
147 INSURANCE CA	1.938	1.950	4.329	82.571	63.453	31.992	8.235	4.037
148 F.I.R.E. NEC	5.265	39.126	7.126	240.580	107.532	25.327	34.739	1.619
149 LEGAL SERVIC	2.019	7.497	1.781	58.155	9.200	8.569	4.008	.805
150 LODGING SERV	.374	.000	.120	2.352	.031	5.909	.413	.021

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 113 *	* SECTOR 114 *	* SECTOR 115 *	* SECTOR 116 *	* SECTOR 117 *	* SECTOR 118 *	* SECTOR 119 *	* SECTOR 120 *
151 PERSONAL SER	.017	.000	.050	.870	.000	.028	.042	.000
152 ADVERTISING	.621	3.313	.571	10.498	.574	2.699	.711	.196
153 DUPL, ADDRESS	.011	.000	.019	.008	.000	.542	.065	.000
154 PRI EMPL AGE	.020	.000	.000	.000	.000	.000	.000	.000
155 PHOTO SERVIC	.048	3.946	.039	.102	.010	.097	.134	.005
156 RESRCH, DEVEL	.010	.000	.000	.095	.126	.007	.010	.000
157 OTHER BUS SE	2.310	3.775	.372	7.896	3.579	16.776	1.325	.542
158 MTN PCT, AM, R	.000	.000	.000	.112	.000	.000	.000	.000
159 AUTO RENT SE	.558	.000	.167	34.952	.080	8.213	.575	.149
160 AUTO PARKING	.000	.000	.000	.000	.000	.000	.000	.000
161 ELEC REP SHP	.094	.789	.033	2.157	.009	.079	.115	.000
162 MISC REP SER	.774	.000	.095	.071	5.607	5.444	22.224	.024
163 PHYS, DENT SE	.000	.000	.000	.000	.012	.000	.000	.000
164 HOSP, LAB SER	.000	.000	.000	.000	.000	.000	.000	.000
165 OTH MED SERV	.000	.000	.000	.000	.000	.000	.000	.000
166 ED (PUB, PRI)	2.516	1.696	1.197	42.187	2.946	4.286	4.973	.206
167 COLL, UNIV	1.107	.827	.817	22.082	.891	1.193	3.377	.064
168 OTH ED SERV	.000	.000	.005	.000	.433	.013	.019	.000
169 ENG, ARCH SER	.135	.000	.000	.000	.000	.000	.000	.000
170 COMPU, ACCT SERV	1.186	3.419	.782	18.062	2.154	5.887	4.181	.202
171 OTH PROF SER	.008	.000	.000	.000	.000	.000	.000	.000
172 OTHER SERVIC	6.001	5.260	.444	.425	30.415	1.044	1.529	.062
173 ORD, ORD ACCS	.000	.000	.000	.000	.000	.000	.000	.000
174 OUTDOOR REC	.062	.094	.081	3.989	.128	.149	.201	.007
175 SCRAP	.016	.000	.000	.000	.000	.000	.000	.000
176 HOUSEHOLDS	139.073	792.309	48.533	1642.022	668.476	523.217	136.096	68.466
177 PROP PAY	26.461	30.131	29.616	63.538	100.435	188.582	228.290	4.928
178 FEDERAL GOVT	8.612	93.080	5.122	98.370	43.698	74.496	187.154	4.571
179 STATE GOVT	1.376	.793	1.569	32.893	.940	.829	6.351	.448
180 LOCAL GOVT	1.757	.665	1.911	14.802	3.187	8.065	19.626	.479
181 DEPRECIATION	8.013	58.159	6.909	97.014	29.937	70.629	66.485	7.404
182 IMPORTS	96.819	353.736	17.948	722.628	307.322	248.404	105.448	13.421
TOTAL VALUE ADDED	185.292	975.137	93.660	1948.639	846.673	865.818	644.002	86.296
TOTAL PURCHASES	447.782	1785.764	157.770	4307.948	1880.661	1736.531	1092.894	138.002

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 121 *	* SECTOR 122 *	* SECTOR 123 *	* SECTOR 124 *	* SECTOR 125 *	* SECTOR 126 *	* SECTOR 127 *	* SECTOR 128 *
1 IRR COTTON	.000	.000	.000	.000	.000	.000	.000	.039
2 IRR FOOD GRAIN	.000	.000	.000	.000	.000	.000	.000	.056
3 IRR FEED GRAIN	.000	.000	.000	.000	.000	.000	.000	.008
4 OTHER IRR CROP	.000	.000	.000	.000	.000	.000	.000	.052
5 DRYLAND COTTON	.000	.000	.000	.000	.000	.000	.000	.024
6 DRY FOOD GRAIN	.000	.000	.000	.000	.000	.000	.000	.021
7 DRY FEED GRAIN	.000	.000	.000	.000	.000	.000	.000	.045
8 OTHER DRY CROP	.000	.000	.000	.000	.000	.000	.000	.021
9 RANGE LIVESTOCK	.000	.000	.000	.000	.000	.000	.000	.000
10 FEEDLOT LIVSTK	.000	.000	.000	.000	.000	.000	.000	.000
11 DAIRY	.000	.000	.000	.000	.000	.000	.000	.065
12 POULTRY, EGGS	.000	.000	.000	.000	.000	.000	.000	.043
13 AG SUP EX FMC	.000	.000	.000	.000	.000	.000	.000	.000
14 COTTON GINNING	.000	.000	.000	.000	.000	.000	.000	.000
15 AGRI SERVICES	.000	.000	.000	.000	.000	.000	.000	.000
16 PRIM FORESTRY	.000	.000	.000	.000	.000	.000	.000	.048
17 FISHERIES	.000	.000	.000	.000	.000	.000	.000	.026
18 CRUDE PETRO	.000	.000	.000	.000	4276.797	.000	.000	2.789
19 NATRL GAS LQDS.	.000	.000	.000	.000	.000	.000	.081	.303
20 OIL, GAS FLDSV	.000	.000	.000	.000	.000	.000	.000	.086
21 LIGNITE, OTH MINE	.000	.000	.000	.000	.000	162.624	.000	.122
22 RES CONSTRUCT	.000	.000	.000	.000	.000	.000	.000	.000
23 COMM, ED, INST	.000	.000	.000	.000	.000	.000	.000	.000
24 INDUS CONS	.000	.000	.000	.000	.000	.000	.000	.000
25 FACILITY CONS	.000	.000	.000	.000	.000	.000	.000	.000
26 MAINTEN, REPR	.000	.536	2.210	.041	17.116	8.389	32.653	5.919
27 MEAT PRODUCTS	.000	.000	.000	.000	.000	.000	.000	.017
28 POULTRY PROD	.000	.000	.000	.000	.000	.000	.000	.000
29 DAIRIES	.000	.000	.000	.000	.000	.000	.000	.009
30 OTH GRAIN MIL	.000	.000	.000	.000	.000	.000	.000	.069
31 ANIMAL FEEDS	.000	.000	.000	.000	.000	.000	.000	.000
32 BAKERY PROD	.000	.000	.000	.000	.000	.000	.000	.000
33 CNND, PSVP, PCK	.000	.000	.000	.000	.000	.000	.000	.000
34 OTH FOOD PROD	.000	.000	.000	.000	.000	.000	.000	.028
35 BEVERAGES	.000	.000	.000	.000	.000	.000	.000	.045
36 TEXTILE MILL	.000	.000	.000	.000	.000	.337	.558	.033
37 HBWMC FURN	.000	.157	.000	.000	.608	1.413	.000	.010
38 RELATED APPRL	.000	.000	.000	.000	.274	.110	.129	.122
39 LOGGING	.000	.000	.000	.000	.000	.000	.000	.049
40 LUMBER MILLS	.000	.000	.000	.000	.000	.334	.057	.036
41 MILLWORK, WOOD	.033	34.007	.413	.000	.000	123.619	.830	.198
42 WOOD FURN, FIX	.000	.000	.020	.000	.000	.214	.000	.044
43 MET FURN, FIXT	.000	.000	.015	.000	.000	.151	.000	.020
44 PAPER, PAP MIL	.000	.000	.000	.000	.000	.000	.045	.540
45 PAP EX BOX, CT	.000	.715	.017	.000	1.483	1.183	1.032	.277
46 BOXES, PAP CNT	.000	.143	.094	.000	.000	.550	.000	.409
47 NEWSPAPERS	.000	.888	2.694	.000	3.341	5.946	3.305	7.324
48 PUBLISHING	.000	.612	.467	.528	.195	2.266	.028	.215
49 PRINTING	1.406	43.232	1.287	.000	.087	.359	.012	1.562
50 MANFLD BUS FM	.340	.036	.182	.037	.688	2.181	.101	1.488

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 121 *	* SECTOR 122 *	* SECTOR 123 *	* SECTOR 124 *	* SECTOR 125 *	* SECTOR 126 *	* SECTOR 127 *	* SECTOR 128 *
51 OTH PRNT,PUBS	.061	.255	.163	.182	.220	.488	.644	.447
52 CHLOR,ALKALIE	.000	.247	.006	.000	1.116	9.274	10.680	.346
53 CYCCRD INT,IG	.000	.000	.000	.000	.000	.000	13.923	.739
54 ORG CHEM	.000	.075	.000	.000	6.867	.114	.988	3.476
55 INORG CHEM	.000	.000	.000	.000	.610	.692	1.648	.461
56 FIBERS,PLASTI	.000	.000	.000	.000	.000	.576	.000	.668
57 SYN RUBBER	.000	.000	.000	.000	.000	.000	.000	.075
58 DRUGS	.000	.000	.000	.000	.000	.000	.000	.000
59 AGRIC CHEMICAL	.000	.047	.000	.000	.000	2.529	.090	.013
60 SPS,CLNS,TOIL	.000	.126	.037	.000	.133	.460	.687	.095
61 PAINT,VARNISH	.000	.000	.000	.000	.130	.603	.129	.029
62 OTH CHEMICALS	.000	.000	.000	.000	.211	.000	.023	.106
63 PETRO REFINING	7.937	36.182	.944	1.184	20.579	29.340	10.525	68.086
64 OTH PETRO PRD	.000	.000	.000	.000	8.834	11.930	3.664	.010
65 TIRES	.946	.480	.000	.000	.025	.022	.121	2.847
66 FAB RUBBER PR	.000	.000	.000	.000	.000	.284	1.454	.030
67 PLASTIC PRODS	.000	.000	.035	.000	.000	1.817	1.322	.382
68 LEATHER,L PRD	.000	.000	.000	.000	.000	.028	.113	.059
69 GLASS	.000	.000	.000	.000	.000	.000	.000	.253
70 CLAY	.000	.000	.018	.000	.000	.000	.026	.000
71 CUT ST,CL,SH	.000	.000	.051	.000	.000	.000	.645	.146
72 CEMENT,CONCRT	.000	.727	.017	.000	.000	1.195	3.316	.098
73 BLAST FURNACE	.000	.000	.056	.000	.000	.564	2.349	.240
74 PRI STEEL,IRO	.000	.021	.000	.000	.018	.024	.026	.076
75 FOUNDRIES	.000	.000	.062	.000	.000	.688	.169	.215
76 NONFER SMELTG	.000	.332	.008	.000	.000	.689	.095	.445
77 AL SHLT ROL DR	.000	.120	.089	.000	.000	.750	.413	.494
78 CAST,FRGINGS	.000	.012	.011	.000	.013	.142	.007	.068
79 FABRI STEEL	.000	.000	.033	.000	.000	.339	.000	.162
80 PLATE WORK	.000	.000	.000	.000	.000	.209	.000	.068
81 SH MET,ARCH	.000	.000	.046	.000	1.347	2.823	.000	.251
82 METAL DOORS	.000	.010	.038	.000	.000	.424	.000	.000
83 FAB MET PROD	.000	.282	.007	.000	.044	.076	1.712	.463
84 PLUMBING	.000	.000	.153	.000	.000	1.550	.076	.107
85 BOLTS,NUTS,SC	.000	.000	.000	.000	.000	1.111	.076	.306
86 ELCTPLT,CT,EN	.000	.000	.000	.000	.000	.000	.000	.069
87 VALVE,PIPE FT	.000	.000	.000	.000	88.370	1.663	1.260	.431
88 OTH FAB MET P	.000	.008	.000	.000	.019	.031	.000	.083
89 FM,CONS,IND H	.000	.000	.000	.000	.000	.110	.982	.058
90 MTL HDL MC,EQ	.000	.000	.000	.000	.000	.000	.000	.010
91 MIN MACH,EQUP	.000	.339	.000	.000	.144	.916	.000	.042
92 ENGINES	.000	.000	.000	.000	.093	.238	.000	.110
93 METAL WK MACH	.000	.000	.000	.000	.000	.949	.469	.019
94 IND PROC MACH	.000	.000	.000	.000	.000	.000	1.028	1.263
95 GEN IND MACH	.000	.000	.000	.000	.000	.016	.433	.530
96 REFRIG MACH	.000	.000	.000	.000	.000	.000	.000	2.461
97 COMPU,ACCT MACH	.000	.738	.018	.000	.253	.173	.560	.439
98 ELEC INST,AP	.000	1.598	.043	.000	1.293	3.505	1.522	.181
99 ELEC HSLD EQ	.000	.000	.000	.000	.000	.000	.179	.152
100 ELEC COMM EQ	.000	1.630	2.413	19.405	.000	2.575	.000	.235

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 121	* SECTOR 122	* SECTOR 123	* SECTOR 124	* SECTOR 125	* SECTOR 126	* SECTOR 127	* SECTOR 128 *
101 OTH ELEC APP	.396	.574	.248	1.445	.099	.066	.116	.285
102 AIRCRAFT	.000	.000	.000	.000	.000	.000	.000	.000
103 AIRCRAFT ENG	.000	.000	.000	.000	.000	.000	.000	.000
104 OTH AIRCRAFT	.000	.000	.000	.000	.000	.000	.000	.000
105 MOTOR VHCL,P	.222	.076	.333	.727	.363	.221	.006	2.613
106 SHIP,BT BLDG	.000	.000	.000	.000	.353	.000	.000	.206
107 OTH TRANS EQ	.000	.000	.000	.000	.000	.000	.000	.009
108 SCIENTIF INS	.000	.000	.000	.000	.000	.000	.000	.010
109 MECH MSRG DV	.000	.000	.000	.000	.000	.000	.000	.042
110 MEDICAL INST	.000	.000	.000	.000	.099	.000	2.884	.073
111 PHO,TH,OPT I	.000	.000	.173	.000	.009	.000	.000	.038
112 GAMES,TOYS	.000	.000	.000	.000	.000	.000	.000	.058
113 OTH MFG IND	.000	.049	.102	.000	.000	.075	.513	1.139
114 RAIL TRANS	.325	3.283	.471	.000	1.672	15.578	.699	27.659
115 INTERCTY HGY	.036	.000	.068	.000	.000	.000	.000	.371
116 MOTOR FRT STR	.547	5.789	.875	.034	11.115	13.891	1.529	49.519
117 WATER TRANS	.140	.000	.000	.000	5.557	.000	.000	18.419
118 AIR TRANS	1.950	1.507	5.497	.000	6.275	.079	.052	9.127
119 PIPELINE TRN	.000	.000	.000	.000	.000	.643	.000	21.581
120 LOC,SUB TRAN	.000	.000	.000	.000	.000	.000	.000	.023
121 OTH TRAN SER	1.494	.000	.000	.000	.000	3.763	.000	6.544
122 TELEP,TELEGR	1.443	.000	7.460	2.033	9.256	11.821	1.850	50.443
123 RADIO , TV	.011	1.226	.792	1.842	2.772	5.788	.000	6.131
124 OTH COMMUNIC	.000	.000	2.461	10.549	.000	.000	.000	.375
125 GAS SERVICES	.449	3.972	1.012	.185	101.536	1597.637	26.995	117.348
126 ELEC SERVICES	.798	24.419	7.809	2.716	8.180	.000	72.760	69.328
127 WATER,SANI SERV	.042	6.054	1.561	.306	2.773	29.383	182.547	18.793
128 WHL AUT PT,S	9.313	.000	.000	.000	.091	1.700	.018	6.801
129 WHL GRO,RELP	.000	.000	.014	.000	.000	.000	.000	1.229
130 WHL FM PROD	.000	.000	.000	.000	.000	.000	.000	15.941
131 WHL LIVESTOC	.000	.000	.000	.000	.000	.000	.000	.019
132 WHL MAC,EQ,S	.113	4.568	.672	.000	6.178	10.019	39.281	33.108
133 WHL PET,PETP	1.462	.000	.174	.000	6.549	10.169	4.895	17.205
134 GEN WHL	.968	2.030	1.086	.429	31.734	14.452	4.112	48.745
135 LUMBER YARDS	.000	.000	.000	.000	.000	.043	.000	.093
136 FARM EQ DEAL	.000	.000	.000	.000	.000	.000	.000	.000
137 HDW,HT,E,P,W	.000	.000	.008	.000	.039	.877	.000	.386
138 DEPT,VAR STO	.000	.000	.040	.000	.000	.000	.000	.027
139 FOOD STORES	.000	.000	.021	.000	.000	.000	.000	.091
140 AUTO DEAL,RP	3.533	.000	.145	.000	8.998	43.881	.000	7.567
141 GAS SER STAT	.250	.000	.101	.000	1.123	1.007	.444	10.033
142 APPRL ACC ST	.000	.000	.000	.000	.000	.000	.000	.048
143 FURN,HM F,EQ	.000	.000	.000	.000	.000	.000	.000	.012
144 EAT,DRINK PL	1.364	.547	2.415	.096	.000	.000	.000	19.821
145 OTHER RETAIL	.000	.000	.044	.000	.000	.000	.000	5.116
146 BANK,CRD AGE	5.963	27.585	11.567	8.361	80.096	56.767	16.683	141.282
147 INSURANCE CA	11.664	.893	2.162	.907	3.841	11.654	7.766	82.214
148 F.I.R.E. NEC	17.153	80.003	20.376	3.894	167.119	116.196	.000	158.934
149 LEGAL SERVIC	3.295	4.283	2.877	.782	47.052	28.023	.373	22.124
150 LODGING SERV	1.003	.694	1.287	.030	.974	1.099	.305	28.323

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 121	* SECTOR 122	* SECTOR 123	* SECTOR 124	* SECTOR 125	* SECTOR 126	* SECTOR 127	* SECTOR 128
151 PERSONAL SER	.000	.229	.256	.000	.000	.000	.000	2.075
152 ADVERTISING	.260	2.253	4.624	.000	.298	.441	.000	4.746
153 DUPL, ADDRESS	.007	.950	.227	.237	2.994	1.985	.000	.326
154 PRI, EML, AGE	.000	.000	.000	.000	.223	.000	.000	1.072
155 PHOTO SERVIC	.015	1.317	.842	.000	.000	.000	.000	2.636
156 RESRCH, DEVEL	.000	.000	.000	.000	.000	.000	.000	2.920
157 OTHER BUS SE	12.815	.202	13.722	.050	9.742	2.383	46.359	19.816
158 MTR PCT, AM, R	.000	.000	1.249	.000	.000	.000	.000	.188
159 AUTO RENT SE	.871	.000	.696	.000	.105	.308	.000	34.941
160 AUTO PARKING	.000	.000	.000	.000	.064	.033	.000	.008
161 ELEC REP SHP	.013	.000	1.511	.000	1.365	.000	.279	1.485
162 MISC REP SER	.018	.000	1.160	.386	20.287	7.690	.616	11.775
163 PHYS, DENT SE	.000	.110	.015	.000	.000	.000	.000	.595
164 HOSP, LAB SER	.000	.000	.000	.000	.000	.000	.000	.037
165 OTH MED SER	.000	.000	.000	.000	.000	.000	.000	.015
166 ED(PUB, PRI)	1.811	117.224	17.224	.680	334.395	105.008	.000	51.337
167 COLL, UNIV	.530	35.268	5.211	.083	116.987	44.256	.000	22.044
168 OTH ED SER	.000	.706	.100	.000	.000	.000	.000	.127
169 ENG, ARCH SER	.000	.000	.630	.000	.000	.000	.000	10.939
170 COMPU, ACCT SER	1.729	6.828	3.600	.959	6.868	12.296	4.277	16.220
171 OTH PROF SER	.000	.000	.000	.000	.252	.284	.000	.104
172 OTHER SERVIC	.661	.079	2.871	.000	4.218	5.088	.000	8.699
173 ORD, ORD ACCS	.000	.000	.000	.000	.000	.000	.000	.000
174 OUTDOOR REC	.022	3.803	.554	.000	11.933	.403	.000	2.231
175 SCRAP	.000	.000	.000	.000	.000	.000	.000	4.996
176 HOUSEHOLDS	87.336	728.362	139.121	39.129	386.027	1065.972	489.991	964.844
177 PROP PAY	17.035	146.530	36.735	5.598	203.732	647.215	.000	493.315
178 FEDERAL GOVT	5.478	435.887	35.446	4.272	255.769	257.493	6.624	175.931
179 STATE GOVT	.992	47.838	.475	.141	113.547	28.310	.000	3.688
180 LOCAL GOVT	1.273	61.001	1.173	.532	57.693	118.119	.000	23.299
181 DEPRECIATION	3.903	182.110	15.679	5.257	175.961	254.252	71.112	55.322
182 IMPORTS	62.145	362.238	63.101	20.939	1939.944	789.031	315.133	377.935
TOTAL VALUE ADDED	116.017	1601.728	228.629	54.929	1192.729	2371.361	567.727	1716.399
TOTAL PURCHASES	271.571	2424.499	429.720	136.211	8577.072	5792.948	1445.128	3402.425

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 129 *	* SECTOR 130 *	* SECTOR 131 *	* SECTOR 132 *	* SECTOR 133 *	* SECTOR 134 *	* SECTOR 135 *	* SECTOR 136 *
1 IRR COTTON	.232	.009	.000	1.169	.703	.413	.000	.000
2 IRR FOOD GRAIN	.331	.013	.000	1.664	1.002	.588	.000	.000
3 IRR FEED GRAIN	.050	.000	.000	.251	.151	.089	.000	.000
4 OTHER IRR CROP	.310	.012	.000	1.561	.940	.552	.908	.462
5 DRYLAND COTTON	.142	.005	.000	.714	.430	.253	.000	.000
6 DRY FOOD GRAIN	.124	.000	.000	.627	.377	.221	.000	.000
7 DRY FEED GRAIN	.268	.010	.010	1.350	.813	.478	.000	.000
8 OTHER DRY CROP	.123	.000	.000	.622	.374	.219	.000	.000
9 RANGE LIVESTOCK	.000	.000	.000	.019	.011	.006	.000	.000
10 FEEDLOT LVSTK	.000	.000	.000	.000	.000	.000	.089	.045
11 DAIRY	.388	.015	.000	1.955	1.176	.691	.000	.000
12 POULTRY+E66S	.252	.009	.000	1.270	.764	.449	.028	.014
13 AG SUP EX FMC	.000	.000	.000	.000	.000	.000	.000	.000
14 COTTON GINNING	.000	.000	.000	.000	.000	.000	.000	.000
15 AGRIC SERVICES	.000	.215	.008	.008	.864	.508	.000	.000
16 PRIM FORESTRY	.285	.011	.000	1.436	.864	.508	.000	.000
17 FISHERIES	.157	.006	.000	.790	.475	.280	.008	.000
18 CRUDE PETRO	16.600	.624	.031	83.557	50.301	29.544	.000	.000
19 NATRL GAS LQDS.	1.803	.068	.000	9.134	5.701	5.078	.034	.017
20 OIL,GAS FLDSV	.511	.019	.000	2.572	1.548	1.007	.000	.000
21 LIGNITE,OTH MINE	.725	.027	.000	3.666	2.223	1.580	.000	.000
22 RES CONSTRUCT	.000	.000	.000	.000	.000	.000	.000	.000
23 COMM,ED,INST	.000	.000	.000	.000	.000	.000	.000	.000
24 INDUS CONS	.000	.000	.000	.000	.000	.000	.000	.000
25 FACILITY CONS	.000	.000	.000	.000	.000	.000	.000	.000
26 MAINTEN,REPR	.000	.000	.000	.000	.000	.000	.000	.000
27 MEAT PRODUCTS	16.604	18.390	2.396	58.439	87.812	62.137	1.875	1.138
28 POULTRY PROD	.104	.000	.000	.522	.314	.184	5.665	2.879
29 DAIRIES	.010	.000	.000	.049	.030	.017	.027	.014
30 OTH GRAIN MIL	.052	.000	.000	.262	.158	.093	.263	.134
31 ANIMAL FEEDS	.412	.015	.000	2.074	1.249	.733	.059	.030
32 BAKERY PROD	.023	.000	2.268	.117	.070	.041	.000	.000
33 CNND,PSVP,PCK	.006	.000	.000	.031	.019	.011	.530	.269
34 OTH FOOD PROD	.165	.006	.000	.829	.499	.293	.394	.200
35 BEVERAGES	.266	.010	.000	1.340	.807	.474	.173	.088
36 TEXTILE MILL	.198	4.771	.011	.996	.599	.353	.020	.010
37 MBWMC FURN	.026	.000	.000	.089	.070	.058	.355	.180
38 RELATED APRRL	.510	.012	.000	.263	.152	1.964	.008	.000
39 LOGGING	.293	.011	.000	1.473	.887	.521	.000	.000
40 LUMBER MILLS	.139	.000	.000	.440	.229	.241	.000	.000
41 MILLWORK,WOOD	5.816	.023	.013	3.089	1.846	6.547	.223	.019
42 WOOD FURN,FIX	.094	.000	.000	.213	.100	.199	.010	.007
43 MET FURN,FIXT	.042	.000	.000	.067	.016	.123	.007	.008
44 PAPER,PAP MIL	.850	.048	.032	5.198	2.661	7.410	.096	.072
45 PAP EX BOX,CT	3.539	.805	.041	2.146	1.162	9.796	.054	.037
46 BOXES,PAP CNT	2.792	1.535	.026	3.887	2.119	9.754	.208	.150
47 NEWSPAPERS	4.902	.103	.349	10.763	1.222	26.318	9.542	3.924
48 PUBLISHING	.434	1.080	.008	1.660	.543	9.571	.071	.055
49 PRINTING	1.502	.151	.049	17.795	17.811	38.230	.940	.556
50 MANFLD BUS FM	.626	.748	.012	2.321	.507	5.742	.193	.076

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 129	* SECTOR 130	* SECTOR 131	* SECTOR 132	* SECTOR 133	* SECTOR 134	* SECTOR 135	* SECTOR 136 *
51 OTH PRNT,PUBS	.591	.309	.023	1.834	1.469	3.754	.306	.284
52 CHLOR,ALKALIE	.543	.033	.022	3.333	1.828	2.160	.000	.000
53 CYCCRD INT,IG	1.158	.071	.046	7.110	3.900	4.608	.009	.007
54 ORG CHEM	8.670	.297	.195	30.262	16.317	19.475	1.256	.061
55 INORG CHEM	.723	.044	.029	4.457	2.432	2.926	.000	.000
56 FIBERS,PLASTI	1.047	.064	.042	6.522	3.525	5.753	.000	.000
57 SYN RUBBER	.118	.007	.000	.721	.396	.468	.000	.000
58 DRUGS	.012	.000	.160	.060	.036	.021	.011	.006
59 AGRIC CHEMICAL	.074	.000	.000	.370	.223	.130	.019	.020
60 SPS,CLNS,TOIL	.256	.104	.000	.798	.465	.409	.029	.020
61 PAINT,VARNISH	.140	.000	.000	.603	3.602	.233	.000	.000
62 OTH CHEMICALS	.623	.021	.007	2.857	1.713	1.149	.007	.000
63 PETRO REFING	38.040	8.978	.658	134.016	57.358	140.075	7.631	4.919
64 OTH PETRO PRD	.057	.000	.000	.288	.174	.118	.000	.000
65 TIRES	1.545	.074	.018	.710	62.469	11.271	.102	.796
66 FAB RUBBER PR	.179	.007	.000	.907	.544	.319	.000	.000
67 PLASTIC PRODS	.599	.037	.024	9.279	2.017	2.384	.014	.010
68 LEATHER,L PRD	.158	.000	.000	.283	.189	.340	.014	.007
69 GLASS	.384	.495	.013	1.940	1.063	1.256	.000	.000
70 CLAY	.008	.000	.000	.157	.025	.030	.000	.000
71 CUT ST,CL,SH	.230	.014	.012	1.430	.792	.914	.000	.000
72 CEMENT,CONCRT	.154	.009	.006	.943	.517	.612	.000	.000
73 BLAST FURNACE	.376	.023	.017	2.550	1.266	1.497	.000	.000
74 PRI STEEL,IRO	.119	.007	.000	.737	.402	.474	.000	.000
75 FOUNDRIES	.337	.021	.013	2.103	1.135	1.342	.000	.000
76 NONFER SMELTG	.698	.043	.029	4.293	2.350	2.778	.000	.000
77 AL SMLT ROL DR	.830	.047	.031	4.686	2.621	3.033	.000	.000
78 CAST,FORGINGS	.107	.006	.000	.657	.361	.427	.000	.000
79 FABRI STEEL	.254	.016	.011	1.563	.853	1.008	.000	.000
80 PLATE WORK	.107	.006	.000	.659	.361	.427	.000	.000
81 SH MET,ARCH	.393	.024	.017	2.415	1.324	1.565	.000	.000
82 METAL DOORS	.006	.000	.000	.038	.021	.025	.000	.000
83 FAB MET PROD	.847	.039	.026	16.398	2.147	2.817	.006	.383
84 PLUMBING	.358	.023	.000	.398	.170	.609	.021	.026
85 BOLTS,NUTS,SC	.640	.026	.020	2.655	1.488	1.877	.000	.000
86 ELCTPLT,CT,EN	.107	.007	.000	.660	.362	.428	.000	.000
87 VALVE,PIPE FT	1.041	.036	.024	3.425	1.974	2.564	.035	.037
88 OTH FAB MET P	.136	.051	.000	.619	.384	1.016	.007	.000
89 FM,CONS,IND M	2.802	6.050	.000	2.054	1.424	6.556	.000	.000
90 MTL HDL MC,EQ	.061	.000	.000	.303	.183	4.483	.000	.000
91 MIN MACH,EQUP	.251	.009	.000	4.142	.762	.448	.000	.000
92 ENGINES	.459	.024	.000	1.178	.905	1.426	.072	.068
93 METAL WK MACH	.117	.000	.000	.590	.355	.208	.000	.000
94 IND PROC MACH	.901	.278	.048	1.242	2.287	.249	.033	.016
95 GEN IND MACH	.439	.212	.000	2.198	1.312	.859	.000	.000
96 REFRIG MACH	.045	.000	.000	.230	.139	1.089	.290	.148
97 COMPU,ACCT MACH	.723	.042	.028	4.243	2.321	2.743	.373	.264
98 ELEC INST,AP	.395	.011	.008	1.165	.644	1.088	.190	.132
99 ELEC HSLD EQ	.659	.027	.000	.043	.024	.028	.056	.040
100 ELEC COMM EQ	.373	4.025	.014	1.921	1.053	1.245	.000	.000

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 129	* SECTOR 130	* SECTOR 131	* SECTOR 132	* SECTOR 133	* SECTOR 134	* SECTOR 135	* SECTOR 136 *
101 OTH ELEC APP	.550	.044	.011	1.753	.971	1.428	.106	.036
102 AIRCRAFT	.026	.000	.000	.132	.079	.047	.000	.000
103 AIRCRAFT ENG	.000	.000	.000	.000	.000	.000	.000	.000
104 OTH AIRCRAFT	.013	.000	.000	.067	.040	.024	.000	.000
105 MOTOR VHCL,P	12.183	.145	.000	1.521	1.105	5.584	1.101	.487
106 SHIP,BT BLOG	1.204	.000	.000	.264	.159	.093	.000	.000
107 OTH TRANS EQ	.050	.000	.000	.253	.153	.090	.000	.000
108 SCIENTIF INS	.016	.000	.000	.095	.052	.061	.000	.000
109 MECH MSRG DV	.066	.000	.000	.405	.223	.262	.000	.000
110 MEDICAL INST	.062	.000	.000	.203	.111	.132	.000	.000
111 PHO,TM,OPT I	.008	.000	.000	.050	.027	.032	.000	.000
112 GAMES,TOYS	.181	.000	.000	.012	.007	.008	.000	.000
113 OTH MFG IND	1.756	.156	.009	8.138	.719	8.285	.795	1.044
114 RAIL TRANS	9.022	20.635	.120	20.156	5.087	25.362	.345	.560
115 INTERCTY HGY	.123	.042	.000	.267	.063	1.978	.006	.000
116 MOTOR FRT STR	24.018	68.384	3.038	41.238	8.530	75.821	1.184	1.447
117 WATER TRANS	6.380	117.080	.071	12.885	3.658	19.354	.000	.000
118 AIR TRANS	5.148	1.517	.068	27.363	5.136	14.648	.506	.900
119 PIPELINE TRN	7.110	2.491	.088	15.514	16.154	19.598	.000	.000
120 LOC,SUB TRAN	.007	.000	.000	.106	.000	.115	.000	.000
121 OTH TRAN SER	25.916	7.675	.027	4.734	1.117	6.148	.000	.000
122 TELEP,TELEGR	37.194	8.725	.576	99.797	39.276	128.868	4.679	2.671
123 RADIO , TV	4.044	.738	.096	5.106	2.196	8.765	1.286	1.673
124 OTH COMMUNIC	.526	.043	.000	.396	.121	.803	.000	.000
125 GAS SERVICES	38.556	19.195	.851	81.825	21.796	120.084	1.603	.667
126 ELEC SERVICES	43.404	24.390	1.112	60.271	22.708	192.591	6.861	3.943
127 WATER,SANI SERV	10.734	3.323	.143	14.885	4.200	51.507	1.495	.537
128 WHL AUT PT,S	3.698	4.267	.038	7.013	23.885	5.796	6.845	.403
129 WHL GRO,RELP	.696	.141	.009	.000	.209	7.063	1.453	4.326
130 WHL FM PROD	5.251	11.843	.065	11.028	2.720	15.351	.000	.000
131 WHL LIVESTOC	.006	.000	.099	.013	.000	.017	.000	.000
132 WHL MAC,EQ,S	11.583	17.271	.128	26.977	5.269	33.493	.083	.059
133 WHL PET,PETP	6.362	2.959	.180	10.500	8.064	59.990	5.958	13.577
134 GEN WHL	19.620	30.686	.495	47.270	8.250	64.462	2.005	.753
135 LUMBER YARDS	.053	.179	.000	.000	.016	10.171	.104	9.829
136 FARM EQ DEAL	.000	.000	.000	.000	.000	.979	.000	.952
137 HDW,HT,E,P,W	.061	.151	.000	.159	.030	.624	1.774	.024
138 DEPT,VAR STO	.010	.180	.012	.790	.028	1.461	.123	.258
139 FOOD STORES	.058	.013	.006	.375	.016	1.086	.239	.331
140 AUTO DEAL,RP	11.410	2.435	.160	18.164	163.501	40.055	7.920	1.533
141 GAS SER STAT	2.657	.811	.083	9.117	1.802	24.926	.925	1.979
142 APPRL ACC ST	.072	.005	.000	.060	.008	.224	.000	.000
143 FURN,HH F,EQ	.000	.000	.000	.037	.000	.050	.000	.000
144 EAT,DRINK PL	4.745	1.413	.389	41.439	6.057	37.585	3.258	.361
145 OTHER RETAIL	1.261	.317	.047	2.635	1.182	7.623	.943	.189
146 BANK,CRD AGE	83.960	92.148	1.493	204.726	24.818	355.204	32.430	13.270
147 INSURANCE CA	41.014	15.865	2.643	54.055	42.830	202.886	12.675	5.922
148 F.I.R.E. NEC	60.259	27.568	3.221	174.194	80.982	280.727	17.595	11.471
149 LEGAL SERVIC	8.204	7.731	.157	24.298	13.169	58.825	1.868	.603
150 LODGING SERV	3.913	1.828	.146	43.209	7.659	37.594	1.049	.395

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 129 *	* SECTOR 130 *	* SECTOR 131 *	* SECTOR 132 *	* SECTOR 133 *	* SECTOR 134 *	* SECTOR 135 *	* SECTOR 136 *
151 PERSONAL SER	.834	.115	.000	1.137	.782	2.009	.164	.060
152 ADVERTISING	5.314	.414	.094	4.438	3.663	11.279	.417	.235
153 DUPL, ADDRESS	.117	.034	.000	.203	.047	.451	.278	.112
154 PRI EMP AGE	.367	.118	.000	.702	.165	.891	.000	.000
155 PHOTO SERVIC	.904	.290	.010	1.727	.406	3.432	.504	.158
156 RESRCT, DEVEL	1.944	.333	.013	2.020	.498	2.763	.000	.000
157 OTHER BUS SE	9.153	5.998	.337	26.815	12.904	48.239	1.428	1.523
158 MTN PCT, AM, R	.062	.022	.000	.129	.032	.170	1.748	.598
159 AUTO RENT SE	8.525	3.014	.036	52.054	7.730	38.375	.094	.118
160 AUTO PARKING	.000	.000	.000	.029	.038	.040	.012	.014
161 ELEC REP SHP	3.400	2.300	.005	2.137	2.016	5.311	1.405	.371
162 MISC REP SER	10.555	3.881	.177	14.396	29.209	29.894	.833	1.369
163 PHYS, DENT SE	.099	.022	.000	.179	.033	.427	.033	.013
164 HOSP, LAB SER	.019	.000	.000	.030	.006	.034	.072	.028
165 OTH MED SER	.009	.000	.000	.012	.000	.014	.000	.000
166 ED (PUB, PRI)	17.011	9.653	.315	32.476	13.736	74.276	3.050	.977
167 COLL, UNIV	10.352	3.114	.080	17.225	4.823	26.672	.833	.507
168 OTH ED SER	.033	.208	.000	.092	.017	.092	.000	.000
169 ENG, ARCH SER	3.749	1.204	.040	7.167	1.684	9.096	.000	.000
170 COMPU, ACCT SER	6.679	4.449	.361	35.767	11.578	123.913	4.412	2.190
171 OTH PROF SER	.036	.018	.000	.068	.016	.089	.000	.000
172 OTHER SERVIC	4.559	1.704	.107	5.811	6.232	24.853	.526	.390
173 ORD, ORD ACCS	.000	.000	.000	.000	.000	.000	.000	.000
174 OUTDOOR REC	.699	.321	.018	1.406	.447	4.584	.123	.033
175 SCRAP	1.646	.569	.021	3.457	.853	4.537	.000	.000
176 HOUSEHOLDS	952.238	281.784	50.336	2088.552	1284.398	4213.418	228.751	80.358
177 PROP PAY	193.599	85.047	20.924	521.881	358.985	1647.181	54.142	37.818
178 FEDERAL GOVT	108.770	48.666	1.816	471.413	278.948	586.216	7.754	13.621
179 STATE GOVT	4.766	2.292	.052	22.548	54.060	54.980	6.518	1.085
180 LOCAL GOVT	11.760	4.927	.445	28.161	21.679	92.981	3.809	1.402
181 DEPRECIATION	46.642	35.370	.787	63.963	280.553	157.195	14.875	8.477
182 IMPORTS	352.168	296.607	6.287	599.081	344.251	1325.054	55.306	143.783
TOTAL VALUE ADDED	1317.775	458.086	74.360	3196.518	2278.623	6751.971	315.849	142.761
TOTAL PURCHASES	2379.827	1335.021	104.844	5577.206	3622.486	10879.883	537.995	393.796

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 137 *	* SECTOR 138 *	* SECTOR 139 *	* SECTOR 140 *	* SECTOR 141 *	* SECTOR 142 *	* SECTOR 143 *	* SECTOR 144 *
1 IRR COTTON	.000	.000	.000	.000	.000	.000	.000	.000
2 IRR FOOD GRAIN	.000	.000	.000	.000	.000	.000	.000	.000
3 IRR FEED GRAIN	.000	.000	.000	.000	.000	.000	.000	.000
4 OTHER IRR CROP	.010	.067	.495	.062	.011	.044	.133	94.423
5 DRYLAND COTTON	.000	.000	.000	.000	.000	.000	.000	.000
6 DRY FOOD GRAIN	.000	.000	.000	.000	.000	.000	.000	.000
7 DRY FEED GRAIN	.000	.000	.000	.000	.000	.000	.000	.000
8 OTHER DRY CROP	.000	.000	.000	.000	.000	.000	.000	.044
9 RANGE LIVESTOCK	.000	.000	.000	.000	.000	.000	.000	.000
10 FEEDLOT LVSTK	.000	.007	.048	.006	.000	.000	.013	97.223
11 DAIRY	.000	.000	.000	.000	.000	.000	.000	.000
12 POULTRY,EGGS	.000	.000	.015	.000	.000	.000	.000	1.725
13 AG SUP EX FMC	.000	.000	.000	.000	.000	.000	.000	.000
14 COTTON GINNING	.000	.000	.000	.000	.000	.000	.000	.000
15 AGRI SERVICES	.000	.000	.000	.000	.000	.000	.000	.000
16 PRIM FORESTRY	.000	.000	.000	.000	.000	.000	.000	.000
17 FISHERIES	.000	.000	.000	.000	.000	.000	.000	.528
18 CRUDE PETRO	.000	.000	.000	.000	.000	.000	.000	.000
19 NATRL GAS LQDS.	.000	.000	.018	.070	.000	.000	.000	.078
20 OIL,GAS FLDSV	.000	.000	.000	.000	.000	.000	.000	.000
21 LIGNITE,OTH MINE	.000	.000	.000	.000	.000	.000	.008	.000
22 RES CONSTRUCT	.000	.000	.000	.000	.000	.000	.000	.000
23 COMM,ED,INST	.000	.000	.000	.000	.000	.000	.000	.000
24 INDUS CONS	.000	.000	.000	.000	.000	.000	.000	.000
25 FACILITY CONS	.000	.000	.000	.000	.000	.000	.000	.000
26 MAINTEN,REPR	.100	3.708	5.895	4.421	1.454	4.586	2.729	13.392
27 MEAT PRODUCTS	.065	.413	3.261	.387	.067	.273	.828	370.538
28 POULTRY PROD	.000	.000	.014	.000	.000	.000	.000	1.730
29 DAIRIES	.000	.019	.144	.018	.000	.013	.039	26.659
30 OTH GRAIN MIL	.000	.000	.032	.000	.000	.000	.009	3.895
31 ANIMAL FEEDS	.000	.000	.000	.000	.000	.000	.000	.000
32 BAKERY PROD	.006	.040	.290	.036	.006	.025	.077	34.692
33 CNND,PSVP,PCK	.017	.104	.993	.098	.017	.069	.209	93.695
34 OTH FOOD PROD	.000	.106	.244	.027	.000	.019	.058	25.336
35 BEVERAGES	.000	.136	.243	.196	.063	.132	.293	8.644
36 TEXTILE MILL	.000	.257	.149	.000	.000	.012	.026	.123
37 MBWMC FURN	.000	7.016	.194	.028	.000	5.860	.067	.824
38 RELATED APPRL	.000	.000	.000	.120	.000	.035	.000	.290
39 LOGGING	.000	.000	.000	.000	.000	.000	.000	.000
40 LUMBER MILLS	.000	.000	.000	.000	.000	.000	.000	.000
41 MILLWORK,WOOD	.000	.294	.114	.000	.000	.045	.017	.069
42 WOOD FURN,FIX	.000	.084	.080	.017	.000	.025	4.233	.108
43 MET FURN,FIXT	.000	.070	.062	.008	.000	.024	.000	.118
44 PAPER,PAP MIL	.024	.146	.594	.102	.028	2.467	.045	.416
45 PAP EX BOX,CT	.028	.494	.323	.064	.016	1.335	.163	11.419
46 BOXES,PAP CNT	.057	4.354	1.279	.235	.061	.229	.071	.801
47 NEWSPAPERS	1.248	52.551	114.498	23.894	2.102	28.053	31.723	31.816
48 PUBLISHING	.013	.095	.407	.830	.196	.230	.137	.893
49 PRINTING	.263	1.579	23.396	2.456	.362	2.274	2.718	5.250
50 MANFLD BUS FM	.024	.229	.508	.336	.270	1.426	.151	.575

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 137 *	* SECTOR 138 *	* SECTOR 139 *	* SECTOR 140 *	* SECTOR 141 *	* SECTOR 142 *	* SECTOR 143 *	* SECTOR 144 *
51 OTH PRNT,PUBS	.218	1.064	3.371	1.424	.248	.839	.582	1.870
52 CHLOR,ALKALIE	.000	.000	.000	.000	.000	.000	.000	.000
53 CYCCRD INT,IG	.007	.007	.061	.301	.000	.008	.000	.029
54 ORG CHEM	.018	.045	.512	.386	.023	.102	.026	.261
55 INORG CHEM	.000	.010	.017	.006	.000	.022	.000	.023
56 FIBERS,PLASTI	.000	.000	.018	.000	.000	.000	.000	.000
57 SYN RUBBER	.000	.000	.000	.000	.000	.000	.000	.000
58 DRUGS	.000	.000	.251	.000	.000	.000	.000	.026
59 AGRI CHEMICAL	.000	.349	.010	.000	.000	.000	.000	.043
60 SPS,CLNS,TOIL	.000	.012	.027	.011	.196	.049	.039	.858
61 PAINT+VARNISH	.000	.031	.010	.000	.000	.000	.000	.009
62 OTH CHEMICALS	.000	.007	.006	.000	.000	.000	.000	.466
63 PETRO REFING	1.707	1.638	3.508	10.582	109.639	2.437	4.250	11.160
64 OTH PETRO PRD	.000	.000	.000	.000	.000	.000	.000	.000
65 TIRES	.091	.016	.054	1.522	.000	.014	.029	.209
66 FAB RUBBER PR	.000	.000	.000	.000	.000	.000	.000	.010
67 PLASTIC PRODS	.000	.006	.086	.019	.000	.011	.000	.043
68 LEATHER,L PRD	.000	.030	.095	.032	.007	.035	.033	.297
69 GLASS	.000	.000	.011	.065	.000	.000	.000	.156
70 CLAY	.000	.010	.024	.000	.000	.000	.000	.000
71 CUT ST,CL,SH	.000	.000	.015	.000	.007	.000	.000	.000
72 CEMENT,CONCRT	.000	.000	.000	.000	.000	.000	.000	.000
73 BLAST FURNACE	.000	.000	.000	.000	.000	.000	.000	.000
74 PRI STEEL,IRO	.000	.000	.008	.045	.000	.000	.000	.000
75 FOUNDRIES	.000	.000	.000	.000	.000	.000	.000	.000
76 NONFER SMELTG	.000	.000	.000	.000	.000	.000	.000	.000
77 AL SMLT ROL DR	.000	.000	.019	.110	.000	.000	.000	.010
78 CAST,FORGINGS	.000	.000	.000	.000	.000	.000	.000	.000
79 FABRI STEEL	.000	.000	.000	.013	.000	.000	.000	.000
80 PLATE WORK	.000	.000	.000	.000	.000	.000	.000	.000
81 SH MET,ARCH	.000	.000	.000	.000	.000	.000	.000	.000
82 METAL DOORS	.000	.000	.000	.000	.000	.000	.000	.000
83 FAB MET PROD	.000	.000	.034	.198	.000	.000	.000	3.552
84 PLUMBING	.000	.010	.159	.024	.006	.018	.007	1.256
85 BOLTS,NUTS,SC	.000	.000	.045	.023	.000	.000	.000	.007
86 ELCTPLT,CT,EN	.000	.000	.000	.000	.000	.000	.000	.000
87 VALVE,PIPE FT	.008	.016	.214	.476	.010	.030	.011	1.475
88 OTH FAB MET P	.000	.000	.043	.244	.000	.006	.000	.022
89 FM,CONS,IND M	.000	.000	.000	.000	.000	.000	.000	.000
90 MTL HDL MC,EQ	.000	.000	.000	.000	.000	.000	.000	.000
91 MIN MACH,EQUP	.000	.000	.000	.000	.000	.000	.000	.000
92 ENGINES	.000	.005	.039	2.288	.087	.000	.010	.167
93 METAL WK MACH	.000	.000	.000	.126	.000	.000	.000	.009
94 IND PROC MACH	.000	.000	.018	.000	.000	.000	.000	2.177
95 GEN IND MACH	.000	.000	.000	.000	.000	.000	.000	2.980
96 REFRIG MACH	.000	6.070	.161	.020	.000	.014	.043	.675
97 COMPU,ACCT MACH	.077	.171	2.283	.415	.108	.331	.118	24.980
98 ELEC INST,AP	.039	3.409	1.141	.233	.055	.256	.072	1.599
99 ELEC HSLD EQ	.012	.025	.344	.062	.016	.048	22.262	3.690
100 ELEC COMM EQ	.000	.000	.000	.000	.000	.000	.000	.000

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 137 *	* SECTOR 138 *	* SECTOR 139 *	* SECTOR 140 *	* SECTOR 141 *	* SECTOR 142 *	* SECTOR 143 *	* SECTOR 144 *
101 OTH ELEC APP	.011	.044	.317	1.689	.022	.049	.042	.165
102 AIRCRAFT	.000	.000	.000	.000	.000	.000	.000	.000
103 AIRCRAFT ENG	.000	.000	.000	.000	.000	.000	.000	.000
104 OTH AIRCRAFT	.000	.000	.000	.000	.000	.000	.000	.000
105 MOTOR VHCL,P	.032	.095	2.142	27.068	.068	.106	.450	2.172
106 SHIP,BT BLDG	.000	.000	.000	.000	.000	.000	.000	.000
107 OTH TRANS EQ	.000	.000	.000	.000	.000	.000	.000	.000
108 SCIENTIF INS	.000	.000	.000	.000	.000	.000	.000	.000
109 MECH MSRG DV	.000	.000	.000	.000	.000	.000	.000	.000
110 MEDICAL INST	.000	.000	.000	.000	.000	.000	.000	.000
111 PHO,TH,OPT I	.000	.000	.000	.000	.000	.000	.000	.000
112 GAMES,TOYS	.000	.000	.000	.000	.000	.000	.000	.000
113 OTH HFG IND	.093	.436	3.432	7.826	.190	.466	.151	11.496
114 RAIL TRANS	.055	.223	.341	.486	.050	.410	.193	1.222
115 INTERCTY HGY	.000	.012	.010	.216	.000	.012	.010	.000
116 MOTOR FRT STR	2.013	8.267	4.366	11.457	.584	9.690	4.388	5.552
117 WATER TRANS	.000	.000	.000	.000	.000	.000	.000	.000
118 AIR TRANS	.434	2.207	.852	5.266	.714	6.338	2.105	5.115
119 PIPELINE TRN	.000	.000	.000	.000	.000	.000	.000	.000
120 LOC,SUB TRAN	.000	.012	.011	.217	.000	.012	.011	.000
121 OTH TRAN SER	.000	.010	.009	.087	.000	.011	.009	.000
122 TELEP,TELEGR	3.511	16.135	15.155	15.524	2.560	9.796	11.688	13.812
123 RADIO , TV	1.798	9.838	23.667	11.926	1.291	10.938	20.046	11.860
124 OTH COMMUNIC	.000	.000	.000	.000	.000	.000	.000	.000
125 GAS SERVICES	.536	4.574	9.528	4.807	1.208	1.867	2.351	14.136
126 ELEC SERVICES	2.902	45.842	71.296	17.064	10.068	22.082	14.788	72.361
127 WATER,SANI SERV	.403	4.319	7.906	4.150	2.186	2.353	3.056	21.975
128 WHL AUT PT,S	.255	1.575	1.319	21.979	5.912	.682	1.358	.370
129 WHL GRO,RELP	2.562	52.235	65.494	22.224	9.996	6.788	8.302	112.412
130 WHL FM PROD	.000	.000	.000	.000	.132	.000	.000	.000
131 WHL LIVESTOC	.000	.000	.000	.000	.000	.000	.000	.000
132 WHL MAC,EQ,S	.036	1.190	.426	.344	1.218	.561	.236	5.561
133 WHL PET,PETP	7.523	166.423	206.485	68.993	12.729	19.815	20.994	9.531
134 GEN WHL	.428	16.588	12.661	5.593	3.940	10.178	12.275	25.843
135 LUMBER YARDS	5.471	125.340	156.024	50.575	4.069	14.403	14.834	6.449
136 FARM EQ DEAL	.531	12.150	15.125	4.902	.518	1.396	1.431	.778
137 HDW,HT,E,P,W	.007	.043	.051	.048	.000	.010	.103	.020
138 DEPT,VAR STO	.138	4.636	5.778	1.373	.230	1.053	2.586	.248
139 FOOD STORES	.201	4.505	5.483	1.721	.163	.716	.876	11.387
140 AUTO DEAL,RP	.933	4.799	5.047	76.158	1.644	2.735	5.317	3.134
141 GAS SER STAT	1.138	22.080	27.632	9.959	6.271	2.872	3.339	2.173
142 APPRL ACC ST	.000	.053	.065	.000	.000	.300	.013	.043
143 FURN,HM F,EQ	.000	.049	.061	.000	.000	.050	2.900	.000
144 EAT,DRINK PL	.067	1.172	.628	1.587	.237	1.517	.828	.846
145 OTHER RETAIL	.150	2.259	2.576	1.398	.282	.737	1.709	11.597
146 BANK,CRD AGE	5.270	14.047	32.382	64.880	3.656	18.463	37.096	54.149
147 INSURANCE CA	3.548	12.615	19.255	15.440	3.285	8.816	12.836	28.643
148 F.I.R.E. NEC	9.238	158.757	157.139	91.488	21.513	110.274	76.518	162.897
149 LEGAL SERVIC	.491	2.331	4.599	5.705	.347	5.655	3.764	7.327
150 LODGING SERV	.154	2.040	.491	1.414	.462	2.266	.909	1.815

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 137 *	* SECTOR 138 *	* SECTOR 139 *	* SECTOR 140 *	* SECTOR 141 *	* SECTOR 142 *	* SECTOR 143 *	* SECTOR 144 *
151 PERSONAL SER	.050	.373	1.830	.862	1.612	.538	.670	7.994
152 ADVERTISING	.232	2.988	4.453	3.923	.383	2.796	3.196	2.701
153 DUPL, ADDRESS	.090	.651	1.838	2.566	.328	4.929	2.878	1.720
154 PRI EMPL AGE	.000	.000	.000	.000	.000	.000	.000	.000
155 PHOTO SERVICE	.118	1.721	1.695	1.687	.143	7.725	3.582	1.503
156 RESRCH, DEVEL	.000	.000	.000	.000	.000	.000	.000	.000
157 OTHER BUS SE	.422	8.350	21.193	4.980	1.151	4.945	2.744	12.176
158 MTN PCT, AM, R	.525	3.388	2.939	3.007	.533	1.292	2.995	115.154
159 AUTO RENT SE	1.864	.340	.167	.387	.137	.711	6.122	.161
160 AUTO PARKING	.000	.021	.021	.043	.018	.128	.022	.020
161 ELEC REP SHP	.332	6.795	14.137	2.715	1.991	2.976	25.531	3.994
162 MISC REP SER	.266	4.378	4.372	4.087	1.464	2.238	5.034	16.367
163 PHYS, DENT SE	.010	.734	.055	.061	.013	.024	.062	.012
164 HOSP, LAB SER	.021	1.619	.122	.134	.030	.054	.136	.026
165 OTH MED SERV	.000	.000	.000	.000	.000	.000	.000	.000
166 EDIPUB, PRI)	1.522	11.277	11.056	5.609	1.136	6.297	6.283	6.369
167 COLL, UNIV	.373	2.615	3.124	3.237	1.011	2.287	2.234	5.932
168 OTH ED SERV	.000	.000	.000	.000	.000	.000	.000	.000
169 ENG, ARCH SER	.000	.007	.014	.000	.000	.000	.006	.000
170 COMPU, ACCT SERV	1.611	20.783	15.198	25.856	4.733	17.621	20.265	39.913
171 OTH PROF SER	.000	.000	.000	.000	.000	.000	.000	.000
172 OTHER SERVICE	.114	.688	.900	1.967	.131	3.743	2.126	.438
173 ORD, ORD ACCS	.000	.000	.000	.000	.000	.000	.000	.000
174 OUTDOOR REC	.022	.155	.072	.192	.095	.157	.180	.615
175 SCRAP	.000	.270	.000	.000	.000	.000	.000	.000
176 HOUSEHOLDS	52.608	835.921	896.678	881.543	99.622	545.543	232.113	1026.116
177 PROP PAY	8.979	40.845	134.942	102.867	31.592	160.068	57.707	118.340
178 FEDERAL GOVT	3.592	50.106	59.794	82.104	13.103	99.607	29.426	103.077
179 STATE GOVT	.571	3.173	6.170	5.435	1.314	1.808	2.006	6.489
180 LOCAL GOVT	1.478	14.266	9.095	5.548	.520	3.781	3.672	12.605
181 DEPRECIATION	1.183	34.878	39.157	17.209	3.654	16.194	8.674	64.734
182 IMPORTS	32.500	823.102	781.730	1373.594	261.496	232.592	210.556	731.691
TOTAL VALUE ADDED	68.411	979.189	1145.836	1094.706	149.805	827.001	333.598	1331.361
TOTAL PURCHASES	162.444	2651.248	3034.385	3135.213	636.810	1442.817	966.961	3766.599

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 145 *	* SECTOR 146 *	* SECTOR 147 *	* SECTOR 148 *	* SECTOR 149 *	* SECTOR 150 *	* SECTOR 151 *	* SECTOR 152 *
1 IRR COTTON	.000	.000	.000	.000	.000	.000	.000	.000
2 IRR FOOD GRAIN	.000	.000	.000	.000	.000	.000	.000	.000
3 IRR FEED GRAIN	.000	.000	.000	.000	.000	.000	.000	.000
4 OTHER IRR CROP	76.929	.000	.000	.000	.000	.000	.000	.000
5 DRYLAND COTTON	.000	.000	.000	.000	.000	.000	.000	.000
6 DRY FOOD GRAIN	.000	.000	.000	.000	.000	.000	.000	.000
7 DRY FEED GRAIN	.000	.000	.000	.000	.000	.000	.000	.000
8 OTHER DRY CROP	.000	.000	.000	.000	.000	.000	.000	.000
9 RANGE LIVESTOCK	.000	.000	.000	.000	.000	.000	.000	.000
10 FEEDLOT LIVSTK	.036	.000	.000	.000	.000	.000	.000	.000
11 DAIRY	.000	.000	.000	.000	.000	.000	.000	.000
12 POULTRY, EGGS	.011	.000	.000	.000	.000	.000	.025	.000
13 AG SUP EX FMC	.000	.000	.000	.000	.000	.000	.000	.000
14 COTTON GINNING	.000	.000	.000	.000	.000	.000	.000	.000
15 AGRI SERVICES	.000	.000	.000	.000	.000	.000	.000	.000
16 PRIM FORESTRY	.000	.000	.000	.000	.000	.000	.000	.000
17 FISHERIES	.000	.000	.000	.000	.000	.000	.000	.000
18 CRUDE PETRO	.000	.000	.000	.000	.000	.000	.000	.000
19 NATRL GAS LQDS.	1.430	.000	.000	.000	.000	.000	.000	.000
20 OIL, GAS FLD SV	.000	9.881	.017	.190	.000	.000	.000	.000
21 LIGNITE, OTH MINE	.000	.000	.000	.000	.000	.000	.038	.000
22 RES CONSTRUCT	.000	.000	.000	.000	.000	.000	.000	.000
23 COMM, ED, INST	.000	.000	.000	.000	.000	.000	.000	.000
24 INDUS CONS	.000	.000	.000	.000	.000	.000	.000	.000
25 FACILITY CONS	.000	.000	.000	.000	.000	.000	.000	.000
26 MAINTEN, REPR	3.086	109.786	1.141	425.571	.545	25.419	8.635	.135
27 MEAT PRODUCTS	2.290	.000	.000	.000	.000	5.417	2.530	.040
28 POULTRY PROD	.011	.000	.000	.000	.000	.213	.051	.000
29 DAIRIES	.106	.000	.000	.000	.000	.587	1.743	.028
30 OTH GRAIN MIL	.024	.000	.000	.000	.000	.083	.041	.000
31 ANIMAL FEEDS	.000	.000	.000	.000	.000	.000	.000	.000
32 BAKERY PROD	.214	.000	.000	.000	.000	.488	1.088	.017
33 CNND, PSVP, PCK	.579	.000	.000	.000	.000	1.245	2.069	.033
34 OTH FOOD PROD	.159	.000	.000	.000	.000	10.541	.448	.007
35 BEVERAGES	.349	4.404	.406	.585	.297	5.165	.449	.007
36 TEXTILE MILL	.046	.000	.000	.000	.000	1.119	.369	.000
37 MBWMC FURN	.865	2.497	.000	.049	.000	.441	16.420	.011
38 RELATED APPRL	.000	.000	.000	.000	.000	.023	.105	.000
39 LOGGING	.000	.000	.000	.000	.000	.000	.000	.000
40 LUMBER MILLS	.000	.000	.000	.069	.000	.013	.024	.000
41 MILLWORK, WOOD	.052	.000	.364	49.630	.000	.266	.150	.000
42 WOOD FURN, FIX	.033	19.087	1.813	.965	.043	.793	.609	.037
43 MET FURN, FIXT	.011	1.097	.108	.082	.037	.181	.516	.032
44 PAPER, PAP MIL	1.890	.000	.275	.026	.021	.122	.587	.098
45 PAP EX BOX, CT	.251	.297	.121	.088	.128	1.186	13.275	.194
46 BOXES, PAP CNT	.200	.142	.013	.007	.006	.290	.094	.006
47 NEWSPAPERS	23.520	40.505	1.618	26.861	.425	2.118	8.186	1.531
48 PUBLISHING	.475	2.561	1.728	.431	.743	.877	1.060	.098
49 PRINTING	4.899	15.618	34.035	9.464	.673	1.943	5.026	2.984
50 MANFLD BUS FM	.548	14.633	4.335	2.330	.096	.152	.707	.091

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 145 *	* SECTOR 146 *	* SECTOR 147 *	* SECTOR 148 *	* SECTOR 149 *	* SECTOR 150 *	* SECTOR 151 *	* SECTOR 152 *
51 OTH PRNT,PUBS	2.045	.680	.602	.654	.036	.350	.333	.444
52 CHLOR,ALKALIE	.000	.000	.000	.000	.058	.334	1.286	.050
53 CYCCRD INT,IG	.008	.000	.000	.000	.000	.000	.012	.000
54 ORG CHEM	1.025	.000	.119	1.007	.033	.193	4.498	.031
55 INORG CHEM	.021	.000	.000	.000	.034	.828	1.374	.032
56 FIBERS,PLASTI	.000	.000	.000	.000	.000	.017	.109	.000
57 SYN RUBBER	.000	.000	.000	.000	.000	.000	.000	.000
58 DRUGS	.000	.000	.000	.000	.000	.050	1.071	.017
59 AGRI CHEMICAL	.008	.000	.000	1.674	.000	.171	1.353	.000
60 SPS,CLNS,TOIL	.062	.480	.000	.101	.105	.174	13.251	.008
61 PAINT+VARNISH	.000	.065	.026	6.062	.000	.000	.077	.000
62 OTH CHEMICALS	.000	.000	.000	.000	.000	.022	.469	.000
63 PETRO REFING	13.147	.494	11.254	13.149	3.444	1.303	12.036	1.741
64 OTH PETRO PRD	.000	.000	.000	.000	.000	.000	.000	.000
65 TIRES	.082	.134	.033	.032	.023	.000	.043	.000
66 FAB RUBBER PR	.000	.000	.000	.112	.000	.008	.432	.000
67 PLASTIC PRODS	.012	.000	.000	.000	.038	.289	.542	.033
68 LEATHER,L PRD	.060	.758	.295	.057	.041	.034	.348	.008
69 GLASS	.006	.000	.000	.000	.000	.000	.014	.000
70 CLAY	.000	.000	.000	.000	.000	.020	.031	.000
71 CUT ST,CL,SH	.000	.167	.816	6.799	.010	.078	4.471	.016
72 CEMENT,CONCRT	.000	.000	1.241	10.599	.000	.007	.250	.000
73 BLAST FURNACE	.000	.000	.000	.000	.000	.034	.026	.000
74 PRI STEEL,IRO	.000	.000	.091	.770	.000	.039	.049	.000
75 FOUNDRIES	.000	.000	.011	.089	.000	.013	.060	.000
76 NONFER SMELTG	.000	.000	.000	.000	.000	.000	.014	.000
77 AL SMLT ROL DR	.000	.000	.016	.137	.000	.064	.079	.000
78 CAST,FORGINGS	.000	.179	.043	.233	.000	.022	.073	.000
79 FABRI STEEL	.000	.000	.000	.000	.000	.018	.012	.000
80 PLATE WORK	.000	.000	.000	.000	.000	.017	.053	.000
81 SH MET,ARCH	.000	.692	.794	6.207	.044	.230	2.494	.038
82 METAL DOORS	.000	.040	.202	1.678	.000	.033	.051	.000
83 FAB MET PROD	.005	.545	.115	.565	.064	.326	2.351	.055
84 PLUMBING	.019	.000	.043	.369	.009	.140	.126	.008
85 BOLTS,NUTS,SC	.000	.000	.037	.311	.521	.019	.059	.000
86 ELCTPLT,CT,EN	.000	.000	.000	.000	.007	.030	.095	.006
87 VALVE,PIPE FT	.031	.058	.056	.432	.008	.114	.124	.006
88 OTH FAB MET P	.006	.118	.031	.169	.000	.010	.008	.000
89 FM,CONS,IND M	.000	.000	.000	.000	.000	.000	.045	.000
90 MTL HDL MC,EQ	.000	.000	.000	.000	.000	.000	.014	.000
91 MIN MACH,EQU	.000	.000	.000	.000	.000	.006	1.748	.000
92 ENGINES	.029	.000	.000	.000	.000	.000	.000	.000
93 METAL WK MACH	.000	.000	.000	.000	.000	.045	.026	.000
94 IND PROC MACH	.013	.000	.000	.000	.000	.000	.415	.000
95 GEN IND MACH	.000	.000	.000	.000	202.528	.000	.007	.000
96 REFRIG MACH	.117	.000	.000	.943	.000	.410	.605	.007
97 COMPU,ACCT MACH	.329	.000	.000	.000	.023	.220	2.143	.020
98 ELEC INST,AP	.295	1.120	.137	.315	.063	.145	.318	.039
99 ELEC HSLD EQ	.050	3.841	.468	1.079	.069	.052	.235	.010
100 ELEC COMM EQ	.000	.000	.008	.064	.095	.569	1.195	.072

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 145 *	* SECTOR 146 *	* SECTOR 147 *	* SECTOR 148 *	* SECTOR 149 *	* SECTOR 150 *	* SECTOR 151 *	* SECTOR 152 *
101 OTH ELEC APP	.064	.000	.000	.000	.022	.081	.279	.017
102 AIRCRAFT	.000	.000	.000	.000	.000	.000	.000	.000
103 AIRCRAFT ENG	.000	.000	.000	.000	.000	.000	.000	.000
104 OTH AIRCRAFT	.000	.000	.000	.000	.000	.000	.010	.000
105 MOTOR VHCL,P	.724	.297	.000	.006	.021	.136	1.415	.023
106 SHIP,BT BLDG	.000	.000	.000	.000	.000	.000	.000	.000
107 OTH TRANS EQ	5.991	.000	.000	.000	.000	.014	.289	.000
108 SCIENTIF INS	.000	.000	.000	.000	.014	.062	.198	.013
109 MECH HSRG DV	.000	.000	.000	.000	.000	.000	.015	.000
110 MEDICAL INST	.000	.000	.000	.000	.177	.776	2.481	.152
111 PHO,TH,OPT I	.000	.000	.000	.000	.093	.392	1.255	.112
112 GAMES,TOYS	.000	.079	.007	.000	.009	.041	.136	.032
113 OTH MFG IND	.658	1.565	1.276	5.799	.152	1.325	45.573	.138
114 RAIL TRANS	.287	2.976	.823	.318	.502	.918	.702	.300
115 INTERCTY HGY	.009	.000	.000	.000	.030	.071	.066	.299
116 MOTOR FRT STR	3.504	5.322	1.533	5.765	1.236	2.856	5.690	1.368
117 WATER TRANS	.000	.000	.000	.000	.000	.000	.000	.000
118 AIR TRANS	5.664	10.206	9.947	1.323	5.518	5.109	4.988	2.533
119 PIPELINE TRN	.000	.000	.000	.000	.000	.000	.000	.000
120 LOC,SUB TRAN	.008	.000	.000	.000	.046	.115	2.039	.063
121 OTH TRAN SER	.189	9.063	.390	.095	.099	.045	.067	.026
122 TELEP,TELEGR	20.424	195.672	30.013	121.777	22.417	47.914	20.249	3.395
123 RADIO , TV	9.482	40.198	3.538	8.003	.618	2.531	4.759	3.370
124 OTH COMMUNIC	.000	.000	.000	.000	.199	4.383	1.096	.159
125 GAS SERVICES	6.557	24.533	9.674	46.612	1.024	13.430	8.584	1.206
126 ELEC SERVICES	26.674	44.844	35.665	295.963	4.579	60.702	29.891	6.396
127 WATER,SANI SERV	4.349	14.812	4.331	55.881	1.364	11.550	9.500	1.561
128 WHL AUT PT,S	2.526	6.644	.643	.092	.670	.294	.546	.181
129 WHL GRO,RELP	17.336	.000	.038	.027	.954	9.006	2.619	1.026
130 WHL FM PROD	.000	.000	.000	.000	.000	.000	.011	.000
131 WHL LIVESTOC	.000	.000	.000	.000	.000	.000	.193	.000
132 WHL MAC,EO,S	.158	67.601	7.170	.953	40.658	5.828	17.456	3.474
133 WHL PET,PETP	27.879	.244	3.140	2.173	.572	1.606	5.299	.905
134 GEN WHL	5.089	68.722	17.980	12.627	17.303	12.853	21.323	4.604
135 LUMBER YARDS	16.950	.000	.098	.000	.066	.000	2.070	.000
136 FARM EQ DEAL	1.650	.000	.010	.000	10.399	.000	.244	.000
137 HDW,HT,E,P,W	.000	.000	.000	.000	1.231	.021	.070	.000
138 DEPT,VAR STO	.485	.000	.000	.126	5.918	.197	1.761	.008
139 FOOD STORES	9.713	.000	.000	.065	.502	1.994	.911	.290
140 AUTO DEAL,RP	7.733	4.077	.231	.404	1.372	.881	2.744	.575
141 GAS SER STAT	4.191	.050	1.150	.595	.597	.347	.814	.406
142 APPRL ACC ST	.000	.000	.000	.000	.000	.119	.701	.000
143 FURN,HM F,EQ	.000	.000	.000	.000	.277	.029	.098	.008
144 EAT,DRINK PL	7.165	.000	27.844	10.603	2.597	2.542	2.507	1.832
145 OTHER RETAIL	1.839	.000	.000	.138	1.188	2.090	3.426	1.493
146 BANK,CRD AGE	60.557	695.653	230.070	1552.802	17.305	85.288	12.067	8.267
147 INSURANCE CA	32.931	211.404	536.887	80.625	25.459	6.659	28.363	3.899
148 F.I.R.O. NEC	127.216	575.960	431.075	422.755	76.645	105.351	72.544	23.508
149 LEGAL SERVIC	7.419	97.531	41.239	211.473	1.458	5.755	14.212	2.835
150 LODGING SERV	2.786	.000	21.238	9.341	1.980	2.693	2.206	1.221

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 145 *	* SECTOR 146 *	* SECTOR 147 *	* SECTOR 148 *	* SECTOR 149 *	* SECTOR 150 *	* SECTOR 151 *	* SECTOR 152 *
151 PERSONAL SER	1.245	.216	.011	.000	.683	19.089	6.443	1.054
152 ADVERTISING	3.509	6.016	3.235	5.276	.215	1.001	1.905	.715
153 DUPL, ADDRESS	.580	8.999	2.945	11.565	.314	.598	.542	6.146
154 PRI EMPL AGE	.000	10.398	2.808	.228	.231	.482	.454	.278
155 PHOTO SERVIC	4.447	24.766	1.241	.366	.950	2.281	2.135	8.643
156 RESRCH, DEVEL	.000	.000	.000	.000	.000	.000	.000	.013
157 OTHER BUS SE	14.107	181.621	32.583	102.676	2.434	3.989	5.927	2.363
158 MTN PCT, AM, R	2.545	1.239	.062	.015	.291	.811	.654	.429
159 AUTO RENT SE	3.443	2.575	1.280	.107	1.650	.639	1.454	.408
160 AUTO PARKING	.071	3.431	1.390	.132	.071	.059	.017	.010
161 ELEC REP SHP	12.520	.000	.000	.091	.142	1.649	9.724	.329
162 MISC REP SER	6.170	.244	.012	6.189	.851	4.298	4.960	1.088
163 PHYS, DENT SE	.063	.000	18.504	.257	.169	.433	.407	.231
164 HOSP, LAB SER	.139	.000	17.266	.461	.847	2.171	2.042	1.161
165 OTH MED SERV	.000	.000	.000	.000	.031	.080	.074	.042
166 ED (PUB, PRI)	30.180	136.973	65.807	158.226	2.737	10.503	5.267	1.883
167 COLL, UNIV	16.572	14.038	51.752	25.284	.720	2.494	5.021	.860
168 OTH ED SERV	.000	.000	.000	.000	.598	.042	.040	.025
169 ENG, ARCH SER	.145	10.962	.546	.161	1.376	3.180	2.942	1.796
170 COMPU, ACCT SERV	13.936	318.481	49.908	91.853	20.445	23.026	8.487	3.103
171 OTH PROF SER	.000	4.579	.228	.067	.027	.064	.060	.646
172 OTHER SERVIC	2.868	79.701	38.864	66.965	8.143	9.001	7.671	4.607
173 ORD, ORD ACCS	.000	.000	.000	.000	.000	.000	.000	.000
174 OUTDOOR REC	.562	1.936	5.791	5.255	.089	.539	.594	.126
175 SCRAP	.000	.000	.000	.000	.000	.000	.000	.000
176 HOUSEHOLDS	874.011	6768.819	2307.119	2054.109	654.235	294.881	439.488	111.195
177 PROP PAY	231.155	1298.499	606.218	1811.647	266.438	131.798	56.148	4.838
178 FEDERAL GOVT	86.599	823.539	157.294	186.218	30.758	35.440	47.204	8.312
179 STATE GOVT	7.774	12.968	86.381	88.548	.283	2.794	4.259	.430
180 LOCAL GOVT	8.193	97.205	15.031	149.822	1.218	31.000	7.302	.476
181 DEPRECIATION	38.658	103.970	16.957	310.565	27.970	103.657	16.256	6.371
182 IMPORTS	541.922	2152.173	856.218	1436.027	93.825	131.652	318.942	29.246
TOTAL VALUE ADDED	1246.390	9105.000	3189.000	4600.909	980.902	599.570	570.657	131.622
TOTAL PURCHASES	2455.005	14370.680	5817.873	9928.406	1573.279	1278.771	1406.356	280.509

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 153	* SECTOR 154	* SECTOR 155	* SECTOR 156	* SECTOR 157	* SECTOR 158	* SECTOR 159	* SECTOR 160 *
1 IRR COTTON	.000	.000	.000	.000	.000	.000	.000	.000
2 IRR FOOD GRAIN	.000	.000	.000	.000	.000	.000	.000	.000
3 IRR FEED GRAIN	.000	.000	.000	.000	.000	.000	.000	.000
4 OTHER IRR CROP	.000	.000	.000	.000	.000	.000	.000	.000
5 DRYLAND COTTON	.000	.000	.000	.000	.000	.000	.000	.000
6 DRY FOOD GRAIN	.000	.000	.000	.000	.000	.000	.000	.000
7 DRY FEED GRAIN	.000	.000	.000	.000	.000	.000	.000	.000
8 OTHER DRY CROP	.000	.000	.000	.000	.000	.000	.000	.000
9 RANGE LVESTOCK	.000	.000	.000	.000	.000	.000	.000	.000
10 FEEDLOT LVSTK	.000	.000	.000	.000	.000	.000	.000	.000
11 DAIRY	.000	.000	.000	.000	.000	.000	.000	.000
12 POULTRY,EGGS	.000	.000	.007	.000	.010	.006	.000	.000
13 AG SUP EX FMC	.000	.000	.000	.000	.000	.000	.000	.000
14 COTTON GINNING	.000	.000	.000	.000	.000	.000	.000	.000
15 AGRI SERVICES	.000	.000	.000	.000	.000	.000	.000	.000
16 PRIM FORESTRY	.000	.000	.000	.000	.000	.000	.000	.000
17 FISHERIES	.000	.000	.000	.000	.000	.000	.000	.000
18 CRUDE PETRO	.000	.000	.000	.000	.000	.000	.000	.000
19 NATRL GAS LQDS.	.000	.000	.000	.000	.000	.000	.000	.000
20 OIL,GAS FLDSV	.000	.000	.000	.000	.000	.000	.000	.000
21 LIGNITE,OTH MINE	.068	.000	.000	.000	.000	.000	.000	.000
22 RES CONSTRUCT	.000	.000	.000	.000	.000	.000	.000	.000
23 COMM,ED,INST	.000	.000	.000	.000	.000	.000	.000	.000
24 INDUS CONS	.000	.000	.000	.000	.000	.000	.000	.000
25 FACILITY CONS	.000	.000	.000	.000	.000	.000	.000	.000
26 MAINTEN,REPR	.444	.395	2.823	1.281	6.117	17.828	1.866	.013
27 MEAT PRODUCTS	.021	.016	.762	.385	.989	.590	.234	.000
28 POULTRY PROD	.000	.000	.015	.008	.020	.012	.000	.000
29 DAIRIES	.014	.011	.525	.266	.681	.407	.161	.000
30 OTH GRAIN MIL	.000	.000	.012	.006	.016	.009	.000	.000
31 ANIMAL FEEDS	.000	.000	.000	.000	.000	.000	.000	.000
32 BAKERY PROD	.009	.007	.328	.165	.425	.254	.101	.000
33 CNND,PSVP,PCK	.017	.013	.623	.315	.809	.483	.191	.000
34 OTH FOOD PROD	.000	.000	.135	.068	.175	.104	.041	.000
35 BEVERAGES	.000	.000	.136	.069	.175	.734	.042	.000
36 TEXTILE MILL	.039	.000	.092	.020	.209	.030	.012	.000
37 MBWMC FURN	.006	.000	.209	.105	.277	.791	.064	.000
38 RELATED APPRL	.000	.000	.020	.045	.534	.036	.006	.000
39 LOGGING	.000	.000	.000	.000	.000	.000	.000	.000
40 LUMBER MILLS	.000	.000	.007	.000	.009	.006	.000	.000
41 MILLWORK,WOOD	.000	.000	.039	.106	.204	.030	.012	.000
42 WOOD FURN,FIX	.029	.040	.168	.061	.758	.107	.039	.000
43 MET FURN,FIXT	.012	.034	.143	.052	.317	.091	.033	.000
44 PAPER,PAP MIL	.072	.020	.192	.070	.315	.052	.019	.000
45 PAP EX BOX,CT	1.437	.080	.459	.127	1.438	1.093	.084	.000
46 BOXES,PAP CNT	.008	.000	.102	.023	.075	.015	.000	.000
47 NEWSPAPERS	.216	3.180	2.984	.139	11.183	14.196	.486	.000
48 PUBLISHING	.240	.047	.530	.081	.703	.429	.075	.000
49 PRINTING	.392	.473	1.441	.582	6.483	1.759	.326	.000
50 MANFLD BUS FM	.025	.035	.209	.058	2.491	.236	.473	.000

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 153 *	* SECTOR 154 *	* SECTOR 155 *	* SECTOR 156 *	* SECTOR 157 *	* SECTOR 158 *	* SECTOR 159 *	* SECTOR 160 *
51 OTH PRNT,PUBS	1.345	.250	.503	.035	1.432	.096	.304	.066
52 CHLOR,ALKALIE	.013	.053	.224	.180	4.301	.153	.052	.000
53 CYCCRD INT,IG	.000	.000	.000	.015	.093	.000	.000	.000
54 ORG CHEM	.007	.030	.129	.142	.332	.182	.030	.000
55 INORG CHEM	.008	.031	.131	.055	.315	.601	.030	.000
56 FIBERS,PLASTI	.335	.000	.016	.006	.087	.010	.000	.000
57 SYN RUBBER	.000	.000	.000	.000	.000	.000	.000	.000
58 DRUGS	.009	.007	.323	.163	.418	.250	.099	.000
59 AGRI CHEMICAL	.000	.000	.043	.022	37.203	.033	.013	.000
60 SPS,CLNS,TOIL	.042	.000	.094	.061	7.933	.161	.033	.000
61 PAINT*VARNISH	.000	.000	.024	.092	.041	.016	.012	.000
62 OTH CHEMICALS	.738	.000	.094	.037	.320	.067	.010	.000
63 PETRO REFING	1.170	.535	3.433	4.817	46.588	2.111	121.883	.199
64 OTH PETRO PRD	.000	.000	.000	.000	.000	.000	.000	.000
65 TIRES	.071	.000	.139	.000	.097	.019	.221	.000
66 FAB RUBBER PR	.000	.000	.054	.143	.070	.041	.017	.000
67 PLASTIC PRODS	.009	.035	.150	.068	.357	.274	.035	.000
68 LEATHER,L PRD	.189	.007	.203	.011	.066	.047	.007	.000
69 GLASS	.000	.000	.000	.000	.008	.000	.035	.000
70 CLAY	.000	.000	.007	.000	.025	.000	.000	.000
71 CUT ST,CL,SH	.000	.009	.039	.044	.104	.111	.009	.000
72 CEMENT,CONCRT	.000	.000	.006	.000	.013	.000	.000	.000
73 BLAST FURNACE	.000	.000	.007	.000	.016	.000	.000	.000
74 PRI STEEL,IRO	.000	.000	.000	.000	.146	.000	.000	.000
75 FOUNDRIES	.000	.000	.011	.000	.041	.007	.000	.000
76 NONFER SMELTG	.000	.000	.000	.000	.031	.000	.000	.000
77 AL SMLT ROL DR	.000	.000	.017	.006	.062	.011	.000	.000
78 CAST,FORGINGS	.000	.000	.005	.012	.011	.000	.000	.000
79 FABRI STEEL	.000	.000	.000	.000	.007	.000	.000	.000
80 PLATE WORK	.000	.000	.015	.005	.422	.009	.000	.000
81 SH MET,ARCH	.010	.040	.170	.111	.499	1.604	.039	.000
82 METAL DOORS	.000	.000	.012	.000	.026	.669	.000	.000
83 FAB MET PROD	.015	.059	.250	.090	.552	.159	.058	.000
84 PLUMBING	.000	.008	.035	.012	.077	.022	.008	.000
85 BOLTS,NUTS,SC	.000	.000	.017	.006	.230	.011	.028	.000
86 ELCTPLT,CT,EN	.000	.006	.026	.010	.059	.017	.006	.000
87 VALVE,PIPE FT	.000	.007	.029	.010	.411	.018	.006	.000
88 OTH FAB MET P	.000	.000	.000	.032	.033	.000	.000	.000
89 FM,CONS,IND H	.000	.000	.014	.007	.018	.011	.000	.000
90 MTL HDL MC,EQ	.000	.000	.000	.166	.000	.000	.000	.000
91 MIN MACH,EQUP	.000	.000	.039	.607	.051	.030	.012	.000
92 ENGINES	.000	.000	.000	.000	.000	.000	.000	.000
93 METAL WK MACH	.000	.000	.008	.000	.011	.006	.000	.000
94 IND PROC MACH	.000	.000	.006	.000	.007	.000	.000	.000
95 GEN IND MACH	.000	.000	.000	.020	.224	.000	.000	.000
96 REFRIG MACH	.000	.000	.130	.077	.344	.100	.040	.000
97 COMPU,ACCT MACH	.000	.022	.092	.077	1.596	.058	.021	.000
98 ELEC INST,AP	.052	.019	.769	.030	.302	.095	.019	.000
99 ELEC HSLD EQ	.000	.010	.046	.017	.101	.029	.011	.000
100 ELEC COMM EQ	.041	.077	.324	5.907	6.209	.206	.075	.000

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 153 *	* SECTOR 154 *	* SECTOR 155 *	* SECTOR 156 *	* SECTOR 157 *	* SECTOR 158 *	* SECTOR 159 *	* SECTOR 160 *
101 OTH ELEC APP	.000	.017	.073	.026	.746	.173	.017	.000
102 AIRCRAFT	.000	.000	.000	.000	.000	.000	.000	.000
103 AIRCRAFT ENG	.000	.000	.000	.000	.000	.000	.000	.000
104 OTH AIRCRAFT	.000	.000	.000	.000	.000	.000	.000	.000
105 MOTOR VHCL,P	.025	.008	.411	.208	20.020	.314	30.324	.000
106 SHIP,BT BLDG	.000	.000	.000	.000	.000	.000	.000	.000
107 OTH TRANS EQ	.000	.000	.087	.044	.113	.068	.027	.000
108 SCIENTIF INS	.000	.013	.055	.022	.146	.035	.013	.000
109 MECH MSRG DV	.000	.000	.000	.036	.009	.000	.000	.000
110 MEDICAL INST	.040	.162	.690	.290	1.523	.438	.159	.000
111 PHO, TM, OPT I	.910	.082	19.530	.126	.769	.222	.080	.000
112 GAMES, TOYS	.000	.008	.036	.013	.080	2.066	.008	.000
113 OTH MFG IND	.172	.096	.426	.247	3.441	1.522	.704	.000
114 RAIL TRANS	.000	.008	.181	.026	2.284	.232	1.736	.010
115 INTERCTY H6Y	.008	.000	.025	.000	.131	1.403	.011	.000
116 MOTOR FRT STR	1.367	.038	16.329	.196	15.314	1.341	1.000	.063
117 WATER TRANS	.000	.000	.000	.000	.000	.000	.000	.000
118 AIR TRANS	.211	.555	5.111	2.541	18.506	8.732	5.367	.122
119 PIPELINE TRN	.000	.000	.000	.000	.000	.000	.000	.000
120 LOC, SUB TRAN	.000	.000	.038	.005	.202	.050	.017	.000
121 OTH TRAN SER	.062	.000	.016	.000	.643	.315	.007	.000
122 TELEP, TELEGR	.904	4.504	8.786	.984	62.631	6.466	2.722	.298
123 RADIO, TV	.031	.146	.853	.049	7.707	4.756	.459	.017
124 OTH COMMUNIC	.000	.047	.195	.014	1.965	.182	.065	.005
125 GAS SERVICES	.201	.035	1.117	.121	7.759	4.964	.733	.237
126 ELEC SERVICES	1.036	.239	5.164	.580	32.797	23.482	2.366	.801
127 WATER, SANI SERV	.416	.051	1.377	.156	9.202	5.532	.639	.125
128 WHL AUTO PT, S	.000	.000	.115	.281	.689	.154	4.926	.020
129 WHL GRO, RELP	.025	.058	.622	.088	4.228	9.410	.273	.033
130 WHL FM PROD	.000	.000	.000	.005	.000	.000	.000	.000
131 WHL LIVESTOC	.000	.000	.000	.000	.000	.000	.000	.000
132 WHL MAC, EQ, S	.707	.106	2.316	.344	10.731	5.833	.911	.111
133 WHL PET, APETP	.207	.022	1.205	.333	21.627	1.535	16.244	.164
134 GEN WHL	6.859	.550	13.001	1.751	41.992	11.258	41.2630	.141
135 LUMBER YARDS	.010	.000	.000	.000	2.574	.089	.000	.000
136 FARM EQ DEAL	.000	.000	.000	.000	.249	.009	.000	.000
137 HDV, HT, E, P, W	.000	.000	.008	.013	.081	.027	.000	.000
138 DEPT, VAR STO	.000	.085	.161	.391	.097	.038	.000	.000
139 FOOD STORES	.000	.052	.210	.027	1.003	.306	.079	.010
140 AUTO DEAL, RP	.146	.316	.306	.041	7.627	.341	13.032	1.150
141 GAS SER STAT	.103	.074	.136	.113	2.403	.241	2.739	.018
142 APPRL ACC ST	.000	.000	.065	.000	.155	.112	.000	.000
143 FURN, HM F, EQ	.000	.000	.012	.572	.026	.018	.000	.000
144 EAT, DRINK PL	.233	.281	2.759	.526	9.560	4.758	1.823	.054
145 OTHER RETAIL	.340	.145	.869	.137	3.772	1.889	.199	.029
146 BANK, CRD AGE	.788	.764	5.533	1.750	65.304	20.182	15.848	1.453
147 INSURANCE CA	.962	.803	4.649	.646	40.481	13.883	8.973	1.049
148 F. I. R. E. NEC	4.315	6.513	13.452	1.846	105.014	54.851	29.427	25.703
149 LEGAL SERVIC	.449	1.159	1.986	.184	17.148	3.309	.995	.268
150 LODGING SERV	.132	.192	3.547	.899	17.263	1.857	2.520	.045

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 153 *	* SECTOR 154 *	* SECTOR 155 *	* SECTOR 156 *	* SECTOR 157 *	* SECTOR 158 *	* SECTOR 159 *	* SECTOR 160 *
151 PERSONAL SER	.014	.027	.772	.081	9.166	3.476	.254	.034
152 ADVERTISING	.009	.095	.256	.016	3.155	1.381	.112	.008
153 DUPL, ADDRESS	.218	.009	.198	.214	2.565	.276	.088	.021
154 PRI EMPL AGE	.187	.111	.169	.049	8.595	.229	.075	.018
155 PHOTO SERVIC	.022	.037	13.292	2.435	15.667	1.098	.354	.084
156 RESRCH, DEVEL	.000	.000	.000	.000	.009	.000	.000	.000
157 OTHER BUS SE	.709	.266	2.861	.418	12.939	6.339	1.486	.280
158 MTN PCT, AM, R	.000	.011	4.802	.035	1.277	11.314	.108	.013
159 AUTO RENT SE	.149	.059	.317	.053	2.273	.652	1.201	.012
160 AUTO PARKING	.000	.033	.008	.000	.096	.017	.011	.000
161 ELEC REP SHP	.015	.000	.375	.153	8.500	.254	.201	.006
162 MISQ REP SER	.652	.034	2.238	.045	3.317	2.551	.231	.023
163 PHYS, DENT SE	.000	.027	.156	.020	.910	1.527	.063	.008
164 HOSP, LAB SER	.013	.134	.780	.100	4.569	.955	.315	.038
165 OTH MED SERV	.000	.000	.028	.000	.167	.034	.012	.000
166 ED (PUB, PRI)	1.170	.558	1.961	.215	15.828	10.621	8.106	3.984
167 COLL, UNIV	.437	.068	.713	.148	3.788	4.760	2.692	.093
168 OTH ED SERV	.000	.000	.015	.000	.078	.019	.006	.000
169 ENG, ARCH SER	.031	.051	1.578	.155	8.074	1.486	.488	.115
170 COMPU, ACCT SERV	.454	1.066	3.154	.311	13.809	7.216	1.633	.279
171 OTH PROF SER	.000	.000	.062	.000	.328	.031	.010	.000
172 OTHER SERVIC	.413	.161	2.426	1.919	17.606	7.428	2.112	.180
173 ORD, ORD ACCS	.000	.000	.000	.000	.000	.000	.000	.000
174 OUTDOOR REC	.022	.000	.173	.008	.861	.373	.578	.000
175 SCRAP	.000	.000	.000	.000	.000	.000	.000	.000
176 HOUSEHOLDS	42.731	93.873	176.830	55.580	1884.303	514.627	95.193	22.223
177 PROP PAY	7.199	4.292	23.927	4.902	101.173	64.518	18.026	5.863
178 FEDERAL GOVT	6.032	4.893	13.733	2.342	130.436	40.180	13.099	1.054
179 STATE GOVT	.438	.142	.475	.152	6.148	5.278	2.587	.224
180 LOCAL GOVT	.573	.222	2.485	.061	4.732	9.169	3.059	3.182
181 DEPRECIATION	3.177	1.332	16.889	3.291	140.115	19.617	86.680	1.039
182 IMPORTS	28.505	9.457	185.047	25.770	345.818	171.670	102.633	5.900
TOTAL VALUE ADDED	60.150	104.754	234.339	66.328	2266.907	653.389	218.644	33.585
TOTAL PURCHASES	120.932	139.643	586.767	131.229	3430.016	1126.021	615.864	76.885

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 161 *	* SECTOR 162 *	* SECTOR 163 *	* SECTOR 164 *	* SECTOR 165 *	* SECTOR 166 *	* SECTOR 167 *	* SECTOR 168 *
1 IRR COTTON	.000	.000	.000	.000	.000	.000	.000	.000
2 IRR FOOD GRAIN	.000	.000	.000	.000	.000	.000	.000	.000
3 IRR FEED GRAIN	.000	.000	.000	.000	.000	.000	.000	.000
4 OTHER IRR CROP	.000	.000	.000	.000	.000	.000	.000	.000
5 DRYLAND COTTON	.000	.000	.000	.000	.000	.000	.000	.000
6 DRY FOOD GRAIN	.000	.000	.000	.000	.000	.000	.000	.000
7 DRY FEED GRAIN	.000	.000	.000	.000	.000	.000	.000	.000
8 OTHER DRY CROP	.000	.000	.000	.000	.000	.000	.000	.000
9 RANGE LIVESTOCK	.000	.000	.000	.000	.000	.000	.000	.000
10 FEEDLOT LVSTK	.000	.000	.000	.000	.000	.000	.000	.000
11 DAIRY	.000	.000	.000	.000	.000	.000	.000	.000
12 POULTRY,EGGS	.000	.010	.009	.344	.270	.000	.000	.000
13 AG SUP EX FMC	.000	.000	.000	.000	.000	.000	.000	.000
14 COTTON GINNING	.000	.000	.000	.000	.000	.000	.000	.000
15 AGR SERVICES	.000	.000	.000	.000	.000	.000	.000	.000
16 PRIM FORESTRY	.000	.000	.000	.000	.000	.000	.000	.000
17 FISHERIES	.000	.000	.000	.000	.000	.000	.000	.000
18 CRUDE PETRO	.000	.000	.000	.000	.000	.000	.000	.000
19 NATRL GAS LQDS.	.000	.000	.000	.000	.000	.000	.000	.000
20 OIL,GAS FLDV	.000	.000	.000	.000	.000	.000	.000	.000
21 LIGNITE,OTH MINE	.000	.000	.000	.000	.000	.000	.000	.000
22 RES CONSTRUCT	.000	.000	.000	.000	.000	.000	.000	.000
23 COMM,ED,INST	.000	.000	.000	.000	.000	.000	.000	.000
24 INDUS COMS	.000	.000	.000	.000	.000	.000	.000	.000
25 FACILITY CONS	.000	.000	.000	.000	.000	.000	.000	.000
26 MAINTEN,REPR	2.295	4.268	6.456	12.483	9.137	18.205	.000	1.161
27 MEAT PRODUCTS	.282	1.053	.965	6.547	5.931	77.858	.000	.205
28 POULTRY PROD	.000	.021	.019	.087	.056	15.367	.000	.000
29 DAIRIES	.194	.725	.665	2.525	1.418	66.223	.000	.141
30 OTH GRAIN MIL	.000	.017	.015	.311	.361	.016	.000	.000
31 ANIMAL FEEDS	.000	.000	.000	.000	.000	.073	.000	.000
32 BAKERY PROD	.122	.453	.415	4.777	.784	21.760	.000	.088
33 CNND,PSVP,PCK	.231	.861	.789	4.365	4.359	66.033	.000	.168
34 OTH FOOD PROD	.050	.186	.171	2.912	3.488	29.161	.000	.036
35 BEVERAGES	.325	.250	1.934	1.252	.761	29.762	1.436	.066
36 TEXTILE MILL	.051	.271	.134	2.392	.132	.165	.404	.014
37 MBWMC FURN	.481	1.059	.278	.929	1.921	.000	.000	1.344
38 RELATED APRL	.008	.036	.141	.072	.160	.000	.041	.000
39 LOGGING	.000	.000	.000	.000	.000	.000	.000	.000
40 LUMBER MILLS	.000	.019	.009	.023	.017	18.184	1.495	.016
41 MILLWORK,WOOD	.014	.054	.177	.122	.967	.223	4.409	.037
42 WOOD FURN,FIX	.114	.195	.497	.907	.676	5.428	7.304	.089
43 MET FURN,FIX	.065	.151	.404	.761	.580	2.454	27.653	.071
44 PAPER,PAP MIL	.031	.086	.310	.494	.395	2.696	8.501	.038
45 PAP EX BOX,CT	.159	.383	.975	7.319	3.767	10.168	3.792	.200
46 BOXES,PAP CNT	.036	.077	.077	.561	.090	.631	.160	.011
47 NEWSPAPERS	.833	.510	.394	2.001	2.423	.000	.000	1.575
48 PUBLISHING	.195	.306	.653	1.463	.962	4.797	3.013	.160
49 PRINTING	.713	1.455	5.030	8.268	5.210	22.673	9.708	.616
50 MANFLD BUS FM	.055	.301	.364	1.409	1.348	2.443	1.211	.122

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 161	* SECTOR 162	* SECTOR 163	* SECTOR 164	* SECTOR 165	* SECTOR 166	* SECTOR 167	* SECTOR 168 *
51 OTH PRNT,PUBS	.133	.125	.317	.521	.492	1.491	1.570	.062
52 CHLOR,ALKALIE	.089	.236	.686	6.565	.868	5.118	1.164	.343
53 CYCCRD INT,IG	.000	.068	.010	.018	.013	.093	.068	.000
54 ORG CHEM	.050	1.062	.369	1.742	.499	2.401	6.175	.381
55 INORG CHEM	.051	.137	.372	3.585	.526	3.729	1.810	.061
56 FIBERS,PLASTI	.006	.016	.043	.376	.103	.255	.000	.007
57 SYN RUBBER	.000	.000	.000	.000	.000	.000	.000	.000
58 DRUGS	.119	.446	8.814	22.774	15.312	.207	.000	.087
59 AGRI CHEMICAL	.016	.060	.055	.135	.103	.000	.012	.012
60 SPS,CLNS,TOIL	.051	.093	.271	.746	.599	.185	.671	.022
61 PAINT+VARNISH	.026	1.238	.028	.329	.051	15.026	1.401	.006
62 OTH CHEMICALS	.025	.061	.045	.495	.279	.107	2.030	.008
63 PETRO REFINING	5.341	3.784	4.803	4.760	7.772	23.412	5.686	.436
64 OTH PETRO PRD	.000	.000	.000	.000	.000	.000	.000	.000
65 TIRES	.000	.111	.034	.042	.047	.049	.057	.000
66 FAB RUBBER PR	.022	.074	.366	1.982	1.732	.018	.930	.000
67 PLASTIC PRODS	.059	.159	.423	1.639	.594	3.088	5.925	.071
68 LEATHER,L PRD	.070	.046	.468	.445	.152	.658	.377	.014
69 GLASS	.000	.009	.010	.019	.014	.059	.629	.000
70 CLAY	.011	.008	.021	.233	.029	.227	.000	.000
71 CUT ST,CL,SH	.028	.041	.238	.730	.288	.918	.918	.018
72 CEMENT,CONCRT	.016	.006	.017	.032	.023	.140	.000	.000
73 BLST FURNACE	.000	.008	.020	.038	.028	.356	.426	.000
74 PRI STEEL,IRO	.000	.000	.016	.022	.016	.095	.067	.000
75 FOUNDRIES	.032	.101	.032	.060	.044	.479	.504	.000
76 NONFER SMELTG	.000	.000	.000	.000	.000	.012	.000	.000
77 AL SMLT ROL DR	.017	.278	.048	.089	.065	.663	.682	.008
78 CAST,FRGINGS	.000	.006	.045	.027	.020	.141	.313	.000
79 FABRI STEEL	.000	.000	.010	.017	.013	.195	.000	.000
80 PLATE WORK	.284	.231	.042	.079	.058	.277	.000	.007
81 SH MET,ARCH	.094	2.351	.475	.896	.654	3.110	.815	.079
82 METAL DOORS	.022	.021	.034	.063	.046	.373	.298	.006
83 FAB MET PRD	.097	.263	2.479	1.324	10.017	4.440	4.808	.117
84 PLUMBING	.014	.234	.099	.185	.135	1.256	3.064	.017
85 BOLTS,NUTS,SC	.007	.029	.046	.300	.064	.677	.262	.008
86 ELCTPLT,CT,EN	.011	2.001	.074	.139	.102	.439	.000	.012
87 VALVE,PIPE FT	.045	.042	.080	.152	.111	1.181	1.242	.014
88 OTH FAB MET P	.000	.011	.006	.011	.008	.035	.106	.000
89 FM,CONS,IND M	.000	.019	.017	.042	.033	.000	.000	.000
90 MTL HDL MC,EQ	.000	.006	.006	.122	.010	.000	.808	.000
91 MIN MACH,EQ	.014	.055	.050	.122	.094	.000	4.755	.011
92 ENGINES	.000	.000	.000	.000	.000	.000	.000	.000
93 METAL WK MACH	.000	.011	.025	.018	.019	.399	.718	.000
94 IND PROC MACH	.000	.008	.007	.014	.014	.000	.000	.000
95 GEN IND MACH	.000	.000	.000	.007	.006	.000	.000	.000
96 REFRIG MACH	.210	.209	.202	4.643	.487	2.903	5.351	.197
97 COMP,ACCT MACH	.046	.174	.350	.564	.939	1.579	4.632	.043
98 ELEC INST,AP	.060	.860	.336	.614	.450	1.605	5.506	.042
99 ELEC HSLD EQ	.018	4.966	.215	.474	.425	1.579	2.433	.021
100 ELEC COMM EQ	6.986	.341	1.452	6.561	5.085	7.024	4.704	.685

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 161 *	* SECTOR 162 *	* SECTOR 163 *	* SECTOR 164 *	* SECTOR 165 *	* SECTOR 166 *	* SECTOR 167 *	* SECTOR 168 *
101 OTH ELEC APP	1.040	.077	.204	.513	.286	1.209	5.949	.034
102 AIRCRAFT	.000	.000	.000	.000	.000	.000	.000	.000
103 AIRCRAFT ENG	.000	.000	.000	.000	.000	.000	.000	.000
104 OTH AIRCRAFT	.000	.000	.011	.009	.007	.000	.860	.000
105 MOTOR VHCL,P	.149	.762	.514	1.229	.979	.000	.174	.106
106 SHIP,BT BLDG	.000	.000	.000	.000	.000	.000	.000	.000
107 OTH TRANS EQ	.032	.120	.110	.272	.209	.000	.000	.024
108 SCIENTIF INS	.021	.058	.155	.425	.214	.956	10.297	.026
109 MECH MSRG DV	.000	.000	.011	.022	.016	.068	.609	.000
110 MEDICAL INST	.268	.725	2.759	27.236	2.867	11.456	40.527	.323
111 PHO,TM,OPT I	.136	.367	1.543	1.845	1.348	5.788	4.205	.163
112 GAMES,TOYS	.014	.038	.107	.256	.295	.847	1.046	.017
113 OTH MFG IND	.270	.842	1.407	3.345	3.489	7.124	3.469	.267
114 RAIL TRANS	.095	.607	.316	6.717	.757	.432	2.627	.279
115 INTERCTY HGY	.013	.061	.043	.703	.046	.178	.000	.015
116 MOTOR FRT STR	1.272	7.586	2.011	28.193	3.415	6.752	4.518	1.130
117 WATER TRANS	.000	.000	.000	.000	.000	.000	.000	.000
118 AIR TRANS	1.064	4.305	4.189	39.373	6.763	5.824	6.660	2.520
119 PIPELINE TRN	.000	.000	.000	.000	.000	.000	.000	.000
120 LOC,SUB TRAN	.020	.095	.067	1.083	.071	.091	.000	.023
121 OTH TRAN SER	.034	.041	.027	.442	.029	.037	.000	.010
122 TELEP,TELEGR	4.816	6.525	15.582	45.298	14.998	21.433	22.973	1.987
123 RADIO , TV	.354	.745	.528	9.182	.950	.723	5.746	.455
124 OTH COMMUNIC	.112	.227	.170	2.899	.232	.232	.000	.059
125 GAS SERVICES	1.134	1.962	2.654	29.807	8.109	32.482	15.580	.661
126 ELEC SERVICES	4.183	10.248	15.194	142.312	41.882	115.750	71.016	3.532
127 WATER,SANI SERV	1.147	2.232	2.524	31.159	10.749	17.259	12.253	.894
128 WHL AUT PT,S	.061	.222	.188	2.917	.209	.278	.000	.134
129 WHL GRO,RELP	.756	1.265	1.207	24.357	11.549	32.405	.000	.376
130 WHL FM PROD	.000	.000	.028	.026	.000	.000	.000	.000
131 WHL LIVESTOC	.000	.000	.000	.000	.000	.000	.000	.000
132 WHL MAC,EQ,S	1.079	5.517	6.815	111.702	10.504	8.662	1.479	1.261
133 WHL PET,PETP	2.053	1.030	.997	20.547	3.773	4.013	1.560	.288
134 GEN WHL	7.891	13.930	23.149	97.176	12.398	20.407	13.912	1.837
135 LUMBER YARDS	1.109	.000	.000	5.214	2.033	2.952	.000	.000
136 FARM EQ DEAL	.107	.000	.008	.505	.197	.000	.000	.000
137 HDW,HT,E,P,W	.000	.456	.000	.073	.000	5.646	.000	.000
138 DEPT,VAR STO	.030	.037	.097	.283	.060	.014	.000	.024
139 FOOD STORES	.123	.365	.370	5.724	3.295	.484	.000	.117
140 AUTO DEAL,RP	2.294	2.039	.804	4.077	.567	11.003	.000	.074
141 GAS SER STAT	.937	.459	.536	3.179	1.364	.265	.313	.057
142 APPRL ACC ST	.000	.027	.011	.083	1.014	.005	.000	.000
143 FURN,HM F,EQ	.000	.014	.010	.163	.098	.012	.000	.000
144 EAT,DRINK PL	.920	2.307	2.098	19.075	8.060	1.754	.000	.562
145 OTHER RETAIL	4.142	1.030	1.661	12.981	1.869	1.347	.578	.330
146 BANK,CRD AGE	4.609	11.315	11.290	151.506	45.160	6.275	5.833	18.204
147 INSURANCE CA	5.845	16.741	26.907	58.346	10.822	13.414	15.735	3.837
148 F.I.R.E. NEC	10.248	45.731	76.183	232.948	111.119	264.664	8.563	9.247
149 LEGAL SERVIC	.628	3.800	7.148	32.158	4.032	3.209	20.724	1.571
150 LODGING SERV	.480	1.853	2.513	18.251	3.342	1.583	.000	.536

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 161	* SECTOR 162	* SECTOR 163	* SECTOR 164	* SECTOR 165	* SECTOR 166	* SECTOR 167	* SECTOR 168 *
151 PERSONAL SER	1.060	1.792	2.863	20.541	29.735	2.410	2.827	.387
152 ADVERTISING	.163	.259	.184	3.191	.299	.252	2.771	.124
153 DUPL, ADDRESS	.116	.411	.575	5.714	.553	.477	.228	.126
154 PRI EMPL AGE	.098	.349	.343	4.784	.494	.404	.000	.107
155 PHOTO SERVIC	.510	1.639	1.593	26.886	2.205	1.924	.000	.510
156 RESRCH, DEVEL	.000	.000	.000	.051	.070	.000	.000	.000
157 OTHER BUS SE	2.164	2.400	20.740	70.610	19.171	11.333	15.581	.727
158 MTN PCT, AM, R	.128	.502	.425	6.860	.453	.582	7.076	.147
159 AUTO RENT SE	.920	1.895	.878	6.268	1.224	.556	17.062	.170
160 AUTO PARKING	.000	.014	.014	.160	.027	.014	.000	.000
161 ELEC REP SHP	1.385	1.573	3.664	5.453	.841	.397	.000	.079
162 MISC REP SER	.639	1.773	2.464	12.105	10.593	1.071	.000	.486
163 PHYS, DENT SE	.074	.291	1.176	7.943	.567	.340	.000	.085
164 HOSP, LAB SER	.374	1.461	25.856	226.672	1.559	1.706	.000	.426
165 OTH MED SERV	.014	.054	.261	1.569	.048	.062	.000	.016
166 ED (PUB, PRI)	1.164	2.874	5.068	31.608	4.956	2.560	.000	.645
167 COLL, UNIV	.293	1.134	2.376	11.230	2.106	.921	.000	.233
168 OTH ED SERV	.008	.031	.026	.419	.027	.036	.000	.009
169 ENG, ARCH SER	.632	2.258	2.195	30.903	3.038	3.662	88.878	.693
170 COMP, ACCT SERV	1.868	5.115	21.819	56.218	7.976	4.646	.000	1.245
171 OTH PROF SER	.013	.046	.045	.629	.062	.053	.208	.014
172 OTHER SERVIC	1.848	6.503	14.150	63.714	9.491	5.305	6.961	1.404
173 ORD, ORD ACCS	.000	.000	.000	.000	.000	.000	.000	.000
174 OUTDOOR REC	.056	.598	.122	1.885	.497	.152	.000	.293
175 SCRAP	.000	.000	.000	.000	.000	.000	.000	.000
176 HOUSEHOLDS	129.117	587.157	1199.862	1851.071	664.812	3224.868	1350.646	212.298
177 PROP PAY	10.289	63.456	2.892	108.997	150.420	.000	.000	2.295
178 FEDERAL GOVT	11.654	32.573	49.906	98.118	67.240	118.670	31.021	6.458
179 STATE GOVT	.345	2.974	3.495	3.823	2.741	.000	.000	5.004
180 LOCAL GOVT	3.293	1.739	1.890	8.870	8.045	.000	2.280	1.740
181 DEPRECIATION	3.292	7.590	21.480	97.188	38.132	10.519	29.551	1.905
182 IMPORTS	79.773	186.619	225.656	565.211	481.669	440.985	549.611	65.770
TOTAL VALUE ADDED	157.990	695.489	1279.525	2168.067	931.390	3354.057	1413.498	229.700
TOTAL PURCHASES	331.100	1093.592	1868.586	4628.279	1931.879	4921.206	2524.047	363.409

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 169	* SECTOR 170	* SECTOR 171	* SECTOR 172	* SECTOR 173	* SECTOR 174	* SECTOR 175	* HOUSEHOLDS*
1 IRR COTTON	.000	.000	.000	.000	.000	.000	.000	.000
2 IRR FOOD GRAIN	.000	.000	.000	.000	.000	.000	.000	.000
3 IRR FEED GRAIN	.000	.000	.000	.000	.000	.000	.000	.000
4 OTHER IRR CROP	.000	.000	.000	.000	.000	.000	.000	118.354
5 DRYLAND COTTON	.000	.000	.000	.000	.000	.000	.000	.000
6 DRY FOOD GRAIN	.000	.000	.000	.000	.000	.000	.000	.000
7 DRY FEED GRAIN	.000	.000	.000	.000	.000	.000	.000	.000
8 OTHER DRY CROP	.000	.000	.000	.000	.000	.000	.000	168.636
9 RANGE LIVESTOCK	.000	.000	.000	.000	.000	.000	.000	25.180
10 FEEDLOT LIVSTK	.000	.000	.000	.000	.000	.000	.000	.000
11 DAIRY	.000	.000	.000	.000	.000	.000	.000	16.976
12 POULTRY, EGGS	.058	.000	.000	.070	.000	.000	.000	109.745
13 AG SUP EX FMC	.000	.000	.000	.000	.000	.000	.000	.000
14 COTTON GINNING	.000	.000	.000	.000	.000	.000	.000	.000
15 AGRI SERVICES	.000	.000	.000	.000	.000	.000	.000	.000
16 PRIM FORESTRY	.000	.000	.000	.000	.000	.000	.000	.000
17 FISHERIES	.000	.000	.000	.000	.000	.000	.000	14.492
18 CRUDE PETRO	.000	.000	.000	.000	.031	.000	.000	.000
19 NATRL GAS LQDS.	.000	.000	.000	.000	.000	.000	.000	98.139
20 OIL, GAS FLD SV	.000	.000	.000	.000	.000	.000	.000	.000
21 LIGNITE, OTH MINE	.000	.000	.000	.005	.000	.000	.000	.000
22 RES CONSTRUCT	.000	.000	.000	.000	.000	.000	.000	.000
23 COMM, ED, INST	.000	.000	.000	.000	.000	.000	.000	.000
24 INDUS CONS	.000	.000	.000	.000	.000	.000	.000	.000
25 FACILITY CONS	.000	.000	.000	.000	.000	.000	.000	.000
26 MAINTEN, REPR	63.258	4.886	.017	44.548	.338	2.213	2.607	441.760
27 MEAT PRODUCTS	5.846	.204	.000	8.552	.065	.000	.000	2637.022
28 POULTRY PROD	.118	.000	.000	.204	.000	.000	.000	262.366
29 DAIRIES	4.029	.140	.000	4.921	.000	.000	.000	786.348
30 OTH GRAIN MIL	.094	.000	.000	.365	.000	.000	.000	21.699
31 ANIMAL FEEDS	.012	.000	.000	.014	.000	.145	.000	62.825
32 BAKERY PROD	2.515	.088	.000	3.104	.000	.000	.000	508.446
33 CNND, PSVP, PCK	4.782	.167	.000	7.068	.000	.031	.000	284.685
34 OTH FOOD PROD	1.034	.036	.000	5.390	.000	.000	.000	1333.895
35 BEVERAGES	1.085	.495	.007	2.501	.000	.069	.000	1718.627
36 TEXTILE MILL	.308	.036	.000	.430	.000	.035	.000	11.878
37 MBWMC FURN	1.600	.056	.000	3.185	.164	.449	.000	582.308
38 RELATED APPRL	.155	.000	.000	1.040	.000	.012	.000	98.674
39 LOGGING	.000	.000	.000	.000	.000	.000	.000	.000
40 LUMBER MILLS	.056	.000	.000	.089	.000	.080	.000	7.836
41 MILLWORK, WOOD	.330	.011	.000	.661	.000	.005	.000	41.916
42 WOOD FURN, FIX	1.427	.650	.028	6.241	.055	.038	.000	74.862
43 MET FURN, FIXT	1.206	.555	.025	2.758	.000	.422	.000	24.239
44 PAPER, PAP MIL	.724	.339	.014	1.581	.000	.128	.000	10.247
45 PAP EX BOX, CT	2.838	1.313	.056	7.656	.123	.166	.000	35.839
46 BOXES, PAP CNT	.195	.089	.000	.466	4.097	.000	.000	20.256
47 NEWSPAPERS	3.388	.106	.032	5.725	.000	.000	.000	277.543
48 PUBLISHING	1.770	1.936	.037	9.289	.058	.018	.000	15.138
49 PRINTING	11.382	5.684	.592	79.675	.000	1.111	.066	22.790
50 MANFLO BUS FM	1.308	.784	.026	2.332	.100	.013	.034	30.501

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 169	* SECTOR 170	* SECTOR 171	* SECTOR 172	* SECTOR 173	* SECTOR 174	* SECTOR 175	* HOUSEHOLDS*
51 OTH PNT,PUBS	1.305	.493	.101	1.819	.040	.032	.000	11.622
52 CHLOR,ALKALIE	1.890	.927	.037	5.047	.000	.000	.000	20.307
53 CYCCRD INT,IG	.029	.014	.000	.071	.000	.000	.000	.000
54 ORG CHEM	3.208	.518	.021	2.624	.000	.005	.489	60.901
55 INORG CHEM	1.099	.506	.022	2.491	.000	.358	.000	56.355
56 FIBERS,PLASTI	.129	.059	.000	.504	.000	.078	.000	7.057
57 SYN RUBBER	.000	.000	.000	.000	.000	.000	.000	.000
58 DRUGS	2.476	.086	.000	3.112	.000	.019	.000	14.691
59 AGRICHEMICAL	.331	.011	.000	.676	.000	.087	.000	110.037
60 SPS,CLNS,TOIL	.487	.052	.000	.779	.021	.150	.000	123.911
61 PAINT*VARNISH	.845	.006	.000	.213	.000	.088	.000	89.697
62 OTH CHEMICALS	.243	.010	.000	68.849	.127	.019	.000	.513
63 PETRO REFING	19.290	1.484	.034	53.888	.803	4.554	1.917	4243.893
64 OTH PETRO PRD	.000	.000	.000	.000	.000	.022	.000	3.384
65 TIRES	.059	.000	.000	.136	1.436	.218	.014	41.955
66 FAB RUBBER PR	.412	.037	.000	.513	.000	.000	.000	8.495
67 PLASTIC PRODS	5.429	.583	.025	194.903	3.381	.000	.000	231.605
68 LEATHER,L PRD	.256	.215	.008	.597	.000	.026	.000	34.837
69 GLASS	.030	.014	.000	.067	.000	.010	.000	19.750
70 CLAY	.063	.029	.000	.153	.000	.170	.000	30.735
71 CUT ST,CL,SH	.336	.151	.007	.825	.000	.035	.000	23.802
72 CEMENT,CONCRT	2.933	.023	.000	.151	.000	.170	.000	7.081
73 BLAST FURNACE	.061	.028	.000	.136	1.523	.012	.018	7.213
74 PRI STEEL,IRO	33.147	.016	.000	.080	.000	.035	.000	.000
75 FOUNDRIES	.095	.044	.000	.267	.086	.000	.000	18.712
76 NONFER SMELTG	.012	.000	.000	.013	.040	.000	.000	11.492
77 AL SMLT ROL DR	2.544	.065	.000	.376	2.840	.000	.000	21.074
78 CAST,FRGINGS	.043	.031	.000	.120	.594	.000	.000	3.675
79 FABRI STEEL	.028	.013	.000	.079	.000	.006	.000	.000
80 PLATE WORK	.125	.058	.000	.289	.103	.020	.000	.000
81 SH MET,ARCH	5.534	.655	.046	3.311	.000	.030	.000	43.924
82 METAL DOORS	.100	.046	.000	.253	.000	.000	.000	14.681
83 FAB MET PRD	2.103	1.121	.042	4.767	.038	.297	.000	33.705
84 PLUMBING	.295	.136	.006	.770	.000	.082	.010	11.648
85 BOLTS,NUTS,SC	.138	.064	.000	.310	.000	.015	.000	20.253
86 ELCTPLT,CT,EN	.222	.102	.000	.499	.598	.000	.000	.368
87 VALVE,PIPE FT	155.686	.111	.000	.611	.835	.041	.011	.000
88 OTH FAB MET P	.024	.011	.000	118.078	.000	.000	.000	1.901
89 FM,CONS,IND M	.103	.000	.000	.125	.000	1.051	3.225	11.184
90 HTL HDL MC,EQ	.032	.000	.000	.039	.036	.000	.000	.000
91 MIN MACH,EQU	.301	.146	.000	.364	.041	.000	.000	.000
92 ENGINES	.000	.000	.000	.005	.000	.000	.177	.000
93 METAL WK MACH	.061	.000	.000	.073	1.002	.025	.000	8.591
94 IND PROC MACH	.044	.000	.000	.054	.000	.046	.000	.000
95 GEN IND MACH	.017	.000	.000	.021	.304	.000	.000	.000
96 REFRIG MACH	.994	.035	.000	1.716	.000	.000	.000	.000
97 COMPU,ACCT MACH	.789	.356	.000	1.924	1.924	.034	.000	.000
98 ELEC INST,AP	1.364	.379	.014	1.723	1.045	.090	.000	1.456
99 ELEC HSLD EQ	.386	.177	.008	1.161	.221	.000	.000	5.818
100 ELEC COMM EQ	2.727	1.254	.054	6.314	8.594	.103	.000	38.316

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 169	* SECTOR 170	* SECTOR 171	* SECTOR 172	* SECTOR 173	* SECTOR 174	* SECTOR 175	* HOUSEHOLDS*
101 OTH ELEC APP	.612	.282	.012	1.489	.000	1.862	.000	13.556
102 AIRCRAFT	.000	.000	.000	.000	.000	.000	.000	.000
103 AIRCRAFT ENG	.000	.000	.000	.000	2.554	.000	.000	.000
104 OTH AIRCRAFT	.023	.000	.000	.027	.000	.000	.000	.000
105 MOTOR VHCL,P	3.039	.107	.000	4.369	.082	10.597	.042	667.043
106 SHIP,BT BLDG	.012	.000	.000	.014	.000	.468	.000	34.644
107 OTH TRANS EQ	.669	.023	.000	7.443	1.278	.000	.000	218.562
108 SCIENTIF INS	.464	.214	.009	1.047	.000	.023	.000	.000
109 MECH HSRG DV	.034	.016	.000	.106	3.823	.000	.000	.000
110 MEDICAL INST	5.801	2.668	.114	13.034	.000	.000	.000	29.340
111 PHO,TH,OPT I	8.331	16.199	.058	6.672	1.497	.051	.000	2.058
112 GAMES,TOYS	.307	.141	.006	.890	.000	.085	.000	20.053
113 OTH HFG IND	3.800	1.638	.082	11.545	.000	.065	.000	31.955
114 RAIL TRANS	.410	1.253	.000	2.313	.700	.384	5.945	150.050
115 INTERCTY HGY	.048	.156	.000	.314	.000	.000	.000	136.725
116 MOTOR FRT STR	1.812	25.675	.014	13.224	.302	.793	19.215	1358.677
117 WATER TRANS	.000	.000	.000	.000	.000	.000	.000	59.120
118 AIR TRANS	16.014	16.927	.283	33.803	.060	.173	.920	863.684
119 PIPELINE TRN	.000	.000	.000	.000	.000	.000	.000	.000
120 LOC,SUB TRAN	.074	.240	.000	.468	.000	.011	.000	132.350
121 OTH TRAN SER	.055	.098	.000	.191	.000	.000	.000	9.065
122 TELEP,TELEGR	20.365	23.773	.336	36.074	1.243	.069	.771	583.541
123 RADIO , TV	1.450	1.915	.016	6.368	.000	.000	.208	.799
124 OTH COMMUNIC	.454	.606	.000	1.332	.000	.000	.000	32.870
125 GAS SERVICES	1.568	4.518	.015	18.417	.132	.143	.283	1024.461
126 ELEC SERVICES	7.727	22.358	.102	89.542	.772	.569	3.580	1499.640
127 WATER,SANI SERV	1.830	5.522	.033	17.799	.148	.498	.131	466.884
128 WHL AUT PT,S	.235	.648	.000	11.357	.000	5.114	.141	1994.935
129 WHL GRO,RELP	1.187	3.885	.000	7.621	.000	.000	.000	1456.498
130 WHL FM PROD	.000	.006	.000	.253	.000	.000	.000	14.014
131 WHL LIVESTOC	.000	.000	.000	.000	.000	.000	.000	7.557
132 WHL HAC,EQ,S	22.359	19.139	.046	27.441	.000	.078	.223	179.967
133 WHL PET,PETP	2.438	3.508	.013	20.969	.166	.631	2.298	1033.225
134 GEN WHL	58.672	19.130	.097	124.669	6.444	.874	.391	4018.333
135 LUMBER YARDS	.000	.000	.000	.200	.000	.000	.000	17.792
136 FARM EQ DEAL	.000	.000	.012	.235	.000	.000	.000	225.848
137 HDW,HT,E,P,W	.000	.016	.000	.033	.000	.000	.000	91.470
138 DEPT,VAR STO	.010	.066	.007	.594	.000	.000	.000	2363.815
139 FOOD STORES	.343	1.124	.000	6.033	.000	.000	.000	2869.651
140 AUTO DEAL,RP	8.983	.783	.000	7.652	.246	2.273	1.338	1839.931
141 GAS SER STAT	.332	.557	.000	7.156	.000	.202	.312	317.244
142 APPRL ACC ST	.012	.016	.000	.035	.000	.000	.000	1351.197
143 FURN,HM F,EQ	.009	.032	.000	.144	.000	.000	.000	856.017
144 EAT,DRINK PL	6.922	5.411	.132	23.513	.000	.009	.000	2991.980
145 OTHER RETAIL	1.471	4.161	.135	12.512	.893	.000	.000	2097.320
146 BANK,CRD AGE	28.013	29.400	.067	88.535	.599	1.774	6.077	5336.324
147 INSURANCE CA	9.798	14.733	.185	54.719	.669	2.611	1.627	1270.855
148 F.I.R.E. NEC	40.943	111.567	1.187	108.242	4.082	.000	5.502	2178.256
149 LEGAL SERVIC	4.527	6.864	.194	28.671	.000	.000	.236	255.235
150 LODGING SERV	5.625	7.933	.126	16.905	.000	.007	.465	688.825

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* SECTOR 169 *	* SECTOR 170 *	* SECTOR 171 *	* SECTOR 172 *	* SECTOR 173 *	* SECTOR 174 *	* SECTOR 175 *	HOUSEHOLDS*
151 PERSONAL SER	1.106	3.567	.000	9.953	.350	.000	.020	1215.196
152 ADVERTISING	.497	.794	.009	1.749	.051	.000	.030	.810
153 DUPL, ADDRESS	.571	1.321	.008	2.770	.000	.000	.000	27.459
154 PRI EMPL AGE	.327	11.205	.000	2.110	.000	.000	.000	56.043
155 PHOTO SERVIC	1.537	5.015	.000	13.792	.000	.000	.000	243.203
156 RESRCH, DEVEL	.000	.011	.000	.022	.000	.000	.000	.000
157 OTHER BUS SE	37.706	26.450	.027	33.874	.000	2.315	.271	23.035
158 MTN PCT, AM, R	.471	1.520	.033	2.971	.000	.000	.000	847.978
159 AUTO RENT SE	2.153	1.913	.040	3.807	.000	.007	.000	50.938
160 AUTO PARKING	.057	.038	.000	.131	.000	.000	.000	69.137
161 ELEC REP SHP	.213	.688	.000	2.955	.000	.000	.000	118.930
162 MISC REP SER	12.299	8.101	.000	15.291	.000	.000	1.476	244.391
163 PHYS, DENT SE	.296	.882	.000	1.817	.000	.000	.000	1799.988
164 HOSP, LAB SER	1.484	4.422	.000	9.111	.000	.000	.000	3989.011
165 OTH MED SERV	.054	.161	.000	.332	.000	.000	.000	1887.719
166 ED (PUB, PRI)	5.012	9.103	.064	13.078	.080	.000	.000	1525.595
167 COLL, UNIV	1.823	3.590	.040	4.705	.023	.000	.000	1095.419
168 OTH ED SERV	.028	.093	.000	.181	.000	.000	.000	331.980
169 ENG, ARCH SER	15.245	6.911	.000	19.303	.000	.000	.000	32.429
170 COMPU, ACCT SERV	4.577	14.384	.300	38.529	.854	2.321	.495	199.443
171 OTH PROF SER	.043	.141	.000	.330	.000	.000	.000	5.058
172 OTHER SERVIC	5.993	19.812	.019	69.012	.000	.000	.629	1832.658
173 ORD, ORD ACCS	.000	.000	.000	.000	.747	.000	.000	1.012
174 OUTDOOR REC	.122	.460	.000	.772	.000	.000	.150	113.345
175 SCRAP	.000	.000	.000	.000	1.117	.000	.000	.000
176 HOUSEHOLDS	1144.570	883.809	17.451	1252.545	59.484	143.040	74.087	6655.546
177 PROP PAY	45.732	246.015	2.363	31.210	3.193	.000	8.346	673.640
178 FEDERAL GOVT	81.591	13.673	1.566	48.070	.530	5.085	4.013	17221.841
179 STATE GOVT	2.293	1.571	.068	4.251	.024	.000	1.593	1021.408
180 LOCAL GOVT	4.016	3.874	.042	9.795	.055	.000	.848	396.004
181 DEPRECIATION	27.716	32.831	.581	40.611	3.740	.000	3.549	.000
182 IMPORTS	370.298	169.284	2.479	754.159	35.525	41.761	34.181	24513.561
TOTAL VALUE ADDED	1305.918	1181.773	22.071	1386.482	67.026	148.125	92.436	25968.439
TOTAL PURCHASES	2391.951	1852.588	29.953	3879.803	162.126	236.756	188.456	122242.004

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* FED GOV DEF*	FED NON DEF*	STATE GOVT *	LOCAL GOVT *	CAPITAL FORM*	EXPORTS	*FINAL DEMAND*	TOTAL SALES*
1 IRR COTTON	.000	64.899	.000	.000	.000	529.894	594.793	713.321
2 IRR FOOD GRAIN	.000	17.174	.000	.000	.000	100.758	117.932	417.927
3 IRR FEED GRAIN	.000	29.724	.000	.000	.000	117.203	146.927	508.376
4 OTHER IRR CROP	.000	6.708	.013	.039	.000	89.013	214.127	666.513
5 DRYLAND COTTON	.000	68.712	.000	.000	.000	675.276	743.988	815.672
6 DRY FOOD GRAIN	.000	21.627	.000	.000	.000	127.047	148.674	289.903
7 DRY FEED GRAIN	.000	42.552	.005	.018	.000	208.990	251.565	532.194
8 OTHER DRY CROP	.000	11.108	.010	.025	.000	91.299	271.078	458.977
9 RANGE LIVESTOCK	.000	3.925	.000	.000	.000	146.023	175.128	1733.139
10 FEEDLOT LIVSTK	.000	1.902	.000	.000	.000	1436.345	1438.247	2752.764
11 DAIRY	.000	.000	.000	.000	.000	2.737	19.713	539.602
12 POULTRY, EGGS	.000	.000	.000	.000	.000	13.777	123.522	451.908
13 AG SUP EX FMC	.000	.000	.000	.000	.000	.000	.000	386.281
14 COTTON GINNING	.000	.000	.000	.000	.000	14.736	14.736	195.410
15 AGRI SERVICES	.000	.000	.000	.000	.000	21.883	21.883	533.595
16 PRIM FORESTRY	.000	.000	3.160	.000	.000	.000	3.160	391.231
17 FISHERIES	.000	.000	.000	.000	.000	30.931	45.423	158.868
18 CRUDE PETRO	.000	.000	.000	.000	.000	8492.036	8492.036	21200.008
19 NATRL GAS LQDS.	.100	.005	.000	.000	.000	1634.945	1733.189	2669.100
20 OIL, GAS FLDSV	.000	.000	.000	.000	.000	1627.106	1627.106	6136.592
21 LIGNITE, OTH MINE	.018	.010	13.336	.038	.000	49.993	63.395	1588.002
22 RES CONSTRUCT	.000	.000	.000	.000	9719.628	.000	9719.628	9719.667
23 COMM, ED, INST	.000	.000	.000	.000	6066.243	.000	6066.243	6091.420
24 INDUS CONS	.000	.000	.000	.000	2550.467	.000	2550.467	2550.628
25 FACILITY CONS	95.304	.000	.000	.000	9947.058	.000	10042.362	10089.649
26 MAINTEN, REPR	13.797	22.097	9.831	9.195	.000	.000	496.680	3568.420
27 MEAT PRODUCTS	20.489	.000	3.388	2.616	.000	1452.489	4116.004	5262.757
28 POULTRY PROD	14.671	.000	2.441	1.825	.000	161.673	442.976	503.905
29 DAIRIES	32.572	1.696	3.135	.004	.000	160.689	984.444	1130.051
30 OTH GRAIN MIL	.000	79.235	.000	.006	.000	894.911	995.851	1199.355
31 ANIMAL FEEDS	.005	.000	.577	.008	.000	400.457	463.872	853.124
32 BAKERY PROD	4.420	.000	1.451	.022	.000	257.616	771.955	877.743
33 CNND, PSVP, PCK	.497	2.025	8.169	.053	.000	562.354	857.783	1088.071
34 OTH FOOD PROD	2.037	17.743	5.048	.199	.000	1440.859	2799.781	3288.547
35 BEVERAGES	.903	.076	.095	.599	.000	533.359	2253.659	2421.050
36 TEXTILE MILL	.053	.000	1.689	.096	.000	181.743	195.459	386.145
37 MBWMC FURN	13.058	3.905	1.425	6.829	.000	1465.775	2073.300	2134.120
38 RELATED APPRL	.000	.000	.493	.217	.000	238.091	337.475	363.348
39 LOGGING	.000	.000	.000	.000	.000	.000	.000	236.056
40 LUMBER MILLS	.013	.000	.561	.181	.000	25.569	34.160	374.158
41 MILLWORK, WOOD	13.378	19.298	1.760	.492	7.706	926.546	1011.096	1553.221
42 WOOD FURN, FIX	9.105	1.800	1.410	18.075	69.137	291.072	465.461	582.943
43 MET FURN, FIXT	.142	2.222	6.785	2.507	23.121	23.332	82.348	138.480
44 PAPER, PAP MIL	.039	.000	.844	.080	.000	353.622	364.832	808.155
45 PAP EX BOX, CT	6.192	6.313	2.011	1.868	.000	272.744	324.967	593.427
46 BOXES, PAP CNT	4.490	4.070	.200	.180	.000	113.245	142.441	752.243
47 NEWSPAPERS	.009	.035	.000	.248	.000	120.466	398.301	944.900
48 PUBLISHING	.021	.010	.190	.172	.000	95.878	111.409	219.824
49 PRINTING	.000	.011	1.915	1.396	.000	295.926	322.038	834.857
50 MANFLD BUS FM	13.725	26.154	10.332	7.804	.000	100.789	189.305	285.826

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* FED GOV DEF*	FED NON DEF*	STATE GOVT	* LOCAL GOVT	*CAPITAL FORM*	EXPORTS	*FINAL DEMAND*	TOTAL SALES*
51 OTH PRNT,PUBS	.052	.542	.540	.421	.000	50.347	63.524	122.797
52 CHLOR,ALKALIE	2.096	5.076	.002	1.746	.000	363.103	392.330	724.086
53 CYCCRD INT,IG	.000	.000	.005	.013	.000	1185.529	1185.547	1761.927
54 ORG CHEM	1.964	41.094	.214	.227	.000	9187.146	9291.546	14879.499
55 INORG CHEM	.029	.000	1.495	1.678	.000	229.205	288.762	918.464
56 FIBERS,PLASTI	.019	.000	4.275	.036	.000	2546.226	2557.613	3131.278
57 SYN RUBBER	.000	.000	.000	.000	.000	949.733	949.733	1066.462
58 DRUGS	.165	.170	5.994	.291	.000	154.159	175.470	237.842
59 AGRI CHEMICAL	.716	.040	10.483	3.842	.000	486.262	611.380	1247.981
60 SPS,CLNS,TOIL	1.486	.351	1.798	.656	.000	287.750	415.952	565.372
61 PAINT,VARNISH	3.712	.772	7.002	1.635	.000	344.513	447.331	650.621
62 OTH CHEMICALS	31.868	.010	.518	.033	.000	441.681	474.623	1088.195
63 PETRO REFING	490.606	395.262	21.523	53.585	.000	23027.433	28232.302	37961.716
64 OTH PETRO PRD	.064	.000	3.216	2.132	.000	19.640	28.436	467.365
65 TIRES	18.404	.004	.007	.339	.000	149.226	209.935	419.600
66 FAB RUBBER PR	.000	.000	1.539	.102	.906	125.759	136.801	221.792
67 PLASTIC PRODS	18.096	4.945	20.540	.104	.000	487.208	762.498	1399.281
68 LEATHER,L PRD	1.187	.236	1.257	.049	.000	85.134	122.700	224.532
69 GLASS	.000	4.646	.335	.000	.000	62.483	87.214	363.303
70 CLAY	.026	.010	.013	.139	.000	83.163	114.086	288.423
71 CUT ST,CL,SH	.368	1.890	8.023	5.153	.000	276.222	315.458	718.583
72 CEMENT,CONCRT	2.141	1.196	2.316	1.217	.000	134.719	148.670	1794.852
73 BLAST FURNACE	62.979	.015	.039	1.605	144.410	104.778	321.039	1638.586
74 PRI STEEL,IRO	.670	.747	.485	.017	.000	3.179	5.098	314.771
75 FOUNDRIES	1.588	.000	.008	.116	.000	150.247	170.671	439.918
76 NONFER SMELTG	.000	.000	.000	.333	.000	1552.475	1564.300	2007.260
77 AL SMLT ROL DR	.568	38.470	.053	.006	.000	387.906	448.077	1249.866
78 CAST,FORGINGS	.003	.000	.002	.114	.000	44.920	48.714	132.463
79 FABRI STEEL	3.233	.618	.558	1.040	13.708	77.470	96.627	700.240
80 PLATE WORK	.296	.035	.391	1.737	439.035	332.792	774.286	902.455
81 SH MET,ARCH	.000	1.583	.116	.080	24.907	100.516	171.126	918.437
82 METAL DOORS	.000	.000	.000	.044	.000	22.704	37.429	295.265
83 FAB MET PROD	.221	.235	2.526	.633	9.631	112.349	159.300	1039.387
84 PLUMBING	.221	.062	.788	.208	.000	46.402	59.329	184.608
85 BOLTS,NUTS,SC	6.011	.674	.063	.060	.000	228.119	255.180	518.611
86 ELCTPLT,CT,EN	.000	.000	.000	.004	91.009	35.431	126.812	234.586
87 VALVE,PIPE FT	1.155	.291	.059	.727	68.244	296.130	366.606	1141.512
88 OTH FAB MET P	3.201	1.545	.293	.041	15.077	10.670	32.728	289.306
89 FM,CONS,IND M	.657	6.824	5.948	1.832	189.184	436.143	651.772	807.466
90 MTL HDL MC,EQ	.000	.000	.071	.032	99.075	92.677	191.855	239.821
91 MIN MACH,EQUP	38.463	1.202	.000	2.311	1621.862	2262.218	3926.056	4279.960
92 ENGINES	2.458	13.593	.007	.084	16.193	135.909	168.244	273.212
93 METAL WK MACH	8.218	.000	.283	.168	38.308	105.839	161.407	227.963
94 IND PROC MACH	.018	.309	3.319	.010	172.248	84.725	260.629	395.230
95 GEN IND MACH	1.436	.175	1.327	.083	83.135	273.129	359.285	772.359
96 REFRIG MACH	.423	.097	1.733	1.255	297.912	758.632	1060.052	1221.108
97 COMPU,ACCT MACH	127.114	19.553	21.270	2.419	635.092	1307.004	2112.452	2551.594
98 ELEC INST,AP	14.404	.441	1.494	.289	66.980	112.049	197.113	645.518
99 ELEC HSLD EQ	.197	.107	.781	1.246	.000	86.208	94.357	155.505
100 ELEC COMM EQ	19.935	3.229	9.036	10.809	.000	3914.379	3995.704	4459.354

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* FED GOV DEF*	FED NON DEF*	STATE GOVT *	LOCAL GOVT *	*CAPITAL FORM*	EXPORTS	*FINAL DEMAND*	TOTAL SALES*
101 OTH ELEC APP	4.907	.456	6.589	5.101	9.540	195.606	235.755	362.328
102 AIRCRAFT	1449.192	88.025	.000	.000	298.556	150.373	1986.146	1993.291
103 AIRCRAFT ENG	.000	7.123	.000	.000	.000	12.175	19.298	23.650
104 OTH AIRCRAFT	11.892	.000	.020	.000	.000	62.459	74.371	90.773
105 MOTOR VHCL,P	9.053	6.666	2.084	3.063	24.862	894.049	1606.820	1965.351
106 SHIP,BT BLDG	20.950	.000	.001	.000	70.115	230.953	356.663	420.941
107 OTH TRANS EQ	4.197	.000	.000	.038	323.262	153.670	699.729	745.656
108 SCIENTIF INS	.431	.438	.181	.008	7.404	31.989	40.451	67.488
109 MECH MSRG DV	9.435	6.448	.022	.042	60.816	130.182	206.945	265.680
110 MEDICAL INST	1.597	6.168	9.557	7.387	1.229	198.656	253.934	384.568
111 PHO, TM, OPT I	.307	.081	.795	.050	.000	113.708	116.999	194.205
112 GAMES, TOYS	.460	.000	.328	.068	.000	119.682	140.591	152.603
113 OTH MFG IND	11.262	2.863	1.424	.380	.000	153.259	201.143	447.782
114 RAIL TRANS	9.935	3.368	.020	.528	29.264	399.619	592.784	1785.765
115 INTERCTY H6Y	1.571	.518	.000	.071	.000	.000	138.885	157.768
116 MOTOR FRT STR	59.219	9.668	9.366	6.786	79.870	274.961	1798.547	4307.950
117 WATER TRANS	.000	.000	.000	.000	3.471	807.202	869.793	1880.659
118 AIR TRANS	66.815	14.301	.113	3.970	5.623	225.809	1180.315	1736.531
119 PIPELINE TRN	.000	.000	.000	.000	.000	224.032	224.032	1092.894
120 LOC, SUB TRAN	.000	.000	.007	.129	.000	.000	132.486	138.003
121 OTH TRAN SER	.000	.000	.000	.045	2.538	53.111	64.759	271.571
122 TELEP, TELEGR	9.568	9.906	3.883	8.712	49.362	.000	664.972	2424.495
123 RADIO, TV	.000	.000	.000	.867	.000	94.618	96.284	429.722
124 OTH COMMUNIC	.000	.000	.000	.279	.000	23.135	56.284	136.213
125 GAS SERVICES	71.266	3.300	3.824	3.421	.000	2721.016	3827.288	8577.073
126 ELEC SERVICES	27.819	101.135	14.927	17.090	.000	.000	1660.611	5792.948
127 WATER, SANI SERV	52.229	.000	2.801	4.228	.000	.000	526.142	1445.126
128 WHL AUT PT, S	.000	.000	.000	1.618	178.491	837.485	3012.529	3402.423
129 WHL GRO, RELP	.000	.000	.000	2.502	.000	168.888	1627.888	2379.826
130 WHL FM PROD	.000	.000	.000	.003	.000	924.095	938.112	1335.022
131 WHL LIVESTOC	.000	.000	.000	.001	.000	29.936	37.494	104.846
132 WHL MAC, EQ, S	.000	.000	.950	7.445	2693.532	877.617	3759.511	5577.208
133 WHL PET, PETP	189.263	19.460	8.530	11.564	.000	881.396	2143.438	3622.489
134 GEN WHL	2.249	1.044	1.209	13.217	481.582	2052.539	6570.173	10879.886
135 LUMBER YARDS	.000	.000	.000	.011	3.075	5.460	26.338	537.996
136 FARM EQ DEAL	.000	.000	.000	.000	61.008	20.075	306.931	393.796
137 HDW, HT, E, P, W	.000	.000	.000	.014	3.810	3.233	98.527	162.452
138 DEPT, VAR STO	.000	.000	.000	.050	.000	97.839	2461.704	2651.240
139 FOOD STORES	.000	.000	.000	.520	.000	23.475	2893.646	3034.380
140 AUTO DEAL, RP	.000	.000	1.984	2.694	38.325	148.326	2031.260	3135.211
141 GAS SER STAT	.000	4.495	1.969	2.552	.000	12.094	338.354	636.811
142 APPRL ACC ST	.000	.000	.000	.008	.000	82.942	1434.147	1442.811
143 FURN, HM F, EQ	.000	.000	.000	2.051	9.609	31.339	899.016	966.958
144 EAT, DRINK PL	.000	.000	2.312	2.006	.000	319.572	3315.870	3766.598
145 OTHER RETAIL	.000	.000	.052	1.443	1.266	39.670	2139.751	2455.008
146 BANK, CRD AGE	.000	.000	32.210	14.372	.000	1955.728	7338.634	14370.678
147 INSURANCE CA	6.524	.302	20.960	43.996	.426	1152.694	2495.757	5817.872
148 F. I. R. E. NEC	.000	.000	68.654	240.308	.000	190.297	2677.515	9928.406
149 LEGAL SERVIC	5.342	1.479	1.711	7.547	.000	158.584	429.898	1573.283
150 LODGING SERV	10.286	9.646	3.866	2.441	.000	190.021	905.085	1278.771

APPENDIX TABLE 2. TRANSACTIONS (TEXAS, 1979)
(MILLION DOLLARS)

	* FED GOV DEF*	FED NON DEF*	STATE GOVT *	LOCAL GOVT *	CAPITAL FORM*	EXPORTS	*FINAL DEMAND*	TOTAL SALES*
151 PERSONAL SER	2,472	1,144	.001	1,669	.000	3,772	1224,254	1406,356
152 ADVERTISING	.087	.023	.672	1,471	.000	3,169	6,232	280,510
153 DUPL, ADDRESS	.327	.019	1,054	1,288	.000	11,534	41,681	120,932
154 PRI EML AGE	.000	.000	.000	.485	.000	16,642	73,170	139,644
155 PHOTO SERVIC	.069	.034	.038	2,281	.000	99,473	345,098	586,768
156 RESRCH, DEVEL	11,838	.076	.089	.005	.000	35,159	47,167	131,230
157 OTHER BUS SE	8,743	4,048	4,692	8,908	.000	55,688	105,114	3430,015
158 HIN PCT, AN, R	.000	.000	.000	.697	.000	95,125	943,800	1126,023
159 AUTO RENT SE	.000	.000	.000	.718	.000	81,502	133,158	615,864
160 AUTO PARKING	.060	.027	.029	.017	.000	1,100	70,370	76,885
161 ELEC REP SHP	.308	.143	.163	.693	.000	10,048	130,285	331,098
162 MISC REP SER	2,330	1,079	1,249	1,108	.000	39,491	289,648	1093,592
163 PHYS, DENT SE	.000	.000	.000	.405	.000	20,510	1820,903	1868,591
164 HOSP, LAB SER	1,628	.782	.873	2,032	.000	323,950	4318,276	4628,281
165 OTH MED SERV	.000	.000	.000	.074	.000	38,620	1926,413	1931,875
166 ED(PUB, PRI)	.000	393,612	.000	3,070	.000	.000	1922,277	4921,205
167 COLL, UNIV	.000	171,742	.000	1,131	.000	.000	1268,292	2524,046
168 OTH ED SERV	.000	.000	.000	.042	.000	27,531	359,553	363,409
169 ENG, ARCH SER	591,554	455,004	4,720	52,513	44,429	346,833	1527,482	2391,949
170 COMPU, ACCT SERV	7,191	26,225	4,917	12,108	.000	128,139	378,023	1852,591
171 OTH PROF SER	.099	.046	.053	.206	.000	4,147	9,609	29,954
172 OTHER SERVIC	.000	.000	10,021	40,364	.000	1281,752	3164,795	3879,805
173 ORD, ORD ACCS	120,512	.001	.738	.586	.000	37,476	160,325	162,125
174 OUTDOOR REC	.000	.000	.000	.182	.000	.000	113,527	236,757
175 SCRAP	.000	.000	.000	.000	.000	40,822	40,822	188,457
176 HOUSEHOLDS	3328,794	9571,663	1946,158	1194,216	.000	10903,249	33599,626	122242,005
177 PROP PAY	.000	.000	.000	.000	.000	.000	673,640	24948,710
178 FEDERAL GOVT	92,732	97,120	28,855	38,977	.000	.000	17479,525	29996,636
179 STATE GOVT	.000	1735,935	.000	.000	.000	.000	2757,343	4880,360
180 LOCAL GOVT	.000	314,154	.000	.000	.000	.000	710,158	2282,545
181 DEPRECIATION	.000	.000	.000	.000	.000	.000	.000	8874,795
182 IMPORTS	2125,663	2234,333	569,768	389,299	1336,075	.000	31168,699	108926,894
TOTAL VALUE ADDED	3421,526	11718,872	1975,013	1233,193	.000	10903,249	55220,292	193225,051
TOTAL PURCHASES	9441,682	16305,185	2996,458	2328,664	38227,816	110610,139	302151,948	653496,717

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 1 *	* SECTOR 2 *	* SECTOR 3 *	* SECTOR 4 *	* SECTOR 5 *	* SECTOR 6 *	* SECTOR 7 *	* SECTOR 8 *
1 IRR COTTON	0.01704838	0.	0.	0.	0.	0.	0.	0.
2 IRR FOOD GRAIN	0.	0.03490100	0.	0.	0.	0.	0.	0.
3 IRR FEED GRAIN	0.	0.	0.01083843	0.	0.	0.	0.02528791	0.
4 OTHER IRR CROP	0.	0.	0.	0.01488793	0.	0.	0.	0.03304755
5 DRYLAND COTTON	0.	0.	0.	0.	0.01981924	0.	0.	0.
6 DRY FOOD GRAIN	0.	0.	0.	0.	0.	0.07662510	0.	0.
7 DRY FEED GRAIN	0.	0.	0.	0.00065265	0.	0.	0.	0.
8 OTHER DRY CROP	0.	0.	0.	0.	0.	0.	0.	0.01645406
9 RANGE LIVESTOCK	0.	0.	0.	0.	0.	0.	0.	0.
10 FEEDLOT LIVSTK	0.	0.	0.	0.	0.	0.	0.	0.
11 DAIRY	0.	0.	0.	0.	0.	0.	0.	0.
12 POULTRY,E66S	0.	0.	0.	0.	0.	0.	0.	0.
13 A6 SUP EX FMC	0.03151307	0.09192379	0.04034219	0.03281706	0.03389843	0.05982305	0.04370423	0.06530203
14 COTTON GINNING	0.11546102	0.	0.	0.	0.11831104	0.	0.	0.
15 AGRI SERVICES	0.04323848	0.08342167	0.03023549	0.06123511	0.03927314	0.06604577	0.05503663	0.04356664
16 PRIM FORESTRY	0.	0.	0.	0.	0.	0.	0.	0.
17 FISHERIES	0.	0.	0.	0.	0.	0.	0.	0.
18 CRUDE PETRO	0.	0.	0.	0.	0.	0.	0.	0.
19 NATRL GAS LODS.	0.	0.	0.	0.	0.	0.	0.	0.
20 OIL,GAS FLDV	0.	0.	0.	0.	0.	0.	0.	0.
21 LIGNITE,OTH MINE	0.	0.	0.	0.	0.	0.	0.	0.
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	0.	0.	0.	0.	0.	0.	0.	0.
24 INDUS CONS	0.	0.	0.	0.	0.	0.	0.	0.
25 FACILITY CONS	0.	0.	0.	0.	0.	0.	0.	0.
26 MAINTEN,REPR	0.00783095	0.01186577	0.01334052	0.00755274	0.00644622	0.01260758	0.01731897	0.01170870
27 MEAT PRODUCTS	0.	0.	0.	0.	0.	0.	0.	0.
28 POULTRY PROD	0.	0.	0.	0.	0.	0.	0.	0.
29 DAIRIES	0.	0.	0.	0.	0.	0.	0.	0.
30 OTH GRAIN MIL	0.	0.	0.	0.	0.	0.	0.	0.
31 ANIMAL FEEDS	0.	0.	0.	0.	0.	0.	0.	0.
32 BAKERY PROD	0.	0.	0.	0.	0.	0.	0.	0.
33 CNND,PSVP,PCK	0.	0.	0.	0.	0.	0.	0.	0.
34 OTH FOOD PROD	0.	0.	0.	0.	0.	0.	0.	0.
35 BEVERAGES	0.	0.	0.	0.	0.	0.	0.	0.
36 TEXTILE MILL	0.	0.	0.	0.	0.	0.	0.	0.
37 MBWMC FURN	0.	0.	0.	0.	0.	0.	0.	0.
38 RELATED APPRL	0.	0.	0.	0.	0.	0.	0.	0.
39 LOGGING	0.	0.	0.	0.	0.	0.	0.	0.
40 LUMBER MILLS	0.	0.	0.	0.	0.	0.	0.	0.
41 MILLWOK,WOOD	0.00012897	0.00015792	0.00009245	0.00014253	0.00008337	0.00011728	0.00011274	0.00032246
42 WOOD FURN,FXIT	0.	0.	0.	0.	0.	0.	0.	0.
43 MET FURN,FXIT	0.	0.	0.	0.	0.	0.	0.	0.
44 PAPER,PAP MIL	0.	0.	0.	0.	0.	0.	0.	0.
45 PAP EX BOX,CT	0.	0.	0.	0.	0.	0.	0.	0.
46 BOXES,PAP CNT	0.	0.	0.	0.01117608	0.	0.	0.	0.
47 NEWSPAPERS	0.	0.	0.	0.	0.	0.	0.	0.
48 PUBLISHING	0.	0.	0.	0.	0.	0.	0.	0.
49 PRINTING	0.	0.	0.	0.	0.	0.	0.	0.
50 MANFLD BUS FM	0.	0.	0.	0.	0.	0.	0.	0.

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 1 *	* SECTOR 2 *	* SECTOR 3 *	* SECTOR 4 *	* SECTOR 5 *	* SECTOR 6 *	* SECTOR 7 *	* SECTOR 8 *
51 OTH PRNT,PUBS	0.	0.	0.	0.	0.	0.	0.	0.
52 CHLOR,ALKALIE	0.	0.	0.	0.	0.	0.	0.	0.
53 CYCCRD INT,IG	0.	0.	0.	0.	0.	0.	0.	0.
54 ORG CHEM	0.	0.	0.	0.	0.	0.	0.	0.
55 INORG CHEM	0.	0.	0.	0.	0.	0.	0.	0.
56 FIBERS,PLASTI	0.	0.	0.	0.	0.	0.	0.	0.
57 SYN RUBBER	0.	0.	0.	0.	0.	0.	0.	0.
58 DRUGS	0.	0.	0.	0.	0.	0.	0.	0.
59 AGRI CHEMICAL	.07199684	.08481187	.09454420	.07076381	.07592635	.09610045	.08011785	.11791056
60 SPS,CLNS,TOIL	0.	0.	0.	0.	0.	0.	0.	0.
61 PAINT+VARNISH	0.	0.	0.	0.	0.	0.	0.	0.
62 OTH CHEMICALS	0.	0.	0.	0.	0.	0.	0.	0.
63 PETRO REFING	.04282352	.04080876	.05477835	.02989139	.05605930	.09155068	.09093728	.05505747
64 OTH PETRO PRD	0.	0.	0.	0.	0.	0.	0.	0.
65 TIRES	.00028318	.00028235	.00027342	.00052662	.00039477	.00048982	.00092448	.00142056
66 FAB RUBBER PR	0.	0.	0.	0.	0.	0.	0.	0.
67 PLASTIC PRODS	0.	0.	0.	.01831022	0.	0.	0.	0.
68 LEATHER,L PRD	0.	0.	0.	0.	0.	0.	0.	0.
69 GLASS	0.	0.	0.	0.	0.	0.	0.	0.
70 CLAY	0.	0.	0.	0.	0.	0.	0.	0.
71 CUT ST,CL,SH	0.	0.	0.	0.	0.	0.	0.	0.
72 CEMENT,CONCRT	0.	0.	0.	0.	0.	0.	0.	0.
73 BLAST FURNACE	0.	0.	0.	0.	0.	0.	0.	0.
74 PRI STEEL,IRO	0.	.00001914	.00001574	.00068116	0.	.00002070	.00002067	.00229424
75 FOUNDRIES	0.	0.	0.	0.	0.	0.	0.	0.
76 NONFER SMELTG	0.	0.	0.	0.	0.	0.	0.	0.
77 AL SMLT ROL DR	0.	0.	0.	0.	0.	0.	0.	0.
78 CAST,FORGINGS	0.	0.	0.	0.	0.	0.	0.	0.
79 FABRI STEEL	0.	0.	0.	0.	0.	0.	0.	0.
80 PLATE WORK	0.	0.	0.	0.	0.	0.	0.	0.
81 SH MET,ARCH	0.	0.	0.	0.	0.	0.	0.	0.
82 METAL DOORS	0.	0.	0.	0.	0.	0.	0.	0.
83 FAB MET PRD	.00007430	.00009332	.00007868	.00012603	.00007478	.00011038	.00010147	.00013508
84 PLUMBING	0.	0.	0.	0.	0.	0.	0.	0.
85 BOLTS,NUTS,SC	.00002804	.00003350	.00003147	.00004951	.00002820	.00004484	.00003946	.00005229
86 ELCTPLT,CT,EN	0.	0.	0.	0.	0.	0.	0.	0.
87 VALVE,PIPE FT	.00036870	.00045941	.00039144	.00063165	.00037025	.00054846	.00050170	.00066235
88 OTH FAB MET P	.00006589	.00007896	.00006885	.00009302	.00006498	.00009658	.00008831	.00011765
89 FM,CONS,IND M	.00205797	.00311778	.00350725	.00198496	.00169431	.00331488	.00455288	.00307860
90 MTL HDL MC,EQ	0.	0.	0.	0.	0.	0.	0.	0.
91 MIN MACH,EQU	0.	0.	0.	0.	0.	0.	0.	0.
92 ENGINES	0.	0.	0.	0.	0.	0.	0.	0.
93 METAL WK MACH	0.	0.	0.	0.	0.	0.	0.	0.
94 IND PROC MACH	0.	0.	0.	0.	0.	0.	0.	0.
95 GEN IND MACH	0.	0.	0.	0.	0.	0.	0.	0.
96 REFRIG MACH	0.	0.	0.	0.	0.	0.	0.	0.
97 COMPU,ACCT MACH	0.	0.	0.	0.	0.	0.	0.	0.
98 ELEC INST,AP	0.	0.	0.	0.	0.	0.	0.	0.
99 ELEC HSLD EQ	0.	0.	0.	0.	0.	0.	0.	0.
100 ELEC COMM EQ	0.	0.	0.	0.	0.	0.	0.	0.

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 1 *	* SECTOR 2 *	* SECTOR 3 *	* SECTOR 4 *	* SECTOR 5 *	* SECTOR 6 *	* SECTOR 7 *	* SECTOR 8 *
101 OTH ELEC APP	.00007710	.00006939	.00009442	.00015153	.00010176	.00013453	.00042842	.00041179
102 AIRCRAFT	0.	0.	0.	0.	0.	0.	0.	0.
103 AIRCRAFT ENG	0.	0.	0.	0.	0.	0.	0.	0.
104 OTH AIRCRAFT	0.	0.	0.	0.	0.	0.	0.	0.
105 MOTOR VHCL,P	.00347388	.00526410	.00591885	.00335027	.00285899	.00559494	.00768521	.00519418
106 SHIP,BT BLDG	0.	0.	0.	0.	0.	0.	0.	0.
107 OTH TRANS EQ	0.	0.	0.	0.	0.	0.	0.	0.
108 SCIENTIF INS	0.	0.	0.	0.	0.	0.	0.	0.
109 MECH MSRG DV	0.	0.	0.	0.	0.	0.	0.	0.
110 MEDICAL INST	0.	0.	0.	0.	0.	0.	0.	0.
111 PHO,TM,OPT I	0.	0.	0.	0.	0.	0.	0.	0.
112 GAMES,TOYS	0.	0.	0.	0.	0.	0.	0.	0.
113 OTH MFG IMD	.00004907	.00006221	.00005114	.00010652	.00005640	.00008279	.00007704	.00010022
114 RAIL TRANS	.00184348	.00332835	.00306859	.00192494	.00197383	.00323899	.00342170	.00228117
115 INTERCTY H6Y	0.	0.	0.	0.	0.	0.	0.	0.
116 MOTOR FRT STR	.00244910	.00342167	.00315515	.00426998	.00261870	.00332868	.00351941	.00301977
117 WATER TRANS	.00066870	.00108632	.00100123	.00106525	.00071720	.00106242	.00111614	.00111335
118 AIR TRANS	.00008411	.00010767	.00010229	.00017404	.00008827	.00010348	.00011462	.00013290
119 PIPELINE TRN	0.	0.	0.	0.	0.	0.	0.	0.
120 LOC,SUB TRAN	0.	0.	0.	0.	0.	0.	0.	0.
121 OTH TRAN SER	0.	0.	0.	0.	0.	0.	0.	0.
122 TELEP,TELEGR	.00047804	.00059341	.00050750	.00081769	.00048059	.00069678	.00065014	.00085843
123 RADIC , TV	0.	0.	0.	0.	0.	0.	0.	0.
124 OTH COMMUNIC	0.	0.	0.	0.	0.	0.	0.	0.
125 GAS SERVICES	.05760224	.08278758	.11259580	.02825751	0.	0.	0.	0.
126 ELEC SERVICES	.02116853	.03040976	.04137685	.01219031	.00138536	.00201100	.00264755	.00246854
127 WATER,SANI SERV	0.	0.	0.	0.	0.	0.	0.	0.
128 WHL AUT PT,S	.00095048	.00141891	.00158151	.00310121	.00081283	.00153844	.00213833	.00160357
129 WHL GRO,RELP	0.	0.	0.	0.	0.	0.	0.	0.
130 WHL FM PROD	.00241405	.00461327	.00276960	.00230903	.00278053	.00974112	.00580994	.00663435
131 WHL LIVESTOC	0.	0.	0.	0.	0.	0.	0.	0.
132 WHL MAC,EQ,S	.00208040	.00271341	.00307646	.00273363	.00208540	.00347700	.00397226	.00362547
133 WHL PET,PETP	.00348370	.00332117	.00443963	.00506817	.00456556	.00742657	.00745973	.00467999
134 GEN WHL	.00581644	.00730514	.00750429	.01013934	.00661418	.01192805	.01020874	.01016831
135 LUMBER YARDS	.00001122	.00001436	.00001180	.00002100	.00000858	0.	.00001315	.00004575
136 FARM EQ DEAL	.00126030	.00184961	.00208900	.00125879	.00108499	.00203170	.00267949	.00191078
137 HDW,HT,E,P,W	.00005327	.00007657	.00007671	.00016654	.00004781	.00008624	.00010147	.00035296
138 DEPT,VAR STO	0.	0.	0.	0.	0.	0.	0.	0.
139 FOOD STORES	0.	0.	0.	0.	0.	0.	0.	0.
140 AUTO DEAL,RP	.00082992	.00123467	.00139267	.00084469	.00070739	.00135907	.00183017	.00125933
141 GAS SER STAT	.00157572	.00150027	.00200836	.00209448	.00206456	.00335627	.00336721	.00210251
142 APPRL ACC ST	0.	0.	0.	0.	0.	0.	0.	0.
143 FURN,HH F,EQ	0.	0.	0.	0.	0.	0.	0.	0.
144 EAT,DRINK PL	0.	0.	0.	0.	0.	0.	0.	0.
145 OTHER RETAIL	0.	0.	0.	0.	0.	0.	0.	0.
146 BANK,CRD AGE	.02260126	.03154154	.03078627	.08671849	.02070685	.02741243	.03411745	.10404053
147 INSURANCE CA	.00291313	.02292995	.00240767	.00497965	.00356393	.00424277	.00396098	.00522251
148 F.I.R.E. NEC	0.	0.	0.	0.	0.	0.	0.	0.
149 LEGAL SERVIC	0.	0.	0.	0.	0.	0.	0.	0.
150 LODGING SERV	0.	0.	0.	0.	0.	0.	0.	0.

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 1 *	* SECTOR 2 *	* SECTOR 3 *	* SECTOR 4 *	* SECTOR 5 *	* SECTOR 6 *	* SECTOR 7 *	* SECTOR 8 *
151 PERSONAL SER	0.	0.	0.	0.	0.	0.	0.	0.
152 ADVERTISING	0.	0.	0.	0.	0.	0.	0.	0.
153 DUPL. ADDRESS	0.	0.	0.	0.	0.	0.	0.	0.
154 PRI EMPL AGE	0.	0.	0.	0.	0.	0.	0.	0.
155 PHOTO SERVIC	0.	0.	0.	0.	0.	0.	0.	0.
156 RESRCH,DEVEL	0.	0.	0.	0.	0.	0.	0.	0.
157 OTHER BUS SE	.00010374	.00013160	.00011212	.00017854	.00010543	.00015177	.00014281	.00018737
158 MTN PCT,AM,R	0.	0.	0.	0.	0.	0.	0.	0.
159 AUTO RENT SE	0.	0.	0.	0.	0.	0.	0.	0.
160 AUTO PARKING	0.	0.	0.	0.	0.	0.	0.	0.
161 ELEC REP SHP	.00684402	.00883891	.01370639	.00410945	0.	.00036909	0.	.00044883
162 MISC REP SER	.00025374	.00030867	.00026555	.00043510	0.	0.	0.	0.
163 PHYS,DENT SE	0.	0.	0.	0.	0.	0.	0.	0.
164 HOSP,LAB SER	0.	0.	0.	0.	0.	0.	0.	0.
165 OTH MED SERV	0.	0.	0.	0.	0.	0.	0.	0.
166 ED(PUB,PRI)	.00659168	.00814979	.00747872	.01477090	.00675762	.01012056	.00959806	.01415110
167 COLL,UNIV	.00209022	.00258420	.00237029	.00468258	.00214302	.00320795	.00304214	.00448608
168 OTH ED SERV	0.	0.	0.	0.	0.	0.	0.	0.
169 ENG,ARCH SER	0.	.00105282	0.	0.	0.	0.	0.	0.
170 COMPU,ACCT SERV	0.	0.	0.	0.	0.	0.	0.	0.
171 OTH PROF SER	0.	0.	0.	0.	0.	0.	0.	0.
172 OTHER SERVIC	0.	0.	0.	0.	0.	0.	0.	0.
173 ORD,ORD ACCS	0.	0.	0.	0.	0.	0.	0.	0.
174 OUTDOOR REC	0.	0.	0.	0.	0.	0.	0.	0.
175 SCRAP	0.	0.	0.	0.	0.	0.	0.	0.
176 HOUSEHOLDS	.30195998	.20928396	.24832801	.27660676	.40674683	.23238992	.27942036	.28763658
177 PROP PAY	0.	0.	0.	0.	0.	0.	0.	0.
178 FEDERAL GOVT	.01215438	.01503141	.01378704	.02723878	.01246212	.01866129	.01769853	.02609075
179 STATE GOVT	.00082992	.00102650	.00094222	.00186043	.00085206	.00127628	.00121009	.00178223
180 LOCAL GOVT	.01495395	.01849136	.01696186	.03350872	.01533092	.02295925	.02177414	.03209979
181 DEPRECIATION	.11735497	.15265179	.12682935	.10043015	.08307016	.16477467	.19177138	.07186884
182 IMPORTS	.07205992	.07482443	.09466419	.11291303	.06451000	.04974043	.06093489	.05289177
TOTAL DIRECT REQ	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 9 *	* SECTOR 10 *	* SECTOR 11 *	* SECTOR 12 *	* SECTOR 13 *	* SECTOR 14 *	* SECTOR 15 *	* SECTOR 16 *
1 IRR COTTON	0.	.00002325	0.	0.	0.	0.	0.	0.
2 IRR FOOD GRAIN	.01701941	.00003451	0.	0.	0.	0.	0.	0.
3 IRR FEED GRAIN	.01425968	.10515217	.02395094	0.	0.	0.	.00004873	.00004090
4 OTHER IRR CROP	.00282320	.00570445	.00945695	0.	0.	0.	.00003186	.00002812
5 DRYLAND COTTON	0.	.00001889	0.	0.	0.	0.	0.	0.
6 DRY FOOD GRAIN	.01306185	.00014349	.00001483	0.	0.	0.	.00002061	.00001789
7 DRY FEED GRAIN	.01693978	.02294567	.07243103	0.	0.	0.	.00007684	.00006646
8 OTHER DRY CROP	.04727607	.00091145	.05329844	0.	0.	0.	.00003748	.00003323
9 RANGE LIVESTOCK	.00155787	.26491056	.00012787	0.	0.	0.	.00018179	.00015847
10 FEEDLOT LVSTK	0.	0.	0.	0.	0.	0.	0.	0.
11 DAIRY	.01594217	.00263553	.01722007	0.	0.	0.	0.	0.
12 POULTRY,EGGS	0.	.00013296	.00001297	.06855599	0.	0.	.03391330	.00001534
13 AG SUP EX FMC	.02736999	.02616099	.07551107	.08499739	0.	0.	.01116013	.00025049
14 COTTON GINNING	0.	.00060230	.00005745	0.	0.	0.	.00008433	.00007412
15 AGRI SERVICES	.03134775	.00704492	.04873583	.10823221	0.	0.	.03218727	.00007157
16 PRIM FORESTRY	0.	0.	0.	0.	0.	0.	0.	.17661342
17 FISHERIES	0.	.00000363	0.	0.	0.	0.	0.	0.
18 CRUDE PETRO	0.	0.	0.	0.	0.	0.	0.	0.
19 NATRL GAS LQDS.	0.	0.	0.	0.	.00001812	.00012282	.00020990	0.
20 OIL,GAS FLOSV	0.	0.	0.	0.	0.	0.	0.	0.
21 LIGNITE,OTH MINE	0.	0.	0.	0.	0.	0.	0.	.00031695
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	0.	0.	0.	0.	0.	0.	0.	0.
24 INDUS CONS	0.	0.	0.	0.	0.	0.	0.	0.
25 FACILITY CONS	0.	0.	0.	0.	0.	0.	0.	0.
26 MAINTEN,REPR	.00297091	.00182471	.00111008	.00097808	.00642537	.14503864	.00299478	.01922639
27 MEAT PRODUCTS	0.	0.	0.	0.	0.	0.	0.	0.
28 POULTRY PROD	0.	0.	0.	0.	0.	0.	0.	0.
29 DAIRIES	0.	0.	0.	0.	0.	0.	0.	0.
30 OTH GRAIN MIL	0.	.00014676	.00202556	0.	0.	0.	0.	0.
31 ANIMAL FEEDS	.04891241	.02038933	.07595214	.31974428	0.	0.	.00015367	.00013291
32 BAKERY PROD	0.	0.	0.	0.	0.	0.	0.	0.
33 CNND,PSVP,PCK	0.	0.	0.	0.	0.	0.	0.	0.
34 OTH FOOD PROD	.00828151	.00682333	.01281312	0.	0.	0.	.00008621	.00004601
35 BEVERAGES	0.	.00000218	0.	0.	.00076110	0.	.00093704	0.
36 TEXTILE MILL	0.	.00000327	0.	0.	.00007507	.00008188	.00008996	0.
37 MBWMC FURN	0.	0.	0.	0.	0.	0.	0.	0.
38 RELATED APPRL	0.	0.	0.	0.	0.	0.	0.	0.
39 LOGGING	0.	0.	0.	0.	0.	0.	0.	.12632881
40 LUMBER MILLS	.00022156	.00001308	0.	.00093161	.00003624	0.	0.	.00001789
41 MILLWORK,WOOD	.00253759	.00021288	.00006857	.00024563	.00004919	0.	.00001124	0.
42 WOOD FURN,FXI	0.	0.	0.	0.	0.	0.	0.	0.
43 MET FURN,FXI	0.	0.	0.	0.	0.	0.	0.	0.
44 PAPER,PAP MIL	0.	0.	0.	0.	0.	0.	0.	0.
45 PAP EX BOX,CT	0.	0.	0.	0.	.00020969	0.	.00001687	0.
46 BOXES,PAP CNT	0.	.00003233	0.	.01012153	0.	.00003070	.00002624	.00006646
47 NEWSPAPERS	0.	.00000472	0.	0.	.00350781	0.	.00123689	0.
48 PUBLISHING	0.	0.	0.	0.	0.	0.	0.	0.
49 PRINTING	0.	0.	0.	0.	.00277518	0.	0.	0.
50 MANFLD BUS FM	0.	0.	0.	0.	0.	.00003070	.00001499	0.

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 9 *	* SECTOR 10 *	* SECTOR 11 *	* SECTOR 12 *	* SECTOR 13 *	* SECTOR 14 *	* SECTOR 15 *	* SECTOR 16 *
51 OTH PRNT,PUBS	.00000808	.00000945	0.	0.	0.	0.	0.	0.
52 CHLOR,ALKALIE	0.	0.	0.	0.	0.	0.	0.	0.
53 CYCCRD INT,IG	0.	0.	0.	0.	0.	0.	0.	0.
54 ORG CHEM	0.	.00000182	0.	0.	0.	.00165293	0.	0.
55 INORG CHEM	0.	0.	0.	0.	0.	.00004606	0.	0.
56 FIBERS,PLASTI	0.	0.	0.	0.	0.	0.	0.	0.
57 SYN RUBBER	0.	0.	0.	0.	0.	0.	0.	0.
58 DRUGS	0.	0.	0.	0.	0.	0.	0.	0.
59 AGRI CHEMICAL	.01094142	.00312777	.02075415	.00061517	.00006731	.00020982	.21467552	.00037574
60 SPS,CLNS,TOIL	0.	.00000545	.00183654	.00035405	.00013721	.00004606	.00010682	0.
61 PAINT+VARNISH	0.	0.	0.	0.	.00001812	0.	0.	0.
62 OTH CHEMICALS	0.	0.	0.	0.	0.	.00004606	0.	.00048564
63 PETRO REFING	.01653416	.00295739	.02285013	.00504749	.03617315	.01253774	.03699428	.00013547
64 OTH PETRO PRD	0.	.00000799	0.	0.	0.	0.	0.	0.
65 TIRES	.00046448	.00002797	.00017050	.00020358	.00013462	.00009211	.00032984	0.
66 FAB RUBBER PR	0.	0.	0.	0.	0.	0.	0.	0.
67 PLASTIC PRODS	0.	.00002761	0.	0.	.00283472	0.	.00001312	.00005879
68 LEATHER,L PRD	.00003231	.00000872	0.	0.	.00004919	0.	.00016492	0.
69 GLASS	0.	0.	0.	0.	0.	0.	0.	0.
70 CLAY	0.	0.	0.	0.	0.	0.	.00030173	0.
71 CUT ST,CL,SH	0.	.00002034	0.	0.	0.	0.	0.	.00004345
72 CEMENT,CONCRT	0.	0.	0.	0.	0.	0.	0.	0.
73 BLAST FURNACE	0.	0.	0.	0.	0.	0.	0.	0.
74 PRI STEEL,IRO	.00001731	.00000472	.00002224	.00003319	0.	0.	0.	0.
75 FOUNDRIES	0.	0.	0.	0.	0.	0.	0.	0.
76 NONFER SMELTG	0.	0.	0.	0.	0.	0.	0.	0.
77 AL SMLT ROL DR	0.	0.	0.	0.	0.	0.	0.	0.
78 CAST,FORGINGS	0.	0.	0.	0.	0.	0.	0.	0.
79 FABRI STEEL	0.	0.	0.	0.	.00003624	.00003070	0.	0.
80 PLATE WORK	0.	0.	0.	0.	0.	0.	0.	0.
81 SH MET,ARCH	.00093299	.00000836	0.	0.	0.	0.	0.	.00001789
82 METAL DOORS	0.	0.	0.	0.	0.	0.	0.	0.
83 FAB MET PROD	.00008539	.00000727	.00010934	.00015932	0.	.00013817	.00001874	.00001534
84 PLUMBING	0.	0.	0.	0.	.00013721	.00016376	.00004310	0.
85 BOLTS,NUTS,SC	.00003116	.00002143	.00004077	.00005753	.00002589	.00017399	.00011807	.00002300
86 ELCTPLT,CT,EN	0.	0.	0.	0.	0.	0.	0.	0.
87 VALVE,PIPE FT	.00043332	.00002107	.00014084	.00081875	.00009837	.00019446	.00001312	.00004601
88 OTH FAB MET P	.00065488	.00003378	.00009451	.00026775	.00005436	.00003070	.00001124	.00005879
89 FH,CONS,IND M	.00078066	.00030587	.00030578	.00025669	0.	0.	.01751325	.00002556
90 MTL HDL MC,EQ	0.	0.	0.	0.	0.	0.	0.	0.
91 MIN MACH,EQU	0.	0.	0.	0.	0.	0.	0.	0.
92 ENGINES	0.	0.	0.	0.	.00011132	.00014841	0.	0.
93 METAL WK MACH	0.	0.	0.	0.	.00002589	0.	0.	0.
94 IND PROC MACH	0.	0.	0.	0.	0.	0.	0.	0.
95 GEN IND MACH	0.	0.	0.	0.	0.	0.	0.	0.
96 REFRIG MACH	0.	0.	0.	0.	0.	0.	0.	0.
97 COMPU,ACCT MACH	0.	.00028371	0.	0.	0.	0.	0.	0.
98 ELEC INST,AP	0.	0.	0.	0.	.00008802	.00010747	.00004498	0.
99 ELEC HSLD EQ	0.	0.	0.	0.	.00026665	0.	0.	0.
100 ELEC COMM EQ	0.	0.	0.	0.	.00001812	0.	.00002624	0.

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 9	* SECTOR 10	* SECTOR 11	* SECTOR 12	* SECTOR 13	* SECTOR 14	* SECTOR 15	* SECTOR 16 *
101 OTH ELEC APP	.00011944	.00005558	.00007228	.00005311	.00005436	.00007676	.00002249	.00010991
102 AIRCRAFT	0.	0.	0.	0.	0.	0.	0.	0.
103 AIRCRAFT ENG	0.	.00000182	0.	0.	0.	0.	.00093329	0.
104 OTH AIRCRAFT	0.	0.	0.	0.	0.	0.	0.	0.
105 MOTOR VHCL,P	.00131842	.00025066	.00048925	.00043372	.00367608	.00109002	.00025113	0.
106 SHIP,BT BLDG	0.	.00003269	0.	0.	0.	0.	0.	0.
107 OTH TRANS EQ	0.	0.	0.	0.	0.	0.	0.	0.
108 SCIENTIF INS	0.	0.	0.	0.	0.	0.	0.	0.
109 MECH MSRG DV	0.	0.	0.	0.	0.	0.	0.	0.
110 MEDICAL INST	0.	0.	0.	0.	0.	0.	0.	0.
111 PHO,TH,OPT I	0.	0.	0.	0.	0.	0.	0.	0.
112 GAMES,TOYS	0.	0.	0.	0.	0.	0.	0.	0.
113 OTH HFG IND	.00006289	.00001744	.00008339	.00011949	.00065237	.00049127	.00004498	.00002812
114 RAIL TRANS	.00352251	.00150612	.00323571	.00764094	.00319974	0.	.00049101	.04633812
115 INTERCTY HGY	0.	0.	0.	0.	0.	0.	0.	0.
116 MOTOR FRT STR	.01013594	.00447223	.02046875	.00573126	.00282955	.01589990	.00571031	.01677261
117 WATER TRANS	.00051698	.00023031	.00027798	.00040495	0.	0.	.00141680	0.
118 AIR TRANS	.00001154	.00001562	0.	0.	0.	0.	.00016117	.00046775
119 PIPELINE TRN	0.	0.	0.	0.	0.	0.	0.	0.
120 LOC,SUB TRAN	0.	0.	0.	0.	0.	0.	0.	0.
121 OTH TRAN SER	0.	0.	0.	0.	0.	0.	0.	0.
122 TELEP,TELEGR	.00065488	.00038361	.00117308	.00108429	.00587655	.00136636	.00178225	.00146971
123 RADIO , TV	0.	.00000545	0.	0.	.00110541	0.	.00033546	0.
124 OTH COMMUNIC	0.	0.	0.	0.	0.	0.	0.	0.
125 GAS SERVICES	0.	.00170992	.00193661	.00274392	.00634771	.00826979	.00107572	.00018403
126 ELEC SERVICES	.00160691	.00269656	.01968114	.00780911	.01351866	.07660816	.00338271	.00101985
127 WATER,SANI SERV	0.	0.	.00001483	0.	.00350004	.00035822	.00070090	.00008435
128 WHL AUT PT,S	.00042986	.00006503	.00015752	.00015932	.00159728	.00056292	.00018741	.00654342
129 WHL GRO,RELP	0.	0.	.00661783	0.	.00007507	0.	.00005247	0.
130 WHL FM PROD	.01617816	.03897975	.01870079	.00745063	0.	0.	.00668858	.00048309
131 WHL LIVESTOC	.00021695	.01441388	.00009822	.00034963	0.	0.	.00018366	.00001789
132 WHL MAC,Eq,S	.00095838	.00015330	.00065233	.00066828	.00057989	0.	.00884002	.02019768
133 WHL PET,PETP	.00148228	.00026773	.00200518	.00084088	.00586620	.00819303	.07229627	.00114254
134 GEN WHL	.00900447	.00313213	.00930128	.00601892	.00293051	.00465688	.00779803	.06759655
135 LUMBER YARDS	.00036119	.00007738	.00023351	.00110863	0.	0.	.00009933	.00160774
136 FARM EQ DEAL	.00053429	.00017619	.00032617	.00055764	0.	0.	.01073659	.00066201
137 HDW,HT,E,P,W	.00013502	.00001489	.00002780	.00014826	0.	0.	.00010495	.00122433
138 DEPT,VAR STO	0.	.00000836	0.	0.	0.	0.	.00005247	.00320014
139 FOOD STORES	0.	.00007520	.00126575	0.	0.	0.	.00020053	0.
140 AUTO DEAL,RP	.00032773	.00085441	.00013899	.00011507	.00229884	.00316770	.00099513	.00290108
141 GAS SER STAT	.00063353	.00020924	.00080615	.00019694	.00108729	0.	.00063531	.00004090
142 APPRL ACC ST	0.	0.	0.	0.	0.	0.	.00021927	0.
143 FURN,HH F,EQ	0.	0.	0.	0.	0.	0.	0.	.00820739
144 EAT,DRINK PL	0.	.00005885	.00068754	0.	.00046080	0.	.00053786	.00005879
145 OTHER RETAIL	0.	.00003814	0.	0.	.00016568	0.	.00017054	.00033995
146 BANK,CRD AGE	.03532031	.02296129	.02309105	.03103508	.03249448	.04523822	.00835276	.00025305
147 INSURANCE CA	.01451413	.00166051	.00709781	.00701249	.02459867	.03215291	.00620694	.00177644
148 F.I.R.E. NEC	0.	.00003887	.00002780	0.	.05795004	.00241032	.00099326	.00003323
149 LEGAL SERVIC	0.	.00005631	0.	0.	.00204773	0.	.00062594	.00003578
150 LODGING SERV	0.	.00001889	0.	0.	.00076369	0.	.00152175	.00016870

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 9 *	* SECTOR 10 *	* SECTOR 11 *	* SECTOR 12 *	* SECTOR 13 *	* SECTOR 14 *	* SECTOR 15 *	* SECTOR 16 *
151 PERSONAL SER	0.	0.	0.	0.	0.	0.	0.	0.
152 ADVERTISING	0.	0.	0.	0.	.00130734	.00255361	0.	0.
153 DUPL, ADDRESS	0.	0.	0.	0.	0.	0.	0.	0.
154 PRI EMPL AGE	0.	0.	0.	0.	0.	0.	0.	0.
155 PHOTO SERVIC	0.	0.	0.	0.	0.	0.	0.	0.
156 RESRCH, DEVEL	0.	.00004795	0.	0.	0.	0.	0.	0.
157 OTHER BUS SE	.00028330	.00015294	.00033543	.00026997	.00243346	.00550125	.01745141	.00083838
158 MTN PCT, AM, R	0.	0.	0.	0.	0.	0.	0.	0.
159 AUTO RENT SE	0.	0.	0.	0.	.00077405	0.	0.	.00002300
160 AUTO PARKING	0.	0.	0.	0.	0.	0.	0.	0.
161 ELEC REP SHP	0.	.00004832	.00417529	.00040052	.00103034	0.	.00041605	.00251257
162 MISC REP SER	.00034388	.00000509	.00190881	.00065057	.00358806	0.	.00411172	.00121411
163 PHYS, DENT SE	0.	0.	0.	0.	0.	0.	0.	0.
164 HOSP, LAB SER	0.	0.	0.	0.	0.	0.	0.	0.
165 OTH MED SERV	0.	0.	0.	0.	0.	0.	0.	0.
166 ED (PUB, PRI)	.01160611	.00083734	.01095250	.01221709	.00414206	.00725142	.00136620	.00008435
167 COLL, UNIV	.00272973	.00021615	.00347292	.00387247	.00276742	.00191392	.00019678	0.
168 OTH ED SERV	0.	0.	0.	0.	0.	0.	0.	.00004856
169 ENG, ARCH SER	0.	0.	0.	0.	0.	0.	0.	.00036807
170 COMPU, ACCT SERV	0.	.00014712	.00005560	0.	.00423785	.00687273	.00198090	.00081793
171 OTH PROF SER	0.	0.	0.	0.	0.	0.	0.	.01656302
172 OTHER SERVIC	0.	.00003415	0.	0.	0.	0.	0.	.00027605
173 ORD, ORD ACCS	0.	0.	0.	0.	0.	0.	0.	0.
174 OUTDOOR REC	0.	0.	0.	0.	.00026406	.00014329	.00004498	0.
175 SCRAP	0.	0.	0.	0.	0.	0.	0.	0.
176 HOUSEHOLDS	.39913417	.04453017	.24581035	.07252361	.42728221	.33149788	.17128689	.11328032
177 PROP PAY	0.	.03291820	.00110266	0.	.09344752	.00607953	.03782824	.16890446
178 FEDERAL GOVT	.01587697	.00978508	.02153806	.02252892	.03418496	.01035259	.01906873	.00375224
179 STATE GOVT	.00108474	.00014240	.00146033	.00154014	.00286579	.00203163	.00041417	.03459064
180 LOCAL GOVT	.01953161	.00203432	.02613959	.02771361	.00251889	.00394555	.00101388	.01738095
181 DEPRECIATION	.12396524	.01163449	.06618199	.06048134	.02365894	.08307661	.00974333	.01654002
182 IMPORTS	.04596054	.33006982	.05908603	.11449897	.16768622	.17731436	.23737434	.11504909
TOTAL DIRECT REQ	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 17 *	SECTOR 18 *	SECTOR 19 *	SECTOR 20 *	SECTOR 21 *	SECTOR 22 *	SECTOR 23 *	SECTOR 24 *
1 IRR COTTON	0.	0.	0.	0.	0.	0.	0.	0.
2 IRR FOOD GRAIN	0.	0.	0.	0.	0.	0.	0.	0.
3 IRR FEED GRAIN	.00011959	0.	0.	0.	0.	0.	0.	0.
4 OTHER IRR CROP	.00007553	0.	0.	0.	0.	0.	0.	0.
5 DRYLAND COTTON	0.	0.	0.	0.	0.	0.	0.	0.
6 DRY FOOD GRAIN	.00005036	0.	0.	0.	0.	0.	0.	0.
7 DRY FEED GRAIN	.00018883	0.	0.	0.	0.	0.	0.	0.
8 OTHER DRY CROP	.00008812	0.	0.	0.	0.	0.	.00000492	0.
9 RANGE LIVESTOCK	.00045320	0.	0.	0.	0.	0.	0.	0.
10 FEEDLOT LIVSTK	0.	0.	0.	0.	0.	0.	0.	0.
11 DAIRY	0.	0.	0.	0.	0.	0.	0.	0.
12 POULTRY,EGGS	.00006924	0.	0.	0.	0.	0.	0.	0.
13 AG SUP EX FMC	.00070498	0.	0.	0.	0.	0.	0.	0.
14 COTTON GINNING	.00020772	0.	0.	0.	0.	0.	0.	0.
15 AGRIC SERVICES	.00020142	0.	0.	0.	0.	.00182393	.01305804	.00294320
16 PRIM FORESTRY	0.	0.	0.	0.	0.	0.	0.	0.
17 FISHERIES	.00186316	0.	0.	0.	0.	0.	0.	0.
18 CRUDE PETRO	0.	.00113373	.20143974	.00008604	0.	0.	0.	0.
19 NATRL GAS LQDS.	.00018254	.00001184	.00000225	.00003243	0.	0.	0.	.00000431
20 OIL,GAS FLDV	0.	.17903299	.03041024	.02917336	0.	0.	0.	0.
21 LIGNITE,OTH MINE	0.	.00000146	.00478963	.00000929	.00185705	.00230759	.00166316	.00207988
22 RES CONSTRUCT	0.	0.	0.	0.	0.	.00000309	0.	0.
23 COMM,ED,INST	0.	0.	0.	0.	0.	.00034806	.00111386	.00149297
24 INDUS CONS	0.	0.	0.	0.	0.	.00001204	0.	0.
25 FACILITY CONS	0.	0.	0.	0.	0.	.00157999	.00012985	.00726723
26 MAINTEN,REPR	.04822182	.00112920	.01718369	.00214500	.00955919	.00053304	.00170157	.00407116
27 MEAT PRODUCTS	.00037767	0.	0.	.00005622	0.	.00000936	0.	0.
28 POULTRY PROD	0.	0.	0.	.00000391	0.	0.	0.	0.
29 DAIRIES	.00004406	0.	0.	.00000375	0.	.00000134	0.	0.
30 OTH GRAIN MIL	0.	0.	0.	.00001076	.00008879	0.	0.	0.
31 ANIMAL FEEDS	.00037767	0.	0.	0.	0.	0.	0.	0.
32 BAKERY PROD	.00005036	0.	0.	.00000407	0.	.00000082	0.	0.
33 CNND,PSVP,PCK	.00045950	0.	0.	.00003862	0.	0.	0.	0.
34 OTH FOOD PROD	.01422547	0.	0.	.00002738	.00009005	.00000206	0.	0.
35 BEVERAGES	.00005036	0.	0.	.00005638	0.	0.	0.	0.
36 TEXTILE MILL	.00167432	.00000335	0.	0.	.00023426	.00100508	.00032603	.00122088
37 MBWMC FURN	0.	0.	.00000637	.00019457	0.	.00000391	0.	.00024308
38 RELATED APPRL	.00711273	0.	0.	0.	0.	0.	0.	0.
39 LOGGING	0.	0.	0.	0.	0.	0.	0.	0.
40 LUMBER MILLS	0.	.00001344	.00000225	.00001027	.00010139	.02140618	.00502116	.00030110
41 MILLWORK,WOOD	.01047397	0.	0.	.00000212	0.	.00298127	.00268985	.00083940
42 WOOD FURN,FIX	0.	0.	0.	0.	0.	.00174883	.00031290	.00004391
43 MET FURN,FIXT	0.	0.	0.	0.	0.	.00026431	.00134123	.00028424
44 PAPER,PAP MIL	0.	.00000406	0.	0.	0.	.00040752	.00008372	.00007920
45 PAP EX BOX,CT	0.	.00037981	.00001461	.00003487	.00017003	.00060815	.00034984	.00001137
46 BOXES,PAP CNT	0.	0.	0.	0.	0.	.00001626	.00000394	0.
47 NEWSPAPERS	0.	0.	0.	0.	0.	.00067636	.00002364	0.
48 PUBLISHING	0.	0.	0.	0.	0.	.00000123	.00001740	.00001059
49 PRINTING	0.	.00004052	.00020606	.00031141	0.	.00002881	.00001280	.00003960
50 MANFLD BUS FM	0.	.00032495	.00035068	.00042238	.00014610	.00009949	.00001871	.00001764

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 17 *	SECTOR 18 *	SECTOR 19 *	SECTOR 20 *	SECTOR 21 *	SECTOR 22 *	SECTOR 23 *	SECTOR 24 *
51 OTH PRNT,PUBS	0.	0.	0.	0.	0.	.00002418	.00004646	.00006038
52 CHLOR,ALKALIE	0.	.00000137	.00105466	.00023498	.00428904	.00012223	.00006205	.00650389
53 CYCCRD INT,IG	0.	.00000094	.00004046	.00000505	0.	.00077678	.00002840	0.
54 ORG CHEM	0.	.00097453	.00007943	.00049767	0.	.00004918	.00027547	.00061867
55 INORG CHEM	0.	.00047514	.00006144	.00003341	0.	.00001101	.00002101	.00000314
56 FIBERS,PLASTI	0.	0.	0.	.00000147	.00033312	.00069591	.00081754	0.
57 SYN RUBBER	0.	0.	0.	0.	0.	.00000206	.00000164	0.
58 DRUGS	0.	0.	0.	0.	0.	.00000298	0.	0.
59 AGRIC CHEMICAL	.00107006	0.	0.	0.	0.	.00008807	.00002692	0.
60 SPS,CLNS,TOIL	.00008183	.00001009	.00024765	.00005443	.00019836	.00005391	.00028286	.00007645
61 PAINT+VARNISH	.00015736	.00000321	.00019407	0.	0.	.00252992	.00277850	.00183720
62 OTH CHEMICALS	.00010071	.00020071	.00011577	.00528779	.02291182	.00027038	.00029090	.00008272
63 PETRO REFINING	.12040662	.00378962	.02206174	.02196692	.02632555	.00103954	.00172997	.00024269
64 OTH PETRO PRD	0.	.00000443	.00000525	.00000179	.00283438	.00252725	.00812586	.00456123
65 TIRES	.00006294	.00001080	.00001836	.00014503	.00380856	.00002253	.00002840	.00002705
66 FAB RUBBER PR	0.	0.	.00000562	0.	.00208123	.00007902	.00001921	.00005450
67 PLASTIC PRODS	0.	0.	0.	0.	0.	.00053551	.00089749	.00637843
68 LEATHER,L PRD	0.	.00000358	0.	0.	0.	.00033211	.00582754	.00296202
69 GLASS	0.	0.	0.	0.	0.	.00083758	.00009505	.00143769
70 CLAY	0.	.00000316	.00000450	.00000847	.00183501	.00339086	.00921263	.00633962
71 CUT ST,CL,SH	0.	0.	.00000712	.00001418	.00319584	.00599599	.01079683	.00823797
72 CEMENT,CONCRT	0.	.00046679	.00001798	.00003618	.00102960	.04348760	.07325862	.03651808
73 BLAST FURNACE	.00015736	.00005745	.00006856	.00003194	.00592191	.00313262	.01881959	.00680813
74 PRI STEEL,IRO	0.	.00000123	0.	0.	0.	.00057728	.00144022	.00064455
75 FOUNDRIES	0.	.00000486	.00000862	.00003080	.00134572	.00014959	.00044078	.00030228
76 NONFER SMELTG	0.	0.	0.	0.	0.	.00022995	.00252355	.00360304
77 AL SMLT ROL DR	0.	.00000028	.00000300	.00000554	.00122103	.00218855	.00447613	.00202460
78 CAST,FORGINGS	0.	0.	0.	.00000212	.00046096	.00006729	.00002610	.00000745
79 FABRI STEEL	0.	0.	0.	.00000359	.00080479	.02265304	.02180772	.01861268
80 PLATE WORK	0.	0.	0.	0.	0.	.00063315	.01057980	.00002000
81 SH MET,ARCH	0.	0.	0.	.00000130	.00026385	.00640979	.02332691	.02625590
82 METAL DOORS	0.	0.	0.	0.	0.	.00249525	.03360596	.00258329
83 FAB MET PROD	0.	.00011075	.00000487	.00000750	0.	.00124788	.00700395	.00853516
84 PLUMBING	0.	0.	0.	.00002363	0.	.00158503	.00556734	.00294712
85 BOLTS,NUTS,SC	0.	.00001179	0.	0.	0.	.00130354	.00435449	.00276912
86 ELCTPLT,CT,EN	0.	0.	.00000862	.00001711	.00384823	.00013324	.00002709	.00736172
87 VALVE,PIPE FT	.00011330	.00003467	.00014237	.00088420	0.	.00382863	.00944312	.04740246
88 OTH FAB MET P	0.	0.	.00000824	.00022472	0.	.00011441	.00155711	.00000667
89 FM,CONS,IND M	.00006924	0.	.00001236	.00000179	.00718513	.00222024	.00351133	.00185680
90 MTL HDL MC,EQ	0.	0.	.00001536	.00009566	.00700503	.00000988	.00000197	.00069277
91 MIN MACH,EQUP	0.	.00402439	.00076056	.01796356	.01876384	.00018066	.00103884	.00237824
92 ENGINES	0.	.00001967	.00005433	.00013949	.00962909	.00003220	.00055504	.00003411
93 METAL WK MACH	0.	0.	0.	0.	0.	.00027028	.00001330	.00003333
94 IND PROC MACH	0.	0.	.00369151	0.	0.	.00000761	.00000148	.00053634
95 GEN IND MACH	.00006924	.00001854	.00003559	.00000147	.00530415	.00041143	.00061825	.00363636
96 REFRIG MACH	0.	0.	.00002548	0.	0.	.00216921	.00548624	.01041038
97 COMPU,ACCT MACH	0.	.00000137	.00002360	.00020304	.00790239	.00120323	.00079916	.00219789
98 ELEC INST,AP	0.	.00002292	.00002023	.00025079	.00471095	.00147793	.00226433	.00396883
99 ELEC HSLD EQ	0.	0.	0.	0.	0.	.00015412	.00047706	.00178505
100 ELEC COMM EQ	0.	.00000170	.00902027	.00930859	0.	.00012953	.00000854	0.

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 17 *	* SECTOR 18 *	* SECTOR 19 *	* SECTOR 20 *	* SECTOR 21 *	* SECTOR 22 *	* SECTOR 23 *	* SECTOR 24 *
101 OTH ELEC APP	.00006924	.00000972	.00001161	.00017273	.00211902	0.	.00000722	0.
102 AIRCRAFT	0.	0.	0.	0.	0.	0.	0.	0.
103 AIRCRAFT ENG	0.	0.	0.	0.	0.	0.	0.	0.
104 OTH AIRCRAFT	0.	0.	0.	.00000342	0.	0.	0.	0.
105 MOTOR VHCL,P	.00005036	.00002283	.00002023	.00018593	.00403085	.00058778	.00148898	.00075236
106 SHIP,BT BLDG	.04029080	0.	0.	0.	0.	0.	0.	0.
107 OTH TRANS EQ	0.	0.	0.	0.	.00048363	.00000535	0.	0.
108 SCIENTIF INS	0.	0.	.00000262	.00007040	0.	0.	0.	.00000235
109 MECH MSRG DV	0.	0.	0.	0.	0.	.00041771	.00048265	.00237236
110 MEDICAL INST	0.	0.	0.	0.	0.	0.	0.	0.
111 PHO,IM,OPT I	0.	0.	0.	0.	0.	0.	.00000164	0.
112 GAMES,TOYS	0.	0.	0.	0.	0.	.00002840	.00062925	0.
113 OTH MFG IND	.00006294	.00002269	.00000450	.00000163	0.	.00063912	.00035575	.00040892
114 RAIL TRANS	.00095676	.00112141	.00012064	.00086139	.00616309	.00066021	.00345502	.00377045
115 INTERCTY HGY	0.	0.	0.	0.	0.	0.	0.	0.
116 MOTOR FRT STR	.00253667	.00128566	.00190514	.00492391	.01352833	.00269402	.00686408	.01612113
117 WATER TRANS	.00504815	.00318976	.00037803	.00296337	.01987026	.00029044	.00030945	.00031600
118 AIR TRANS	.00518663	.00139278	.00023304	.00621224	.00186839	.00033972	.00027120	.00351521
119 PIPELINE TRN	0.	0.	0.	.00000668	.00018073	0.	0.	0.
120 LOC,SUB TRAN	0.	0.	0.	0.	0.	0.	0.	0.
121 OTH TRAN SER	0.	.00017071	.00001648	.00011700	.00107746	.00001656	.00006386	.00015212
122 TELEP,TELEGR	.00137849	.00067783	.00080064	.00353584	.00160453	.00103522	.00168828	.00083744
123 RADIO, TV	0.	0.	0.	0.	0.	.00003477	.00000558	0.
124 OTH COMMUNIC	0.	0.	.00003934	.00106655	0.	.00154234	.00138211	.00056692
125 GAS SERVICES	.00093158	.00063962	.00012139	.00209106	.00721599	.00011760	.00031996	.00016349
126 ELEC SERVICES	.00124001	.00433424	.00858791	.00638856	.01432808	.00050434	.00098778	.00083979
127 WATER,SANI SERV	.00030843	.00010410	.00011877	.00084738	.00378526	.00076330	.00046245	.00035560
128 WHL AUT PT,S	.00477120	.00009462	.00028624	.00087100	0.	.00000833	.00062301	.00010860
129 WHL GRO,RELP	.00176245	0.	.00000375	.00007643	0.	.00000412	.00071888	0.
130 WHL FM PROD	.01774407	0.	.00000525	.00001450	0.	0.	0.	0.
131 WHL LIVESTOC	.00067980	0.	0.	0.	0.	0.	0.	0.
132 WHL HAC,EQ,S	.00625669	.00142623	.00401034	.02345895	0.	.00037007	.00440259	0.
133 WHL PET,PETP	.02470573	.00136184	.00090592	.00642604	0.	.00049981	.00319006	.00059358
134 GEN WHL	.00363819	.00022750	.00041362	.00177411	.00684319	.02540190	.02433817	.00058378
135 LUMBER YARDS	.00011330	.00000830	.00000487	.00002672	.00058186	.00176817	.00368945	.00000980
136 FARM EQ DEAL	.00118965	0.	.00017309	.00035134	0.	0.	.00023361	0.
137 HDW,HT,E,P,W	.00018254	0.	.00002061	.00005866	0.	.00000710	.00133647	0.
138 DEPT,VAR STO	.00074904	0.	.00010041	.00023156	0.	.00001163	.00255589	0.
139 FOOD STORES	.00163026	0.	.00004121	.00069729	0.	.00000144	.00012345	0.
140 AUTO DEAL,RP	.00684837	.00014420	.00135177	.00733616	.00604030	.00063500	.00104360	.00080216
141 GAS SER STAT	.00095676	.00028712	.00013712	.00036779	0.	.00005782	.00091867	.00017368
142 APPRL ACC ST	.00036508	0.	0.	0.	0.	0.	0.	0.
143 FURN,HM F,EQ	.00040914	0.	.00000412	.00000929	0.	0.	.00036494	0.
144 EAT,URINK PL	.00074275	.00001000	.00002847	.00280840	0.	.00029271	.00041895	.00162117
145 OTHER RETAIL	.00559577	.00017679	.00004908	.00073722	0.	.00026863	.00127245	.00025092
146 BANK,CRD AGE	.03228426	.00166689	.00257278	.03087284	.02860766	.01814825	.00543798	.00616946
147 INSURANCE CA	.04489834	.00317104	.00138136	.00910636	.01029785	.00475294	.02358022	.02202517
148 F.I.R.E. NEC	.00283250	.01122867	.00317410	.02635893	.01508060	.01588439	.00507451	.01064562
149 LEGAL SERVIC	.00144143	.00148491	.00022292	.00230584	0.	.00131702	.00167350	.00055751
150 LODGING SERV	.00105117	.00053906	.00007418	.00305398	0.	.00030629	.00051958	.00040225

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 17 *	SECTOR 18 *	SECTOR 19 *	SECTOR 20 *	SECTOR 21 *	SECTOR 22 *	SECTOR 23 *	SECTOR 24 *
151 PERSONAL SER	0.	0.	.00001236	.00022358	0.	.00000288	0.	0.
152 ADVERTISING	0.	.00003349	.00007119	.00097139	0.	.00015371	.00019552	.00007763
153 DUPL, ADDRESS	0.	.00014415	.00001723	.00018593	0.	.00001265	.00009801	.00011095
154 PRI EMPL AGE	0.	.00000420	.00000674	.00000424	0.	0.	0.	0.
155 PHOTO SERVIC	0.	0.	0.	0.	0.	0.	0.	0.
156 RESRCH, DEVEL	0.	0.	0.	0.	0.	.00000597	.00023525	.00037599
157 OTHER BUS SE	.00039026	.00145207	.00188228	.00562478	0.	.17756831	.00137915	.03225521
158 MTN PCT, AM, R	0.	0.	0.	0.	0.	0.	0.	0.
159 AUTO RENT SE	0.	.00033891	.00006182	.00171317	0.	.00063634	.00050120	.00007214
160 AUTO PARKING	0.	0.	0.	0.	0.	0.	0.	0.
161 ELEC REP SHP	.00594197	.00002028	.00003634	.00070886	0.	.00000216	.00022655	0.
162 MISC REP SER	.00287657	.00002189	.00710314	.03843584	0.	.00005340	.00016236	.00001960
163 PHYS, DENT SE	0.	.00003590	.00002960	.00076231	0.	.00000895	.00000197	0.
164 HOSP, LAB SER	0.	0.	0.	.00000114	0.	0.	0.	0.
165 OTH MED SERV	0.	0.	0.	0.	0.	0.	0.	0.
166 ED (PUB, PRI)	.00361302	.03740687	.00610505	.02438145	.01327266	.00106063	.00336211	.00297378
167 COLL, UNIV	.00045950	.01534730	.00316736	.01169200	.01462468	.00032439	.00266473	.00224219
168 OTH ED SERV	0.	0.	0.	0.	0.	0.	0.	0.
169 ENG, ARCH SER	0.	.00298033	.00036679	.00260666	.02535452	.00345207	.00062596	.03542776
170 COMPU, ACCT SERV	.00560836	.00067778	.00040088	.00807957	.00503778	.00174831	.00154578	.00125381
171 OTH PROF SER	0.	.00002467	0.	.00001369	0.	.00000062	0.	.00000235
172 OTHER SERVIC	0.	.00064170	.00027575	.00433677	.00132305	.00027871	.00203549	.00129811
173 ORD, ORD ACCS	0.	0.	0.	0.	0.	0.	.00000312	0.
174 OUTDOOR REC	0.	.00157948	.00045071	.00124678	.00157934	.00003436	.00028713	.00024896
175 SCRAP	0.	0.	0.	0.	0.	.00001265	.00025528	.00008351
176 HOUSEHOLDS	.30264997	.26442173	.13635527	.38105456	.25412390	.21443099	.29919756	.30921064
177 PROP PAY	.11101530	.15945776	.40773579	.05157049	.13474173	.00992729	.00523162	.00859475
178 FEDERAL GOVT	.01365897	.06994766	.01353639	.01996141	.06730348	.00753277	.01247460	.02123439
179 STATE GOVT	.00289545	.04213012	.00157094	.00403172	.04508561	.00040948	.00293922	.00206969
180 LOCAL GOVT	.00178763	.00373778	.00201678	.00152935	0.	.00149522	.00088518	.00062102
181 DEPRECIATION	.06741361	.03239206	.02140421	.10278215	.01142443	.00121681	.00280493	.00344072
182 IMPORTS	.05321961	.14007598	.07784868	.10158360	.12696529	.34645998	.26032469	.24996324
TOTAL DIRECT REQ	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 25 *	* SECTOR 26 *	* SECTOR 27 *	* SECTOR 28 *	* SECTOR 29 *	* SECTOR 30 *	* SECTOR 31 *	* SECTOR 32 *
1 IRR COTTON	0.	0.	.00009197	.00002381	.000008141	.000008338	.00511531	.00003646
2 IRR FOOD GRAIN	0.	0.	.00013130	.00003374	.00011592	.18290232	.00063297	.00005241
3 IRR FEED GRAIN	0.	0.	.00002090	0.	.00001770	.00082544	.01257846	.00000797
4 OTHER IRR CROP	0.	0.	.00012313	.00002977	.00010884	.00029766	.01161612	.00004899
5 DRYLAND COTTON	0.	0.	.00005624	.00001588	.00004956	.00005086	.00205714	.00002279
6 DRY FOOD GRAIN	0.	0.	.00004940	.00001191	.00004425	.05906670	.00485392	.00001937
7 DRY FEED GRAIN	0.	0.	.00010641	.00002778	.00009469	.07941512	.03687853	.00004329
8 OTHER DRY CROP	.00000119	0.	.00004902	.00001191	.00004336	.00004419	.00454564	.00001937
9 RANGE LIVESTOCK	0.	0.	.14565299	.00006747	.00024070	.00024597	.01390418	.00010937
10 FEEDLOT LIVSTK	0.	0.	.20269935	.00024806	.00087164	.00089048	.00071267	.00039191
11 DAIRY	0.	0.	.00619371	.00005358	.35991062	.00019177	.00015473	.00008431
12 POULTRY,EGGS	0.	0.	.00022213	.50683659	.00008938	.00009172	.00007267	.00007064
13 AG SUP EX FMC	0.	0.	.00000665	0.	0.	.00005336	.00007150	0.
14 COTTON GINNING	0.	0.	0.	0.	0.	0.	0.	0.
15 AGRV SERVICES	.00143920	.00102342	0.	0.	0.	0.	0.	0.
16 PRIM FORESTRY	0.	0.	.00011325	.00002977	.00010000	.00010256	.00008205	.00004557
17 FISHERIES	0.	0.	.00365379	.00002183	.00005486	.00005670	.00004571	.00002506
18 CRUDE PETRO	0.	0.	.00469754	.00118276	.00415822	.00424978	.00340044	.00187070
19 NATRL GAS LQDS.	0.	0.	.00073213	.00018059	.00064422	.00064618	.00057319	.00047850
20 OIL,GAS FLDV	0.	0.	.00020256	.00005160	.00017964	.00018343	.00014652	.00008089
21 LIGNITE,OTH MINE	.07775533	.00274968	.00028540	.00007144	.00025309	.00025764	.00022623	.00011393
22 RES CONSTRUCT	.00000089	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00097694	.00037664	0.	0.	0.	0.	0.	0.
24 INDUS CONS	.00000347	.00000252	0.	0.	0.	0.	0.	0.
25 FACILITY CONS	.00071430	.00149478	0.	0.	0.	0.	0.	0.
26 MAINTEN,REPR	.00167290	.00163882	.00335262	.00720372	.00324322	.00144327	.00311326	.00468815
27 MEAT PRODUCTS	.00000278	.00000196	.10910559	.00062115	.00005752	.00077792	.02279971	.00385306
28 POULTRY PROD	0.	0.	.00302731	.00723548	0.	0.	.02653421	0.
29 DAIRIES	0.	0.	.00015505	.00001984	.01105615	.00003669	.00001641	.00852070
30 OTH GRAIN MIL	0.	0.	.00034678	.00023417	.00126897	.00038187	.03486125	.08085948
31 ANIMAL FEEDS	0.	0.	.00169512	.00485210	.00002301	.00002335	.05228659	.00001025
32 BAKERY PROD	0.	0.	.00000266	0.	.00004425	0.	0.	.03639781
33 CNND,PSVP,PCK	0.	0.	.00506617	.00076998	.00345737	.00093217	.00002227	.00038280
34 OTH FOOD PROD	.00000059	0.	.00285212	.00046437	.00881908	.00769413	.03209495	.02476687
35 BEVERAGES	0.	0.	.00011572	.00006747	.00060794	.00061033	.00092601	.00052521
36 TEXTILE MILL	.00036384	.00038168	.00006594	.00004167	.00006017	.00005670	.02369055	.00003076
37 MBWMC FURN	.00000624	.00000420	.00000475	0.	0.	0.	0.	0.
38 RELATED APPRL	0.	0.	.00001273	0.	.00001150	.00858711	.00000938	0.
39 LOGGING	0.	0.	.00011610	.00002977	.00010265	.00010506	.00008440	.00004671
40 LUMBER MILLS	.00071786	.00300693	.00002869	0.	.00002566	.00002110	.00002110	.00001139
41 MILLWORK,WOOD	.00216608	.02232137	.00016702	.00386183	.00014601	.00018677	.00012073	.00007405
42 WOOD FURN,FIX	.00073828	.00443362	.00001007	0.	.00001239	.00000917	.00001172	.00001937
43 MET FURN,FIXT	.00017265	.00031078	.00000133	0.	0.	0.	0.	0.
44 PAPER,PAP MIL	.00015323	.00520791	.00040435	.00009327	.00029202	.00028015	.00021685	.00061179
45 PAP EX BOX,CT	.00021180	.00040550	.00097933	.00252428	.00134242	.01067406	.00050168	.00589921
46 BOXES,PAP CNT	.00002161	.00032339	.01182632	.00146456	.01624707	.00439486	.00025905	.13676182
47 NEWSPAPERS	.00021210	.00023512	.00018089	0.	.00115747	.00032934	.00040322	.00020279
48 PUBLISHING	.00000159	.00000869	.00005358	.00002381	.00006283	.00021678	.00010667	.00008545
49 PRINTING	.00002815	.00001037	.00018412	.00002183	.00029999	.00139492	.00018403	.00078269
50 MANFLD BUS FM	.00016225	.00015945	.00004921	.00002580	.00005486	.00012924	.00008205	.00011279

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 25 *	SECTOR 26 *	SECTOR 27 *	SECTOR 28 *	SECTOR 29 *	SECTOR 30 *	SECTOR 31 *	SECTOR 32 *
51 OTH PRNT,PUBS	.00002042	.00005128	.00003952	.00002580	.00002301	.00006587	.00001993	.00005127
52 CHLOR,ALKALIE	.00019793	.00077850	.00019400	.00020242	.00019380	.00017509	.00252952	.00060040
53 CYCCRD INT,IG	.00022588	.00016450	.00042848	.00013296	.00042830	.00038604	.00032469	.00084991
54 ORG CHEM	.00019485	.00006025	.00179887	.00055367	.00184594	.00162004	.00136322	.00360127
55 INORG CHEM	.00000892	.00007174	.00026963	.00008335	.00028140	.00024263	.00192000	.00055825
56 FIBERS,PLASTI	.00090082	.00020065	.00039105	.00012105	.00039113	.00035186	.00029656	.00077585
57 SYN RUBBER	.00000337	.00005212	.00004408	.00001389	.00004336	.00004002	.00003399	.00008772
58 DRUGS	.00000089	0.	.00000418	0.	0.	0.	.00080645	.00002279
59 AGRI CHEMICAL	.00002825	.00002018	.00006137	.00002778	.00002566	.00002585	.00081817	.00001139
60 SPS,CLNS,TOIL	.00003935	.00002774	.00022688	.00002183	.00041768	.00007838	.00005392	.00015836
61 PAINT+VARNISH	.00150610	.00979117	.00004826	.00001191	.00003717	.00003752	.00004103	.00001823
62 OTH CHEMICALS	.00020149	.00129693	.00027590	.00005755	.00073979	.00020261	.00016293	.00025862
63 PETRO REFING	.02595105	.00342056	.00912773	.00140502	.01668776	.00515777	.01060220	.01095876
64 OTH PETRO PRD	.02873380	.00499885	.00001178	0.	.00001062	.00001084	.00000938	.00000684
65 TIRES	.00009227	.00008827	.00004180	0.	.00002832	.00002001	.00002227	.00010140
66 FAB RUBBER PR	.00010139	.00147740	.00007107	.00001786	.00006194	.00006920	.00005040	.00002848
67 PLASTIC PRODS	.00217966	.00061764	.00026621	.00006946	.01100836	.00020011	.00016879	.00178640
68 LEATHER,L PRO	.00065810	.00039429	.00001558	0.	.00002389	.00015508	.00012308	.00002848
69 GLASS	.00036929	.00023255	.00011648	.00003572	.00023096	.00010506	.00008791	.00023127
70 CLAY	.00230295	.00852759	.00000247	0.	0.	0.	0.	0.
71 CUT ST,CL,SH	.00549573	.00899166	.00006517	.00003771	.00005663	.00005086	.00048059	.00011165
72 CEMENT,CONCRT	.03765106	.02827274	.00005529	.00001588	.00005486	.00005003	.00004220	.00010937
73 BLAST FURNACE	.05329244	.00492431	.00013776	.00004167	.00014690	.00014424	.00010432	.00027343
74 PRI STEEL,IRO	.00961510	.00172289	.00004446	.00001389	.00004602	.00004002	.00003399	.00008772
75 FOUNDRIES	.00022954	.00099232	.00012332	.00003771	.00012566	.00011923	.00009377	.00024495
76 NONFER SHELTC	.00037930	.00022391	.00026146	.00008136	.00026194	.00023513	.00019810	.00051837
77 AL SMLT ROL DR	.00410976	.01101272	.00028521	.00008732	.00032211	.00025680	.00021685	.00056508
78 CAST,FORGINGS	.00002547	.00009892	.00003895	.00001191	.00003894	.00003502	.00002930	.00007747
79 FABRI STEEL	.00322965	.00166628	.00009482	.00002778	.00009469	.00008588	.00007267	.00018798
80 PLATE WORK	.00084631	.00110273	.00003971	.00001191	.00003982	.00003585	.00002930	.00007861
81 SH MET,ARCH	.00505062	.02952316	.00014555	.00004564	.00014513	.00013090	.00011136	.00030419
82 METAL DOORS	.00104711	.00085472	.00000209	0.	0.	0.	0.	0.
83 FAB MET PROD	.00152384	.00258154	.00026716	.00075808	.00024778	.00022262	.00018168	.00074737
84 PLUMBING	.00113869	.00424053	.00001273	0.	.00002743	.00001167	.00003048	.00002506
85 BOLTS,NUTS,SC	.000081489	.00112122	.00015391	.00004763	.00016194	.00023763	.00015121	.00030533
86 ELCTPLT,CT,EN	.00021626	.00083819	.00004028	.00001191	.00004071	.00003669	.00003048	.00008089
87 VALVE,PIPE FT	.00774982	.00330090	.00015410	.00004763	.00017344	.00014758	.00011722	.00030647
88 OTH FAB MET P	.00013658	.00014853	.00003610	0.	.00003628	.00003252	.00002696	.00007291
89 FH,CONS,IND M	.00215587	.00625711	.00000323	0.	0.	0.	0.	0.
90 MTL HDL MC,EQ	.00001616	.00001149	.00002014	.00025600	.00001770	.00001834	.00042081	.00000797
91 MIN MACH,EQU	.00074353	.00020990	.00009919	.00002580	.00008761	.00009005	.00007267	.00003987
92 ENGINES	.00007423	.00008912	.00006632	.00001588	.00007610	.00006003	.00004806	.00002620
93 METAL WK MACH	.00010863	.00061960	.00004370	0.	.00003894	.00003919	.00003165	.00001709
94 IND PROC MACH	.00001239	.00000897	.00012351	.00001786	.00157250	.00005086	.00066227	.00017545
95 GEN IND MACH	.00045552	.00022027	.00016379	.00003969	.00014778	.00014675	.00011839	.00006722
96 REFRIG MACH	.00140560	.00207375	.00001349	0.	.00004248	.00001251	.00000938	.00001367
97 COMPU,ACCT MACH	.00385722	.00808229	.00025462	.00007938	.00025397	.00022929	.00019341	.00050470
98 ELEC INST,AP	.00266352	.04218030	.00009824	.00002183	.00005840	.00007587	.00004454	.00013330
99 ELEC HSLD EQ	.00024540	.00010089	0.	0.	0.	0.	0.	0.
100 ELEC COMM EQ	.00003776	.00002746	.00008532	.00002778	.00008584	.00007754	.00006447	.00016861

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 25 *	SECTOR 26 *	SECTOR 27 *	SECTOR 28 *	SECTOR 29 *	SECTOR 30 *	SECTOR 31 *	SECTOR 32 *
101 OTH ELEC APP	0.	0.	.00008988	.00002778	.00010973	.00007921	.00006916	.00018115
102 AIRCRAFT	0.	0.	.00000665	0.	.00000619	.00000584	0.	0.
103 AIRCRAFT ENG	0.	0.	0.	0.	0.	0.	0.	0.
104 OTH AIRCRAFT	0.	0.	.00000494	0.	0.	0.	0.	0.
105 MOTOR VHCL,P	.00058069	.00102286	.00002299	0.	.00005309	.00001501	.00003165	.00018798
106 SHIP,BT BLDG	0.	0.	.00000171	0.	0.	0.	0.	0.
107 OTH TRANS EQ	.00000159	0.	.00001710	0.	.00001504	.00001501	.00001289	.00000684
108 SCIENTIF INS	0.	0.	.00000570	0.	.00000619	.00000500	0.	.00001139
109 MECH MSRG DV	.00033520	.00057729	.00001672	0.	.00001681	.00001501	.00001289	.00003304
110 MEDICAL INST	0.	0.	.00001539	.00001191	.00001150	.00001001	.00000938	.00003304
111 PHO,TH,OPT I	0.	0.	.00000285	0.	.00000796	0.	0.	0.
112 GAMES,TOYS	.00004609	.00003363	0.	0.	0.	0.	0.	0.
113 OTH MFG IND	.00029119	.00038000	.00147641	.00002778	.00010619	.00005336	.00008557	.00198235
114 RAIL TRANS	.00475864	.00165171	.00014099	.00009922	.00211141	.01031887	.00227165	.00256453
115 INTERCTY HGY	0.	0.	0.	0.	0.	.00030099	0.	0.
116 MOTOR FRT STR	.01499824	.00612344	.01618012	.01458804	.00982965	.01433102	.01563663	.00370381
117 WATER TRANS	.00127269	.00035422	.00007145	.00006549	.00138755	.00029933	.00018637	.00009000
118 AIR TRANS	.00081638	.00079139	.00016113	.00010915	.00050529	.00061616	.00027780	.00050698
119 PIPELINE TRN	0.	0.	.00009140	.00008335	.00177514	.00005336	.00023795	.00011621
120 LOC,SUB TRAN	0.	0.	0.	0.	0.	0.	0.	0.
121 OTH TRAN SER	.00004510	.00000897	.00027932	.00638016	.00023362	.00382288	.03084073	.00214983
122 TELEP,TELEGR	.00249285	.00187646	.00146900	.00079181	.00218574	.00179430	.00196806	.00273428
123 RADIO, TV	.00003994	.00004624	.00447959	.00021631	.00266979	.00279733	.00100806	.00543324
124 OTH COMMUNIC	.00136179	.00061960	.00000342	0.	.00001504	0.	0.	.00000684
125 GAS SERVICES	.00067624	.00052208	.00279454	.00414760	.00716428	.00403717	.00292337	.00432358
126 ELEC SERVICES	.00264657	.00171589	.00409595	.00655281	.01256139	.01083331	.00777495	.00862551
127 WATER,SANI SERV	.00187321	.00061680	.00122293	.00257786	.00175921	.00060116	.00372736	.00208945
128 WHL AUT PT,S	.00248225	.00024268	.00012047	.00002778	.00129198	.00001668	.00005744	.00032811
129 WHL GRO,RELP	.00025095	.00002858	.02057325	.04492108	.05443210	.00000750	.00858256	.01531880
130 WHL FM PROD	.00004975	0.	.00035191	.00141892	.00683067	.05938937	.00990828	.00448991
131 WHL LIVESTOC	0.	0.	.00437775	0.	.00003805	0.	.00077245	.00003760
132 WHL MAC,EQ,S	.00291814	.00088218	.00077811	.00072434	.00315473	.00007171	.00048059	.00145486
133 WHL PET,PETP	.00840981	.00206590	.00046022	.00038499	.00352020	.00001334	.00173597	.00155170
134 GEN WHL	.01905180	.03038601	.00338701	.00205594	.01344365	.00430314	.00919678	.02706595
135 LUMBER YARDS	.00171265	.00262133	.00000551	.00016273	.00000708	0.	.00013832	.00008659
136 FARM EQ DEAL	.00017027	.00003223	0.	.00001588	.00007610	0.	.00006681	.00004443
137 HDW,HT,E,P,W	.00117695	.00128712	.00001463	0.	.00005309	0.	0.	.00014127
138 DEPT,VAR STO	.00243794	.00096934	.00046440	.00011312	.00008938	.00001334	.00298901	.00583769
139 FOOD STORES	.00010030	.00003671	.00425842	.00238735	.00369010	.00000750	.00232674	.00585136
140 AUTO DEAL,RP	.00455447	.00283347	.00159973	.00069656	.00749613	.00210947	.00832821	.00571123
141 GAS SER STAT	.00376515	.00111954	.00024417	.00005557	.00134950	.00024513	.00014300	.00138195
142 APPRL ACC ST	0.	0.	.00001634	0.	0.	0.	.00233260	.00023469
143 FURN,HM F,EQ	.00041111	.00016870	.00001444	.00002778	0.	0.	.00032703	.00019026
144 EAT,DRINK PL	.00048733	.00045510	.01233441	.00053780	.00213442	.00014174	.00392557	.00410142
145 OTHER RETAIL	.00144941	.00137652	.00067626	.00024211	.00014424	.00001668	.00057201	.00645746
146 BANK,CRD AGE	.02717676	.00872263	.00478115	.00429644	.00314588	.00075290	.01124806	.00069496
147 INSURANCE CA	.01988057	.01150594	.00560220	.00119467	.00406442	.00215699	.00757802	.00541615
148 F.I.R.E. NEC	.02433177	.01495536	.00128184	.00013693	.00509712	.00020594	.00127297	.00635264
149 LEGAL SERVIC	.00182593	.00272950	.00059076	.00016670	.00095129	.00032601	.00142300	.00075762
150 LODGING SERV	.00056731	.00077093	.00021833	.00003771	.00052299	.00031267	.00039971	.00078952

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 25 *	* SECTOR 26 *	* SECTOR 27 *	* SECTOR 28 *	* SECTOR 29 *	* SECTOR 30 *	* SECTOR 31 *	* SECTOR 32 *
151 PERSONAL SER	.00002587	.00006473	.00056339	.00006152	.00030176	0.	.00001172	.00006950
152 ADVERTISING	.00021359	.00047164	.00019400	.00002183	.00124685	.00566554	.00045245	.00164968
153 DUPL, ADDRESS	.00003776	.00000897	0.	0.	0.	0.	0.	0.
154 PRI EMPL AGE	0.	0.	.00000418	0.	.00009115	0.	.00001172	0.
155 PHOTO SERVIC	0.	0.	.00000950	0.	.00020176	.00000584	.00002462	.00001253
156 RESRCH, DEVEL	.00019723	.00014320	.00008247	.00001191	.00025220	.00000750	.00015355	.00005355
157 OTHER BUS SE	.01263275	.00802764	.00032892	.00052391	.00115039	.00094384	.00057436	.00282884
158 MTN PCT, AM, R	0.	0.	0.	0.	.00001062	0.	0.	.00008772
159 AUTO RENT SE	.00229691	.00093935	.00034868	.00010518	.00084510	.01382575	.00041612	.00589465
160 AUTO PARKING	0.	0.	0.	0.	0.	0.	0.	0.
161 ELEC REP SHP	.00000287	0.	.00008912	.00001984	.00017079	0.	.00015707	.00010367
162 MISC REP SER	.00233972	.00106966	.00134150	.00138121	.00064864	.00158001	.01485832	.00747711
163 PHYS, DENT SE	.00000743	.00000364	.00000475	0.	.00003628	0.	0.	.00002165
164 HOSP, LAB SER	0.	0.	.00013396	0.	.00007168	0.	0.	.00008317
165 OTH MED SERV	0.	0.	.00021643	0.	.00003009	0.	0.	0.
166 ED(PUB, PRI)	.00269563	.00235538	.00016550	.00015479	.00187160	.00330844	.00054974	.00036799
167 COLL, UNIV	.00113849	.00145835	.00009292	.00011113	.00088138	.00113728	.00047707	.00015266
168 OTH ED SERV	0.	0.	0.	0.	0.	0.	0.	.00003760
169 ENG, ARCH SER	.00456200	.00137680	.00006765	.00002977	.00069643	.00001918	.00008557	.00004899
170 COMPU, ACCT SERV	.00220543	.00262862	.00107035	.00068862	.00104155	.00077458	.00061070	.00523045
171 OTH PROF SER	.00000079	0.	.00027666	0.	.00001239	0.	0.	0.
172 OTHER SERVIC	.00119895	.00193503	.00015866	.00015678	.00151144	.00002084	.00009377	.00003987
173 ORD, ORD ACCS	0.	0.	0.	0.	0.	0.	0.	0.
174 OUTDOOR REC	.00012002	.00014628	.00001254	0.	.00008938	.00007754	.00003985	.00003418
175 SCRAP	.00005481	.00001401	.00002242	.00002183	.00043626	.00001334	.00005861	.00002848
176 HOUSEHOLDS	.25803524	.37291977	.09153001	.11430306	.13347109	.10306698	.11807414	.24200764
177 PROP PAY	.01638223	.00669989	.00576105	.01160931	.03252334	.12979883	.03089700	.03481649
178 FEDERAL GOVT	.02339635	.02185281	.00684128	.01812838	.02419273	.01369652	.00317187	.01144866
179 STATE GOVT	.00103740	.00425286	.00054781	.00018853	.00233087	.00115729	.00121436	.00010709
180 LOCAL GOVT	.00162870	.00053973	.00046934	.00049811	.00237600	.00245548	.00201729	.02073951
181 DEPRECIATION	.03070226	.00744868	.01191334	.01120646	.01879032	.02369438	.02315604	.02753761
182 IMPORTS	.18807245	.22644510	.26169563	.20249808	.16832264	.19909435	.34339985	.17649317
TOTAL DIRECT REQ	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 33 *	SECTOR 34 *	SECTOR 35 *	SECTOR 36 *	SECTOR 37 *	SECTOR 38 *	SECTOR 39 *	SECTOR 40 *
1 IRR COTTON	.00012407	.01134755	.00008343	.12375176	.00003186	.00003853	0.	0.
2 IRR FOOD GRAIN	.00017646	.00366545	.00011896	0.	.00004498	.00005504	0.	0.
3 IRR FEED GRAIN	.00002665	.00000973	.00003428	0.	.00000703	0.	0.	0.
4 OTHER IRR CROP	.14345742	.01197762	.00012598	0.	.00004217	.00005229	0.	0.
5 DRYLAND COTTON	.00007536	.00904532	.00005080	.03546086	.00001921	.00002477	0.	0.
6 DRY FOOD GRAIN	.00006617	.00002402	.00004461	0.	.00001687	.00002202	0.	0.
7 DRY FEED GRAIN	.00014245	.00005230	.00102394	0.	.00003655	.00004679	0.	0.
8 OTHER DRY CROP	.02658188	.00770796	.00004626	0.	.00001687	.00002202	0.	0.
9 RANGE LIVESTOCK	.00036487	.00013319	.00024576	.01586196	.00009372	.00011559	.00003389	.00002940
10 FEEDLOT LIVSTK	.00132160	.00048198	.00089011	.00142693	.00033878	.00041833	.00011862	.00010423
11 DAIRY	.00028491	.00010400	.00019207	.00001554	.00007310	.00009082	.00002542	.00002405
12 POULTRY, EGGS	.00013602	.00006507	.00009170	0.	.00003467	.00004403	0.	0.
13 AG SUP EX FMC	0.	0.	0.	0.	0.	0.	0.	0.
14 COTTON GINNING	0.	0.	0.	0.	0.	0.	0.	0.
15 AGRI SERVICES	0.	0.	0.	0.	0.	0.	0.	0.
16 PRIM FORESTRY	.00015164	.00005534	.00010243	0.	.00003889	.00004954	.04475690	.10052732
17 FISHERIES	.07561264	.00003375	.00005659	0.	.00002155	.00002752	0.	0.
18 CRUDE PETRO	.00630933	.00230041	.00424816	.00032630	.00161659	.00200634	.00057614	.00049712
19 NATRL GAS LQDS.	.00098982	.00046920	.00066252	.00004920	.00026053	.00030549	.00008896	.00007483
20 OIL, GAS FLDSV	.00027204	.00009944	.00018339	.00001554	.00006982	.00008532	.00002542	.00002138
21 LIGNITE, OTH MINE	.00038325	.00013958	.00026187	.00001813	.00009840	.00020917	.00003389	.00002940
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM, ED, INST	0.	0.	0.	0.	0.	0.	0.	0.
24 INDUS CONS	0.	0.	0.	0.	0.	0.	0.	0.
25 FACILITY CONS	0.	0.	.00002561	0.	0.	0.	0.	0.
26 MAINTEN, REPR	.00760428	.00243755	.00319448	.00219089	.00095309	.00203111	.02409205	.02959186
27 MEAT PRODUCTS	.00207155	.00700096	.00005948	.00002849	.00002249	.00002752	0.	0.
28 POULTRY PROD	.00007261	.00000213	.00000330	0.	0.	0.	0.	0.
29 DAIRIES	.00061393	.00229828	.00001983	0.	.00000750	0.	0.	0.
30 OTH GRAIN MIL	.02214284	.01051223	.00133744	0.	.00005670	.00006880	.00002118	.00001871
31 ANIMAL FEEDS	.00003492	.00004653	.00002313	0.	.00000890	0.	0.	0.
32 BAKERY PROD	.00000551	.00004835	.00001570	0.	0.	0.	0.	0.
33 CNND, PSVP, PCK	.00007996	.00031047	.00071291	0.	.00000469	0.	0.	0.
34 OTH FOOD PROD	.00215795	.01055024	.09504096	0.	.00002202	.00002752	0.	0.
35 BEVERAGES	.00048067	.00032659	.02858098	0.	.00003608	.00004403	0.	0.
36 TEXTILE MILL	.00010569	.00008058	.00006154	.03989962	.03082626	.00979499	0.	0.
37 MBWMC FURN	.00000643	.00000243	.00000454	0.	.00209407	.00012385	0.	0.
38 RELATED APPRL	.00001746	.00002798	.00003346	0.	.00040344	.00573828	0.	0.
39 LOGGING	.00015624	.00005686	.00010533	0.	.00003983	.00004954	.29016365	.03459778
40 LUMBER MILLS	.00003860	.00001399	.00002602	0.	.00000984	0.	0.	.03744952
41 MILLWORK, WOOD	.00023804	.00014049	.00436505	0.	.00013823	.04233946	.00002118	.00772670
42 WOOD FURN, FIX	.00001379	.00000730	.00002024	0.	.00002249	.00002202	0.	0.
43 MET FURN, FIXT	0.	0.	.00000289	0.	0.	0.	0.	0.
44 PAPER, PAP MIL	.00513661	.00071004	.00057289	.00009323	.00027646	.00023669	.00003813	.00003207
45 PAP EX BOX, CT	.00169750	.00498274	.00040437	.00226340	.00021601	.00300813	0.	0.
46 BOXES, PAP CNT	.02934824	.00760487	.01414179	.00018128	.00216482	.00015687	.00003389	.00307892
47 NEWSPAPERS	.00024171	.00004561	.00057454	.00005438	.00032847	.00022293	0.	0.
48 PUBLISHING	.00058820	.00002220	.00121394	.00113947	.00297827	.00084767	0.	.00011493
49 PRINTING	.00036854	.00016360	.00332831	.00002331	.00021180	.00004679	0.	0.
50 MANFLD BUS FM	.00003033	.00002037	.00005246	.00002331	.00001078	.00002477	0.	0.

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 33 *	* SECTOR 34 *	* SECTOR 35 *	* SECTOR 36 *	* SECTOR 37 *	* SECTOR 38 *	* SECTOR 39 *	* SECTOR 40 *
51 OTH PRNT,PUBS	.00006525	.00003315	.00015861	.00047133	.00016260	.00009082	0.	0.
52 CHLOR,ALKALIE	.00030696	.00009944	.00285826	.00006474	.00007544	.00012935	.00002542	.00002138
53 CYCCRD INT,IG	.00058268	.00022198	.00085459	.00014243	.00015791	.00028623	.00005931	.00004544
54 ORG CHEM	.00243550	.00111356	.00361620	.00370328	.00067053	.00202560	.00024147	.00018976
55 INORG CHEM	.00036670	.00016299	.00054026	.00009064	.00011105	.00018164	.00003813	.00002940
56 FIBERS,PLASTI	.00052846	.00020009	.00085252	.00012949	.00014385	.01288568	.00005084	.00004009
57 SYN RUBBER	.00005974	.00002250	.00008798	.00389751	.00001640	.00003027	0.	0.
58 DRUGS	.00123613	.00000213	.00000496	0.	.00004592	0.	0.	0.
59 AGRI CHEMICAL	.00004503	.00003588	.00002891	0.	.00000984	0.	0.	0.
60 SPS,CLNS,TOIL	.00010477	.00011434	.00031474	.00016315	.00010215	.00007706	0.	0.
61 PAINT,VARNISH	.00005514	.00002646	.00003717	0.	.00001406	.00001927	0.	0.
62 OTH CHEMICALS	.00094111	.00039166	.00027467	.00003885	.00008388	.00009633	.00002965	.00002405
63 PETRO REFING	.00663191	.00258929	.01391627	.00159008	.00271681	.00515758	.00048718	.00042228
64 OTH PETRO PRD	.00001562	.00001125	.00002354	0.	.00000422	0.	0.	0.
65 TIRES	.00007169	.00001977	.00002354	.00003626	.00000750	.00002752	0.	0.
66 FAB RUBBER PR	.00009650	.00003436	.00161913	0.	.00003421	.00004403	0.	0.
67 PLASTIC PRODS	.00031248	.00122546	.00340844	.00007510	.00008809	.00014862	.00002965	.00002405
68 LEATHER,L PRD	.00011121	.00000791	.00005452	0.	.00036221	.00030274	0.	0.
69 GLASS	.05549541	.00168281	.05383488	.00003885	.00004311	.00007706	0.	0.
70 CLAY	0.	0.	.00000496	0.	0.	0.	0.	0.
71 CUT ST,CL,SH	.00007996	.00015052	.00017141	.00001813	.00004264	.00003853	0.	0.
72 CEMENT,CONCRT	.00007536	.00002828	.00011028	.00001813	.00002015	.00003853	0.	0.
73 BLAST FURNACE	.00027020	.00011221	.00027839	.00007510	.00008622	.00015412	0.	.00001604
74 PRI STEEL,IRO	.00005974	.00002311	.00008922	.00001554	.00001734	.00003027	0.	0.
75 FOUNDRIES	.00016635	.00006295	.00024576	.00004144	.00004545	.00008257	0.	0.
76 NONFER SMELTG	.00035384	.00013380	.00052126	.00008805	.00009653	.00017614	.00003389	.00002673
77 AL SMLT ROL DR	.00038508	.00014596	.00056835	.00009582	.00013214	.03188395	.00003813	.00002940
78 CAST,FORGINGS	.00005239	.00002007	.00007765	0.	.00001453	.00002752	0.	0.
79 FABRI STEEL	.00012775	.00004835	.00018917	.00003108	.00003467	.00006330	0.	0.
80 PLATE WORK	.00005422	.00002037	.00013341	0.	.00001453	.00002752	0.	0.
81 SH MET,ARCH	.00019668	.00007450	.00029037	.00004920	.00005389	.00009908	.00002118	.00001604
82 METAL DOORS	0.	0.	.00000413	0.	0.	0.	0.	0.
83 FAB MET PROD	.02702211	.00013988	.13864681	.00007769	.00019868	.00017339	.00003389	.00002405
84 PLUMBING	.00001746	.00000639	.00003470	0.	.00000469	0.	0.	0.
85 BOLTS,NUTS,SC	.00092273	.00007876	.00431424	.00005179	.00005670	.03146011	.00002118	.00001604
86 ELCTPLT,CT,EN	.00005422	.00002068	.00008054	0.	.00001499	.00002752	0.	0.
87 VALVE,PIPE FT	.00023344	.00007906	.00032507	.00005179	.00005670	.00010183	.00002118	.00001604
88 OTH FAB MET P	.04158181	.00002281	.00022593	0.	.00001312	.00002477	0.	0.
89 FM,CONS,IND M	.00001838	0.	.00000248	0.	0.	0.	0.	0.
90 MTL HDL MC,EQ	.00002665	.00000973	.00001817	0.	.00000703	0.	0.	.00020045
91 MIN MACH,EQUP	.00013326	.00004865	.00009004	0.	.00003421	.00004128	0.	0.
92 ENGINES	.00008915	.00003254	.00006030	0.	.00002296	.00002752	0.	0.
93 METAL WK MACH	.00005882	.00002129	.00003965	0.	.00001499	.00001927	0.	0.
94 IND PROC MACH	.00054868	.00007298	.00157907	.00012172	.00014666	.00002202	0.	.00745676
95 GEN IND MACH	.00024447	.00008454	.00014704	.00002590	.00005576	.00099629	.00002118	.00001604
96 REFRIG MACH	.00001838	.00001308	.00014126	0.	.00002437	0.	0.	0.
97 COMPU,ACCT MACH	.00034465	.00013836	.00057867	.00008546	.00009372	.01151510	.00003389	.00002673
98 ELEC INST,AP	.00011029	.00004561	.00012598	.00021754	.00014385	.00007981	0.	0.
99 ELEC HSLD EQ	0.	0.	0.	0.	0.	0.	0.	0.
100 ELEC COMM EQ	.00011580	.00004348	.00017224	.00002849	.00007216	.00010733	0.	0.

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 33 *	SECTOR 34 *	SECTOR 35 *	SECTOR 36 *	SECTOR 37 *	SECTOR 38 *	SECTOR 39 *	SECTOR 40 *
101 OTH ELEC APP	.00011948	.00004500	.00017885	.00003108	.00003280	.00006055	0.	0.
102 AIRCRAFT	.00000919	.00000334	.00000620	0.	0.	0.	0.	0.
103 AIRCRAFT ENG	0.	0.	0.	0.	0.	0.	0.	0.
104 OTH AIRCRAFT	.00000643	.00000243	.00000454	0.	0.	0.	0.	0.
105 MOTOR VHCL,P	.00005790	.00008302	.00001859	.00002331	.00001078	.00016238	0.	0.
106 SHIP,BT BLDG	0.	0.	0.	0.	0.	0.	0.	0.
107 OTH TRANS EQ	.00002298	.00000821	.00001570	0.	.00000609	0.	0.	0.
108 SCIENTIF INS	.00000827	.00000304	.00001157	0.	0.	0.	0.	0.
109 MECH MSRG DV	.00002298	.00001216	.00003346	0.	.00000609	0.	0.	0.
110 MEDICAL INST	.00009374	.00002950	.00018298	0.	.00001265	0.	0.	0.
111 PHO,TH,OPT I	0.	.00000213	.00000578	0.	0.	0.	0.	0.
112 GAMES,TOYS	0.	0.	0.	0.	.00009231	0.	0.	0.
113 OTH MFG IND	.00085197	.00016421	.00087276	.00009841	.00661490	.00021742	0.	0.
114 RAIL TRANS	.00055787	.00666434	.00104046	.00154865	.00173655	.00357232	.00010167	.00004009
115 INTERCTY HGY	0.	.00000334	0.	0.	0.	0.	0.	0.
116 MOTOR FRT STR	.00986424	.00724757	.00300655	.00348316	.00801501	.00901337	.00584614	.00280364
117 WATER TRANS	.00034557	.00064314	.00019702	0.	.00113583	.00123022	.00006778	.00059601
118 AIR TRANS	.00044482	.00018458	.00073233	.00167813	.00113770	.00115041	.00002965	.00026459
119 PIPELINE TRN	.00044207	.00014839	.00008302	0.	.00143853	.00151094	.00008896	.00003207
120 LOC,SUB TRAN	0.	0.	0.	.00031076	0.	0.	0.	0.
121 OTH TRAN SER	.00005790	.00006812	.00058115	0.	.00212593	.00031925	0.	0.
122 TELEP,TELEGR	.00148336	.00048289	.00162615	.00211838	.00212312	.00291731	.00069052	.00081784
123 RADIO , TV	.00010385	.00030074	.00995477	.00001554	.00012511	.00063850	.00003813	.00004544
124 OTH COMMUNIC	.00000551	0.	.00043080	0.	.00000609	.00001927	0.	0.
125 GAS SERVICES	.01046806	.00654878	.00514363	.00664260	.00573585	.00546857	.00034314	.00284640
126 ELEC SERVICES	.00639480	.00480668	.00798414	.03701469	.00939731	.00732904	.00101672	.01132947
127 WATER,SANI SERV	.00243550	.00102477	.00207472	.00307657	.00135419	.00112839	.00008896	.00053721
128 WHL AUT PT,S	.00015164	.00015265	.00024948	0.	.00012370	.00036879	.00166488	.00375778
129 WHL GRO,REL P	.00549964	.00118745	.01465149	.00003885	.00017759	.00019540	0.	.00005613
130 WHL FM PROD	.00107530	.00064709	.00025733	.00570254	.00055995	.00060548	.00003389	0.
131 WHL LIVESTOC	.00000919	.00000334	0.	0.	.00002999	.00003303	0.	0.
132 WHL MAC,EQ,S	.00590218	.00066321	.00020900	.00095560	.00233773	.00525941	.00777791	.01301860
133 WHL PET,PETP	.00046688	.00036734	.00163565	.00044284	.00101213	.00067979	.00810835	.00006147
134 GEN WHL	.02013654	.00270332	.00422296	.00033148	.00700803	.01383794	.05659746	.04079036
135 LUMBER YARDS	.00011212	.00001460	.00003346	.00001813	.00025678	0.	.00285953	.00087931
136 FARM EQ DEAL	.00010937	.00000274	.00000826	0.	.00002437	0.	.00178350	.00039021
137 HDW,HT,E,P,W	.00145854	.00000517	.00001033	0.	.00002811	.00004679	.00204191	.00068688
138 DEPT,VAR STO	.00348966	.00012498	.00042874	0.	.00000797	.00026971	.00629943	.00208469
139 FOOD STORES	.00024079	.00055921	.00566861	0.	.00001265	.00008532	0.	.00008018
140 AUTO DEAL,RP	.00036487	.00026425	.00356870	.00036774	.00057963	.00089446	.00669765	.00335688
141 GAS SER STAT	.00014062	.00008606	.00053696	.00026674	.00020711	.00028623	.00227915	.00084457
142 APPRL ACC ST	.00000827	.00000426	.00002313	0.	.00000234	.00005780	0.	0.
143 FURN,HH F,EQ	.00057717	.00000456	.00000578	0.	0.	.00003853	.01787310	.00443129
144 EAT,DRINK PL	.00032443	.00035152	.00695070	.00031335	.00089217	.00052291	.00011769	.00011760
145 OTHER RETAIL	.00098431	.00018884	.00076496	.00027969	.00008200	.00032200	.02657030	.00032607
146 BANK,CRD AGE	.00291341	.00117985	.00195865	.00460968	.00575365	.04835021	.00712128	.00400634
147 INSURANCE CA	.00169566	.00056225	.00619111	.00715018	.00334002	.00719694	.01654713	.01228629
148 F.I.R.E. NEC	.00364498	.00095878	.01637801	.00080799	.03062102	.00718042	.00184281	.00064946
149 LEGAL SERVIC	.00135009	.00082498	.00087441	.00116019	.00159972	.00159351	.00030078	.00017640
150 LODGING SERV	.00055511	.00026151	.00058280	.00120162	.00065320	.00040182	.00013556	.00013363

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 33 *	SECTOR 34 *	SECTOR 35 *	SECTOR 36 *	SECTOR 37 *	SECTOR 38 *	SECTOR 39 *	SECTOR 40 *
151 PERSONAL SER	.00012775	.00008727	.00001322	0.	.00006560	.00009082	.00041940	.00049712
152 ADVERTISING	.00057992	.00213529	.03246524	.00031076	.00080455	.00052291	.00004660	.00005345
153 DUPL, ADDRESS	0.	.00000821	0.	0.	.00000281	.00003578	0.	0.
154 PRI EMPL AGE	.00005422	.00001247	.00000413	0.	.00006607	.00007156	0.	0.
155 PHOTO SERVIC	.00004687	.00001551	.00000867	0.	.00016447	.00015963	0.	0.
156 RESRCH, DEVEL	.00006341	.00006051	.00001198	.00120680	.00050138	.00021467	0.	0.
157 OTHER BUS SE	.00107254	.00050174	.00053365	.00004403	.00365443	.00102106	.00248249	.00007751
158 MTN PCT, AM, R	0.	0.	0.	0.	.00006841	.00074034	0.	0.
159 AUTO RENT SE	.00358524	.00032051	.00097478	.00238512	.00077971	.00059172	.00032620	.00135505
160 AUTO PARKING	0.	0.	0.	0.	0.	0.	0.	0.
161 ELEC REP SHP	.00003492	.00010765	.00001528	0.	.00002062	.00002202	.00013556	.00015769
162 MISC REP SER	.00303289	.00115492	.00542616	.00325785	.00189258	.00056420	.03923271	.00194571
163 PHYS, DENT SE	0.	.00019340	.00000578	0.	.00001640	0.	0.	0.
164 HOSP, LAB SER	0.	0.	.00000454	0.	.00000750	0.	0.	0.
165 OTH MED SERV	0.	0.	.00000578	0.	.00000890	0.	0.	0.
166 ED(PUB, PRI)	.00165522	.00115735	.00582433	.00591748	.00601184	.00334940	.00006355	.00002405
167 COLL, UNIV	.00053581	.00032689	.00434935	.00088568	.00137012	.00113940	.00002965	0.
168 OTH ED SERV	0.	.00000274	.00001735	0.	0.	0.	0.	0.
169 ENG, ARCH SER	.00015808	.00010825	.00002974	0.	.00174967	.00053943	.00002965	.00001871
170 COMPU, ACCT SERV	.00036303	.00078454	.00017637	.01216127	.00166345	.00202835	.00097012	.00010423
171 OTH PROF SER	0.	.00010217	.00005576	0.	.00000562	0.	0.	0.
172 OTHER SERVIC	.00011029	.00007754	.00033250	.00034443	.00170515	.00126600	0.	0.
173 ORD, ORD ACCS	0.	0.	0.	0.	0.	0.	0.	0.
174 OUTDOOR REC	.00004044	.00003132	.00047665	.00019423	.00031348	.00009908	0.	0.
175 SCRAP	.00010937	.00003649	.00002065	0.	.00034394	.00037154	0.	0.
176 HOUSEHOLDS	.08352664	.06912499	.09780381	.25692229	.31284388	.24199324	.19121553	.16489335
177 PROP PAY	.05444952	.11656718	.03893846	.02656781	.03134123	.05829106	.01981758	.02731206
178 FEDERAL GOVT	.03824287	.10074927	.06774620	.05734648	.04250179	.01860195	.03911833	.00896148
179 STATE GOVT	.00101648	.00165727	.00553520	.00091158	.00262590	.00069355	.00572329	.00021114
180 LOCAL GOVT	.00350161	.00084931	.00325602	.00286163	.00211469	.00171736	.00062698	.00156619
181 DEPRECIATION	.00603085	.00820392	.04157161	.01211724	.01219284	.00812167	.05580103	.01746860
182 IMPORTS	.24410241	.55123170	.20084129	.30251927	.42868402	.36756672	.10772581	.44534781
TOTAL DIRECT REQ	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 41 *	* SECTOR 42 *	* SECTOR 43 *	* SECTOR 44 *	* SECTOR 45 *	* SECTOR 46 *	* SECTOR 47 *	* SECTOR 48 *
1 IRR COTTON	.00013713	.00084914	.00006499	.00003712	.00004887	.00001861	.00055667	.00004094
2 IRR FOOD GRAIN	.00019572	.00121110	.00009388	.00005197	.00006909	.00002659	.00079268	.00005459
3 IRR FEED GRAIN	.00002962	.00018355	0.	.00000742	.00001011	0.	.00011959	0.
4 OTHER IRR CROP	.00018349	.00113562	.00008666	.00004950	.00006404	.00002526	.00074399	.00005004
5 DRYLAND COTTON	.00008370	.00051978	.00003611	.00002227	.00003033	.00001063	.00034078	0.
6 DRY FOOD GRAIN	.00007340	.00045631	0.	.00001980	.00002528	.00000931	.00029844	0.
7 DRY FEED GRAIN	.00015902	.00098294	.00007221	.00004207	.00005561	.00002127	.00064345	.00004549
8 OTHER DRY CROP	.00007340	.00045287	0.	.00001980	.00002528	.00000931	.00029633	0.
9 RANGE LIVESTOCK	.00040561	.00250796	.00018775	.00010889	.00014324	.00005450	.000164356	.00011828
10 FEEDLOT LVSTK	.00146663	.00907636	.00067880	.00039225	.00051734	.00019674	.00594560	.00041852
11 DAIRY	.00031676	.00195903	.00014443	.00008414	.00011122	.00004254	.00128268	.00009098
12 POULTRY, EGGS	.00015130	.00093320	.00006499	.00003960	.00005224	.00001994	.00061170	.00004094
13 AG SUP EX FMC	0.	0.	0.	.00049372	0.	0.	0.	0.
14 COTTON GINNING	0.	0.	0.	0.	0.	0.	0.	0.
15 AGR SERVICES	0.	0.	0.	0.	0.	0.	0.	0.
16 PRIM FORESTRY	.14060192	.00104470	.00007943	.03791238	.00005898	.00002260	.00068473	.00005004
17 FISHERIES	.00009271	.00057467	.00004333	.00002475	.00003202	.00001196	.00037676	.00002729
18 CRUDE PETRO	.00700157	.04332499	.00322070	.00187341	.00247379	.00093853	.02837866	.00200615
19 NATRL GAS LQDS.	.00106424	.00658383	.00049827	.00028460	.00037579	.00014224	.00431263	.00030479
20 OIL, GAS FLDSV	.00030195	.00186982	.00013720	.00008043	.00010616	.00003988	.00122447	.00008643
21 LIGNITE, OTH MINE	.00042557	.00263148	.00019498	.00163830	.00014998	.00005716	.00172399	.00012283
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM, ED, INST	0.	0.	0.	0.	0.	0.	0.	0.
24 INDUS CONS	0.	0.	0.	0.	0.	0.	0.	0.
25 FACILITY CONS	0.	0.	0.	0.	0.	0.	0.	0.
26 MAINTEN, REPR	.01158559	.01565676	.00202197	.01596356	.01006198	.01107355	.01081490	.00413513
27 MEAT PRODUCTS	.00009786	.00060383	.00004333	.00002599	.00003539	.00001196	.00039581	.00002729
28 POULTRY PROD	.00000579	.00003602	0.	0.	0.	0.	.00002328	0.
29 DAIRIES	.00003283	.00020242	0.	.00000866	.00001180	0.	.00013229	0.
30 OTH GRAIN MIL	.00024658	.00152331	.00011554	.00006558	.00008763	.00003323	.00099905	.00007279
31 ANIMAL FEEDS	.00003863	.00023845	0.	.00000990	.00001348	0.	.00015557	0.
32 BAKERY PROD	.00000386	.00002230	0.	0.	0.	0.	.00001482	0.
33 CNND, PSVP, PCK	.00001931	.00012008	0.	0.	0.	0.	.00007832	0.
34 OTH FOOD PROD	.00009593	.00059354	.00004333	.00002475	.00003370	.00001329	.00038840	.00002729
35 BEVERAGES	.00015645	.00096579	.00007221	.00004207	.00005561	.00002127	.00063393	.00004549
36 TEXTILE MILL	.00009400	.00977797	.00657861	.00002475	.00003370	.00001196	.00042438	.00030479
37 MBWMC FURN	.00000708	.00004460	0.	0.	0.	0.	.00002963	0.
38 RELATED APPRL	.00001931	.00011836	0.	0.	0.	0.	.00007832	0.
39 LOGGING	.03926741	.00107215	.00007943	.02500269	.00006235	.00002393	.00070166	.00005004
40 LUMBER MILLS	.01462573	.00353894	.00049827	.01342939	.00001517	0.	.00017356	0.
41 MILLWORK, WOOD	.01740704	.00667818	.01086085	.00006311	.00063530	.00003190	.00095460	.00035028
42 WOOD FURN, FIX	.00001545	.00009435	0.	0.	0.	0.	.00006244	.00010008
43 MET FURN, FIXT	0.	.00001372	0.	0.	0.	0.	.00000847	.00005914
44 PAPER, PAP MIL	.00068696	.00267265	.00020220	.00011260	.06543067	.13224051	.03355170	.00162858
45 PAP EX BOX, CT	.00033865	.00162108	.00007943	.00028336	.03957892	.00002925	.00178432	.00008643
46 BOXES, PAP CNT	.00043844	.00220433	.01028315	.00009280	.01046136	.00006115	.00145941	.00010008
47 NEWSPAPERS	.00033801	.00037396	.00013720	.00000990	.00007415	0.	.00019261	.00041397
48 PUBLISHING	.00014937	.00040484	.00004333	.00009404	.00006235	.00001063	.00033337	.06139002
49 PRINTING	.00012555	.00069304	.00005055	.00002722	.00004213	.00001728	.00766430	.17756478
50 MANFLD BUS FM	.00003155	.00019384	.00005777	.00000866	.00001348	0.	.00063181	.00033208

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 41 *	SECTOR 42 *	SECTOR 43 *	SECTOR 44 *	SECTOR 45 *	SECTOR 46 *	SECTOR 47 *	SECTOR 48 *
51 OTH PRNT,PUBS	.00046935	.00016297	.00020942	.00000742	.00001011	0.	.00208594	.01853756
52 CHLOR,ALKALIE	.00029938	.00181664	.00013720	.00265173	.00011796	.00005052	.00120224	.00008188
53 CYCCRD INT,IG	.00066056	.00400897	.00031052	.00017076	.00120825	.00011167	.00265637	.00022291
54 ORG CHEM	.00919765	.01682669	.00130706	.00071397	.00109871	.00354806	.01113769	.00080064
55 INORG CHEM	.00200229	.00252340	.00019498	.01011195	.00099255	.01950434	.00173881	.00012283
56 FIBERS,PLASTI	.00155548	.01554183	.00028885	.00015591	.00023929	.00010236	.00242460	.00022745
57 SYN RUBBER	.00006760	.00041170	0.	.00001732	.00002696	.00001196	.00027304	0.
58 DRUGS	.00000644	.00003945	0.	0.	0.	0.	.00002646	0.
59 AGRI CHEMICAL	.00004185	.00026075	0.	.00001114	.00001517	0.	.00017039	0.
60 SPS,CLNS,TOIL	.00008498	.00052664	.00003611	.00002227	.00003033	.00001196	.00036194	.00009098
61 PAINT+VARNISH	.00044488	.00382027	.01359773	.00308110	.00002191	.00486678	.00024976	.00003639
62 OTH CHEMICALS	.02285636	.00461280	.00015165	.00221369	.00682145	.00380728	.00289343	.00055954
63 PETRO REFING	.00595086	.03682178	.00335069	.00159252	.00210306	.00079761	.02566727	.01099516
64 OTH PETRO PRD	.00001738	.00010979	0.	0.	0.	0.	.00007091	0.
65 TIRES	.00003283	.00020242	0.	.00000866	.00001180	0.	.00014181	.00004094
66 FAB RUBBER PR	.00010430	.00064500	.00005055	.00002846	.00003707	.00001462	.00042227	.00003184
67 PLASTIC PRODS	.00627019	.02729083	.00015887	.00008785	.00013650	.00005849	.00154620	.00009553
68 LEATHER,L PRD	.00002189	.00013209	0.	0.	0.	0.	.00008678	.00034118
69 GLASS	.00025817	.00108930	.00053438	.00004578	.00007078	.00003058	.00072071	.00005004
70 CLAY	.00000386	.00002402	0.	0.	0.	0.	.00001587	0.
71 CUT ST,CL,SH	.00008756	.00053007	.00004333	.00002227	.00003539	.00001462	.00035136	.00004549
72 CEMENT,CONCRT	.00008498	.00051806	.00003611	.00002227	.00003370	.00001462	.00034184	.00002275
73 BLAST FURNACE	.00021246	.00128829	.02232830	.00005445	.00008426	.00003589	.00085300	.00005914
74 PRI STEEL,IRO	.00007597	.00041513	.01331610	.00001732	.00009437	.00028448	.00027516	0.
75 FOUNDRIES	.00018993	.00115277	.00009388	.00004950	.00007583	.00003190	.00076410	.00005459
76 NONFLR SMELTG	.00040303	.00244621	.00018775	.00010394	.00016009	.00006780	.00161816	.00011373
77 AL SMLT ROL DR	.00201388	.01492256	.02271102	.00011384	.00017357	.00007444	.00176527	.00017287
78 CAST,FORGINGS	.00005988	.00036367	0.	.00001609	.00002359	.00001063	.00024130	0.
79 FABRI STEEL	.00014615	.00369847	.00007221	.00003712	.00005729	.00002393	.00068896	.00009098
80 PLATE WORK	.00006116	.00037225	0.	.00001609	.00002359	.00001063	.00024659	0.
81 SH MET,ARCH	.00022405	.00185953	.00544487	.00005816	.00008931	.00003722	.00090062	.00005914
82 METAL DOORS	0.	.00001887	0.	0.	0.	0.	.00001270	0.
83 FAB MET PROD	.00103334	.00218718	.00017331	.00009280	.00014155	.00006115	.00145095	.00014102
84 PLUMBING	.00001931	.00011836	0.	0.	0.	0.	.00010266	.00009098
85 BOLTS,NUTS,SC	.00118528	.00243935	.00732241	.00006063	.00009437	.00003988	.00135358	.00030934
86 ELCTPLT,CT,EN	.00006245	.00037740	0.	.00001609	.00002528	.00001063	.00024976	0.
87 VALVE,PIPE FT	.00023757	.00144268	.00011554	.00006063	.00009437	.00003988	.00095460	.00032753
88 OTH FAB MET P	.00017898	.00131402	0.	.00001485	.00002191	.00000931	.00022436	.00005004
89 FM,CONS,IND M	.00000386	.00002402	0.	0.	0.	0.	.00001587	0.
90 MTL HDL MC,EQ	.00013456	.00031392	0.	.00000742	.00001011	.00165505	.00012171	0.
91 MIN MACH,EQUP	.00014808	.00091433	.00007221	.00003960	.00005224	.00001994	.00059901	.00004094
92 ENGINES	.00009915	.00061241	.00004333	.00002599	.00003539	.00001329	.00040216	.00002729
93 METAL WK MACH	.00006503	.00040313	.00033940	.00001732	.00002359	.00000931	.00026458	0.
94 IND PROC MACH	.00270599	.00044944	.00004333	.00047612	.00257321	.01565585	.00045190	.00076880
95 GEN IND MACH	.00820810	.00149586	.00012276	.00191424	.00083752	.00003190	.00098000	.00006824
96 REFRIG MACH	.00001996	.00012351	0.	0.	0.	0.	.00008149	0.
97 COMPU,ACCT MACH	.00039273	.00238274	.00018053	.00010147	.00015503	.00006647	.00157689	.00010918
98 ELEC INST,AP	.00009014	.00054722	.00004333	.00002351	.00003539	.00001462	.00036194	0.
99 ELEC HSLD EQ	0.	0.	0.	0.	0.	0.	0.	0.
100 ELEC COMM EQ	.00013134	.00079939	.00006499	.00003465	.00005224	.00002260	.00053762	.00010463

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 41 *	* SECTOR 42 *	* SECTOR 43 *	* SECTOR 44 *	* SECTOR 45 *	* SECTOR 46 *	* SECTOR 47 *	* SECTOR 48 *
101 OTH ELEC APP	.00015774	.00082512	.00006499	.00003465	.00005392	.00002393	.00054503	.00010463
102 AIRCRAFT	.00001030	.00006176	0.	0.	0.	0.	.00004022	0.
103 AIRCRAFT ENG	0.	0.	0.	0.	0.	0.	0.	0.
104 OTH AIRCRAFT	.00000773	.00004632	0.	0.	0.	0.	.00002963	0.
105 MOTOR VHCL,P	.00001996	.00012351	0.	0.	0.	0.	.00008149	.00026385
106 SHIP,BT BLDG	0.	.00001544	0.	0.	0.	0.	.00001058	0.
107 OTH TRANS EQ	.00002511	.00015782	0.	.00000742	0.	0.	.00010371	0.
108 SCIENTIF INS	.00000901	.00005318	0.	0.	0.	0.	.00003598	0.
109 MECH HSRG DV	.00002575	.00015610	0.	0.	.00001011	0.	.00010371	0.
110 MEDICAL INST	.00001738	.00010293	0.	0.	0.	0.	.00006773	0.
111 PHO,TH,OPT I	.00000451	.00002573	0.	0.	0.	0.	.00024659	0.
112 GAMES,TOYS	0.	0.	0.	0.	0.	0.	0.	0.
113 OTH MFG IND	.00009207	.00055923	.00021664	.00002351	.00003707	.00020339	.00153985	.00068691
114 RAIL TRANS	.00049639	.00252340	.01462316	.02318497	.00046678	.00009571	.00491692	.00016832
115 INTERCTY HGY	0.	0.	0.	0.	0.	0.	.00002117	0.
116 MOTOR FRT STR	.00265899	.02413958	.00907719	.01747441	.05037899	.03616783	.00802095	.00132379
117 WATER TRANS	.00016997	.00085257	.00122040	.00108395	.00030670	.00003589	.00155255	.00010918
118 AIR TRANS	.00073203	.00135691	.00080157	.00043680	.00117117	.00383786	.00054291	.00921191
119 PIPELINE TRN	.00020152	.00109273	.00156702	.00138588	.00039432	.00004520	.00198751	.00014102
120 LOC,SUB TRAN	0.	0.	0.	0.	0.	0.	0.	0.
121 OTH TRAN SER	.00002640	.00014410	.00020220	.00018190	.00005224	.00000665	.00040004	0.
122 TELEP,TELEGR	.00216389	.00303289	.00665805	.00138093	.00382190	.00289135	.00422267	.01124991
123 RADIO , TV	.00005537	.00099667	.00059937	.00014230	.00027805	.00001595	.00041063	.00134198
124 OTH COMMUNIC	0.	.00001201	0.	.00000742	.00001348	0.	.00000952	.00268851
125 GAS SERVICES	.00981315	.00724599	.00628976	.05155583	.00499307	.00298441	.00728543	.00176505
126 ELEC SERVICES	.01103062	.00734720	.00873779	.03139010	.00619795	.00711605	.00711504	.00468557
127 WATER,SANI SERV	.00114858	.00093663	.00314849	.02727825	.00064878	.00038153	.00112075	.00063687
128 WHL AUT PT,S	.00555297	.00141180	.00013720	.00154921	.00005055	.00005184	.00017462	0.
129 WHL GRO,F,RELP	.00064254	.00039970	.00012998	.00043309	.00180984	.00282621	.00032808	.00194246
130 WHL FM PROD	.00020409	.00053522	.00062825	.00062241	.00019042	.00013825	.00079585	.00005459
131 WHL LIVESTOC	.00000386	.00002402	0.	.00002970	0.	0.	.00004233	0.
132 WHL MAC,EQ,S	.01876036	.00284590	.02763596	.00827442	.00184354	.00424464	.00287014	.00175140
133 WHL PET,PETP	.00067601	.00814488	.00049827	.00088761	.00016346	.00126289	.00087840	.00003639
134 GEN WHL	.06004679	.01800862	.00697579	.02882994	.03051286	.03110564	.00962747	.04267050
135 LUMBER YARDS	.00107132	.00012351	0.	.00073006	.00005561	.00095714	.00000952	0.
136 FARM EQ DEAL	.00059489	.00007719	0.	.00055806	.00018368	.00101829	0.	0.
137 HDW,HT,E,P,W	.00097346	.00039798	.00010110	.00052465	.00014155	.00024726	.00002328	.00014557
138 DEPT,VAR STO	.00272530	.00222663	.00030330	.00175338	.00485995	.00623336	.00051434	.00559993
139 FOOD STORES	.00020731	.00014410	.00006499	.00012374	.00250412	.00308278	.00030585	.00292507
140 AUTO DEAL,RP	.00428786	.00335367	.00057048	.00075481	.00157392	.00002393	.00055032	.00086888
141 GAS SER STAT	.00038501	.00095550	.00008666	.00031182	.00018874	.00024327	.00013758	.00103264
142 APPRL ACC ST	0.	.00092119	0.	0.	.00016177	.00019143	.00002011	.00019106
143 FURN,HM F,EQ	.00515380	.00085772	0.	.00362431	.00019716	.00020605	.00001799	.00018651
144 EAT,DRINK PL	.00032191	.00055409	.00032496	.00018561	.00066900	.00068462	.00070589	.00796091
145 OTHER RETAIL	.00169132	.00117850	.00022386	.00101342	.00574128	.00738059	.00092497	.00613218
146 BANK,CRD AGE	.01010866	.00759251	.02055907	.00215430	.00292035	.00601401	.01035877	.00895262
147 INSURANCE CA	.00666550	.02331274	.00560374	.00189816	.00365844	.00529483	.00594031	.00429434
148 F.I.R.E. NEC	.00147242	.00927020	.00181255	.00428013	.00903573	.00185977	.00154514	.01196867
149 LEGAL SERVIC	.00045132	.00108415	.00098932	.00092186	.00019885	.00015952	.00161181	.00267942
150 LODGING SERV	.00040175	.00064329	.00018775	.00022892	.00060160	.00061283	.00094719	.00476745

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 41 *	SECTOR 42 *	SECTOR 43 *	SECTOR 44 *	SECTOR 45 *	SECTOR 46 *	SECTOR 47 *	SECTOR 48 *
151 PERSONAL SER	-.00018606	-.00016983	-.00007221	-.00026975	-.00018031	-.00010768	-.00009419	-.00005459
152 ADVERTISING	-.00006116	-.00027618	-.00126373	-.00016457	-.00032355	-.00001728	-.000458144	-.01039468
153 DUPL. ADDRESS	0.	0.	0.	0.	0.	0.	0.	0.
154 PRI EML AGE	-.00004120	-.00006176	-.00007221	-.00006558	-.00003370	0.	-.00010160	0.
155 PHOTO SERVIC	-.00009142	-.00013695	-.00015887	-.00014477	-.00007415	-.00001595	-.00039898	-.04891641
156 RESRCH, DEVEL	-.00002897	-.00015610	-.00022386	-.00019674	-.00005561	0.	-.00028257	0.
157 OTHER BUS SE	-.00078031	-.00078567	-.00162480	-.00161727	-.00040443	-.00006913	-.00908773	-.00119641
158 MTN PCT, AM, R	0.	0.	0.	-.00000866	0.	0.	-.00001164	0.
159 AUTO RENT SE	-.00094127	-.00204994	-.00729352	-.00056920	-.00187051	-.00135860	-.00295058	-.00021381
160 AUTO PARKING	0.	0.	0.	0.	0.	0.	0.	0.
161 ELEC REP SHP	-.00005859	-.00005489	-.00053438	-.00008538	-.00005729	-.00003323	-.00006244	0.
162 MISC REP SER	-.00072494	-.00067245	-.00028885	-.00106094	-.00070944	-.00042274	-.00121600	-.00475380
163 PHYS, DENT SE	-.00000451	0.	-.00007943	-.00000990	-.00001180	0.	-.00001587	0.
164 HOSP, LAB SER	0.	0.	0.	-.00000742	0.	0.	-.00000952	0.
165 OTH MED SERV	-.00000386	0.	0.	-.00000990	-.00001011	0.	-.00001376	0.
166 ED(PUB, PRI)	-.00014872	-.00080797	-.00151648	-.00102580	-.00029153	-.00003323	-.00258758	-.00139202
167 COLL, UNIV	-.00007082	-.00038597	-.00077990	-.00048877	-.00013650	-.00001728	-.00091650	-.00079154
168 OTH ED SERV	0.	0.	0.	0.	0.	0.	-.00003704	0.
169 ENG, ARCH SER	-.00031225	-.00047174	-.00055604	-.00049619	-.00025277	-.00005450	-.00071119	-.00005004
170 COMPU, ACCT SER	-.00049961	-.00345831	-.00640530	-.00037740	-.00037916	-.00075242	-.00080008	-.00933929
171 OTH PROF SER	0.	0.	0.	0.	0.	0.	-.00002328	-.00051405
172 OTHER SERVIC	-.00073975	-.00020242	-.00049105	-.00018190	-.00009942	-.00000665	-.00026035	-.00186968
173 ORD, ORD ACCS	0.	0.	0.	0.	0.	0.	0.	0.
174 OUTDOOR REC	-.00000837	-.00004117	-.00005777	-.00005321	-.00001517	0.	-.00012488	0.
175 SCRAP	-.00004957	-.00026761	-.00038273	-.00057167	-.00048701	-.00001063	-.00048788	-.00003639
176 HOUSEHOLDS	-.12950306	-.25380011	-.16549802	-.20901364	-.24001975	-.19615736	-.24481956	-.21407581
177 PROP PAY	-.02601238	-.02616036	-.07110103	-.09639388	-.02339987	-.00508745	-.09148587	-.05539432
178 FEDERAL GOVT	-.03313886	-.04183943	-.07814903	-.00804179	-.03036119	-.02208728	-.07639433	-.09489865
179 STATE GOVT	-.00178596	-.00294540	-.00072935	-.00422816	-.00043308	-.00001329	-.00026775	-.00094166
180 LOCAL GOVT	-.00261585	-.00282189	-.00150925	-.01090388	-.00477064	-.00252977	-.00266060	-.00094166
181 DEPRECIATION	-.03177073	-.01277655	-.01741780	-.06730409	-.02305105	-.03304118	-.01380675	-.01251001
182 IMPORTS	-.31194446	-.22762431	-.39390088	-.25070377	-.36748142	-.41414011	-.28370515	-.11813997
TOTAL DIRECT REQ	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 49 *	SECTOR 50 *	SECTOR 51 *	SECTOR 52 *	SECTOR 53 *	SECTOR 54 *	SECTOR 55 *	SECTOR 56 *
1 IRR COTTON	.00001916	.00010146	0.	.00001795	.00002781	.00045190	.00015678	.00011050
2 IRR FOOD GRAIN	.00002755	.00014694	0.	.00002624	.00003973	.00064384	.00022973	.00015776
3 IRR FEED GRAIN	0.	.00002449	0.	0.	.00000624	.00009738	.00003375	.00002395
4 OTHER IRR CROP	.00002635	.00013645	0.	.00002486	.00003746	.00060399	.00020904	.00014786
5 DRYLAND COTTON	.00001198	.00006647	0.	.00001105	.00001703	.00027629	.00009581	.00006770
6 DRY FOOD GRAIN	.00001078	.00005598	0.	.00000967	.00001476	.00024235	.00008384	.00005940
7 DRY FEED GRAIN	.00002276	.00012245	0.	.00002072	.00003235	.00052246	.00018182	.00012774
8 OTHER DRY CROP	.00001078	.00005598	0.	.00000967	.00001476	.00024053	.00008384	.00005876
9 RANGE LIVESTOCK	.00005869	.00030438	0.	.00005386	.00008230	.00133425	.00046273	.00032638
10 FEEDLOT LVSTK	.00020962	.00110557	.00013844	.00019335	.00029740	.00482772	.00167453	.00118131
11 DAIRY	.00004552	.00023791	0.	.00004143	.00006413	.00104204	.00036147	.00025517
12 POULTRY,EGGS	.00002156	.00011196	0.	.00001933	.00003065	.00049672	.00017203	.00012168
13 AG SUP EX FMC	0.	0.	0.	0.	0.	.00000114	0.	0.
14 COTTON GINNING	0.	0.	0.	0.	0.	0.	0.	0.
15 AGRI SERVICES	0.	0.	0.	0.	0.	0.	0.	0.
16 PRIM FORESTRY	.00002396	.00012945	0.	.00002210	.00003405	.00055560	.00019271	.00013605
17 FISHERIES	.00001318	.00006997	0.	.00001243	.00001873	.00030579	.00010670	.00007473
18 CRUDE PETRO	.00100496	.00527945	.00065963	.00092392	.00142060	.05156476	.00907927	.00563987
19 NATRL GAS LQDS.	.00016290	.00081868	.00009772	.01212976	.00463924	.01974092	.00123031	.00085716
20 OIL,GAS FLDSV	.00004312	.00023091	0.	.00004005	.00006130	.00099425	.00034514	.00024335
21 LIGNITE,OTH MINE	.00008864	.00032188	0.	.00005662	.00078267	.00155234	.03679396	.00577432
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	0.	0.	0.	0.	0.	0.	0.	0.
24 INDUS CONS	0.	0.	0.	0.	0.	0.	0.	0.
25 FACILITY CONS	0.	0.	0.	0.	0.	0.	0.	0.
26 MAINTEN,REPR	.00245431	.00420887	.00315157	.00051099	.00823020	.04059229	.00301045	.00256828
27 MEAT PRODUCTS	.00001318	.00007347	0.	.00001243	.00001986	.00032145	.00011105	.00007856
28 POULTRY PROD	0.	0.	0.	0.	0.	.00001895	.00000653	.00000479
29 DAIRIES	0.	.00002449	0.	0.	.00000681	.00010760	.00003811	.00002619
30 OTH GRAIN MIL	.00003474	.00018543	0.	.00003176	.00004995	.00081071	.00028090	.00019832
31 ANIMAL FEEDS	0.	.00003149	0.	0.	.00000795	.00012648	.00004464	.00003098
32 BAKERY PROD	0.	0.	0.	0.	0.	.00001196	0.	.00000287
33 CNND,PSVP,PCK	0.	0.	0.	0.	.00000397	.00006378	.00002178	.00001565
34 OTH FOOD PROD	.00001437	.00006997	0.	.00001243	.00001930	.00031527	.00010888	.00007728
35 BEVERAGES	.00002276	.00011895	0.	.00002072	.00003178	.00052784	.00017856	.00014786
36 TEXTILE MILL	.00002635	.00014344	.00872178	.00001657	.00002043	.00030989	.00010670	.00007569
37 MBWHC FURN	0.	0.	0.	.00003038	0.	.00002379	.00000871	.00000575
38 RELATED APPRL	0.	0.	0.	0.	.00000397	.00006324	.00015352	.00001565
39 LOGGING	.00002515	.00012945	0.	.00002348	.00003519	.00056998	.00019816	.00013956
40 LUMBER MILLS	.00002635	.00003149	0.	0.	.00000851	.00014113	.00004899	.00003449
41 MILLWORK,WOOD	.00008145	.00150442	0.	.00003729	.00028719	.00077617	.00027219	.00019225
42 WOOD FURN,FIX	.00001797	.00005948	0.	0.	.00000454	.00004980	.00005117	.00001533
43 MET FURN,FIXT	0.	0.	0.	0.	0.	.00000712	0.	.00000160
44 PAPER,PAP MIL	.08158164	.06848246	.00647415	.00007043	.00013167	.00140018	.00120745	.01002945
45 PAP EX BOX,CT	.00617231	.01194437	.01966676	.00002348	.00010500	.00055499	.01446542	.00014148
46 BOXES,PAP CNT	.00102413	.01118167	0.	.00014225	.00018275	.00116113	.00261850	.00029125
47 NEWSPAPERS	.00008984	0.	0.	0.	.00000795	.00004066	.00014916	.00004567
48 PUBLISHING	.00018446	.00026240	.01815206	.00009805	.00002100	.00021573	.00072621	.00006004
49 PRINTING	.00871047	.00638852	.00217434	.00009805	.00003122	.00033543	.00034079	.00008942
50 MANFLD BUS FM	.00099538	.00020992	.00054562	.00020578	.00008286	.00024792	.00018074	.00020982

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 49 *	SECTOR 50 *	SECTOR 51 *	SECTOR 52 *	SECTOR 53 *	SECTOR 54 *	SECTOR 55 *	SECTOR 56 *
51 OTH PRNT,PUBS	.00017488	.00067524	.01751686	.00002624	.00002213	.00010430	.00009581	.00005685
52 CHLOR,ALKALIE	.00005749	.00022041	0.	.01076390	.00008797	.00546026	.00080242	.00036343
53 CYCCRD INT,IG	.00022998	.00047931	.00005701	.00009115	.00019411	.00984993	.00175075	.04748699
54 ORG CHEM	.00057615	.00226012	.00628685	.00090459	.00081558	.17477951	.00773464	.12032815
55 INORG CHEM	.00009103	.00046532	0.	.01143785	.00012203	.00568897	.08211845	.00575995
56 FIBERS,PLASTI	.00012936	.00044083	.00005701	.00008424	.00017708	.00191391	.00161900	.01944158
57 SYN RUBBER	.00001198	.00005248	0.	.00000829	.00001986	.00021546	.00017856	.00005429
58 DRUGS	.00006588	0.	0.	0.	0.	.00002124	.00000762	.00000511
59 AGRIC CHEMICAL	.00004671	.00003149	0.	.00001381	.00000851	.00013838	.00004791	.00003385
60 SPS,CLNS,TOIL	.00004671	.00022741	0.	.00001381	.00001759	.00028086	.00013065	.00007505
61 PAINT+VARNISH	.00000958	.00250503	0.	.00013534	.00019013	.00041104	.00007077	.00004950
62 OTH CHEMICALS	.01040178	.00489810	.00817616	.00004419	.00006754	.00691475	.00038651	.00026922
63 PETRO REFING	.00121458	.00716172	.00794000	.03935439	.50185025	.07628891	.00846194	.01528768
64 OTH PETRO PRO	0.	.00002449	0.	0.	.00000341	.00005793	.00002069	.00001405
65 TIRES	.00007426	.00006298	.00024431	.00004419	.00002384	.00012521	.00004137	.00002619
66 FAB RUBBER PR	.00001677	.00009096	0.	.00001381	.00002157	.00034309	.00011976	.00008399
67 PLASTIC PRODS	.00007307	.00034637	0.	.00004419	.00010103	.00110709	.02881108	.00029573
68 LEATHER,L PRD	.00008864	.00034637	0.	0.	.00000795	.00006889	.00005662	.00001725
69 GLASS	.00002995	.00012945	0.	.00002348	.00005278	.00057247	.00065544	.00014307
70 CLAY	0.	0.	0.	0.	0.	.00001257	.00001089	.00000319
71 CUT ST,CL,SH	.00004432	.00006647	0.	.00001105	.00002838	.00027709	.00022973	.00006962
72 CEMENT,CONCRT	.00001437	.00006298	0.	.00001105	.00002497	.00027037	.00022429	.00006770
73 BLAST FURNACE	.00003593	.00015394	0.	.00004143	.00625792	.00067670	.00075016	.00016926
74 PRI STEEL,IRO	.00003354	.00005248	0.	.00000967	.00002043	.00023052	.00017965	.00005461
75 FOUNDRIES	.00003234	.00013645	0.	.00002348	.00005562	.00060271	.00049975	.00015138
76 NONFER SMELTG	.00006708	.00029389	.00331444	.00010220	.00011862	.00484700	.00107244	.00032127
77 AL SMLT ROL DR	.00010181	.00032188	0.	.00007734	.00012940	.00159474	.00115628	.00035034
78 CAST,FORGINGS	.00000958	.00004198	0.	0.	.00006924	.00019046	.00015787	.00004790
79 FABRI STEEL	.00006348	.00010496	0.	.00001795	.00004313	.00053402	.00038434	.00020822
80 PLATE WORK	.00000958	.00004198	0.	.01335613	.00001816	.00019443	.00016114	.00004886
81 SH MET,ARCH	.00003713	.00016444	0.	.00002762	.00006584	.00071152	.00059011	.00017884
82 METAL DOORS	0.	0.	0.	0.	0.	.00001001	.00000871	.00000255
83 FAB MET PROD	.00020363	.00027989	.00043975	.00045298	.00038310	.00114332	.00097118	.00028998
84 PLUMBING	.00013296	0.	.00007329	.00001519	.00000681	.00008024	.00010017	.00001565
85 BOLTS,NUTS,SC	.00009702	.00040584	0.	.00003038	.00006981	.00075500	.00062387	.00018906
86 ELCTPLT,CT,EN	.00006229	.00004198	0.	.00000829	.00003519	.00019745	.00016440	.00004982
87 VALVE,PIPE FT	.00021680	.00020992	0.	.00004696	.00056699	.00075661	.00070117	.00018938
88 OTH FAB MET P	.00002396	.00004198	0.	.00000967	.00011749	.00039840	.00014698	.00004439
89 FM,CONS,IND M	0.	0.	0.	0.	0.	.00001257	0.	.00000287
90 MTL HDL MC,EQ	0.	.00002449	0.	0.	.00000624	.00009866	.00003484	.00002395
91 MIN MACH,EQUP	.00002156	.00011196	0.	.00001933	.00003008	.00048678	.00016876	.00011912
92 ENGINES	.00003474	.00011196	0.	.00001381	.00001986	.00032588	.00011650	.00007984
93 METAL WK MACH	.00000838	.00005248	0.	.00000829	.00001305	.00023374	.00007404	.00005237
94 IND PROC MACH	.00806366	.00013295	.00021173	.00000967	.00016062	.00027205	.00081222	.00005844
95 GEN IND MACH	.00159668	.00111607	0.	.00003176	.00005165	.00515353	.00027655	.00020567
96 REFRIG MACH	0.	0.	0.	0.	.00000454	.00006613	.00002286	.00001629
97 COMPU,ACCT MACH	.00007426	.00254701	0.	.00026654	.00011521	.00124507	.00103869	.00031297
98 ELEC INST,AP	.00001557	.00006647	0.	.00001519	.00003008	.00028643	.00024497	.00007281
99 ELEC HSLD EQ	0.	0.	0.	0.	0.	.00000175	0.	0.
100 ELEC COMM EQ	.00004671	.00037785	0.	.00001657	.00003859	.00041776	.00034732	.00010507

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 49 *	* SECTOR 50 *	* SECTOR 51 *	* SECTOR 52 *	* SECTOR 53 *	* SECTOR 54 *	* SECTOR 55 *	* SECTOR 56 *
101 OTH ELEC APP	.00002875	.00010146	0.	.00003453	.00004030	.00043657	.00035821	.00010794
102 AIRCRAFT	0.	0.	0.	0.	0.	.00003307	.00001198	.00000798
103 AIRCRAFT ENG	0.	0.	0.	0.	0.	.00000060	0.	0.
104 OTH AIRCRAFT	0.	0.	0.	0.	0.	.00002440	.00000871	.00000607
105 MOTOR VHCL,P	.00000958	.00012595	.00008144	.00173598	.00000681	.00008676	.00003266	.00001597
106 SHIP,BT BLDG	0.	0.	0.	0.	0.	.00000827	0.	.00000224
107 OTH TRANS EQ	0.	.00002099	0.	0.	.00000511	.00008367	.00002940	.00002044
108 SCIENTIF INS	0.	.00003849	0.	0.	0.	.00002816	.00002286	.00000703
109 MECH MSRG DV	0.	0.	0.	0.	.00000795	.00008186	.00006750	.00002044
110 MEDICAL INST	0.	0.	0.	.00281872	.00001589	.00005397	.00004464	.00009740
111 PHO,TH,OPT I	.00110318	.00086067	.01467475	0.	.00000738	.00001378	.00001198	.00000351
112 GAMES,TOYS	0.	0.	0.	0.	0.	.00000255	0.	0.
113 OTH MFG IND	.00694131	.01118167	.00421023	.00023064	.00003632	.00033146	.00092110	.00062019
114 RAIL TRANS	.00261841	.01217878	.00008958	.00311979	.05296250	.00566303	.00618531	.00614350
115 INTERCTY HGV	0.	0.	0.	0.	0.	.00000087	0.	0.
116 MOTOR FRT STR	.00516376	.05360623	.00738623	.00542062	.00762802	.00501919	.00792844	.01932980
117 WATER TRANS	.00012817	.00096213	0.	.00205362	.00191665	.00224591	.00332838	.00248493
118 AIR TRANS	.00170688	.00660544	.00126226	.00063114	.00140698	.00040915	.00299630	.00143073
119 PIPELINE TRN	.00016290	.00058427	.00004886	.00262814	.00164195	.00212568	.00295928	.00317985
120 LOC,SUB TRAN	.00003833	0.	0.	0.	0.	.00000081	0.	0.
121 OTH TRAN SER	.00025034	.00042683	.00178345	.00034664	.00021454	.00023569	.00074799	.00570502
122 TELEP,TELEGR	.00489545	.01143707	.00573309	.00164621	.00108291	.00102752	.00330660	.00199184
123 RADIO , TV	.00022998	.00004548	0.	.00022097	.00015778	.00015888	.00040393	.00038259
124 OTH COMMUNIC	.00001078	0.	0.	.00001105	.00000795	.00000793	.00002069	.00001916
125 GAS SERVICES	.00490024	.00253652	.00178345	.09019082	.02532626	.04844369	.00900741	.01910497
126 ELEC SERVICES	.01087132	.00728418	.00679990	.027021891	.00633795	.02492005	.01565763	.02227812
127 WATER,SAN- SERV	.00192129	.00053879	.00100166	.00752534	.00065780	.00151195	.00144589	.00685503
128 WHL AUT PT,S	.00006588	.00011895	0.	.00077891	.01849340	.00064794	.00032554	.00026315
129 WHL GRO,RELP	.00084446	.00017493	0.	.00033007	.00016857	.00183837	.00152428	.00130841
130 WHL FM PROD	.00007666	.00025540	0.	.00108827	.00112264	.00110965	.00147637	.00152334
131 WHL LIVESTOC	0.	0.	0.	.00005662	.00003519	.00003844	.00006315	.00006834
132 WHL HAC,EQ,S	.00552550	.00179830	.00404736	.00351063	.00638563	.00302718	.00748966	.00559675
133 WHL PET,PETP	.00045517	.00083268	.00065963	.00193485	.02303161	.00106099	.00154061	.00082937
134 GEN WHL	.02529775	.01960990	.01128701	.00722979	.01491436	.02125495	.01970895	.01735744
135 LUMBER YARDS	0.	0.	0.	.00000967	.00002554	.00000793	.00012412	.00001182
136 FARM EQ DEAL	.00048511	0.	0.	.00001105	.00041829	.00012796	.00010234	.00007856
137 HDW,HT,E,P,W	.00012098	.00002449	0.	.00001243	.00016005	.00000974	.00001524	.00001597
138 DEPT,VAR STO	.00279090	.00025190	.00004886	.00006077	.00075883	.00062818	.00047470	.00041197
139 FOOD STORES	.00123973	.00011895	0.	.00008839	.00001930	.00053927	.00042135	.00036215
140 AUTO DEAL,RP	.00077498	.00018543	.00367276	.00277039	.00050853	.00014705	.00082856	.00055025
141 GAS SER STAT	.00004192	.00032537	.00089579	.00022787	.00841579	.00024120	.00018836	.00053461
142 APPRL ACC ST	.00020842	0.	.00006515	0.	0.	.00000323	0.	.00000766
143 FURN,HH F,EQ	.00009942	.00009796	.00006515	0.	.00006073	.00000108	0.	.00000192
144 EAT,DRINK PL	.00047194	.00027289	.00278511	.00024721	.00037062	.00019490	.00058903	.00086961
145 OTHER RETAIL	.00294781	.00046182	.00037461	.00077201	.00035359	.00449854	.00355702	.00397186
146 BANK,CRD AGE	.00246030	.00111607	.01112414	.00768968	.00836187	.00386794	.01127206	.00879034
147 INSURANCE CA	.00432290	.01192688	.01181635	.00320956	.00327539	.00216970	.00418088	.00345386
148 F.I.R.E. NEC	.00182906	.00050031	.01425942	.02024342	.00231451	.00427413	.00718154	.00298313
149 LEGAL SERVIC	.00197519	.00067874	.00157171	.00190447	.00061864	.00075050	.00341221	.00016219
150 LODGING SERV	.00048152	.00027289	.00127854	.00091978	.00040978	.00018658	.00078718	.00050586

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 49 *	SECTOR 50 *	SECTOR 51 *	SECTOR 52 *	SECTOR 53 *	SECTOR 54 *	SECTOR 55 *	SECTOR 56 *
151 PERSONAL SER	.00160267	.00015394	.00021988	.00016711	.00020886	.00039665	.00013827	.00016096
152 ADVERTISING	.00085524	.00025540	.00042347	.00030383	.00018446	.00025834	.00057705	.00044231
153 DUPL, ADDRESS	.00134274	.00002449	0.	0.	0.	.00000383	0.	.00001182
154 PRI EEMPL AGE	.00000838	.00002799	0.	.00012429	.00007719	.00008461	.00013936	.00015010
155 PHOTO SERVIC	.00036413	.00006298	.00550507	.00027621	.00017140	.00018798	.00031030	.00033341
156 RESRCH, DEVEL	.00002276	.00025890	0.	.00037426	.00023213	.00181075	.00043660	.00045221
157 OTHER BUS SE	.00145055	.00398845	.00087136	.00155506	.00183890	.00103270	.00179103	.00163639
158 MTN PCT, AM, R	.00002276	.00016793	0.	.00001657	.00001022	.00001102	.00001851	.00001948
159 AUTO RENT SE	.00226506	.00060177	.00054562	.00107446	.00059310	.00176928	.00367569	.00302209
160 AUTO PARKING	0.	0.	0.	0.	0.	0.	0.	0.
161 ELEC REP SHP	.00007906	0.	0.	.00005800	.00003916	.00012547	.00158307	.00004695
162 MISC REP SER	.00052823	.00060177	.00172644	.00685967	.00048299	.00174441	.00146331	.00118546
163 PHYS, DENT SE	.00000838	0.	0.	.00001795	.00001192	.00001263	.00002069	.00002236
164 HOSP, LAB SER	0.	.00004548	0.	.00001243	.00000908	.00000968	.00002831	.00001725
165 OTH MED SERV	0.	0.	0.	.00001795	.00001078	.00001196	.00001960	.00002108
166 ED(PUB, PRI)	.00063244	.00093414	.00119711	.00297616	.00182584	.00293041	.00323910	.00420978
167 COLL, UNIV	.00074863	.00074521	.00035832	.00127333	.00059594	.00114728	.00120963	.00138857
168 OTH ED SERV	.00001318	0.	0.	0.	0.	.00000181	0.	.00000319
169 ENG, ARCH SER	.00005869	.00081169	0.	.00094049	.00058402	.00079680	.00117914	.00159583
170 COMPU, ACCT SERV	.00200873	.00142395	.00735366	.00428954	.00063226	.00065271	.00187813	.00137548
171 OTH PROF SER	.00001078	0.	0.	.00001105	.00000624	.00002171	.00001198	.00004822
172 OTHER SERVIC	.00023717	.00030088	.00171830	.00034526	.00023384	.00040116	.00060318	.00050491
173 ORD, ORD ACCS	0.	0.	0.	0.	0.	0.	0.	0.
174 OUTDOOR REC	.00004552	.00002449	0.	.00015882	.00006130	.00012279	.00014481	.00017118
175 SCRAP	.00004073	.00014344	0.	.00064495	.00040070	.00044000	.00072839	.00078083
176 HOUSEHOLDS	.32156525	.26371731	.42397961	.08343749	.08552913	.06525165	.07956419	.07657542
177 PROP PAY	.08379040	.10177906	.06212743	.15829866	.05447732	.11476997	.03550268	.04379552
178 FEDERAL GOVT	.02816530	.04022391	.04542493	.05160844	.03890175	.07620551	.02913009	.03489756
179 STATE GOVT	.00911533	.00245255	.00839604	.00449255	.00026675	.00082893	.00041156	.00032766
180 LOCAL GOVT	.00272861	.00122103	.00231278	.00864537	.00164195	.00738862	.00235066	.00192733
181 DEPRECIATION	.02514443	.01901163	.01997622	.05908406	.03155524	.04887368	.01663208	.02247165
182 IMPORTS	.29598602	.27171171	.20495782	.07843395	.06055589	.09241129	.47625062	.41887644
TOTAL DIRECT REQ	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 57 *	* SECTOR 58 *	* SECTOR 59 *	* SECTOR 60 *	* SECTOR 61 *	* SECTOR 62 *	* SECTOR 63 *	* SECTOR 64 *
1 IRR COTTON	.00056261	.00002943	.00007452	.00004068	.00013833	.00001562	0.	.00010484
2 IRR FOOD GRAIN	.00080172	.00004205	.00010657	.00005837	.00019674	.00002205	0.	.00014978
3 IRR FEED GRAIN	.00012096	0.	.00001603	0.	.00002920	0.	0.	.00002354
4 OTHER IRR CROP	.00075202	.00015557	.00010016	.00005483	.00018444	.00002114	0.	.00014122
5 DRYLAND COTTON	.00034413	0.	.00004567	.00002476	.00008453	.00000919	0.	.00006419
6 DRY FOOD GRAIN	.00030099	0.	.00004006	.00002299	.00007378	.00000827	0.	.00005563
7 DRY FEED GRAIN	.00064981	.00003364	.00008654	.00004776	.00015985	.00001746	0.	.00012196
8 OTHER DRY CROP	.00029912	.00002523	.00004006	.00002299	.00007378	.00000827	0.	.00005563
9 RANGE LIVESTOCK	.00166157	.00008830	.00022116	.00012204	.00040730	.00004595	0.	.00031025
10 FEEDLCT LVSTK	.00601240	.00031534	.00079969	.00044042	.00147398	.00016633	0.	.00112118
11 DAIRY	.00129775	.00006727	.00017228	.00009551	.00031816	.00003584	0.	.00024178
12 POULTRY,EGGS	.00061887	.00002943	.00008173	.00004599	.00015216	.00001746	0.	.00011554
13 AG SUP EX FMC	0.	0.	0.	0.	0.	0.	0.	0.
14 COTTON GINNING	0.	0.	0.	0.	0.	0.	0.	0.
15 AGRI SERVICES	0.	0.	.00001042	0.	0.	0.	0.	0.
16 PRIM FORESTRY	.00069201	.00003784	.00009215	.00005129	.00016907	.00089414	0.	.00012838
17 FISHERIES	.00038070	0.	.00005048	.00002830	.00009376	.00001011	0.	.00007061
18 CRUDE PETRO	.02869579	.00150942	.00577733	.00210303	.00765269	.08754589	.16908930	.00535771
19 NATRL GAS LQDS.	.00880574	.00022704	.00058254	.00032014	.00146475	.00012038	.01401733	.00084731
20 OIL,GAS FLOSV	.00123774	.00006307	.00089905	.00009021	.00030279	.00003400	.01067244	.00023108
21 LIGNITE,OTH MINE	.00174315	.00009250	.03652459	.00020341	.00044880	.00004870	0.	.02943744
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	0.	0.	0.	0.	0.	0.	0.	0.
24 INDUS CONS	0.	0.	0.	0.	0.	0.	0.	0.
25 FACILITY CONS	0.	0.	0.	0.	0.	0.	0.	0.
26 MAINTEN,REPR	.01240643	.00316180	.00310181	.00339598	.00235467	.00242879	.01448723	.00283291
27 MEAT PRODUCTS	.00040039	0.	.00005289	.00002830	.00009837	.00001103	0.	.00007489
28 POULTRY PROD	.00002344	0.	0.	0.	0.	0.	0.	0.
29 DAIRIES	.00013409	0.	.00001763	0.	.00003228	0.	0.	.00002568
30 OTH GRAIN MIL	.00100894	.00005466	.00013462	.00007429	.00024746	.00002849	0.	.00018829
31 ANIMAL FEEDS	.00015753	0.	.00002083	.00001238	.00003842	0.	0.	.00002782
32 BAKERY PROD	.00001500	0.	0.	0.	0.	0.	0.	0.
33 CNND,PSVP,PCK	.00007970	0.	.00001042	0.	.00001998	0.	0.	.00001498
34 OTH FOOD PROD	.00039289	.00003364	.00005208	.00002830	.00009529	.00015347	0.	.00007275
35 BEVERAGES	.00063950	.00112261	.00059296	.00076410	.00035658	.00002389	.00000445	.00014978
36 TEXTILE MILL	.00038445	.00005886	.00017308	.00013973	.00010605	.00001011	.00006978	.00007703
37 MBWHC FURN	.00002907	0.	0.	0.	0.	0.	0.	0.
38 RELATED APPRL	.00007970	0.	.00001042	.00001415	.00001998	0.	0.	.00001498
39 LOGGING	.00070982	.00003784	.00009455	.00005129	.00017368	.00002022	0.	.00013266
40 LUMBER MILLS	.00017535	0.	.00002324	.00001415	.00006148	.00000919	.00000948	.00003209
41 MILLWORK,WOOD	.00282241	.00100909	.00148880	.00019279	.00025360	.00003400	.00021690	.00070823
42 WOOD FURN,FIX	.00006189	.00005045	.00006170	.00003891	.00004457	0.	0.	.00001284
43 MET FURN,FIXT	.00000938	0.	.00000801	.00001946	0.	0.	0.	0.
44 PAPER,PAP MIL	.00173846	.00104693	.00111380	.00035198	.00052719	.00007444	.00010508	.00268099
45 PAP EX BOX,CT	.00069013	.00411203	.00096876	.00012204	.00059789	.00007719	0.	.00013266
46 BOXES,PAP CNT	.00154717	.00305669	.00125883	.00037851	.00099290	.00154476	.00258447	.00034021
47 NEWSPAPERS	.00004876	0.	.00011298	.00024409	.00033045	.00000919	.00000250	.00051994
48 PUBLISHING	.00026255	.00034477	.00047196	.00050232	.00013987	.00003216	.00001567	.00022680
49 PRINTING	.00041445	.00199715	.00024439	.00293965	.00090068	.00013233	.00003074	.00023322
50 MANFLD BUS FM	.00018285	.00041625	.00017628	.00105594	.00003996	.00003492	.00015634	.00003423

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 57 *	SECTOR 58 *	SECTOR 59 *	SECTOR 60 *	SECTOR 61 *	SECTOR 62 *	SECTOR 63 *	SECTOR 64 *
51 OTH PRNT,PUBS	.00013128	.00023966	.00012180	.00001592	.00007070	.00003216	.00001728	.00003423
52 CHLOR,ALKALIE	.05062154	.00066852	.02612299	.00017511	.00032892	.00440362	0.	.00022466
53 CYCCRD INT,I6	.05027085	.00147999	.00771887	.00378864	.12875238	.00513419	.00024994	.00050068
54 ORG CHEM	.06866061	.02992360	.00995047	.21333843	.11590619	.04320365	.04873824	.01390779
55 INORG CHEM	.01045325	.00179533	.17120934	.00941501	.00155236	.00022239	.00251090	.00037872
56 FIBERS,PLASTI	.00237889	.02708134	.00144233	.00180588	.03424267	.00009649	.00003016	.00068683
57 SYN RUBBER	.03680484	.00015136	.00015705	.00002122	.00157695	.00001103	0.	.00005135
58 DRUGS	.00002626	.00410782	0.	.00001238	0.	0.	.00003140	0.
59 AGRI CHEMICAL	.00017160	0.	.04754560	.00001415	.00004304	.00000459	0.	.00003209
60 SPS,CLNS,TOIL	.00034975	.00015557	.00016827	.00263012	.00010298	.00003216	.00247958	.00007275
61 PAINT+VARNISH	.00025224	0.	.00003365	.00002122	.00071778	.00000643	.00008556	.00060124
62 OTH CHEMICALS	.01802688	.00007148	.00019311	.00079947	.00290338	.00482634	.00530334	.00546041
63 PETRO REFING	.25724756	.00429702	.00935431	.02076855	.00669361	.31989763	.09167428	.18925078
64 OTH PETRO PRD	.00058792	0.	.00000962	.00002830	.00001691	.00173866	.00007220	.01383076
65 TIRES	.00013503	0.	.00074040	.00001061	.00003228	.00000735	.00005477	.00006419
66 FAB RUBBER PR	.00042758	.00002102	.00005689	.00003537	.00010452	.00007168	0.	.00008987
67 PLASTIC PRODS	.00135401	.00816098	.00079408	.00193677	.00037656	.00005514	.00000245	.00028457
68 LEATHER,L PRD	.00008627	.00004625	.00005048	.00021048	.00002459	0.	.00013535	.00001498
69 GLASS	.00070795	.00218215	.00041507	.00068273	.00019674	.00002849	0.	.00013480
70 CLAY	.00001500	0.	.00000962	0.	0.	0.	0.	0.
71 CUT ST,CL,SH	.00034507	.00019341	.00097437	.00002653	.00009529	.00001378	.00004130	.00269169
72 CEMENT,CONCRT	.00033663	.00018920	.00019712	.00002476	.00009376	.00001378	.00007708	.00197063
73 BLAST FURNACE	.00083735	.00047511	.00049119	.00009374	.00029664	.00003400	.00000150	.01329157
74 PRI STEEL,IRO	.00027005	.00015136	.00015866	.00002299	.00007531	.00001103	.00000732	.00005135
75 FOUNDRIES	.00075014	.00042466	.00046315	.00005660	.00022133	.00003033	0.	.00014336
76 NONFER SMELTG	.00159030	.00090397	.03521848	.00012204	.00044726	.00006433	.00038181	.00030169
77 AL SMLT ROL DR	.00173377	.00098386	.00101604	.00013266	.00009090	.00006984	.00197259	.00032951
78 CAST,FORGINGS	.00023723	.00013034	.00014023	.00001946	.00006609	.00000919	.00000216	.00004493
79 FABRI STEEL	.00057667	.00033216	.00033815	.00004422	.00016138	.00002297	.00001025	.00010912
80 PLATE WORK	.00024192	.00013454	.00014183	.00001946	.00006763	.00000919	0.	.00004707
81 SH MET,ARCH	.00088517	.00050034	.00051844	.00006721	.00024746	.00003584	0.	.00016903
82 METAL DOORS	.00001219	0.	.00000721	0.	0.	0.	.00004159	0.
83 FAB MET PROD	.00142152	.00097125	.00087341	.01554016	.00442654	.00020217	.00292510	.00027602
84 PLUMBING	.00007689	.00004205	.00012580	0.	.00005226	.00000827	.00000524	.00002568
85 BOLTS,NUTS,SC	.00093580	.00056761	.00054809	.00021579	.00030279	.00012773	.00002700	.00018829
86 ELCTPLT,CT,EN	.00024567	.00013875	.00014343	.00001946	.00006763	.00000919	0.	.00004707
87 VALVE,PIPE FT	.00093768	.00052977	.00054889	.00055892	.00030432	.00017552	.00187924	.00086656
88 OTH FAB MET P	.00022035	.00014716	.00015385	.00001592	.00006763	.00001103	.00077781	.00004279
89 FM,CONS,IND M	.00001500	0.	0.	0.	0.	0.	.00001586	0.
90 MTL HDL MC,EQ	.00012284	0.	.00001603	0.	.00039040	0.	.00038265	.00002140
91 MIN MACH,EQU	.00060574	.00002943	.00008013	.00004599	.00070702	.00001654	0.	.00011340
92 ENGINES	.00040602	.00002102	.00005369	.00003007	.00009990	.00001103	.00007913	.00011340
93 METAL WK MACH	.00026724	0.	.00003526	.00001946	.00006609	.00001562	.00000016	.00004921
94 IND PROC MACH	.00029724	0.	.00026603	.00005483	.00007224	.00001930	.00077238	.00005563
95 GEN IND MACH	.00099113	.00005045	.00842881	.00007959	.00026590	.00004043	.00013013	.00020969
96 REFRIG MACH	.00008252	0.	.00001122	0.	.00002152	0.	0.	.00001498
97 COMPU,ACCT MACH	.00154811	.00088295	.00090707	.00012027	.00219944	.00006249	.00005347	.00029313
98 ELEC INST,AP	.00035538	.00026068	.00024680	.00006544	.00011066	.00010292	.00073811	.00007917
99 ELEC HSLD EQ	0.	0.	0.	0.	0.	0.	.00000543	0.
100 ELEC COMM EQ	.00051947	.00031534	.00030449	.00004068	.00014601	.00002114	.00003712	.00009842

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 57 *	* SECTOR 58 *	* SECTOR 59 *	* SECTOR 60 *	* SECTOR 61 *	* SECTOR 62 *	* SECTOR 63 *	* SECTOR 64 *
101 OTH ELEC APP	.00053635	.00030273	.00031331	.00004245	.00014909	.00002205	.00003332	.00010270
102 AIRCRAFT	.00004126	0.	.00000561	0.	.00001076	0.	0.	0.
103 AIRCRAFT ENG	0.	0.	0.	0.	0.	0.	0.	0.
104 OTH AIRCRAFT	.00003094	0.	0.	0.	0.	0.	0.	0.
105 MOTOR VHCL,P	.00008627	0.	.00003846	0.	.00001998	0.	.00002329	.00012410
106 SHIP,BT BLDG	.00001031	0.	0.	0.	0.	0.	0.	0.
107 OTH TRANS EQ	.00010408	0.	.00001362	0.	.00002613	0.	0.	.00001926
108 SCIENTIF INS	.00003563	0.	.00002083	0.	.00001076	0.	0.	0.
109 MECH MSRG DV	.00010127	.00005466	.00005930	0.	.00002920	0.	0.	.00001926
110 MEDICAL INST	.00006751	.00008409	.00004888	0.	.00001844	0.	.00012502	.00001284
111 PHO,TH,OPT I	.00001688	0.	.00000962	0.	0.	0.	.00001486	0.
112 GAMES,TOYS	0.	0.	0.	0.	0.	0.	0.	0.
113 OTH MFG IND	.00041539	.00023966	.00026122	.00006014	.00217638	.00063683	.00002827	.00006847
114 RAIL TRANS	.00967685	.00253112	.00443917	.01031706	.00432049	.01090705	.00213831	.01319528
115 INTERCTY HGY	0.	0.	0.	0.	0.	0.	0.	0.
116 MOTOR FRT STR	.00551918	.02439465	.00727094	.02558307	.00520887	.01209526	.00484491	.03891613
117 WATER TRANS	.00224480	.00098806	.00120354	.00514880	.00177215	.00521690	.01186387	.01009919
118 AIR TRANS	.00079515	.00192147	.00053286	.00142914	.00070394	.00183607	.00043873	.00235363
119 PIPELINE TRN	.00230388	.00126556	.00063703	.00658856	.00226860	.00643543	.01679655	.01132094
120 LOC,SUB TRAN	0.	0.	0.	0.	0.	0.	0.	0.
121 OTH TRAN SER	.00030287	.00016398	.00137983	.00086668	.00029818	.00082154	.00001607	.00129663
122 TELEP,TELEGR	.00129306	.00713508	.00241510	.00714571	.00302865	.00274675	.00051858	.00334429
123 RADIO , TV	.00019410	.00232090	.00053366	.00127172	.00019059	.00053207	.00007913	.00098852
124 OTH COMMUNIC	.00000938	0.	.00003606	.00006367	.00000922	.00002665	0.	.00004065
125 GAS SERVICES	.01005286	.00556259	.00675251	.01850457	.00678429	.01854079	.01210348	.03490855
126 ELEC SERVICES	.00779211	.00762280	.01150819	.01593635	.00856105	.01646212	.00627477	.02227172
127 WATER,SANI SERV	.00110834	.00134545	.00035417	.00251338	.00115736	.00254182	.00225280	.00377222
128 WHL AUT PT,S	.00022035	.00010511	.00009776	.00124342	.00018751	.01294161	.00006501	.00464734
129 WHL GRO,RELP	.00087673	.00054659	.00244234	.00366837	.00137407	.00030509	0.	.00089224
130 WHL FM PROD	.00106427	.00059704	.00078687	.00338714	.00114199	.00283497	0.	.00410173
131 WHL LIVESTOC	.00004970	.00002943	.00001362	.00014150	.00004918	.00013417	0.	.00021183
132 WHL MAC,EQ,S	.00908705	.00178692	.00359781	.01009597	.00450800	.01345807	.00835897	.01457964
133 WHL PET,PETP	.00101269	.00054659	.00105130	.00315720	.00059174	.01588410	.00205836	.00866348
134 GEN WHL	.01032291	.01168858	.03573933	.04972284	.04781586	.02339930	.01215535	.02909723
135 LUMBER YARDS	.00028130	.00016818	.00002003	.00002476	.00000922	0.	.00000377	.00007061
136 FARM EQ DEAL	.00007126	.00004625	.00059296	.00024409	.00007378	.00022606	0.	.00013052
137 HDW,HT,E,P,W	.00001125	0.	.00005369	.00003361	.00001230	.00005606	.00000037	.00037016
138 DEPT,VAR STO	.00023817	.00015136	.00110258	.00120274	.00042267	.00034093	0.	.00093289
139 FOOD STORES	.00021379	.00013454	.00075482	.00104356	.00035658	.00006800	0.	.00016475
140 AUTO DEAL,RP	.00030193	.00012193	.00517957	.00047402	.00242691	.00064878	.00020623	.00117895
141 GAS SER STAT	.00012471	.00031113	.00002965	.00047579	.00015063	.00571405	.00000453	.00196421
142 APPRL ACC ST	0.	0.	0.	.00001238	0.	.00002849	0.	.00001712
143 FURN,HM F,EQ	0.	0.	.00001202	0.	0.	0.	0.	.00013266
144 EAT,DRINK PL	.00033569	.00218635	.00032372	.00067743	.00175832	.00085463	.00004968	.00095215
145 OTHER RETAIL	.00174783	.00111420	.00617798	.00875350	.00306476	.00079489	.00003382	.00154269
146 BANK,CRD AGE	.00463589	.00455771	.00687991	.01122797	.00369647	.01282858	.01021503	.01721356
147 INSURANCE CA	.01566299	.01142790	.00461626	.00618529	.00594202	.00494397	.00239151	.00604454
148 F.I.R.E. NEC	.01867950	.02926349	.00135419	.00467655	.00483845	.00447346	.00513093	.00683835
149 LEGAL SERVIC	.00125274	.00383873	.00285822	.00584038	.00167532	.00208510	.00037156	.00316884
150 LODGING SERV	.00032256	.00275817	.00043831	.00092328	.00107897	.00095204	.00007344	.00166688

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 57 *	SECTOR 58 *	SECTOR 59 *	SECTOR 60 *	SECTOR 61 *	SECTOR 62 *	SECTOR 63 *	SECTOR 64 *
151 PERSONAL SER	.00022879	.00005886	.00006490	.00112492	.00023670	.00029223	.00031637	.00046217
152 ADVERTISING	.00022692	.00113102	.00044712	.00156357	.00071009	.00062305	.00005566	.00109123
153 DUPL, ADDRESS	0.	0.	0.	.00001946	0.	.00001287	.00000021	.00001926
154 PRI EMPL AGE	.00010877	.00005886	.00003045	.00031130	.00010759	.00244809	.00008364	.00046431
155 PHOTO SERVIC	.00024192	.00013454	.00006651	.00069158	.00023823	.00065705	.00107911	.00103346
156 RESRCH, DEVEL	.00032725	.00103431	.00009055	.00093743	.00032584	.00088863	.00005801	.00140148
157 OTHER BUS SE	.00157155	.00094181	.00802576	.00395314	.00104977	.00327055	.00486129	.00528068
158 MTN PCT, AM, R	.00001407	0.	.00000401	.00017334	.00001383	.00004595	0.	.00005991
159 AUTO RENT SE	.00175252	.00520520	.00080370	.00223215	.00258215	.00300222	.00037161	.00482921
160 AUTO PARKING	0.	0.	0.	0.	0.	0.	0.	0.
161 ELEC REP SHP	.00007314	.00323748	.00000962	.00012027	.00007839	.00010752	.00000421	.00015620
162 MISC REP SER	.00126587	.00248487	.00133736	.00132656	.00182134	.00148135	.00039203	.00381715
163 PHYS, DENT SE	.00014534	0.	.00000401	.00004599	.00001691	.00007811	.00000416	.00007061
164 HOSP, LAB SER	.00011252	.00023125	0.	.00003537	.00001076	.00006800	.00001006	.00005349
165 OTH MED SERV	.00013690	0.	.00000401	.00004422	.00001537	.00004135	0.	.00006419
166 ED(PUB, PRI)	.00194850	.00215272	.00142791	.00595535	.00216255	.00510662	.00586991	.00762147
167 COLL, UNIV	.00083453	.00078625	.00045914	.00252399	.00123267	.00232403	.00437175	.00426434
168 OTH ED SERV	0.	0.	0.	0.	0.	.00000643	0.	0.
169 ENG, ARCH SER	.00082422	.00046250	.00022837	.00256998	.00081153	.00224500	.00371358	.00353044
170 COMPU, ACCT SERV	.00383886	.02558874	.00088383	.00269025	.00116197	.00217792	.00088987	.00280081
171 OTH PROF SER	.00005251	0.	0.	.00002653	.00000922	.00002481	.00000053	.00005135
172 OTHER SERVIC	.00030193	.00468805	.00013943	.00092328	.00038579	.00093366	.00021216	.00152344
173 ORD, ORD ACCS	0.	0.	0.	0.	0.	0.	0.	0.
174 OUTDOOR REC	.00008627	.00004625	.00003766	.00026177	.00012142	.00023433	.00023086	.00045361
175 SCRAP	.00056636	.00031113	.00015625	.00161840	.00055639	.00153557	0.	.00266174
176 HOUSEHOLDS	.08799743	.27171742	.10986145	.14165490	.18997696	.14046196	.03719621	.11431561
177 PROP PAY	.04675174	.10462119	.03283944	.10912953	.01973807	.02408116	.04643049	.02991886
178 FEDERAL GOVT	.00541416	.04208729	.03270883	.07413677	.02330235	.00984658	.01265651	.01262399
179 STATE GOVT	.00131463	.00126977	.00106492	.00038735	.00153699	.00016082	.00541785	.00091791
180 LOCAL GOVT	.00440147	.00732008	.00482299	.00146982	.00191356	.00120015	.00097380	.00041723
181 DEPRECIATION	.03832763	.01918525	.01627509	.01951452	.00811993	.02303723	.01696583	.00432639
182 IMPORTS	.09691663	.26995573	.29183698	.12858745	.29656436	.11725840	.38595211	.25401614
TOTAL DIRECT REQ	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 65 *	SECTOR 66 *	SECTOR 67 *	SECTOR 68 *	SECTOR 69 *	SECTOR 70 *	SECTOR 71 *	SECTOR 72 *
1 IRR COTTON	.00001668	.00009919	.00003931	0.	.00010460	.00003814	.00005149	.00003287
2 IRR FOOD GRAIN	.00002145	.00013977	.00005574	0.	.00014864	.00005547	.00007236	.00004624
3 IRR FEED GRAIN	0.	0.	.00000858	0.	.00002202	0.	.00001113	.00000724
4 OTHER IRR CROP	.00002145	.00013075	.00005217	0.	.00014038	.00005201	.00006819	.00004346
5 DRYLAND COTTON	0.	.00005861	.00002430	0.	.00006331	.00002427	.00003062	.00002006
6 DRY FOOD GRAIN	0.	.00004960	.00856155	0.	.00005780	.00002080	.00002783	.00001783
7 DRY FEED GRAIN	.00001907	.00011272	.00004502	0.	.00012111	.00004507	.00005845	.00003789
8 OTHER DRY CROP	0.	.00004960	.00002072	0.	.00005505	.00002080	.00002644	.00001727
9 RANGE LIVESTOCK	.00004528	.00028856	.00011506	.00003118	.00031103	.00011442	.00015030	.00009583
10 FEEDLOT LIVSTK	.00016206	.00103700	.00041736	.00011134	.00112027	.00040912	.00054273	.00034710
11 DAIRY	.00003575	.00022544	.00009005	.00002672	.00024222	.00009015	.00011690	.00007522
12 POULTRY, EGGS	.00001668	.00010821	.00004288	0.	.00011561	.00004161	.00005567	.00003566
13 AG SUP EX FMC	0.	0.	0.	0.	0.	0.	0.	0.
14 COTTON GINNING	0.	0.	0.	0.	0.	0.	0.	0.
15 AGRI SERVICES	0.	0.	0.	0.	0.	0.	0.	0.
16 PRIM FORESTRY	.00001907	.00012174	.00004788	0.	.00012937	.00004854	.00006262	.00004011
17 FISHERIES	0.	.00006312	.00002644	0.	.00007157	.00002427	.00003479	.00002229
18 CRUDE PETRO	.00077931	.00495958	.00199317	.00053445	.00535640	.00195199	.00259260	.00165696
19 NATRL GAS LQDS.	.00230696	.00075295	.00031731	.00008017	.00081474	.00043686	.00039383	.00025183
20 OIL, GAS FLOSV	.00003337	.00021191	.00008576	.00002227	.00023121	.00008321	.00011133	.00007132
21 LIGNITE, OTH MINE	.00004766	.00030208	.00015365	.00003118	.00567844	.08047555	.00707363	.12162173
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM, ED, INST	0.	0.	0.	0.	0.	0.	0.	0.
24 INDUS CONS	0.	0.	0.	0.	0.	0.	0.	0.
25 FACILITY CONS	0.	0.	0.	0.	0.	0.	0.	0.
26 MAINTEN, REPR	.00107722	.01026182	.00624822	.00344719	.00161297	.00340472	.00304209	.00350781
27 MEAT PRODUCTS	0.	.00007214	.00002787	.03017401	.00007432	.00002774	.00003618	.00002284
28 POULTRY PROD	0.	0.	0.	0.	0.	0.	0.	0.
29 DAIRIES	0.	0.	.00000929	0.	.00002477	0.	.00001252	.00000780
30 OTH GRAIN MIL	.00002622	.00017584	.00007004	0.	.00018717	.00006934	.00240612	.00005794
31 ANIMAL FEEDS	0.	.00002705	.00001072	0.	.00002753	0.	.00001392	.00000947
32 BAKERY PROD	0.	0.	0.	0.	0.	0.	0.	0.
33 CNND, PSVP, PCK	0.	0.	.00000500	0.	0.	0.	0.	.00000446
34 OTH FOOD PROD	0.	.00006763	.00002716	0.	.00007432	.00002774	.00003618	.00002284
35 BEVERAGES	.00012393	.00028405	.00039735	.00026722	.00011836	.00017682	.00005845	.00013037
36 TEXTILE MILL	0.	.00190718	.00330885	.00071705	.00024773	.00002427	.00003479	.00002229
37 MBWMC FURN	0.	0.	0.	0.	0.	0.	0.	0.
38 RELATED APPRL	0.	.00004058	.00005360	.00031621	0.	0.	0.	.00000446
39 LOGGING	.00001907	.00012174	.00004931	0.	.00013212	.00004854	.00006401	.00004123
40 LUMBER MILLS	0.	.00003156	.00001215	.00003118	.00003303	.00048193	.00003618	.00001003
41 MILLWORK, WOOD	.00002622	.00214164	.00014365	.01636300	.00026699	.00006588	.00011550	.00126361
42 WOOD FURN, FIX	0.	0.	.00002716	.00016033	.00004955	.00054781	.00001948	.00001170
43 MET FURN, FIXT	0.	.00006763	0.	.00032512	.00020369	0.	0.	0.
44 PAPER, PAP MIL	.00030982	.00067180	.00016580	.00006235	.01182206	.00203174	.00015725	.00012647
45 PAP EX BOX, CT	.00001907	.00029307	.00009362	.00164343	.00015689	.00004854	.01977500	.00004513
46 BOXES, PAP CNT	.00004051	.00276384	.00895032	.00289047	.06001585	.01199280	.01835276	.00033095
47 NEWSPAPERS	0.	0.	.00002072	.00088629	0.	.00047500	.00002087	.00000446
48 PUBLISHING	.00001668	.00015780	.00013150	.00082394	.00050646	.00042646	.00008628	.00006073
49 PRINTING	0.	.00017584	.00074181	.00123368	.00010460	.00033284	.00006541	.00002451
50 MANFLD BUS FM	.00025262	.00035619	.00001143	.00037857	.00045417	.00090492	.00012107	.00002619

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 65 *	SECTOR 66 *	SECTOR 67 *	SECTOR 68 *	SECTOR 69 *	SECTOR 70 *	SECTOR 71 *	SECTOR 72 *
51 OTH PRNT,PUBS	.00021449	.00006763	.00005003	.00005790	.00003303	.00006568	.00007932	.00002451
52 CHLOR,ALKALIE	.00003337	.00045087	.00008790	0.	.00824654	.00007974	.00010716	.00006853
53 CYCCRD INT,I6	.03399428	.00099192	.00968356	.00082839	.00048720	.00017662	.00023518	.00015154
54 ORG CHEM	.04853194	.02051462	.00302870	.00023159	.00372140	.00074197	.00144033	.00118561
55 INORG CHEM	.00023356	.00195227	.00012721	.00003118	.00031929	.00054434	.00014751	.00213332
56 FIBERS,PLASTI	.00094614	.01853530	.15977443	.00703244	.00050096	.00016296	.00021570	.00013817
57 SYN RUBBER	.14639180	.01323757	.00002358	0.	.00005230	0.	.00002366	.00001560
58 DRUGS	0.	0.	0.	0.	0.	0.	0.	0.
59 AGRI CHEMICAL	0.	.00003156	.00001143	0.	.00003303	0.	.00001531	.00001003
60 SPS,CLNS,TOIL	.00003337	.00009017	.00007075	.00005344	.00011561	.00003814	.00003201	.00003454
61 PAINT+VARNISH	0.	.00004509	.00002787	.00002672	.00004679	0.	.00002227	.00001504
62 OTH CHEMICALS	.01903241	.00134810	.01117433	.00002672	.00099641	.00127937	.00098249	.00007912
63 PETRO REFING	.00198284	.00535184	.00367618	.00105553	.00462698	.00400800	.00314925	.00296793
64 OTH PETRO PRD	0.	.00008567	.00000500	0.	0.	.00036405	0.	.00037273
65 TIRES	.00089609	.00002254	.00004074	0.	.00007707	.00005201	.00031868	.00004569
66 FAB RUBBER PR	.00009771	.00016682	.00002930	.00115352	.00009909	.00002774	.00140554	.00002563
67 PLASTIC PRODS	.00003813	.00156001	.00488823	.00002672	.00041838	.00934045	.00143477	.00007856
68 LEATHER,L PRD	0.	.00032463	.00000643	.10494765	.00040737	0.	.00000835	.00000501
69 GLASS	.00001907	.00027052	.00005217	0.	.00560687	.00004854	.00006401	.00004123
70 CLAY	0.	0.	0.	0.	.00274426	.00386238	.00003479	.00009026
71 CUT ST,CL,SH	0.	.00013075	.00002573	0.	.00006331	.00929191	.00811596	.00307045
72 CEMENT,CONCRT	0.	.00012624	.00002501	0.	.00006331	.00015602	.00326197	.08339462
73 BLAST FURNACE	.00002145	.00068532	.00006217	0.	.00043214	.00006934	.00034791	.00011644
74 PRI STEEL,IRO	0.	.00395414	.00002001	0.	.00004955	0.	.00187313	.00055213
75 FOUNDRIES	.00001907	.00028856	.00005574	0.	.00018167	.00005201	.00020039	.00008636
76 NONFER SMELTG	.00004290	.00060868	.00011863	.00003118	.00029727	.00010748	.00033260	.00009249
77 AL SMLT ROL DR	.00004766	.00103249	.00046810	.00099764	.00032204	.00011788	.00039940	.00010084
78 CAST,FORGINGS	0.	.00037422	.00001787	0.	.00004404	0.	.00007376	.00001393
79 FABRI STEEL	.00001668	.00286754	.00004288	0.	.00011010	.00003814	.00005288	.00003343
80 PLATE WORK	0.	.00001787	.00001787	0.	.00004404	0.	.00002227	.00001449
81 SH MET,ARCH	.00002383	.00033815	.00015437	0.	.00016515	.00005894	.00007932	.00005126
82 METAL DOORS	0.	0.	0.	0.	0.	0.	0.	0.
83 FAB MET PROD	.00340086	.00067180	.00012078	.00021823	.00030828	.00010748	.00035347	.00008246
84 PLUMBING	.00001668	.00004058	.00002930	0.	.00008808	.00002774	.00030198	.00000446
85 BOLTS,NUTS,SC	.00002622	.00152845	.00024513	.00077049	.00045141	.00006241	.00011550	.00005460
86 ELCTPLT,CT,EN	0.	.00009468	.00014007	0.	.00004679	0.	.00002227	.00001449
87 VALVE,PIPE FT	.00004051	.00119481	.00018152	0.	.00041288	.00008668	.00124133	.00005460
88 OTH FAB MET P	0.	.00035168	.00001787	.00022269	.00004129	0.	.00001948	.00001281
89 FM,CONS,IND M	0.	0.	0.	0.	0.	0.	0.	0.
90 MTL HDL MC,EQ	0.	0.	.00000858	0.	.00002202	0.	.00001113	.00000724
91 MIN MACH,EQUP	.00001668	.00010370	.00004216	0.	.00011285	.00004161	.00005427	.00003510
92 ENGINES	0.	.00007214	.00002859	0.	.00007707	.00015602	.00003618	.00002340
93 METAL WK MACH	0.	.00012624	.00001858	0.	.00004955	0.	.00002366	.00001560
94 IND PROC MACH	.00795281	.00004960	.00594806	0.	.00106522	.00040565	.00002644	.00001727
95 GEN IND MACH	.00002622	.00051850	.00008647	0.	.00022295	.00214962	.00008906	.00005739
96 REFRIG MACH	0.	0.	.00000572	0.	.00001652	0.	0.	.00000446
97 COMPU,ACCT MACH	.00004290	.02732277	.00083900	.00018260	.00037709	.00010401	.00863365	.00008970
98 ELEC INST,AP	.00051716	.00052301	.00007361	0.	.00006606	.00010401	.00003201	.00002061
99 ELEC HSLD EQ	0.	0.	0.	0.	0.	0.	0.	0.
100 ELEC COMM EQ	.00001430	.00019838	.00013078	0.	.00009634	.00003467	.00004732	.00003064

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 65 *	SECTOR 66 *	SECTOR 67 *	SECTOR 68 *	SECTOR 69 *	SECTOR 70 *	SECTOR 71 *	SECTOR 72 *
101 OTH ELEC APP	.00001430	.00020289	.00004002	0.	.00009909	.00003814	.00004871	.00003733
102 AIRCRAFT	0.	0.	0.	0.	0.	0.	0.	0.
103 AIRCRAFT ENG	0.	0.	0.	0.	0.	0.	0.	0.
104 OTH AIRCRAFT	0.	0.	0.	0.	0.	0.	0.	0.
105 MOTOR VHCL,P	0.	0.	.00002358	0.	.00011010	.00002774	.00030755	.00000446
106 SHIP,BT BLDG	0.	0.	0.	0.	0.	0.	0.	0.
107 OTH TRANS EQ	0.	0.	.00000715	0.	.00001927	0.	.00000974	.00000613
108 SCIENTIF INS	0.	0.	0.	0.	0.	0.	0.	0.
109 MECH MSRG DV	0.	.00003607	.00000715	0.	.00001927	0.	.00000974	.00000613
110 MEDICAL INST	0.	.00002705	.00000500	0.	0.	0.	0.	.00000390
111 PHO,TH,OPT I	0.	0.	0.	0.	0.	0.	0.	0.
112 GAMES,TOYS	0.	0.	0.	0.	0.	0.	0.	0.
113 OTH MFG IND	.00059104	.00015780	.00049025	.00022269	.00024773	.00025657	.00082802	.00002117
114 RAIL TRANS	.00925405	.00048243	.01802857	.00394600	.01435987	.03386346	.02533872	.03962834
115 INTERCTY HGY	.00040991	0.	0.	0.	0.	0.	0.	0.
116 MOTOR FRT STR	.00699237	.01103281	.00787691	.01555687	.04328606	.04074918	.06602151	.07018796
117 WATER TRANS	.00108437	.00032012	.00120062	.00061461	.00029452	.00105054	.00312698	.00311168
118 AIR TRANS	.00049809	.00196129	.00160726	.00085066	.00009083	.00072116	.00085446	.00075382
119 PIPELINE TRN	.00003813	.00041029	.00152936	.00078831	.00037709	.00134178	.00400092	.00259799
120 LOC,SUB TRAN	0.	0.	0.	0.	0.	0.	0.	0.
121 OTH TRAN SER	0.	.00005410	.00355254	.00235157	.00004955	.00043686	.00052603	.00034153
122 TELEP,TELEGR	.00049809	.00314257	.00308802	.00372332	.00160747	.00400454	.00425837	.00221857
123 RADIO , TV	.00001668	.00003607	.00019081	.00006571	.00043765	.00076970	.00034095	.00028526
124 OTH COMMUNIC	0.	0.	.00000929	0.	0.	0.	.00001670	.00001114
125 GAS SERVICES	.01310772	.00404431	.01496128	.00656034	.07963028	.07856170	.03310817	.04422314
126 ELEC SERVICES	.01936130	.00676757	.01197688	.00610161	.03165118	.01478384	.02183182	.02357632
127 WATER,SANI SERV	.00031697	.00153747	.00187025	.00157662	.00136250	.00172316	.00235602	.00158843
128 WHL AUT PT,S	.00007865	.00003156	.00020225	.00040084	.00004129	.00018029	.00092404	.00040282
129 WHL GRO,RELP	.00245949	.00006312	.00088760	.00040084	.000069363	.00011442	.00032147	.00015600
130 WHL FM PROD	.00056244	.00016682	.00077468	.00032067	.00014864	.00053741	.00164768	.00104075
131 WHL LIVESTOC	0.	0.	.00003287	0.	0.	.00002774	.00008767	.00005571
132 WHL MAC,EQ,S	.00229504	.00091527	.00857942	.01111205	.00152765	.00274597	.00931554	.00583168
133 WHL PET,PETP	.00007626	.00034266	.00051812	.00036521	.00010735	.00125857	.00438362	.00100677
134 GEN WHL	.02357722	.00684873	.01895190	.01702215	.02721137	.00373410	.04499265	.01026046
135 LUMBER YARDS	0.	0.	.00001286	.00002672	0.	.00008668	.00004453	.00017216
136 FARM EQ DEAL	.00057912	0.	.00032231	.00013361	0.	0.	.00000974	0.
137 HDW,HT,E,P,W	.00005005	0.	.00005717	.00022269	.00005230	0.	.00008906	.00011867
138 DEPT,VAR STO	.00114871	.00011272	.00060746	.00548699	.00194878	0.	.00013916	.00012369
139 FOOD STORES	.00076740	.00004509	.00033589	.00119805	.00101568	0.	.00002505	.00001727
140 AUTO DEAL,RP	.00081268	.00063122	.00602525	.00175032	.00023947	.00168156	.00108825	.01001420
141 GAS SER STAT	.00017159	.00016231	.00113844	.00010689	.00002753	.00033978	.00021431	.00014319
142 APPRL ACC ST	0.	0.	.00000929	.00216451	.00006881	0.	0.	.00000501
143 FURN,HM F,EQ	.00007150	.00011723	.00002001	.00027168	.00006331	.00021149	.00002505	0.
144 EAT,DRINK PL	.00002860	.00108209	.00034375	.00030731	.00010460	.00063448	.00049403	.00032259
145 OTHER RETAIL	.00628694	.00027052	.00218970	.00574976	.00323421	.00008321	.00059283	.00018274
146 BANK,CRD AGE	.01117016	.00081608	.00959208	.01597998	.00206163	.00952767	.04010526	.01335820
147 INSURANCE CA	.00031459	.00373772	.00382411	.01917330	.00236716	.00606748	.00854737	.00290052
148 F.I.R.E. NEC	.00002383	.00150140	.00242053	.00455171	.00452238	.00334578	.00563330	.00323314
149 LEGAL SERVIC	.00074595	.00289910	.00097336	.00070814	.00050646	.00114762	.00227113	.00145304
150 LODGING SERV	.00009295	.00137516	.00048096	.00030731	.00041288	.00230564	.00038548	.00044628

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 65 *	SECTOR 66 *	SECTOR 67 *	SECTOR 68 *	SECTOR 69 *	SECTOR 70 *	SECTOR 71 *	SECTOR 72 *
151 PERSONAL SER	0.	.00016231	.00075325	.00007126	.00001376	.00167116	.00020874	.00015600
152 ADVERTISING	.00006435	.00138417	.00034303	.00103326	.00031929	.00161915	.00053856	.00042343
153 DUPL. ADDRESS	0.	0.	0.	0.	0.	.00035711	0.	.00000501
154 PRI EMBL AGE	0.	.00032914	.00062747	.00003563	.00001652	.00006241	.00018926	.00012313
155 PHOTO SERVIC	0.	.00020368	.00008017	.00004129	.00004129	.00014215	.00042027	.00027245
156 RESRCH, DEVEL	0.	.0005861	.00023155	.00011134	.00009634	.00019069	.00056917	.00041953
157 OTHER BUS SE	.00011201	.00090625	.00016782	.00071260	.00230661	.00150127	.00227670	.00201688
158 MTR PCT, AMR	0.	.00085665	.0000929	0.	0.	0.	.00002505	.00001616
159 AUTO RENT SE	.00004528	.00265112	.00180379	.00029840	.00011561	.00873370	.00583509	.00180906
160 AUTO PARKING	0.	0.	0.	0.	0.	0.	0.	0.
161 ELEC REP SHP	.00002622	.00005410	.00014793	0.	0.	.00045766	.00096022	.00004067
162 MISC REP SER	.00035272	.00064475	.00150720	.00016924	.00096889	.01966209	.00255642	.01291081
163 PHYS, DENT SE	0.	0.	.00001001	0.	.00021470	.00016989	.00002922	.00001839
164 HOSP, LAB SER	0.	0.	.00000858	0.	0.	0.	.00002227	.00001393
165 OTH MED SERV	0.	0.	.00001001	0.	0.	0.	.00002644	.00001727
166 ED (PUB, PRI)	.00118446	.00183955	.00136785	.00177258	.00197080	.01426031	.00481642	.00392010
167 COLL, UNIV	.00006435	.00044185	.00065891	.00139402	.00067712	.01300520	.00360570	.00184583
168 OTH ED SERV	0.	0.	0.	0.	0.	0.	0.	0.
169 ENG, ARCH SER	.00001430	.00014428	.00148005	.00059680	.00013487	.00048193	.00143198	.00112600
170 COMP, ACCT SERV	.00033365	.00628965	.00097479	.00114906	.00306906	.00495453	.00163934	.00152325
171 OTH PROF SER	.00049094	0.	.00000786	0.	0.	0.	.00003062	.00001170
172 OTHER SERVIC	0.	.00042382	.00022583	.00012470	.00005780	.00028084	.00151687	.00107808
173 ORD, ORD ACCS	0.	0.	0.	0.	0.	0.	0.	0.
174 OUTDOOR REC	0.	0.	.00005717	.00002672	0.	.00126204	.00035069	.00018776
175 SCRAP	0.	.00009919	.00037591	.00019596	.00009083	.00032938	.00098249	.00063794
176 HOUSEHOLDS	.20840086	.23619772	.18759733	.30194940	.28265585	.24034838	.18956726	.17248720
177 PROP PAY	.03843422	.08356891	.01994670	.07729000	.04516328	.04270464	.07044270	.10696369
178 FEDERAL GOVT	.00991659	.01949566	.01184467	.04499601	.02206692	.02579545	.01180655	.02592080
179 STATE GOVT	.00165396	.00778654	.00051312	.00562060	.00128818	.01317856	.00230592	.00608407
180 LOCAL GOVT	.00339371	.00615439	.00160583	.00064134	.00387829	.00166076	.00172005	.00194389
181 DEPRECIATION	.02495710	.01802131	.02098009	.01683509	.02421113	.01719350	.02092727	.04010303
182 IMPORTS	.33695186	.42338577	.38597949	.23578481	.26598936	.238663562	.29945838	.15236521
TOTAL DIRECT REQ	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 73 *	SECTOR 74 *	SECTOR 75 *	SECTOR 76 *	SECTOR 77 *	SECTOR 78 *	SECTOR 79 *	SECTOR 80 *
1 IRR COTTON	.00026975	.00006354	.00036598	.00006825	.00002000	.00006794	.00007140	.00006316
2 IRR FOOD GRAIN	.00038509	.00008578	.00052055	.00009715	.00002880	.00010569	.00009997	.00008975
3 IRR FEED GRAIN	.00005798	0.	.00007956	.00001445	.00000480	0.	.00001571	.00001330
4 OTHER IRR CROP	.00036129	.00008260	.00049100	.00009117	.00002720	.00009059	.00009425	.00008421
5 DRYLAND COTTON	.00016539	.00003812	.00022504	.00004185	.00001280	.00004530	.00004284	.00003878
6 DRY FOOD GRAIN	.00014464	.00003495	.00019549	.00003687	.00001040	0.	.00003713	.00003435
7 DRY FEED GRAIN	.00031186	.00007307	.00042508	.00007871	.00002320	.00008304	.00008140	.00007313
8 OTHER DRY CROP	.00014342	.00003495	.00019549	.00003637	.00001040	0.	.00003713	.00003324
9 RANGE LIVESTOCK	.00079703	.00018108	.00108202	.00020077	.00006001	.00020383	.00020707	.00018616
10 FEEDLOT LVSTK	.00288420	.00065127	.00391664	.00072786	.00021682	.00074737	.00074974	.00067482
11 DAIRY	.00062249	.00013978	.00084561	.00015693	.00004721	.00016608	.00016137	.00014516
12 POULTRY,EGGS	.00029721	.00006672	.00040235	.00007473	.00002240	.00007549	.00007712	.00006981
13 AG SUP EX FMC	0.	0.	0.	0.	0.	0.	0.	0.
14 COTTON GINNING	0.	0.	0.	0.	0.	0.	0.	0.
15 AGR SERVICES	0.	0.	0.	0.	0.	0.	0.	0.
16 PRIM FORESTRY	.00033199	.00007625	.00045008	.00008370	.00002480	.00009059	.00008568	.00007757
17 FISHERIES	.00018247	.00004130	.00024777	.00004633	.00001360	.00004530	.00004713	.00004211
18 CRUDE PETRO	.01376983	.00310385	.01869894	.00347340	.00103611	.00358588	.00357877	.00322009
19 NATRL GAS LQDS.	.00209266	.00047336	.00284144	.00052808	.00015762	.00054354	.00054410	.00048977
20 OIL,GAS FLDSV	.00059381	.00013343	.00080697	.00014996	.00004480	.00015098	.00015423	.00013851
21 LIGNITE,OTH MINE	.05358658	.00018744	.00327334	.00241374	.00006321	.00021893	.00021707	.00019613
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	0.	0.	0.	0.	0.	0.	0.	0.
24 INDUS CONS	0.	0.	0.	0.	0.	0.	0.	0.
25 FACILITY CONS	0.	0.	0.	0.	0.	0.	0.	0.
26 MAINTEN,REPR	.00783910	.00431426	.01713047	.02471431	.00156817	.00467297	.02493288	.00201671
27 MEAT PRODUCTS	.00019224	.00004130	.00026141	.00004832	.00001440	.00004530	.00004998	.00004432
28 POULTRY PROD	.00001160	0.	.00001591	.00000299	0.	0.	0.	0.
29 DAIRIES	.00006408	0.	.00008638	.00001594	.00000480	0.	.00001714	.00001551
30 OTH GRAIN MIL	.00048396	.00011119	.00065694	.00012206	.00003680	.00012834	.00012710	.00011302
31 ANIMAL FEEDS	.00007568	0.	.00010229	.00001893	.00000560	0.	.00001999	.00001773
32 BAKERY PROD	.00000732	0.	0.	0.	0.	0.	0.	0.
33 CNND,PSVP,PCK	.00003784	0.	.00005001	.00000947	0.	0.	.00001000	.00000886
34 OTH FOOD PROD	.00018858	.00004130	.00025687	.00004733	.00001440	.00005284	.00004855	.00004432
35 BEVERAGES	.00030697	.00006989	.00047736	.00054851	.00006961	.00018118	.00035845	.00012965
36 TEXTILE MILL	.00018492	.00004130	.00025687	.00004633	.00026243	.00004530	.00010711	.00006427
37 MBWMC FURN	.00001404	0.	.00001819	.00000349	.00021442	0.	0.	0.
38 RELATED APPRL	.00003784	0.	.00006138	.00000947	0.	0.	.00001000	.00000886
39 LOGGING	.00034054	.00007625	.00046145	.00008619	.00002560	.00009059	.00008854	.00007978
40 LUMBER MILLS	.00008422	.00001906	.00015685	.00002740	.00002880	0.	.00002142	.00015735
41 MILLWORK,WOOD	.00047541	.00065127	.00110930	.00015245	.00004080	.00012079	.00018708	.00013629
42 WOOD FURN,FIX	.00002929	0.	.00004546	.00001644	.00000960	0.	0.	.00005984
43 MET FURN,FIXT	.00000427	0.	0.	.00000648	0.	0.	.00001571	0.
44 PAPER,PAP MIL	.00083609	.00018744	.00113885	.00021024	.00020082	.00022648	.00029561	.00046096
45 PAP EX BOX,CT	.00033260	.00298631	.00045690	.00009515	.00014081	.00008304	.00011282	.00009640
46 BOXES,PAP CNT	.00068718	.00015567	.00136389	.00017785	.00202982	.00017363	.00017994	.00017397
47 NEWSPAPERS	.00002868	.00024145	.00003182	.00000598	0.	0.	.00002428	.00000886
48 PUBLISHING	.00012572	.00003812	.00017503	.00015544	.00028083	.00005284	.00009283	.00020943
49 PRINTING	.00019834	.00004448	.00029778	.00005032	.00007761	.00010569	.00030561	.00019170
50 MANFLD BUS FM	.00006713	.00002224	.00008865	.00004334	.00006561	.00021138	.00020422	.00006759

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 73 *	SECTOR 74 *	SECTOR 75 *	SECTOR 76 *	SECTOR 77 *	SECTOR 78 *	SECTOR 79 *	SECTOR 80 *
51 OTH PRMT,PUBS	.00007995	.00002859	.00007729	.00011259	.00008001	0.	.00003999	.00003767
52 CHLOR,ALKALIE	.00090810	.00013025	.00076833	.00014298	.01405590	.00015098	.00351879	.00014294
53 CYCCRO INT,IG	.00125047	.00028275	.00169804	.00031536	.00025923	.00032462	.00052982	.00031691
54 ORG CHEM	.00561400	.00121358	.00714906	.00132419	.00107371	.00157779	.00140809	.00151586
55 INORG CHEM	.00420241	.00056867	.00115021	.00177605	.00016242	.00020383	.00021850	.00023713
56 FIBERS,PLASTI	.00114123	.00364075	.00155029	.00028796	.01303019	.00030197	.00029847	.00028810
57 SYN RUBBER	.00012877	.00002859	.00017503	.00003238	.00002560	0.	.00003427	.00003324
58 DRUGS	.00001282	0.	.00001591	.00000299	0.	0.	0.	0.
59 AGRIC CHEMICAL	.00008300	.00001906	.00011138	.00002092	.00000640	0.	.00002142	.00001884
60 SPS,CLNS,TOIL	.00016722	.00003812	.00028869	.00004235	.00003200	.00006039	.00007997	.00030916
61 PAINT+VARNISH	.00012389	.00002542	.00269141	.00003587	.00001280	0.	.00030561	.00022383
62 OTH CHEMICALS	.00178996	.00014614	.00097973	.00022718	.00004961	.00017363	.00018137	.00017175
63 PETRO REFING	.01500200	.00295772	.01651444	.00305740	.02545071	.00332921	.00428139	.00512378
64 OTH PETRO PRD	.00004211	0.	.00013639	.00000897	0.	0.	.00000857	.00000776
65 TIRES	.00008239	0.	.00008638	.00001843	.00002640	.00005284	.00003285	.00008532
66 FAB RUBBER PR	.00020506	.00004448	.00435763	.00005181	.00013681	.00005284	.00005427	.00040002
67 PLASTIC PRODS	.00064995	.01013756	.00088198	.00016391	.00013121	.00017363	.00025563	.00016510
68 LEATHER,L PRD	.00004089	0.	.00005683	.00001046	.00000800	0.	.00001000	.00001108
69 GLASS	.00033932	.00007625	.00046145	.00008569	.00006881	.00009059	.00008854	.00008532
70 CLAY	.00006957	0.	0.	0.	0.	0.	.01108620	0.
71 CUT ST,CL,SH	.00238865	.00076882	.00092972	.00011807	.00227304	.00009059	.00456986	.00327771
72 CEMENT,CONCRT	.00021177	.00003495	.00022050	.00004085	.00003280	0.	.00004141	.00004100
73 BLAST FURNACE	.08593467	.02457668	.00925854	.00012405	.00045445	.00015098	.03133640	.12901321
74 PRI STEEL,IRO	.00012938	.00006672	.02025605	.00029344	.00002640	.00210623	.01386667	.00949961
75 FOUNDRIES	.00224035	.00008260	.00601930	.00009067	.00007921	.00433325	.00025134	.00035791
76 NONFER SMELTG	.00077384	.00017155	.00106383	.06031263	.02625079	.00243085	.00019993	.00019281
77 AL SMLT ROL DR	.00083182	.00018744	.00165031	.00560366	.17141504	.03144251	.00053267	.00034240
78 CAST,FORGINGS	.00024411	.00002542	.00032051	.00003986	.00020722	.00062659	.00202216	.00025818
79 FABRI STEEL	.00469613	.00006354	.00480544	.00006975	.00005601	.00007549	.02779476	.00025264
80 PLATE WORK	.00011595	.00002542	.00015685	.00002939	.00002320	0.	.00047841	.00192918
81 SH MET,ARCH	.00042476	.01766051	.00080697	.00010711	.00008561	.00038501	.01886068	.00094187
82 METAL DOORS	.00000610	0.	0.	0.	.00001120	0.	0.	0.
83 FAB MET PROD	.00068413	.00016202	.00093199	.00018284	.00063527	.00017363	.00440278	.00073134
84 PLUMBING	.00003784	0.	.00010002	.00000947	.00003520	0.	.00009283	.00032689
85 BOLTS,NUTS,SC	.00044917	.00017791	.00071150	.00011309	.00020882	.00012834	.00060408	.00031026
86 ELCTPLT,CT,EN	.00011778	.00002542	.00015912	.00002989	.00002400	0.	.00025277	.00047655
87 VALVE,PIPE FT	.00046687	.00010802	.00085698	.00011359	.00012561	.00012834	.00043985	.00471158
88 OTH FAB MET P	.00010558	.00002542	.00034779	.00002640	.00002160	0.	.00002713	.00024932
89 FM,CONS,IND M	.00000732	0.	0.	0.	0.	0.	0.	0.
90 MTL HDL MC,EQ	.00005920	0.	.00007956	.00001495	.00081449	0.	.00001571	.00001441
91 MIN MACH,EQP	.00029050	.00006672	.00068422	.00007323	.00002160	.00007549	.00011567	.00006870
92 ENGINES	.00019468	.00004448	.00153438	.00004932	.00001440	.00005284	.00008283	.00037453
93 METAL WK MACH	.00012816	.00650634	.00049782	.00003238	.00000960	.00209868	.00129527	.00131419
94 IND PROC MACH	.00014281	.00003495	.00019322	.00003587	.00006801	0.	.00014995	.00069366
95 GEN IND MACH	.00134873	.00010802	.00101155	.00014149	.00015282	.00012834	.00014995	.00015070
96 REFRIG MACH	.00003906	0.	.00005228	.00000996	0.	0.	.00001142	.00000886
97 COMP,ACCT MACH	.00074333	.00016838	.01653263	.00018732	.00022722	.03255224	.00198789	.00018837
98 ELEC INST,AP	.00017088	.00004765	.00076151	.00007423	.00669511	.00005284	.01077202	.00005208
99 ELEC HSLD EQ	0.	0.	0.	0.	0.	0.	0.	0.
100 ELEC COMM EQ	.00024961	.00005718	.00062284	.00007772	.00042885	.00006039	.00006569	.00010638

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 73 *	SECTOR 74 *	SECTOR 75 *	SECTOR 76 *	SECTOR 77 *	SECTOR 78 *	SECTOR 79 *	SECTOR 80 *
101 OTH ELEC APP	.00026303	.00006036	.00035007	.00006476	.00005201	.00006794	.00007426	.00006759
102 AIRCRAFT	.00001953	0.	.00002728	.00000498	0.	0.	0.	0.
103 AIRCRAFT ENG	0.	0.	0.	0.	0.	0.	0.	0.
104 OTH AIRCRAFT	.00001465	0.	.00002046	.00000349	0.	0.	0.	0.
105 MOTOR VHCL,P	.00006713	0.	.00017276	.00001843	.00002320	.00009059	.00003999	.00011524
106 SHIP,BT BLDG	.00000488	0.	0.	0.	0.	0.	0.	.00025375
107 OTH TRANS EQ	.00005004	0.	.00006819	.00001245	0.	0.	.00001285	.00001219
108 SCIENTIF INS	.00001648	0.	.00002273	.00000448	0.	0.	0.	0.
109 MECH MSR6 DV	.00004882	0.	.00006592	.00001245	.00000960	0.	.00001285	.00001219
110 MEDICAL INST	.00003173	0.	.00004319	.00000797	.00000640	0.	.00000857	.00010194
111 PHO,TH,OPT I	.00000793	0.	0.	0.	0.	0.	0.	0.
112 GAMES,TOYS	0.	0.	0.	0.	0.	0.	0.	0.
113 OTH MFG IND	.00023679	.00005083	.00377570	.00004384	.00020882	.00021893	.00165657	.00007757
114 RAIL TRANS	.02292287	.02197160	.00599203	.01362605	.01778749	.00731520	.04042328	.00638922
115 INTERCTY HGV	0.	.00007942	0.	0.	.00026723	0.	0.	.00002770
116 MOTOR FRT STR	.01339756	.01597039	.02325206	.00205604	.01323821	.02364416	.01618445	.01303773
117 WATER TRANS	.01026070	.00237316	.00149801	.00041250	.00448048	.02023829	.00619930	.00189926
118 AIR TRANS	.00034481	.00163612	.00031597	.00072985	.00061447	.00053599	.00034274	.00121668
119 PIPELINE TRN	.00088674	.00274804	.00121614	.00052808	.00079929	.00260448	.00107820	.00240122
120 LOC,SUB TRAN	0.	0.	0.	0.	0.	0.	0.	0.
121 OTH TRAN SER	.00011656	.00036217	.00030460	.00006975	.00011521	.00033971	.00014566	.00031580
122 TELEP,TELEGR	.00141708	.00252883	.00183671	.00111147	.00143935	.00440120	.00209071	.00326220
123 RADIO , TV	.00008971	.00029863	.00013866	.00004484	.00006721	.00023403	.00009997	.00020610
124 OTH COMMUNIC	.00000427	0.	0.	0.	0.	0.	0.	.00001108
125 GAS SERVICES	.02151067	.01281571	.00921763	.03078379	.01265735	.02528989	.01406089	.00903976
126 ELEC SERVICES	.04064551	.01774629	.02848485	.03734946	.06272507	.02252688	.04296384	.01064426
127 WATER,SANI SERV	.00040401	.00115640	.00098655	.00290047	.00108492	.00360853	.00069119	.00133746
128 WHL AUT PT,S	.00034908	.00078470	.00121386	.00006775	.01130040	.00073982	.00021707	.00049975
129 WHL GRO,RELP	.00010619	.00026368	.00014548	.00003039	.00009921	.00016608	.00009568	.00026151
130 WHL FM PROD	.00035702	.00112463	.00049100	.00021123	.00031843	.00104179	.00042842	.00096071
131 WHL LIVESTOC	.00001892	.00006036	.00002500	.00001146	.00001680	.00005284	.00002285	.00005208
132 WHL MAC,EQ,S	.00709882	.00474950	.03139221	.00143479	.00252827	.00523916	.01867788	.02657187
133 WHL PET,PETP	.00181804	.00141691	.00102974	.00013750	.00026323	.00075492	.00052411	.00129203
134 GEN WHL	.04476859	.00759602	.05262572	.01048694	.01394228	.01849559	.04688250	.03770813
135 LUMBER YARDS	.00007751	.00002224	.00013639	.00000697	.00015602	0.	.00010425	.00017397
136 FARM EQ DEAL	.00009826	.00049560	.00088198	0.	.00005361	0.	.00016851	.00014848
137 HDW,HT,E,P,W	.00076774	.00005718	.00166167	.00001594	.00067447	.00052845	.00056980	.00193139
138 DEPT,VAR STO	.00173809	.00031452	.00256184	.00002043	.00175859	.00116258	.00125528	.00431267
139 FOOD STORES	.00007018	.00010484	.00010456	.00000299	.00006321	.00005284	.00005141	.00017175
140 AUTO DEAL,RP	.00012267	.00086730	.00049327	.12197535	.00032243	.00428041	.00288187	.00149370
141 GAS SER STAT	.00004638	.00032722	.00020004	.00003687	.00005361	.00006039	.00013567	.00030583
142 APPRL ACC ST	0.	0.	0.	0.	.00001200	0.	0.	0.
143 FURN,HH F,EQ	.00029965	0.	.00040235	.00000349	.00064007	.00020383	.00020279	.00075239
144 EAT,DRINK PL	.00007873	.00056549	.00012730	.00007174	.00044245	.00073227	.00048126	.00103384
145 OTHER RETAIL	.00046260	.00042888	.00184353	.00014547	.00046805	.00050580	.00032132	.00109811
146 BANK,CRD AGE	.00941424	.00810433	.00402348	.01241993	.00555979	.06129967	.00203930	.01307983
147 INSURANCE CA	.00116686	.00871430	.00696266	.00397956	.00337316	.00940633	.00390580	.00941207
148 F.I.H.E. NEC	.00154402	.00308162	.00114794	.00034325	.00368359	.02307797	.00174797	.00228376
149 LEGAL SERVIC	.00052851	.00126442	.00095018	.00039208	.00230825	.00237046	.00144807	.00276800
150 LODGING SERV	.00010253	.00061632	.00013412	.00010562	.00013841	.00563172	.00042700	.00103938

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 73 *	SECTOR 74 *	SECTOR 75 *	SECTOR 76 *	SECTOR 77 *	SECTOR 78 *	SECTOR 79 *	SECTOR 80 *
151 PERSONAL SER	.00004150	.00013025	.00034552	.00032482	.00003760	.00014344	.00046841	.00027702
152 ADVERTISING	.00021604	.00036852	.00012502	.00011160	.00099851	.00027932	.00022849	.00032689
153 DUPL, ADDRESS	0.	0.	0.	0.	.00002480	0.	0.	.00002992
154 PRI EMPL AGE	.00004272	.00013025	.00005683	.00002740	.00003760	.00016608	.00058980	.00016732
155 PHOTO SERVIC	.00009581	.00028910	.00012730	.00006028	.00008321	.00036991	.00013424	.00025708
156 RESRCH, DEVEL	.00012572	.00039712	.00024095	.00106264	.00026323	.00036991	.00015280	.00034129
157 OTHER BUS SE	.00102345	.00305620	.00163440	.00180495	.00040324	.01074254	.00231635	.00295083
158 MTN PCT, AM, R	.00000549	0.	0.	.00000349	.00000480	0.	0.	.00001551
159 AUTO RENT SE	.00028317	.00197287	.00037280	.00017188	.00050245	.00195525	.00038273	.00181283
160 AUTO PARKING	0.	0.	0.	0.	0.	0.	0.	0.
161 ELEC REP SHP	.00001343	.00004130	.00017731	.00010313	.00001200	0.	.00014995	.00003546
162 MISC REP SER	.00210426	.00474315	.00551694	.00127139	.00014562	.01223729	.00204216	.00566231
163 PHYS, DENT SE	.00000610	0.	.00008411	.00016839	.00003760	.00005284	.00003142	.00002549
164 HOSP, LAB SER	.00000427	0.	0.	.00005430	.00001200	0.	0.	.00001330
165 OTH MED SERV	.00000610	0.	0.	.00000399	.00000480	0.	0.	.00010970
166 ED (PUB, PRI)	.00160138	.00245258	.00112976	.00229019	.00111932	.00241575	.00189506	.00247989
167 COLL, UNIV	.00076835	.00142326	.00061148	.00054203	.00052326	.00122297	.00079973	.00119452
168 OTH ED SERV	0.	0.	0.	0.	0.	0.	0.	0.
169 ENG, ARCH SER	.00032650	.00098485	.00047509	.00020675	.00029363	.00126072	.00830430	.00087650
170 COMPU, ACCT SERV	.00047358	.00143597	.00067285	.00051264	.00072008	.00128337	.00141666	.00181283
171 OTH PROF SER	.00000915	0.	0.	0.	.00009041	0.	0.	.00026594
172 OTHER SERVICE	.00012816	.00039712	.00024777	.00032382	.00032563	.00039256	.00029847	.00037897
173 ORD, ORD ACCS	0.	0.	.00235044	0.	0.	0.	0.	0.
174 OUTDOOR REC	.00010131	.00010166	.00004546	.00003886	.00003040	.00012079	.00006426	.00010748
175 SCRAP	.00145980	.00067351	.00724681	.04079346	.00354918	.00069453	.00198646	.00059061
176 HOUSEHOLDS	.11641041	.16129873	.27864966	.21100227	.13931642	.35407356	.19989432	.31083109
177 PROP PAY	.01048834	.07036249	.06353457	.03190771	.09807203	.04822442	.04376928	.02525214
178 FEDERAL GOVT	.01412746	.01733329	.02622307	.00757102	.03419484	.00872690	.06343968	.02298390
179 STATE GOVT	.00480110	.00098167	.00085243	.00068153	.00035684	.00075492	.00507255	.00098509
180 LOCAL GOVT	.00539613	.00382502	.00225042	.00387444	.00067927	.00464277	.00349594	.00206325
181 DEPRECIATION	.08167367	.00963243	.02394083	.01651008	.01065313	.03067248	.02426739	.01452256
182 IMPORTS	.34965293	.51216761	.22726508	.32623858	.27183292	.19448303	.25374015	.27144532
TOTAL DIRECT REQ	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 81 *	* SECTOR 82 *	* SECTOR 83 *	* SECTOR 84 *	* SECTOR 85 *	* SECTOR 86 *	* SECTOR 87 *	* SECTOR 88 *
1 IRR COTTON	.00003158	.00144617	.00001539	.00007584	.00004435	.00002984	.00005607	0.
2 IRR FOOD GRAIN	.00004573	.00205579	.00002117	.00010292	.00006170	.00004689	.00008060	0.
3 IRR FEED GRAIN	.00000653	.00031159	0.	0.	0.	0.	.00001226	0.
4 OTHER IRR CROP	.00004246	.00193048	.00002020	.00009750	.00005978	.00004263	.00007534	0.
5 DRYLAND COTTON	.00001960	.00088396	.00000962	.00004333	.00002700	0.	.00003417	0.
6 DRY FOOD GRAIN	.00001742	.00077558	.00000770	.00004333	.00002314	0.	.00003066	0.
7 DRY FEED GRAIN	.00003702	.00166970	.00001732	.00008667	.00005013	.00003837	.00006483	0.
8 OTHER DRY CROP	.00001633	.00076881	.00000770	.00004333	.00002314	0.	.00002979	0.
9 RANGE LIVESTOCK	.00009473	.00426738	.00004522	.00021126	.00012919	.00009378	.00016557	.00003111
10 FEEDLOT LIVESTOCK	.00034080	.01543031	.00016163	.00077461	.00046856	.00034529	.00059921	.00011407
11 DAIRY	.00007295	.00332924	.00003560	.00016792	.00010220	.00007247	.00012965	.00002420
12 POULTRY, EGGS	.00003484	.00158841	.00001636	.00008125	.00004821	.00003837	.00006220	0.
13 AG SUP EX FMC	0.	0.	0.	0.	0.	0.	0.	0.
14 COTTON GINNING	0.	0.	0.	0.	0.	0.	0.	0.
15 AGRIC SERVICES	0.	0.	0.	0.	0.	0.	0.	0.
16 PRIM FORESTRY	.00003920	.00177469	.00001828	.00009209	.00005399	.00003837	.00006921	0.
17 FISHERIES	.00002178	.00097879	.00000962	.00004875	.00002892	0.	.00003855	0.
18 CRUDE PETRO	.00162450	.07366314	.00077450	.00370511	.00223482	.00164118	.00286025	.00053922
19 NATRL GAS LQDS.	.00024716	.01119341	.00011738	.00056335	.00033937	.00025150	.00043539	.00008296
20 OIL, GAS FLOSV	.00006968	.00317683	.00003367	.00015709	.00009641	.00006820	.00012352	.00002074
21 LIGNITE, OTH MINE	.00009908	.00447398	.00004714	.00022209	.00013498	.00010231	.00040736	.00003111
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM, ED, INST	0.	0.	0.	0.	0.	0.	0.	0.
24 INDUS CONS	0.	0.	0.	0.	0.	0.	0.	0.
25 FACILITY CONS	0.	0.	0.	0.	0.	0.	0.	0.
26 MAINTEN, REPR	.00555508	.02297274	.00287670	.00518390	.00808893	.00589971	.00276476	.00358098
27 MEAT PRODUCTS	.00002286	.00102620	.00001058	.00004875	.00003085	.00002558	.00003942	0.
28 POULTRY PROD	0.	.00006096	0.	0.	0.	0.	0.	0.
29 DAIRIES	.00000762	.00034207	0.	0.	0.	0.	.00001314	0.
30 OTH GRAIN MIL	.00005662	.00259091	.00002694	.00013000	.00007906	.00005968	.00010074	.00001728
31 ANIMAL FEEDS	.00000871	.00040303	0.	0.	.00001157	0.	.00001577	0.
32 BAKERY PROD	0.	.00003725	0.	0.	0.	0.	0.	0.
33 CNND, PSVP, PCK	0.	.00020321	0.	0.	0.	0.	.00000788	0.
34 OTH FOOD PROD	.00002178	.00100927	.00001058	.00004875	.00003085	0.	.00003942	0.
35 BEVERAGES	.00115522	.00200499	.00130077	.00008125	.00017933	.00007673	.00008322	.00004839
36 TEXTILE MILL	.00009146	.00098895	.00001058	.00026542	.00004821	.00016199	.00003855	.00003457
37 MBWMC FURN	.00001089	.00013547	0.	0.	0.	0.	0.	0.
38 RELATED APPRL	0.	.00022692	.00055225	0.	0.	0.	.00000788	0.
39 LOGGING	.00004029	.00182210	.00001924	.00009209	.00005399	.00003837	.00007008	0.
40 LUMBER MILLS	.00013175	.00051141	0.	0.	.00006749	0.	.00006745	.00002765
41 MILLWORK, WOOD	.00017856	.00334278	.00390904	.00035751	.00023139	.00019609	.00018747	.00004839
42 WOOD FURN, FIX	0.	.00019305	.00002598	.00007042	.00004049	.00004263	.00003417	0.
43 MET FURN, FIXT	0.	.00002371	0.	0.	0.	.00002984	0.	0.
44 PAPER, PAP MIL	.00038326	.00460945	.00079855	.00039543	.00046470	.00016625	.00031450	.00011407
45 PAP EX BOX, CT	.00006424	.00182888	.00006542	.00015709	.00016197	.00006394	.00026894	.00002765
46 BOXES, PAP CNT	.00493338	.00590660	.00285457	.00098586	.00748347	.00011510	.00017783	.00069131
47 NEWSPAPERS	.00023627	.00035223	0.	0.	.00014076	.00010657	.00001226	.00041824
48 PUBLISHING	.00168765	.00090767	.00001732	.00140296	.00025260	.00053285	.00009636	.00017283
49 PRINTING	.00007295	.00115829	.00103715	.00206381	.00169106	.00004689	.00021112	.00303139
50 MANFLD BUS FM	.00021558	.00039626	.00011930	.00018959	.00005592	.00002558	.00007621	.00002074

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 81 *	* SECTOR 82 *	* SECTOR 83 *	* SECTOR 84 *	* SECTOR 85 *	* SECTOR 86 *	* SECTOR 87 *	* SECTOR 88 *
51 OTH PRNT,PUBS	.00006097	.00039964	.00006157	.00003792	.00035865	.00038365	.00005782	.00005530
52 CHLOR,ALKALIE	.00006859	.00310571	.00007889	.00016792	.00023910	.00009804	.00013491	.00002074
53 CYCCRO INT,IG	.00015243	.00668895	.00017510	.00036834	.00052448	.00021314	.00029785	.00004839
54 ORG CHEM	.00079918	.03015955	.00073216	.00153838	.00227531	.00980869	.00660617	.00029035
55 INORG CHEM	.00012739	.00422674	.00010968	.00023292	.00034708	.01374324	.00020762	.00003802
56 FIBERS,PLASTI	.00107683	.00610303	.01412276	.00033584	.00055533	.03457125	.00027157	.00006913
57 SYN RUBBER	.00001524	.00068752	.00001732	.00003792	.00005399	0.	.00003066	0.
58 DRUGS	0.	.00006774	.00008659	0.	.00015426	0.	0.	.00002420
59 AGRI CHEMICAL	.00000980	.00044029	0.	0.	.00001350	0.	.00001752	0.
60 SPS,CLNS,TOIL	.00010779	.00091444	.00008563	.00024376	.00005399	.00003837	.00008673	.00007604
61 PAINT+VARNISH	.00265124	.00076203	.01865140	.00189047	.00002121	.02006923	.00020762	.00025233
62 OTH CHEMICALS	.00026349	.00352567	.00003656	.00017334	.00019089	.01191451	.00014367	.00002420
63 PETRO REFING	.00351684	.07199006	.00277472	.00398137	.00361929	.01956196	.00301093	.00166260
64 OTH PETRO PRD	0.	.00018966	0.	0.	0.	0.	.00000701	0.
65 TIRES	.00001307	.00036239	.00276606	0.	0.	.00086108	.00001314	0.
66 FAB RUBBER PR	.00012630	.00109733	.00612188	.00005959	.00003278	.00002558	.00004468	.00003457
67 PLASTIC PRODS	.00283634	.01326953	.00799318	.01362873	.00065174	.00268130	.00015418	.00002765
68 LEATHER,L PRD	.00031249	.00029804	.00036464	.00106170	.00005592	.00008526	.00011564	.00049083
69 GLASS	.00006206	.01211801	.00004714	.00010292	.00014269	.00005968	.00008322	0.
70 CLAY	0.	.00004064	0.	0.	0.	0.	0.	0.
71 CUT ST,CL,SH	.00200122	.00339020	.00002790	.00019501	.00006942	.00215271	.00191939	0.
72 CEMENT,CONCRT	.00001960	.00086364	.00002309	.00004875	.00006749	.00002558	.00003855	0.
73 BLAST FURNACE	.00199796	.00235383	.00014720	.00048210	.00133819	.00034102	.00871303	.02063905
74 PRI STEEL,IRO	.00204151	.00069430	.00365985	.00071502	.000825090	.00190547	.00159350	.00373307
75 FOUNDRIES	.00011324	.00195758	.01960869	.00021126	.00019089	.00572067	.06706386	.00668842
76 NONFER SMELTG	.00011106	.00408111	.00030787	.00025459	.00032201	.01269033	.00251860	.00006222
77 AL SMLT ROL DR	.00568247	.05306456	.03731626	.00026001	.00902412	.00014067	.00023215	.00005185
78 CAST,FORGINGS	.00024171	.00060624	.00081587	.01132116	.00111837	0.	.00267803	0.
79 FABRI STEEL	.06227748	.00148342	.00105158	.00008125	.00011569	.00004689	.00016469	.00091253
80 PLATE WORK	.00002069	.00061979	.00001636	.00349385	.00247971	.00315447	.00072010	.00399577
81 SH MET,ARCH	.06820493	.00305152	.00721003	.00046043	.00134783	.00783501	.00047919	0.
82 METAL DOORS	0.	.00161890	0.	0.	0.	0.	0.	.00125473
83 FAB MET PROD	.00020034	.00497184	.00201658	.00020042	.00029502	.01190172	.00160840	.00376072
84 PLUMBING	.00018945	.00038271	.00001539	0.	.00010605	0.	.00010863	.00003111
85 BOLTS,NUTS,SC	.00319455	.00623512	.00199060	.00084502	.00583097	.00017477	.00184931	.00879691
86 ELCTPLT,CT,EN	.00589044	.00286863	.00535220	.00003792	.00666204	.01362815	.00054051	.07209322
87 VALVE,PIPE FT	.00030378	.00240802	.00048586	.00034668	.00034708	.00010231	.01006212	.00027307
88 OTH FAB MET P	.00001307	.00105669	.00002501	.02315151	.00032587	0.	.00002540	.03800474
89 FM,CONS,IND M	0.	.00004064	0.	0.	0.	0.	0.	0.
90 MTL HDL MC,EQ	.00083076	.00031497	0.	0.	0.	0.	.00001226	0.
91 MIN MACH,EQU	.00003484	.00155793	.00001636	.00007584	.00004821	.00003410	.00966703	0.
92 ENGINES	.00041048	.00103975	.00001058	.00005417	.00003278	0.	.00004468	0.
93 METAL WK MACH	.00004573	.01079715	.00000770	.00003250	.00436744	0.	.00624349	.00541295
94 IND PROC MACH	.00001633	.00081283	.00000770	.00003792	.00002314	.01563592	.00003592	0.
95 GEN IND MACH	.00048778	.00254350	.00003271	.00041168	.00009256	.00007673	.00020762	.00006567
96 REFRIE MACH	0.	.00020998	0.	0.	.000176048	0.	.00000788	0.
97 COMPU,ACCT MACH	.00009037	.00397612	.000010295	.00030876	.00262047	.00012788	.00017696	.00202554
98 ELEC INST,AP	.00024716	.00091444	.00008274	.01526461	.00011955	.00037086	.00006307	.00002420
99 ELEC HSLD EQ	.00006533	0.	0.	0.	0.	0.	0.	0.
100 ELEC COMM EQ	.00006859	.00136827	.00007889	.00021667	.00010605	.00004263	.00007534	.00005185

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 81 *	SECTOR 82 *	SECTOR 83 *	SECTOR 84 *	SECTOR 85 *	SECTOR 86 *	SECTOR 87 *	SECTOR 88 *
101 OTH ELEC APP	.00003049	.00137505	.00003945	.00007584	.00010798	.00004689	.00006132	.00447969
102 AIRCRAFT	0.	.00010499	0.	0.	0.	0.	0.	0.
103 AIRCRAFT ENG	0.	0.	0.	0.	0.	0.	0.	0.
104 OTH AIRCRAFT	0.	.00007790	0.	0.	0.	.00072894	0.	0.
105 MOTOR VHCL,P	.00004791	.00021676	.00361944	0.	.00001543	.00002558	.00000876	0.
106 SHIP,BT BLDG	0.	.00002709	0.	0.	0.	0.	0.	0.
107 OTH TRANS EQ	.00000653	.00026756	0.	0.	.00160043	0.	.00001051	0.
108 SCIENTIF INS	0.	.00009144	0.	0.	0.	0.	0.	0.
109 MECH MSRG DV	.00000653	.00026078	.00000673	0.	.00002121	0.	.00001226	.00026270
110 MEDICAL INST	.00009255	.00017273	0.	0.	.00001350	0.	.00000788	0.
111 PHO,TH,OPT I	0.	.00005758	0.	0.	0.	0.	0.	0.
112 GAMES,TOYS	0.	0.	0.	0.	0.	0.	0.	0.
113 OTH MFG IND	.00108989	.00147665	.00023956	.00007584	.00124371	.00017904	.00007271	.00148632
114 RAIL TRANS	.01196379	.00219127	.00811633	.00822816	.00548775	.00115948	.00325446	.00847891
115 INTERCTY HGY	0.	0.	0.	.00192297	0.	0.	0.	0.
116 MOTOR FRT STR	.02138958	.00195080	.01538120	.01237203	.01741193	.01416952	.00667450	.01593123
117 WATER TRANS	.00780456	.00027433	.00322402	.00334760	.00068838	.00008952	.00069119	.00003111
118 AIR TRANS	.00198489	.00031497	.00112855	.00338010	.00119936	.00074599	.00110993	.00067748
119 PIPELINE TRN	.00118789	.00031836	.00412647	.00217756	.00088120	.00011510	.00088479	.00003802
120 LOC,SUB TRAN	0.	0.	0.	0.	0.	0.	0.	0.
121 OTH TRAN SER	.00408193	.00055882	.00054263	.00028709	.00042614	.00051580	.00011651	0.
122 TELEP,TELEGR	.00475155	.00359002	.00246973	.00287092	.00478973	.00317152	.00241435	.00232626
123 RADIO , TV	.00100606	.00035223	.00034828	.00018417	.00028731	0.	.00008410	.00027998
124 OTH COMMUNIC	.00003702	.00001693	.00001732	0.	.00001350	0.	.00006833	0.
125 GAS SERVICES	.00556053	.00363066	.01406696	.00692812	.00800987	.01328712	.00290580	.00162803
126 ELEC SERVICES	.00530030	.00491426	.01427477	.00992904	.01754112	.02864170	.00395879	.00728295
127 WATER,SANI SERV	.00088302	.00052157	.00193383	.00131629	.001313916	.01704264	.00065440	.00108881
128 WHL AUT PT,S	.00023518	.00029127	.00124689	.00024376	.00011377	.00005115	.00015506	.00022468
129 WHL GRO,RELP	.00008384	.00002032	.00054263	.00017334	.00008484	.00043054	.00011914	.00015900
130 WHL FM PROD	.00047581	.00012531	.00171832	.00087211	.00035287	.00013641	.00035392	0.
131 WHL LIVESTOC	.00002504	0.	.00008851	.00004333	.00001928	0.	.00001927	0.
132 WHL MAC,EQ,S	.00696944	.00176792	.00621617	.00439846	.01338192	.00446314	.01285754	.01470761
133 WHL PET,PETP	.00072514	.00073155	.00255728	.00056877	.00028538	.00002984	.00034253	.00028344
134 GEN WHL	.02540509	.00308877	.02378520	.04546341	.01174871	.00954013	.01739890	.03530518
135 LUMBER YARDS	.00001415	0.	.00002501	.00007584	.00006170	0.	.00008936	.00017283
136 FARM EQ DEAL	0.	0.	.00003560	.00005959	.00012919	.00082698	.00008322	.00043898
137 HDW,HT,E,P,W	.00015679	.00008467	.00016741	.00084502	.00022175	.00009378	.00104248	.00231589
138 DEPT,VAR STO	.00014699	.00014902	.00049837	.00269758	.00051677	.00060105	.00232937	.00534728
139 FOOD STORES	.00003484	0.	.00012026	.00007584	.00002892	.00014493	.00008936	.00020739
140 AUTO DEAL,RP	.00045077	.00026756	.00086012	.00087753	.00013690	.000857674	.00036881	.00043898
141 GAS SER STAT	.00018510	.00044367	.00016067	.00007584	.00015040	.00244684	.00006307	.00006567
142 APPRL ACC ST	.00001198	.00008467	.00006254	0.	0.	0.	0.	.00058070
143 FURN,HM F,EQ	0.	0.	.00006254	.00163046	.00008291	0.	.00040560	.00090562
144 EAT,DRINK PL	.00088629	.00103298	.00080143	.00103461	.00233894	.00169233	.00016557	.00057379
145 OTHER RETAIL	.00019816	.00032175	.00104581	.00065002	.00192437	.00112964	.00057117	.00117523
146 BANK,CRD AGE	.01028268	.00246560	.01381777	.00523807	.01049922	.01337238	.01700118	.00178358
147 INSURANCE CA	.00703150	.00631640	.00718790	.00282217	.00736584	.00667127	.00592111	.00231589
148 F.I.R.E. NEC	.00197945	.00364421	.00539838	.00290342	.00120900	.01567855	.00229521	.00547172
149 LEGAL SERVIC	.00531664	.00058253	.00143065	.00114295	.00174891	.01022218	.00261846	.00114412
150 LODGING SERV	.00078612	.00030820	.00081202	.00146796	.00073851	.00036660	.00164957	.00041133

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 81 *	* SECTOR 82 *	* SECTOR 83 *	* SECTOR 84 *	* SECTOR 85 *	* SECTOR 86 *	* SECTOR 87 *	* SECTOR 88 *
151 PERSONAL SER	.00015026	.00025062	.00027420	.00013000	.00007713	0.	.00005169	.00004839
152 ADVERTISING	.00504988	.00045383	.00055514	.00073669	.00043192	.00011510	.00018484	.00219145
153 DUPL,ADDRESS	.00000762	0.	.00000866	0.	0.	0.	0.	0.
154 PRI EMPL AGE	.00005553	0.	.00019435	.00010834	.00007327	0.	.00004205	0.
155 PHOTO SERVICE	.00012521	.00003387	.00043295	.00023292	.00016004	0.	.00009374	0.
156 RESRCH,DEVEL	.00016876	.00004403	.00063018	.00030876	.00041650	.00011936	.00012702	0.
157 OTHER BUS SE	.00086669	.00153761	.00202908	.00585559	.00260311	.00138967	.00144370	.00007604
158 MTN PCT,AM,R	.00000762	0.	.00002501	0.	0.	0.	.00000526	.00102314
159 AUTO RENT SE	.00041048	.00577113	.00218975	.00144629	.00053026	.00015346	.00045641	.00088142
160 AUTO PARKING	0.	0.	0.	0.	0.	0.	0.	0.
161 ELEC REP SHP	.00007622	.00004064	.00006350	.00003250	.00002314	0.	.00002015	0.
162 MISC REP SER	.00069684	.00079590	.00309317	.00069335	.00290006	.00023019	.00097765	.00159693
163 PHYS,IDENT SE	.00000871	.00006435	.00003175	.00004875	0.	0.	.00000701	0.
164 HOSP,LAB SER	.00000653	0.	.00002405	0.	0.	0.	0.	0.
165 OTH MED SERV	.00000871	0.	.00002983	0.	0.	0.	.00000526	0.
166 ED(PUB,PRI)	.00316951	.00188645	.00439875	.00262174	.00170263	.00105717	.00130003	.00126510
167 COLL,UNIV	.00096359	.00109055	.00234658	.00149504	.00127649	.00021314	.00060359	.00036639
168 OTH ED SERV	0.	0.	0.	0.	0.	0.	0.	0.
169 ENG,ARCH SER	.00045730	.00078913	.00147780	.00079086	.00054569	.00004263	.00031975	0.
170 COMPU,ACCT SERV	.00127281	.00077558	.00169235	.00501056	.00597559	.00035381	.00098203	.00157619
171 OTH PROF SER	.00000653	.00004403	.00001636	0.	.00125913	0.	.00001402	0.
172 OTHER SERVICE	.00063586	.00258075	.00054167	.00043876	.00443300	0.	.00012702	.00020739
173 ORD,ORD ACCS	0.	0.	0.	0.	0.	0.	0.	0.
174 OUTDOOR REC	.00013283	.00011854	.00023668	.00008125	.00003278	0.	.00004906	.00009333
175 SCRAP	.00029180	.00007790	.00101310	.00053627	.00021789	.00002984	.00023215	0.
176 HOUSEHOLDS	.20040983	.20589441	.11747512	.18520124	.17900542	.37713779	.39719617	.25694939
177 PROP PAY	.05522746	.07477740	.04447722	.00445263	.01790556	.02038041	.02840451	.07193076
178 FEDERAL GOVT	.02334725	.03680109	.01241887	.03761985	.02697981	.03979317	.02984033	.04906915
179 STATE GOVT	.00072079	.00171034	.00121803	.00092628	.00204778	.00233175	.00051073	.00197023
180 LOCAL GOVT	.00243130	.00232674	.00218879	.00314176	.00435780	.00702082	.00075426	.00157273
181 DEPRECIATION	.01318107	.00630624	.02112305	.01007529	.02321012	.03172797	.01050452	.01735878
182 IMPORTS	.37675053	.15683645	.49198854	.51120199	.52842598	.16089058	.29857408	.29377397
TOTAL DIRECT REQ	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 89 *	* SECTOR 90 *	* SECTOR 91 *	* SECTOR 92 *	* SECTOR 93 *	* SECTOR 94 *	* SECTOR 95 *	* SECTOR 96 *
1 IRR COTTON	.00009041	.00003753	.00010164	.00005856	0.	0.	.00000906	.00002621
2 IRR FOOD GRAIN	.00012756	.00005838	.00014486	.000008418	0.	.00001518	.00001165	.00003603
3 IRR FEED GRAIN	.00001982	0.	.00002196	0.	0.	0.	0.	.00000573
4 OTHER IRR CROP	.00012013	.00005004	.00013575	.00008052	0.	.00001518	.00001165	.00003439
5 DRYLAND COTTON	.00005449	.00002502	.00006215	.00003660	0.	0.	0.	.00001638
6 DRY FOOD GRAIN	.00004830	0.	.00005444	.00003294	0.	0.	0.	.00001392
7 DRY FEED GRAIN	.00010403	.00004587	.00011752	.00006954	0.	0.	.00001036	.00002948
8 OTHER DRY CROP	.00004706	0.	.00005421	.00003294	0.	0.	0.	.00001392
9 RANGE LIVESTOCK	.00026503	.00011675	.00030000	.00017569	0.	.00003289	.00002460	.00007534
10 FEEDLOT LVSTK	.00095855	.00041698	.00108529	.00063687	0.	.00012145	.00009063	.00027434
11 DAIRY	.00020682	.00009174	.00023435	.00013543	0.	.00002530	.00001942	.00005896
12 POULTRY,EGGS	.00198027	.00004170	.00011168	.00006588	0.	0.	.00000906	.00002784
13 AG SUP EX FMC	0.	0.	0.	0.	0.	0.	.00042208	0.
14 COTTON GINNING	0.	0.	0.	0.	0.	0.	0.	0.
15 AGRI SERVICES	0.	0.	0.	0.	0.	0.	0.	0.
16 PRIM FORESTRY	.00011022	.00005004	.00012500	.00007320	0.	.00001518	.00001036	.00015805
17 FISHERIES	.00006068	.00002502	.00006869	.00004026	0.	0.	0.	.00001720
18 CRUDE PETRO	.00457356	.00198898	.00518019	.00304159	.00008335	.00057435	.00043374	.00130701
19 NATRL GAS LQDS.	.00069477	.00030439	.00079931	.00046118	0.	.00008856	.00006603	.00024076
20 OIL,GAS FLDSV	.00019691	.00008340	.00022477	.00013177	0.	.00002530	.00001942	.00005651
21 LIGNITE,OTH MINE	.00031952	.00012092	.00035351	.00018301	0.	.00003542	.00002589	.00012530
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	0.	0.	0.	0.	0.	0.	0.	0.
24 INDUS CONS	0.	0.	0.	0.	0.	0.	0.	0.
25 FACILITY CONS	0.	0.	0.	0.	0.	0.	0.	0.
26 MAINTEN,REPR	.00514324	.00071720	.00839026	.00806334	.00168010	.00081977	.00205992	.00642120
27 MEAT PRODUCTS	.00006440	.00002502	.00007220	.00004392	0.	0.	0.	.00001802
28 POULTRY PROD	0.	0.	.00000444	0.	0.	.00003542	0.	0.
29 DAIRIES	.00002105	0.	.00002430	0.	0.	0.	0.	.00000655
30 OTH GRAIN MIL	.00016100	.00007089	.00018224	.00010614	0.	.00002024	.00001554	.00004586
31 ANIMAL FEEDS	.00002477	0.	.00002850	0.	0.	0.	0.	.00000737
32 BAKERY PROD	0.	0.	.00000257	0.	0.	0.	0.	0.
33 CNND,PSVP,PCK	.00001238	0.	.00001449	0.	0.	0.	0.	0.
34 OTH FOOD PROD	.00006316	.00002919	.00007080	.00004026	0.	0.	0.	.00001802
35 BEVERAGES	.00014737	.00005838	.00012523	.00006588	0.	.00008097	.00003366	.00004258
36 TEXTILE MILL	.00008669	.00017513	.00010444	.00004026	0.	.00013663	.00009322	.00004422
37 MBWMC FURN	0.	0.	.00001659	0.	0.	0.	0.	0.
38 RELATED APPRL	.00001238	0.	.00001495	0.	0.	0.	0.	.00151174
39 LOGGING	.00011270	.00005004	.00012804	.00007320	0.	.00001518	.00001036	.00003194
40 LUMBER MILLS	.00003468	0.	.00011752	.00005490	0.	.00003289	.00018515	.00013512
41 MILLWORK,WOOD	.00018453	.00008340	.00019416	.00010248	0.	.00016952	.00009244	.00203258
42 WOOD FURN,FIX	.00002105	0.	.00003458	0.	0.	.00004301	.00006474	.00001065
43 MET FURN,FIXT	0.	0.	.00000187	0.	0.	0.	0.	.00037015
44 PAPER,PAP MIL	.00032571	.00015428	.00044440	.00021595	.00005264	.00090327	.00077943	.00010155
45 PAP EX BOX,CT	.00012261	.00024185	.00016589	.00009516	0.	.00004301	.00008157	.00003931
46 BOXES,PAP CNT	.00025512	.00050454	.00030982	.00015007	.00014915	.00002783	.01043684	.00283512
47 NEWSPAPERS	.00002229	0.	.00003271	.00006222	0.	.00005060	.00002072	0.
48 PUBLISHING	.00028113	.00014594	.00029089	.00002562	.00005264	.00154340	.00041820	.00015641
49 PRINTING	.00093874	.00017513	.00027968	.00004392	.00014037	.00179136	.00012818	.00029809
50 MANFLD BUS FM	.00003096	.00003753	.00005794	.00003294	.00005703	.00002530	.00005956	.00002129

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 89 *	SECTOR 90 *	SECTOR 91 *	SECTOR 92 *	SECTOR 93 *	SECTOR 94 *	SECTOR 95 *	SECTOR 96 *
51	0.0006316	0.00016679	0.0005444	0.0032941	0.0018863	0.0004301	0.	0.00003276
52	0.00019072	0.00008340	0.00028295	0.0012445	0.0064406	0.0034410	0.00003237	0.00005405
53	0.00042231	0.00018347	0.00051239	0.0027451	0.	0.0005313	0.00004791	0.00011874
54	0.00178335	0.00075890	0.00221754	0.00116027	0.00005264	0.00025808	0.01227277	0.00050036
55	0.0026626	0.00011258	0.0004580	0.0017569	0.	0.0004048	0.00012818	0.00007534
56	0.00038516	0.00016679	0.00053856	0.00025255	0.00003948	0.00009109	0.00004402	0.00011219
57	0.0004335	0.	0.00005280	0.00002928	0.	0.	0.	0.00001228
58	0.0002601	0.	0.00006402	0.	0.	0.	0.	0.
59	0.0002725	0.	0.00003131	0.	0.	0.	0.	0.00000819
60	0.0009784	0.00004170	0.00019486	0.00040628	0.00003948	0.0012904	0.00005956	0.00004177
61	0.00033314	0.	0.00034486	0.00002562	0.	0.0017205	0.00405381	0.00119318
62	0.0044708	0.00009590	0.00025421	0.00014275	0.00019301	0.00006072	0.00006085	0.00006306
63	0.00930564	0.00188891	0.00656151	0.00380657	0.00123705	0.00370163	0.00107463	0.00185323
64	0.00001115	0.	0.00007640	0.	0.	0.00001518	0.	0.00026861
65	0.02511186	0.	0.00066286	0.00015007	0.	0.00001771	0.00011135	0.00000655
66	0.0009784	0.00154282	0.00132758	0.00004392	0.	0.00014422	0.00007251	0.01340746
67	0.0022911	0.0009590	0.0027827	0.00014275	0.00016231	0.0002783	0.00076389	0.03387653
68	0.0012756	0.00009174	0.00010000	0.	0.	0.00051109	0.00009710	0.00012857
69	0.00012137	0.00005004	0.00014673	0.00010614	0.	0.00001518	0.00062665	0.00003194
70	0.	0.	0.00000304	0.	0.	0.	0.	0.
71	0.00005573	0.00002502	0.00078599	0.00003660	0.00011405	0.00003036	0.02327153	0.00014495
72	0.0005449	0.	0.0006939	0.00003660	0.	0.	0.0003107	0.00001556
73	0.0488621	0.00192227	0.01038514	0.0002968	0.01524377	0.02162533	0.02609534	0.00010564
74	0.00372771	0.01074551	0.0417551	0.0002928	0.00071942	0.01915336	0.00118098	0.00383503
75	0.00376610	0.00183470	0.00744773	0.00069543	0.	0.03142466	0.01886555	0.00004422
76	0.00025760	0.00010841	0.00033108	0.00021961	0.06258938	0.00003289	0.00016055	0.00015641
77	0.0067743	0.00022517	0.00933590	0.00930707	0.00030707	0.00004807	0.00029261	0.01901875
78	0.00213507	0.00163038	0.00752670	0.00023425	0.01297585	0.00006325	0.00346341	0.00180409
79	0.00403608	0.00004170	0.00334255	0.00006222	0.	0.00060977	0.00126754	0.00244368
80	0.0028360	0.00005004	0.00036706	0.0002562	0.	0.00060977	0.00993060	0.00001146
81	0.00014242	0.00009590	0.0162487	0.00011347	0.	0.00093363	0.02392796	0.00156005
82	0.	0.	0.0000257	0.	0.	0.	0.	0.
83	0.0058908	0.00497871	0.01159240	0.0107243	0.00010528	0.02286258	0.00288984	0.00161984
84	0.0003591	0.	0.0010023	0.0005124	0.00004825	0.00008603	0.0026154	0.00001474
85	0.00531415	0.00304394	0.00767764	0.00030745	0.01570876	0.00037952	0.00366150	0.01138226
86	0.00005821	0.00006255	0.00181333	0.00010980	0.00697485	0.	0.00087912	0.00001146
87	0.00019691	0.00826867	0.01032322	0.00050876	0.00007896	0.00014928	0.00601533	0.00692812
88	0.00004582	0.	0.00007150	0.00002196	0.00165378	0.	0.00103838	0.00087052
89	0.00013127	0.00002919	0.00007664	0.	0.00089050	0.	0.00267362	0.
90	0.00001982	0.00015011	0.00103436	0.	0.00021056	0.00025049	0.00113548	0.00000573
91	0.00009660	0.00004170	0.0119403	0.00006588	0.00021056	0.	0.0010228	0.00002784
92	0.0059074	0.0002919	0.00751198	0.0004392	0.	0.0128026	0.	0.00004504
93	0.00034676	0.00218079	0.00082547	0.00002928	0.00024127	0.0013916	0.00838340	0.00009500
94	0.0004706	0.	0.0007780	0.0003294	0.	0.01726838	0.00082604	0.00001556
95	0.00239762	0.00084229	0.00324092	0.00206799	0.00152218	0.00481238	0.00298306	0.00464495
96	0.00001238	0.	0.00103272	0.	0.	0.	0.	0.01341565
97	0.01742610	0.00010841	0.01259311	0.00355768	0.00699239	0.00358271	0.02006448	0.00007698
98	0.01266677	0.00049203	0.00541454	0.00648215	0.	0.00118159	0.00186571	0.03973431
99	0.	0.	0.	0.	0.	0.	0.	0.
100	0.00010031	0.00005421	0.00016168	0.00093334	0.	0.00007337	0.00002978	0.00115551

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 89 *	* SECTOR 90 *	* SECTOR 91 *	* SECTOR 92 *	* SECTOR 93 *	* SECTOR 94 *	* SECTOR 95 *	* SECTOR 96 *
101 OTH ELEC APP	.00013251	.00003753	.00011869	.00010980	0.	.00207221	.00635973	.00002375
102 AIRCRAFT	0.	0.	.00000748	0.	0.	0.	0.	0.
103 AIRCRAFT ENG	0.	0.	0.	0.	0.	0.	0.	0.
104 OTH AIRCRAFT	0.	0.	.00000654	0.	0.	0.	0.	0.
105 MOTOR VHCL,P	.00062294	0.	.00016192	.00192891	0.	.00010121	.00011135	.00001884
106 SHIP,BT BLDG	0.	0.	.00000187	0.	0.	0.	0.	0.
107 OTH TRANS EQ	.00001610	0.	.00004252	0.	0.	.00003542	0.	.00000491
108 SCIENTIF. INS	0.	0.	.00013411	0.	0.	0.	0.	0.
109 MECH MSRG DV	.00001610	0.	.00019323	0.	0.	0.	.01626703	.00002047
110 MEDICAL INST	.00001115	.00015428	.00001308	0.	0.	0.	0.	0.
111 PHO, TM, OPT I	0.	0.	.00000444	0.	0.	0.	.00001295	0.
112 GAMES, TOYS	0.	0.	0.	0.	0.	0.	0.	0.
113 OTH MFG IND	.00071582	.00059628	.00019463	.00012079	.00109229	.00006578	.00210653	.00005323
114 RAIL TRANS	.00115175	.00102993	.00345751	.00521573	.00113177	.00534624	.00459112	.00197197
115 INTERCTY HGY	0.	0.	.00000444	0.	0.	.00011386	0.	0.
116 MOTOR FRT STR	.00864060	.01508625	.00947228	.01734550	.00257060	.00983982	.01306904	.01048963
117 WATER TRANS	.00026255	.00030022	.00231287	.00179348	0.	.00117400	.00048552	.00069609
118 AIR TRANS	.00057464	.00050454	.00117922	.00162511	.00159676	.00308174	.00041431	.00185814
119 PIPELINE TRN	.00033562	.00038362	.00108552	.00191426	0.	.00150039	.00062147	.00089099
120 LOC, SUB TRAN	0.	0.	0.	0.	.00002632	0.	0.	0.
121 OTH TRAN SER	.00004458	.00005004	.00018318	.00025255	0.	.00068061	.00054638	.00011711
122 TELEP, TELEGR	.00306143	.00298973	.00370050	.00356134	.00212755	.00663916	.00262572	.00138808
123 RADIO, TV	.00002848	.00006672	.00013809	.00035870	0.	.00029856	.00006733	.00007452
124 OTH COMMUNIC	0.	0.	.00000701	0.	0.	.00001518	0.	0.
125 GAS SERVICES	.00261063	.00313150	.00490869	.00757653	.00132917	.00923005	.00320058	.00485050
126 ELEC SERVICES	.00368065	.00285213	.00889214	.00498880	.00638264	.01165647	.00466363	.00557116
127 WATER, SANI SERV	.00048175	.00041281	.00066519	.00094432	.00028514	.00182678	.00054638	.00086151
128 WHL AUT PT, S	.00997564	.00003753	.00040070	.00122249	0.	.00022518	.00063053	.00025387
129 WHL GRO, RELP	.00006811	.00041698	.00012944	.00014641	0.	.00008603	.00003496	.00013267
130 WHL FM PROD	.00013499	.00015428	.00043458	.00076497	0.	.00059965	.00024859	.00035705
131 WHL LIVESTOC	.00000743	0.	.00002313	.00004026	0.	.00003289	.00001295	.00001884
132 WHL MAC, EC, S	.00791240	.04346992	.00838886	.00989708	.01152824	.02010470	.03674323	.03026588
133 WHL PET, PETP	.00184280	.00154282	.00062501	.00059295	0.	.00162184	.00022269	.00044386
134 GEN WHL	.02420780	.03475509	.02268946	.00778516	.01800300	.01689139	.02525636	.02250983
135 LUMBER YARDS	.00011270	.00100909	.00014580	.00009882	0.	0.	.00000906	.00010482
136 FARM EQ DEAL	.00002601	.00020849	.00007594	0.	.00005703	0.	0.	.00071656
137 HDW, HT, E, P, W	.00026379	.00002502	.00055421	.00020131	.00012283	0.	.00000777	.00060682
138 DEPT, VAR STO	.00138582	.00008757	.00116216	.00034772	.00029391	0.	0.	.00461874
139 FOOD STORES	.00002353	.00002919	.00005187	.00002196	0.	0.	0.	.00011465
140 AUTO DEAL, RP	.00166199	.00015845	.00478345	.00043190	.00139058	.00607493	.00137501	.00032348
141 GAS SER STAT	.00040869	.00018764	.00016799	.00012445	.00007019	.00040483	.00007898	.00007698
142 APPRL ACC ST	0.	0.	.00000350	0.	.00039480	0.	.00008416	.00000573
143 FURN, HM F, EQ	.00137343	0.	.00018481	.00006222	.00004387	0.	0.	.000503312
144 EAT, DRINK PL	.00058826	.00014177	.00074089	.00206433	.00132040	.00309945	.00010099	.00100155
145 OTHER RETAIL	.00082232	0.	.00040561	.00143478	.00022372	.00007337	.00022787	.00093358
146 BANK, CRD AGE	.01436963	.01034105	.00836269	.02533564	.01229152	.01381218	.00399684	.01136097
147 INSURANCE CA	.01040909	.00632555	.00527458	.01510915	.00530352	.00845075	.00385960	.00376542
148 F. I. R. E. NEC	.00171896	.01989817	.01396578	.00336003	.00469815	.01314168	.00388420	.00397097
149 LEGAL SERVIC	.00543056	.00110499	.00323811	.00400422	.00114493	.00323355	.00208323	.00080009
150 LODGING SERV	.00120748	.00017930	.00046169	.00039530	.00239514	.00222655	.00020975	.00192448

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 89 *	SECTOR 90 *	SECTOR 91 *	SECTOR 92 *	SECTOR 93 *	SECTOR 94 *	SECTOR 95 *	SECTOR 96 *
151 PERSONAL SER	.00003220	0.	.00062851	.00010614	.00014037	.00007084	.00008157	.00012939
152 ADVERTISING	.00029846	.00012509	.00078832	.00152995	.00011405	.00087544	.00015148	.00062484
153 DUPL, ADDRESS	.00002353	0.	.00002570	0.	0.	.00001771	.00000906	0.
154 PRI EMPL AGE	.00005325	.00010424	.00007874	.00009150	0.	.00007084	.00002978	.00004258
155 PHOTO SERVIC	.00012013	.00023351	.00097431	.00020131	0.	.00015687	.00008675	.00009336
156 RESRCH, DEVEL	.00014490	.00005421	.00015841	.00027451	0.	.00025049	.00112253	.00025059
157 OTHER BUS SE	.00261311	.00169293	.00264699	.00103583	.00015792	.00092604	.00221399	.00220127
158 MTN PCT, A, R	0.	0.	.00024743	.00092968	.00008773	0.	0.	.00000573
159 AUTO RENT SE	.00038516	.00388206	.00051589	.00057831	.00081593	.00218859	.00037547	.00275405
160 AUTO PARKING	0.	0.	0.	0.	0.	0.	0.	0.
161 ELEC REP SHP	0.	0.	.00546103	.00002928	.00035094	.00682892	.00000906	.00004095
162 MISC REP SER	.00101304	.00131765	.00088202	.00035138	.00070187	.00240872	.00018515	.00162966
163 PHYS, DENT SE	0.	0.	.00003224	.00002928	0.	.00050603	.00003625	.00001146
164 HOSP, LAB SER	0.	0.	.00001893	0.	0.	0.	.00002848	.00000491
165 OTH MED SERV	0.	0.	.00003435	.00002196	0.	0.	.00003496	.00000655
166 ED(PUB, PRI)	.00077403	.00092986	.00137034	.00499246	.01351541	.00387368	.00134652	.00155924
167 COLL, UNIV	.00046689	.00034192	.00077384	.00094798	.00055711	.00206715	.00084805	.00062075
168 OTH ED SERV	0.	0.	0.	0.	0.	0.	0.	0.
169 ENG, ARCH SER	.00042974	.00119673	.00171006	.00072471	0.	.02714362	.00030297	.00034149
170 COMPU, ACCT SERV	.00111460	.00148861	.00174604	.00622227	.00163624	.00232269	.00119504	.00246169
171 OTH PROF SER	.00000743	0.	.00001308	0.	.00006141	0.	0.	0.
172 OTHER SERVIC	.00025264	.00006672	.00031823	.00025255	.00162746	.00042507	.00016443	.00013348
173 ORD, ORD ACCS	0.	0.	0.	0.	0.	0.	0.	0.
174 OUTDOOR REC	.00004830	0.	.00007897	.00007320	0.	.00005566	.00002331	.00005814
175 SCRAP	.00008298	.00009590	.00026776	.00047216	0.	.00036940	.00016314	.00311192
176 HOUSEHOLDS	.26670316	.35283816	.29162462	.14901981	.49907441	.28924351	.27782252	.19989419
177 PROP PAY	.05942286	.02861301	.09087419	.00986413	.04270887	.04504960	.09588016	.04929609
178 FEDERAL GOVT	.04791032	.03652307	.06253375	.10509421	.01582720	.03254046	.02863691	.02109145
179 STATE GOVT	.00236542	.03277861	.00724750	.00073569	.00155289	.00229739	.00147341	.00046515
180 LOCAL GOVT	.00446334	.00092569	.00547879	.00463010	.01608163	.00248462	.00222953	.00107116
181 DEPRECIATION	.01414175	.00538318	.03871904	.00653705	.01184847	.01185636	.01953364	.00611165
182 IMPORTS	.32456187	.33557528	.21846134	.53524735	.18036778	.28389220	.23404242	.41012406
TOTAL DIRECT REQ	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 97 *	SECTOR 98 *	SECTOR 99 *	SECTOR 100 *	SECTOR 101 *	SECTOR 102 *	SECTOR 103 *	SECTOR 104 *
1 IRR COTTON	.00016147	.00009140	0.	.00009374	.00006072	.00002910	0.	0.
2 IRR FOOD GRAIN	.00023044	.00013168	0.	.00013343	.00008280	.00004114	0.	.00008813
3 IRR FEED GRAIN	.00003488	.00002014	0.	.00002018	0.	.00000602	0.	0.
4 OTHER IRR CROP	.00021634	.00012238	0.	.00012535	.00008004	.00003913	0.	.00007712
5 DRYLAND COTTON	.00009876	.00005577	0.	.00005741	.00003588	.00001756	0.	0.
6 DRY FOOD GRAIN	.00008661	.00004957	0.	.00005023	.00003312	.00001555	0.	0.
7 DRY FEED GRAIN	.00018694	.00010534	0.	.00010831	.00006900	.00003361	0.	.00006610
8 OTHER DRY CROP	.00008622	.00004957	0.	.00005001	.00003036	.00001555	0.	0.
9 RANGE LIVESTOCK	.00047735	.00027110	0.	.00027672	.00017664	.00008579	0.	.00016525
10 FEEDLOT LIVESTOCK	.00172755	.00098216	0.	.00100127	.00063203	.00030954	0.	.00061692
11 DAIRY	.00037310	.00021223	0.	.00021617	.00013524	.00006672	0.	.00013220
12 POULTRY, EGGS	.00017793	.00010069	0.	.00010293	.00006348	.00003211	0.	.00006610
13 AG SUP EX FMC	0.	0.	0.	0.	0.	0.	0.	0.
14 COTTON GINNING	0.	0.	0.	0.	0.	0.	0.	0.
15 AGR SERVICES	0.	0.	0.	0.	0.	0.	0.	0.
16 PRIM FORESTRY	.00019870	.00011309	0.	.00011526	.00007176	.00003562	0.	.00007712
17 FISHERIES	.00010934	.00006197	0.	.00006346	.00004140	.00001957	0.	0.
18 CRUDE PETRO	.00824740	.00468772	0.	.00477940	.00301939	.00147896	.00054971	.00295242
19 NATRL GAS LQDS.	.00125334	.00075908	0.	.00110465	.00045815	.00024031	0.	.00045168
20 OIL, GAS FLD SV	.00035586	.00020139	0.	.00020608	.00012972	.00006371	0.	.00012118
21 LIGNITE, OTH MINE	.00050086	.00028504	0.	.00034915	.00019320	.00012191	0.	.00023135
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM, ED, INST	0.	0.	0.	0.	0.	0.	0.	0.
24 INDUS CONS	0.	0.	0.	0.	0.	0.	0.	0.
25 FACILITY CONS	0.	0.	0.	0.	0.	0.	0.	0.
26 MAINTEN, REPR	.00355386	.00208206	.00867491	.00273739	.00307183	.00575581	.01585691	.00290835
27 MEAT PRODUCTS	.00011483	.00006506	0.	.00006660	.00004140	.00002057	0.	0.
28 POULTRY PROD	.00000666	0.	0.	.00000404	0.	0.	0.	0.
29 DAIRIES	.00003841	.00002169	0.	.00002242	0.	.00000652	0.	0.
30 OTH GRAIN MIL	.00029041	.00016421	0.	.00016819	.00010764	.00005167	0.	.00011016
31 ANIMAL FEEDS	.00004546	.00002479	0.	.00002624	.00001656	.00000803	0.	0.
32 BAKERY PROD	.00000431	0.	0.	.00000247	0.	0.	0.	0.
33 CNND, PSVP, PCK	.00002273	.00001239	0.	.00001323	0.	.00000401	0.	0.
34 OTH FOOD PROD	.00011287	.00006352	0.	.00006548	.00004140	.00002910	0.	0.
35 BEVERAGES	.00024142	.00036715	0.	.00011078	.00006624	.00004013	0.	.00007712
36 TEXTILE MILL	.00616948	.00010689	0.	.00009777	.00004140	.00003863	0.	.00007712
37 MBWHC FURN	.00012737	0.	0.	.00000762	.00001656	.00000702	0.	0.
38 RELATED APPRL	.00002273	.00001549	.00057233	.00001301	0.	.00000401	0.	0.
39 LOGGING	.00020419	.00011619	0.	.00011818	.00007452	.00003662	0.	.00007712
40 LUMBER MILLS	.00020379	.00005732	0.	.00003005	.00001932	.00000903	0.	0.
41 MILL, W, ORK, WOOD	.00485462	.00146085	0.	.00023636	.00010212	.00019114	0.	.00020931
42 WOOD FURN, FIX	.00010856	.00002634	0.	.00004485	0.	.00001003	0.	0.
43 MET FURN, FIX	.00001960	.00002169	0.	.00003409	0.	.00001455	0.	0.
44 PAPER, PAP MIL	.00085829	.00032222	0.	.00102549	.00018492	.00008980	0.	.00018728
45 PAP EX BOX, CT	.00031431	.00011928	0.	.00042338	.00007728	.00003562	0.	.00007712
46 BOXES, PAP CNT	.00044874	.00045235	.02208918	.00147443	.00016284	.00007375	0.	.00014321
47 NEWSPAPERS	.00013795	.00009450	0.	.00001772	0.	.00028546	0.	.00046269
48 PUBLISHING	.00024455	.00021998	0.	.00039468	.00004416	.00238902	.00084570	.00193890
49 PRINTING	.00051968	.00009915	0.	.00054335	.00134134	.00118046	0.	0.
50 MANFLD BUS FM	.00007015	.00009450	.00023793	.00061825	.00004692	.00016104	0.	0.

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 97 *	SECTOR 98 *	SECTOR 99 *	SECTOR 100 *	SECTOR 101 *	SECTOR 102 *	SECTOR 103 *	SECTOR 104 *
51 OTH PRNT,PUBS	.00019909	.00011309	.00087456	.00007669	.00027324	.00004114	.00131084	.00007712
52 CHLOR,ALKALIE	.00034410	.00023392	0.	.00072656	.00076175	.00006070	0.	.00012118
53 CYCCRD INT,IG	.00075992	.00042602	0.	.00150538	.00027324	.00013646	0.	.00026440
54 ORG CHEM	.00346881	.00182025	0.	.00663527	.00115090	.00059048	.01623747	.00112368
55 INORG CHEM	.00054162	.00026955	0.	.00110644	.00050507	.00008629	0.	.00016525
56 FIBERS,PLASTI	.00069329	.00054995	0.	.00254140	.01745394	.00012341	0.	.00053981
57 SYN RUBBER	.00007799	.00004338	0.	.00015451	.00002760	.00001756	0.	0.
58 DRUGS	.00000745	0.	0.	.00000426	0.	0.	0.	0.
59 AGRIC CHEMICAL	.00004938	.00002788	0.	.00002870	.00001932	.00000903	0.	0.
60 SPS,CLNS,TOIL	.00020144	.00011774	0.	.00015137	.00080315	.00008629	0.	.00006610
61 PAINT+VARNISH	.00035037	.00120059	0.	.00037741	.00503415	.00012994	0.	0.
62 OTH CHEMICALS	.00057494	.00023082	0.	.00023322	.00538191	.00049717	0.	.00014321
63 PETRO REFING	.01066863	.00476208	0.	.00448249	.00359898	.00240607	.00097256	.00319478
64 OTH PETRO PRD	.00014344	.00001394	0.	.00001211	0.	.00015101	0.	0.
65 TIRES	.00018929	.00002169	0.	.00002377	0.	.00001756	0.	0.
66 FAB RUBBER PR	.00029041	.00033462	0.	.00007983	.02580280	.00015352	0.	0.
67 PLASTIC PRODS	.02736958	.00111849	0.	.00106406	.11033188	.00058396	0.	.00014321
68 LEATHER,L PRD	.00010621	.00006042	0.	.00020900	0.	.00009532	.00046514	.00016525
69 GLASS	.00084888	.00011619	0.	.00044110	.00007452	.00003712	0.	.00007712
70 CLAY	.00000431	0.	0.	.00000942	0.	0.	0.	0.
71 CUT ST,CL,SH	.00107619	.00009605	0.	.00019958	.00012972	.00004615	0.	0.
72 CEMENT,CONCRT	.00024651	.00005577	0.	.00019689	.00003588	.00001706	0.	0.
73 BLAST FURNACE	.00247022	.02559193	0.	.00050613	.00008832	.00552704	0.	.00031948
74 PRI STEEL,IRO	.01858487	.00032687	0.	.00015563	.00002760	.00001405	0.	.00036354
75 FOUNDRIES	.01654967	.00015182	0.	.00044872	.00008004	.00004615	0.	.00231346
76 NONFER SMELTG	.00073013	.00397666	0.	.00091919	.16058235	.00008679	0.	.00016525
77 AL SMLT ROL DR	.04503345	.00163435	0.	.00385303	.00018216	.00166910	0.	.00100250
78 CAST,FORGINGS	.00470882	.00037180	0.	.00018074	.00002484	.00008478	0.	.02522777
79 FABRI STEEL	.00024338	.00030673	0.	.00043975	.00006072	.00016204	0.	0.
80 PLATE WORK	.00089278	.00004647	0.	.00015406	.00002484	.00025486	0.	0.
81 SH MET,ARCH	.01685771	.00019829	0.	.00087120	.00009384	.00009733	0.	.00008813
82 METAL DOORS	.00000745	0.	0.	.00000762	0.	0.	0.	0.
83 FAB MET PROD	.01607820	.00027420	0.	.00190364	.00014904	.00016305	.00727303	.01066396
84 PLUMBING	.00329049	.00004957	0.	.00018590	0.	.00000853	0.	0.
85 BOLTS,NUTS,SC	.00444507	.00228964	0.	.00097839	.00153729	.00049165	.00042285	.00027541
86 ELCTPLT,CT,EN	.00232208	.00020449	0.	.00042517	.00497620	.00034516	0.	.02272702
87 VALVE,PIPE FT	.00128194	.00565129	0.	.00061175	.00036707	.00004916	0.	.00009915
88 OTH FAB MET P	.00035311	.00024941	0.	.00094453	.00002484	.00357349	0.	0.
89 FM,CONS,IND M	.00000431	0.	.00036655	.00000583	0.	0.	0.	0.
90 MTL HDL MC,EQ	.00003527	.00002014	0.	.00020407	0.	.00000652	0.	0.
91 MIN MACH,EQU	.00551812	.00024012	0.	.00010091	.00006348	.00005318	0.	.00006610
92 ENGINES	.00043345	.00598436	0.	.00034601	.00006348	.00002107	0.	0.
93 METAL WK MACH	.00289858	.00046010	.00257868	.00012692	.00033395	.00011940	.00279082	.00540910
94 IND PROC MACH	.00215395	.00014097	0.	.00008768	.00006072	.00028897	0.	0.
95 GEN IND MACH	.00049067	.00085358	0.	.00021662	.00010488	.00120504	0.	.00012118
96 REFRIG MACH	.00006976	.00001859	0.	.00002422	.00006072	.00062409	0.	0.
97 COMPU,ACCT MACH	.01762468	.00037180	0.	.00369673	.00016284	.00672757	0.	.00015423
98 ELEC INST,AP	.00133093	.01175494	0.	.00105262	.00004416	.00073246	0.	.00006610
99 ELEC HSLD EQ	0.	0.	0.	.00000292	0.	0.	0.	0.
100 ELEC COMM EQ	.00225859	.01519250	0.	.04479531	.02527289	.01065174	0.	.04061780

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 97 *	* SECTOR 98 *	* SECTOR 99 *	* SECTOR 100 *	* SECTOR 101 *	* SECTOR 102 *	* SECTOR 103 *	* SECTOR 104 *
101 OTH ELEC APP	.00018263	.00010999	0.	.00883761	.01909336	.00221292	0.	0.
102 AIRCRAFT	.00001176	0.	0.	.00000695	0.	.00191844	0.	0.
103 AIRCRAFT ENG	0.	0.	0.	0.	0.	.00052677	.00997928	0.
104 OTH AIRCRAFT	.00000862	0.	0.	.00000516	0.	.00126575	.02262252	.00020931
105 MOTOR VHCL,P	.00013678	.01345590	0.	.00001547	.00030911	.00005769	0.	0.
106 SHIP,BT BLDG	.00010974	0.	0.	.00000157	0.	0.	0.	0.
107 OTH TRANS EQ	.00003018	.00002169	0.	.00001727	0.	.00000502	0.	0.
108 SCIENTIF INS	.00001528	0.	0.	.00060098	0.	.00000853	0.	0.
109 MECH MSRG DV	.00002979	.00001704	0.	.00006795	0.	.00021723	0.	0.
110 MEDICAL INST	.00039975	.00020759	0.	.00005965	0.	.00030051	0.	0.
111 PHO,TH,OPT I	.00000509	0.	0.	.00000987	0.	.00005719	0.	0.
112 GAMES,TOYS	0.	0.	0.	.00000179	0.	0.	0.	0.
113 OTH MFG IND	.00162879	.00142212	.01695755	.00039154	.00012972	.00077861	0.	.00235753
114 RAIL TRANS	.00360206	.00316181	.00102890	.00047877	.00381426	.00221543	.00245253	.00048473
115 INTERCTY HGY	.00002312	0.	0.	0.	0.	0.	0.	0.
116 MOTOR FRT STR	.00436277	.00898971	0.	.00302623	.00638377	.00439625	.00794960	.00657685
117 WATER TRANS	.00060315	.00168392	0.	.00043527	.00152901	.00139167	0.	.00016525
118 AIR TRANS	.00130389	.00065684	0.	.00113537	.00074519	.00147144	.00621591	.00068302
119 PIPELINE TRN	.00075600	.00215487	0.	.00040140	.00195405	.00171475	0.	.00020931
120 LOC,SUB TRAN	0.	0.	0.	0.	0.	0.	0.	0.
121 OTH TRAN SER	.00067252	.00028349	0.	.00036306	.00025668	.00036773	0.	0.
122 TELEP,TELEGR	.00348802	.00537709	0.	.00599863	.00212240	.00210908	.00321367	.00412017
123 RADIO, TV	.00014266	.00026181	0.	.00003947	.00018768	.00023128	0.	0.
124 OTH COMMUNIC	.00000353	.00001394	0.	.00000942	0.	.00004816	0.	0.
125 GAS SERVICES	.00361265	.00746070	0.	.00191149	.00718692	.00558925	.00845702	.00138808
126 ELEC SERVICES	.00727938	.01553641	0.	.00501732	.01063962	.00603776	.01501121	.00615822
127 WATER,SANI SERV	.00079480	.00101314	.00387123	.00058708	.00151521	.00084734	0.	.00071607
128 WHL AUT PT,S	.00082302	.00192559	0.	.00004395	.00018216	.00024582	0.	.00007712
129 WHL GRO,RELP	.00014148	.00014717	0.	.00003005	.00011040	.00012191	0.	.00012118
130 WHL FM PROD	.00030256	.00086442	0.	.00016056	.00078383	.00068630	0.	.00008813
131 WHL LIVESTOC	.00001607	.00004647	0.	.00000852	.00004140	.00003662	0.	0.
132 WHL MAC,EQ,S	.02274815	.01925591	.03466747	.00125422	.00322915	.00575782	.00076113	.00243464
133 WHL PET,PETP	.00067448	.00073275	0.	.00035207	.00058511	.00117444	0.	.00025338
134 GEN WHL	.04819305	.01409880	0.	.02723894	.00967364	.00778261	.01547634	.04377954
135 LUMBER YARDS	.00012698	.00001704	0.	.00001884	.00001932	.00001806	0.	.00022033
136 FARM EQ DEAL	.00010934	.00111849	0.	.00000381	0.	.00006672	0.	.00014321
137 HDW,HT,E,P,W	.00155511	.00010379	0.	.00017424	.00009108	.00015803	0.	.00080420
138 DEPT,VAR STO	.00324817	.00097287	0.	.00244722	.00205065	.00043697	0.	.00439558
139 FOOD STORES	.00012776	.00002324	0.	.00001121	0.	.00004264	0.	.00007712
140 AUTO DEAL,RP	.00086691	.00227570	0.	.00029982	.00027048	.00035971	.00054971	.00160841
141 GAS SER STAT	.00039662	.00007591	0.	.00001525	.00008004	.00003712	0.	.00012118
142 APPRL ACC ST	.00018616	0.	0.	0.	.00013524	.00000452	0.	0.
143 FURN,HM F,EQ	.00056592	.00107356	0.	.00352047	.00304975	.00014047	0.	.00439558
144 EAT,DRINK PL	.00096332	.00032222	0.	.00016482	.00053267	.00014198	.00054971	.00095843
145 OTHER RETAIL	.00086064	.00144845	0.	.00045545	.00046091	.00030803	.00025371	.00083725
146 BANK,CRD AGE	.01009801	.01421498	.02063586	.00324823	.02190023	.00447652	.00329824	.01077413
147 INSURANCE CA	.00897988	.00504713	0.	.01197820	.00741323	.00171525	.00257939	.00618025
148 F.I.R.E. NEC	.01034256	.00547779	0.	.00584838	.01325053	.00133097	0.	.01317572
149 LEGAL SERVIC	.00262934	.00250807	.00074595	.00528350	.00589526	.00074851	.00080342	.00117876
150 LODGING SERV	.00074385	.00024786	0.	.00014621	.00047747	.00016305	.00046514	.00023135

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 97 *	SECTOR 98 *	SECTOR 99 *	SECTOR 100 *	SECTOR 101 *	SECTOR 102 *	SECTOR 103 *	SECTOR 104 *
151 PERSONAL SER	.00058042	.00024941	0.	.00001861	.00104050	.00009783	.00029600	0.
152 ADVERTISING	.00025043	.00040898	.00127326	.00029287	.00034775	.00034014	0.	.00039659
153 DUPL, ADDRESS	.00004350	0.	0.	0.	.00001932	.00003712	0.	0.
154 PRI EMPL AGE	.00013952	.00024012	0.	.00062745	.00009384	.00008679	0.	0.
155 PHOTO SERVIC	.00009602	.00022618	0.	.00043571	.00020424	.00065871	0.	0.
156 RESRCH, DEVEL	.00026807	.00057628	0.	.00012289	.00028980	.00922696	0.	0.
157 OTHER BUS SE	.00149985	.00138339	0.	.00360994	.00290347	.00187027	.00520107	.00564044
158 MTN PCT, AM, R	.00003802	.00001394	0.	.00001032	0.	.00001054	0.	0.
159 AUTO RENT SE	.00080264	.01254345	0.	.00027313	.00078107	.00062911	0.	.00012118
160 AUTO PARKING	0.	0.	0.	0.	0.	0.	0.	0.
161 ELEC REP SHP	.00019831	.00061036	0.	.00003005	.00003036	.00003361	0.	0.
162 MISC REP SER	.00056200	.00050192	0.	.00046913	.00064307	.00036824	.00152226	.00071607
163 PHYS, DENT SE	.00002508	.00008210	0.	.00001973	.00029256	.00001204	0.	0.
164 HOSP, LAB SER	.00001960	.00001084	0.	.00000202	0.	.00000903	0.	0.
165 OTH MED SERV	.00002391	.00001549	0.	.00000269	0.	.00001154	0.	0.
166 ED (PUB, PRI)	.00166523	.00221373	.00239219	.00185094	.00223556	.00216075	.00059199	.00042964
167 COLL, UNIV	.00124902	.00098371	.00107391	.00043078	.00125578	.00105654	.00038057	.00034151
168 OTH ED SERV	.00005369	0.	0.	0.	0.	0.	0.	0.
169 ENG, ARCH SER	.00334771	.00090315	0.	.00030004	.00069827	.00145187	.00029600	.00007712
170 COMPU, ACCT SERV	.00259799	.00446155	.10216969	.00093848	.00199269	.00544928	0.	.00302954
171 OTH PROF SER	.00001137	.00000929	0.	.00001884	0.	.00013244	0.	0.
172 OTHER SERVIC	.00093275	.00034546	0.	.00058775	.00035879	.00078413	0.	.00015423
173 ORD, ORD ACCS	0.	0.	0.	0.	0.	0.	0.	0.
174 OUTDOOR REC	.00006153	.00008056	0.	.00004283	.00007176	.00018913	0.	0.
175 SCRAP	.00018773	.00053446	0.	.00009867	.00048023	.00042091	0.	0.
176 HOUSEHOLDS	.26278065	.25699286	.24465294	.37758297	.17899676	.25319898	.46957588	.32503057
177 PROP PAY	.09154324	.05483830	.04224274	.04789867	.05773270	.01478159	.04955812	.09159111
178 FEDERAL GOVT	.02084738	.03722603	.02023716	.03735297	.03254537	.01705321	.04782443	.05401386
179 STATE GOVT	.00127332	.00104413	.00151763	.00245686	.00059339	.00122060	.00054971	.00110165
180 LOCAL GOVT	.00107815	.00248174	.00100318	.00065391	.00114538	.00047660	.00012686	.00192789
181 DEPRECIATION	.02086423	.01160002	.01695755	.01390897	.01231767	.00427635	.01412322	.01084023
182 IMPORTS	.19491870	.37331530	.45317866	.31718494	.20001656	.57284941	.26259038	.26258910
TOTAL DIRECT REQ	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 105	* SECTOR 106	* SECTOR 107	* SECTOR 108	* SECTOR 109	* SECTOR 110	* SECTOR 111	* SECTOR 112 *
1 IRR COTTON	.00003867	.00030171	.00004962	0.	.00007528	.00016382	0.	.00014416
2 IRR FOOD GRAIN	.00005495	.00042761	.00007108	0.	.00010915	.00023403	0.	.00020314
3 IRR FEED GRAIN	.00000814	.00006414	.00001073	0.	0.	.00003640	0.	0.
4 OTHER IRR CROP	.00005190	.00040148	.00006706	0.	.00010162	.00021843	0.	.00019659
5 DRYLAND COTTON	.00002391	.00018292	.00002950	0.	.00004893	.00010141	0.	.00008519
6 DRY FOOD GRAIN	.00002086	.00015917	.00002682	0.	.00004140	.00008841	0.	.00007863
7 DRY FEED GRAIN	.00004478	.00034684	.00005767	0.	.00008657	.00018982	0.	.00016382
8 OTHER DRY CROP	.00002035	.00015917	.00002682	0.	.00004140	.00008841	0.	.00007863
9 RANGE LIVESTOCK	.00011448	.00088611	.00014752	.00008890	.00022583	.00048626	.00005664	.00043249
10 FEEDLOT LIVSTK	.00041316	.00320948	.00052974	.00032597	.00082053	.00175520	.00020082	.00155959
11 DAIRY	.00008955	.00069369	.00011399	0.	.00017690	.00037964	.00004634	.00034075
12 POULTRY, EGGS	.00004274	.00033021	.00005499	0.	.00008281	.00017942	0.	.00016382
13 AG SUP EX FMC	0.	0.	0.	0.	0.	0.	0.	0.
14 COTTON GINNING	0.	0.	0.	0.	0.	0.	.00007209	0.
15 AGRIC SERVICES	0.	0.	0.	0.	0.	0.	0.	0.
16 PRIM FORESTRY	.00004783	.00036822	.00006169	0.	.00009410	.00020282	0.	.00018348
17 FISHERIES	.00002646	.00020193	.00003353	0.	.00005269	.00011181	0.	.00009829
18 CRUDE PETRO	.00197267	.01531335	.00253066	.00155579	.00391068	.00837557	.00095774	.00746376
19 NATRL GAS LQDS.	.00031699	.00232575	.00041038	.00023707	.00059469	.00127415	.00014933	.00113365
20 OIL, GAS FLDV	.00008497	.00066043	.00010863	0.	.00016937	.00036144	.00004119	.00032109
21 LIGNITE, OTH MINE	.00013484	.00092887	.00015289	.00008890	.00023712	.00050966	.00005664	.00045870
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM, ED, INST	0.	0.	0.	0.	0.	0.	0.	0.
24 INDUS CONS	0.	0.	0.	0.	0.	0.	0.	0.
25 FACILITY CONS	0.	0.	0.	0.	0.	0.	0.	0.
26 MAINTEN, REPR	.00202356	.03030123	.00191241	.00120018	.00587919	.00332318	.00590092	.00363031
27 MEAT PRODUCTS	.00002748	.00021381	.00003487	0.	.00005646	.00011701	0.	.00010485
28 POULTRY PROD	0.	.00001188	0.	0.	0.	0.	0.	0.
29 DAIRIES	.00000916	.00007127	.00001207	0.	0.	.00003900	0.	0.
30 OTH GRAIN MIL	.00006920	.00053689	.00008851	0.	.00013550	.00029383	.00003604	.00026212
31 ANIMAL FEEDS	.00001069	.00008315	.00001341	0.	.00002258	.00004681	0.	.00003932
32 BAKERY PROD	0.	0.	0.	0.	0.	0.	0.	0.
33 CNND, PSVP, PCK	.00000560	.00004276	0.	0.	0.	.00002340	0.	0.
34 OTH FOOD PROD	.00002697	.00020906	.00003487	0.	.00005269	.00011441	0.	.00009829
35 BEVERAGES	.00027629	.00034209	.00007242	.04759224	.00014303	.00022103	.00003604	.00020314
36 TEXTILE MILL	.00004274	.00020430	.00275865	0.	.00005269	.00019242	0.	.00021625
37 MBWMC FURN	0.	.00001663	.00024274	0.	0.	0.	0.	0.
38 RELATED APPRL	.00000560	.00031834	.00015825	0.	0.	.00002340	0.	0.
39 LOGGING	.00004885	.00037773	.00006303	0.	.00009786	.00020802	0.	.00018348
40 LUMBER MILLS	.00059328	.00014491	.00085026	0.	.00003387	.00005201	0.	.00010485
41 MILLWORK, WOOD	.00075305	.01386658	.00941991	.00013335	.00024842	.00032244	.00030380	.00049802
42 WOOD FURN, FIX	.00006818	.00004989	.02314475	0.	0.	.00001820	0.	.00005242
43 MET FURN, FIX	.00001018	0.	.00002146	0.	0.	0.	0.	0.
44 PAPER, PAP MIL	.00251405	.00092887	.00080466	.00014817	.00029358	.00050706	.00012358	.00057010
45 PAP EX BOX, CT	.00069301	.00038723	.00029102	.00197066	.00010539	.00020022	.00047887	.00021625
46 BOXES, PAP CNT	.00282596	.00080059	.00095755	.00453401	.00197980	.00470394	.00484535	.01208356
47 NEWSPAPERS	.00003206	.00014491	.00014216	0.	.00006399	.00003380	0.	.00011795
48 PUBLISHING	.00033429	.00035872	.00119626	.00314121	.00036510	.00010661	0.	.00167099
49 PRINTING	.00056631	.00022093	.00046536	0.	.00024465	.00306055	.00461878	.00122539
50 MANFLD BUS FM	.00076170	.00007127	.00016630	.00010372	.00005646	.00004421	.00006179	.00004587

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 105 *	* SECTOR 106 *	* SECTOR 107 *	* SECTOR 108 *	* SECTOR 109 *	* SECTOR 110 *	* SECTOR 111 *	* SECTOR 112 *
51 OTH PRNT,PUBS	.00037652	.00018055	.00004828	.00016299	.00015432	.00069428	0.	.00053734
52 CHLOR,ALKALIE	.00119521	.00066043	.00026554	.00013335	.00018067	.00034584	.00007209	.00030143
53 CYCCRD INT,IG	.00260869	.00141350	.00058606	.00022226	.00040274	.00076189	.00016477	.00067495
54 ORG CHEM	.01094460	.00592008	.00252127	.00093347	.00169375	.00329978	.00069513	.00286362
55 INORG CHEM	.00164195	.00089324	.00036880	.00017780	.00025218	.00047846	.00010298	.00043904
56 FIBERS,PLASTI	.01314625	.00132323	.00053510	.00300785	.00036886	.00889043	.00396999	.22945663
57 SYN RUBBER	.00043351	.00014491	.00006035	.00026671	.00004140	.00007801	0.	.00041283
58 DRUGS	0.	.00001425	0.	0.	0.	.00018202	0.	0.
59 AGRI CHEMICAL	.00001170	.00009265	.00001475	0.	.00002258	.00005201	0.	.00004587
60 SPS,CLNS,TOIL	.00004936	.00026607	.00038624	0.	.00004893	.00012481	0.	.00021625
61 PAINT,VARNISH	.00053222	.00611013	.00455841	.00023707	.00003387	.00418648	0.	.00006553
62 OTH CHEMICALS	.00009667	.00076971	.00144169	0.	.00018819	.00040045	.00004634	.00303400
63 PETRO REFING	.00232834	.01356488	.00970020	.00220773	.00996300	.00765008	.00156019	.00718199
64 OTH PETRO PRD	.00000509	.00003801	.00002012	0.	0.	.00002080	.00003089	0.
65 TIRES	.00908896	.00057490	.00244751	0.	0.	.00003900	0.	.00003276
66 FAB RUBBER PR	.00002951	.00022806	.00378727	.00010372	.00005646	.00012481	0.	.00013106
67 PLASTIC PRODS	.00135446	.00072219	.00886603	.00411913	.00021078	.02135106	.00040678	.01389217
68 LEATHER,L PRD	.00012008	.00006177	.00100314	0.	0.	.00002600	0.	.00788315
69 GLASS	.00070776	.00037773	.00917583	0.	.00010915	.00152118	.04067825	.00018348
70 CLAY	.00001577	0.	.00014216	0.	0.	0.	0.	0.
71 CUT ST,CL,SH	.00811305	.00030408	.00020653	.00010372	.00191958	.00010141	0.	.00008519
72 CEMENT,CONCRT	.00033633	.00018055	.00007510	0.	.00005269	.00009881	0.	.00008519
73 BLAST FURNACE	.00627419	.06691928	.01764489	.00008890	.00017690	.03811000	.00006179	.00034730
74 PRI STEEL,IRO	.00218129	.00038248	.00161871	.00226700	.00084311	.00818834	.00739417	.00007208
75 FOUNDRIES	.00082988	.00045137	.00974982	.00013335	.00021078	.00021843	.00005149	.00024901
76 NONFER SMELTG	.00178899	.00088849	.00047877	.00019262	.00024465	.00046545	.00010298	.00925926
77 AL SMLT ROL DR	.00274506	.00836699	.01720501	.00074085	.00188194	.02652046	.00010813	.00045215
78 CAST, FORGINGS	.00030427	.00032784	.00113457	0.	.00003764	.00006761	.00006179	.00006553
79 FABRI STEEL	.00369756	.00858555	.02237228	0.	.00009033	.00016902	.00003604	.00039973
80 PLATE WORK	.00024169	.00049651	.00170186	0.	.00003764	.00008841	0.	.00006553
81 SH MET,ARCH	.00172743	.00103103	.04201943	.00037043	.00156578	.00163559	.00022141	.00022935
82 METAL DOORS	.00001933	0.	.00161871	0.	0.	0.	0.	0.
83 FAB MET PROD	.01842265	.00094550	.00241399	.00200030	.00021831	.00041605	.00837251	.00042594
84 PLUMBING	.00011652	.00025419	.01945940	0.	.00009410	.00002340	0.	.00004587
85 BOLTS,NUTS,SC	.00881979	.00054164	.01416339	.00537857	.00014303	.00121694	.00005664	.00070116
86 ELCTPLT,CT,EN	.00041367	.00013066	.00037685	.00075567	.00003764	.00009621	0.	.00018348
87 VALVE,PIPE FT	.00095505	.00027932	.00022799	0.	.00022583	.01558620	.00006694	.00029488
88 OTH FAB MET P	.00022083	.00011641	.00032723	.00020744	.00056082	.00459993	0.	.00071427
89 FM,CONS,IND M	0.	0.	.00010192	0.	0.	0.	0.	0.
90 MTL HOL MC,EQ	.00000865	.00006652	.00021726	0.	0.	.00003640	0.	.00003276
91 MIN MACH,EQU	.00004172	.00032309	.00005364	0.	.00087322	.00017682	0.	.00015727
92 ENGINES	.00005495	.00183874	.00017568	0.	.00005646	.00011961	0.	.00010485
93 METAL WK MACH	.00001832	.00034684	.00635280	0.	.00003764	.00007801	0.	.00006553
94 IND PROC MACH	.00002035	.00422150	.00008181	0.	.00004140	.00008841	.00029865	.00007863
95 GEN IND MACH	.00006971	.00792274	.00608190	0.	.00013550	.00148477	.00048402	.00025556
96 REFRIG MACH	.00000560	.00004514	.00052035	0.	0.	.00002340	0.	0.
97 COMPU,ACCT MACH	.00154832	.00143726	.00077784	.02117351	.00797567	.00055386	.13701875	.00039973
98 ELEC INST,AP	.00509476	.00079821	.00160932	.00034079	.00132865	.00022623	.00081871	.00018348
99 ELEC HSLD EQ	.00001221	.00007127	.00020653	0.	0.	0.	0.	0.
100 ELEC COMM EQ	.00052561	.00052739	.00035673	.00188176	.00007904	.00015342	.00003604	.00020969

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 105	* SECTOR 106	* SECTOR 107	* SECTOR 108	* SECTOR 109	* SECTOR 110	* SECTOR 111	* SECTOR 112 *
101 OTH ELEC APP	.00117231	.00028745	.00015020	.02283301	.00008657	.00015862	.00048402	.00014416
102 AIRCRAFT	.00000305	.00002138	0.	0.	0.	0.	0.	0.
103 AIRCRAFT ENG	0.	0.	0.	0.	0.	0.	0.	0.
104 OTH AIRCRAFT	0.	.00001663	.00000805	0.	0.	0.	0.	0.
105 MOTOR VHCL,P	.02544837	.00004751	.00220075	0.	0.	.00002340	.00006694	.00032109
106 SHIP,HT BLDG	0.	.00141350	0.	0.	0.	0.	0.	0.
107 OTH TRANS EQ	.00079273	.00005464	.02147642	0.	0.	.00003120	0.	0.
108 SCIENTIF INS	.00003511	.00001901	.00000805	.11081642	.00079042	0.	0.	0.
109 MECH MSRG DV	.00010176	.00005464	.00002280	.00020744	.02909106	.00002860	0.	0.
110 MEDICAL INST	.00008548	.00003563	.00021860	0.	0.	.00047846	.00146236	0.
111 PHO, TM, OPT I	.00001679	0.	.00001207	0.	.00047049	0.	.00301225	0.
112 GAMES, TOYS	.00000560	0.	0.	0.	0.	0.	0.	.00145475
113 OTH MFG IND	.00063602	.00019955	.00018373	.00111128	.01298916	.00412148	.00005149	.00053734
114 RAIL TRANS	.00468873	.00197415	.00379130	.01200178	.00287561	.00741346	.00173526	.00252942
115 INTERCTY HGY	0.	.00002138	0.	0.	0.	.00048366	0.	0.
116 MOTOR FRT STR	.01915789	.00279612	.02014336	.01924730	.00619159	.01858174	.00992755	.00798800
117 WATER TRANS	.00033633	.00231149	.00148997	.00769003	.00043661	.00405647	.00083416	.00040628
118 AIR TRANS	.00047371	.00079346	.00045597	.00401541	.00274764	.00646695	.00197212	.00376137
119 PIPELINE TRN	.00043046	.00128522	.00169918	.00985331	.00055705	.00466234	.00106587	.00052423
120 LOC, SUB TRAN	0.	0.	0.	0.	0.	0.	0.	0.
121 OTH TRAN SER	.00005648	.00016867	.00083282	.00198548	.00007151	.00061367	.00013903	.00006553
122 TELEP, TELEGR	.00194774	.00166770	.00301882	.00560083	.00473120	.00547103	.00597816	.00281775
123 RADIO, TV	.00006462	.00012828	.00023738	.00082975	.00004893	.00039265	.00014933	.00013761
124 OTH COMMUNIC	.00000356	0.	.00006706	0.	0.	.00002080	0.	0.
125 GAS SERVICES	.00273539	.00563976	.00556424	.02755964	.00538612	.01504014	.00502557	.00193311
126 ELEC SERVICES	.00661256	.01022949	.00583380	.02272929	.00787028	.01458768	.01219832	.00756861
127 WATER, SANI SERV	.00067113	.00096688	.00080198	.00370425	.00469733	.00352081	.00168377	.00066184
128 WHL AUT PT, S	.00467092	.00019955	.00016630	.00082975	.00004517	.00141196	.00008754	.00006553
129 WHL GRO, RELP	.00024220	.00033972	.00011668	.00057786	.00003011	.00038484	.00009268	.00408901
130 WHL FM PROD	.00022083	.00055827	.00067860	.00394132	.00022207	.00188522	.00042738	.00108123
131 WHL LIVESTOC	.00000916	.00002613	.00003621	.00020744	0.	.00009881	0.	0.
132 WHL HAC, EO, S	.00840511	.01540600	.01339628	.01523189	.00139264	.01133991	.01243519	.00214935
133 WHL PET, PETP	.00527692	.00099539	.00203848	.00257816	.00014679	.00238448	.00033469	.00013761
134 GEN WHL	.01720608	.03296432	.08217339	.05528226	.00795685	.02969283	.00464968	.04592278
135 LUMBER YARDS	.00009362	.00045850	.00074565	0.	0.	.00016902	.00004634	0.
136 FARM EQ DEAL	.00008345	.00047750	.00001073	0.	0.	.00013782	0.	.00026867
137 HDW, HT, E, P, W	.00050627	.00064142	.00009790	.00011854	.00005646	.00128195	.00003604	.00009174
138 DEPT, VAR STO	.00167553	.00159880	.00019044	.00010372	0.	.00270171	.00011843	.00182826
139 FOOD STORES	.00009922	.00009978	.00002012	0.	0.	.00016122	.00003089	.00143509
140 AUTO DEAL, RP	.00564377	.00043474	.00316098	.00088902	.00003764	.00060067	.00010298	.00082567
141 GAS SER STAT	.00038008	.00014254	.00066787	.00035561	.00071137	.00052526	.00005149	.00013761
142 APPRL ACC ST	0.	0.	0.	0.	0.	0.	0.	0.
143 FURN, HM F, EQ	.00083954	.00025657	.00003219	0.	0.	.00043165	0.	0.
144 EAT, DRINK PL	.00005444	.00051314	.00018239	.00081494	.00553667	.00177600	.00087021	.00022280
145 OTHER RETAIL	.00147302	.00054877	.00016496	.00057786	.00009033	.00095691	.00013903	.01055674
146 BANK, CRD AGE	.00183479	.00409797	.00498622	.01666914	.01190140	.01506874	.00746111	.00195932
147 INSURANCE CA	.00271453	.00990165	.00802382	.00748259	.00557431	.00759808	.00620987	.01488821
148 F. I. R. E. NEC	.00243112	.00150853	.00248238	.00640095	.00597705	.00881242	.01458238	.00174963
149 LEGAL SERVIC	.00167095	.00198603	.00103801	.00287450	.02327962	.00402786	.00807901	.00075358
150 LODGING SERV	.00017859	.00024469	.00044391	.00094829	.00799073	.00076189	.00069513	.00022935

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 105 *	* SECTOR 106 *	* SECTOR 107 *	* SECTOR 108 *	* SECTOR 109 *	* SECTOR 110 *	* SECTOR 111 *	* SECTOR 112 *
151 PERSONAL SER	.00014756	.00006414	.00057265	.00045933	.00144910	.00077229	.00036044	0.
152 ADVERTISING	.00015671	.00017580	.00068664	.00103719	.00395584	.00264711	.00020082	.00642840
153 DUPL, ADDRESS	0.	0.	0.	0.	0.	0.	0.	0.
154 PRI EMPL AGE	.00002035	.00481066	.00038221	.00047414	.00002635	.00022103	.00009268	0.
155 PHOTO SERVIC	.00004528	.00014491	.00079259	.00103719	.00006022	.00048886	.00020597	.00005242
156 RESRCH, DEVEL	.00011652	.00018292	.00025213	.00140762	.00136629	.00081909	.00014933	.00007208
157 OTHER BUS SE	.00079680	.00142301	.00259235	.00465254	.00545763	.00307615	.00104528	.00186758
158 MTN PCT, AM, R	0.	.00003088	.00006303	0.	.00013174	.00002860	0.	0.
159 AUTO RENT SE	.00601165	.00206443	.00077918	.00299304	.00274387	.00147957	.00057156	.00019003
160 AUTO PARKING	0.	0.	0.	0.	0.	0.	0.	0.
161 ELEC REP SHP	.00012313	.00001901	.00004157	.00082975	.00074901	.00018202	.00004634	0.
162 MISC REP SER	.00047829	.00053689	.00172063	.00180768	.00059469	.00124814	.00096289	.00046526
163 PHYS, DENT SE	.00001221	0.	.00008047	0.	0.	.00014562	0.	0.
164 HOSP, LAB SER	.00000967	0.	.00000939	0.	0.	.00331798	0.	0.
165 OTH MED SERV	.00001170	0.	.00002414	0.	0.	.00003120	0.	0.
166 ED(PUB, PRI)	.00276286	.00163919	.00156238	.00779375	.00092968	.00604830	.00121005	.00171686
167 COLL, UNIV	.00165874	.00063192	.00138804	.00389687	.00041026	.00198663	.00134393	.00114021
168 OTH ED SERV	0.	0.	0.	0.	0.	0.	0.	0.
169 ENG, ARCH SER	.00015417	.00104766	.00248909	.00352645	.00266859	.00166939	.00070028	.00018348
170 COMPU, ACCT SERV	.00073778	.00099539	.00133037	.00477108	.00227715	.00360922	.00604510	.00313884
171 OTH PROF SER	0.	0.	.00001743	0.	0.	.00001820	.00055096	.00005898
172 OTHER SERVIC	.00037958	.00019243	.00072017	.00128908	.00699330	.00174480	.00065394	.00407591
173 ORD, ORD ACCS	0.	0.	0.	0.	0.	0.	0.	0.
174 OUTDOOR REC	.00020963	.00007364	.00011802	.00037043	0.	.00017422	.00006694	0.
175 SCRAP	.00044216	.00031596	.00041574	.00242999	.00013550	.00114413	.00026261	.00037352
176 HOUSEHOLDS	.18812661	.32988074	.20777035	.25649726	.19935035	.22228145	.34298970	.28242379
177 PROP PAY	.03825523	.02315769	.03707345	.02323307	.13824370	.08077832	.05046162	.07066656
178 FEDERAL GOVT	.04113665	.01037678	.01565201	.00320047	.03481969	.06079242	.02176544	.05326859
179 STATE GOVT	.00183682	.00103340	.00147387	.00042969	.00072643	.00078789	.00108647	.00154649
180 LOCAL GOVT	.00336479	.00292441	.00035807	.00120018	.00073772	.00334139	.00418625	.00086498
181 DEPRECIATION	.03438112	.01698817	.00580429	.00016299	.01189764	.01460589	.01790358	.00919373
182 IMPORTS	.43293822	.27948639	.26416640	.20210402	.38498888	.22901883	.22399811	.12668451
TOTAL DIRECT REQ	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 113	* SECTOR 114	* SECTOR 115	* SECTOR 116	* SECTOR 117	* SECTOR 118	* SECTOR 119	* SECTOR 120 *
1 IRR COTTON	.00002457	0.	0.	0.	0.	0.	0.	0.
2 IRR FOOD GRAIN	.00003350	0.	0.	0.	0.	0.	0.	0.
3 IRR FEED GRAIN	0.	0.	0.	0.	0.	0.	0.	0.
4 OTHER IRR CROP	.00003127	0.	0.	0.	0.	0.	0.	0.
5 DRYLAND COTTON	.00001340	0.	0.	0.	0.	0.	0.	0.
6 DRY FOOD GRAIN	.00001340	0.	0.	0.	0.	0.	0.	0.
7 DRY FEED GRAIN	.00002903	0.	0.	0.	0.	0.	0.	0.
8 OTHER DRY CROP	.00001340	0.	0.	0.	0.	0.	0.	0.
9 RANGE LIVESTOCK	.00007146	0.	0.	0.	0.	0.	0.	0.
10 FEEDLOT LIVSTK	.00025905	0.	0.	0.	0.	0.	0.	0.
11 DAIRY	.00005583	0.	0.	0.	0.	0.	0.	0.
12 POULTRY,EGGS	.00002680	0.	0.	0.	0.	0.	0.	0.
13 AG SUP EX FMC	0.	0.	0.	0.	0.	0.	0.	0.
14 COTTON GINNING	0.	0.	0.	0.	0.	0.	0.	0.
15 AGRI SERVICES	0.	0.	0.	0.	0.	0.	0.	0.
16 PRIM FORESTRY	.00002903	0.	0.	0.	0.	0.	0.	0.
17 FISHERIES	.00001563	0.	0.	0.	0.	0.	0.	0.
18 CRUDE PETRO	.00123274	0.	0.	.00001578	0.	0.	.00383386	0.
19 NATRL GAS LQDS.	.00034392	0.	0.	0.	0.	0.	0.	0.
20 OIL,GAS FLDSV	.00005360	0.	0.	0.	0.	0.	0.	0.
21 LIGNITE,OTH MINE	.00007593	.00301160	0.	.00000441	0.	0.	0.	0.
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	0.	0.	0.	0.	0.	0.	0.	0.
24 INDUS CONS	0.	0.	0.	0.	0.	0.	0.	0.
25 FACILITY CONS	0.	0.	0.	0.	0.	0.	0.	0.
26 MAINTEN,REPR	.00189378	.00065070	.00126767	.00405762	.00269001	.01654160	.02931483	.00054347
27 MEAT PRODUCTS	.00001787	0.	0.	0.	0.	0.	0.	0.
28 POULTRY PROD	0.	0.	0.	0.	0.	0.	0.	0.
29 DAIRIES	0.	0.	0.	0.	0.	0.	0.	0.
30 OTH GRAIN MIL	.00004243	0.	0.	0.	0.	0.	0.	0.
31 ANIMAL FEEDS	0.	0.	0.	0.	0.	0.	0.	0.
32 BAKERY PROD	0.	0.	0.	0.	0.	0.	0.	0.
33 CNND,PSVP,PCK	0.	0.	0.	0.	0.	0.	0.	0.
34 OTH FOOD PROD	.00001787	.00202434	0.	.00000348	0.	0.	0.	0.
35 BEVERAGES	.00008040	0.	0.	.00000232	0.	.00032536	0.	0.
36 TEXTILE MILL	.01233859	.00004144	0.	.00003343	.00010475	0.	0.	0.
37 MBWMC FURN	.00378756	0.	0.	.00012303	0.	.00024992	0.	0.
38 RELATED APPRL	0.	0.	0.	0.	0.	.00000403	0.	0.
39 LOGGING	.00628207	0.	0.	0.	0.	0.	0.	0.
40 LUMBER MILLS	.00190048	.00042503	0.	.00001625	.00007816	0.	0.	0.
41 MILLWORK,WOOD	.01389739	0.	0.	.00019731	.00013506	.00019925	.00000458	0.
42 WOOD FURN,FIX	.00217517	0.	0.	.00001578	.00008029	.00000633	.00000915	0.
43 MET FURN,FIXT	.00003573	0.	0.	.00000627	.00002818	.00000346	0.	0.
44 PAPER,PAP MIL	.00251908	.00318071	.00006972	.00009587	.00120862	.00000979	.00169458	0.
45 PAP EX BOX,CT	.01920131	.00021223	.00003803	.00096867	.00160369	.00001440	.00068808	0.
46 BOXES,PAP CNT	.00615255	0.	0.	.00069430	.00030681	.00001785	.00008052	0.
47 NEWSPAPERS	.00477464	0.	.00116625	.00005943	0.	.00011978	0.	0.
48 PUBLISHING	.00116798	.00002576	0.	.00001718	.00020525	.00000633	.00013908	0.
49 PRINTING	.00203447	.00108861	.00070356	.00011606	.00067051	.00001440	.00078233	0.
50 MANFLD BUS FM	.00089553	.00009352	0.	.00042851	.00033446	.00009444	.00009974	0.

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 113	* SECTOR 114	* SECTOR 115	* SECTOR 116	* SECTOR 117	* SECTOR 118	* SECTOR 119	* SECTOR 120 *
51 OTH PRNT,PUBS	.00143597	.00007224	0.	.00009610	.00010156	.00001843	.00001739	0.
52 CHLOR,ALKALIE	.00007146	0.	0.	.00003227	.00004360	0.	.00000549	0.
53 CYCCRD INT,I6	.00015856	0.	0.	.00000720	.00004945	0.	0.	0.
54 ORG CHEM	.00075037	.00153884	.00129936	.00107801	.00244542	.00256661	.00066795	0.
55 INORG CHEM	.00012953	.00011368	0.	.00001787	.00002659	0.	.00000732	0.
56 FIBERS,PLASTI	.02385982	0.	0.	0.	0.	0.	0.	0.
57 SYN RUBBER	.00001563	0.	0.	0.	0.	0.	0.	0.
58 DRUGS	.00090222	0.	0.	0.	0.	0.	0.	0.
59 AGR1 CHEMICAL	0.	0.	0.	0.	0.	0.	0.	0.
60 SPS,CLNS,TOIL	.00095136	.00019263	0.	.00013417	0.	.00006277	0.	0.
61 PAINT+VARNISH	.00088213	.00038247	0.	.00000116	.00022279	0.	0.	0.
62 OTH CHEMICALS	.00167046	.00040487	0.	0.	0.	0.	.00003386	0.
63 PETRO REFING	.00272677	.05432913	.05836344	.06599940	.10817580	.15011019	.01149334	.13033869
64 OTH PETRO PRD	.00003796	0.	0.	.00000720	.00001648	.00000346	0.	0.
65 TIRES	.00022109	.00112053	.00301705	.01211876	.00008189	.00004549	.00090494	.00009420
66 FAB RUBBER PR	.00592476	.00037855	0.	.00001416	0.	.00005413	0.	0.
67 PLASTIC PRODS	.02768758	.00052415	0.	.00002484	.00021907	.00021019	.00006131	0.
68 LEATHER,L PRO	.00341684	.00001120	0.	0.	0.	0.	0.	0.
69 GLASS	.00799496	.00042391	0.	.00000348	.00006700	0.	.00001830	0.
70 CLAY	0.	0.	0.	0.	0.	0.	0.	0.
71 CUT ST,CL,SH	.00040868	.00018703	.00006338	.00009239	.00204556	.00001209	.00489343	0.
72 CEMENT,CONCRT	.00240742	0.	0.	0.	.00010900	0.	.00000549	0.
73 BLAST FURNACE	.00044218	.00192747	0.	.00001741	.00045835	0.	.00009882	0.
74 PRI STEEL,IRO	.00485281	.00028727	0.	.00000279	.00009624	0.	.00001647	0.
75 FOUNDRIES	.00008933	.00030799	0.	.00004132	.00274637	.00001958	.00015281	0.
76 NONFER SMELTG	.00171959	.00004872	0.	0.	.00000744	0.	0.	0.
77 AL SMLT ROL DR	.00267541	.00007224	0.	.00000836	.00006115	.00000633	.00000732	0.
78 CAST,FORGINGS	.00058734	.00142348	0.	.00001393	.00024034	.00000979	.00006497	0.
79 FABRI STEEL	.00095359	0.	0.	0.	.00005902	.00000921	0.	0.
80 PLATE WORK	.00528829	0.	0.	.00000418	.00045410	0.	.00002288	0.
81 SH MET,ARCH	.01369863	0.	0.	.00000255	.00005370	.00007486	.00001281	0.
82 METAL DOORS	.00013176	0.	0.	0.	.00004041	.00000979	0.	0.
83 FAB MET PROD	.00130644	.00431972	.00006972	.00009889	.00097466	.00001382	.00021411	0.
84 PLUMBING	.00018536	0.	0.	.00001416	.00028075	0.	.00001464	0.
85 BOLTS,NUTS,SC	.01358250	.00656638	.00004437	.00005943	.00156966	.00000806	.00032940	0.
86 ELCTPLT,CT,EN	.00001563	0.	0.	0.	0.	0.	0.	0.
87 VALVE,PIPE FT	.00081513	.00026263	.00006972	.00007057	.00043229	.00004204	.00006039	0.
88 OTH FAB MET P	.00060297	.00021839	0.	.00004434	.00003882	.00000691	.00001098	0.
89 FM,CONS,IND M	0.	0.	0.	.00000371	0.	0.	0.	0.
90 MTL HDL MC,EQ	0.	0.	0.	0.	0.	0.	0.	0.
91 MIN MACH,EQU	.00002680	0.	0.	0.	0.	0.	0.	0.
92 ENGINES	.00055831	.00920446	0.	.00003459	0.	0.	.00442769	0.
93 METAL WK MACH	.00004690	.00266385	0.	.00000464	0.	.00002476	0.	0.
94 IND PROC MACH	.00038188	0.	0.	0.	.00001276	0.	0.	0.
95 GEN IND MACH	.00090446	.00131092	0.	.00001787	.00004679	0.	.00374693	0.
96 REFRIG MACH	.00004690	0.	0.	.00021959	.00004094	.00016758	0.	0.
97 COMPU,ACCT MACH	.00009380	0.	0.	.00009633	.00068965	.00104922	.00018392	0.
98 ELEC INST,AP	.00828305	.00260897	.00008240	.00011212	.00141546	.00000864	.00241194	0.
99 ELEC HSLD EQ	0.	0.	0.	.00001416	.00150266	0.	.00007595	0.
100 ELEC COMM EQ	.00007146	.00237209	.00005071	.00007753	.00144843	.00010538	.00219966	0.

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 113	* SECTOR 114	* SECTOR 115	* SECTOR 116	* SECTOR 117	* SECTOR 118	* SECTOR 119	* SECTOR 120
101 OTH ELEC APP	.00067220	.00226178	.00074159	.00174004	.00235768	.00008004	.00048587	0.
102 AIRCRAFT	0.	0.	0.	.00000789	0.	.00117994	0.	0.
103 AIRCRAFT ENG	0.	0.	0.	0.	0.	0.	0.	0.
104 OTH AIRCRAFT	0.	0.	0.	0.	0.	.00653660	0.	0.
105 MOTOR VHCL,P	.00004020	.00005152	.00036129	.02033172	.00050355	.00001612	.00002562	.01871712
106 SHIP,BT BLOG	0.	0.	0.	.00003877	.02847031	0.	0.	0.
107 OTH TRANS EQ	0.	.00369142	0.	.00000627	0.	0.	0.	0.
108 SCIENTIF INS	0.	0.	0.	0.	0.	0.	0.	0.
109 MECH MSR6 DV	0.	0.	.00005705	.00052252	.00159412	.00001152	.00403973	0.
110 MEDICAL INST	0.	0.	0.	0.	0.	0.	0.	0.
111 PHO,TH,OPT I	0.	0.	0.	0.	0.	0.	0.	0.
112 GAMES,TOYS	.00002680	0.	0.	0.	0.	0.	0.	0.
113 OTH MFG IND	.00365803	0.	.00006338	.00000878	.00031159	.00010826	.00003386	0.
114 RAIL TRANS	.00161909	.03007228	.00458896	.00325863	.00050727	.00125941	.00245769	.00073912
115 INTERCTY HGV	0.	.00536969	.00058947	.00003459	.00001276	.00012554	.00029189	.00009420
116 MOTOR FRT STR	.01128674	.00292312	.00789757	.05129913	.00080929	.00210823	.00415045	.00127534
117 WATER TRANS	.00008933	.00105333	.00195855	.00067503	.03434537	.00041980	.00114101	.00031884
118 AIR TRANS	.00189378	.00398149	.00191418	.00027554	.00004147	.00826763	.00097082	.00038405
119 PIPELINE TRN	.00011389	.00027551	0.	0.	0.	.00000633	.01463362	0.
120 LOC,SUB TRAN	.00001563	0.	0.	0.	0.	0.	0.	0.
121 OTH TRAN SER	.00001563	.01282700	.00315016	.00004805	.00077260	.00569929	.00156465	.00050724
122 TELEP,TELEGR	.00308186	.00666885	.01466692	.01400412	.00224921	.01417654	.03725155	.00721004
123 RADIO, TV	.00067667	0.	.00025353	.00024025	.00000319	.00026662	.00007046	.00006522
124 OTH COMMUNIC	0.	0.	0.	0.	0.	0.	0.	0.
125 GAS SERVICES	.00321138	.00202434	.00453825	.00752655	.00015845	.00178574	.01075585	.00228982
126 ELEC SERVICES	.01198798	.00290800	.01011599	.01286854	.00076782	.00316032	.04126841	.00603614
127 WATER,SANI SERV	.00105185	.00430964	.00102681	.00041389	.00035732	.00040829	.00461893	.00080434
128 WHL AUT PT,S	.00066327	0.	.01667617	.00704047	.01599225	.00206907	.00284749	.00464486
129 WHL GRO,RELP	.00002457	0.	0.	.00000162	0.	0.	0.	.00010869
130 WHL FM PROD	.00234489	0.	0.	.00000186	0.	0.	0.	0.
131 WHL LIVESTOC	0.	0.	.00112189	0.	0.	0.	0.	0.
132 WHL MAC,EQ,S	.00234266	0.	.00186347	.00008612	.00299256	.00439324	.00090860	.00048550
133 WHL PET,PETP	.00139577	.02555265	.01637193	.01041702	.00675773	.03131991	.00556413	.03652121
134 GEN WHL	.03315899	.00011536	.00552069	.00305343	.01427955	.00178690	.00208529	.00255069
135 LUMBER YARDS	.00031042	.00018199	.00003803	.00004550	.00005902	.00000749	.00001739	.00028260
136 FARM LQ DEAL	.00002903	0.	0.	.00000186	.00001542	.00000806	0.	.00005072
137 HDW,HT,E,P,W	.00071910	0.	0.	0.	.00012974	.00000346	.00000824	0.
138 DEPT,VAR STO	.00127964	0.	0.	.00000627	.00009837	.00003282	0.	.00009420
139 FOOD STORES	.00002903	0.	0.	.00000209	0.	0.	0.	0.
140 AUTO DEAL,RP	.00113448	.00086518	.00084300	.00897852	.00172174	.00462013	.00228750	.00255793
141 GAS SER STAT	.00042208	0.	.00098244	.00446361	.00002286	.00019407	.00094703	.00019565
142 APPRL ACC ST	0.	0.	0.	.00003807	.00001436	0.	0.	0.
143 FURN,HM F,EQ	.00091562	0.	0.	.00000371	0.	0.	0.	0.
144 EAT,DRINK PL	.00073697	0.	.00062750	.00054109	.00001382	.00267199	.00031293	.00012319
145 OTHER RETAIL	.00062754	0.	0.	.00000464	.00001755	.00000864	0.	0.
146 BANK,CRD AGE	.00782300	.00654454	.01604868	.02204530	.01649367	.02528720	.02721398	.00286228
147 INSURANCE CA	.00432800	.00109197	.02743868	.01916713	.03373973	.01842294	.00753504	.02925320
148 F.I.R.E. NEC	.01175795	.02190995	.04516702	.05584561	.05717777	.01458482	.03178625	.01173171
149 LEGAL SERVIC	.00450889	.00419820	.01128858	.01349947	.00489190	.00493455	.00366733	.00583325
150 LODGING SERV	.00083523	0.	.00076060	.00054597	.00001648	.00340276	.00037790	.00015217

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 113	* SECTOR 114	* SECTOR 115	* SECTOR 116	* SECTOR 117	* SECTOR 118	* SECTOR 119	* SECTOR 120 *
151 PERSONAL SER	.0003796	0.	.00031692	.00020195	0.	.00001612	.00003843	0.
152 ADVERTISING	.00138684	.00185523	.00361919	.00243689	.00030521	.00155425	.00065057	.00142027
153 DUPL, ADDRESS	.00002457	0.	.00012043	.00000186	0.	.00031212	.00005948	0.
154 PRI EMPL AGE	.00004466	0.	0.	0.	0.	0.	0.	0.
155 PHOTO SERVIC	.00010720	.00220970	.00024720	.00002368	.00000532	.00005586	.00012261	.000003623
156 RESRCH,DEVEL	.00002233	0.	0.	.00002205	.00006700	.00000403	.00000915	0.
157 OTHER BUS SE	.00515876	.00211394	.00235786	.00183289	.00190305	.00966064	.00121238	.00392748
158 MTN PCT,AM,R	0.	0.	0.	.00002600	0.	0.	0.	0.
159 AUTO RENT SE	.00124614	0.	.00105850	.00811338	.00004254	.00472954	.00052613	.00107969
160 AUTO PARKING	0.	0.	0.	0.	0.	0.	0.	0.
161 ELEC REP SHP	.00020992	.00044183	.00020917	.00050070	.00000479	.00004549	.00010523	0.
162 MISC REP SER	.00172852	0.	.00060214	.00001648	.00298140	.00313499	.02033500	.00017391
163 PHYS, LAB SER	0.	0.	0.	0.	.00000638	0.	0.	0.
164 HOSP, LAB SER	0.	0.	0.	0.	0.	0.	0.	0.
165 OTH MED SERV	0.	0.	0.	0.	0.	0.	0.	0.
166 EDIPUB, PRI)	.00561881	.00094973	.00758699	.00979283	.00156647	.00246814	.00455030	.00149273
167 COLL, UNIV	.00247219	.00046311	.00517842	.00512587	.00047377	.00068700	.00308996	.00046376
168 OTH ED SERV	0.	0.	.00003169	0.	.00023024	.00000749	.00001739	0.
169 ENG, ARCH SER	.00030149	0.	0.	0.	0.	0.	0.	0.
170 COMPU, ACCT SERV	.00264861	.00191459	.00495658	.00419272	.00114534	.00339009	.00382562	.00146375
171 OTH PROF SER	.00001787	0.	0.	0.	0.	0.	0.	0.
172 OTHER SERVIC	.01340161	.00294552	.00281422	.00009865	.01617251	.00060120	.00139904	.00044927
173 ORD, ORD ACCS	0.	0.	0.	0.	0.	0.	0.	0.
174 OUTDOOR REC	.0013846	.00005264	.00051341	.00092596	.00006806	.00008580	.00018392	.00005072
175 SCRAP	.00003573	0.	0.	0.	0.	0.	0.	0.
176 HOUSEHOLDS	.31058193	.44368069	.30761869	.38116105	.35544737	.30130012	.12452809	.49612324
177 PROP PAY	.05909349	.01687289	.18771630	.01474902	.05340410	.10859697	.20888577	.03570963
178 FEDERAL GOVT	.01923257	.05212335	.03246498	.02283454	.02323545	.04289932	.17124625	.03312271
179 STATE GOVT	.00307292	.00044407	.00994486	.00763542	.00049982	.00047739	.00581118	.00324633
180 LOCAL GOVT	.00392378	.00037239	.01211257	.00343597	.00169462	.00464432	.01795783	.00347096
181 DEPRECIATION	.01789487	.03256813	.04379160	.02251977	.01591834	.04067247	.06083390	.05365140
182 IMPORTS	.21621905	.19808665	.11376054	.16774297	.16341169	.14304611	.09648511	.09725221
TOTAL DIRECT REQ	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 121 *	* SECTOR 122 *	* SECTOR 123 *	* SECTOR 124 *	* SECTOR 125 *	* SECTOR 126 *	* SECTOR 127 *	* SECTOR 128 *
1 IRR COTTON	0.	0.	0.	0.	0.	0.	0.	.00001146
2 IRR FOOD GRAIN	0.	0.	0.	0.	0.	0.	0.	.00001646
3 IRR FEED GRAIN	0.	0.	0.	0.	0.	0.	0.	.00000235
4 OTHER IRR CROP	0.	0.	0.	0.	0.	0.	0.	.00001528
5 DRYLAND COTTON	0.	0.	0.	0.	0.	0.	0.	.00000705
6 DRY FOOD GRAIN	0.	0.	0.	0.	0.	0.	0.	.00000617
7 DRY FEED GRAIN	0.	0.	0.	0.	0.	0.	0.	.00001323
8 OTHER DRY CROP	0.	0.	0.	0.	0.	0.	0.	.00000617
9 RANGE LIVESTOCK	0.	0.	0.	0.	0.	0.	0.	0.
10 FEEDLOT LIVSTK	0.	0.	0.	0.	0.	0.	0.	0.
11 DAIRY	0.	0.	0.	0.	0.	0.	0.	.00001910
12 POULTRY, EGGS	0.	0.	0.	0.	0.	0.	0.	.00001264
13 AG SUP EX FMC	0.	0.	0.	0.	0.	0.	0.	0.
14 COTTON GINNING	0.	0.	0.	0.	0.	0.	0.	0.
15 AGRY SERVICES	0.	0.	0.	0.	0.	0.	0.	0.
16 PRIM FORESTRY	0.	0.	0.	0.	0.	0.	0.	.00001411
17 FISHERIES	0.	0.	0.	0.	0.	0.	0.	.00000764
18 CRUDE PETRO	0.	0.	0.	0.	.49863135	0.	0.	.00081971
19 NATRL GAS LQDS.	0.	0.	0.	0.	0.	0.	.00005605	.00008905
20 OIL, GAS FLDSV	0.	0.	0.	0.	0.	0.	0.	.00002528
21 LIGNITE, OTH MINE	0.	0.	0.	0.	0.	.02807275	0.	.00003586
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM, ED, INST	0.	0.	0.	0.	0.	0.	0.	0.
24 INDUS CONS	0.	0.	0.	0.	0.	0.	0.	0.
25 FACILITY CONS	0.	0.	0.	0.	0.	0.	0.	0.
26 MAINTEN, REPR	0.	.00022108	.00514288	.00030100	.00199555	.00144814	.02259523	.00173964
27 MEAT PRODUCTS	0.	0.	0.	0.	0.	0.	0.	.00000500
28 POULTRY PROD	0.	0.	0.	0.	0.	0.	0.	0.
29 DAIRIES	0.	0.	0.	0.	0.	0.	0.	.00000265
30 OTH GRAIN MIL	0.	0.	0.	0.	0.	0.	0.	.00002028
31 ANIMAL FEEDS	0.	0.	0.	0.	0.	0.	0.	0.
32 BAKERY PROD	0.	0.	0.	0.	0.	0.	0.	0.
33 CNND, PSVP, PCK	0.	0.	0.	0.	0.	0.	0.	0.
34 OTH FOOD PROD	0.	0.	0.	0.	0.	0.	0.	.00000823
35 BEVERAGES	0.	0.	0.	0.	0.	0.	0.	.00001323
36 TEXTILE MILL	0.	0.	0.	0.	0.	.00005817	.00038612	.00000970
37 MBWMC FURN	0.	.00006476	0.	0.	.00007089	.00024392	0.	.00000294
38 RELATED APPRL	0.	0.	0.	0.	.00003195	.00001899	.00008927	.00003586
39 LOGGING	0.	0.	0.	0.	0.	0.	0.	.00001440
40 LUMBER MILLS	0.	0.	0.	0.	0.	.00005766	.00003944	.00001058
41 MILLWORK, WOOD	.00012152	.01402640	.00096109	0.	0.	.02133957	.00057434	.00005819
42 WOOD FURN, FIX	0.	0.	.00004654	0.	0.	.00003694	0.	.00001293
43 MET FURN, FIXT	0.	0.	.00003491	0.	0.	.00002607	0.	.00000588
44 PAPER, PAP MIL	0.	0.	0.	0.	0.	0.	.00003114	.00015871
45 PAP EX BOX, CT	0.	.00029491	.00003956	0.	.00017290	.00020421	.00071412	.00008141
46 BOXES, PAP CNT	0.	.00005898	.00021875	0.	0.	.00009494	0.	.00012021
47 NEWSPAPERS	0.	.00036626	.00626920	0.	.00038953	.00102642	.00228699	.00215258
48 PUBLISHING	0.	.00025242	.00108675	.00387634	.00002274	.00039117	.00001938	.00006319
49 PRINTING	.00517728	.01783131	.00299497	0.	.00001014	.00006197	.00000830	.00045908
50 MANFLC BUS FM	.00125197	.00001485	.00042353	.00027164	.00006021	.00037649	.00006989	.00043734

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 121 *	* SECTOR 122 *	* SECTOR 123 *	* SECTOR 124 *	* SECTOR 125 *	* SECTOR 126 *	* SECTOR 127 *	* SECTOR 128 *
51 OTH PRNT,PUBS	.00022462	.00010518	.00037932	.00133616	.00002565	.00008424	.00044564	.00013138
52 CHLOR,ALKALIE	0.	.00010188	.00001396	0.	.00013011	.00160091	.00739035	.00010169
53 CYCCRD INT,IG	0.	0.	0.	0.	0.	0.	.00963444	.00021720
54 ORG CHEM	0.	.00003093	0.	0.	.00080062	.00001968	.00068368	.00102162
55 INORG CHEM	0.	0.	0.	0.	.00007112	.00011946	.00114038	.00013549
56 FIBERS,PLASTI	0.	0.	0.	0.	0.	.00009943	0.	.00019633
57 SYN RUBBER	0.	0.	0.	0.	0.	0.	0.	.00002204
58 DRUGS	0.	0.	0.	0.	0.	0.	0.	0.
59 AGRI CHEMICAL	0.	.00001939	0.	0.	0.	.00043657	.00006228	.00000382
60 SPS,CLNS,TOIL	0.	.00005197	.00008610	0.	.00001551	.00007941	.00047539	.00002792
61 PAINT+VARNISH	0.	0.	0.	0.	.00001516	.00010409	.00008927	.00000852
62 OTH CHEMICALS	0.	0.	0.	0.	.00002460	0.	.00001592	.00003115
63 PETRO REFING	.02922624	.01492350	.00219678	.00869240	.00239930	.00506478	.00728309	.02001102
64 OTH PETRO PRD	0.	0.	0.	0.	.00102996	.00205940	.00253542	.00000294
65 TIRES	.00348344	.00019798	0.	0.	.00000291	.00000380	.00008373	.00083676
66 FAB RUBBER PR	0.	0.	0.	0.	0.	.00004903	.00100614	.00000882
67 PLASTIC PRODS	0.	0.	.00008145	0.	0.	.00031366	.00091480	.00011227
68 LEATHER,L PRD	0.	0.	0.	0.	0.	.00000483	.00007819	.00001734
69 GLASS	0.	0.	0.	0.	0.	0.	0.	.00007436
70 CLAY	0.	0.	.00004189	0.	0.	.00003608	.00001799	0.
71 CUT ST,CL,SH	0.	0.	.00011868	0.	0.	.00011134	.03165533	.00004291
72 CEMENT,CONCRT	0.	.00029986	.00003956	0.	0.	.00020629	.00229461	.00002880
73 BLAST FURNACE	0.	0.	.00013032	0.	0.	.00009736	.00162546	.00007054
74 PRI STEEL,IRO	0.	.00000866	0.	0.	.00000210	.00000414	.00001799	.00002234
75 FOUNDRIES	0.	0.	.00014428	0.	0.	.00011877	.00011694	.00006319
76 NONFER SMELTG	0.	.00013694	.00001862	0.	0.	.00011894	.00006574	.00013079
77 AL SMLT ROL DR	0.	.00004949	.00020711	0.	0.	.00012947	.00028579	.00014519
78 CAST,FORGINGS	0.	.00000495	.00002560	0.	.00000152	.00002451	.00000484	.00001999
79 FABRI STEEL	0.	0.	.00007679	0.	0.	.00005852	0.	.00004761
80 PLATE WORK	0.	0.	0.	0.	0.	.00003608	0.	.00001999
81 SH MET,ARCH	0.	0.	.00010705	0.	.00015705	.00048732	0.	.00007377
82 METAL DOORS	0.	.00000412	.00008843	0.	0.	.00007319	0.	0.
83 FAB MET PROD	0.	.00011631	.00001629	0.	.00000513	.00001312	.00118467	.00013608
84 PLUMBING	0.	0.	.00035605	0.	0.	.00026757	.00005259	.00003145
85 BOLTS,NUTS,SC	0.	0.	0.	0.	0.	.00019178	.00005259	.00008994
86 ELCTPLT,CT,EN	0.	0.	0.	0.	0.	0.	0.	.00002028
87 VALVE,PIPE FT	0.	0.	0.	0.	.01030305	.00028707	.00087190	.00012667
88 OTH FAB MET P	0.	.00000330	0.	0.	.00000222	.00000535	0.	.00002439
89 FM,CONS,IND M	0.	0.	0.	0.	0.	.00001899	.00067952	.00001705
90 MTL HDL MC,EQ	0.	0.	0.	0.	0.	0.	0.	.00000294
91 MIN MACH,EQUP	0.	.00013982	0.	0.	.00001679	.00015812	0.	.00001234
92 ENGINES	0.	0.	0.	0.	0.	.00001605	.00016469	.00003233
93 METAL WK MACH	0.	0.	0.	0.	0.	.00016382	.00032454	.00000558
94 IND PROC MACH	0.	0.	0.	0.	0.	0.	.00071136	.00037121
95 GEN IND MACH	0.	0.	0.	0.	0.	.00000276	.00029963	.00015577
96 REFRIG MACH	0.	0.	0.	0.	0.	0.	0.	.00072331
97 COMPU,ACCT MACH	0.	.00030439	.00004189	0.	.00002950	.00002986	.00038751	.00012903
98 ELEC INST,AP	0.	.00065911	.00010007	0.	.00015075	.00060505	.00105319	.00005320
99 ELEC HSLD EQ	0.	0.	0.	0.	0.	0.	.00012386	.00004467
100 ELEC COMM EQ	0.	.00067230	.00561528	.14246280	0.	.00044451	0.	.00006907

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 121 *	* SECTOR 122 *	* SECTOR 123 *	* SECTOR 124 *	* SECTOR 125 *	* SECTOR 126 *	* SECTOR 127 *	* SECTOR 128 *
101 OTH ELEC APP	.00145818	.00023675	.00057712	.01060854	.00001154	.00001139	.00008027	.00008376
102 AIRCRAFT	0.	0.	0.	0.	0.	0.	0.	0.
103 AIRCRAFT ENG	0.	0.	0.	0.	0.	0.	0.	0.
104 OTH AIRCRAFT	0.	0.	0.	0.	0.	0.	0.	0.
105 MOTOR VHCL,P	.00081747	.00003135	.00077492	.00533731	.00004232	.00003815	.00000415	.00076798
106 SHIP,BT BLDG	0.	0.	0.	0.	.00004116	0.	0.	.00006055
107 OTH TRANS EQ	0.	0.	0.	0.	0.	0.	0.	.00000265
108 SCIENTIF INS	0.	0.	0.	0.	0.	0.	0.	.00000294
109 MECH MSRG DV	0.	0.	0.	0.	0.	0.	0.	.00001234
110 MEDICAL INST	0.	0.	0.	0.	.00001154	0.	.00199567	.00002146
111 PHO,TH,OPT I	0.	0.	.00040259	0.	.00000105	0.	0.	.00001117
112 GAMES,TOYS	0.	0.	0.	0.	0.	0.	0.	.00001705
113 OTH MFG IND	0.	.00002021	.00023736	0.	0.	.00001295	.00035499	.00033476
114 RAIL TRANS	.00119674	.00135409	.00109606	0.	.00019494	.00268913	.00048369	.00812920
115 INTERCTY HGY	.00013256	0.	.00015824	0.	0.	0.	0.	.00010904
116 MOTOR FRT STR	.00201421	.00238771	.00203621	.00024961	.00129590	.00239792	.00105804	.01455403
117 WATER TRANS	.00051552	0.	0.	0.	.00064789	0.	0.	.00541349
118 AIR TRANS	.00718044	.00062157	.01279205	0.	.00073160	.00001364	.00003598	.00268250
119 PIPELINE TRN	0.	0.	0.	0.	0.	.00011100	0.	.00634283
120 LOC,SUB TRAN	0.	0.	0.	0.	0.	0.	0.	.00000676
121 OTH TRAN SER	.00550132	0.	0.	0.	0.	.00064958	0.	.00192333
122 TELEP,TELEGR	.00531353	0.	.01736014	.01492537	.00107916	.00204058	.00128016	.01482560
123 RADIO , TV	.00004051	.00050567	.00184306	.01352314	.00032319	.00099915	0.	.00180195
124 OTH COMMUNIC	0.	0.	.00572699	.07744602	0.	0.	0.	.00011022
125 GAS SERVICES	.00165334	.00163828	.00235502	.00135819	.01183807	.27578998	.01868001	.03448952
126 ELEC SERVICES	.00293846	.01007177	.01817230	.01993965	.00095371	0.	.05034848	.02037606
127 WATER,SANI SERV	.00015466	.00249701	.00363260	.00224651	.00032330	.00507220	.12631891	.00552341
128 WHL AUT PT,S	.03429306	0.	0.	0.	.00001061	.00029346	.00001246	.00199887
129 WHL GRO,RELP	0.	0.	.00003258	0.	0.	0.	0.	.00036121
130 WHL FM PROD	0.	0.	0.	0.	0.	0.	0.	.00468519
131 WHL LIVESTOC	0.	0.	0.	0.	0.	0.	0.	.00000558
132 WHL MAC,EQ,S	.00041610	.00188410	.00156381	0.	.00072029	.00172952	.02718168	.00973071
133 WHL PET,PETP	.00538349	0.	.00040491	0.	.00076355	.00175541	.00338724	.00505669
134 GEN WHL	.00356445	.00083729	.00252723	.00314953	.00369986	.00249476	.00284542	.01432655
135 LUMBER YARDS	0.	0.	0.	0.	0.	.00000742	0.	.00002733
136 FARM EQ DEAL	0.	0.	0.	0.	0.	0.	0.	0.
137 HDW,HT,E,P,W	0.	0.	.00001862	0.	.00000455	.00015139	0.	.00011345
138 DEPT,VAR STO	0.	0.	.00009308	0.	0.	0.	0.	.00000794
139 FOOD STORES	0.	0.	.00004887	0.	0.	0.	0.	.00002675
140 AUTO DEAL,RP	.01300949	0.	.00033743	0.	.00104908	.00757490	0.	.00222400
141 GAS SER STAT	.00092057	0.	.00023504	0.	.00013093	.00017383	.00030724	.00294878
142 APPRL ACC ST	0.	0.	0.	0.	0.	0.	0.	.00001411
143 FURN,HM F,EQ	0.	0.	0.	0.	0.	0.	0.	.00000353
144 EAT,DRINK PL	.00502263	.00022561	.00561994	.00070479	0.	0.	0.	.00582555
145 OTHER RETAIL	0.	0.	.00010239	0.	0.	0.	0.	.00150363
146 BANK,CRD AGE	.02195743	.01137761	.02691753	.06138271	.00933838	.00979933	.01154431	.04152391
147 INSURANCE CA	.04295009	.00036832	.00503118	.00665879	.00044782	.00201176	.00537392	.02416335
148 F.I.R.E. NEC	.06316212	.03299775	.04741692	.02858800	.01948439	.02005818	0.	.04671198
149 LEGAL SERVIC	.01213311	.00176655	.00669506	.00574109	.00548579	.00483743	.00025811	.00650242
150 LOGGING SERV	.00369333	.00028624	.00299497	.00022025	.00011356	.00018971	.00021105	.00832436

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 121	* SECTOR 122	* SECTOR 123	* SECTOR 124	* SECTOR 125	* SECTOR 126	* SECTOR 127	* SECTOR 128 *
151 PERSONAL SER	0.	.00009445	.00059574	0.	0.	0.	0.	.00060986
152 ADVERTISING	.00095739	.00092926	.01076050	0.	.00003474	.00007613	0.	.00139489
153 DUPL, ADDRESS	.00002578	.00039183	.00052825	.00173995	.00034907	.00034266	0.	.00009581
154 PRI EMPL AGE	0.	0.	0.	0.	.00002600	0.	0.	.00031507
155 PHOTO SERVIC	.00005523	.00054321	.00195942	0.	0.	0.	0.	.00077474
156 RESRCH, DEVEL	0.	0.	0.	0.	0.	0.	0.	.00085821
157 OTHER BUS SE	.04718840	.00008332	.03193242	.00036708	.00113582	.00041136	.03207951	.00582408
158 MTN PCT, AM, R	0.	0.	.00290654	0.	0.	0.	0.	.00005525
159 AUTO RENT SE	.00320726	0.	.00161966	0.	.00001224	.00005317	0.	.01026944
160 AUTO PARKING	0.	0.	0.	0.	.00000746	.00000570	0.	.00000235
161 ELEC REP SHP	.00004787	0.	.00351624	0.	.00015915	0.	.00019306	.00043645
162 MISC REP SER	.00006628	0.	.00269943	.00283384	.00236526	.00132748	.00042626	.00346077
163 PHYS, DENT SE	0.	.00004537	.00003491	0.	0.	0.	0.	.00017488
164 HOSP, LAB SER	0.	0.	0.	0.	0.	0.	0.	.00001087
165 OTH MED SERV	0.	0.	0.	0.	0.	0.	0.	.00000441
166 ED (PUB, PRI)	.00666861	.04853828	.04008191	.00499225	.03898708	.01812687	0.	.01508836
167 COLL, UNIV	.00195161	.01454651	.01212650	.00060935	.01363950	.00763963	0.	.00647891
168 OTH ED SERV	0.	.00029119	.00023271	0.	0.	0.	0.	.00003733
169 ENG, ARCH SER	0.	0.	.00146607	0.	0.	.01523352	.00295960	.00321506
170 COMPU, ACCT SERV	.00636666	.00281625	.00837755	.00704055	.00080074	.00212258	.00095839	.00476719
171 OTH PROF SER	0.	0.	0.	0.	.00002938	.00004903	0.	.00003057
172 OTHER SERVIC	.00243399	.00003258	.00668109	.01640837	.00049178	.00087831	0.	.00255671
173 ORD, ORD ACCS	0.	0.	0.	0.	0.	0.	0.	0.
174 OUTDOOR REC	.00008101	.00156857	.00128921	0.	.00139127	.00006957	0.	.00065571
175 SCRAP	0.	0.	0.	0.	0.	0.	0.	.00146836
176 HOUSEHOLDS	.32159546	.30041753	.32374802	.28726755	.04500685	.18401201	.33906408	.28357539
177 PROP PAY	.06272761	.06043723	.08548590	.04109800	.02375309	.11172463	0.	.14498924
178 FEDERAL GOVT	.02017152	.17978436	.08248627	.03136311	.02982008	.04444939	.00458368	.05170753
179 STATE GOVT	.00365282	.01973109	.00110537	.00103516	.01323843	.00488698	0.	.00108393
180 LOCAL GOVT	.00468754	.02516025	.00272968	.00390571	.00672642	.02039014	0.	.00684776
181 DEPRECIATION	.01437193	.07511243	.03648655	.03859453	.02051528	.04388992	.04920810	.01625958
182 IMPORTS	.22883518	.14940736	.14684213	.15372474	.22617788	.13620543	.21806580	.11107813
TOTAL DIRECT REQ	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 129 *	* SECTOR 130 *	* SECTOR 131 *	* SECTOR 132 *	* SECTOR 133 *	* SECTOR 134 *	* SECTOR 135 *	* SECTOR 136 *
1 IRR COTTON	.00009749	.00000674	0.	.00020960	.00019407	.00003796	0.	0.
2 IRR FOOD GRAIN	.00013909	.00000974	0.	.00029836	.00027661	.00005404	0.	0.
3 IRR FEED GRAIN	.00002101	0.	0.	.00004500	.00004168	.00000818	0.	0.
4 OTHER IRR CROP	.00013026	.00000899	0.	.00027989	.00025949	.00005074	.00168775	.00117320
5 DRYLAND COTTON	.00005967	.00000375	0.	.00012802	.00011870	.00002325	0.	0.
6 DRY FOOD GRAIN	.00005210	0.	0.	.00011242	.00010407	.00002031	0.	0.
7 DRY FEED GRAIN	.00011261	.00000749	.00009538	.00024206	.00022443	.00004393	0.	0.
8 OTHER DRY CROP	.00005168	0.	0.	.00011153	.00010324	.00002013	0.	0.
9 RANGE LIVESTOCK	0.	0.	0.	.00000341	.00000304	.00000055	0.	0.
10 FEEDLOT LVSTK	0.	0.	0.	0.	0.	0.	.00016543	.00011427
11 DAIRY	.00016304	.00001124	0.	.00035053	.00032464	.00006351	0.	0.
12 POULTRY,EGGS	.00010589	.00000674	0.	.00022771	.00021090	.00004127	.00005205	.00003555
13 AG SUP EX FMC	0.	0.	0.	0.	0.	0.	0.	0.
14 COTTON GINNING	0.	0.	0.	0.	0.	0.	0.	0.
15 AGR SERVICES	0.	0.	.00205067	.00000143	0.	0.	0.	0.
16 PRIM FORESTRY	.00011976	.00000824	0.	.00025748	.00023851	.00004669	0.	0.
17 FISHERIES	.00006597	.00000449	0.	.00014165	.00013113	.00002574	.00001487	0.
18 CRUDE PETRO	.00697530	.00046741	.00029568	.01498187	.01388577	.00271547	0.	0.
19 NATRL GAS LQDS.	.00075762	.00005094	0.	.00163774	.00157378	.00046673	.00006320	.00004317
20 OIL,GAS FLDSV	.00021472	.00001423	0.	.00046116	.00042733	.00009256	0.	0.
21 LIGNITE,OTH MINE	.00030464	.00002022	0.	.00065732	.00061367	.00014522	0.	0.
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	0.	0.	0.	0.	0.	0.	0.	0.
24 INDUS CONS	0.	0.	0.	0.	0.	0.	0.	0.
25 FACILITY CONS	0.	0.	0.	0.	0.	0.	0.	0.
26 MAINTEN,REPR	.00697698	.01377506	.02285300	.01047819	.02424081	.00571118	.00348516	.00288982
27 MEAT PRODUCTS	.00004370	0.	0.	.00009360	.00008668	.00001691	.01052984	.00731089
28 POULTRY PROD	.00000420	0.	0.	.00000879	.00000828	.00000156	.00005019	.00003555
29 DAIRIES	.00002185	0.	0.	.00004698	.00004362	.00000855	.00048885	.00034028
30 OTH GRAIN MIL	.00017312	.00001124	0.	.00037187	.00034479	.00006737	.00010967	.00007618
31 ANIMAL FEEDS	.00000966	0.	.02163214	.00002098	.00001932	.00000377	0.	0.
32 BAKERY PROD	.00000252	0.	0.	.00000556	.00000525	.00000101	.00098514	.00068309
33 CNND,PSVP,PCK	.00001345	0.	0.	.00002905	.00002678	.00000524	.00266359	.00184867
34 OTH FOOD PROD	.00006933	.00000449	0.	.00014864	.00013775	.00002693	.00073235	.00050788
35 BEVERAGES	.00011177	.00000749	0.	.00024026	.00022278	.00004357	.00032156	.00022347
36 TEXTILE MILL	.00008320	.00357373	.00010492	.00017858	.00016536	.00003245	.00003718	.00002539
37 MBWHC FURN	.00001093	0.	0.	.00001596	.00001932	.00000533	.00065986	.00045709
38 RELATED APPRL	.00021430	.00000899	0.	.00004716	.00004196	.00018052	.00001487	0.
39 LOGGING	.00012312	.00000824	0.	.00026411	.00024486	.00004789	0.	0.
40 LUMBER MILLS	.00005841	0.	0.	.00007889	.00006322	.00002215	0.	0.
41 MILLWORK,WOOD	.00244388	.00001723	.00012399	.00055386	.00050959	.00060175	.00041450	.00004825
42 WOOD FURN,FIX	.00003950	0.	0.	.00003819	.00002761	.00001829	.00001859	.00001778
43 MET FURN,FIXT	.00001765	0.	0.	.00001201	.00000442	.00001131	.00001301	.00002032
44 PAPER,PAP MIL	.00035717	.00003595	.00030522	.00093201	.00073458	.00068107	.00017844	.00018284
45 PAP EX BOX,CT	.00148708	.00060299	.00039106	.00038478	.00032077	.00090038	.00016037	.00009396
46 BOXES,PAP CNT	.00117319	.00114979	.00024799	.00069694	.00058496	.00089652	.00038662	.00038091
47 NEWSPAPERS	.00205981	.00007715	.00332876	.00192982	.00033734	.00241896	.01773622	.00996455
48 PUBLISHING	.00016237	.00080898	.00007630	.00029764	.00014990	.00087970	.00013197	.00013967
49 PRINTING	.00063114	.00011311	.00046736	.00319067	.00491679	.00351382	.00174723	.00141190
50 MANFLC BUS FM	.00026304	.00056029	.00011446	.00041616	.00013996	.00052776	.00035874	.00019299

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 129	* SECTOR 130	* SECTOR 131	* SECTOR 132	* SECTOR 133	* SECTOR 134	* SECTOR 135	* SECTOR 136 *
51 OTH PRNT,PUBS	.00024834	.00023146	.00021937	.00032884	.00040552	.00034504	.00056878	.00072119
52 CHLOR,ALKALIE	.00022817	.00002472	.00020984	.00059761	.00050463	.00019853	0.	0.
53 CYCCRD INT,IG	.00048659	.00005318	.00043875	.00127483	.00107661	.00042353	.00001673	.00001778
54 ORG CHEM	.00364312	.00022247	.00185991	.00542601	.00450437	.00179000	.00233459	.00015490
55 INORG CHEM	.00030380	.00003296	.00027660	.00079915	.00067136	.00026894	0.	0.
56 FIBERS,PLASTI	.00043995	.00004794	.00040060	.00116940	.00097309	.00052877	0.	0.
57 SYN RUBBER	.00004958	.00000524	0.	.00012928	.00010932	.00004302	0.	0.
58 DRUGS	.00000504	0.	.00152608	.00001076	.00000994	.00000193	.00002045	.00001524
59 AGRI CHEMICAL	.00003109	0.	0.	.00006634	.00006156	.00001195	.00003532	.00005079
60 SPS,CLNS,TOIL	.00010757	.00007790	0.	.00014308	.00012836	.00003759	.00005390	.00005079
61 PAINT+VARNISH	.00005883	0.	0.	.00010812	.00099434	.00002142	0.	0.
62 OTH CHEMICALS	.00026178	.00001573	.00006677	.00051226	.00047288	.00010561	.00001301	0.
63 PETRO REFING	.01598436	.00672499	.00627599	.02402924	.01583388	.01287468	.01418415	.01249124
64 OTH PETRO PRO	.00002395	0.	0.	.00005164	.00004803	.00001085	0.	0.
65 TIRES	.00064921	.00005543	.00017168	.00012730	.01724479	.00103595	.00018959	.00202135
66 FAB RUBBER PR	.00007522	.00000524	0.	.00016263	.00015017	.00002932	0.	0.
67 PLASTIC PRODS	.00025170	.00002771	.00022891	.00166374	.00055680	.00021912	.00002602	.00002539
68 LEATHER,L PRD	.00006639	0.	0.	.00005074	.00005217	.00003125	.00002602	.00001778
69 GLASS	.00016136	.00037078	.00012399	.00034784	.00029344	.00011544	0.	0.
70 CLAY	.00000336	0.	0.	.00002815	.00000690	.00000276	0.	0.
71 CUT ST,CL,SH	.00009665	.00001049	.00011446	.00025640	.00021863	.00008401	0.	0.
72 CEMENT,CONCRT	.00006471	.00000674	.00005723	.00016908	.00014272	.00005625	0.	0.
73 BLAST FURNACE	.00015799	.00001723	.00016215	.00045722	.00034948	.00013759	0.	0.
74 PRI STEEL,IRO	.00005000	.00000524	0.	.00013215	.00011097	.00004357	0.	0.
75 FOUNDRIES	.00014161	.00001573	.00012399	.00037707	.00031332	.00012335	0.	0.
76 NONFER SMELTG	.00029330	.00003221	.00027660	.00076974	.00064873	.00025533	0.	0.
77 AL SMLT ROL DR	.00034876	.00003521	.00029568	.00084021	.00072354	.00027877	0.	0.
78 CAST,FORGINGS	.00004496	.00000449	0.	.00011780	.00009966	.00003925	0.	0.
79 FABRI STEEL	.00010673	.00001198	.00010492	.00028025	.00023547	.00009265	0.	0.
80 PLATE WORK	.00004496	.00000449	0.	.00011816	.00009966	.00003925	0.	0.
81 SH MET, ARCH	.00016514	.00001798	.00016215	.00043301	.00036549	.00014384	0.	0.
82 METAL DOORS	.00000252	0.	0.	.00000681	.00000580	.00000230	0.	0.
83 FAB MET PROD	.00035591	.00002921	.00024799	.00294018	.00059269	.00025892	.00001115	.00097258
84 PLUMBING	.00015043	.00001723	0.	.00007136	.00004693	.00005597	.00003903	.00006602
85 BOLTS,NUTS,SC	.00026893	.00001948	.00019076	.00047604	.00041077	.00017252	0.	0.
86 ELCTPLT,CT,EN	.00004496	.00000524	0.	.00011834	.00009993	.00003934	0.	0.
87 VALVE,PIPE FT	.00043743	.00002697	.00022891	.00061411	.00054493	.00023566	.00006506	.00009396
88 OTH FAB MET P	.00005715	.00003820	0.	.00011099	.00010600	.00009338	.00001301	0.
89 FM,CONS,IND M	.00117740	.00453176	0.	.00036828	.00039310	.00060258	0.	0.
90 HTL HDL MC,EQ	.00002563	0.	0.	.00005433	.00005052	.00041204	0.	0.
91 MIN MACH,EQU	.00010547	.00000674	0.	.00074267	.00021035	.00004118	0.	0.
92 ENGINES	.00019287	.00001798	0.	.00021122	.00024983	.00013107	.00013383	.00017268
93 METAL WK MACH	.00004916	0.	0.	.00010579	.00009800	.00001912	0.	0.
94 IND PROC MACH	.00037860	.00020824	.00045782	.00022269	.00063133	.00002289	.00006134	.00004063
95 GEN IND MACH	.00018447	.00015880	0.	.00039410	.00036218	.00007895	0.	0.
96 REFRIG MACH	.00001891	0.	0.	.00004124	.00003837	.00010009	.00053904	.00037583
97 COMPU,ACCT MACH	.00030380	.00003146	.00026706	.00076078	.00064072	.00025212	.00069331	.00067040
98 ELEC INST,AP	.00016598	.00000824	.00007630	.00020889	.00017778	.00010000	.00035316	.00033520
99 ELEC HSLD EQ	.00027691	.00002022	0.	.00000771	.00000663	.00000257	.00010409	.00010158
100 ELEC COMM EQ	.00015673	.000301493	.00013353	.00034444	.00029068	.00011443	0.	0.

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 129	* SECTOR 130	* SECTOR 131	* SECTOR 132	* SECTOR 133	* SECTOR 134	* SECTOR 135	* SECTOR 136 *
101 OTH ELEC APP	.00023111	.00003296	.00010492	.00031432	.00026805	.00013125	.00019703	.00009142
102 AIRCRAFT	.00001093	0.	0.	.00002367	.00002181	.00000432	0.	0.
103 AIRCRAFT ENG	0.	0.	0.	0.	0.	0.	0.	0.
104 OTH AIRCRAFT	.00000546	0.	0.	.00001201	.00001104	.00000221	0.	0.
105 MOTOR VHCL,P	.00511928	.00010861	0.	.00027272	.00030504	.00051324	.00204649	.00123668
106 SHIP,BT BLDG	.00050592	0.	0.	.00004734	.00004389	.00000855	0.	0.
107 OTH TRANS EQ	.00002101	0.	0.	.00004536	.00004224	.00000827	0.	0.
108 SCIENTIF INS	.00000672	0.	0.	.00001703	.00001435	.00000561	0.	0.
109 MECH HSRG DV	.00002773	0.	0.	.00007262	.00006156	.00002408	0.	0.
110 MEDICAL INST	.00002605	0.	0.	.00003640	.00003064	.00001213	0.	0.
111 PHO, TM, OPT I	.00000336	0.	0.	.00000897	.00000745	.00000294	0.	0.
112 GAMES, TOYS	.00007606	0.	0.	.00000215	.00000193	.00000074	0.	0.
113 OTH MFG IND	.00073787	.00011685	.00008584	.00145915	.00019848	.00076150	.00147771	.00265112
114 RAIL TRANS	.00379103	.01545669	.00114456	.00361400	.00140428	.00233109	.00064127	.00142206
115 INTERCTY HGY	.00005168	.00003146	0.	.00004787	.00001739	.00018180	.00001115	0.
116 MOTOR FRT STR	.01009233	.05122316	.02897638	.00739402	.00235474	.00696892	.00220076	.00367449
117 WATER TRANS	.00268087	.08769899	.00067720	.00231030	.00100980	.00177888	0.	0.
118 AIR TRANS	.00216318	.00113631	.00064858	.00490622	.00141781	.00134634	.00094053	.00228545
119 PIPELINE TRN	.00298761	.00186589	.00083934	.00278168	.00445937	.00180131	0.	0.
120 LOC, SUB TRAN	.00000294	0.	0.	.00001901	0.	.00001057	0.	0.
121 OTH TRAN SER	.01088987	.00574897	.00025753	.00084881	.00030835	.00056508	0.	0.
122 TELEP, TELEGR	.01562887	.00653548	.00549388	.01789373	.01084228	.01184461	.00869711	.00678270
123 RADIO, TV	.00169928	.00055280	.00091565	.00091551	.00060621	.00080562	.00239036	.00424839
124 OTH COMMUNIC	.00022102	.00003221	0.	.00007100	.00003340	.00007381	0.	0.
125 GAS SERVICES	.01620118	.01437805	.00811682	.01467132	.00601686	.01103725	.00297958	.00169377
126 ELEC SERVICES	.01823830	.01826938	.01060623	.01080667	.00626862	.01770157	.01275291	.01001280
127 WATER, SANI SERV	.00451041	.00248910	.00136393	.00266890	.00115942	.00473415	.00277884	.00136365
128 WHL AUT PT, S	.00155389	.00319620	.00036244	.00125744	.00659354	.00053273	.01272317	.00102337
129 WHL GRO, RELP	.00029246	.00010562	.00008584	0.	.00005770	.00064918	.00270077	.01098538
130 WHL FM PROD	.00220646	.00887102	.00061997	.00197733	.00075087	.00141095	0.	0.
131 WHL LIVESTOC	.00000252	0.	.00094426	.00000233	0.	.00000156	0.	0.
132 WHL MAC, EQ, S	.00486716	.01293688	.00122086	.00483701	.00145453	.00307843	.00015428	.00014982
133 WHL PET, PETP	.00267330	.00221644	.00171684	.00188266	.00222610	.00551385	.01107445	.03447724
134 GEN WHL	.00824430	.02298541	.00472130	.00847557	.00227744	.00592488	.00372680	.00191216
135 LUMBER YARDS	.00002227	.00013408	0.	0.	.00000442	.00093484	.00019331	.02495962
136 FARM EQ DEAL	0.	0.	0.	0.	0.	.00008998	0.	.00241750
137 HDW, HT, E, P, W	.00002563	.00011311	0.	.00002851	.00000828	.00005735	.00329743	.00006095
138 DEPT, VAR STO	.00000420	.00013483	.00011446	.00014165	.00000773	.00013428	.00022863	.00065516
139 FOOD STORES	.00002437	.00000974	.00005723	.00006724	.00000442	.00009982	.00044424	.00084054
140 AUTO DEAL, RP	.00479447	.00182394	.00152608	.00325683	.04513503	.00368157	.01472133	.00389288
141 GAS SER STAT	.00111647	.00060748	.00079165	.00163469	.00049745	.00229102	.00171935	.00502544
142 APPRL ACC ST	.00003025	.00000375	0.	.00001076	.00000221	.00002059	0.	0.
143 FURN, HM F, EQ	0.	0.	0.	.00000663	0.	.00000460	0.	0.
144 EAT, DRINK PL	.00199384	.00105841	.00371027	.00743006	.00167206	.00345454	.00605582	.00091672
145 OTHER RETAIL	.00052987	.00023745	.00044829	.00047246	.00032630	.00070065	.00175280	.00047994
146 BANK, CRD AGE	.03527988	.06902363	.01424020	.03670763	.00685110	.03264778	.06027937	.03369765
147 INSURANCE CA	.01723403	.01188371	.02520888	.00969213	.01182337	.01864781	.02355970	.01503824
148 F. I. R. E. NEC	.02532075	.02064986	.03072183	.03123320	.02235537	.02580239	.03270476	.02912930
149 LEGAL SERVIC	.00344731	.00579092	.00149746	.00435666	.00363535	.00540677	.00347215	.00153125
150 LODGING SERV	.00164424	.00136927	.00139255	.00774743	.00211429	.00345537	.00194983	.00100306

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 129	* SECTOR 130	* SECTOR 131	* SECTOR 132	* SECTOR 133	* SECTOR 134	* SECTOR 135	* SECTOR 136 *
151 PERSONAL SER	.00035045	.00008614	0.	.00020387	.00021587	.00018465	.00030484	.00015236
152 ADVERTISING	.00223294	.00031011	.00089657	.00079574	.00101118	.00103668	.00077510	.00059676
153 DUPL, ADDRESS	.00004916	.00002547	0.	.00003640	.00001297	.00004145	.00051673	.00028441
154 PRI EMPL AGE	.00015421	.00008839	0.	.00012587	.00004555	.00008189	0.	0.
155 PHOTO SERVIC	.00037986	.00021723	.00009538	.00030965	.00011208	.00031544	.00093681	.00040122
156 RESRCH, DEVEL	.00081687	.00024943	.00012399	.00036219	.00013747	.00025395	0.	0.
157 OTHER BUS SE	.00384608	.00449281	.00321430	.00480796	.00356219	.00443378	.00265430	.00386748
158 MTN PCT, AM, R	.00002605	.00001648	0.	.00002313	.00000883	.00001563	.00324910	.00151855
159 AUTO RENT SE	.00358219	.00225764	.00034337	.00933335	.00213389	.00352715	.00017472	.00029965
160 AUTO PARKING	0.	0.	0.	.00000520	.00001049	.00000368	.00002231	.00003555
161 ELEC REP SHP	.00142868	.00172282	.00004769	.00038317	.00055652	.00048815	.00261155	.00094211
162 MISC REP SER	.00443520	.00290707	.00168822	.00258122	.00086325	.00274764	.00154834	.00347642
163 PHYS, DENT SE	.00004160	.00001648	0.	.00003209	.00000911	.00003925	.00006134	.00003301
164 HOSP, LAB SER	.00000798	0.	0.	.00000538	.00000166	.00000313	.00013383	.00007110
165 OTH MED SERV	.00000378	0.	0.	.00000215	0.	.00000129	0.	0.
166 ED (PUB, PRI)	.00714800	.00723060	.00300446	.00582299	.00379187	.00682691	.00566920	.00248098
167 COLL, UNIV	.00434990	.00233255	.00076304	.00308846	.00133141	.00245150	.00154834	.00128747
168 OTH ED SERV	.00001387	.00015580	0.	.00001650	.00000469	.00000846	0.	0.
169 ENG, ARCH SER	.00157532	.00090186	.00038152	.00128505	.00046487	.00083604	0.	0.
170 COMPU, ACCT SERV	.00280651	.00333253	.00344321	.00641307	.00319615	.01138918	.00820082	.00556126
171 OTH PROF SER	.00001513	.00001348	0.	.00001219	.00000442	.00000818	0.	0.
172 OTHER SERVIC	.00191569	.00127638	.00102056	.00104192	.00172037	.00228431	.00097770	.00099036
173 ORD, ORD ACCS	0.	0.	0.	0.	0.	0.	0.	0.
174 OUTDOOR REC	.00029372	.00024045	.00017168	.00025210	.00012340	.00042133	.00022863	.00008380
175 SCRAP	.00069165	.00042621	.00020030	.00061984	.00023547	.00041701	0.	0.
176 HOUSEHOLDS	.40012909	.21107084	.48010377	.37447998	.35456258	.38726685	.42519168	.20405997
177 PROP PAY	.08135003	.06370462	.19957270	.09357391	.09909907	.15139694	.10063662	.09603450
178 FEDERAL GOVT	.04570500	.03645336	.01732097	.08452494	.07700458	.05388073	.01441277	.03458898
179 STATE GOVT	.00200267	.00171683	.00049597	.00404288	.01492345	.00505336	.01211535	.00275523
180 LOCAL GOVT	.00494154	.00369058	.00424440	.00504930	.00598456	.00854614	.00707999	.00356022
181 DEPRECIATION	.01959890	.02649397	.00750639	.01146865	.07744764	.01444823	.02764896	.02152637
182 IMPORTS	.14798050	.22217403	.05996528	.10741597	.09503170	.12178936	.10280021	.36512052
TOTAL DIRECT REQ	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 137 *	* SECTOR 138 *	* SECTOR 139 *	* SECTOR 140 *	* SECTOR 141 *	* SECTOR 142 *	* SECTOR 143 *	* SECTOR 144 *
1 IRR COTTON	0.	0.	0.	0.	0.	0.	0.	0.
2 IRR FOOD GRAIN	0.	0.	0.	0.	0.	0.	0.	0.
3 IRR FEED GRAIN	0.	0.	0.	0.	0.	0.	0.	0.
4 OTHER IRR CROP	.00006156	.00002527	.00016313	.00001978	.00001727	.00003050	.00013754	.02506850
5 DRYLAND COTTON	0.	0.	0.	0.	0.	0.	0.	0.
6 DRY FOOD GRAIN	0.	0.	0.	0.	0.	0.	0.	0.
7 DRY FEED GRAIN	0.	0.	0.	0.	0.	0.	0.	0.
8 OTHER DRY CROP	0.	0.	0.	0.	0.	0.	0.	.00001168
9 RANGE LIVESTOCK	0.	0.	0.	0.	0.	0.	0.	0.
10 FEEDLOT LIVSTK	0.	.00000264	.00001582	.00000191	0.	0.	.00001344	.02581188
11 DAIRY	0.	0.	0.	0.	0.	0.	0.	0.
12 POULTRY,EGGS	0.	0.	.00000494	0.	0.	0.	0.	.00045797
13 AG SUP EX FMC	0.	0.	0.	0.	0.	0.	0.	0.
14 COTTON GINNING	0.	0.	0.	0.	0.	0.	0.	0.
15 AGRIC SERVICES	0.	0.	0.	0.	0.	0.	0.	0.
16 PRIM FORESTRY	0.	0.	0.	0.	0.	0.	0.	0.
17 FISHERIES	0.	0.	0.	0.	0.	0.	0.	.00014018
18 CRUDE PETRO	0.	0.	0.	0.	0.	0.	0.	0.
19 NATRL GAS LQDS.	0.	0.	.00000593	.00002233	0.	0.	0.	.00002071
20 OIL,GAS FLOSV	0.	0.	0.	0.	0.	0.	0.	0.
21 LIGNITE,OTH MINE	0.	0.	0.	0.	0.	0.	.00000827	0.
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	0.	0.	0.	0.	0.	0.	0.	0.
24 INDUS CONS	0.	0.	0.	0.	0.	0.	0.	0.
25 FACILITY CONS	0.	0.	0.	0.	0.	0.	0.	0.
26 MAINTEN,REPR	.00061560	.00139859	.00194273	.00141011	.00228326	.00317850	.00282224	.00355546
27 MEAT PRODUCTS	.00040014	.00015578	.00107468	.00012344	.00010521	.00018921	.00085629	.09837469
28 POULTRY PROD	0.	0.	.00000461	0.	0.	0.	0.	.00045930
29 DAIRIES	0.	.00000717	.00004746	.00000574	0.	.00000901	.00004033	.00707774
30 OTH GRAIN MIL	0.	0.	.00001055	0.	0.	0.	.00000931	.00103409
31 ANIMAL FEEDS	0.	0.	0.	0.	0.	0.	0.	0.
32 BAKERY PROD	.00003694	.00001509	.00009557	.00001148	.00000942	.00001733	.00007963	.00921043
33 CNND,PSVP,PCK	.00010465	.00003923	.00032725	.00003126	.00002670	.00004782	.00021614	.02487523
34 OTH FOOD PROD	0.	.00003998	.00008041	.00000861	0.	.00001317	.00005998	.00672649
35 BEVERAGES	0.	.00005130	.00008008	.00006252	.00009893	.00009149	.00030301	.00229491
36 TEXTILE MILL	0.	.00009694	.00004910	0.	0.	.00000832	.00002689	.00003266
37 MBWMC FURN	0.	.00264630	.00006393	.00000893	0.	.00406150	.00006929	.00021876
38 RELATED APPRL	0.	0.	0.	.00003827	0.	.00002426	0.	.00007699
39 LOGGING	0.	0.	0.	0.	0.	0.	0.	0.
40 LUMBER MILLS	0.	0.	0.	0.	0.	0.	0.	0.
41 MILLWORK,WOOD	0.	.00011089	.00003757	0.	0.	.00003119	.00001758	.00001832
42 WOOD FURN,FIX	0.	.00003168	.00002636	.00000542	0.	.00001733	.000437763	.00002867
43 MET FURN,FIXT	0.	.00002640	.00002043	.00000255	0.	.00001663	0.	.00003133
44 PAPER,PAP MIL	.00014774	.00005507	.00019576	.00003253	.00004397	.00170985	.00004654	.00011044
45 PAP EX BOX,CT	.00017237	.00018633	.00010645	.00002041	.00002513	.00092527	.00016857	.00303165
46 BOXES,PAP CNT	.00035089	.00164225	.00042150	.00007496	.00009579	.00015872	.00007343	.00021266
47 NEWS PAPERS	.00768265	.01982123	.03773351	.00762117	.00330083	.01944321	.03280691	.00844688
48 PUBLISHING	.00008003	.00003583	.00013413	.00026473	.00030778	.00015941	.00014168	.00023708
49 PRINTING	.00161902	.00059557	.00771029	.00078336	.00056846	.00157608	.00281087	.00139383
50 MANFLD BUS FM	.00014774	.00008637	.00016741	.00010717	.00042399	.00098834	.00015616	.00015266

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 137 *	* SECTOR 138 *	* SECTOR 139 *	* SECTOR 140 *	* SECTOR 141 *	* SECTOR 142 *	* SECTOR 143 *	* SECTOR 144 *
51 OTH PRNT,PUBS	.00134200	.00040132	.00111093	.00045420	.00038944	.00058150	.00060189	.00049647
52 CHLOR,ALKALIE	0.	0.	0.	0.	0.	0.	0.	0.
53 CYCCRD INT,I6	.00004309	.00000264	.00002010	.00009601	0.	.00000554	0.	.00000770
54 ORG CHEM	.00011081	.00001697	.00016873	.00012312	.00003612	.00007070	.00002689	.00006929
55 INORG CHEP	0.	.00000377	.00000560	.00000191	0.	.00001525	0.	.00000611
56 FIBERS,PLASTI	0.	0.	.00000593	0.	0.	0.	0.	0.
57 SYN RUBBER	0.	0.	0.	0.	0.	0.	0.	0.
58 DRUGS	0.	0.	.00008272	0.	0.	0.	0.	.00000690
59 AGRIC CHEMICAL	0.	.00013164	.00000330	0.	0.	0.	0.	.00001142
60 SPS,CLNS,TOIL	0.	.00000453	.00000890	.00000351	.00030778	.00003396	.00004033	.00022779
61 PAINT+VARNISH	0.	.00001169	.00000330	0.	0.	0.	0.	.00000239
62 OTH CHEMICALS	0.	.00000264	.00000198	0.	0.	0.	0.	.00012372
63 PETRO REFING	.01050824	.00061782	.00115608	.00337521	.17216909	.00168906	.00439521	.00296289
64 OTH PETRO PRD	0.	0.	0.	0.	0.	0.	0.	0.
65 TIRES	.00056019	.00000603	.00001780	.00048545	0.	.00000970	.00002999	.00005549
66 FAB RUBBER PR	0.	0.	0.	0.	0.	0.	0.	.00000265
67 PLASTIC PRODS	0.	.00000226	.00002834	.00000606	0.	.00000762	0.	.00001142
68 LEATHER,L PRD	0.	.00001132	.00003131	.00001021	.00001099	.00002426	.00003413	.00007885
69 GLASS	0.	0.	.00000363	.00002073	0.	0.	0.	.00004142
70 CLAY	0.	.00000377	.00000791	0.	0.	0.	0.	0.
71 CUT ST,CL,SH	0.	0.	.00000494	0.	.00001099	0.	0.	0.
72 CEMENT,CONCRT	0.	0.	0.	0.	0.	0.	0.	0.
73 BLAST FURNACE	0.	0.	0.	0.	0.	0.	0.	0.
74 PRI STEEL,IRO	0.	0.	.00000264	.00001435	0.	0.	0.	0.
75 FOUNDRIES	0.	0.	0.	0.	0.	0.	0.	0.
76 NONFER SMELTG	0.	0.	0.	0.	0.	0.	0.	0.
77 AL SMLT ROL DR	0.	0.	.00000626	.00003509	0.	0.	0.	.00000265
78 CAST,FORGINGS	0.	0.	0.	0.	0.	0.	0.	0.
79 FABRI STEEL	0.	0.	0.	.00000415	0.	0.	0.	0.
80 PLATE WORK	0.	0.	0.	0.	0.	0.	0.	0.
81 SH MET,ARCH	0.	0.	0.	0.	0.	0.	0.	0.
82 METAL DOORS	0.	0.	0.	0.	0.	0.	0.	0.
83 FAB MET PROD	0.	0.	.00001120	.00006315	0.	0.	0.	.00094303
84 PLUMBING	0.	.00000377	.00005240	.00000765	.00000942	.00001248	.00000724	.00033346
85 BOLTS,NUTS,SC	0.	0.	.00001483	.00000734	0.	0.	0.	.00000186
86 ELCTPLT,CT,EN	0.	0.	0.	0.	0.	0.	0.	0.
87 VALVE,PIPE FT	.00004925	.00000603	.00007052	.00015182	.00001570	.00002079	.00001138	.00039160
88 OTH FAB MET P	0.	0.	.00001417	.00007783	0.	.00000416	0.	.00000584
89 FM,CONS,IND M	0.	0.	0.	0.	0.	0.	0.	0.
90 MTL HDL MC,EQ	0.	0.	0.	0.	0.	0.	0.	0.
91 MIN MACH,EQU	0.	0.	0.	0.	0.	0.	0.	0.
92 ENGINES	0.	.00000189	.00001285	.00072977	.00013662	0.	.00001034	.00004434
93 METAL WK MACH	0.	0.	0.	.00004019	0.	0.	0.	.00000239
94 IND PROC MACH	0.	0.	.00000593	0.	0.	0.	0.	.00057797
95 GEN IND MACH	0.	0.	0.	0.	0.	0.	0.	.00079116
96 REFRIG MACH	0.	.00228949	.00005306	.00000638	0.	.00000970	.00004447	.00017921
97 COMPU,ACCT MACH	.00047401	.00006450	.00075238	.00013237	.00016960	.00022941	.00012203	.00663198
98 ELEC INST,AP	.00024008	.00128581	.00037602	.00007432	.00008637	.00017743	.00007446	.00042452
99 ELEC HSLD EQ	.00007387	.00000943	.00011337	.00001978	.00002513	.00003327	.02302265	.00097966
100 ELEC COMM EQ	0.	0.	0.	0.	0.	0.	0.	0.

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 137 *	* SECTOR 138 *	* SECTOR 139 *	* SECTOR 140 *	* SECTOR 141 *	* SECTOR 142 *	* SECTOR 143 *	* SECTOR 144 *
101 OTH ELEC APP	.00006772	.00001660	.00010447	.00053872	.00003455	.00003396	.00004344	.00004381
102 AIRCRAFT	0.	0.	0.	0.	0.	0.	0.	0.
103 AIRCRAFT ENG	0.	0.	0.	0.	0.	0.	0.	0.
104 OTH AIRCRAFT	0.	0.	0.	0.	0.	0.	0.	0.
105 MOTOR VHCL,P	.00019699	.00003583	.00070591	.00863354	.00010678	.00007347	.00046538	.00057665
106 SHIP,BT BLDG	0.	0.	0.	0.	0.	0.	0.	0.
107 OTH TRANS EQ	0.	0.	0.	0.	0.	0.	0.	0.
108 SCIENTIF INS	0.	0.	0.	0.	0.	0.	0.	0.
109 MECH MSRG DV	0.	0.	0.	0.	0.	0.	0.	0.
110 MEDICAL INST	0.	0.	0.	0.	0.	0.	0.	0.
111 PHO,TM,OPT I	0.	0.	0.	0.	0.	0.	0.	0.
112 GAMES,TOYS	0.	0.	0.	0.	0.	0.	0.	0.
113 OTH MFG IND	.00057250	.00016445	.00113104	.00249616	.00029836	.00032298	.00015616	.00305209
114 RAIL TRANS	.00033858	.00008411	.00011238	.00015501	.00007852	.00028417	.00019959	.00032443
115 INTERCTY HGY	0.	.00000453	.00000330	.00006889	0.	.00000832	.00001034	0.
116 MOTOR FRT STR	.01239196	.00311815	.00143884	.00365430	.00091707	.00671603	.00453793	.00147401
117 WATER TRANS	0.	0.	0.	0.	0.	0.	0.	0.
118 AIR TRANS	.00267169	.00083244	.00028078	.00167963	.00112121	.00439280	.00217692	.00135799
119 PIPELINE TRN	0.	0.	0.	0.	0.	0.	0.	0.
120 LOC,SUB TRAN	0.	.00000453	.00000363	.00006921	0.	.00000832	.00001138	0.
121 OTH TRAN SER	0.	.00000377	.00000297	.00002775	0.	.00000762	.00000931	0.
122 TELEP,TELEGR	.02161360	.00608581	.00499442	.00495150	.00402004	.00678950	.01208735	.00366697
123 RADIO , TV	.01106843	.00371071	.00779960	.00380389	.00202729	.00758100	.02073093	.00314873
124 OTH COMMUNIC	0.	0.	0.	0.	0.	0.	0.	0.
125 GAS SERVICES	.00329960	.00172523	.00314001	.00153323	.00189696	.00129400	.00243133	.00375299
126 ELEC SERVICES	.01786462	.01729072	.02349603	.00544269	.01581005	.01530478	.01529327	.01921123
127 WATER,SANI SERV	.00248085	.00162904	.00260547	.00132367	.00343274	.00163084	.00316042	.00583418
128 WHL AUT PT,S	.00156977	.00059406	.00043468	.00701037	.00928377	.00047269	.00140440	.00009823
129 WHL GRO,RELP	.01577159	.01970204	.02158395	.00708851	.01569699	.00470469	.00858566	.02984443
130 WHL FM PROD	0.	0.	0.	0.	.00020728	0.	0.	0.
131 WHL LIVESTOC	0.	0.	0.	0.	0.	0.	0.	0.
132 WHL MAC,EQ,S	.00022161	.00044885	.00014039	.00010972	.00191266	.00038882	.00024406	.00147640
133 WHL PET,PETP	.04631134	.06277157	.06804839	.02200584	.01998869	.01373355	.02171132	.00253040
134 GEN WHL	.00263475	.00625668	.00417251	.00178393	.00618709	.00705426	.01269441	.00686110
135 LUMBER YARDS	.03367930	.04727585	.05141866	.01613128	.00638966	.00998255	.01534085	.00171215
136 FARM EQ DEAL	.00326882	.00458275	.00498454	.00156353	.00081343	.00096755	.00147989	.00020655
137 HDW,HT,E,P,W	.00004309	.00001622	.00001681	.00001531	0.	.00000693	.00010652	.00000531
138 DEPT,VAR STO	.00084952	.00174861	.00190417	.00043793	.00036118	.00072982	.00267436	.00006584
139 FOOD STORES	.00123735	.00169920	.00180696	.00054893	.00025596	.00049625	.00090593	.00302315
140 AUTO DEAL,RP	.00574352	.00181009	.00166327	.02429117	.00258162	.00189560	.00549867	.00083205
141 GAS SER STAT	.00700549	.00832815	.00910629	.00317650	.00984752	.00199055	.00345309	.00057691
142 APPRL ACC ST	0.	.00001999	.00002142	0.	0.	.00020793	.00001344	.00001142
143 FURN,HM F,EQ	0.	.00001848	.00002010	0.	0.	.00003465	.00299909	0.
144 EAT,DRINK PL	.00041245	.00044206	.00020696	.00050619	.00037217	.00105142	.00085629	.00022461
145 OTHER RETAIL	.00092340	.00085205	.00084894	.00044590	.00044283	.00051081	.00176739	.00307890
146 BANK,CRD AGE	.03244195	.00529826	.01067168	.02069397	.00574112	.01279649	.03836349	.01437610
147 INSURANCE CA	.02184137	.00475814	.00634560	.00492471	.00515852	.00611027	.01327458	.00760447
148 F.I.R.E. NEC	.05686883	.05988010	.05178611	.02918079	.03378245	.07642965	.07913246	.04324777
149 LEGAL SERVIC	.00302258	.00087921	.00151563	.00181965	.00054490	.00391942	.00389261	.00194526
150 LODGING SERV	.00094802	.00076945	.00016181	.00045101	.00072549	.00157054	.00094006	.00048187

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 137 *	* SECTOR 138 *	* SECTOR 139 *	* SECTOR 140 *	* SECTOR 141 *	* SECTOR 142 *	* SECTOR 143 *	* SECTOR 144 *
151 PERSONAL SER	.00030780	.00014069	.00060309	.00027494	.00253137	.00037288	.00069289	.00212234
152 ADVERTISING	.00142818	.00112702	.00146751	.00125127	.00060144	.00193788	.00330520	.00071709
153 DUPL, ADDRESS	.00055404	.00024554	.00060572	.00081845	.00051507	.00341623	.00297634	.00045665
154 PRI EMPL AGE	0.	0.	0.	0.	0.	0.	0.	0.
155 PHOTO SERVIC	.00072640	.00064913	.00055860	.00053808	.00022456	.00535411	.00370439	.00039903
156 RESRCH, DEVEL	0.	0.	0.	0.	0.	0.	0.	0.
157 OTHER BUS SE	.00259782	.00314946	.00698428	.00158841	.00180745	.00342732	.00283776	.00323262
158 MTN PCT, AM, R	.00323188	.00127789	.00096857	.00095911	.00083698	.00089547	.00309733	.03057241
159 AUTO RENT SE	.01147472	.00012824	.00005504	.00012344	.00021513	.00049279	.00633118	.00004274
160 AUTO PARKING	0.	.00008449	.00000692	.00001372	.00002827	.00008872	.00002275	.00000531
161 ELEC REP SHP	.00204378	.00256294	.00465893	.00086597	.00312652	.00206263	.02640334	.00106037
162 MISC REP SER	.00163749	.00165130	.00144082	.00130358	.00229896	.00155113	.00520600	.00434530
163 PHYS, DENT SE	.00006156	.00027685	.00001813	.00001946	.00002041	.00001663	.00006412	.00000319
164 HOSP, LAB SER	.00012928	.00061066	.00004021	.00004274	.00004711	.00003743	.00014065	.00000690
165 OTH MED SERV	0.	0.	0.	0.	0.	0.	0.	0.
166 ED(PUB, PRI)	.00936938	.00425347	.00364357	.00178903	.00178389	.00432972	.00649768	.00169092
167 COLL, UNIV	.00229618	.00098633	.00102953	.00103247	.00158760	.00158509	.00231033	.00157490
168 OTH EC SERV	0.	0.	0.	0.	0.	0.	0.	0.
169 ENG, ARCH SER	0.	.00000264	.00000461	0.	0.	0.	.00000621	0.
170 COMPU, ACCT SERV	.00991726	.00783895	.00500859	.00824697	.00743236	.01221291	.02095741	.01059656
171 OTH PROF SER	0.	0.	0.	0.	0.	0.	0.	0.
172 OTHER SERVIC	.00070178	.00025950	.00029660	.00062739	.00020571	.00259423	.00219864	.00011629
173 ORD, ORD ACCS	0.	0.	0.	0.	0.	0.	0.	0.
174 OUTDOOR REC	.00013543	.00005846	.00002373	.00006124	.00014918	.00010881	.00018615	.00016328
175 SCRAP	0.	.00010184	0.	0.	0.	0.	0.	0.
176 HOUSEHOLDS	.32385314	.31529340	.29550568	.28117484	.15643913	.37810963	.24004381	.27242507
177 PROP PAY	.05527443	.01540595	.04447096	.03281021	.04960977	.11094130	.05967873	.03141826
178 FEDERAL GOVT	.02211224	.01889902	.01970548	.02618769	.02057600	.06903648	.03043142	.02736607
179 STATE GOVT	.00351506	.00119679	.00203336	.00173353	.00206341	.00125310	.00207454	.00172277
180 LOCAL GOVT	.00909852	.00538086	.00299731	.00176958	.00081657	.00262057	.00379746	.00334652
181 DEPRECIATION	.00728251	.01315531	.01290443	.00548894	.00573798	.01122388	.00897037	.01718633
182 IMPORTS	.20006895	.31045832	.25762387	.43811824	.41063426	.16120686	.21775025	.19425774
TOTAL DIRECT REQ	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 145 *	* SECTOR 146 *	* SECTOR 147 *	* SECTOR 148 *	* SECTOR 149 *	* SECTOR 150 *	* SECTOR 151 *	* SECTOR 152 *
1 IRR COTTON	0.	0.	0.	0.	0.	0.	0.	0.
2 IRR FOOD GRAIN	0.	0.	0.	0.	0.	0.	0.	0.
3 IRR FEED GRAIN	0.	0.	0.	0.	0.	0.	0.	0.
4 OTHER IRR CROP	.03133558	0.	0.	0.	0.	0.	0.	0.
5 DRYLAND COTTON	0.	0.	0.	0.	0.	0.	0.	0.
6 DRY FOOD GRAIN	0.	0.	0.	0.	0.	0.	0.	0.
7 DRY FEED GRAIN	0.	0.	0.	0.	0.	0.	0.	0.
8 OTHER DRY CROP	0.	0.	0.	0.	0.	0.	0.	0.
9 RANGE LIVESTOCK	0.	0.	0.	0.	0.	0.	0.	0.
10 FEEDLOT LVSTK	.00001466	0.	0.	0.	0.	0.	0.	0.
11 DAIRY	0.	0.	0.	0.	0.	0.	0.	0.
12 POULTRY,EGGS	.00000448	0.	0.	0.	0.	0.	.00001778	0.
13 AG SUP EX FMC	0.	0.	0.	0.	0.	0.	0.	0.
14 COTTON GINNING	0.	0.	0.	0.	0.	0.	0.	0.
15 AGRY SERVICES	0.	0.	0.	0.	0.	0.	0.	0.
16 PRIM FORESTRY	0.	0.	0.	0.	0.	0.	0.	0.
17 FISHERIES	0.	0.	0.	0.	0.	0.	0.	0.
18 CRUDE PETRO	0.	0.	0.	0.	0.	0.	0.	0.
19 NATRL GAS LQDS.	.00058248	0.	0.	0.	0.	0.	0.	0.
20 OIL,GAS FLDSV	0.	.00068758	.00000292	.00001914	0.	0.	0.	0.
21 LIGNITE,OTH MINE	0.	0.	0.	0.	0.	0.	.00002702	0.
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	0.	0.	0.	0.	0.	0.	0.	0.
24 INDUS CONS	0.	0.	0.	0.	0.	0.	0.	0.
25 FACILITY CONS	0.	0.	0.	0.	0.	0.	0.	0.
26 MAINTEN,REPR	.00125702	.00763958	.00019612	.04286398	.00034641	.01987768	.00613998	.00048127
27 MEAT PRODUCTS	.00093279	0.	0.	0.	0.	.00423610	.00179898	.00014260
28 POULTRY PROD	.00000448	0.	0.	0.	0.	.00016657	.00003626	0.
29 DAIRIES	.00004318	0.	0.	0.	0.	.00045903	.00123937	.00009982
30 OTH GRAIN MIL	.00000978	0.	0.	0.	0.	.00006491	.00002915	0.
31 ANIMAL FEEDS	0.	0.	0.	0.	0.	0.	0.	0.
32 BAKERY PROD	.00008717	0.	0.	0.	0.	.00038162	.00077363	.00006060
33 CNND,PSVP,PCK	.00023584	0.	0.	0.	0.	.00097359	.00147118	.00011764
34 OTH FOOD PROD	.00006477	0.	0.	0.	0.	.00824307	.00031855	.00002495
35 BEVERAGES	.00014216	.00030646	.00006978	.00005892	.00018878	.00403903	.00031926	.00002495
36 TEXTILE MILL	.00001874	0.	0.	0.	0.	.00087506	.00026238	0.
37 MBWMC FURN	.00035234	.00017376	0.	.00000494	0.	.00034486	.01167556	.00003921
38 RELATED APPRL	0.	0.	0.	0.	0.	.00001799	.00007466	0.
39 LOGGING	0.	0.	0.	0.	0.	0.	0.	0.
40 LUMBER MILLS	0.	0.	0.	.00000695	0.	.00001017	.00001707	0.
41 MILLWORK,WOOD	.00002118	0.	.00006257	.00499879	0.	.00020801	.00010666	0.
42 WOOD FURN,FIX	.00001344	.00132819	.00031163	.00009720	.00002733	.00062013	.00043303	.00013190
43 MET FURN,FIXT	.00000448	.00007634	.00001856	.00000826	.00002352	.00014154	.00036691	.00011408
44 PAPER,PAP MIL	.00076986	0.	.00004727	.00000262	.00001335	.00009540	.00027518	.00034936
45 PAP EX BOX,CT	.00010224	.00002067	.00002080	.00000886	.00008136	.00092745	.00943929	.00069160
46 BOXES,PAP CNT	.00008147	.00000988	.00000223	.00000071	.00000381	.00022678	.00006684	.00002139
47 NEWSPAPERS	.00958043	.00281859	.00027811	.00270547	.00027014	.00165628	.00582072	.00545794
48 PUBLISHING	.00019348	.00017821	.00029702	.00004341	.00047226	.00068581	.00075372	.00034936
49 PRINTING	.00199552	.00108680	.00585008	.00095322	.00042777	.00151943	.00357378	.01063780
50 MANFLD BUS FM	.00022322	.00101825	.00074512	.00023468	.00006102	.00011886	.00050272	.00032441

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 145 *	SECTOR 146 *	SECTOR 147 *	SECTOR 148 *	SECTOR 149 *	SECTOR 150 *	SECTOR 151 *	SECTOR 152 *
51 OTH PRNT,PUBS	.00083299	.00004732	.00010347	.00006587	.00002288	.00027370	.00023678	.00158284
52 CHLOR,ALKALIE	0.	0.	0.	0.	.00003687	.00026119	.00091442	.00017825
53 CYCCRD INT,IG	.00000326	0.	0.	0.	0.	0.	.00000853	0.
54 ORG CHEM	.00041751	0.	.00002045	.00010143	.00002098	.00015093	.00319834	.00011051
55 INORG CHEM	.00000855	0.	0.	0.	.00002161	.00064750	.00097699	.00011408
56 FIBERS,PLASTI	0.	0.	0.	0.	0.	.00001329	.00007751	0.
57 SYN RUBBER	0.	0.	0.	0.	0.	0.	0.	0.
58 DRUGS	0.	0.	0.	0.	0.	.00003910	.00076154	.00006060
59 AGRIC CHEMICAL	.00000326	0.	0.	.00016861	0.	.00013372	.00096206	0.
60 SPS,CLNS,TOIL	.00002525	.00003340	0.	.00001017	.00006674	.00013607	.00942222	.00002852
61 PAINT+VARNISH	0.	.00000452	.00000447	.00061057	0.	0.	.00005475	0.
62 OTH CHEMICALS	0.	0.	0.	0.	0.	.00001720	.00033349	0.
63 PETRO REFING	.00535518	.00003438	.00193438	.00132438	.00218906	.00101895	.00855829	.00620657
64 OTH PETRO PRD	0.	0.	0.	0.	0.	0.	0.	0.
65 TIRES	.00003340	.00000932	.00000567	.00000322	.00001462	0.	.00003058	0.
66 FAB RUBBER PR	0.	0.	0.	.00001128	0.	.00000626	.00030718	0.
67 PLASTIC PRODS	.00000489	0.	0.	0.	.00002415	.00022600	.00038539	.00011764
68 LEATHER,L PRD	.00002444	.00005275	.00005071	.00000574	.00002606	.00002659	.00024745	.00002852
69 GLASS	.00000244	0.	0.	0.	0.	0.	.00000995	0.
70 CLAY	0.	0.	0.	0.	0.	.00001564	.00002204	0.
71 CUT ST,CL,SH	0.	.00001162	.00014026	.00068480	.00000636	.00006100	.00317914	.00005704
72 CEMENT,CONCRT	0.	0.	.00021331	.00106754	0.	.00000547	.00017776	0.
73 BLAST FURNACE	0.	0.	0.	0.	0.	.00002659	.00001849	0.
74 PRI STEEL,IRO	0.	0.	.00001564	.00007756	0.	.00003050	.00003484	0.
75 FOUNDRIES	0.	0.	.00000189	.00000896	0.	.00001017	.00004266	0.
76 NONFER SMELTG	0.	0.	0.	0.	0.	0.	.00000995	0.
77 AL SHLT ROL DR	0.	0.	.00000275	.00001380	0.	.00005005	.00005617	0.
78 CAST,FORGINGS	0.	.00001246	.00000739	.00002347	0.	.00001720	.00005191	0.
79 FABRI STEEL	0.	0.	0.	0.	0.	.00001408	.00000853	0.
80 PLATE WORK	0.	0.	0.	0.	0.	.00001329	.00003769	0.
81 SH MET,ARCH	0.	.00004815	.00013648	.00062518	.00002797	.00017986	.00177338	.00013547
82 METAL DOORS	0.	.00000278	.00003472	.00016901	0.	.00002581	.00003626	0.
83 FAB MET PROD	.00000204	.00003792	.00001977	.00005691	.00004068	.00025493	.00167170	.00019607
84 PLUMBING	.00000774	0.	.00000739	.00003717	.00000572	.00010948	.00008959	.00002852
85 BOLTS,NUTS,SC	0.	0.	.00000636	.00003132	.00033116	.00001486	.00004195	0.
86 ELCTPLT,CT,EN	0.	0.	0.	0.	.00000445	.00002346	.00006755	.00002139
87 VALVE,PIPE FT	.00001263	.00000404	.00000963	.00004351	.00000508	.00008915	.00008817	.00002139
88 OTH FAB MET P	.00000244	.00000821	.00000533	.00001702	0.	.00000782	.00000569	0.
89 FM,CONS,IND M	0.	0.	0.	0.	0.	0.	.00003200	0.
90 MTL HDL MC,EQ	0.	0.	0.	0.	0.	0.	.00000995	0.
91 MIN MACH,EQU	0.	0.	0.	0.	0.	.00000469	.00124293	0.
92 ENGINES	.00001181	0.	0.	0.	0.	0.	0.	0.
93 METAL WK MACH	0.	0.	0.	0.	0.	.00003519	.00001849	0.
94 IND PROC MACH	.00000530	0.	0.	0.	0.	0.	.00029509	0.
95 GEN IND MACH	0.	0.	0.	0.	.12872987	0.	.00000498	0.
96 REFRIG MACH	.00004766	0.	0.	.00009498	0.	.00032062	.00043019	.00002495
97 COMPU,ACCT MACH	.00013401	0.	0.	0.	.00001462	.00017204	.00152380	.00007130
98 ELEC INST,AP	.00012016	.00007794	.00002355	.00003173	.00004004	.00011339	.00022612	.00013903
99 ELEC HSLD EQ	.00002037	.00026728	.00008044	.00010868	.00004386	.00004066	.00016710	.00003565
100 ELEC COMM EQ	0.	0.	.00000138	.00000645	.00006038	.00044496	.00084971	.00025668

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 145	* SECTOR 146	* SECTOR 147	* SECTOR 148	* SECTOR 149	* SECTOR 150	* SECTOR 151	* SECTOR 152 *
101 OTH ELEC APP	.00002607	0.	0.	0.	.00001398	.00006334	.00019839	.00006060
102 AIRCRAFT	0.	0.	0.	0.	0.	0.	0.	0.
103 AIRCRAFT ENG	0.	0.	0.	0.	0.	0.	0.	0.
104 OTH AIRCRAFT	0.	0.	0.	0.	0.	0.	.00000711	0.
105 MOTOR VHCL,P	.00029491	.00002067	0.	.00000060	.00001335	.00010635	.00100615	.00008199
106 SHIP,BT BLDG	0.	0.	0.	0.	0.	0.	0.	0.
107 OTH TRANS EQ	.00244032	0.	0.	0.	0.	.00001095	.00020550	0.
108 SCIENTIF INS	0.	0.	0.	0.	.00000890	.00004848	.00014079	.00004634
109 MECH HSRG DV	0.	0.	0.	0.	0.	0.	.00001067	0.
110 MEDICAL INST	0.	0.	0.	0.	.00011250	.00060683	.00176413	.00054187
111 PHO, TM, OPT I	0.	0.	0.	0.	.00005911	.00030654	.00089238	.00039927
112 GAMES, TOYS	0.	.00000550	.00000120	0.	.00000572	.00003206	.00009670	.00011408
113 OTH MFG IND	.00026802	.00010890	.00021932	.00058408	.00009661	.00103615	.03240502	.00049196
114 RAIL TRANS	.00011690	.00020709	.00014146	.00003203	.00031908	.00071788	.00049916	.00106948
115 INTERCTY H6Y	.00000367	0.	0.	0.	.00001907	.00005552	.00004693	.00106592
116 MOTOR FRT STR	.00142729	.00037034	.00026350	.00058066	.00078562	.00223339	.00404592	.00487685
117 WATER TRANS	0.	0.	0.	0.	0.	0.	0.	0.
118 AIR TRANS	.00230712	.00071020	.00170973	.00013325	.00350732	.00399524	.00354675	.00903001
119 PIPELINE TRN	0.	0.	0.	0.	0.	0.	0.	0.
120 LOC, SUB TRAN	.00000326	0.	0.	0.	.00002924	.00008993	.00144985	.00022459
121 OTH TRAN SER	.00007699	.00063066	.00006703	.00000957	.00006293	.00003519	.00004764	.00009269
122 TELEP, TELEGR	.00831933	.01361606	.00515876	.01226551	.01424859	.03746879	.01439820	.01210300
123 RADIO, TV	.00386231	.00279722	.00060813	.00080607	.00039281	.00197924	.00338392	.01201387
124 OTH COMMUNIC	0.	0.	0.	0.	.00012649	.00342751	.00077932	.00056683
125 GAS SERVICES	.00267087	.00170716	.00166281	.00469481	.00065087	.01050227	.00610372	.00429933
126 ELEC SERVICES	.01086515	.00312052	.00613025	.02980972	.00291048	.04746902	.02125422	.02280141
127 WATER, SANI SERV	.00177148	.00103071	.00074443	.00562840	.00086698	.00903211	.00675505	.00556488
128 WHL AUT PT,S	.00102892	.00046233	.00011052	.00000927	.00042586	.00022991	.00038824	.00064526
129 WHL GRO, RELP	.00706149	0.	.00000653	.00000272	.00060638	.00704270	.00186226	.00365764
130 WHL FM PROD	0.	0.	0.	0.	0.	0.	.00000782	0.
131 WHL LIVESTOC	0.	0.	0.	0.	0.	0.	.00013723	0.
132 WHL MAC, EQ,S	.00006436	.00470409	.00123241	.00009599	.02584284	.00455750	.01241222	.01238463
133 WHL PET, PETP	.01135599	.00001698	.00053972	.00021887	.00036357	.00125589	.00376789	.00322628
134 GEN WHL	.00207291	.00478210	.00309048	.00127181	.01099805	.01005106	.01516188	.01641302
135 LUMBER YARDS	.00690426	0.	.00001684	0.	.00004195	0.	.00147189	0.
136 FARM EQ DEAL	.00067210	0.	.00000172	0.	.00660976	0.	.00017350	0.
137 HDW, HT, E, P, W	0.	0.	0.	0.	.00078244	.00001642	.00004977	0.
138 DEPT, VAR STO	.00019756	0.	0.	.00001269	.00376157	.00015405	.00125217	.00002852
139 FOOD STORES	.00395641	0.	0.	.00000655	.00031908	.00155931	.00064777	.00103383
140 AUTO DEAL, RP	.00314989	.00028370	.00003971	.00004069	.00087206	.00068894	.00195114	.00204985
141 GAS SER STAT	.00170712	.00000348	.00019767	.00005993	.00037946	.00027135	.00057880	.00144737
142 APPRL ACC ST	0.	0.	0.	0.	0.	.00009306	.00049845	0.
143 FURN, HM F, EQ	0.	0.	0.	0.	.00017607	.00002268	.00006968	.00002852
144 EAT, DRINK PL	.00291853	0.	.00478594	.00106795	.00165069	.00198785	.00178262	.00653098
145 OTHER RETAIL	.00074908	0.	0.	.00001390	.00075511	.00163438	.00243608	.00532247
146 BANK, CRD AGE	.02466675	.04840780	.03954538	.15639993	.01099932	.06669529	.00858033	.02947143
147 INSURANCE CA	.01341382	.01471079	.09228235	.00812064	.01618213	.00520734	.02016772	.01389973
148 F.I.R.E. NEC	.05181904	.04007883	.07409495	.04258035	.04871672	.08238457	.05158296	.08380480
149 LEGAL SERVIC	.00302199	.00678680	.00708833	.02129979	.00092673	.00450041	.01010555	.01010663
150 LODGING SERV	.00113482	0.	.00365048	.00094084	.00125852	.00210593	.00156859	.00435280

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 145	* SECTOR 146	* SECTOR 147	* SECTOR 148	* SECTOR 149	* SECTOR 150	* SECTOR 151	* SECTOR 152
151 PERSONAL SER	.00050713	.00001503	.00000189	0.	.00043413	.01492761	.00450134	.00375746
152 ADVERTISING	.00142932	.00041863	.00055605	.00053140	.00033666	.00070278	.00135456	.00254894
153 DUPL, ADDRESS	.00023625	.00062621	.00050620	.00116484	.00019958	.00046764	.00038539	.02191017
154 PRI EMPL AGE	0.	.00072356	.00048265	.00002296	.00014683	.00037692	.00032282	.00099106
155 PHOTO SERVIC	.00101140	.00172337	.00021331	.00003686	.00060383	.00178374	.00151811	.03081185
156 RESRCH,DEVEL	0.	0.	0.	0.	0.	0.	0.	.00004634
157 OTHER BUS SE	.00574622	.01263830	.00560050	.01034164	.00154709	.00311940	.00421444	.00842397
158 MTN PCT,AM,R	.00103666	.00008622	.00001066	.00000151	.00018496	.00063420	.00046503	.00152936
159 AUTO RENT SE	.00140244	.00017918	.00022001	.00001078	.00104877	.00049970	.00103388	.00145450
160 AUTO PARKING	.00002892	.00023875	.00023892	.00001330	.00004513	.00004614	.00001209	.00003565
161 ELEC REP SHP	.00509979	0.	0.	.00000917	.00009026	.00128952	.00691432	.00117287
162 MISC REP SER	.00251323	.00001698	.00000206	.00062336	.00054091	.00128940	.00352685	.00387866
163 PHYS, DENT SE	.00002566	0.	.00318054	.00002589	.00010742	.00033861	.00028940	.00082350
164 HOSP, LAB SER	.00005662	0.	.00296775	.00004643	.00053837	.00169772	.00145198	.00413890
165 OTH MED SERV	0.	0.	0.	0.	.00001970	.00006256	.00005262	.00014973
166 ED(PUB,PRI)	.01229325	.00953142	.01131118	.01593670	.00173968	.00821335	.00374514	.00671280
167 COLL, UNIV	.00675029	.00097685	.00889535	.00254663	.00045764	.00195031	.00357022	.00306586
168 OTH ED SERV	0.	0.	0.	0.	.00038010	.00003284	.00002844	.00000912
169 ENG, ARCH SER	.00005906	.00076280	.00009385	.00001622	.00087461	.00248676	.00209193	.00640265
170 COMPU, ACCT SERV	.00567657	.02216186	.00857839	.00925154	.01299515	.01800635	.00603475	.01106203
171 OTH PROF SER	0.	.00031863	.00003919	.00000675	.00001716	.00005005	.00004266	.00230296
172 OTHER SERVIC	.00116823	.00554608	.00668010	.00674479	.00517581	.00703879	.00545452	.01642372
173 ORD, ORD ACCS	0.	0.	0.	0.	0.	0.	0.	0.
174 OUTDOOR REC	.00022892	.00013472	.00099538	.00052929	.00005657	.00042150	.00042237	.00044918
175 SCRAP	0.	0.	0.	0.	0.	0.	0.	0.
176 HOUSEHOLDS	.35601190	.47101592	.39655713	.20689212	.41584169	.23059719	.31250124	.39640439
177 PROP PAY	.09415663	.09035752	.10419925	.18247108	.16935203	.10306615	.03992446	.01724722
178 FEDERAL GOVT	.03527447	.05730689	.02703634	.01875608	.01955025	.02771411	.03356476	.02963185
179 STATE GOVT	.00316659	.00090239	.01484752	.00891865	.00017988	.00218491	.00302839	.00153293
180 LOCAL GOVT	.00333726	.00676412	.00258359	.01509024	.00077418	.02424203	.00519214	.00169692
181 DEPRECIATION	.01574661	.00723487	.00291464	.03125045	.0177816	.08105986	.01155895	.02271228
182 IMPORTS	.22074171	.14976139	.14717028	.14463822	.05963659	.10295197	.22678611	.10426047
TOTAL DIRECT REQ	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 153 *	* SECTOR 154 *	* SECTOR 155 *	* SECTOR 156 *	* SECTOR 157 *	* SECTOR 158 *	* SECTOR 159 *	* SECTOR 160 *
1 IRR COTTON	0.	0.	0.	0.	0.	0.	0.	0.
2 IRR FOOD GRAIN	0.	0.	0.	0.	0.	0.	0.	0.
3 IRR FEED GRAIN	0.	0.	0.	0.	0.	0.	0.	0.
4 OTHER IRR CROP	0.	0.	0.	0.	0.	0.	0.	0.
5 DRYLAND COTTON	0.	0.	0.	0.	0.	0.	0.	0.
6 DRY FOOD GRAIN	0.	0.	0.	0.	0.	0.	0.	0.
7 DRY FEED GRAIN	0.	0.	0.	0.	0.	0.	0.	0.
8 OTHER DRY CROP	0.	0.	0.	0.	0.	0.	0.	0.
9 RANGE LVESTOCK	0.	0.	0.	0.	0.	0.	0.	0.
10 FEEDLOT LVSTK	0.	0.	0.	0.	0.	0.	0.	0.
11 DAIRY	0.	0.	0.	0.	0.	0.	0.	0.
12 POULTRY,EGGS	0.	0.	.00001193	0.	.00000292	.00000533	0.	0.
13 AG SUP EX FMC	0.	0.	0.	0.	0.	0.	0.	0.
14 COTTON GINNING	0.	0.	0.	0.	0.	0.	0.	0.
15 AGRI SERVICES	0.	0.	0.	0.	0.	0.	0.	0.
16 PRIM FORESTRY	0.	0.	0.	0.	0.	0.	0.	0.
17 FISHERIES	0.	0.	0.	0.	0.	0.	0.	0.
18 CRUDE PETRO	0.	0.	0.	0.	0.	0.	0.	0.
19 NATRL GAS LQDS.	0.	0.	0.	0.	0.	0.	0.	0.
20 OIL,GAS FLDSV	0.	0.	0.	0.	0.	0.	0.	0.
21 LIGNITE,OTH MINE	.00056230	0.	0.	0.	0.	0.	0.	0.
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	0.	0.	0.	0.	0.	0.	0.	0.
24 INDUS CONS	0.	0.	0.	0.	0.	0.	0.	0.
25 FACILITY CONS	0.	0.	0.	0.	0.	0.	0.	0.
26 MAINTEN,REPR	.00367148	.00282864	.00481111	.00976156	.00178337	.01583274	.00302989	.00016908
27 MEAT PRODUCTS	.00017365	.00011458	.00129864	.00293380	.00028834	.00052397	.00037995	0.
28 POULTRY PROD	0.	0.	.00002556	.00006096	.00000583	.00001066	0.	0.
29 DAIRIES	.00011577	.00007877	.00089473	.00202699	.00019854	.00036145	.00026142	0.
30 OTH GRAIN MIL	0.	0.	.00002045	.00004572	.00000466	.00000799	0.	0.
31 ANIMAL FEEDS	0.	0.	0.	0.	0.	0.	0.	0.
32 BAKERY PROD	.00007442	.00005013	.00055900	.00125734	.00012391	.00022557	.00016400	0.
33 CNMD,PSVP,PCK	.00014057	.00009309	.00106175	.00240038	.00023586	.00042894	.00031013	0.
34 OTH FOOD PROD	0.	0.	.00023007	.00051818	.00005102	.00009236	.00006657	0.
35 BEVERAGES	0.	0.	.00023178	.00052580	.00005102	.00065185	.00006820	0.
36 TEXTILE MILL	.00032250	0.	.00015679	.00015241	.00006093	.00002664	.00001948	0.
37 HBWMC FURN	.00004961	0.	.00035619	.00080013	.00008076	.00070247	.00010392	0.
38 RELATED APPRL	0.	0.	.00003409	.00034291	.00015568	.00003197	.00000974	0.
39 LOGGING	0.	0.	0.	0.	0.	0.	0.	0.
40 LUMBER MILLS	0.	0.	.00001193	0.	.00000262	.00000533	0.	0.
41 MILLWORK,WOOD	0.	0.	.00006647	.00080775	.00005947	.00002664	.00001948	0.
42 WOOD FURN,FIX	.00023980	.00028644	.00028631	.00046484	.00022099	.00009502	.00006333	0.
43 MET FURN,FIXT	.00009923	.00024348	.00024371	.00039625	.00009242	.00008082	.00005358	0.
44 PAPER,PAP MIL	.00059538	.00014322	.00032722	.00053342	.00009184	.00004618	.00003085	0.
45 PAP EX BOX,CT	.01188271	.00057289	.00078225	.00096777	.00041924	.00097067	.00013639	0.
46 BOXES,PAP CNT	.00006615	0.	.00017383	.00017527	.00002187	.00001332	0.	0.
47 NEWSPAPERS	.00178613	.02277236	.00508549	.00105922	.00326033	.01260722	.00078914	0.
48 PUBLISHING	.00198459	.00033657	.00090325	.00061724	.00020496	.00038099	.00012178	0.
49 PRINTING	.00324149	.00338721	.00245583	.00443500	.00189008	.00156214	.00052934	0.
50 MANFLD BUS FM	.00020673	.00025064	.00035619	.00044198	.00072624	.00020959	.00076803	0.

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 153 *	* SECTOR 154 *	* SECTOR 155 *	* SECTOR 156 *	* SECTOR 157 *	* SECTOR 158 *	* SECTOR 159 *	* SECTOR 160 *
51 OTH PRNT,PUBS	.01112195	.00179028	.00085724	.00026671	.00041749	.00008526	.00049362	.00085842
52 CHLOR,ALKALIE	.00010750	.00037954	.00038175	.00137165	.00125393	.00013588	.00008443	0.
53 CYCCRD INT,I6	0.	0.	0.	.00011430	.00002711	0.	0.	0.
54 ORG CHEM	.00005788	.00021483	.00021985	.00108208	.00009679	.00016163	.00004871	0.
55 INORG CHEM	.00006615	.00022199	.00022326	.00041911	.00009184	.00053374	.00004871	0.
56 FIBERS,PLASTI	.00277015	0.	.00002727	.00004572	.00002536	.00000888	0.	0.
57 SYN RUBBER	0.	0.	0.	0.	0.	0.	0.	0.
58 DRUGS	.00007442	.00005013	.00055047	.00124210	.00012187	.00022202	.00016075	0.
59 AGRIC CHEMICAL	0.	0.	.00007328	.00016765	.01084631	.00002931	.00002111	0.
60 SPS,CLNS,TOIL	.00034730	0.	.00016020	.00046484	.00231282	.00014298	.00005358	0.
61 PAINT+VARNISH	0.	0.	.00004090	.00070106	.00001195	.00001421	.00001948	0.
62 OTH CHEMICALS	.00610260	0.	.00016020	.00028195	.00009329	.00005950	.00001624	0.
63 PETRO REFING	.00967486	.00383120	.00585070	.03670683	.01358244	.00187474	.19790571	.00258828
64 OTH PETRO PRD	0.	0.	0.	0.	0.	0.	0.	0.
65 TIRES	.00058711	0.	.00023689	0.	.00002828	.00001687	.00035885	0.
66 FAB RUBBER PR	0.	0.	.00009203	.00108970	.00002041	.00003641	.00002760	0.
67 PLASTIC PRODS	.00007442	.00025064	.00025564	.00051818	.00010408	.00024333	.00005683	0.
68 LEATHER,L PRD	.00156286	.00005013	.00034596	.00008382	.00001924	.00004174	.00001137	0.
69 GLASS	0.	0.	0.	0.	.00000233	0.	.00005683	0.
70 CLAY	0.	0.	.00001193	0.	.00000729	0.	0.	0.
71 CUT ST,CL,SH	0.	.00006445	.00006647	.00033529	.00003032	.00009858	.00001461	0.
72 CEMENT,CONCRT	0.	0.	.00001023	0.	.00000379	0.	0.	0.
73 BLAST FURNACE	0.	0.	.00001193	0.	.00000466	0.	0.	0.
74 PRI STEEL,IRO	0.	0.	0.	0.	.00004257	0.	0.	0.
75 FOUNDRIES	0.	0.	.00001875	0.	.00001195	.00000622	0.	0.
76 NONFER SMELTG	0.	0.	0.	0.	.00000904	0.	0.	0.
77 AL SMLT ROL DR	0.	0.	.00002897	.00004572	.00001808	.00000977	0.	0.
78 CAST,FORGINGS	0.	0.	.00000852	.00009144	.00000321	0.	0.	0.
79 FABRI STEEL	0.	0.	0.	0.	.00000204	0.	0.	0.
80 PLATE WORK	0.	0.	.00002556	.00003810	.00012303	.00000799	0.	0.
81 SH MET,ARCH	.00008269	.00028644	.00028972	.00084585	.00014548	.00142448	.00006333	0.
82 METAL DOORS	0.	0.	.00002045	0.	.00000758	.00059413	0.	0.
83 FAB MET PROD	.00012404	.00042251	.00042606	.00068582	.00016093	.00014121	.00009418	0.
84 PLUMBING	0.	.00005729	.00005965	.00009144	.00002245	.00001954	.00001299	0.
85 BOLTS,NUTS,SC	0.	0.	.00002897	.00004572	.00006706	.00000977	.00004546	0.
86 ELCTPLT,CT,EN	0.	.00004297	.00004431	.00007620	.00001720	.00001510	.00000974	0.
87 VALVE,PIPE FT	0.	.00005013	.00004942	.00007620	.00011982	.00001599	.00000974	0.
88 OTH FAB MET P	0.	0.	0.	.00024385	.00000962	0.	0.	0.
89 FM,CONS,IND M	0.	0.	.00002386	.00005334	.00000525	.00000977	0.	0.
90 MTL HDL MC,EQ	0.	0.	0.	.00126496	0.	0.	0.	0.
91 MIN MACH,EQUP	0.	0.	.00006647	.00462550	.00001487	.00002664	.00001948	0.
92 ENGINES	0.	0.	0.	0.	0.	0.	0.	0.
93 METAL WK MACH	0.	0.	.00001363	0.	.00000321	.00000533	0.	0.
94 IND PROC MACH	0.	0.	.00001023	0.	.00000204	0.	0.	0.
95 GEN IND MACH	0.	0.	0.	.00015241	.00006531	0.	0.	0.
96 REFRIG MACH	0.	0.	.00022155	.00058676	.00010029	.00008881	.00006495	0.
97 COMPU,ACCT MACH	0.	.00015754	.00015679	.00058676	.00046530	.00005151	.00003410	0.
98 ELEC INST,AP	.00042999	.00013606	.00131057	.00022861	.00008805	.00008437	.00003085	0.
99 ELEC HSLD EQ	0.	.00007161	.00007840	.00012954	.00002945	.00002575	.00001786	0.
100 ELEC COMM EQ	.00033903	.00055141	.00055218	.04501292	.00181020	.00018295	.00012178	0.

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 153 *	* SECTOR 154 *	* SECTOR 155 *	* SECTOR 156 *	* SECTOR 157 *	* SECTOR 158 *	* SECTOR 159 *	* SECTOR 160 *
101 OTH ELEC APP	0.	.00012174	.00012441	.00019813	.00021749	.00015364	.00002760	0.
102 AIRCRAFT	0.	0.	0.	0.	0.	0.	0.	0.
103 AIRCRAFT ENG	0.	0.	0.	0.	0.	0.	0.	0.
104 OTH AIRCRAFT	0.	0.	0.	0.	0.	0.	0.	0.
105 MOTOR VHCL,P	.00020673	.00005729	.00070045	.00158502	.00583671	.00027886	.04923814	0.
106 SHIP,BT BLDG	0.	0.	0.	0.	0.	0.	0.	0.
107 OTH TRANS EQ	0.	0.	.00014827	.00033529	.00003294	.00006039	.00004384	0.
108 SCIENTIF INS	0.	.00009309	.00009373	.00016765	.00004257	.00003108	.00002111	0.
109 MECH MSRG DV	0.	0.	0.	.00027433	.00000262	0.	0.	0.
110 MEDICAL INST	.00033076	.00116010	.00117594	.00220988	.00044402	.00038898	.00025817	0.
111 PHO,TH,OPT I	.00752489	.00058721	.03328408	.00096015	.00022420	.00019715	.00012990	0.
112 GAMES,TOYS	0.	.00006135	.00006135	.00009906	.00002332	.00183478	.00001299	0.
113 OTH MFG IND	.00142229	.00068747	.00072601	.00188221	.00100320	.00135166	.00114311	0.
114 RAIL TRANS	0.	.00005729	.00030847	.00019813	.00066589	.00020604	.00281880	.00013006
115 INTERCTY HGY	.00006615	0.	.00004261	0.	.00003819	.00124598	.00001786	0.
116 MOTOR FRT STR	.01130387	.00027212	.02782876	.00149357	.00446470	.00119092	.00162374	.00081941
117 WATER TRANS	0.	0.	0.	0.	0.	0.	0.	0.
118 AIR TRANS	.00174478	.00397442	.00871044	.01936310	.00539531	.00775474	.00871459	.00158679
119 PIPELINE TRN	0.	0.	0.	0.	0.	0.	0.	0.
120 LOC,SUB TRAN	0.	0.	.00006476	.00003810	.00005889	.00004440	.00002760	0.
121 OTH TRAN SER	.00051268	0.	.00002727	0.	.00018746	.00027975	.00001137	0.
122 TELEP,TELEGR	.00747528	.03225368	.01497358	.00749834	.01825968	.00574234	.00441981	.00387592
123 RADIO , TV	.00025634	.00104552	.00145373	.00037339	.00224693	.00422372	.00074529	.00022111
124 OTH COMMUNIC	0.	.00033657	.00033233	.00010668	.00057288	.00016163	.00010554	.00006503
125 GAS SERVICES	.00166209	.00025064	.00190365	.00092205	.00226209	.00440844	.00119020	.00308253
126 ELEC SERVICES	.00856680	.00171151	.00880077	.00441975	.00956176	.02085396	.00384176	.01041816
127 WATER,SANI SERV	.00343995	.00036522	.00234676	.00118876	.00268279	.00491287	.00103757	.00162580
128 WHL AUT PT,S	0.	0.	.00019599	.00214129	.00020087	.00013676	.00799852	.00026013
129 WHL GRO,RELP	.00020673	.00041534	.00106005	.00067058	.00123265	.00835686	.00044328	.00042921
130 WHL FM PROD	0.	0.	0.	.00003810	0.	0.	0.	0.
131 WHL LIVESTOC	0.	0.	0.	0.	0.	0.	0.	0.
132 WHL MAC,EQ,S	.00584626	.00075908	.00394705	.00262137	.00312856	.00518019	.00147922	.00144371
133 WHL PET,PETP	.00171171	.00015754	.00205363	.00253755	.00630522	.00136321	.02637595	.00213306
134 GEN WHL	.05671782	.00393861	.02215701	.01334309	.01224251	.00999804	.00427042	.00183391
135 LUMBER YARDS	.00008269	0.	0.	0.	.00075043	.00007904	0.	0.
136 FARM EQ DEAL	0.	0.	0.	0.	.00007259	.00000799	0.	0.
137 HDW,HT,E,P,W	0.	0.	.00001363	.00009906	.00002362	.00002398	0.	0.
138 DEPT,VAR STO	0.	.00060870	.00027438	.00297952	.00002828	.00003375	0.	0.
139 FOOD STORES	0.	.00037238	.00035789	.00020575	.00029242	.00027175	.00012828	.00013006
140 AUTO DEAL,RP	.00120729	.00226291	.00052150	.00031243	.00222360	.00030284	.02116052	.01495740
141 GAS SER STAT	.00085172	.00052992	.00023178	.00086109	.00070058	.00021403	.00444741	.00023412
142 APPRL ACC ST	0.	0.	.00011078	0.	.00004519	.00009947	0.	0.
143 FURN,HH F,EQ	0.	0.	.00002045	.00435879	.00000758	.00001599	0.	0.
144 EAT,DRINK PL	.00192670	.00201227	.00470204	.00400826	.00278716	.00422550	.00296007	.00070235
145 OTHER RETAIL	.00281150	.00103836	.00148100	.00104398	.00109970	.00167759	.00032312	.00037719
146 BANK,CRD AGE	.00651606	.00547109	.00942964	.01333547	.01903898	.01792329	.02573295	.01889835
147 INSURANCE CA	.00795488	.00575038	.00792308	.00492269	.01180199	.01232925	.01456978	.01364375
148 F.I.R.E. NEC	.03568121	.04664036	.02292562	.01406701	.03061618	.04871224	.04778165	.33430448
149 LEGAL SERVIC	.00371283	.00829974	.00338465	.00140213	.00499939	.00293867	.00161562	.00348573
150 LODGING SERV	.00109152	.00137493	.00604499	.00685062	.00503292	.00164917	.00409181	.00058529

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 153 *	* SECTOR 154 *	* SECTOR 155 *	* SECTOR 156 *	* SECTOR 157 *	* SECTOR 158 *	* SECTOR 159 *	* SECTOR 160 *
151 PERSONAL SER	.00011577	.00019335	.00131568	.00061724	.00267229	.00308698	.00041243	.00044222
152 ADVERTISING	.00007442	.00068031	.00043629	.00012192	.00091982	.00122644	.00018186	.00010405
153 DUPL, ADDRESS	.00180267	.00006445	.00033744	.00163074	.00074781	.00024511	.00014289	.00027314
154 PRI EMPL AGE	.00154632	.00079488	.00028802	.00037339	.00250582	.00020337	.00012178	.00023412
155 PHOTO SERVIC	.00018192	.00026496	.02265294	.01855535	.00456762	.00097512	.00057480	.00109254
156 RESRCH, DEVEL	0.	0.	0.	0.	.0000262	0.	0.	0.
157 OTHER BUS SE	.00586280	.00190486	.00487587	.00318527	.00377229	.00562956	.00241287	.00364180
158 MTN PCT, AM, R	0.	.00007877	.00818383	.00026671	.00037230	.01004777	.00017536	.00016908
159 AUTO RENT SE	.00123210	.00042251	.00054025	.00040387	.00066268	.00057903	.00195011	.00015608
160 AUTO PARKING	0.	.00023632	.00001363	0.	.00002799	.00001510	.00001786	0.
161 ELEC REP SHP	.00012404	0.	.00063910	.00116590	.00247812	.00022557	.00032637	.00007804
162 MISC REP SER	.00539146	.00024348	.00381412	.00034291	.00096705	.00226550	.00037508	.00029915
163 PHYS, DENT SE	0.	.00019335	.00026586	.00015241	.00026530	.00135610	.00010230	.00010405
164 HOSP, LAB SER	.00010750	.00095959	.00132932	.00076203	.00133206	.00084812	.00051148	.00049424
165 OTH MED SERV	0.	0.	.00004772	0.	.00004869	.00003019	.00001948	0.
166 ED (PUB, PRI)	.00967486	.00399590	.00334204	.00163836	.00461456	.00943233	.01316200	.05181765
167 COLL, UNIV	.00361360	.00048696	.00121513	.00112780	.00110437	.00422727	.00437109	.00120960
168 OTH ED SERV	0.	0.	.00002556	0.	.00002274	.00001687	.00000974	0.
169 ENG, ARCH SER	.00025634	.00036522	.00268931	.00118114	.00235392	.00131969	.00079238	.00149574
170 COMPU, ACCT SERV	.00375418	.00763375	.00537522	.00236990	.00402593	.00640841	.00265156	.00362880
171 OTH PROF SER	0.	0.	.00010566	0.	.00009563	.00002753	.00001624	0.
172 OTHER SERVIC	.00341514	.00115294	.00413452	.01462329	.00513292	.00659668	.00342933	.00234116
173 ORD, ORD ACCS	0.	0.	0.	0.	0.	0.	0.	0.
174 OUTDOOR REC	.00018192	0.	.00029484	.00006096	.00025102	.00033125	.00093852	0.
175 SCRAP	0.	0.	0.	0.	0.	0.	0.	0.
176 HOUSEHOLDS	.35334734	.67223563	.30136323	.42353443	.54935691	.45703144	.15456822	.28904208
177 PROP PAY	.05952932	.03073552	.04077769	.03735455	.02949636	.05729733	.02926945	.07625675
178 FEDERAL GOVT	.04987927	.03503935	.02340452	.01784666	.03802781	.03568317	.02126931	.01370879
179 STATE GOVT	.00362187	.00101688	.00080952	.00115828	.00179241	.00468730	.00420060	.00291344
180 LOCAL GOVT	.00473820	.00158977	.00423507	.00046484	.00137959	.00814283	.00496701	.04138649
181 DEPRECIATION	.02627096	.00953861	.02878315	.02507830	.04084966	.01742152	.14074536	.01351369
182 IMPORTS	.23571098	.06772269	.31536709	.19637428	.10082110	.15245719	.16664881	.07673799
TOTAL DIRECT REQ	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 161 *	* SECTOR 162 *	* SECTOR 163 *	* SECTOR 164 *	* SECTOR 165 *	* SECTOR 166 *	* SECTOR 167 *	* SECTOR 168 *
1 IRR COTTON	0.	0.	0.	0.	0.	0.	0.	0.
2 IRR FOOD GRAIN	0.	0.	0.	0.	0.	0.	0.	0.
3 IRR FEED GRAIN	0.	0.	0.	0.	0.	0.	0.	0.
4 OTHER IRR CROP	0.	0.	0.	0.	0.	0.	0.	0.
5 DRYLAND COTTON	0.	0.	0.	0.	0.	0.	0.	0.
6 DRY FOOD GRAIN	0.	0.	0.	0.	0.	0.	0.	0.
7 DRY FEED GRAIN	0.	0.	0.	0.	0.	0.	0.	0.
8 OTHER DRY CROP	0.	0.	0.	0.	0.	0.	0.	0.
9 RANGE LIVESTOCK	0.	0.	0.	0.	0.	0.	0.	0.
10 FEEDLOT LVSTK	0.	0.	0.	0.	0.	0.	0.	0.
11 DAIRY	0.	0.	0.	0.	0.	0.	0.	0.
12 POULTRY,EGGS	0.	.00000914	.00000482	.00007433	.00013976	0.	0.	0.
13 AG SUP EX FMC	0.	0.	0.	0.	0.	0.	0.	0.
14 COTTON GINNING	0.	0.	0.	0.	0.	0.	0.	0.
15 AGRI SERVICES	0.	0.	0.	0.	0.	0.	0.	0.
16 PRIM FORESTRY	0.	0.	0.	0.	0.	0.	0.	0.
17 FISHERIES	0.	0.	0.	0.	0.	0.	0.	0.
18 CRUDE PETRO	0.	0.	0.	0.	0.	0.	0.	0.
19 NATRL GAS LQDS.	0.	0.	0.	0.	0.	0.	0.	0.
20 OIL,GAS FLDSV	0.	0.	0.	0.	0.	0.	0.	0.
21 LIGNITE,OTH MINE	0.	0.	0.	0.	0.	0.	0.	0.
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	0.	0.	0.	0.	0.	0.	0.	0.
24 INDUS CONS	0.	0.	0.	0.	0.	0.	0.	0.
25 FACILITY CONS	0.	0.	0.	0.	0.	0.	0.	0.
26 MAINTEN,REPR	.000693144	.00390274	.00345502	.00269711	.00472959	.00369930	0.	.00319475
27 MEAT PRODUCTS	.00085171	.00096288	.00051643	.00141456	.00307007	.01582092	0.	.00056410
28 POULTRY PROD	0.	.00001920	.00001017	.00001880	.00002899	.00312261	0.	0.
29 DAIRIES	.00058593	.00066295	.00035588	.00054556	.00073400	.01345666	0.	.00038799
30 OTH GRAIN MIL	0.	.00001555	.00000803	.00006720	.00018686	.00000325	0.	0.
31 ANIMAL FEEDS	0.	0.	0.	0.	0.	.00001483	0.	0.
32 BAKERY PROD	.00036847	.00041423	.00022209	.00103213	.00040582	.00442168	0.	.00024215
33 CNND,PSVP,PCK	.00069767	.00078731	.00042224	.00094312	.00225635	.01341805	0.	.00046229
34 OTH FOOD PROD	.00015101	.00017008	.00009151	.00062918	.00180550	.00592558	0.	.00009906
35 BEVERAGES	.00098158	.00022860	.00103501	.00027051	.00039392	.00604770	.00056893	.00018161
36 TEXTILE MILL	.00015403	.00024781	.00007171	.00051682	.00006833	.00003353	.00016006	.00003852
37 MBWMC FURN	.00145273	.00096837	.00014878	.00020072	.00099437	0.	0.	.00369831
38 RELATED APPRL	.00002416	.00003292	.00007546	.00001556	.00008282	0.	0.	.00011282
39 LOGGING	0.	0.	0.	0.	0.	0.	0.	0.
40 LUMBER MILLS	0.	.00001737	.00000482	.00000497	.00000880	.00369503	.00059230	.00004403
41 MILLWORK,WOOD	.00004228	.00004938	.00009472	.00002636	.00050055	.00004531	.00174680	.00010181
42 WOOD FURN,FIX	.00034431	.00017831	.00026598	.00019597	.00034992	.00110298	.00289377	.00024490
43 MET FURN,FIXT	.00019632	.00013808	.00021621	.00016442	.00030023	.00049866	.01095582	.00019537
44 PAPER,PAP MIL	.00009363	.00007864	.00016590	.00010674	.00020446	.00054783	.00336800	.00010457
45 PAP EX BOX,CT	.00048022	.00035022	.00052178	.00158137	.00194992	.00206616	.00150235	.00055034
46 BOXES,PAP CNT	.00010873	.00006950	.00004121	.00012121	.00004659	.00012822	.00006339	.00003027
47 NEWSPAPERS	.00251586	.00046635	.00021085	.00043234	.00125422	0.	0.	.00433396
48 PUBLISHING	.00058895	.00027981	.00034946	.00031610	.00049796	.00097476	.00119372	.00044028
49 PRINTING	.00215343	.00133048	.00269188	.00178641	.00269686	.00460720	.00384620	.00169506
50 MANFLD BUS FM	.00016611	.00027524	.00019480	.00030443	.00069777	.00049642	.00047979	.00033571

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 161 *	* SECTOR 162 *	* SECTOR 163 *	* SECTOR 164 *	* SECTOR 165 *	* SECTOR 166 *	* SECTOR 167 *	* SECTOR 168 *
51 OTH PRNT,PUBS	.00040169	.00011430	.00016965	.00011257	.00025467	.00030094	.00062202	.00017061
52 CHLOR,ALKALIE	.00026880	.00021580	.00036712	.00141845	.00044930	.00103999	.00046116	.00094384
53 CYCCRD INT,IG	0.	.00006218	.00000535	.00000389	.00000673	.00001890	.00002694	0.
54 ORG CHEM	.00015101	.00097111	.00019748	.00037638	.00025830	.00048789	.00244647	.00104841
55 INORG CHEM	.00015403	.00012528	.00019908	.00077459	.00027227	.00075774	.00071710	.00016785
56 FIBERS,PLASTI	.00001812	.00001463	.00002301	.00008124	.00005332	.00005182	0.	.00001926
57 SYN RUBBER	0.	0.	0.	0.	0.	0.	0.	0.
58 DRUGS	.00035941	.00040783	.00471694	.00492062	.00792596	.00004206	0.	.00023940
59 AGRI CHEMICAL	.00004832	.00005487	.00002943	.00002917	.00005332	0.	.00081258	.00003302
60 SPS,CLNS,TOIL	.00015403	.00008504	.00014503	.00016118	.00031006	.00003759	.00026584	.00006054
61 PAINT+VARNISH	.00007853	.00113205	.00001498	.00007108	.00002640	.00305332	.00055506	.00001651
62 OTH CHEMICALS	.00007551	.00005578	.00002408	.00010695	.00014442	.00002174	.00080426	.00002201
63 PETRO REFING	.01613108	.00346016	.00257039	.00102846	.00402303	.00475737	.00225273	.00119975
64 OTH PETRO PRD	0.	0.	0.	0.	0.	0.	.00003883	0.
65 TIRES	0.	.00010150	.00001820	.00000907	.00002433	.00000996	.00002258	0.
66 FAB RUBBER PR	.00006645	.00006767	.00019587	.00042824	.00089654	.00000366	.00036846	.00010732
67 PLASTIC PRODS	.00017819	.00014539	.00022637	.00035413	.00030747	.00062749	.00234742	.00019537
68 LEATHER,L PRD	.00021142	.00004206	.00025046	.00009615	.00007868	.00013371	.00014936	.00003852
69 GLASS	0.	.00000823	.00000535	.00000411	.00000725	.00001199	.00024920	0.
70 CLAY	.00003322	.00000732	.00001124	.00005034	.00001501	.00004613	0.	0.
71 CUT ST,CL,SH	.00008457	.00003749	.00012737	.00015773	.00014908	.00017821	.00036370	.00004953
72 CEMENT,CONCRT	.00004832	.00000549	.00000910	.00000691	.00001191	.00002845	0.	0.
73 BLAST FURNACE	0.	.00000732	.00001070	.00000821	.00001449	.00007234	.00016878	0.
74 PRI STEEL,IRO	0.	0.	.00000856	.00000475	.00000828	.00001930	.00002654	0.
75 FOUNDRIES	.00009665	.00009236	.00001713	.00001296	.00002278	.00009733	.00019968	0.
76 NONFER SMELTG	0.	0.	0.	0.	0.	.00000244	0.	0.
77 AL SMLT ROL DR	.00005134	.00025421	.00002569	.00001923	.00003365	.00013472	.00027020	.00002201
78 CAST,FORGINGS	0.	.00000549	.00002408	.00000583	.00001035	.00002865	.00012401	0.
79 FABRI STEEL	0.	0.	.00000535	.00000367	.00000673	.00003962	0.	0.
80 PLATE WORK	.00085775	.00021123	.00002248	.00001707	.00003002	.00005629	0.	.00001926
81 SH MET,ARCH	.00028390	.00214980	.00025420	.00019359	.00033853	.00063196	.00032289	.00021739
82 METAL DOORS	.00006645	.00001920	.00001820	.00001361	.00002381	.00007579	.00011806	.00001651
83 FAB MET PROD	.00029296	.00024049	.00132667	.00028607	.00518511	.00090222	.00190488	.00032195
84 PLUMBING	.00004228	.00021397	.00005298	.00003997	.00006988	.00025522	.00121392	.00004678
85 BOLTS,NUTS,SC	.00002114	.00002652	.00002462	.00006482	.00003313	.00013757	.00010380	.00002201
86 ELCTPLT,CT,EN	.00003322	.00182975	.00003960	.00003003	.00005280	.00008921	0.	.00003302
87 VALVE,PIPE FT	.00013591	.00003841	.00004281	.00003284	.00005746	.00023998	.00049207	.00003852
88 OTH FAB MET P	0.	.00001006	.00000321	.00000238	.00000414	.00000711	.00004200	0.
89 FM,CONS,IND M	0.	.00001737	.00000910	.00000907	.00001708	0.	0.	0.
90 MTL HDL MC,EQ	0.	.00000549	.00000321	.00000281	.00000518	0.	.00032012	0.
91 MIN MACH,EQU	.00004228	.00005029	.00002676	.00002636	.00004866	0.	.00188388	.00003027
92 ENGINES	0.	0.	0.	0.	0.	0.	0.	0.
93 METAL WK MACH	0.	.00001006	.00000535	.00000540	.00000983	.00008108	.00028446	0.
94 IND PROC MACH	0.	.00000732	.00000375	.00000389	.00000725	0.	0.	0.
95 GEN IND MACH	0.	0.	0.	.00000151	.00000311	0.	0.	0.
96 REFRIG MACH	.00063425	.00019111	.00010810	.00100318	.00025209	.00058990	.00212001	.00054209
97 COMPU,ACCT MACH	.00013893	.00015911	.00018731	.00012186	.00048606	.00032086	.00183515	.00011832
98 ELEC INST,AP	.00018121	.00078640	.00017982	.00013266	.00023293	.00032614	.00218142	.00011557
99 ELEC HSLD EQ	.00005436	.00454100	.00011506	.00010241	.00021999	.00032086	.00096393	.00005779
100 ELEC COMM EQ	.02109937	.00031182	.00077706	.00141759	.00263215	.00142729	.00186367	.00188493

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 161	* SECTOR 162	* SECTOR 163	* SECTOR 164	* SECTOR 165	* SECTOR 166	* SECTOR 167	* SECTOR 168 *
101 OTH ELEC APP	.00314105	.00007041	.00010917	.00011084	.00014804	.00024567	.00235693	.00009356
102 AIRCRAFT	0.	0.	0.	0.	0.	0.	0.	0.
103 AIRCRAFT ENG	0.	0.	0.	0.	0.	0.	0.	0.
104 OTH AIRCRAFT	0.	0.	.00000589	.00000194	.00000362	0.	.00034072	0.
105 MOTOR VHCL,P	.00045002	.00069679	.00027507	.00026554	.00050676	0.	.00006894	.00029168
106 SHIP,BT BLDG	0.	0.	0.	0.	0.	0.	0.	0.
107 OTH TRANS EQ	.00009665	.00010973	.00005887	.00005877	.00010818	0.	0.	.00006604
108 SCIENTIF INS	.00006342	.00005304	.00008295	.00009183	.00011077	.00019426	.00407956	.00007154
109 MECH MSRG DV	0.	0.	.00000589	.00000475	.00000828	.00001382	.00024128	0.
110 MEDICAL INST	.00080942	.00066295	.00147652	.00588469	.00148405	.00232788	.01605636	.00088881
111 PHO, TM, OPT I	.00041075	.00033559	.00082576	.00039864	.00069777	.00117613	.00166598	.00044853
112 GAMES, TOYS	.00004228	.00003475	.00005726	.00005531	.00015270	.00017211	.00041441	.00004678
113 OTH HFG IND	.00081546	.00076994	.00075298	.00072273	.00180601	.00144761	.00137438	.00073471
114 RAIL TRANS	.00028692	.00055505	.00016911	.00145130	.00039185	.00008778	.00104079	.00076773
115 INTERCTY HGY	.00003926	.00005578	.00002301	.00015189	.00002381	.00003617	0.	.00004128
116 MOTOR FRT STR	.00384174	.00693677	.00107621	.00609147	.00176771	.00137202	.00178998	.00310944
117 WATER TRANS	0.	0.	0.	0.	0.	0.	0.	0.
118 AIR TRANS	.00321353	.00393657	.00224180	.00850705	.00350074	.00118345	.00263862	.00693434
119 PIPELINE TRN	0.	0.	0.	0.	0.	0.	0.	0.
120 LOC, SUB TRAN	.00006040	.00008687	.00003586	.00023400	.00003675	.00001849	0.	.00006329
121 OTH TRAN SER	.00010269	.00003749	.00001445	.00009550	.00001501	.00000752	0.	.00002752
122 TELEP, TELEGR	.01454545	.00596658	.00833893	.00978722	.00776343	.00435523	.00910165	.00546767
123 RADIO, TV	.00106916	.00068124	.00028257	.00198389	.00049175	.00014692	.00227650	.00125203
124 OTH COMMUNIC	.00033827	.00020757	.00009098	.00062637	.00012009	.00004714	0.	.00016235
125 GAS SERVICES	.00342495	.00179409	.00142033	.00644019	.00419747	.00660041	.00617263	.00181889
126 ELEC SERVICES	.01263365	.00937095	.00813128	.03074836	.02167941	.02352066	.02813577	.00971908
127 WATER, SANI SERV	.00346421	.00204098	.00135075	.00673231	.00556401	.00350707	.00485451	.00246004
128 WHL AUT PT,S	.00018423	.00020300	.00010061	.00063026	.00010818	.00005649	0.	.00036873
129 WHL GRO, RELP	.00228330	.00115674	.00064594	.00526265	.00597812	.00658477	0.	.00103465
130 WHL FM PROD	0.	0.	.00001498	.00000562	0.	0.	0.	0.
131 WHL LIVESTOC	0.	0.	0.	0.	0.	0.	0.	0.
132 WHL MAC, EQ, S	.00325883	.00504484	.00364714	.02413467	.00543719	.00176014	.00058596	.00346992
133 WHL PET, PETP	.00620054	.00094185	.00053356	.00443945	.00195302	.00081545	.00061806	.00079250
134 GEN WHL	.02383268	.01273784	.01238851	.02099614	.00641759	.00414675	.00551178	.00505491
135 LUMBER YARDS	.00334944	0.	0.	.00112655	.00105234	.00059985	0.	0.
136 FARM EQ DEAL	.00032317	0.	.00000428	.00010911	.00010197	0.	0.	0.
137 HDW, HT, E, P, W	0.	.00041697	0.	.00001577	0.	.00114728	0.	0.
138 DEPT, VAR STO	.00009061	.00003383	.00005191	.00006115	.00003106	.00000284	0.	.00006604
139 FOOD STORES	.00037149	.00033376	.00019801	.00123674	.00170559	.00009835	0.	.00032195
140 AUTO DEAL, RP	.00692842	.00186450	.00043027	.00088089	.00029350	.00223583	0.	.00020363
141 GAS SER STAT	.00282996	.00041972	.00028685	.00068686	.00070605	.00005385	.00012401	.00015685
142 APPRL ACC ST	0.	.00002469	.00000589	.00001793	.00052488	.00000102	0.	0.
143 FURN, HM F, EQ	0.	.00001280	.00000535	.00003522	.00005073	.00000244	0.	0.
144 EAT, DRINK PL	.00277862	.00210956	.00112277	.00412140	.00417210	.00035642	0.	.00154647
145 OTHER RETAIL	.01250982	.00094185	.00088891	.00280471	.00096745	.00027371	.00022900	.00090807
146 BANK, CRD AGE	.01392027	.01034664	.00604200	.03273485	.02337621	.00127509	.00231097	.05009232
147 INSURANCE CA	.01765328	.01530827	.01439966	.01260641	.00560180	.00272575	.00623404	.01055835
148 F.I.R.E. NEC	.03095137	.04181724	.04077040	.05033145	.05751861	.05378031	.00339257	.02544516
149 LEGAL SERVIC	.00189671	.00347479	.00382535	.00694816	.00208709	.00065208	.00821062	.00432295
150 LODGING SERV	.00144971	.00169442	.00134487	.00394337	.00172992	.00032167	0.	.00147492

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 161 *	* SECTOR 162 *	* SECTOR 163 *	* SECTOR 164 *	* SECTOR 165 *	* SECTOR 166 *	* SECTOR 167 *	* SECTOR 168 *
151 PERSONAL SER	.00320145	.00163864	.00153217	.00443815	.01539175	.00048972	.00112003	.00106492
152 ADVERTISING	.00049230	.00023683	.00009847	.00068946	.00015477	.00005121	.00109784	.00034121
153 DUPL, ADDRESS	.00035035	.00037583	.00030772	.00123458	.00028625	.00009693	.00009033	.00034672
154 PRI EMPL AGE	.00029598	.00031913	.00018356	.00103365	.00025571	.00008209	0.	.00029443
155 PHOTO SERVIC	.00154032	.00149873	.00085252	.00580907	.00114138	.00039096	0.	.00140338
156 RESRCH,DEVEL	0.	0.	0.	.00001102	.00003623	0.	0.	0.
157 OTHER BUS SE	.00653579	.00219460	.01109930	.01525621	.00992350	.00230289	.00617302	.00200050
158 MTN PCT,AM,R	.00038659	.00045904	.00022744	.00148219	.00023449	.00011826	.00280343	.00040450
159 AUTO RENT SE	.00277862	.00173282	.00046987	.00135428	.00063358	.00011298	.00675978	.00046779
160 AUTO PARKING	0.	.00001280	.00000749	.00003457	.00001398	.00000284	0.	0.
161 ELEC REP SHP	.00418303	.00143838	.00196084	.00117819	.00043533	.00008067	0.	.00021739
162 MISC REP SER	.00192993	.00162126	.00131864	.00261544	.00548326	.00021763	0.	.00133734
163 PHYS,DENT SE	.00022350	.00026610	.00062935	.00171619	.00029350	.00006909	0.	.00023390
164 HOSP,LAB SER	.00112957	.00133596	.01383720	.04897544	.00080699	.00034666	0.	.00117223
165 OTH MED SERV	.00004228	.00004938	.00013968	.00033900	.00002485	.00001260	0.	.00004403
166 ED(PUB,PRI)	.00351555	.00262804	.00271221	.00682932	.00256538	.00052020	0.	.00177486
167 COLL,UNIV	.00088493	.00103695	.00127155	.00242639	.00109013	.00018715	0.	.00064115
168 OTH ED SERV	.00002416	.00002835	.00001391	.00009053	.00001398	.00000732	0.	.00002477
169 ENG,ARCH SER	.00190879	.00206476	.00117469	.00667700	.00157256	.00074413	.03521250	.00190694
170 COMPU,ACCT SERV	.00564180	.00467725	.01167674	.01214663	.00412862	.00094408	0.	.00342589
171 OTH PROF SER	.00003926	.00004206	.00002408	.00013590	.00003209	.00001077	.00008241	.00003852
172 OTHER SERVIC	.00558140	.00594646	.00757257	.01376624	.00491283	.00107799	.00275787	.00386342
173 ORD,ORD ACCS	0.	0.	0.	0.	0.	0.	0.	0.
174 OUTDOOR REC	.00016913	.00054682	.00006529	.00040728	.00025726	.00003089	0.	.00080625
175 SCRAP	0.	0.	0.	0.	0.	0.	0.	0.
176 HOUSEHOLDS	.38996376	.53690682	.64212297	.39994802	.34412714	.65530035	.53511127	.58418476
177 PROP PAY	.03107520	.05802530	.00154769	.02355022	.07786202	0.	0.	.00631520
178 FEDERAL GOVT	.03519783	.02978533	.02670790	.02119967	.03480549	.02411401	.01229018	.01777061
179 STATE GOVT	.00104198	.00271948	.00187040	.00082601	.00141883	0.	0.	.01376961
180 LOCAL GOVT	.00994564	.00159017	.00101146	.00191648	.00416434	0.	.00090331	.00478799
181 DEPRECIATION	.00994262	.00694043	.01149532	.02099873	.01973830	.00213748	.01170779	.00524203
182 IMPORTS	.24093325	.17064774	.12076297	.12212120	.24932669	.08960913	.21774991	.18098066
TOTAL DIRECT REQ	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 169 *	* SECTOR 170 *	* SECTOR 171 *	* SECTOR 172 *	* SECTOR 173 *	* SECTOR 174 *	* SECTOR 175 *	HOUSEHOLDS*
1 IRR COTTON	0.	0.	0.	0.	0.	0.	0.	0.
2 IRR FOOD GRAIN	0.	0.	0.	0.	0.	0.	0.	0.
3 IRR FEED GRAIN	0.	0.	0.	0.	0.	0.	0.	0.
4 OTHER IRR CROP	0.	0.	0.	0.	0.	0.	0.	0.00096819
5 DRYLAND COTTON	0.	0.	0.	0.	0.	0.	0.	0.
6 DRY FOOD GRAIN	0.	0.	0.	0.	0.	0.	0.	0.
7 DRY FEED GRAIN	0.	0.	0.	0.	0.	0.	0.	0.
8 OTHER DRY CROP	0.	0.	0.	0.	0.	0.	0.	0.00137953
9 RANGE LIVESTOCK	0.	0.	0.	0.	0.	0.	0.	0.00020598
10 FEEDLOT LVSTK	0.	0.	0.	0.	0.	0.	0.	0.
11 DAIRY	0.	0.	0.	0.0001804	0.	0.	0.	0.00013887
12 POULTRY,EGGS	0.	0.	0.	0.	0.	0.	0.	0.00089777
13 AG SUP EX FMC	0.	0.	0.	0.	0.	0.	0.	0.
14 COTTON GINNING	0.	0.	0.	0.	0.	0.	0.	0.
15 AGRY SERVICES	0.	0.	0.	0.	0.	0.	0.	0.
16 PRIM FORESTRY	0.	0.	0.	0.	0.	0.	0.	0.
17 FISHERIES	0.	0.	0.	0.	0.	0.	0.	0.
18 CRUDE PETRO	0.	0.	0.	0.	0.00019121	0.	0.	0.0011855
19 NATRL GAS LQDS.	0.	0.	0.	0.	0.	0.	0.	0.
20 OIL,GAS FLDSV	0.	0.	0.	0.	0.	0.	0.	0.00080283
21 LIGNITE,OTH MINE	0.	0.	0.	0.00000129	0.	0.	0.	0.
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	0.	0.	0.	0.	0.	0.	0.	0.
24 INDUS CONS	0.	0.	0.	0.	0.	0.	0.	0.
25 FACILITY CONS	0.	0.	0.	0.	0.	0.	0.	0.
26 MAINTEN,REPR	0.02644619	0.00263739	0.00056756	0.1148203	0.00208480	0.00934718	0.01383347	0.00361382
27 MEAT PRODUCTS	0.0244403	0.0011012	0.	0.0220424	0.00040092	0.	0.	0.2157214
28 POULTRY PROD	0.0004933	0.	0.	0.0005258	0.	0.	0.	0.0214628
29 DAIRIES	0.0168440	0.00007557	0.	0.0126836	0.	0.	0.	0.0643272
30 OTH GRAIN MIL	0.0003930	0.	0.	0.0009408	0.	0.	0.	0.0017751
31 ANIMAL FEEDS	0.0000502	0.	0.	0.0000361	0.	0.00061244	0.	0.0051394
32 BAKERY PROD	0.0105144	0.00004750	0.	0.00080004	0.	0.	0.	0.0415934
33 CNND,PSVP,PCK	0.0199920	0.0009014	0.	0.0182174	0.	0.00013094	0.	0.0232886
34 OTH FOOD PROD	0.0043228	0.0001943	0.	0.0138925	0.	0.	0.	0.1091192
35 BEVERAGES	0.0045360	0.0026719	0.00023370	0.0064462	0.	0.0029144	0.	0.1405922
36 TEXTILE MILL	0.0012877	0.0001943	0.	0.0011083	0.	0.0014783	0.	0.0009717
37 MBWMC FURN	0.0066891	0.0003023	0.	0.0082092	0.00101156	0.0189647	0.	0.0476357
38 RELATED APRRL	0.0006480	0.	0.	0.0026805	0.	0.0005069	0.	0.0080720
39 LOGGING	0.	0.	0.	0.	0.	0.	0.	0.
40 LUMBER MILLS	0.0002341	0.	0.	0.0002294	0.	0.00033790	0.	0.00006410
41 MILLWORK,WOOD	0.0013796	0.00000594	0.	0.0017037	0.	0.0002112	0.	0.0034289
42 WOOD FURN,FIX	0.0059658	0.00035086	0.00093480	0.0160859	0.00033924	0.0016050	0.	0.0061241
43 MET FURN,FIXT	0.0050419	0.0029958	0.0083464	0.0071086	0.	0.0178243	0.	0.0019829
44 PAPER,PAP MIL	0.0030268	0.0018299	0.0046740	0.0040749	0.	0.0054064	0.	0.0008383
45 PAP EX BOX,CT	0.0118648	0.0018648	0.0186960	0.0197330	0.0075867	0.0070114	0.	0.0029318
46 BOXES,PAP CNT	0.0008152	0.0004804	0.	0.0012011	0.2527047	0.	0.	0.0016570
47 NEWSPAPERS	0.0141642	0.0005722	0.0106834	0.0147559	0.	0.	0.	0.0227044
48 PUBLISHING	0.0073998	0.0104502	0.0123527	0.0239419	0.00035775	0.0007603	0.	0.0012384
49 PRINTING	0.0475846	0.0306814	0.1976430	0.2053584	0.	0.0469259	0.00035021	0.0018643
50 MANFLD BUS FM	0.00054683	0.00042319	0.00086803	0.0060106	0.00061680	0.0005491	0.00018041	0.0024951

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 169 *	* SECTOR 170 *	* SECTOR 171 *	* SECTOR 172 *	* SECTOR 173 *	* SECTOR 174 *	* SECTOR 175 *	HOUSEHOLDS*
51 OTH PRNT,PUBS	.00054558	.00026611	.00337195	.00046884	.00024672	.00013516	0.	.00009507
52 CHLOR,ALKALIE	.00079015	.00050038	.00123527	.00130084	0.	0.	0.	.00016612
53 CYCCRD INT,IG	.00001212	.00000756	0.	.00001830	0.	0.	0.	0.
54 ORG CHEM	.00134116	.00027961	.00070110	.00067632	0.	.00002112	.00259477	.00049820
55 INORG CHEM	.00045946	.00027313	.00073448	.00064204	0.	.00151211	0.	.00046101
56 FIBERS,PLASTI	.00005393	.00003185	0.	.00012990	0.	.00032945	0.	.00005773
57 SYN RUBBER	0.	0.	0.	0.	0.	0.	0.	0.
58 DRUGS	.00103514	.00004642	0.	.00080210	0.	.00008025	0.	.00012018
59 AGRI CHEMICAL	.00013838	.00000594	0.	.00017424	0.	.00036747	0.	.00090016
60 SPS,CLNS,TOIL	.00020360	.00002807	0.	.00020078	.00012953	.00063356	0.	.00101365
61 PAINT+VARNISH	.00035327	.00000324	0.	.00005490	0.	.00037169	0.	.00073377
62 OTH CHEMICALS	.00010159	.00000540	0.	.01774549	.00078334	.00008025	0.	.00000420
63 PETRO REFING	.00806455	.00080104	.00113511	.01388937	.00495294	.01923499	.01017214	.03471714
64 OTH PETRO PRD	0.	0.	0.	0.	0.	.00009292	0.	.00002768
65 TIRES	.00002467	0.	0.	.00003505	.00885731	.00092078	.00007429	.00034321
66 FAB RUBBER PR	.00017224	.00001997	0.	.00013222	0.	0.	0.	.00006949
67 PLASTIC PRODS	.00226970	.00031469	.00083464	.05023528	.02085415	0.	0.	.00189464
68 LEATHER,L PRD	.00010703	.00011605	.00026709	.00015387	0.	.00010982	0.	.00028498
69 GLASS	.00001254	.00000756	0.	.00001727	0.	.00004224	0.	.00016156
70 CLAY	.00002634	.00001565	0.	.00003943	0.	.00071804	0.	.00025143
71 CUT ST,CL,SH	.00014047	.00008151	.00023370	.00021264	0.	.00014783	0.	.00019471
72 CEMENT,CONCRT	.00122620	.00001242	0.	.00003892	0.	.00071804	0.	.00005793
73 BLAST FURNACE	.00002550	.00001511	0.	.00003505	.00939393	.00005069	.00009551	.00005901
74 PRI STEEL,IRO	.01385773	.00000864	0.	.00002062	0.	.00014783	0.	0.
75 FOUNDRIES	.00003972	.00002375	0.	.00006882	.00053045	0.	0.	.00015307
76 NONFER SMELTG	.00000502	0.	0.	.00000335	.00024672	0.	0.	.00009401
77 AL SMLT ROL DR	.00106357	.00003509	0.	.00009691	.01751724	0.	0.	.00017240
78 CAST,FORGINGS	.00001798	.00001673	0.	.00003093	.00366382	0.	0.	.00003006
79 FABRI STEEL	.00001171	.00000702	0.	.00002036	0.	.00002534	0.	0.
80 PLATE WORK	.00005226	.00003131	0.	.00007449	.00063531	.00008448	0.	0.
81 SH MET,ARCH	.00231359	.00035356	.00153574	.00085339	0.	.00012671	0.	.00035932
82 METAL DOORS	.00004181	.00002483	0.	.00006521	0.	0.	0.	.00012010
83 FAB MET PRD	.00087920	.00060510	.00140220	.00122867	.00023439	.00125446	0.	.00027572
84 PLUMBING	.00012333	.00007341	.00020031	.00019846	0.	.00034635	.00005306	.00009529
85 BOLTS,NUTS,SC	.00005769	.00003455	0.	.00007990	0.	.00006336	0.	.00016568
86 ELCTPLT,CT,EN	.00009281	.00005506	0.	.00012861	.00368849	0.	0.	.00000301
87 VALVE,PIPE FT	.06508745	.00005992	0.	.00015748	.00515032	.00017317	.00005837	0.
88 OTH FAB MET P	.00001003	.00000594	0.	.03043402	0.	0.	0.	.00001555
89 FM,CONS,IND M	.00004306	0.	0.	.00003222	0.	.00443917	.01711275	.00009149
90 MTL HDL MC,EQ	.00001338	0.	0.	.00001005	.00022205	0.	0.	0.
91 MIN MACH,EQUP	.00012584	.00007881	0.	.00009382	.00025289	0.	0.	0.
92 ENGINES	0.	0.	0.	.00000129	0.	0.	.00093921	0.
93 METAL WK MACH	.00002550	0.	0.	.00001882	.00618038	.00010559	0.	.00007028
94 IND PROC MACH	.00001840	0.	0.	.00001392	0.	.00019429	.00262661	0.
95 GEN IND MACH	.00000711	0.	0.	.00000541	.00187508	0.	0.	0.
96 REFRIG MACH	.00041556	.00001889	0.	.00044229	0.	0.	0.	0.
97 COMPU,ACCT MACH	.00032986	.00019216	.01078356	.00045234	.01186731	.00014361	0.	0.
98 ELEC INST,AP	.00057025	.00020458	.00046740	.00044409	.00644560	.00038014	0.	.00001191
99 ELEC HSLO EQ	.00016137	.00009554	.00026709	.00029924	.00136314	0.	0.	.00004759
100 ELEC COMM EQ	.00114007	.00067689	.00180282	.00162740	.05300815	.00043505	0.	.00031344

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 169 *	* SECTOR 170 *	* SECTOR 171 *	* SECTOR 172 *	* SECTOR 173 *	* SECTOR 174 *	* SECTOR 175 *	HOUSEHOLDS*
101 OTH ELEC APP	.00025586	.00015222	.00040063	.00038378	0.	.00786464	0.	.00011089
102 AIRCRAFT	0.	0.	0.	0.	0.	0.	0.	0.
103 AIRCRAFT ENG	0.	0.	0.	0.	.01575318	0.	0.	0.
104 OTH AIRCRAFT	.00000962	0.	0.	.00000696	0.	0.	0.	0.
105 MOTOR VHCL,P	.00127051	.00005776	0.	.00112609	.00050578	.04475916	.00022286	.00545674
106 SHIP,BT BLDG	.00000502	0.	0.	.00000361	0.	.00197672	0.	.00028341
107 OTH TRANS EQ	.00027969	.00001242	0.	.00191840	.00788276	0.	0.	.00178795
108 SCIENTIF INS	.00019398	.00011551	.00030047	.00026986	0.	.00009715	0.	0.
109 MECH MSRG DV	.00001421	.00000864	0.	.00002732	.02358043	0.	0.	0.
110 MEDICAL INST	.00242522	.00144015	.00380596	.00335945	0.	0.	0.	.00024002
111 PHO,TH,OPT I	.00348293	.00874398	.00193637	.00171967	.00923356	.00021541	0.	.00001684
112 GAMES,TOYS	.00012835	.00007611	.00020031	.00022939	0.	.00035902	0.	.00016404
113 OTH MFG IND	.00158866	.00088417	.00273762	.00297567	0.	.00027454	0.	.00026141
114 RAIL TRANS	.00017141	.00067635	0.	.00059616	.00431763	.00162192	.03154583	.00122748
115 INTERCTY HGY	.00002007	.00008421	0.	.00008093	0.	0.	0.	.00111848
116 MOTOR FRT STR	.00075754	.01385899	.00046740	.00340842	.00186275	.00334944	.10196014	.00111465
117 WATER TRANS	0.	0.	0.	0.	0.	0.	0.	.00048363
118 AIR TRANS	.00669495	.00913695	.00944814	.00871256	.00037008	.00073071	.00488178	.00706536
119 PIPELINE TRN	0.	0.	0.	0.	0.	0.	0.	0.
120 LOC,SUB TRAN	.00003094	.00012955	0.	.00012062	0.	.00004646	0.	.00108269
121 OTH TRAN SER	.00002299	.00005290	0.	.00004923	0.	0.	0.	.00007416
122 TELEP,TELEGR	.00851397	.01283232	.01121757	.00929789	.00766688	.00029144	.00409114	.00477365
123 RADIO , TV	.00060620	.00103369	.00053417	.00164132	0.	0.	.00110371	.00000654
124 OTH COMMUNIC	.00018980	.00032711	0.	.00034332	0.	0.	0.	.00026889
125 GAS SERVICES	.00065553	.00243875	.00050078	.00474689	.00081418	.00060400	.00150168	.00838060
126 ELEC SERVICES	.00323042	.01206852	.00340534	.02307901	.00476173	.00240332	.01899648	.01226780
127 WATER,SANI SERV	.00076507	.00298070	.00110173	.00458760	.00091287	.00210343	.00069512	.00381934
128 WHL AUT PT,S	.00009825	.00034978	0.	.00292721	0.	.02160030	.00074819	.01631955
129 WHL GRO,RELP	.00049625	.00209707	0.	.00196427	0.	0.	0.	.01191487
130 WHL FM PROD	0.	.00000324	0.	.00006521	0.	0.	0.	.00011464
131 WHL LIVESTOC	0.	0.	0.	0.	0.	0.	0.	.00006182
132 WHL MAC,EQ,S	.00934760	.01033095	.00153574	.00707278	0.	.00032945	.00118330	.00147222
133 WHL PET,PETP	.00101925	.00189357	.00043401	.00540466	.00102389	.00266519	.01219383	.00845229
134 GEN WHL	.02452893	.01032610	.00323841	.03213282	.03974686	.00369156	.00207475	.03287195
135 LUMBER YARDS	0.	0.	0.	.00005155	0.	0.	0.	.00014555
136 FARM EQ DEAL	0.	0.	.00040063	.00006057	0.	0.	0.	.00184755
137 HDW,HT,E,P,W	0.	.00000864	0.	.00000851	0.	0.	0.	.00074827
138 DEPT,VAR STO	.00000418	.00003563	.00023370	.00015310	0.	0.	0.	.01933717
139 FOOD STORES	.00014340	.00060672	0.	.00155498	0.	0.	0.	.02347516
140 AUTO DEAL,RP	.00375551	.00042265	0.	.00197227	.00151734	.00960060	.00709980	.01505154
141 GAS SER STAT	.00013880	.00030066	0.	.00184442	0.	.00085320	.00165556	.00259521
142 APPRL ACC ST	.00000502	.00000864	0.	.00000902	0.	0.	0.	.01105346
143 FURN,HM F,EQ	.00000376	.00001727	0.	.00003712	0.	0.	0.	.00700264
144 EAT,DRINK PL	.00289387	.00292078	.00440690	.00606036	0.	.00003801	0.	.02447587
145 OTHER RETAIL	.00061498	.00224605	.00450706	.00322491	.00550806	0.	0.	.01715711
146 BANK,CRD AGE	.01171136	.01586969	.00223684	.02281946	.00369466	.00749295	.03224625	.04365377
147 INSURANCE CA	.00409624	.00795266	.00617634	.01410355	.00412642	.01102823	.00863331	.01039622
148 F.I.R.E. NEC	.01711699	.06022224	.03962875	.02789884	.02517795	0.	.02919514	.01781921
149 LEGAL SERVIC	.00189260	.00370509	.00647681	.00738981	0.	0.	.00125228	.00208795
150 LODGING SERV	.00235164	.00428212	.00420659	.00435718	0.	.00002957	.00246742	.00563493

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 169 *	* SECTOR 170 *	* SECTOR 171 *	* SECTOR 172 *	* SECTOR 173 *	* SECTOR 174 *	* SECTOR 175 *	HOUSEHOLDS*
151 PERSONAL SER	.00046238	.00192541	0.	.00256534	.00215881	0.	.00010613	.00994090
152 ADVERTISING	.00020778	.00042859	.00030047	.00045080	.00031457	0.	.00015919	.00000663
153 DUPL, ADDRESS	.00023872	.00071306	.00026709	.00071395	0.	0.	0.	.00022463
154 PRI EMPL AGE	.00013671	.00604830	0.	.00054384	0.	0.	0.	.00045846
155 PHOTO SERVIC	.00064257	.00270702	0.	.00355482	0.	0.	0.	.00198952
156 RESRCH, DEVEL	0.	.00000594	0.	.00000567	0.	0.	0.	0.
157 OTHER BUS SE	.01576370	.01427732	.00090141	.00873086	0.	.00977800	.00143800	.00018844
158 MTN PCT, AM, R	.00019691	.00082047	.00110173	.00076576	0.	0.	0.	.00693688
159 AUTO RENT SE	.00090010	.00103261	.00133543	.00098124	0.	.00002957	0.	.00041670
160 AUTO PARKING	.00002383	.00002051	0.	.00003376	0.	0.	0.	.00056557
161 ELEC REP SHP	.00008905	.00037137	0.	.00076164	0.	0.	0.	.00097291
162 MISC REP SER	.00514183	.00437280	0.	.00394118	0.	0.	.00783207	.00199924
163 PHYS, DENT SE	.00012375	.00047609	0.	.00046832	0.	0.	0.	.01472479
164 HOSP, LAB SER	.00062041	.00238693	0.	.00234832	0.	0.	0.	.03263208
165 OTH MED SERV	.00002258	.00008691	0.	.00008557	0.	0.	0.	.01544247
166 ED (PUB, PRI)	.00209536	.00491367	.00213668	.00337079	.00049344	0.	0.	.01248012
167 COLL, UNIV	.00076214	.00193783	.00133543	.00121269	.00014186	0.	0.	.00896107
168 OTH ED SERV	.00001171	.00005020	0.	.00004665	0.	0.	0.	.00271576
169 ENG, ARCH SER	.00637346	.00373046	0.	.00497525	0.	0.	0.	.00026529
170 COMPU, ACCT SERV	.00191350	.00776427	.01001569	.00993066	.00526751	.00980334	.00262661	.00163154
171 OTH PROF SER	.00001798	.00007611	0.	.00008506	0.	0.	0.	.00004138
172 OTHER SERVIC	.00250549	.01069423	.00063433	.01778750	0.	0.	.00333765	.01499205
173 ORD, ORD ACCS	0.	0.	0.	0.	.00460753	0.	0.	.00000828
174 OUTDOOR REC	.00005100	.00024830	0.	.00019898	0.	0.	.00079594	.00092722
175 SCRAP	0.	0.	0.	0.	.00688970	0.	0.	0.
176 HOUSEHOLDS	.47850897	.47706722	.58261276	.32283727	.36689982	.60416631	.39312625	.05444566
177 PROP PAY	.01911912	.13279531	.07889026	.00804422	.01969456	0.	.04428620	.00551071
178 FEDERAL GOVT	.03411065	.00738049	.05228191	.01238980	.00326906	.02147781	.02129410	.14088317
179 STATE GOVT	.00095863	.00084800	.00227022	.00109567	.00014803	0.	.00845290	.00835562
180 LOCAL GOVT	.00167896	.00209113	.00140220	.00252461	.00033924	0.	.00449972	.00323951
181 DEPRECIATION	.01158719	.01772170	.01939706	.01046728	.02306848	0.	.01883198	0.
182 IMPORTS	.15481003	.09137704	.08276300	.19438075	.21911970	.17638835	.18137390	.20053304
TOTAL DIRECT REQ	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* FED GOV DEF*	FED NON DEF*	STATE GOVT *	LOCAL GOVT *	*CAPITAL FORM*	EXPORTS *
1 IRR COTTON	0.	.00398027	0.	0.	0.	.00479065
2 IRR FOOD GRAIN	0.	.00105328	0.	0.	0.	.00091093
3 IRR FEED GRAIN	0.	.00182298	0.	0.	0.	.00105960
4 OTHER IRR CROP	0.	.00041140	.00000434	.00001675	0.	.00080475
5 DRYLAND COTTON	0.	.00421412	0.	0.	0.	.00610501
6 DRY FOOD GRAIN	0.	.00132639	0.	0.	0.	.00114860
7 DRY FEED GRAIN	0.	.00260972	.00000167	.00000773	0.	.00188943
8 OTHER DRY CROP	0.	.00068126	.00000334	.00001074	0.	.00082541
9 RANGE LVESTOCK	0.	.00024072	0.	0.	0.	.00132016
10 FEEDLOT LVSTK	0.	.00011665	0.	0.	0.	.01298565
11 DAIRY	0.	0.	0.	0.	0.	.00002474
12 POULTRY,EGGS	0.	0.	0.	0.	0.	.00012455
13 AG SUP EX FMC	0.	0.	0.	0.	0.	0.
14 COTTON GINNING	0.	0.	0.	0.	0.	.00013322
15 AGRI SERVICES	0.	0.	0.	0.	0.	.00019784
16 PRIM FORESTRY	0.	0.	.00105458	0.	0.	0.
17 FISHERIES	0.	0.	0.	0.	0.	.00027964
18 CRUDE PETRO	0.	0.	0.	0.	0.	.07677448
19 NATRL GAS LQDS.	.00001059	.00000031	0.	0.	0.	.01478115
20 OIL,GAS FLDSV	0.	0.	0.	0.	0.	.01471028
21 LIGNITE,OTH MINE	.00000191	.00000061	.00445059	.00001632	0.	.00045197
22 RES CONSTRUCT	0.	0.	0.	0.	.25425538	0.
23 COMM,ED,INST	0.	0.	0.	0.	.15868662	0.
24 INDUS CONS	0.	0.	0.	0.	.06671757	0.
25 FACILITY CONS	.01009396	0.	0.	0.	.26020472	0.
26 MAINTEN,REPR	.00146129	.00135521	.00328087	.00394862	0.	0.
27 MEAT PRODUCTS	.00217006	0.	.00113067	.00112339	0.	.01313161
28 POULTRY PROD	.00155385	0.	.00081463	.00078371	0.	.00146165
29 DAIRIES	.00344981	.00010402	.00104624	.00000172	0.	.00145275
30 OTH GRAIN MIL	0.	.00485950	0.	.00000258	0.	.00809068
31 ANIMAL FEEDS	.00000053	0.	.00019256	.00000344	0.	.00362044
32 BAKERY PROD	.00046814	0.	.00048424	.00000945	0.	.00232905
33 CNND,PSVP,PCK	.00005264	.00012419	.00272622	.00002276	0.	.00508411
34 OTH FOOD PROD	.00021575	.00108818	.00168466	.00008546	0.	.01302646
35 BEVERAGES	.00009564	.00000466	.00003170	.00025723	0.	.00482197
36 TEXTILE MILL	.00000561	0.	.00056367	.00004123	0.	.00164310
37 MBWMC FURN	.00138302	.00023949	.00047556	.00293258	0.	.01325172
38 RELATED APPRL	0.	0.	.00016453	.00009319	0.	.00215252
39 LOGGING	0.	0.	0.	0.	0.	0.
40 LUMBER MILLS	.00000138	0.	.00018722	.00007773	0.	.00023116
41 MILLWORK,WOOD	.00141691	.00118355	.00058736	.00021128	.00020158	.00837668
42 WOOD FURN,FIX	.00096434	.00011039	.00047056	.00776196	.00180855	.00263151
43 MET FURN,FIXT	.00001504	.00013628	.00226434	.00107658	.00060482	.00021094
44 PAPER,PAP MIL	.00000413	0.	.00028167	.00003435	0.	.00319701
45 PAP EX BOX,CNT	.00065582	.00038718	.00067113	.00080218	0.	.00246581
46 BOXES,PAP CNT	.00047555	.00024961	.00006675	.00007730	0.	.00102382
47 NEWSPAPERS	.00000095	.00000215	0.	.00010650	0.	.00108910
48 PUBLISHING	.00000222	.00000061	.00006341	.00007386	0.	.00086681
49 PRINTING	0.	.00000067	.00063909	.00059949	0.	.00267540
50 MANFLD BUS FM	.00145366	.00160403	.00344807	.00335128	0.	.00091121

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* FED GOV DEF*	FED NON DEF*	STATE GOVT *	LOCAL GOVT *	CAPITAL FORM*	EXPORTS *
51 OTH PRNT,PUBS	.00000551	.00003324	.00018021	.00018079	0.	.00045518
52 CHLOR,ALKALIE	.00022199	.00031131	.00000067	.00074979	0.	.00328273
53 CYCCRD INT,IG	0.	0.	.00000167	.00000558	0.	.01071809
54 ORG CHEM	.00020801	.00252030	.00007142	.00009748	0.	.08305881
55 INORG CHEM	.00000307	0.	.00049892	.00072058	0.	.00207219
56 FIBERS,PLASTI	.00000201	0.	.00142668	.00001546	0.	.02301982
57 SYN RUBBER	0.	0.	0.	0.	0.	.00858631
58 DRUGS	.00001748	.00001043	.00200036	.00012496	0.	.00139371
59 AGRI CHEMICAL	.00007583	.00000245	.00349846	.00164987	0.	.00439618
60 SPS,CLNS,TOIL	.00015739	.00002153	.00060004	.00028171	0.	.00260148
61 PAINT+VARNISH	.00039315	.00004735	.00233676	.00070212	0.	.00311466
62 OTH CHEMICALS	.00337525	.00000061	.00017287	.00001417	0.	.00399313
63 PETRO REFING	.05196172	.02424149	.00718281	.02301105	0.	.20818555
64 OTH PETRO PRO	.00000678	0.	.00107327	.00091555	0.	.00017756
65 TIRES	.00194923	.00000025	.00000234	.00014558	0.	.00134912
66 FAB RUBBER PR	0.	0.	.00051361	.00004380	.00002370	.00113696
67 PLASTIC PRODS	.00191661	.00030328	.00685476	.00004466	0.	.00440473
68 LEATHER,L PRO	.00012572	.00001447	.00041950	.00002104	0.	.00076968
69 GLASS	0.	.00028494	.00011180	0.	0.	.00056489
70 CLAY	.00000275	.00000061	.00000434	.00005969	0.	.00075186
71 CUT ST,CL,SH	.00003898	.00011591	.00267749	.00221286	0.	.00249726
72 CEMENT,CONCRT	.00022676	.00007335	.00077291	.00052262	0.	.00121796
73 BLAST FURNACE	.00667032	.00000092	.00001302	.00068924	.00377762	.00094727
74 PRI STEEL,IRO	.00007096	.00004581	.00016186	.00000730	0.	.00002874
75 FOUNDRIES	.00016819	0.	.00000267	.00004981	0.	.00135835
76 NONFER SMELTG	0.	0.	0.	.00014300	0.	.01403556
77 AL SMLT ROL DR	.00006016	.00235937	.00001769	.00000258	0.	.00350697
78 CAST,FORGINGS	.00000032	0.	.00000067	.00004896	0.	.00040611
79 FABRI STEEL	.00034242	.00003790	.00018622	.00044661	.00035859	.00070039
80 PLATE WORK	.00003135	.00000215	.00013049	.00074592	.01148470	.00300869
81 SH MET,ARCH	0.	.00009709	.00003871	.00003435	.000065154	.00090874
82 METAL DOORS	0.	0.	0.	.00001889	0.	.00020526
83 FAB MET PROD	.00002341	.00001441	.00084300	.00027183	.00025194	.00101572
84 PLUMBING	.00002341	.00000380	.00026298	.00008932	0.	.00041951
85 BOLTS,NUTS,SC	.00063665	.00004134	.00002102	.00002577	0.	.00206237
86 ELCTPLT,CT,EN	0.	0.	0.	.00000172	.00238070	.00032032
87 VALVE,PIPE FT	.00012233	.00001785	.00001969	.00031220	.00178519	.00267724
88 OTH FAB MET P	.00033903	.00009476	.00009778	.00001761	.00039440	.00009646
89 FM,CONS,IND M	.00006959	.00041852	.00198501	.00078672	.00494886	.00394307
90 MTL HOL MC,EQ	0.	0.	.00002369	.00001374	.00259170	.00083787
91 MIN MACH,EQUP	.00407374	.00007372	0.	.00099241	.04242623	.02045218
92 ENGINES	.00026033	.00083366	.00000234	.00003607	.00042359	.00122872
93 METAL WK MACH	.00087040	0.	.00009444	.00007214	.00100210	.00095687
94 IND PROC MACH	.00000191	.00001895	.00110764	.00000429	.00450583	.00076598
95 GEN IND MACH	.00015209	.00001073	.00044286	.00003564	.00217473	.00246929
96 REFRIG MACH	.00004480	.00000595	.00057835	.00053894	.00779307	.00685861
97 COMPU,ACCT MACH	.01346307	.00119919	.00709838	.00103879	.01661335	.01181631
98 ELEC INST,AP	.00152558	.00002705	.00049859	.00012411	.00175213	.00101301
99 ELEC HSLD EQ	.00002086	.00000656	.00026064	.00053507	0.	.00077939
100 ELEC COMM EQ	.00211138	.00019804	.00301556	.00464172	0.	.03538897

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* FED GOV DEF*	FED NON DEF*	STATE GOVT *	LOCAL GOVT *	*CAPITAL FORM*	EXPORTS *
101 OTH ELEC APP	.00051972	.00002797	.00219893	.00219053	.00024956	.00176843
102 AIRCRAFT	.15348875	.00539859	0.	0.	.00780992	.00135949
103 AIRCRAFT ENG	0.	.00043685	0.	0.	0.	.00011007
104 OTH AIRCRAFT	.00125952	0.	.00000667	0.	0.	.00056468
105 MOTOR VHCL,P	.00095883	.00040883	.00069549	.00131535	.00065036	.00808288
106 SHIP,BT BLDG	.00221888	0.	.00000033	0.	.00183414	.00208799
107 OTH TRANS EQ	.00044452	0.	0.	.00001632	.000845620	.00138929
108 SCIENTIF INS	.00004565	.00002686	.00006040	.00000344	.00019368	.00028920
109 MECH MSRG DV	.00099929	.00039546	.00000734	.00001804	.00159088	.00117694
110 MEDICAL INST	.00016914	.00037828	.00318943	.00317221	.00003215	.00179600
111 PHO,TH,OPT I	.00003252	.00000497	.00026531	.00002147	0.	.00102801
112 GAMES,TOYS	.00004872	0.	.00010946	.00002920	0.	.00108202
113 OTH MFG IND	.00119280	.00017559	.00047523	.00016318	0.	.00138558
114 RAIL TRANS	.00105225	.00020656	.00000667	.00022674	.00076552	.00361286
115 INTERCTY HGY	.00016639	.00003177	0.	.00003049	0.	0.
116 MOTOR FRT STR	.00627208	.00059294	.00312569	.00291412	.00208932	.00248586
117 WATER TRANS	0.	0.	0.	0.	.00009080	.00729772
118 AIR TRANS	.00707660	.00087708	.00003771	.00170484	.00014709	.00204149
119 PIPELINE TRN	0.	0.	0.	0.	0.	.00202542
120 LOC,SUB TRAN	0.	0.	.00000234	.00005540	0.	0.
121 OTH TRAN SER	0.	0.	0.	.00001932	.00006639	.00048016
122 TELEP,TELEGR	.00101338	.00060754	.00129586	.00374120	.00129126	0.
123 RADIO , TV	0.	0.	0.	.00037232	0.	.00085542
124 OTH COMMUNIC	0.	0.	0.	.00011981	0.	.00020916
125 GAS SERVICES	.00754802	.00020239	.00127617	.00146908	0.	.02460006
126 ELEC SERVICES	.00294640	.00620263	.00498155	.00733897	0.	0.
127 WATER,SANI SERV	.00553175	0.	.00093477	.00181563	0.	0.
128 WHL AUT PT,S	0.	0.	0.	.00069482	.00466914	.00757150
129 WHL GRO,RELP	0.	0.	0.	.00107444	0.	.00152688
130 WHL FM PROD	0.	0.	0.	.00000129	0.	.00835452
131 WHL LIVESTOC	0.	0.	0.	.00000043	0.	.00027064
132 WHL MAC,EQ,S	0.	0.	.00031704	.00319711	.07046000	.00793433
133 WHL PET,PETP	.02004547	.00119349	.00284669	.00496594	0.	.00796849
134 GEN WHL	.00023820	.00006403	.00040348	.00567579	.01259769	.01855652
135 LUMBER YARDS	0.	0.	0.	.00000472	.00008044	.00004936
136 FARM EQ DEAL	0.	0.	0.	0.	.00159591	.00018149
137 HDW,HT,E,P,M	0.	0.	0.	.00000601	.00009967	.00002923
138 DEPT,VAR STO	0.	0.	0.	.00002147	0.	.00088454
139 FOOD STORES	0.	0.	0.	.00022330	0.	.00021223
140 AUTO DEAL,RP	0.	0.	.00066212	.00115689	.00100254	.00134098
141 GAS SER STAT	0.	.00027568	.00065711	.00109591	0.	.00010934
142 APPRL ACC ST	0.	0.	0.	.00000344	0.	.00074986
143 FURN,HM F,EQ	0.	0.	0.	.00088076	.00025136	.00028333
144 EAT,DRINK PL	0.	0.	.00077158	.00086144	0.	.00288917
145 OTHER RETAIL	0.	0.	.00001735	.00061967	.00003312	.00035865
146 BANK,CRD AGE	0.	0.	.01074936	.00617178	0.	.01768127
147 INSURANCE CA	.00069098	.00001852	.00699493	.01889324	.00001114	.01042123
148 F.I.R.E. NEC	0.	0.	.02291172	.10319565	0.	.00172043
149 LEGAL SERVIC	.00056579	.00009071	.00057101	.00324091	0.	.00143372
150 LODGING SERV	.00108942	.00059159	.00129019	.00104824	0.	.00171793

APPENDIX TABLE 3. DIRECT REQUIREMENTS
(TEXAS, 1979)

	* FED 60V DEF*	FED NON DEF*	STATE GOVT *	LOCAL GOVT *	*CAPITAL FORM*	EXPORTS *
151 PERSONAL SER	.00026182	.00007016	.00000033	.00071672	0.	.00003410
152 ADVERTISING	.00000921	.00000141	.00022426	.00063169	0.	.00002865
153 DUPL, ADDRESS	.00003463	.00000117	.00035175	.00055311	0.	.00010428
154 PRI EMPL AGE	0.	0.	0.	.00020827	0.	.00015046
155 PHOTO SERVIC	.00000731	.00000209	.00001268	.00097953	0.	.00089931
156 RESRCH,DEVEL	.00125380	.00000466	.00002970	.00000215	0.	.00031786
157 OTHER BUS SE	.00092600	.00024826	.00156585	.00382537	0.	.00050346
158 MTN PCT,AM,R	0.	0.	0.	.00029931	0.	.00086000
159 AUTO RENT SE	0.	0.	0.	.00030833	0.	.00073684
160 AUTO PARKING	.00000635	.00000166	.00000968	.00000730	0.	.00000994
161 ELEC REP SHP	.00003262	.00000877	.00005440	.00029760	0.	.00009084
162 MISC REP SER	.00024678	.00006618	.00041683	.00047581	0.	.00035703
163 PHYS,DENT SE	0.	0.	0.	.00017392	0.	.00018543
164 HOSP,LAB SER	.00017243	.00004796	.00029134	.00087260	0.	.00292876
165 OTH MED SERV	0.	0.	0.	.00003178	0.	.00034915
166 ED(PUB,PRI)	0.	.02414030	0.	.00131835	0.	0.
167 COLL,UNIV	0.	.01053297	0.	.00048569	0.	0.
168 OTH ED SERV	0.	0.	0.	.00001804	0.	.00024890
169 ENG,ARCH SER	.06265346	.02790548	.00157519	.02255070	.00116222	.00313563
170 COMPU,ACCT SERV	.00076162	.00160838	.00164094	.00519955	0.	.00115847
171 OTH PROF SER	.00001049	.00000282	.00001769	.00008846	0.	.00003749
172 OTHER SERVIC	0.	0.	.00334428	.01733354	0.	.01158802
173 ORD,ORD ACCS	.01276383	.00000006	.00024629	.00025165	0.	.00033881
174 OUTDOOR REC	0.	0.	0.	.00007816	0.	0.
175 SCRAP	0.	0.	0.	0.	0.	.00036906
176 HOUSEHOLDS	.35256366	.58703186	.64948616	.51283311	0.	.09857369
177 PROP PAY	0.	0.	0.	0.	0.	0.
178 FEDERAL GOVT	.00982156	.00595639	.00962970	.01673792	0.	0.
179 STATE GOVT	0.	.10646521	0.	0.	0.	0.
180 LOCAL GOVT	0.	.01926712	0.	0.	0.	0.
181 DEPRECIATION	0.	0.	0.	0.	0.	0.
182 IMPORTS	.22513605	.13703205	.19014717	.16717697	.03495034	0.
TOTAL DIRECT REQ	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 1	* SECTOR 2	* SECTOR 3	* SECTOR 4	* SECTOR 5	* SECTOR 6	* SECTOR 7	* SECTOR 8
1 IRR COTTON	1.01738232	.00004944	.00004031	.00004937	.00003752	.00005551	.00004592	.00005061
2 IRR FOOD GRAIN	.00004568	1.03622291	.00005215	.00005308	.00004481	.00006559	.00005610	.00006307
3 IRR FEED GRAIN	.00004900	.00006885	1.01101112	.00007641	.00004555	.00006788	.02562246	.00006518
4 OTHER IRR CROP	.00011944	.00015793	.00014270	1.01525665	.00010505	.00015094	.00013092	.03426439
5 DRYLAND COTTON	.00001860	.00002398	.00002041	.00002299	1.02023828	.00002689	.00002258	.00002519
6 DRY FOOD GRAIN	.00003074	.00004216	.00003399	.00020848	.00002993	1.08302611	.00003735	.00004865
7 DRY FEED GRAIN	.00007272	.00010933	.00007408	.00075368	.00006804	.00010560	1.00008796	.00011477
8 OTHER DRY CROP	.00003928	.00005270	.00004524	.00004853	.00003505	.00005139	.00004428	1.01678108
9 RANGE LIVESTOCK	.00018923	.00025025	.00022140	.00022778	.00017125	.00024735	.00021353	.00025375
10 FEEDLOT LVSTK	.00025370	.00031931	.00030701	.00029245	.00023769	.00033491	.00029038	.00035372
11 DAIRY	.00013289	.00016393	.00016524	.00016678	.00011083	.00015557	.00013792	.00017673
12 POULTRY,EGGS	.00173013	.00335716	.00123441	.00243444	.00157349	.00279139	.00218876	.00184183
13 AG SUP EX FMC	.03275694	.04477931	.04129080	.03433018	.03521853	.06590595	.04561372	.06826335
14 COTTON GINNING	.11747426	.00001636	.00000999	.00001410	.12071348	.00001611	.00001308	.00001316
15 AGRY SERVICES	.04571504	.08975906	.03178643	.06461075	.04164134	.07429037	.05797945	.04820589
16 PRIM FORESTRY	.00042653	.00041855	.00044299	.00037687	.00033004	.00032612	.00031656	.00037060
17 FISHERIES	.00003262	.00004053	.00004031	.00004029	.00002783	.00003934	.00003487	.00004347
18 CRUDE PETRO	.04889576	.06333084	.08089615	.02871653	.01907713	.02803775	.02708048	.02001992
19 NATRL GAS LQDS.	.00114142	.00119586	.00135500	.00093329	.00015904	.00218655	.00198822	.00146551
20 OIL,GAS FLOSV	.00984499	.01255114	.01592006	.00600470	.00451243	.00678842	.00646972	.00482592
21 LIGNITE,OTH MINE	.00518983	.00630486	.00637437	.00472520	.00475513	.00612103	.00499485	.00669487
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00001102	.00000657	.00000698	.00000469	.00001061	.00000743	.00000868	.00000678
24 INDUS CONS	.00000007	.00000004	.00000005	.00000003	.00000007	.00000005	.00000006	.00000005
25 FACILITY CONS	.00004357	.00002596	.00002759	.00001854	.00004193	.00002939	.00003430	.00002682
26 MAINTEN,REPR	.02912048	.01734522	.01843696	.01238635	.02802325	.01964052	.02292641	.01791906
27 MEAT PRODUCTS	.00040268	.00052260	.00049797	.00051644	.00031293	.00044515	.00040338	.00050796
28 POULTRY PROD	.00006803	.00009439	.00007727	.00009274	.00005365	.00007996	.00006933	.00008470
29 DAIRIES	.00023350	.00028710	.00029751	.00030981	.00017321	.00023965	.00021727	.00029753
30 OTH GRAIN MIL	.00007294	.00010483	.00007756	.00008969	.00006767	.00010267	.00008673	.00009367
31 ANIMAL FEEDS	.00062376	.00118869	.00046094	.00087087	.00056688	.00099540	.00078404	.00067336
32 BAKERY PROD	.00008543	.00010682	.00010925	.00011098	.00006289	.00008730	.00007957	.00010663
33 CNND,PSVP,PCK	.00024534	.00030513	.00031216	.00032196	.00018276	.00025402	.00023115	.00031081
34 OTH FOOD PROD	.00019052	.00025872	.00022503	.00024805	.00015653	.00023070	.00020127	.00024559
35 BEVERAGES	.00027806	.00038155	.00032429	.00036159	.00024229	.00036348	.00030368	.00040008
36 TEXTILE MILL	.00011139	.00013607	.00010407	.00016691	.00010768	.00015940	.00012517	.00013667
37 MBWMC FURN	.00004654	.00005797	.00006821	.00004681	.00002334	.00002768	.00002758	.00004217
38 RELATED APPRL	.00001411	.00001779	.00001818	.00001504	.00001139	.00001609	.00001381	.00001596
39 LOGGING	.00024979	.00025244	.00026263	.00025824	.00020205	.00021392	.00020274	.00023684
40 LUMBER MILLS	.00021268	.00019520	.00020242	.00019302	.00018267	.00018350	.00018457	.00019719
41 MILLWORK,WOOD	.00194445	.00185582	.00200420	.00123893	.00141668	.00127605	.00127373	.00150989
42 WOOD FURN,FIX	.00024120	.00021944	.00021454	.00026100	.00021921	.00020701	.00021940	.00031984
43 MET FURN,FIXT	.00008904	.00010454	.00010842	.00010691	.00006779	.00008717	.00008104	.00010725
44 PAPER,PAP MIL	.00058389	.00064043	.00061973	.00209019	.00056547	.00070785	.00064447	.00076750
45 PAP EX BOX,CT	.00054630	.00068450	.00067450	.00056367	.00051191	.00070649	.00058371	.00076674
46 BOXES,PAP CNT	.00051801	.00060800	.00060321	.01200625	.00054280	.00080726	.00071016	.00108032
47 NEWSPAPERS	.00060897	.00081029	.00072753	.00080699	.00052190	.00077779	.00067196	.00099100
48 PUBLISHING	.00016619	.00021088	.00020370	.00018699	.00014511	.00020003	.00017090	.00022690
49 PRINTING	.00068912	.00096785	.00079015	.00086309	.00063068	.00089170	.00076393	.00103655
50 MANFLD BUS FM	.00018167	.00022825	.00021809	.00022934	.00015101	.00019534	.00018264	.00027103

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 1 *	SECTOR 2 *	SECTOR 3 *	SECTOR 4 *	SECTOR 5 *	SECTOR 6 *	SECTOR 7 *	SECTOR 8 *
51 OTH PRNT,PUBS	.00007449	.00009356	.00009053	.00008191	.00006390	.00008890	.00007949	.00009468
52 CHLOR,ALKALIE	.00256783	.00326421	.00315378	.00260818	.00260927	.00359047	.00288013	.00393648
53 CYCCRD INT,IG	.00097170	.00119649	.00115984	.00131764	.00100588	.00139435	.00118009	.00150016
54 ORG CHEM	.00577754	.00609820	.00678323	.00523441	.00655353	.01002622	.00906206	.00736394
55 INORG CHEM	.01667309	.02142890	.02054213	.01742446	.01733618	.02412832	.01917096	.02646332
56 FIBERS,PLASTI	.00049323	.00060755	.00059910	.00354279	.00048361	.00068546	.00062483	.00083056
57 SYN RUBBER	.00015448	.00018365	.00016496	.00019940	.00017112	.00023985	.00028894	.00036241
58 DRUGS	.00001224	.00001672	.00001626	.00001152	.00000886	.00001264	.00001152	.00001161
59 AGRIC CHEMICAL	.08735860	.11265419	.10765320	.09019200	.09084958	.12615730	.09984597	.13941714
60 SPS,CLNS,TOIL	.00021777	.00023293	.00025364	.00018149	.00024778	.00039035	.00035229	.00027289
61 PAINT+VARNISH	.00042122	.00033233	.00034462	.00033357	.00039142	.00035601	.00037600	.00034603
62 OTH CHEMICALS	.00075095	.00080777	.00089536	.00086368	.00076852	.00112680	.00103688	.00089876
63 PETRO REFING	.05960633	.06028479	.07237908	.04467880	.07401352	.12373109	.11375374	.07563615
64 OTH PETRO PRD	.00033211	.00031150	.00037153	.00017122	.00021563	.00017107	.00018518	.00016259
65 TIRES	.00082795	.00097975	.00086376	.00111957	.00093604	.00131639	.00167251	.00211613
66 FAB RUBBER PR	.00009511	.00008736	.00008991	.00007181	.00008945	.00009380	.00009887	.00009879
67 PLASTIC PRODS	.00090335	.00112853	.00108774	.01962519	.00089699	.00126126	.00106038	.00205424
68 LEATHER,L PRD	.00005559	.00006566	.00005602	.00005431	.00005325	.00007160	.00006496	.00006535
69 GLASS	.00016634	.00017234	.00016740	.00014695	.00015886	.00018712	.00017139	.00019222
70 CLAY	.00028052	.00019583	.00018831	.00014068	.00026752	.00020918	.00022991	.00018784
71 CUT ST,CL,SH	.00054354	.00050861	.00051490	.00039079	.00051647	.00055239	.00054599	.00054588
72 CEMENT,CONCRT	.00100774	.00067390	.00071076	.00047720	.00095002	.00072058	.00080876	.00066644
73 BLAST FURNACE	.00066398	.00075884	.00073258	.00057760	.00060502	.00079112	.00081845	.00079944
74 PRI STEEL,IRO	.00016837	.00020861	.00019288	.00083207	.00015219	.00020187	.00020176	.00252734
75 FOUNDRIES	.00030325	.00036436	.00037569	.00028167	.00024761	.00032978	.00030207	.00032701
76 NONFER SMELTG	.00047888	.00444395	.00427155	.00357883	.00361133	.00501614	.00406100	.00552305
77 AL SMLT ROL DR	.00087209	.00078703	.00082355	.00061900	.00088143	.00101068	.00097899	.00088314
78 CAST,FORGINGS	.00006403	.00007977	.00007844	.00006139	.00005788	.00008040	.00007466	.00007910
79 FABRI STEEL	.00022770	.00021515	.00021666	.00016295	.00021538	.00023398	.00023860	.00022851
80 PLATE WORK	.00011747	.00012662	.00012884	.00009857	.00010875	.00012933	.00011538	.00013474
81 SH MET,ARCH	.00115320	.00083800	.00087431	.00063153	.00108175	.00088207	.00095653	.00088965
82 METAL DOORS	.00003765	.00003013	.00003154	.00002216	.00003437	.00003071	.00003229	.00002870
83 FAB MET PROD	.00072598	.00082810	.00084013	.00070978	.00073014	.00106796	.00101740	.00094416
84 PLUMBING	.00019405	.00013785	.00014161	.00010436	.00018125	.00014266	.00014729	.00013806
85 BOLTS,NUTS,SC	.00030267	.00034749	.00033549	.00029069	.00028618	.00038191	.00036686	.00036917
86 ELCTPLT,CT,EN	.00010809	.00011270	.00011295	.00009425	.00010263	.00012299	.00011459	.00012572
87 VALVE,PIPE FT	.00164667	.00210093	.00231654	.00141874	.00095262	.00127966	.00117774	.00129050
88 OTH FAB MET P	.00021023	.00024216	.00023362	.00023262	.00021056	.00031028	.00027685	.00030792
89 FH,CONS,IND M	.00315609	.00501804	.00431203	.00330817	.00271038	.00515147	.00590312	.00427428
90 MTL HDL MC,EQ	.00007760	.00008889	.00009392	.00008905	.00007889	.00011465	.00009976	.00009966
91 MIN MACH,EQUP	.00054572	.00068612	.00082416	.00038082	.00030491	.00042433	.00038736	.00036775
92 ENGINES	.00015773	.00017487	.00017415	.00013201	.00015283	.00019108	.00017008	.00017430
93 METAL WK MACH	.00007657	.00008514	.00008647	.00006896	.00006662	.00008077	.00007611	.00009306
94 IND PROC MACH	.00014938	.00017260	.00017501	.00045184	.00016150	.00024250	.00021720	.00022105
95 GEN IND MACH	.00118391	.00150751	.00146118	.00122599	.00113117	.00155388	.00128480	.00171957
96 REFRIG MACH	.00010116	.00008640	.00009165	.00007349	.00008769	.00008155	.00008525	.00008250
97 COMPU,ACCT MACH	.00057947	.00058411	.00057735	.00046643	.00054394	.00061941	.00060753	.00060935
98 ELEC INST,AP	.00154193	.00110039	.00115679	.00079598	.00146258	.00122320	.00135144	.00110752
99 ELEC HSLD EQ	.00005170	.00006550	.00006131	.00007132	.00004597	.00006653	.00005828	.00008957
100 ELEC COMM EQ	.00046234	.00057773	.00070776	.00036232	.00023711	.00034349	.00031761	.00032018

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 1 *	* SECTOR 2 *	* SECTOR 3 *	* SECTOR 4 *	* SECTOR 5 *	* SECTOR 6 *	* SECTOR 7 *	* SECTOR 8 *
101 OTH ELEC APP	.00025429	.00028243	.00031815	.00032207	.00024740	.00033658	.00060514	.00061899
102 AIRCRAFT	.00000245	.00000307	.00000297	.00000277	.00000230	.00000324	.00000285	.00000324
103 AIRCRAFT ENG	.00004311	.00008464	.00002999	.00006092	.00003927	.00007005	.00005468	.00004546
104 OTH AIRCRAFT	.00000890	.00001196	.00001077	.00001090	.00000724	.00001028	.00000919	.00001049
105 MOTOR VHCL,P	.00430097	.00622379	.00671978	.00403596	.00365099	.00692774	.00863828	.00622568
106 SHIP,BT BLDG	.00007671	.00010560	.00010124	.00008160	.00007618	.00013496	.00011509	.00010699
107 OTH TRANS EQ	.00002971	.00004209	.00004070	.00003178	.00002783	.00004293	.00004087	.00003909
108 SCIENTIF INS	.00003553	.00004414	.00004596	.00004325	.00002670	.00003725	.00003344	.00004326
109 MECH HSRG DV	.00006219	.00006552	.00006503	.00005392	.00006157	.00007617	.00006883	.00007303
110 MEDICAL INST	.00017478	.00021578	.00022355	.00020951	.00013455	.00018699	.00016815	.00021320
111 PHO,TH,OPT I	.00008444	.00009939	.00009604	.00010105	.00006897	.00008375	.00007690	.00011039
112 GAMES,TOYS	.00000792	.00000919	.00000944	.00000928	.00000604	.00000752	.00000707	.00000934
113 OTH MFG IND	.00033269	.00034683	.00031961	.00036736	.00032044	.00037925	.00033199	.00041743
114 RAIL TRANS	.00363025	.00561396	.00520592	.00405294	.00370030	.00598716	.00560153	.00478895
115 INTERCTY HGY	.00002750	.00003921	.00003685	.00003083	.00002741	.00004264	.00003949	.00003623
116 MOTOR FRT STR	.00797750	.00802686	.00726441	.00852475	.00800116	.00862941	.00786502	.00778184
117 WATER TRANS	.00245705	.00340078	.00320608	.00266225	.00254951	.00456804	.00388260	.00359076
118 AIR TRANS	.00081225	.00104563	.00104079	.00097399	.00064886	.00087398	.00080701	.00095187
119 PIPELINE TRN	.00129699	.00137651	.00156147	.00111634	.00154469	.00252857	.00229809	.00169037
120 LOC,SUB TRAN	.00000286	.00000341	.00000350	.00000299	.00000213	.00000270	.00000247	.00000305
121 OTH TRAN SER	.00034258	.00046335	.00041950	.00047726	.00032471	.00049714	.00041118	.00052066
122 TELEP,TELEGR	.00354783	.00433353	.00396142	.00477072	.00318896	.00429596	.00382670	.00550733
123 RADIO , TV	.00043879	.00056171	.00052670	.00061560	.00037290	.00051035	.00045959	.00074434
124 OTH COMMUNIC	.00005258	.00005345	.00005737	.00003913	.00004163	.00004488	.00004355	.00004435
125 GAS SERVICES	.07438021	.10242383	.13353588	.03884958	.00956500	.00896388	.01110999	.00974920
126 ELEC SERVICES	.03695826	.03966320	.04961830	.01962524	.01668516	.01100116	.01115045	.01196557
127 WATER,SANI SERV	.00136040	.00160935	.00161616	.00143871	.00117492	.00163278	.00141134	.00162916
128 WHL AUT PT,S	.00156460	.00213608	.00221664	.00374362	.00140706	.00245011	.00287821	.00245696
129 WHL GRO,REL P	.00057355	.00072491	.00070967	.00069874	.00052982	.00075822	.00065600	.00080125
130 WHL FM PROD	.00300396	.00571389	.00329169	.00308147	.00335926	.01146154	.00659347	.00752471
131 WHL LIVESTOC	.00001869	.00003008	.00001775	.00002457	.00001724	.00002739	.00002240	.00002294
132 WHL MAC,EQ,S	.00494325	.00651505	.00644039	.00603876	.00468906	.00765330	.00746725	.00742151
133 WHL PET,PETP	.00939693	.01189414	.00880195	.01136840	.01005893	.01552445	.01363235	.01032866
134 GEN WHL	.01462230	.01742786	.01702317	.01893817	.01507382	.02357650	.01961503	.02136729
135 LUMBER YARDS	.00031187	.00035345	.00035050	.00030431	.00026693	.00033552	.00035024	.00036056
136 FARM EQ DEAL	.00187697	.00301230	.00258230	.00209863	.00165011	.00313177	.00347062	.00264779
137 HDW,HT,E,P,W	.00014706	.00017203	.00016782	.00024996	.00012840	.00017934	.00018799	.00045085
138 DEPT,VAR STO	.00021729	.00025693	.00024820	.00029060	.00020815	.00027359	.00024238	.00028812
139 FOOD STORES	.00013300	.00017550	.00015977	.00018316	.00012526	.00017780	.00014783	.00018521
140 AUTO DEAL,RP	.00374328	.00440040	.00442600	.00342211	.00334321	.00456823	.00452199	.00426376
141 GAS SER STAT	.00194405	.00197715	.00242690	.00250318	.00240352	.00406544	.00379682	.00259538
142 APPRL ACC ST	.00001404	.00002543	.00001082	.00002144	.00001290	.00002188	.00001750	.00001557
143 FURN,HC F,EQ	.00004524	.00004812	.00004926	.00004535	.00003764	.00004438	.00004702	.00004561
144 EAT,DRINK PL	.00044088	.00064576	.00049610	.00049320	.00039305	.00054732	.00047722	.00053677
145 OTHER RETAIL	.00090321	.00112637	.00114431	.00101095	.00082290	.00112644	.00093649	.00120891
146 BANK,CRD AGE	.04012279	.04839775	.04525865	.10301726	.03683651	.04445299	.04775119	.12715428
147 INSURANCE CA	.01261118	.03269252	.00872598	.01193808	.01302109	.01206229	.01039606	.01402385
148 F.I.R.E. NEC	.01356753	.01768169	.01650699	.01503596	.01086857	.01461866	.01274552	.01799507
149 LEGAL SERVIC	.00240330	.00311512	.00305467	.00261526	.00179126	.00234526	.00210414	.00294497
150 LODGING SERV	.00055223	.00079167	.00061951	.00060904	.00048356	.00069629	.00060156	.00065121

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 1 *	* SECTOR 2 *	* SECTOR 3 *	* SECTOR 4 *	* SECTOR 5 *	* SECTOR 6 *	* SECTOR 7 *	* SECTOR 8 *
151 PERSONAL SER	.00013593	.00016183	.00017370	.00014958	.00010967	.00015501	.00014105	.00014574
152 ADVERTISING	.00059303	.00036566	.00034071	.00033452	.00058384	.00039000	.00033215	.00042670
153 DUPL, ADDRESS	.00013159	.00016530	.00016632	.00014685	.00008690	.00009740	.00009386	.00015616
154 PRI EMPL AGE	.00009481	.00011784	.00010165	.00015569	.00008655	.00010525	.00009986	.00017471
155 PHOTO SERVIC	.00027371	.00031565	.00031366	.00037527	.00026470	.00036221	.00034007	.00046660
156 RESRCH,DEVEL	.00005724	.00006588	.00006579	.00006291	.00005932	.00008509	.00007481	.00007859
157 OTHER BUS SE	.00443360	.00522115	.00407791	.00483767	.00415994	.00505181	.00438636	.00557345
158 MTN PCT,AM,R	.00006328	.00008083	.00007666	.00007758	.00005220	.00007171	.00006657	.00008439
159 AUTO RENT SE	.00064699	.00077572	.00077490	.00073921	.00059582	.00084832	.00076009	.00083374
160 AUTO PARKING	.00001448	.00002177	.00001544	.00002913	.00001308	.00001502	.00001530	.00003528
161 ELEC REP SHP	.00717491	.00944567	.01413192	.00438957	.00016662	.00026910	.00056711	.00038998
162 MISC REP SER	.00175842	.00233838	.00220863	.00182557	.00135768	.00207816	.00177466	.00191061
163 PHYS,DENT SE	.00006208	.00013106	.00005811	.00005745	.00005574	.00005779	.00005098	.00006378
164 HOSP,LAB SER	.00008494	.00015679	.00008289	.00008404	.00007317	.00007669	.00006790	.00009100
165 OTH MED SERV	.00000279	.00000339	.00000340	.00000311	.00000232	.00000299	.00000264	.00000338
166 ED(PUB,PRI)	.01558796	.01893179	.01975345	.02120337	.01161948	.01607074	.01457441	.02027912
167 COLL,UNIV	.00554326	.00685027	.00716351	.00702239	.00408942	.00573734	.00518620	.00675725
168 OTH ED SERV	.00000430	.00000571	.00000518	.00000501	.00000377	.00000638	.00000512	.00000628
169 ENG,ARCH SER	.00154384	.00284111	.00201067	.00127458	.00109555	.00137739	.00126933	.00130793
170 COMPU,ACCT SERV	.00332106	.00325419	.00291268	.00391202	.00303882	.00295396	.00274209	.00471240
171 OTH PROF SER	.00003119	.00003617	.00003636	.00004809	.00002425	.00002741	.00002789	.00005518
172 OTHER SERVIC	.00099052	.00130531	.00116904	.00128446	.00080376	.00100425	.00094757	.00147958
173 ORD,ORD ACCS	.00000072	.00000086	.00000089	.00000067	.00000058	.00000078	.00000071	.00000077
174 OUTDOOR REC	.00031810	.00040390	.00045208	.00022525	.00017245	.00021194	.00019416	.00020133
175 SCRAP	.00020720	.00026090	.00025154	.00022631	.00021231	.00029898	.00024783	.00031939
TOTAL DIRECT/IND REQ	1.81170142	1.90864579	1.85576523	1.72443106	1.68930990	1.86367111	1.71120015	1.84706398

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 9 *	* SECTOR 10 *	* SECTOR 11 *	* SECTOR 12 *	* SECTOR 13 *	* SECTOR 14 *	* SECTOR 15 *	* SECTOR 16 *
1 IRR COTTON	.00059463	.00048641	.00091052	.00321661	.00002579	.00003678	.00020289	.00002730
2 IRR FOOD GRAIN	.01816503	.00510603	.00115419	.00289425	.00001848	.00002410	.00021301	.00003775
3 IRR FEED GRAIN	.01612092	.11157859	.02779735	.00543601	.00002031	.00002447	.00032459	.00008250
4 OTHER IRR CROP	.00554535	.00773678	.01296593	.00475472	.00007142	.00007784	.00042699	.00033242
5 DRYLAND COTTON	.00026924	.00023962	.00041240	.00122333	.00001091	.00001461	.00008846	.00001436
6 DRY FOOD GRAIN	.01461366	.00422673	.00083232	.00287876	.00003601	.00001442	.00018755	.00004522
7 DRY FEED GRAIN	.02035810	.02947560	.07726853	.01477437	.00002243	.00002887	.00071123	.00012464
8 OTHER DRY CROP	.04943668	.01436812	.05577768	.00219479	.00001832	.00002362	.00018669	.00007407
9 RANGE LIVESTOCK	1.00278030	.26616987	.00199100	.00743906	.00009700	.00011746	.00075286	.00030355
10 FEEDLOT LVSTK	.00052494	1.00038191	.00080358	.00249643	.00013837	.00015964	.00057736	.00015591
11 DAIRY	.01641029	.00709767	1.01774060	.00040004	.00007015	.00010044	.00018344	.00006952
12 POULTRY,EGGS	.00231014	.00157130	.00349337	1.08352953	.00002722	.00004596	.03808942	.00005680
13 AG SUP EX FMC	.03596507	.04186355	.08661278	.09540399	1.00002444	.00003189	.01497057	.00036261
14 COTTON GINNING	.00010524	.00068947	.00021802	.00052814	.00000439	1.00000619	.00012181	.00009590
15 AGR SERVICES	.04041666	.02353538	.06052877	.12351130	.00003585	.00018686	1.03769839	.00018760
16 PRIM FORESTRY	.00066264	.00035111	.00032022	.00055437	.00028425	.00109224	.00037296	1.22665376
17 FISHERIES	.00003747	.00002958	.00005133	.00009586	.00001797	.00002434	.00005350	.00002011
18 CRUDE PETRO	.01180423	.01668686	.02021772	.01478963	.01480869	.02085689	.01959579	.00593069
19 NATRL GAS LQDS.	.00071055	.00055640	.00106988	.00086478	.00073950	.00055507	.00165713	.00034563
20 OIL,GAS FLDSV	.00269467	.00348916	.00448186	.00322879	.00328277	.00414442	.00459288	.00127727
21 LIGNITE,OTH MINE	.00189866	.00178946	.00338041	.00227929	.00069490	.00356010	.01097286	.00113695
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00000306	.00000336	.00000330	.00000286	.00000433	.00005613	.00000367	.00001201
24 INDUS CONS	.00000002	.00000002	.00000002	.00000002	.00000003	.00000037	.00000002	.00000008
25 FACILITY CONS	.00001208	.00001327	.00001306	.00001133	.00001714	.00022183	.00001452	.00004746
26 MAINTEN,REPR	.00807317	.00886656	.00872466	.00756178	.01144502	.14828781	.00968569	.03172540
27 MEAT PRODUCTS	.00187598	.00130281	.00282086	.01013923	.00028850	.00034534	.00080218	.00031288
28 POULTRY PROD	.00149948	.00101651	.00228448	.00987811	.00003022	.00004605	.00037722	.00002005
29 DAIRIES	.00026779	.00017213	.00032183	.00032536	.00013794	.00020399	.00013671	.00008057
30 OTH GRAIN MIL	.00205876	.00157902	.00517285	.01295391	.00002763	.00003684	.00057744	.00005123
31 ANIMAL FEEDS	.05388794	.03670466	.08289916	.36614692	.00002577	.00003699	.01310615	.00021942
32 BAKERY PROD	.00008925	.00005694	.00011161	.00011921	.00005561	.00007580	.00006440	.00004473
33 CNND,PSVP,PCK	.00027198	.00017286	.00034085	.00041652	.00015642	.00021615	.00018273	.00011728
34 OTH FOOD PROD	.01054808	.01053877	.01615082	.01236171	.00017909	.00013067	.00079246	.00026310
35 BEVERAGES	.00029542	.00021778	.00042482	.00075468	.00089212	.00014705	.00013060	.00008426
36 TEXTILE MILL	.00144224	.00111986	.00219557	.00915771	.00012807	.00019910	.00056801	.00006564
37 MBWMC FURN	.00002617	.00002812	.00004570	.00004606	.00003182	.00004992	.00004140	.00005588
38 RELATED APPRL	.00002671	.00002192	.00005899	.00012744	.00000635	.00001055	.00003097	.00002455
39 LOGGING	.00035867	.00019878	.00020177	.00038085	.00017070	.00058290	.00027680	.21843708
40 LUMBER MILLS	.00039428	.00018667	.00015643	.00122735	.00015035	.00063358	.00015487	.00020280
41 MILLWORK,WOOD	.00324819	.00165498	.00134941	.00133171	.00126246	.00539107	.00124354	.00117895
42 WOOD FURN,FIX	.00016203	.00014587	.00017216	.00017666	.00016936	.00079702	.00013307	.00027533
43 MET FURN,FIXT	.00007078	.00005013	.00009455	.00009357	.00006818	.00011912	.00004615	.00005440
44 PAPER,PAP MIL	.00040222	.00037257	.00056831	.00208893	.00064810	.00104821	.00098160	.00076368
45 PAP EX BOX,CT	.00041661	.00038293	.00065765	.00083248	.00038434	.00028422	.00115617	.00030248
46 BOXES,PAP CNT	.00053070	.00054358	.00083927	.01175201	.00027722	.00036500	.00128507	.00038258
47 NEWSPAPERS	.00058316	.00061116	.00095609	.00123612	.00402023	.00055264	.00200060	.00129945
48 PUBLISHING	.00013597	.00013841	.00018289	.00020234	.00009201	.00014786	.00028215	.00019236
49 PRINTING	.00072613	.00061959	.00100671	.00118638	.00355939	.00079384	.00118241	.00143160
50 MANFLD BUS FM	.00016387	.00016217	.00020249	.00022180	.00015399	.00024863	.00021862	.00017374

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 9 *	* SECTOR 10 *	* SECTOR 11 *	* SECTOR 12 *	* SECTOR 13 *	* SECTOR 14 *	* SECTOR 15 *	* SECTOR 16 *
51 OTH PRNT,PUBS	.00006937	.00007367	.00008548	.00009464	.00006161	.00007886	.00014809	.00018359
52 CHLOR,ALKALIE	.00117305	.00097968	.00184043	.00199294	.00016982	.00043075	.00657121	.00020875
53 CYCCRD INT,I6	.00048572	.00040653	.00072462	.00064305	.00025099	.00039788	.00237625	.00027061
54 ORG CHEM	.00329384	.00266611	.00533907	.00375670	.00315980	.00405440	.00802047	.00173973
55 INORG CHEM	.00670231	.00563004	.01048957	.00731048	.00026768	.00036822	.04425343	.00032088
56 FIBERS,PLASTI	.00031822	.00029103	.00047201	.00048869	.00065443	.00035862	.00097176	.00028650
57 SYN RUBBER	.00018180	.00011463	.00019722	.00021285	.00006481	.00011296	.00046514	.00011635
58 DRUGS	.00005166	.00005870	.00007993	.00030956	.00001040	.00001068	.00002625	.00001271
59 AGRIC CHEMICAL	.03409445	.02873171	.05342003	.03235009	.00018734	.00043986	.23442724	.00065354
60 SPS,CLNS,TOIL	.00016914	.00013357	.00208615	.00055805	.00027866	.00014927	.00040218	.00007595
61 PAINT+VARNISH	.00019748	.00017333	.00023526	.00029860	.00025223	.00159969	.00030111	.00041928
62 OTH CHEMICALS	.00047377	.00037639	.00062539	.00053868	.00047778	.00071740	.00095445	.00092253
63 PETRO REFING	.03605763	.02801987	.05389022	.02897527	.04322038	.01968172	.05550346	.01110337
64 OTH PETRO PRD	.00008434	.00011828	.00015119	.00011945	.00013205	.00098470	.00014598	.00019700
65 TIRES	.00105398	.00063734	.00108761	.00096343	.00037265	.00060152	.00260769	.00066240
66 FAB RUBBER PR	.00004923	.00004480	.00006681	.00007914	.00005043	.00026987	.00011059	.00010996
67 PLASTIC PRODS	.00065624	.00068160	.00111700	.00092778	.00057568	.00048228	.00184330	.00045856
68 LEATHER,L PRD	.00008018	.00005384	.00006316	.00011032	.00008439	.00009161	.00024498	.00003959
69 GLASS	.00011944	.00011467	.00016479	.00019320	.00011017	.00035750	.00029073	.00014464
70 CLAY	.00008933	.00009003	.00010500	.00011156	.00010338	.00129059	.00027748	.00027879
71 CUT ST,CL,SH	.00026931	.00027664	.00036214	.00048400	.00040342	.00155056	.00060628	.00049658
72 CEMENT,CONCRT	.00030924	.00033225	.00036078	.00032934	.00048762	.000468107	.00045011	.00103675
73 BLAST FURNACE	.00036284	.00032925	.00042665	.00047391	.00021993	.00127588	.00157516	.00049663
74 PRI STEEL,IRO	.00022466	.00013381	.00027152	.00017204	.00008065	.00039102	.00024234	.00014454
75 FOUNDRIES	.00017031	.00015545	.00020636	.00027092	.00010324	.00034172	.00044502	.00016287
76 NONFER SHELTG	.00143101	.00120991	.00220990	.00145338	.00012049	.00026573	.000909329	.00023827
77 AL SMLT ROL DR	.00040113	.00037516	.00053094	.00050367	.00037864	.00231989	.00098596	.00068437
78 CAST,FORGINGS	.00004059	.00003738	.00005272	.00006681	.00002782	.00006519	.00013572	.00011658
79 FABRI STEEL	.00016349	.00011317	.00012824	.00013699	.00012497	.00065204	.00030894	.00017697
80 PLATE WORK	.00005500	.00005007	.00007800	.00008154	.00003804	.00019970	.00020117	.00006686
81 SH MET,ARCH	.00139777	.00068431	.00048221	.00047155	.00052317	.00490826	.00070924	.00122076
82 METAL DOORS	.00001611	.00001525	.00002018	.00001756	.00002869	.00014339	.00001985	.00003438
83 FAB MET PROD	.00051573	.00039365	.00071119	.00076115	.00047184	.00079709	.00102439	.00064242
84 PLUMBING	.00006917	.00006999	.00009629	.00009867	.00020996	.00083857	.00015251	.00016674
85 BOLTS,NUTS,SC	.00021863	.00019482	.00027255	.00035626	.00016333	.00049356	.00055137	.00055679
86 ELCTPLT,CT,EN	.00010817	.00006503	.00008357	.00010338	.00004959	.00020832	.00015935	.00009798
87 VALVE,PIPE FT	.00084249	.00066414	.00079980	.00138024	.00048103	.00133961	.00069479	.00041944
88 OTH FAB MET P	.00079555	.00031776	.00025356	.00043469	.00016188	.00016816	.00019303	.00018216
89 FM,CONS,IND M	.00208474	.00183585	.00224447	.00273626	.00009501	.00097916	.01844037	.00032791
90 MTL HDL MC,EQ	.00006476	.00005056	.00009778	.00021867	.00002982	.00005238	.00013399	.00006031
91 MIN MACH,EQUP	.00017506	.00020190	.00028689	.00024483	.00016562	.00031917	.00046342	.00012166
92 ENGINES	.00010499	.00009553	.00014516	.00019275	.00018066	.00027692	.00023823	.00060980
93 METAL WK MACH	.00005310	.00004593	.00006530	.00008999	.00006774	.00014676	.00009402	.00020681
94 IND PROC MACH	.00014584	.00012508	.00020411	.00056386	.00012172	.00009190	.00031540	.00007563
95 GEN IND MACH	.00064843	.00060000	.00093913	.00083343	.00068663	.00053456	.00268978	.00050526
96 REFRIG MACH	.00005120	.00004445	.00006743	.00006633	.00005471	.00034625	.00006070	.00012276
97 COMPU,ACCT MACH	.00027190	.00054372	.00036394	.00039659	.00021226	.00141587	.00101432	.00066044
98 ELEC INST,AP	.00052282	.00054005	.00062587	.00057536	.00073057	.00666478	.00099328	.00163840
99 ELEC HSLD EQ	.00005756	.00005495	.00008904	.00010751	.00032270	.00005679	.00006199	.00039735
100 ELEC COMM EQ	.00023905	.00034415	.00041816	.00031317	.00019947	.00031710	.00041724	.00041333

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 9 *	* SECTOR 10 *	* SECTOR 11 *	* SECTOR 12 *	* SECTOR 13 *	* SECTOR 14 *	* SECTOR 15 *	* SECTOR 16 *
101 OTH ELEC APP	.00028561	.00024126	.00033792	.00027242	.00013014	.00018286	.00028150	.00040430
102 AIRCRAFT	.00000162	.00000145	.00000240	.00000243	.00000120	.00000171	.00000607	.00000371
103 AIRCRAFT ENG	.00003811	.00002403	.00005707	.000011645	.00000004	.00000019	.000097826	.00000019
104 OTH AIRCRAFT	.00000644	.00000549	.00000889	.00001142	.000000523	.00000695	.00003321	.00001273
105 MOTOR VHCL,P	.00270912	.00228614	.00283603	.00175281	.00405132	.00198968	.00107301	.00087947
106 SHIP,BT BLDG	.00009454	.00018952	.00011581	.00008739	.00002365	.00002498	.00002314	.00002727
107 OTH TRANS EQ	.00003097	.00002746	.00003787	.00005973	.00002484	.00001724	.00004183	.00025209
108 SCIENTIF INS	.00002827	.00001944	.00003888	.00003799	.00002561	.00002850	.00002527	.00001875
109 MECH MSRG DV	.00003994	.00004008	.00005790	.00004873	.00002898	.00011562	.00009836	.00005156
110 MEDICAL INST	.00014279	.00009958	.00019327	.00019413	.00013612	.00015141	.00013693	.00014761
111 PHO, TM, OPT I	.00006995	.00005911	.00008993	.00009387	.00010800	.00014356	.00009243	.00012067
112 GAMES, TOYS	.00000656	.00000469	.00000880	.00000858	.00000603	.00001214	.00000512	.00000886
113 OTH HFG IND	.00025999	.00021230	.00037742	.00045727	.00084100	.00072374	.00042349	.00036150
114 RAIL TRANS	.00553508	.00485117	.00618769	.01133565	.00390865	.00149996	.00375210	.05959935
115 INTERCTY HGY	.00003825	.00003401	.00004568	.00007615	.00002776	.00002009	.00003365	.00034647
116 MOTOR FRT STR	.01543094	.01355375	.02831001	.01755721	.00433250	.01990112	.01189590	.02562448
117 WATER TRANS	.00317261	.00535899	.00372643	.00274872	.00071876	.00070048	.00400822	.00075131
118 AIR TRANS	.00053232	.00053382	.00071860	.00090464	.00050653	.00072883	.00126336	.00173927
119 PIPELINE TRN	.00082866	.00072071	.00124526	.00084151	.00084807	.00052699	.00179488	.00062607
120 LOC, SUB TRAN	.00000248	.00000224	.00000378	.00000633	.00000339	.00000418	.00000502	.00000545
121 OTH TRAN SER	.00202202	.00161761	.00309968	.01190307	.00015006	.00019031	.00102303	.00093925
122 TELEP, TELEGR	.00362295	.00350681	.00534130	.00586706	.00866454	.00454736	.00629876	.00634468
123 RADIO, TV	.00045755	.00044620	.00065790	.00103629	.00147155	.00047356	.00094968	.00069211
124 OTH COMMUNIC	.00002428	.00002551	.00003595	.00003547	.00003740	.00012667	.00006516	.00005439
125 GAS SERVICES	.00907921	.02202947	.01867710	.01468714	.01360154	.03339133	.01180225	.00549719
126 ELEC SERVICES	.00881803	.01357038	.02995545	.01957625	.01827851	.08096018	.01449880	.00689811
127 WATER, SANI SERV	.00121085	.00117367	.00197736	.00306815	.00514900	.00175745	.00234639	.00173652
128 WHL AUT PT, S	.00125667	.00115551	.00141968	.00142345	.00186948	.00111594	.00147097	.00902453
129 WHL GRO, RELP	.00106699	.00074867	.00819694	.00439809	.00031766	.00029248	.00133959	.00061588
130 WHL FM PROD	.01851026	.04522897	.02198123	.01403038	.00006620	.00010027	.00793724	.00089749
131 WHL LIVESTOC	.00028691	.01453204	.00020383	.00076938	.00000437	.00000608	.00023446	.00002751
132 WHL MAC, EQ, S	.00354409	.00316111	.00421588	.00414590	.00218218	.00200147	.01256506	.02791849
133 WHL PET, PETP	.00646226	.00463279	.00975434	.01293412	.00664636	.00960551	.07749155	.00713286
134 GEN WHL	.01574153	.01228980	.01878954	.01666585	.00575226	.01263321	.02231507	.09921290
135 LUMBER YARDS	.00056927	.00036430	.00057656	.00164881	.00012900	.00055605	.00074811	.00355572
136 FARM EQ DEAL	.00129127	.00099705	.00147117	.00213109	.00005034	.00005988	.001140279	.00132222
137 HDW, HT, E, P, W	.00021995	.00011936	.00013013	.00024716	.00004423	.00024966	.00018264	.00203076
138 DEPT, VAR STO	.00028482	.00022790	.00040813	.00131362	.00008339	.00024581	.00051360	.00546070
139 FOOD STORES	.00023443	.00024421	.00161897	.00107232	.00004741	.00005177	.000052589	.00010323
140 AUTO DEAL, RP	.00240732	.00288255	.00352362	.00564852	.00319972	.00542063	.00812184	.00684356
141 GAS SER STAT	.00124167	.00107524	.00179704	.00086337	.00123651	.00041126	.00110485	.00122914
142 APPRL ACC ST	.00013765	.00009341	.00021077	.00088749	.00000277	.00000400	.00026352	.00000656
143 FURN, HM F, EQ	.00006328	.00004212	.00005924	.00016965	.00002725	.00010205	.00006475	.01404060
144 EAT, DRINK PL	.00065673	.00063430	.00159528	.00219272	.00088806	.00054912	.00137605	.00111341
145 OTHER RETAIL	.00043028	.00042648	.00070367	.00076702	.00034110	.00040258	.00209590	.00664636
146 BANK, CRD AGE	.05578632	.05283247	.05101574	.05584157	.04974232	.05805460	.02351107	.01417938
147 INSURANCE CA	.02230534	.01245734	.01696155	.01997322	.03008852	.04065809	.01417782	.01208189
148 F.I.R.E. NEC	.01217930	.01245758	.01792101	.01890461	.06989686	.01839940	.01446758	.01556953
149 LEGAL SERVIC	.00196671	.00209245	.00278263	.00311548	.00474256	.00285336	.00352461	.00261927
150 LODGING SERV	.00048812	.00067383	.00067359	.00092616	.00117483	.00060393	.00247815	.00124384

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 9 *	SECTOR 10 *	SECTOR 11 *	SECTOR 12 *	SECTOR 13 *	SECTOR 14 *	SECTOR 15 *	SECTOR 16 *
151 PERSONAL SER	.00009191	.00008402	.00014797	.00014352	.00012086	.00013409	.00023581	.00024871
152 ADVERTISING	.00032764	.00031622	.00053294	.00070665	.00158995	.00279992	.00051871	.00051981
153 DUPL, ADDRESS	.00009501	.00009459	.00012240	.00013266	.00020513	.00021652	.00011301	.00013775
154 PRI EML AGE	.00009432	.00008750	.00010535	.00011470	.00012471	.00016527	.00015175	.00008284
155 PHOTO SERVIC	.00024799	.00023079	.00030634	.00032304	.00029849	.00035300	.00038382	.00041022
156 RESRCH, DEVEL	.00004696	.00009540	.00007397	.00011166	.00002280	.00005413	.00011483	.00006171
157 OTHER BUS SE	.00331338	.00292019	.00043945	.00583550	.00498047	.00876013	.02228165	.00370248
158 MTN PCT, AM, R	.00006310	.00005514	.00010702	.00013561	.00007490	.00007291	.00011679	.00017476
159 AUTO RENT SE	.00059326	.00058147	.00095140	.00107850	.00109983	.00069819	.00111052	.00136233
160 AUTO PARKING	.00001969	.00001667	.00001784	.00001997	.00002122	.00002576	.00001228	.00000908
161 ELEC REP SHP	.00065755	.00190699	.00502343	.00095648	.00110686	.00010297	.00077144	.000372828
162 MISC REP SER	.00209319	.00164325	.00469068	.00783406	.00410581	.00095730	.00633392	.01090724
163 PHYS, DENT SE	.00008465	.00005365	.00007495	.00008336	.00011303	.00015057	.00007211	.00006096
164 HOSP, LAB SER	.00010217	.00006845	.00010240	.00011777	.00015230	.00019793	.00012150	.00009835
165 OTH MED SERV	.00000206	.00000175	.00000317	.00000467	.00000232	.00000317	.00000530	.00000242
166 ED(PUB, PRI)	.01668995	.00974164	.01858931	.01870276	.00873861	.01366619	.00671762	.00358239
167 COLL, UNIV	.00462789	.00305090	.00642480	.00638144	.00438254	.00456273	.00239619	.00139918
168 OTH ED SERV	.00000648	.00001106	.00000850	.00000743	.00000626	.00000437	.00000787	.00006567
169 ENG, ARCH SER	.00074213	.00074014	.00131392	.00103659	.00087065	.00208306	.00127479	.00102842
170 COMPU, ACT SERV	.00263769	.00270132	.00328379	.00376254	.00696044	.01009340	.00475506	.00458290
171 OTH PROF SER	.00003631	.00003019	.00003303	.00003980	.00003076	.00005519	.00002539	.02032901
172 OTHER SERVIC	.00093333	.00095674	.00109341	.00117279	.00137167	.00155472	.00114491	.00149993
173 ORD, ORD ACCS	.00000040	.00000037	.00000049	.00000064	.00000024	.00000081	.00000105	.00000038
174 OUTDOOR REC	.00014489	.00016374	.00022138	.00020930	.00043714	.00037542	.00025069	.00016618
175 SCRAP	.00010678	.00010508	.00016244	.00013521	.00002906	.00006244	.00051523	.00010118
TOTAL DIRECT/IND REQ	1.66158606	1.94906867	1.96910491	2.22909997	1.38317734	1.60630903	1.89158984	1.92572037

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 17 *	SECTOR 18 *	SECTOR 19 *	SECTOR 20 *	SECTOR 21 *	SECTOR 22 *	SECTOR 23 *	SECTOR 24 *
1 IRR COTTON	.00045320	.00001499	.00001276	.00002778	.00006751	.00016647	.00014313	.00020514
2 IRR FOOD GRAIN	.00016536	.00002408	.00001743	.00004298	.00005956	.00004656	.00016114	.00006176
3 IRR FEED GRAIN	.00021173	.00003873	.00002117	.00005645	.00004226	.00004402	.00013953	.00006436
4 OTHER IRR CROP	.00065240	.00014792	.00007317	.00024353	.00010531	.00012042	.00024270	.00016309
5 DRYLAND COTTON	.00022703	.00000838	.00000660	.00001486	.00002675	.00005515	.00006807	.00006833
6 DRY FOOD GRAIN	.00010882	.00001328	.00000944	.00002364	.00003203	.00003051	.00008926	.00009655
7 DRY FEED GRAIN	.00030588	.00004159	.00002401	.00005585	.00005618	.00004955	.00016639	.00006731
8 OTHER DRY CROP	.00029170	.00004775	.00002320	.00005279	.00003891	.00003291	.00009699	.00004541
9 RANGE LIVESTOCK	.00083718	.00021340	.00010788	.00028725	.00019989	.00020864	.00057314	.00031056
10 FEEDLOT LVSTK	.00049227	.00024743	.00013676	.00039062	.00028106	.00029946	.00093863	.00045089
11 DAIRY	.00017814	.00025061	.00011104	.00021693	.00015886	.00010390	.00024912	.00014097
12 POULTRY,EGGS	.00015811	.00008836	.00004121	.00007935	.00007258	.00011345	.00019666	.00016889
13 AG SUP EX FMC	.00087347	.00005374	.00002707	.00006340	.00005221	.00007568	.00031215	.00011393
14 COTTON GINNING	.00028785	.00000292	.00000237	.00000526	.00001119	.00002638	.00002645	.00003237
15 AGRI SERVICES	.00045643	.00005445	.00004616	.00006920	.00006443	.00195399	.01368528	.00316345
16 PRIM FORESTRY	.00247711	.00014836	.00020149	.00022430	.00032962	.00360387	.00153191	.00045332
17 FISHERIES	1.00194214	.00005628	.00002590	.00005898	.00003810	.00002847	.00006838	.00003900
18 CRUDE PETRO	.03088753	1.00635537	.21009358	.01153574	.02023214	.00737546	.01354500	.00849684
19 NATRL GAS LQDS.	.00259959	.00028353	1.00053897	.00068823	.00096525	.00036940	.00092672	.00050886
20 OIL,GAS FLDSV	.00744458	.18575394	.07043456	1.03263072	.00434933	.00156107	.00289115	.00177330
21 LIGNITE,OTH MINE	.00107823	.00043562	.00540196	.00053803	1.00355291	.00946429	.01467568	.00946511
22 RES CONSTRUCT	0.	0.	0.	0.	0.	1.00000309	0.	.00000010
23 COMM,ED,INST	.00002108	.00000146	.00000737	.00000258	.00000547	.00035215	1.00111792	.00150523
24 INDUS CONS	.00000014	.00000001	.00000005	.00000002	.00000004	.00001206	.00000002	1.00000005
25 FACILITY CONS	.00008332	.00000578	.00002914	.00001022	.00002161	.00158972	.00014072	.00728640
26 MAINTEN,REPR	.05569544	.00365641	.01948035	.00682610	.01444001	.00565601	.00709715	.00920684
27 MEAT PRODUCTS	.00097780	.00092863	.00039984	.00110207	.00049733	.00039714	.00064878	.00065877
28 POULTRY PROD	.00004943	.00014445	.00005777	.00010481	.00006201	.00002289	.00003923	.00003063
29 DAIRIES	.00023985	.00062440	.00025502	.00047926	.00030684	.00014214	.00015115	.00019540
30 OTH GRAIN MIL	.00025797	.00005457	.00003091	.00008061	.00015479	.00006959	.00019265	.00009314
31 ANIMAL FEEDS	.00054746	.00007208	.00003475	.00007444	.00006097	.00007121	.00030528	.00010381
32 BAKERY PROD	.00012305	.00022150	.00009340	.00020490	.00012285	.00007422	.00006309	.00010488
33 CNND,PSVP,PCK	.00066352	.00064596	.00026766	.00059142	.00032626	.00017770	.00018045	.00025212
34 OTH FOOD PROD	.01458451	.00035624	.00015085	.00035132	.00029275	.00012610	.00021402	.00016652
35 BEVERAGES	.00021362	.00033280	.00014474	.00034706	.00019846	.00013323	.00026649	.00019855
36 TEXTILE MILL	.00198771	.00003647	.00003673	.00006898	.00036714	.00114761	.00048177	.00140222
37 MBWMC FURN	.00004800	.00006409	.00004515	.00028227	.00005194	.00005593	.00004541	.00030059
38 RELATED APPRL	.00719323	.00000555	.00000477	.00001220	.00001284	.00004495	.00003869	.00004042
39 LOGGING	.00128117	.00009056	.00011603	.00014027	.00019257	.00203209	.00092499	.00027978
40 LUMBER MILLS	.00044551	.00022734	.00016305	.00018495	.00028309	.00238296	.00540432	.00045479
41 MILLWORK,WOOD	.01330404	.00052929	.00087869	.00085477	.00122019	.00402142	.00388965	.00182348
42 WOOD FURN,FIX	.00037251	.00015554	.00015530	.00020682	.00024260	.00190064	.00044185	.00020075
43 MET FURN,FIXT	.00006991	.00023431	.00010958	.00018971	.00022233	.00031998	.00141814	.00037346
44 PAPER,PAP MIL	.00075782	.00033071	.00033017	.00044465	.00054991	.00095652	.00089748	.00066717
45 PAP EX BOX,CT	.00036212	.00062567	.00023838	.00030896	.00054890	.00105866	.00093257	.00048531
46 BOXES,PAP CNT	.00079688	.00019922	.00020537	.00032361	.00054023	.00062607	.00117979	.00097922
47 NEWSPAPERS	.00068333	.00023012	.00018821	.00061384	.00046500	.00173188	.00060590	.00048912
48 PUBLISHING	.00016522	.00011878	.00007880	.00017347	.00017005	.00018604	.00026601	.00022833
49 PRINTING	.00101222	.00072572	.00061891	.00136156	.00084988	.00104994	.00092647	.00094607
50 MANFLD BUS FM	.00021603	.00049434	.00052055	.00061163	.00032708	.00035999	.00019443	.00019951

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 17 *	SECTOR 18 *	SECTOR 19 *	SECTOR 20 *	SECTOR 21 *	SECTOR 22 *	SECTOR 23 *	SECTOR 24 *
51 OTH PRNT,PUBS	.00010364	.00005712	.00003725	.00009333	.00009453	.00017200	.00015162	.00016635
52 CHLOR,ALKALIE	.00032619	.00019093	.00123783	.00047891	.00477794	.00074091	.00072648	.00702622
53 CYCCRD INT,IG	.00052987	.00013071	.00021601	.00027467	.00063925	.00141892	.00109513	.00073106
54 ORG CHEM	.00994435	.00251339	.00270659	.00375517	.00564831	.00235232	.00477628	.00369275
55 INORG CHEM	.00096359	.00070445	.00039114	.00035367	.00053264	.00086146	.00136884	.00081679
56 FIBERS,PLASTI	.00048012	.00014291	.00015960	.00028753	.00099392	.00132128	.00225717	.00207035
57 SYN RUBBER	.00014261	.00002988	.00003288	.00007971	.00071182	.00008641	.00015673	.00011660
58 DRUGS	.00001989	.00001656	.00001205	.00003973	.00003876	.00004005	.00001632	.00005291
59 AGRI CHEMICAL	.00152195	.00012203	.00009161	.00020080	.00013298	.00265870	.00330911	.00121341
60 SPS,CLNS,TOIL	.00048985	.00008266	.00035553	.00020023	.00037512	.00053757	.00041634	.00024011
61 PAINT+VARNISH	.00110450	.00024890	.00050383	.00030582	.00044976	.00275850	.00326162	.00252159
62 OTH CHEMICALS	.00153959	.00134963	.00095057	.00594107	.02380515	.00088774	.00130972	.00085837
63 PETRO REFING	.14182469	.01239865	.02985393	.03322576	.04715917	.01065844	.01575322	.01062470
64 OTH PETRO PRD	.00033753	.00005914	.00016218	.00009700	.00309094	.00272854	.00842378	.00498936
65 TIRES	.00072433	.00016262	.00016494	.00044319	.00438497	.00039298	.00066995	.00057005
66 FAB RUBBER PR	.00013584	.00004399	.00007421	.00008349	.00227625	.00020253	.00030716	.00038090
67 PLASTIC PRODS	.00049116	.00032333	.00023696	.00060785	.00099686	.00120168	.00238628	.00765022
68 LEATHER,L PRD	.00007412	.00002657	.00002915	.00003775	.00004387	.00004093	.00658555	.00338171
69 GLASS	.00025396	.00008826	.00008435	.00011261	.00012619	.00095225	.00061162	.00158639
70 CLAY	.00049009	.00004424	.00018694	.00007552	.00199139	.00375439	.00967413	.00674133
71 CUT ST,CL,SH	.00073630	.00015362	.00028902	.00028260	.00394144	.00668442	.01197014	.00924491
72 CEMENT,CONCRT	.00182747	.00069172	.00077528	.00034858	.00172489	.04783350	.08042024	.04071824
73 BLAST FURNACE	.00376786	.00029861	.00048571	.00048837	.00796980	.00504763	.02415541	.01009591
74 PRI STEEL,IRO	.00021847	.00014009	.00018795	.00021537	.00091106	.00120927	.00233557	.00207843
75 FOUNDRIES	.00028184	.00018080	.00027492	.00039289	.00217605	.00064749	.00161260	.00425844
76 NONFER SMELTG	.00039425	.00009016	.00012158	.00020399	.00071802	.00062316	.00348349	.00444940
77 AL SMLT ROL DR	.00203356	.00023566	.00051050	.00048357	.00273121	.00341784	.00881272	.00416126
78 CAST,FORGINGS	.00006441	.00007777	.00004596	.00017978	.00075487	.00021192	.00030816	.00036405
79 FABRI STEEL	.00064373	.00007450	.00012043	.00016419	.00117886	.02392317	.02443282	.02129900
80 PLATE WORK	.00012815	.00002874	.00005809	.00005985	.00020167	.00073706	.01075225	.00031035
81 SH MET,ARCH	.00199588	.00035671	.00077701	.00073083	.00158884	.00783120	.02626043	.02962273
82 METAL DOORS	.00006372	.00001569	.00002477	.00002325	.00002914	.00252830	.03371503	.00266405
83 FAB MET PROD	.00087516	.00047401	.00044686	.00068715	.00108070	.00173131	.00780463	.00933581
84 PLUMBING	.00027470	.00006739	.00011293	.00010931	.00015738	.00164890	.00566553	.00305831
85 BOLTS,NUTS,SC	.00046184	.00014193	.00011123	.00026510	.00052517	.00159447	.00508752	.00341076
86 ELC+PLT,CT,EN	.00012282	.00006583	.00010161	.00020680	.00405657	.00030825	.00061358	.00786016
87 VALVE,PIPE FT	.00088608	.00072337	.00061772	.00164514	.00256070	.00449327	.01023169	.05082852
88 OTH FAB MET P	.00024176	.00016474	.00012347	.00051723	.00018217	.00027829	.00196273	.00023191
89 FM,CONS,IND M	.00055924	.00004847	.00018853	.00008469	.00735189	.00240161	.00396338	.00210016
90 MTL HDL MC,EQ	.00008544	.00004364	.00008505	.00014979	.00709581	.00011804	.00018097	.00081468
91 MIN MACH,EQUIP	.00035994	.00753616	.00304867	.01890081	.01934491	.00051565	.00165635	.00322659
92 ENGINES	.00019193	.00013581	.00018144	.00034391	.00996537	.00022526	.00092780	.00031882
93 METAL WK MACH	.00009745	.00004050	.00004009	.00006942	.00019712	.00042254	.00061342	.00054346
94 IND PROC MACH	.00041911	.00004490	.00381254	.00009166	.00022308	.00027482	.00021248	.00081330
95 GEN IND MACH	.00117775	.00049653	.00036143	.00077352	.00590321	.00117839	.00157016	.00434980
96 REFRIG MACH	.00015799	.00009296	.00010689	.00011003	.00012615	.00226382	.00564419	.01064957
97 COMPU,ACCT MACH	.00082110	.00031328	.00042521	.00077140	.00906496	.00178415	.00163649	.00303105
98 ELEC INST,AP	.00266563	.00039966	.00103381	.00085273	.00597112	.00234684	.00355715	.00542506
99 ELEC HSLD EQ	.00008766	.00008310	.00007212	.00024142	.00008665	.00019789	.00052930	.00183197
100 ELEC COMM EQ	.00049759	.00202328	.01027122	.01048782	.00046891	.00092322	.00056141	.00048285

APPENDIX TABLE 9. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 17 *	SECTOR 18 *	SECTOR 19 *	SECTOR 20 *	SECTOR 21 *	SECTOR 22 *	SECTOR 23 *	SECTOR 24 *
101 OTH ELEC APP	.00022240	.00017760	.00020407	.00042470	.00242711	.00018157	.00026506	.00020814
102 AIRCRAFT	.00000982	.00000404	.00000207	.00001011	.00000440	.00000344	.00000650	.00000689
103 AIRCRAFT ENG	.00000045	.00000006	.00000006	.00000009	.00000015	.00000187	.000001302	.00000315
104 OTH AIRCRAFT	.00004297	.00002677	.00001193	.00005755	.00002760	.00001409	.00001355	.00003900
105 MOTOR VHCL,P	.00055440	.00035539	.00032374	.00079044	.00495631	.00216634	.00235224	.00188421
106 SHIP,BT BLDG	.04069338	.00012594	.00005816	.00011916	.00063219	.00004306	.00007715	.00005454
107 OTH TRANS EQ	.00003923	.00001636	.00001319	.00003228	.00055002	.00005282	.00008618	.00006990
108 SCIENTIF INS	.00002274	.00011367	.00005848	.00016841	.00009275	.00002395	.00003295	.00003832
109 MECH MSRG DV	.00009236	.00002892	.00003039	.00004324	.00017154	.00047095	.00056539	.00255321
110 MEDICAL INST	.00013558	.00043249	.00020072	.00038303	.00043800	.00017211	.00014965	.00023955
111 PHO,IM,OPT I	.00012947	.00014552	.00007452	.00022122	.00023392	.00016010	.00009118	.00021323
112 GAMES,TOYS	.00000776	.00001811	.00000877	.00001711	.00001663	.00003750	.00063703	.00001189
113 OTH MFG IND	.00031143	.00022064	.00014457	.00034217	.00032135	.00107939	.00072873	.00085000
114 RAIL TRANS	.00292594	.00171466	.00094112	.00171567	.00824229	.00530247	.01111016	.00903707
115 INTERCTY HGY	.00002834	.00001497	.00000994	.00002236	.00005605	.00004993	.00008498	.00006457
116 MOTOR FRT STR	.00692614	.00330585	.00384537	.00748221	.01790521	.01051939	.01915100	.02529080
117 WATER TRANS	.00920770	.00416425	.00189873	.00389048	.02187748	.00137529	.00232806	.00172748
118 AIR TRANS	.00613374	.00298820	.00131310	.00740641	.00275587	.00189537	.00115892	.00469341
119 PIPELINE TRN	.00283090	.00030430	.00060666	.00081495	.00141623	.00059816	.00105869	.00073967
120 LOC,SUB TRAN	.00000505	.00000358	.00000272	.00000998	.00000428	.00001453	.00000348	.00000607
121 OTH TRAN SER	.00036176	.00028766	.00013970	.00030998	.00137731	.00030317	.00057187	.00060770
122 TELEP,TELEGR	.00501009	.00304886	.00249738	.00738756	.00477545	.00700614	.00509999	.00454454
123 RADIO , TV	.00047647	.00020968	.00015396	.00047893	.00037993	.00077051	.00043812	.00040238
124 OTH COMMUNIC	.00007371	.00023593	.00015010	.00124616	.00003667	.00181619	.00153388	.00068590
125 GAS SERVICES	.00826022	.00502798	.00548294	.00834729	.01782400	.00854022	.01281685	.01012679
126 ELEC SERVICES	.00783541	.00911787	.01272985	.01239638	.02194888	.00939198	.01148761	.01083265
127 WATER,SANI SERV	.00178052	.00106979	.00084733	.00230663	.00570073	.00252856	.00197254	.00185881
128 WHL AUT PT,S	.00566907	.00053837	.00058218	.00145779	.00127702	.00063096	.00147374	.00074272
129 WHL GRO,RELP	.00230370	.00049411	.00025434	.00072586	.00036779	.00049492	.00117386	.00038623
130 WHL FM PROD	.01819832	.00007901	.00007014	.00017787	.00023141	.00024647	.00052246	.00030782
131 WHL LIVESTOC	.00069727	.00000885	.00000499	.00001301	.00001397	.00001341	.00003284	.00002065
132 WHL HAC,EQ,S	.01031924	.00669444	.00692136	.02629737	.00370034	.00377870	.00863039	.00439016
133 WHL PET,PETP	.02689470	.00316687	.00219726	.00806070	.00195914	.00293732	.00621955	.00257523
134 GEN WHL	.01295508	.00263807	.00327125	.00630004	.01409094	.03451756	.03443586	.01025042
135 LUMBER YARDS	.00075306	.00012410	.00015597	.00032893	.00082272	.00210588	.00412396	.00023015
136 FARM EQ DEAL	.00131697	.00009961	.00022345	.00043230	.00006941	.00011146	.00048616	.00011954
137 HDW,HT,E,P,W	.00033964	.00008611	.00008899	.00015288	.00011058	.00011963	.00151261	.00016384
138 DEPT,VAR STO	.00102758	.00010738	.00020302	.00037524	.00020898	.00028340	.00298549	.00041180
139 FOOD STORES	.00174488	.00017276	.00011952	.00081357	.00006026	.00011301	.00022098	.00008787
140 AUTO DEAL,RP	.00931097	.00217448	.00254933	.00900579	.00754608	.00266685	.00381368	.00318564
141 GAS SER STAT	.00135302	.00046388	.00034113	.00066954	.00041166	.00047081	.00136026	.00054682
142 APPRL ACC ST	.00037131	.00000224	.00000187	.00000509	.00000659	.00001566	.00002773	.00001565
143 FURN,HM F,EQ	.00056412	.00002439	.00006123	.00007315	.00006989	.00023834	.00054169	.00014454
144 EAT,DRINK PL	.00154535	.00080811	.00045894	.00359955	.00052536	.00126309	.00117023	.00235998
145 OTHER RETAIL	.00607750	.00043506	.00026350	.00103148	.00031290	.00077751	.00172169	.00066208
146 BANK,CRD AGE	.04797036	.01408457	.01004276	.04621943	.04168471	.03372496	.01864427	.01953047
147 INSURANCE CA	.05540142	.00731568	.00484494	.01482912	.01632092	.01159530	.03124668	.02913567
148 F.I.R.E. NEC	.01898741	.02372284	.01278087	.04165390	.02811433	.03033526	.01670095	.02262140
149 LEGAL SERVIC	.00390487	.00318254	.00165896	.00490297	.00257200	.00419131	.00401254	.00319297
150 LODGING SERV	.00183558	.00136794	.00063287	.00384100	.00050986	.00168027	.00126350	.00126897

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 17 *	SECTOR 18 *	SECTOR 19 *	SECTOR 20 *	SECTOR 21 *	SECTOR 22 *	SECTOR 23 *	SECTOR 24 *
151 PERSONAL SER	.00020708	.00016967	.00012001	.00052230	.00016479	.00062576	.00019024	.00025718
152 ADVERTISING	.00036065	.00034804	.00025685	.00127184	.00031594	.00060971	.00072337	.00058218
153 DUPL, ADDRESS	.00014316	.00025837	.00011578	.00038021	.00012822	.00025954	.00021016	.00024604
154 PRI EKPL AGE	.00035826	.00006882	.00006179	.00019303	.00018346	.00055514	.00012603	.00019522
155 PHOTO SERVIC	.00042846	.00015759	.00014330	.00042295	.00032275	.00106293	.00029264	.00040706
156 RESRCH, DEVEL	.00008297	.00001797	.00002304	.00004102	.00008559	.00007704	.00036669	.00048451
157 OTHER BUS SE	.00383596	.00373441	.00362887	.00838044	.00293253	.18021982	.00376192	.03494727
158 MTN PCT, AM, R	.00012193	.00010477	.00005854	.00022708	.00012142	.00015489	.00010942	.00013383
159 AUTO RENT SE	.00085912	.00101105	.00056151	.00250742	.00084731	.00145769	.00181462	.00105893
160 AUTO PARKING	.00002685	.00000651	.00000456	.00001769	.00001601	.00001754	.00001381	.00001466
161 ELEC REP SHP	.00619369	.00025288	.00018827	.00100917	.00020001	.00056898	.00042292	.00021709
162 MISC REP SER	.00419001	.00744465	.01009715	.04032568	.00099686	.00163524	.00244654	.00165989
163 PHYS, DENT SE	.00020407	.00021430	.00011813	.00086887	.00007710	.00011091	.00012753	.00012448
164 HOSP, LAB SER	.00023981	.00008544	.00005877	.00021053	.00012100	.00033291	.00014988	.00020108
165 OTH MED SERV	.00000308	.00000273	.00000193	.00000675	.00000561	.00001229	.00000656	.00000699
166 ED (PUB, PRI)	.00923806	.04373224	.01723931	.02894214	.01791871	.00531000	.00792163	.00686819
167 COLL, UNIV	.00306025	.01815553	.00789344	.01340511	.01648131	.00185748	.00480053	.00396292
168 OTH ED SERV	.00001014	.00000444	.00000285	.00000865	.00000967	.00000977	.00000529	.00000536
169 ENG, ARCH SER	.00130223	.00450596	.00215641	.00395294	.02715977	.00490348	.00210133	.03691100
170 COMPU, ACCT SERV	.00886747	.00330394	.00203306	.01122419	.00762873	.00485756	.00419584	.00376717
171 OTH PROF SER	.00006771	.00004073	.00001746	.00004586	.00003140	.00009760	.00005321	.00003357
172 OTHER SERVIC	.00162192	.00217061	.00123238	.00605752	.00280215	.00222830	.00330379	.00257535
173 ORD, ORD ACCS	.00000067	.00000043	.00000065	.00000093	.00000514	.00000153	.00000694	.00001006
174 OUTDOOR REC	.00024597	.00188070	.00093523	.00144560	.00176336	.00022923	.00051637	.00043977
175 SCRAP	.00010581	.00002526	.00003042	.00006301	.00016641	.00020497	.00070956	.00052091
TOTAL DIRECT/IND REQ	1.70335314	1.42826586	1.50075605	1.49875546	1.56547122	1.62420040	1.67364581	1.62234387

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 25 *	SECTOR 26 *	SECTOR 27 *	SECTOR 28 *	SECTOR 29 *	SECTOR 30 *	SECTOR 31 *	SECTOR 32 *
1 IRR COTTON	.00010714	.00010577	.00041165	.00173514	.00055903	.00025016	.00926516	.00040150
2 IRR FOOD GRAIN	.00008341	.00006876	.00446468	.00162567	.00089578	.18968564	.00832643	.01619446
3 IRR FEED GRAIN	.00007072	.00005843	.02838371	.00291393	.01028189	.00303706	.01568023	.00057834
4 OTHER IRR CROP	.00018556	.00016455	.00429225	.00270385	.00560213	.00065238	.01353701	.00100938
5 DRYLAND COTTON	.00004455	.00004151	.00021827	.00067047	.00030207	.00015176	.00351741	.00029656
6 DRY FOOD GRAIN	.00006230	.00004568	.00349582	.00155253	.00057337	.06403324	.00829788	.00547462
7 DRY FEED GRAIN	.00008450	.00006915	.01090847	.00783670	.02840495	.07956463	.04274697	.00711088
8 OTHER DRY CROP	.00005275	.00004130	.01204219	.00121633	.02056194	.00020891	.00627664	.00053505
9 RANGE LIVESTOCK	.00030081	.00025008	.22504931	.00422884	.00138495	.00083076	.02117065	.00149209
10 FEEDLOT LVSTK	.00047886	.00039787	.22848799	.00177900	.00143868	.00129202	.00678710	.00188098
11 DAIRY	.00015882	.00012104	.01153825	.00031266	.37048867	.00034055	.00083492	.00355563
12 POULTRY, EGGS	.00012950	.00010556	.00298094	.55327143	.00141110	.00108276	.01592789	.00023682
13 AG SUP EX FMC	.00009107	.00007658	.01638516	.04879982	.03170706	.01594602	.00695921	.00185432
14 COTTON GINNING	.00001815	.00001784	.00021373	.00028620	.00012444	.00004988	.00149084	.00008313
15 AGRY SERVICES	.00158525	.00113397	.01286734	.06316681	.02225081	.02559340	.00847049	.00258927
16 PRIM FORESTRY	.00080154	.00493916	.00065564	.00118250	.00062120	.00057793	.00041858	.00135279
17 FISHERIES	.00004305	.00003348	.00459892	.00014370	.00036461	.00015784	.00020014	.00012305
18 CRUDE PETRO	.01778625	.00950395	.01874245	.01456222	.02518134	.02822303	.01770007	.01628133
19 NATRL GAS LQDS.	.00110373	.00054787	.00145928	.00079655	.00161736	.00147685	.00130114	.00121684
20 OIL, GAS FLDSV	.00397271	.00201068	.00412604	.00309161	.00546843	.00598216	.00386367	.00347235
21 LIGNITE, OTH MINE	.08804048	.00852582	.00147224	.00162751	.00221108	.00275316	.00156757	.00123466
22 RES CONSTRUCT	.00000089	0.	0.	0.	0.	0.	0.	0.
23 COMM, ED, INST	.00098190	.00038079	.00000362	.00000474	.00000366	.00000387	.00000326	.00000408
24 INDUS CONS	.00000349	.00000254	.00000002	.00000003	.00000002	.00000003	.00000002	.00000003
25 FACILITY CONS	1.00072747	.00150486	.00001433	.00001875	.00001450	.00001530	.00001291	.00001614
26 MAINTEN, REPR	.00835682	1.00597947	.00957540	.01252727	.00967683	.01021205	.00860937	.01077481
27 MEAT PRODUCTS	.00044570	.00034869	1.12486619	.00617085	.00161806	.00130349	.02826942	.00553098
28 POULTRY PROD	.00003602	.00002470	.00401611	1.01248182	.00085769	.00005651	.02849731	.00005136
29 DAIRIES	.00017323	.00011630	.00042438	.00022945	1.01143262	.00024386	.00025511	.00913938
30 OTH GRAIN MIL	.00011075	.00009354	.00144209	.00707577	.00338935	1.00054429	.03747627	.08433108
31 ANIMAL FEEDS	.00009464	.00007735	.02069048	.19216513	.03031436	.00049959	1.06207796	.00051351
32 BAKERY PROD	.00007544	.00005260	.00018631	.00008197	.00014752	.00007305	.00009543	1.03786154
33 CNND, PSVP, PCK	.00020380	.00014467	.00619456	.00105142	.00379012	.00114504	.00048214	.00077332
34 OTH FOOD PROD	.00017998	.00013231	.00782709	.00701331	.01509428	.00803922	.03530199	.02700568
35 BEVERAGES	.00017468	.00017415	.00032136	.00049664	.00087989	.00081399	.00117340	.00073592
36 TEXTILE MILL	.00052187	.00057274	.00071763	.00487572	.00096997	.00044415	.02631950	.00018297
37 MBWMC FURN	.00005927	.00004241	.00005232	.00003818	.00004458	.00003509	.00006207	.00006532
38 RELATED APPRL	.00002213	.00002184	.00007372	.00008296	.00006998	.00865291	.00034865	.00074800
39 LOGGING	.00047192	.00262680	.00054605	.00069255	.00050979	.00045641	.00034261	.00118217
40 LUMBER MILLS	.00091905	.00365889	.00023383	.00074764	.00019878	.00018428	.00014338	.00039343
41 MILLWORK, WOOD	.00331585	.02363367	.00172397	.00524707	.00153601	.00165652	.00120509	.00115456
42 WOOD FURN, FIX	.00090959	.00454506	.00013914	.00015492	.00015439	.00013874	.00012978	.00012941
43 MET FURN, FIXT	.00025108	.00036437	.00004824	.00006602	.00007545	.00006743	.00004663	.00004043
44 PAPER, PAP MIL	.00081713	.00585423	.00275489	.00171174	.00212207	.00220684	.00094234	.02055710
45 PAP EX BOX, CT	.00067086	.00085608	.00158580	.00323446	.00197714	.01158222	.00162325	.00783051
46 BOXES, PAP CNT	.00069998	.00126431	.01401189	.000769158	.01735365	.00506878	.00175300	.14319494
47 NEWSPAPERS	.00095655	.00079604	.00105440	.00096076	.00213767	.00082617	.00118760	.00128835
48 PUBLISHING	.00018078	.00022681	.00018651	.00017101	.00023984	.00041763	.00027994	.00026301
49 PRINTING	.00098524	.00077323	.00088781	.00090110	.00126817	.00216798	.00108369	.00174473
50 MANFLD BUS FM	.00037628	.00030951	.00019942	.00020560	.00023874	.00031791	.00027512	.00026914

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 25 *	SECTOR 26 *	SECTOR 27 *	SECTOR 28 *	SECTOR 29 *	SECTOR 30 *	SECTOR 31 *	SECTOR 32 *
51 OTH PNT,PUBS	.00012395	.00014915	.00012924	.00011312	.00012924	.00016656	.00012295	.00016457
52 CHLOR,ALKALIE	.00098898	.00129450	.00079721	.00134301	.00106678	.00135351	.00327026	.00103440
53 CYCCRD INT,IG	.00095419	.00189595	.00086942	.00060933	.00115333	.00096039	.00076061	.00144145
54 ORG CHEM	.00573756	.00409295	.00533932	.00344071	.00706566	.00583786	.00475999	.00801009
55 INORG CHEM	.00087777	.00067245	.00334034	.00400161	.00481106	.00745979	.00490203	.00484937
56 FIBERS,PLASTI	.00198111	.00153662	.00081052	.00050191	.00260359	.00084066	.00069274	.00156007
57 SYN RUBBER	.00020534	.00020917	.00017720	.00017717	.00018850	.00017787	.00026602	.00019363
58 DRUGS	.00002365	.00001325	.00005479	.00016703	.00004398	.00001397	.00087687	.00004059
59 AGR CHEMICAL	.00066879	.00047488	.01297925	.01671619	.01982226	.03633896	.01268483	.00362923
60 SPS,CLMS,TOIL	.00026905	.00013429	.00040491	.00034185	.00128564	.00024001	.00019940	.00029659
61 PAINT,VARNISH	.00183366	.01023328	.00031668	.00030632	.00035794	.00028559	.00024338	.00099548
62 OTH CHEMICALS	.00313149	.00249047	.00080047	.00058399	.00155629	.00085029	.00061583	.00136134
63 PETRO REFINING	.04878619	.01395761	.02942162	.02024468	.04510528	.04219882	.02967204	.02477827
64 OTH PETRO PRD	.02955049	.00523539	.00012425	.00014669	.00017123	.00016526	.00013123	.00014065
65 TIRES	.00111369	.00062987	.00071870	.00080036	.00078320	.00076772	.00070246	.00051289
66 FAB RUBBER PR	.00041378	.00163488	.00014492	.00009531	.00013660	.00013487	.00011680	.00011737
67 PLASTIC PRODS	.00305129	.00189999	.00082756	.00069350	.01192418	.00076625	.00088994	.00249791
68 LEATHER,L PRD	.00078510	.00049184	.00006930	.00007035	.00007399	.00021038	.00018070	.00008343
69 GLASS	.00050021	.00215478	.00058410	.00022444	.00060491	.00032558	.00031252	.00046868
70 CLAY	.00261625	.00869098	.00009790	.00013447	.00010156	.00010678	.00008452	.00010307
71 CUT ST,CL,SH	.00665706	.00969918	.00037511	.00051829	.00044167	.00037864	.00007686	.00046841
72 CEMENT,CONCRT	.04175596	.03125876	.00043267	.00048616	.00045546	.00044865	.00039280	.00054407
73 BLAST FURNACE	.06058620	.00793116	.00049462	.00042713	.00057542	.00060195	.00083150	.00069106
74 PRI STEEL,IRO	.01011093	.00228680	.00020124	.00015396	.00027486	.00017558	.00017213	.00031222
75 FOUNDRIES	.00136935	.00165776	.00031378	.00025466	.00039890	.00034255	.00027975	.00052936
76 NONFER SMELTG	.00092428	.00109255	.00097983	.00091010	.00126133	.00181620	.00088464	.00096243
77 AL SMLT ROL DR	.00613389	.01476343	.00081088	.00061269	.00091694	.00114180	.00069495	.00124181
78 CAST,FRGINGS	.00023445	.00030934	.00008058	.00006029	.00008912	.00009766	.00007027	.00012662
79 FABRI STEEL	.00422051	.00398087	.00023269	.00015712	.00022446	.00021775	.00018271	.00033693
80 PLATE WOKK	.00095442	.00121204	.00010298	.00007819	.00010587	.00010325	.00011736	.00015290
81 SH MET,ARCH	.00640330	.03240161	.00087591	.00062831	.00066701	.00064411	.00060387	.00090572
82 METAL DOORS	.00110502	.00088495	.00001947	.00001935	.00002061	.00001888	.00001583	.00001867
83 FAB MET PROD	.00221196	.00320405	.00087050	.00131287	.00101153	.00086196	.00074052	.00130341
84 PLUMBING	.00123556	.00433480	.00009109	.00010294	.00012081	.00009468	.00010113	.00010632
85 BOLTS,NUTS,SC	.00118961	.00166106	.00035608	.00029537	.00038982	.00078119	.00033614	.00055054
86 ELCTPLT,CT,EN	.00071661	.00120655	.00013583	.00009772	.00013212	.00011452	.00011807	.00017015
87 VALVE,PIPE FT	.00887058	.00406913	.00070145	.00096010	.00089691	.00095217	.00061070	.00077230
88 OTH FAB MET P	.00035518	.00042683	.00056192	.00029172	.00040409	.00021883	.00016565	.00020305
89 FM,CONS,IND M	.00292381	.00642610	.00088312	.00153085	.00100577	.00201847	.00071417	.00033734
90 MTL HDL MC,EQ	.00069202	.00015162	.00008963	.00038578	.00011355	.00007685	.00049429	.00028981
91 MIN MACH,EQU	.00274957	.00060127	.00033419	.00023525	.00039699	.00041597	.00029507	.00025264
92 ENGINES	.00113110	.00055297	.00015701	.00014767	.00022587	.00025861	.00015683	.00014748
93 METAL WK MACH	.00035275	.00078500	.00009658	.00006779	.00010651	.00012248	.00008657	.00008073
94 IND PROC MACH	.00019160	.00028616	.00051354	.00040197	.00215078	.00030604	.00085936	.00278009
95 GEN IND MACH	.00181662	.00132488	.00075466	.00068986	.00093555	.00096692	.00084510	.00065556
96 REFRIG,MACH	.00150744	.00215681	.00006802	.00006482	.00010748	.00007090	.00006759	.00008496
97 COMPU,ACCT MACH	.00515416	.00887273	.00071196	.00042804	.00062052	.00066364	.00051318	.00088376
98 ELEC INST,AP	.00390370	.04350791	.00068824	.00074436	.00069946	.00075624	.00059528	.00079374
99 ELEC HSLD EQ	.00032024	.00015070	.00006555	.00008735	.00007730	.00005361	.00011970	.00007863
100 ELEC COMM EQ	.00060858	.00102289	.00037447	.00027135	.00047212	.00059313	.00033158	.00046537

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 25 *	* SECTOR 26 *	* SECTOR 27 *	* SECTOR 28 *	* SECTOR 29 *	* SECTOR 30 *	* SECTOR 31 *	* SECTOR 32 *
101 OTH ELEC APP	.00039611	.00015906	.00029432	.00024141	.00034810	.00032833	.00028984	.00033511
102 AIRCRAFT	.00000489	.00000365	.00000977	.00000264	.00001000	.00000886	.00000299	.00000421
103 AIRCRAFT ENG	.00000155	.00000114	.00001257	.00000595	.00002100	.00002415	.00000801	.00000247
104 OTH AIRCRAFT	.00001670	.00001351	.00001327	.00000951	.00001277	.00001296	.00001005	.00001458
105 MOTOR VHCL,P	.00201646	.00231146	.00173633	.00159302	.00193111	.00352011	.00163069	.00143383
106 SHIP,BT BLDG	.00015977	.00005576	.00027834	.00008801	.00016874	.00022006	.00008597	.00006977
107 OTH TRANS EQ	.00011131	.00005041	.00004282	.00003841	.00005466	.00008232	.00004585	.00000678
108 SCIENTIF INS	.00003192	.00002205	.00002522	.00002580	.00003775	.00003354	.00001873	.00002973
109 MECH MSRG DV	.00042180	.00064380	.00006524	.00004865	.00008071	.00007376	.00005998	.00007446
110 MEDICAL INST	.00017542	.00012856	.00011719	.00015064	.00017396	.00015332	.00012728	.00013521
111 PHO,TH,OPT I	.00013387	.00009357	.00007360	.00007487	.00010900	.00008833	.00007420	.00011363
112 GAMES,TOYS	.00005450	.00003918	.00000720	.00000958	.00001166	.00000677	.00000588	.00000649
113 OTH MFG IND	.00060109	.00074568	.00193539	.00035598	.00045822	.00029430	.00035978	.00235270
114 RAIL TRANS	.01090878	.00615447	.00295016	.00648142	.00581529	.01409696	.00486614	.00569946
115 INTERCTY HGY	.00007616	.00005829	.00002664	.00004916	.00004966	.00039422	.00005312	.00007437
116 MOTOR FRT STR	.02549425	.01405365	.02713753	.02593271	.02406400	.02285239	.02295269	.01479890
117 WATER TRANS	.00535056	.00176282	.00239483	.00193225	.00422675	.00735726	.00241977	.00185844
118 AIR TRANS	.00196367	.00159865	.00088627	.00090520	.00145430	.00157590	.00124708	.00197575
119 PIPELINE TRN	.00169964	.00085797	.00085948	.00079938	.00306500	.00110187	.00099799	.00089437
120 LOC,SUB TRAN	.00000504	.00000417	.00000366	.00000455	.00000499	.00000445	.00001269	.00000531
121 OTH TRAN SER	.00054172	.00039818	.00148272	.01325438	.00220334	.00457157	.03365831	.00304114
122 TELEP,TELEGR	.00678287	.00520141	.00491352	.00544492	.00696195	.00511333	.00522719	.00644318
123 RADIO, TV	.00058131	.00044826	.00550009	.00095139	.00331687	.00323958	.00174186	.00640924
124 OTH COMMUNIC	.00152390	.00071001	.00006884	.00004430	.00008539	.00005807	.00004363	.00008797
125 GAS SERVICES	.01363918	.01005649	.01423472	.01596287	.02246598	.03088421	.01516465	.01619534
126 ELEC SERVICES	.01480942	.01034208	.01277105	.01911053	.02844587	.02342145	.01726942	.01790263
127 WATER,SANI SERV	.00413689	.00217461	.00283976	.00510384	.00394553	.00202679	.00529337	.00448376
128 WHL AUT PT,S	.00353429	.00128687	.00102098	.00132476	.00240552	.00164194	.00201882	.00114604
129 WHL GRO,RELP	.00077936	.00043512	.02449035	.04774634	.05854978	.00051493	.01164914	.01780203
130 WHL FM PROD	.00046246	.00033467	.01421818	.00885344	.01536657	.06233546	.01453479	.01041125
131 WHL LIVESTOC	.00002333	.00001821	.00829994	.00040938	.00013449	.00003316	.00105688	.00009540
132 WHL MAC,EQ,S	.00683350	.00493424	.00332880	.00372884	.00649896	.00407838	.00289023	.00429213
133 WHL PET,PETP	.01109787	.00390518	.00404965	.00783317	.00870500	.00579443	.00520925	.00484359
134 GEN WHL	.02932213	.03991395	.01208110	.01264281	.02432765	.01434495	.01553455	.03817502
135 LUMBER YARDS	.00223553	.00299980	.00061463	.00122213	.00067535	.00023860	.00079092	.00125513
136 FARM EQ DEAL	.00029958	.00020100	.00053935	.00114299	.00070890	.00105530	.00050837	.00042835
137 HDW,HT,E,P,W	.00132984	.00143765	.00012350	.00015836	.00014927	.00009779	.00006910	.00025387
138 DEPT,VAR STO	.00278182	.00137642	.00082061	.00088112	.00045531	.00025407	.00332498	.00716892
139 FOOD STORES	.00019021	.00012107	.00504775	.00300488	.00444886	.00015418	.00278270	.00674416
140 AUTO DEAL,RP	.00740159	.00472712	.00376569	.00446116	.01036444	.00477355	.01116310	.00793856
141 GAS SER STAT	.00429201	.00152280	.00102858	.00072190	.00239342	.00145230	.00088914	.00210793
142 APPRL ACC ST	.00000964	.00001248	.00007893	.00046905	.00008549	.00001417	.00248525	.00027910
143 FURN,HM F,EQ	.00051918	.00053181	.00008166	.00016627	.00006716	.00005238	.00038324	.00036031
144 EAT,DRINK PL	.00120471	.00108872	.01446084	.00194569	.00321903	.00072201	.00517020	.00507646
145 OTHER RETAIL	.00183587	.00186992	.00126088	.00077948	.00078042	.00063037	.00097795	.00817483
146 BANK,CRD AGE	.04743102	.02172696	.03323241	.03790526	.03126037	.02595135	.02929134	.01382830
147 INSURANCE CA	.02838337	.01756928	.01639842	.01409993	.01443519	.01324405	.01606496	.01210406
148 F.I.R.E. NEC	.04069511	.02536749	.01361461	.01519824	.02071311	.01393064	.01498315	.01900117
149 LEGAL SERVIC	.00487414	.00505265	.00264272	.00272890	.00354793	.00277139	.00387015	.00281043
150 LODGING SERV	.00134050	.00141960	.00072840	.00074878	.00123281	.00093829	.00106038	.00154345

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 25 *	SECTOR 26 *	SECTOR 27 *	SECTOR 28 *	SECTOR 29 *	SECTOR 30 *	SECTOR 31 *	SECTOR 32 *
151 PERSONAL SER	.00024590	.00025575	.00078040	.00019216	.00049364	.00015161	.00017797	.00027669
152 ADVERTISING	.00065551	.00095892	.00063611	.00060123	.00184701	.00605551	.00114613	.00266450
153 DUPL, ADDRESS	.00020926	.00013186	.00010644	.00010808	.00015678	.00022636	.00013375	.00016209
154 PRI EMPL AGE	.00018612	.00013461	.00008897	.00009433	.00020235	.00008951	.00009953	.00010983
155 PHOTO SERVIC	.00044391	.00030009	.00025059	.00025481	.00055435	.00045946	.00031951	.00035872
156 RESRCH,DEVEL	.00032863	.00025818	.00016460	.00011893	.00036358	.00006809	.00024698	.00012780
157 OTHER BUS SE	.01570943	.01000400	.00285982	.00468571	.00440323	.00400932	.00436512	.00530657
158 MTN PCT,AM,R	.00012028	.00009874	.00050558	.00011364	.00018473	.00009249	.00022586	.00034477
159 AUTO RENT SE	.00340012	.00235075	.00111886	.00111635	.00191141	.01464862	.00177092	.00819994
160 AUTO PARKING	.00002105	.00001146	.00001318	.00001393	.00001291	.00001124	.00001300	.00000903
161 ELEC REP SHP	.00022526	.00020872	.00087632	.00063820	.00223573	.00199538	.00081850	.00060750
162 MISC REP SER	.00409028	.00250113	.00289074	.00591580	.00328656	.00287108	.01689870	.00895186
163 PHYS,DENT SE	.00012688	.00008592	.00007516	.00006256	.00010981	.00006735	.00007854	.00009305
164 HOSP,LAB SER	.00017089	.00011739	.00024702	.00008869	.00017922	.00011215	.00011765	.00020788
165 OTH MED SERV	.00000698	.00000550	.00024536	.00000351	.00003381	.00000356	.00000883	.00000495
166 ED(PUB,PRI)	.00926613	.00616802	.00793281	.01165025	.01247821	.01205753	.00657371	.00539093
167 COLL,UNIV	.00459271	.00308060	.00271276	.00419877	.00481870	.00435296	.00269563	.00209546
168 OTH ED SERV	.00000753	.00000627	.00000785	.00000650	.00001004	.00001649	.00000800	.00004784
169 ENG,ARCH SER	.00801400	.00240590	.00082849	.00094289	.00204946	.00136030	.00094381	.00098950
170 COMPU,ACCT SERV	.00600314	.00523430	.00355736	.00346321	.00384624	.00306614	.00349276	.00782071
171 OTH PROF SER	.00004434	.00010245	.00034081	.00004210	.00004793	.00004166	.00003707	.00004474
172 OTHER SERVIC	.00289891	.00303683	.00107840	.00113752	.00269487	.00115517	.00113094	.00107291
173 ORD,ORD ACCS	.00000324	.00000392	.00000074	.00000060	.00000094	.00000081	.00000066	.00000125
174 OUTDOOR REC	.00049501	.00032518	.00018982	.00018662	.00032116	.00031064	.00022319	.00022224
175 SCRAP	.00040117	.00028869	.00012791	.00014457	.00060326	.00017058	.00015501	.00016373
TOTAL DIRECT/IND REQ	1.76410506	1.56292826	2.13319979	2.34536511	2.11583559	1.92354039	1.80775352	1.78690893

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 33 *	SECTOR 34 *	SECTOR 35 *	SECTOR 36 *	SECTOR 37 *	SECTOR 38 *	SECTOR 39 *	SECTOR 40 *
1 IRR COTTON	.00024492	.01169508	.00128157	.13116185	.00410457	.00137119	.00002462	.00001777
2 IRR FOOD GRAIN	.00447850	.00590553	.00103640	.00033221	.00008304	.00012038	.00003854	.00002829
3 IRR FEED GRAIN	.00038669	.00034038	.00030103	.00046085	.00008235	.00009731	.00005116	.00003724
4 OTHER IRR CROP	.14680972	.01270096	.00185939	.00018626	.00012502	.00016758	.00132378	.00014446
5 DRYLAND COTTON	.00014142	.00933852	.00099068	.03769636	.00119194	.00041566	.00001226	.00000909
6 DRY FOOD GRAIN	.00157303	.00029384	.00075743	.00026204	.00004260	.00006193	.00002110	.00001725
7 DRY FEED GRAIN	.00219151	.00109171	.00139273	.00041430	.00008882	.00012424	.00005000	.00004011
8 OTHER DRY CROP	.02719651	.00809329	.00095230	.00086280	.00007343	.00007756	.00003417	.00002502
9 RANGE LIVESTOCK	.00144842	.00192238	.00110864	.01709173	.00080864	.00057073	.00023658	.00015727
10 FEEDLOT LVSTK	.00213449	.00219640	.00180088	.00167548	.00052048	.00070998	.00034588	.00022342
11 DAIRY	.00068580	.00108950	.00048305	.00039044	.00015603	.00019448	.00011609	.00007404
12 POULTRY,EGGS	.00066854	.00021097	.00019404	.00034826	.00007246	.00009319	.00003648	.00002566
13 AG SUP EX FMC	.00739146	.00222913	.00047132	.00620239	.00024980	.00014801	.00010325	.00006541
14 COTTON GINNING	.00006314	.00245685	.00026650	.01960574	.00061532	.00020856	.00001029	.00001311
15 AGRY SERVICES	.01136649	.00286460	.00056019	.00815860	.00031079	.00016781	.00016367	.00008112
16 PRIM FORESTRY	.00123882	.00030219	.00154584	.00031473	.00027952	.00797353	.07765123	.13263028
17 FISHERIES	.07580674	.00010124	.00017488	.00002327	.00003909	.00005300	.00002547	.00001426
18 CRUDE PETRO	.02898007	.01035445	.02193012	.01906949	.00881941	.01255762	.00598530	.00709900
19 NATRL GAS LQDS.	.00184617	.00069901	.00146924	.00052996	.00042631	.00077920	.00041570	.00028394
20 OIL,GAS FLDSV	.00615856	.00215742	.00463821	.00379175	.00180750	.00266365	.00128984	.00143884
21 LIGNITE,OTH MINE	.00242834	.00071823	.00155638	.00214249	.00060899	.00093596	.00070540	.00090953
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00000658	.00000171	.00000318	.00000330	.00000145	.00000224	.00001482	.00001403
24 INDUS CONS	.00000004	.00000001	.00000002	.00000002	.00000001	.00000001	.00000010	.00000009
25 FACILITY CONS	.00002602	.00000678	.00003885	.00001304	.00000572	.00000885	.00005855	.00005544
26 MAINTEN,REPR	.01737950	.00452261	.00833055	.00871553	.00382238	.00591028	.03913900	.03705911
27 MEAT PRODUCTS	.00278100	.00811164	.00204353	.00038538	.00036884	.00032731	.00048283	.00020846
28 POULTRY PROD	.00012786	.00004854	.00005906	.00006822	.00003295	.00002733	.00001964	.00001249
29 DAIRIES	.00079642	.00240940	.00049796	.00018208	.00015131	.00011779	.00012579	.00005871
30 OTH GRAIN MIL	.02227084	.01067861	.00252348	.00007261	.00008119	.00012069	.00007376	.00004986
31 ANIMAL FEEDS	.00048489	.00037306	.00024160	.00107326	.00010240	.00010028	.00005571	.00004868
32 BAKERY PROD	.00007551	.00007600	.00016786	.00006941	.00006092	.00004936	.00007751	.00003082
33 CNND,PSVP,PCK	1.00033602	.00044275	.00117065	.00019599	.00017381	.00013834	.00018918	.00008206
34 OTH FOOD PROD	.00369203	1.01094028	.09916692	.00032070	.00013867	.00015232	.00011581	.00007734
35 BEVERAGES	.00071095	.00039657	1.02981057	.00013832	.00012428	.00016080	.00010764	.00005745
36 TEXTILE MILL	.00037722	.00012728	.00018872	1.04165304	.03229388	.01039870	.00007360	.00004653
37 MBWMC FURN	.00005688	.00001616	.00005113	.00003316	1.00214510	.00016763	.00012999	.00003925
38 RELATED APPRL	.00078265	.00012520	.00015347	.00000778	.00041341	1.00578289	.00002529	.00001572
39 LOGGING	.00103396	.00026435	.00101628	.00018225	.00025975	.00403011	1.42273324	.07483390
40 LUMBER MILLS	.00034732	.00009264	.00028649	.00011967	.00010283	.00074838	.00018590	1.03920571
41 MILLWORK,WOOD	.00238769	.00053198	.00622437	.00145829	.00093528	.04412331	.00140896	.00954099
42 WOOD FURN,FIX	.00018647	.00005263	.00015285	.00010424	.00010890	.00016807	.00037323	.00023983
43 MET FURN,FIXT	.00007118	.00002028	.00011348	.00005350	.00004002	.00004431	.00005323	.00003458
44 PAPER,PAP MIL	.01105430	.00234213	.00483523	.00055736	.00085852	.00099519	.00069624	.00091439
45 PAP EX BOX,CT	.00239007	.00548248	.00134279	.00267581	.00056034	.00336734	.00026755	.00017635
46 BOXES,PAP CNT	.03504417	.00830729	.01956800	.00041799	.00233878	.00073497	.00036225	.00340141
47 NEWSPAPERS	.00090292	.00022468	.00158256	.00033565	.00065172	.00069906	.00221548	.00076800
48 PUBLISHING	.00080718	.00006691	.00151920	.00137965	.00329601	.00104796	.00019186	.00025463
49 PRINTING	.00136647	.00040107	.00495294	.00071265	.00122873	.00087045	.00127363	.00073304
50 MANFLD BUS FM	.00021549	.00006752	.00024122	.00013048	.00009572	.00017032	.00019183	.00011430

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 33 *	SECTOR 34 *	SECTOR 35 *	SECTOR 36 *	SECTOR 37 *	SECTOR 38 *	SECTOR 39 *	SECTOR 40 *
51 OTH PRNT,PUBS	.00016646	.00006118	.00035570	.00057007	.00028831	.00020316	.00016483	.00008321
52 CHLOR,ALKALIE	.00154558	.00034096	.00383929	.00091518	.00020979	.00089060	.00021701	.00017849
53 CYCCRD INT,IG	.00130850	.00041860	.00186619	.00066304	.00029848	.00122076	.00034005	.00024650
54 ORG CHEM	.00711167	.00243731	.00858792	.00677332	.00176889	.00655369	.00176548	.00130054
55 INORG CHEM	.00497830	.00142082	.00165173	.00319755	.00038484	.00065323	.00027278	.00026757
56 FIBERS,PLASTI	.00204841	.00055783	.00433733	.00033150	.00049084	.01413821	.00032237	.00025080
57 SYN RUBBER	.00020555	.00006618	.00026521	.00426939	.00018228	.00013148	.00010241	.00004947
58 DRUGS	.00125698	.00000776	.00003727	.00001133	.00006192	.00001390	.00003241	.00000786
59 AGRI CHEMICAL	.01788597	.00506272	.00096347	.01528300	.00062107	.00030490	.00028606	.00013997
60 SPS,CLNS,TOIL	.00026132	.00016103	.00046521	.00024793	.00015790	.00015192	.00007235	.00004456
61 PAINT+VARNISH	.00116015	.00015957	.00305581	.00017452	.00015002	.00019504	.00053154	.00044725
62 OTH CHEMICALS	.00179282	.00064680	.00113981	.00046668	.00030404	.00142905	.00036192	.00051380
63 PETRO REFING	.03450676	.00900876	.02505514	.01772363	.00670011	.01334789	.00778848	.00559649
64 OTH PETRO PRD	.00020059	.00007245	.00015952	.00019627	.00007468	.00009324	.00023387	.00024334
65 TIRES	.00076190	.00023783	.00073291	.00030282	.00019723	.00028094	.00057670	.00024747
66 FAB RUBBER PR	.00036151	.00006370	.00263267	.00004711	.00009954	.00010223	.00009253	.00008545
67 PLASTIC PRODS	.00380298	.00165871	.00531508	.00039671	.00051004	.00106726	.00036449	.00030905
68 LEATHER,L PRO	.00022628	.00002208	.00018259	.00002311	.00044456	.00036497	.00004109	.00003436
69 GLASS	.05597131	.00178691	.05606101	.00011438	.00013773	.00016577	.00013708	.00011384
70 CLAY	.00031853	.00004793	.00024386	.00008632	.00003719	.00005704	.00034188	.00032357
71 CUT ST,CL,SH	.00054273	.00029283	.00056344	.00032895	.00023026	.00039200	.00050363	.00046313
72 CEMENT,CONCRT	.00071200	.00019950	.00048917	.00035630	.00022848	.00029266	.00127585	.00119200
73 BLAST FURNACE	.00202962	.00026833	.00088487	.00032540	.00022825	.00054198	.00041330	.00059463
74 PRI STEEL,IRO	.00069287	.00010204	.00090658	.00009449	.00012131	.00060049	.00013150	.00028069
75 FOUNDRIES	.00127880	.00014470	.00334097	.00017132	.00012841	.00043913	.00014074	.00037983
76 NONFER SMELTG	.00143168	.00040988	.00109970	.00079139	.00020638	.00148902	.00020378	.00015698
77 AL SMLT ROL DR	.00237289	.00035651	.00768305	.00042452	.00035150	.04006053	.00080138	.00071739
78 CAST,FORGINGS	.00013202	.00004504	.00025261	.00002805	.00003542	.00016663	.00003561	.00003570
79 FABRI STEEL	.00041257	.00009653	.00057120	.00011559	.00008932	.00017144	.00020299	.00017933
80 PLATE WORK	.00032594	.00004324	.00025751	.00004406	.00007079	.00017329	.00008112	.00006686
81 SH MET,ARCH	.00122570	.00029292	.00195006	.00048371	.00038055	.00073113	.00153216	.00131944
82 METAL DOORS	.00007833	.00000687	.00002473	.00001637	.00001402	.00001340	.00004325	.00003750
83 FAB MET PROD	.02785546	.00036305	.14353173	.00035230	.00035686	.00068371	.00039010	.00050926
84 PLUMBING	.00013177	.00003779	.00012403	.00007171	.00003955	.00009012	.00020223	.00017760
85 BOLTS,NUTS,SC	.00161991	.00018859	.00496465	.00017007	.00022316	.03206101	.00019355	.00018811
86 ELCTPLT,CT,EN	.00345534	.00004933	.00099056	.00005025	.00004709	.00032138	.00017649	.00007414
87 VALVE,PIPE FT	.00103695	.00033250	.00096405	.00065694	.00039972	.00048762	.00037561	.00038772
88 OTH FAB MET P	.04335896	.00008078	.00041652	.00010052	.00012175	.00016441	.00010386	.00006970
89 FM,CONS,IND M	.00082662	.00022190	.00015191	.00061500	.00007041	.00009479	.00033429	.00029462
90 MTL HDL MC,EQ	.00014168	.00003785	.00009814	.00003224	.00002566	.00006775	.00005293	.00025548
91 MIN MACH,EQUP	.00047836	.00016364	.00037100	.00023267	.00013880	.00026889	.00011005	.00011584
92 ENGINES	.00021543	.00012598	.00018419	.00007541	.00007345	.00013478	.00010515	.00012422
93 METAL WK MACH	.00037048	.00005975	.00013371	.00004302	.00004166	.00025341	.00006323	.00006611
94 IND PROC MACH	.00147016	.00028813	.00225573	.00020344	.00024085	.00026204	.00007257	.00800705
95 GEN IND MACH	.00107846	.00038539	.00084657	.00058106	.00053166	.00192118	.00050378	.00042107
96 REFRIG MACH	.00010259	.00003524	.00021979	.00004291	.00005668	.00009602	.00015280	.00011002
97 COMPU,ACCT MACH	.00087821	.00026218	.00112072	.00032115	.00022390	.001210953	.00055485	.00050495
98 ELEC INST,AP	.00106975	.00031769	.00074610	.00074142	.00044541	.00074272	.00184263	.00169801
99 ELEC HSLD EQ	.00007095	.00001795	.00007655	.00004134	.00003202	.00004816	.00008872	.00020770
100 ELEC COMM EQ	.00041445	.00015775	.00059042	.00029830	.00021690	.00033671	.00021047	.00015496

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 33 *	* SECTOR 34 *	* SECTOR 35 *	* SECTOR 36 *	* SECTOR 37 *	* SECTOR 38 *	* SECTOR 39 *	* SECTOR 40 *
101 OTH ELEC APP	.00050463	.00012061	.00034694	.00013051	.00010359	.00017459	.00011431	.00010928
102 AIRCRAFT	.00001291	.00000446	.00001043	.00000353	.00000227	.00000360	.00000275	.00000214
103 AIRCRAFT ENG	.00001078	.00000071	.00000067	.00000071	.00000030	.00000018	.00000016	.00000009
104 OTH AIRCRAFT	.00002282	.00000634	.00002243	.00001681	.00001149	.00001383	.00000885	.00000709
105 MOTOR VHCL,P	.00175869	.00060332	.00125423	.00108009	.00039655	.00062082	.00074384	.00047873
106 SHIP,BT BLDG	.00313636	.00003926	.00006507	.00003961	.00004603	.00006395	.00002232	.00003421
107 OTH TRANS EQ	.00005979	.00004220	.00006190	.00002059	.00002365	.00008680	.00012798	.00004017
108 SCIENTIF INS	.00003274	.00001155	.00005415	.00002148	.00001562	.00001703	.00001676	.00000957
109 MECH HSRG DV	.00009329	.00003280	.00007954	.00002710	.00003416	.00006081	.00004810	.00004109
110 MEDICAL INST	.00022064	.00007454	.00040434	.00013082	.00010481	.00009997	.00011493	.00005854
111 PHO,TH,OPT I	.00007932	.00003492	.00015879	.00017422	.00008380	.00009009	.00011271	.00004983
112 GAMES,TOYS	.00000631	.00000231	.00001312	.00000606	.00009761	.00000602	.00000752	.00000417
113 OTH HFG IND	.00119050	.00024890	.00127207	.00025245	.000677902	.00044244	.00036341	.00020943
114 RAIL TRANS	.00437987	.00767860	.00532240	.00290957	.00226570	.00585055	.00472889	.00714617
115 INTERCTY HGY	.00004378	.00005326	.00007919	.00002132	.00001855	.00005233	.00005212	.00005494
116 MOTOR FRT STR	.01982514	.00978532	.01236743	.00673349	.00963875	.01283267	.01286196	.00782051
117 WATER TRANS	.00247269	.00115344	.00161389	.00125473	.00147842	.00202658	.00059817	.00107138
118 AIR TRANS	.00177373	.00048149	.00209309	.00230669	.00159657	.00180221	.00112661	.00092677
119 PIPELINE TRN	.00147756	.00038930	.00140832	.00042885	.00164767	.00204084	.00060726	.00039779
120 LOC,SUB TRAN	.00000362	.00000165	.00001145	.00003274	.00001267	.00000604	.00001081	.00000394
121 OTH TRAN SER	.00050342	.00030042	.00110584	.00022573	.00224452	.00063232	.00021380	.00021215
122 TELEP,TELEGR	.00509975	.00149138	.00541538	.00400217	.00393976	.00580970	.00558918	.00359258
123 RADIO, TV	.00062778	.00050609	.01116739	.00025186	.00031854	.00100140	.00123313	.00046739
124 OTH COMMUNIC	.00005239	.00001658	.00060991	.00003412	.00003643	.00005184	.00007291	.00004645
125 GAS SERVICES	.02923587	.01177471	.02229553	.02964367	.01129960	.01344525	.00559149	.00955142
126 ELEC SERVICES	.01748692	.00770892	.02052774	.04622625	.01375777	.01515623	.00775946	.01553630
127 WATER,SANI SERV	.00454897	.00164644	.00458816	.00451473	.00235876	.00246829	.00167800	.00161029
128 WHL AUT PT,S	.00169431	.00045267	.00108381	.00048185	.00043466	.00150108	.00357689	.00530329
129 WHL GRO,RELP	.00638703	.00168736	.01625809	.00035167	.00039026	.00049301	.00121259	.00044979
130 WHL FM PROD	.00480235	.00170822	.00103388	.00692093	.00086869	.00088340	.00032811	.00025927
131 WHL LIVESTOC	.00011233	.00007310	.00005173	.00003360	.00004020	.00004927	.00000988	.00000798
132 WHL MAC,EQ,S	.01024919	.00153513	.00379949	.00284682	.00320330	.00850343	.01424685	.01814403
133 WHL PET,PETP	.00611171	.00152933	.00401496	.00277583	.00170255	.00181024	.01518755	.00250525
134 GEN WHL	.03251441	.00521428	.01532167	.00480617	.00905021	.02151008	.09052730	.05938171
135 LUMBER YARDS	.00068394	.00012805	.00062266	.00013658	.00033505	.00023317	.00592649	.00196366
136 FARM EQ DEAL	.00073939	.00014488	.00015650	.00035031	.00007067	.00009758	.00277984	.00070568
137 HDW,HT,E,P,W	.00170359	.00003716	.00012023	.00005976	.00006386	.00019333	.00312080	.00111480
138 DEPT,VAR STO	.00431340	.00025992	.00094634	.00010472	.00010207	.00066184	.00942281	.00321955
139 FOOD STORES	.00065559	.00068012	.00617733	.00006997	.00006340	.00015884	.00026998	.00015281
140 AUTO DEAL,RP	.00289115	.00090571	.00527863	.00173592	.00121014	.00209510	.01214492	.00558667
141 GAS SER STAT	.00106333	.00032280	.00100110	.00074725	.00036898	.00056625	.00403855	.00147044
142 APPRL ACC ST	.00008198	.00000993	.00004724	.00000678	.00000674	.00006556	.00000705	.00000435
143 FURN,HM F,EQ	.00076565	.00003246	.00012924	.00003186	.00003092	.00045764	.02617248	.00711991
144 EAT,DRINK PL	.00102854	.00061306	.00807903	.00063180	.00119794	.00103198	.00135184	.00079537
145 OTHER RETAIL	.00236526	.00042450	.00181200	.00059417	.00024603	.00083306	.03824030	.00263115
146 BANK,CRD AGE	.03288897	.00727695	.01709331	.01673270	.01520867	.05928052	.02538788	.01315462
147 INSURANCE CA	.01191255	.00254338	.01257898	.01213828	.00602502	.01209175	.03284447	.01932549
148 F.I.R.E. NEC	.01621014	.00484067	.03165943	.00922024	.03742573	.01678588	.02204124	.01030647
149 LEGAL SERVIC	.00366104	.00153149	.00363399	.00257064	.00322012	.00348126	.00302484	.00173975
150 LODGING SERV	.00129045	.00042669	.00139465	.00159532	.00097939	.00085460	.00120308	.00082368

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 33 *	SECTOR 34 *	SECTOR 35 *	SECTOR 36 *	SECTOR 37 *	SECTOR 38 *	SECTOR 39 *	SECTOR 40 *
151 PERSONAL SER	.00027873	.00014594	.00035843	.00011288	.00014710	.00020349	.00086192	.00064342
152 ADVERTISING	.00116155	.00235039	.03424771	.00052867	.00099194	.00080280	.00056635	.00031737
153 DUPL, ADDRESS	.00012300	.00008891	.00087403	.00009559	.00011142	.00015336	.00023024	.00009375
154 PRI EMPL AGE	.00016626	.00004307	.00014431	.00012385	.00012546	.00018511	.00012288	.00005751
155 PHOTO SERVIC	.00036349	.00016958	.00144479	.00026365	.00049052	.00048276	.00049664	.00019072
156 RESRCH, DEVEL	.00014955	.00007967	.00017767	.00128761	.00055545	.00029820	.00005143	.00004392
157 OTHER BUS SE	.00371065	.00124587	.00350734	.00178243	.00498151	.00301571	.00618600	.00187921
158 MTN PCT, AM, R	.00013676	.00003861	.00040878	.00005892	.00013665	.00082549	.00028436	.00009335
159 AUTO RENT SE	.00481125	.00071983	.00205393	.00281607	.00113481	.00119539	.00163146	.00218268
160 AUTO PARKING	.00001279	.00000298	.00001021	.00000845	.00000655	.00001840	.00001928	.00000954
161 ELEC REP SHP	.00134741	.00036352	.00032938	.00100196	.00011275	.00015137	.00155623	.00087566
162 MISC REP SER	.00462500	.00154035	.00725585	.00411063	.00239409	.00141766	.05701265	.00572756
163 PHYS, DENT SE	.00007307	.00021240	.00013040	.00005716	.00004769	.00005536	.00014222	.00007945
164 HOSP, LAB SER	.00008908	.00003711	.00024747	.00010383	.00007030	.00008012	.00024176	.00009486
165 OTH MED SERV	.00000399	.00000303	.00001836	.00000331	.00001065	.00000287	.00000489	.00000149
166 ED (PUB, PRI)	.01004702	.00350297	.01194100	.01179442	.00884035	.00698826	.00426371	.00284930
167 COLL, UNIV	.00357017	.00120761	.00684064	.00301839	.00228811	.00243583	.00175695	.00116237
168 OTH ED SERV	.00000601	.00000508	.00002889	.00000499	.00000392	.00000613	.00001077	.00001018
169 ENG, ARCH SER	.00120781	.00046468	.00156216	.00119610	.00225669	.00128762	.00073086	.00086522
170 COMPU, ACCT SERV	.00352610	.00148245	.00309375	.01417887	.00340433	.00488305	.00562294	.00242789
171 OTH PROF SER	.00004455	.00012084	.00019510	.00002027	.00002346	.00020273	.00130409	.00220653
172 OTHER SERVIC	.00109569	.00040727	.00200236	.00109450	.00252179	.00241697	.00160137	.00081580
173 ORD, ORD ACCS	.00000302	.00000034	.00000789	.00000040	.00000030	.00000104	.00000033	.00000090
174 OUTDOOR REC	.00026170	.00010372	.00072806	.00034905	.00041653	.00023204	.00020424	.00012418
175 SCRAP	.00029002	.00007683	.00032957	.00006275	.00037078	.00063609	.00008166	.00007106
TOTAL DIRECT/IND REQ	1.93652443	1.25398122	1.82584999	1.58121355	1.26138910	1.47301018	2.02688581	1.56915398

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 41 *	* SECTOR 42 *	* SECTOR 43 *	* SECTOR 44 *	* SECTOR 45 *	* SECTOR 46 *	* SECTOR 47 *	* SECTOR 48 *
1 IRR COTTON	.00019310	.00222489	.00096364	.00006284	.00007291	.00004763	.00066810	.00013861
2 IRR FOOD GRAIN	.00031765	.00171597	.00017781	.00009700	.00011949	.00007562	.00111715	.00011961
3 IRR FEED GRAIN	.00026658	.00141078	.00012726	.00008292	.00010154	.00006126	.00092048	.00013630
4 OTHER IRR CROP	.00045988	.00148110	.00019516	.00020062	.00034130	.00036468	.00098559	.00063648
5 DRYLAND COTTON	.00011049	.00093841	.00030388	.00003474	.00004224	.00002590	.00038721	.00003308
6 DRY FOOD GRAIN	.00019697	.00096423	.00004136	.00004738	.00005186	.00003884	.00047655	.00003227
7 DRY FEED GRAIN	.00032465	.00168195	.00016933	.00010065	.00011874	.00007551	.00109622	.00013241
8 OTHER DRY CROP	.00017610	.00089663	.00006334	.00005926	.00006585	.00004334	.00058245	.00006606
9 RANGE LIVESTOCK	.00101821	.00548141	.00064382	.00033145	.00039992	.00026363	.00349505	.00065284
10 FEEDLOT LVSTK	.00175438	.00961694	.00094986	.00054839	.00069856	.00044765	.00629158	.00107556
11 DAIRY	.00044803	.00231018	.00024783	.00016875	.00018028	.00011991	.00151824	.00023085
12 POULTRY,EGGS	.00022249	.00113826	.00011685	.00007725	.00008430	.00005704	.00074442	.00009197
13 AG SUP EX FMC	.00026564	.00115914	.00014854	.00057989	.00012392	.00012982	.00072998	.00013152
14 COTTON GINNING	.00004991	.00037434	.00014802	.00001548	.00001416	.00000937	.00012722	.00002088
15 AGRI SERVICES	.00024744	.00114021	.00016145	.00009827	.00010545	.00008539	.00068924	.00013554
16 PRIM FORESTRY	.18090018	.00353480	.00240702	.05056268	.00389616	.00690473	.00305100	.00126250
17 FISHERIES	.00012254	.00062242	.00006922	.00004469	.00004861	.00003390	.00040961	.00007592
18 CRUDE PETRO	.02536029	.06745658	.01464958	.03791868	.01378128	.01315483	.04600671	.01210485
19 NATRL GAS LQDS.	.00188351	.00818874	.00100118	.00063820	.00074191	.00058733	.00531199	.00080716
20 OIL,GAS FLDSV	.00538445	.01535143	.00310308	.00725378	.00266215	.00266204	.01039110	.00263261
21 LIGNITE,OTH MINE	.00149415	.004001557	.00222234	.00352516	.00091597	.00180939	.00269060	.00074045
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00000816	.00000827	.00000196	.00000820	.00000543	.00000605	.00000563	.00000334
24 INDUS CONS	.00000005	.00000006	.00000001	.00000005	.00000004	.00000004	.00000004	.00000002
25 FACILITY CONS	.00003227	.00003269	.00000775	.00003240	.00002146	.00002393	.00002228	.00001322
26 MAINTEN,REPR	.02156922	.02183564	.00517634	.02165642	.01434194	.01599206	.01488155	.00883393
27 MEAT PRODUCTS	.00044504	.00107175	.00028765	.00031228	.00028735	.00029695	.00078353	.00138890
28 POULTRY PROD	.00003314	.00010294	.00002199	.00002951	.00001754	.00001696	.00007430	.00003397
29 DAIRIES	.00013372	.00034648	.00009362	.00013587	.00008587	.00007537	.00026328	.00022353
30 OTH GRAIN MIL	.00031759	.00166102	.00017399	.00010524	.00012180	.00007937	.00108689	.00014478
31 ANIMAL FEEDS	.00027466	.00132631	.00012001	.00009037	.00009724	.00005886	.00086320	.00011193
32 BAKERY PROD	.00005291	.00008166	.00004007	.00005277	.00003583	.00003824	.00006996	.00016562
33 CNND,PSVP,PCK	.00015380	.00029153	.00011109	.00014721	.00009912	.00010575	.00023394	.00041736
34 OTH FOOD PROD	.00027647	.00103471	.00018648	.00018610	.00012475	.00010599	.00070429	.00027002
35 BEVERAGES	.00026573	.00114740	.00017657	.00013372	.00012075	.00009848	.00075966	.00019870
36 TEXTILE MILL	.00019479	.01041464	.00691266	.00008863	.00007429	.00006440	.00057086	.00061381
37 MBWMC FURN	.00005558	.00009529	.00003316	.00004540	.00004312	.00004895	.00006470	.00009077
38 RELATED APPRL	.00004729	.00015409	.00001128	.00001977	.00001230	.00001665	.00010185	.00002012
39 LOGGING	.08941859	.00298096	.00134460	.04504999	.00340004	.00611462	.00295044	.00107556
40 LUMBER MILLS	.01561636	.00398264	.00078453	.01411285	.00108624	.00194559	.00079421	.00034580
41 MILLWORK,WOOD	1.01903735	.00811559	.01181157	.00174597	.00157031	.00101474	.00189987	.00142393
42 WOOD FURN,FIX	.00021843	1.00027848	.00009587	.00017230	.00010614	.00012110	.00019591	.00024744
43 MET FURN,FIXT	.00004486	.00007367	1.00003856	.00005385	.00003068	.00003111	.00005829	.00012706
44 PAPER,PAP MIL	.00139454	.00196549	1.00063201	.00063201	.06988026	.13266857	.03498068	.01807449
45 PAP EX BOX,CT	.00066348	.00208031	.00033328	.00071718	1.04145271	.00060594	.00224017	.00208926
46 BOXES,PAP CNT	.00105289	.00313912	.01067376	.00042696	.01114410	1.00037587	.00192303	.00066399
47 NEWSPAPERS	.00137114	.00091452	.00050635	.00072206	.00069142	.00071439	1.00055678	.00168906
48 PUBLISHING	.00034854	.00059083	.00017116	.00023617	.00016561	.00015960	.00049489	1.06605704
49 PRINTING	.00114557	.00160377	.00072583	.00067130	.00059787	.00063435	.00838122	.19225555
50 MANFLD BUS FM	.00019927	.00038210	.00017731	.00014269	.00012388	.00011618	.00076449	.00070824

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 41 *	* SECTOR 42 *	* SECTOR 43 *	* SECTOR 44 *	* SECTOR 45 *	* SECTOR 46 *	* SECTOR 47 *	* SECTOR 48 *
51 OTH PRNT,PUBS	.00059986	.00026317	.00028685	.00009513	.00007434	.00007249	.00219538	.02031084
52 CHLOR,ALKALIE	.00073239	.00259280	.00076236	.00314602	.00049222	.00063817	.00166259	.00034355
53 CYCCRD INT,IG	.00143486	.00636673	.00240777	.00110497	.00155691	.00115062	.00324109	.00051482
54 ORG CHEM	.01553959	.02912752	.00557788	.00302171	.00335398	.00688567	.01726919	.00342831
55 INORG CHEM	.00266532	.00388278	.00086513	.01131187	.00229822	.02291085	.00290118	.00060667
56 FIBERS,PLASTI	.00302713	.02115025	.00148742	.00054183	.00045722	.00063537	.00309692	.00057424
57 SYN RUBBER	.00015097	.00063923	.00010751	.00010607	.00016784	.00013926	.00036747	.00005874
58 DRUGS	.00001825	.00005428	.00001080	.00000928	.00000608	.00000662	.00004100	.00005895
59 AGRICHEMICAL	.00044169	.00173998	.00027810	.00020394	.00017009	.00013147	.00113016	.00023497
60 SPS,CLNS,TOIL	.00019204	.00073758	.00011560	.00011017	.00009894	.00007978	.00052095	.00021121
61 PAINT+VARNISH	.00081890	.00426522	.01381323	.00341020	.00049767	.00550905	.00064579	.00027727
62 OTH CHEMICALS	.02403604	.00606188	.00084512	.00264139	.00759903	.00443919	.00374124	.00317835
63 PETRO REFING	.02388856	.05845242	.01392443	.01107373	.01382583	.01113229	.03879209	.02118305
64 OTH PETRO PRD	.00024736	.00031927	.00009992	.00036184	.00014482	.00016438	.00022247	.00010427
65 TIRES	.00038699	.00087431	.00027309	.00046433	.00084656	.00067295	.00041200	.00029392
66 FAB RUBBER PR	.00020042	.00078949	.00011579	.00014561	.00009230	.00009021	.00052571	.00010230
67 PLASTIC PRODS	.00688583	.02813458	.00068986	.00071031	.00039363	.00093571	.00205947	.00057975
68 LEATHER,L PRD	.00006044	.00019318	.00002269	.00003244	.00001995	.00003172	.00013268	.00048061
69 GLASS	.00039140	.00129204	.00062243	.00015248	.00014160	.00012410	.00087631	.00025582
70 CLAY	.00019953	.00027187	.00006182	.00019844	.00012839	.00014450	.00016353	.00008292
71 CUT ST,CL,SH	.00068404	.00107192	.00047483	.00014054	.00038882	.00042466	.00036518	.00034033
72 CEMENT,CONCRT	.00083887	.00136718	.00027041	.00085183	.00054416	.00057995	.00091613	.00038283
73 BLAST FURNACE	.00094342	.00224191	.02509874	.00078299	.00044311	.00075578	.00141806	.00035565
74 PRI STEEL,IRO	.00030227	.00076093	.01349043	.00032416	.00032416	.00073626	.00049524	.00017227
75 FOUNDRIES	.00065428	.00161812	.00029240	.00056116	.00031487	.00071766	.00108562	.00028853
76 NONFER SMELTG	.00080370	.00369099	.00118548	.00028593	.00031607	.00026105	.00215825	.00036647
77 AL SMLT ROL DR	.00314833	.01907782	.02786891	.00066647	.00057839	.00053805	.00281842	.00059961
78 CAST,FORGINGS	.00014781	.00046997	.00007934	.00009565	.00005418	.00005080	.00031111	.00003557
79 FABRI STEEL	.00034248	.00413664	.00065507	.00018289	.00016111	.00014692	.00090256	.00019577
80 PLATE WORK	.00021427	.00050339	.00006298	.00013039	.00007491	.00007380	.00033735	.00005901
81 SH MET,ARCH	.00134086	.00310778	.00642343	.00096960	.00068507	.00071105	.00169692	.00057063
82 METAL DOORS	.00002678	.00005173	.00001101	.00002739	.00001907	.00001975	.00003333	.00001936
83 FAB MET PROD	.00160311	.00298187	.00063660	.00073844	.00046934	.00075763	.00198131	.00058672
84 PLUMBING	.00014459	.00025514	.00004758	.00012676	.00007903	.00009093	.00019737	.00019394
85 BOLTS,NUTS,SC	.00146488	.00274234	.00762426	.00036836	.00021138	.00019479	.00157412	.00047836
86 ELCTPLT,CT,EN	.00018123	.00063352	.00013746	.00009286	.00007182	.00006750	.00036593	.00007983
87 VALVE,PIPE FT	.00084281	.00214997	.00050249	.00111807	.00046125	.00048544	.00149086	.00072076
88 OTH FAB MET P	.00033308	.00152912	.00009005	.00010039	.00008485	.00007291	.00034886	.00023561
89 FM,CONS,IND M	.00026585	.00030450	.00009980	.00024380	.00014956	.00016159	.00020582	.00011982
90 MTL HDL MC,EQ	.00021763	.00041686	.00008608	.00006897	.00006326	.00170287	.00017920	.00004405
91 MIN MACH,EQUIP	.00045092	.00165615	.00030154	.00044955	.00021201	.00020321	.00109978	.00020308
92 ENGINES	.00027674	.00079218	.00027305	.00037237	.00011257	.00013409	.00055538	.00009550
93 METAL WK MACH	.00022282	.00053388	.00054137	.00016674	.00007283	.00007134	.00035459	.00004714
94 IND PROC MACH	.00307808	.00092835	.00033019	.00082804	.00356646	.01716660	.00098185	.00264567
95 GEN IND MACH	.00091144	.00318811	.00071172	.00251329	.00139638	.00075596	.00166381	.00121772
96 REFRIG MACH	.00011472	.00021969	.00004785	.00008309	.00007346	.00007831	.00014423	.00007984
97 COMPU,ACCT MACH	.00101618	.00302133	.00046543	.00056272	.00043467	.00045504	.00202566	.00078230
98 ELEC INST,AP	.00122106	.00189172	.00062128	.00120999	.00076624	.00084904	.00121194	.00060851
99 ELEC HSLD EQ	.00024308	.00006405	.00003103	.00015609	.00003717	.00004471	.00003933	.00007295
100 ELEC COMM EQ	.00040522	.00130885	.00030921	.00033595	.00019871	.00017986	.00091407	.00080845

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 41 *	* SECTOR 42 *	* SECTOR 43 *	* SECTOR 44 *	* SECTOR 45 *	* SECTOR 46 *	* SECTOR 47 *	* SECTOR 48 *
101 OTH ELEC APP	.00036672	.00103037	.00020462	.00024456	.00022631	.00020810	.00068364	.00025226
102 AIRCRAFT	.00001446	.00006699	.00000386	.00000257	.00000308	.00000678	.00004298	.00001441
103 AIRCRAFT ENG	.00000028	.00000121	.00000017	.00000012	.00000012	.00000012	.00000074	.00000015
104 OTH AIRCRAFT	.00002113	.00006483	.00001252	.00000975	.00001227	.00003068	.00004003	.00007675
105 MOTOR VHCL,P	.00059561	.00121313	.00079710	.00072429	.00150358	.00115310	.00073962	.00072204
106 SHIP,BT BLDG	.00004683	.00012395	.00007325	.00006290	.00003422	.00003003	.00010981	.00002802
107 OTH TRANS EQ	.00009171	.00020598	.00009074	.00012649	.00003492	.00004653	.00014901	.00004689
108 SCIENTIF INS	.00002713	.00008474	.00001609	.00002033	.00001085	.00001143	.00006101	.00002570
109 MECH MSRG DV	.00020937	.00025341	.00004182	.00008291	.00008288	.00005493	.00017188	.00003802
110 MEDICAL INST	.00011594	.00023381	.00009415	.00017133	.00006253	.00006757	.00017971	.00019279
111 PHO,TH,OPT I	.00009312	.00013320	.00011672	.00006872	.00004625	.00004993	.00037100	.00247971
112 GAMES,TOYS	.00000541	.00000586	.00000420	.00000527	.00000324	.00000340	.00000546	.00001200
113 OTH MFG IND	.00041121	.00084469	.00043490	.00023240	.00019110	.00039141	.00178101	.00244839
114 RAIL TRANS	.01084864	.00596414	.01762409	.02742657	.00325736	.00469043	.00739631	.00193431
115 INTERCTY HGY	.00008151	.00004982	.00011250	.00016106	.00003044	.00003965	.00007468	.00004324
116 MOTOR FRT STR	.00980909	.02999816	.01289908	.02189931	.05851175	.04259324	.01171113	.00666432
117 WATER TRANS	.00128402	.00273465	.00234250	.00193213	.00094685	.00081280	.00278171	.00074394
118 AIR TRANS	.00172212	.00233439	.00161537	.00122636	.00172660	.00449109	.00126123	.01151827
119 PIPELINE TRN	.00121006	.00260457	.00214688	.00188371	.00095474	.00073608	.00294865	.00078221
120 LOC,SUB TRAN	.00000479	.00000688	.00000581	.00000325	.00000243	.00000234	.00000196	.00001968
121 OTH TRAN SER	.00042262	.00066449	.00059778	.00068970	.00022953	.00027328	.00068199	.00031627
122 TELEP,TELEGR	.00615074	.00629609	.00930169	.00428381	.00667581	.00577082	.00644654	.01711008
123 RADIO , TV	.00063997	.00138098	.00087953	.00053241	.00058186	.00035897	.00071377	.00214763
124 OTH COMMUNIC	.00005039	.00007549	.00002989	.00005114	.00004609	.00003247	.00006132	.00319994
125 GAS SERVICES	.01982883	.01903745	.01449840	.06609638	.01480614	.01711871	.01643926	.01014998
126 ELEC SERVICES	.01794660	.01718854	.01582374	.03814832	.01287625	.01591206	.01324961	.01360390
127 WATER,SANI SERV	.00285632	.00269851	.00459907	.03243775	.00375559	.00545690	.00327190	.00321018
128 WHL AUT PT,S	.00788957	.00257432	.00099250	.00252244	.00095548	.00095264	.00077202	.00042847
129 WHL GRO,RELP	.00122812	.00097482	.00039778	.00079686	.00235644	.00339789	.00070054	.00319962
130 WHL FM PROD	.00077624	.00155206	.00092072	.00085455	.00041743	.00043378	.00140128	.00030396
131 WHL LIVESTOC	.00004112	.00017844	.00001948	.00004313	.00001587	.00001594	.00014306	.00002406
132 WHL MAC,EQ,S	.02618731	.00633676	.02976982	.01236257	.00385584	.00730512	.00529895	.00521017
133 WHL PET,PETP	.00435389	.01056902	.00210604	.00365377	.00247408	.00375609	.00244168	.00243976
134 GEN WHL	.08414029	.02620327	.01301320	.03915849	.03716492	.03939410	.01538229	.05569478
135 LUMBER YARDS	.00238188	.00057245	.00016492	.00138147	.00074437	.00180638	.00024551	.00074359
136 FARM EQ DEAL	.00100249	.00023078	.00007476	.00074783	.00033259	.00120244	.00010868	.00022522
137 HDW,HT,E,P,W	.00147931	.00051712	.00019052	.00075510	.00024025	.00038707	.00011254	.00023807
138 DEPT,VAR STO	.00411649	.00255581	.00058512	.00234238	.00537146	.00663725	.00077012	.00668407
139 FOOD STORES	.00031783	.00028390	.00015181	.00019034	.00272269	.00319632	.00040748	.00353221
140 AUTO DEAL,RP	.00720966	.00586978	.00176994	.00276223	.00307753	.00161035	.00184690	.00221090
141 GAS SER STAT	.00130492	.00155465	.00038435	.00084965	.00081552	.00083926	.00046266	.00156387
142 APPRL ACC ST	.00000759	.00093301	.00000548	.00000424	.00017563	.00019598	.00002901	.00025734
143 FURN,HM F,EQ	.00845222	.00106108	.00015297	.00494738	.00057877	.00088040	.00026155	.00034133
144 EAT,DRINK PL	.00123280	.00123523	.00089973	.00071015	.00112084	.00122269	.00113798	.00957243
145 OTHER RETAIL	.00456734	.00186451	.00061047	.00248416	.00638624	.00796412	.00138641	.00756312
146 BANK,CRD AGE	.02317548	.02138049	.02913013	.01236615	.01227165	.01496190	.01843164	.02277022
147 INSURANCE CA	.01473515	.03087799	.00952643	.00708963	.00817078	.01011331	.00990233	.01080283
148 F.I.R.E. NEC	.01431801	.02303076	.01077032	.01581035	.01997850	.01268801	.01036694	.02719738
149 LEGAL SERVIC	.00263912	.00356888	.00258555	.00316374	.00233352	.00221433	.00311509	.00551134
150 LOGGING SERV	.00135138	.00133419	.00077149	.00080037	.00105245	.00114155	.00140338	.00617470

APPENDIX TABLE 9. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 41 *	SECTOR 42 *	SECTOR 43 *	SECTOR 44 *	SECTOR 45 *	SECTOR 46 *	SECTOR 47 *	SECTOR 48 *
151 PERSONAL SER	.0003884	.0003558	.00018034	.00039786	.00030159	.00024478	.00026596	.00072484
152 ADVERTISING	.00044330	.00071542	.00155887	.00048069	.00066607	.00036026	.00048877	.01159981
153 DUPL, ADDRESS	.00012761	.00013443	.00010879	.00012166	.00008660	.00007856	.00019087	.00065285
154 PRI ENPL AGE	.00018031	.00020336	.00018230	.00013116	.00010242	.00007481	.00019858	.00017331
155 PHOTO SERVIC	.00041163	.00046271	.00044308	.00039428	.00025329	.00021175	.00082352	.05415923
156 RESRCT, DEVEL	.00014820	.00029753	.00029352	.00024612	.00011122	.00008588	.00035756	.00004904
157 OTHER BUS SE	.00333585	.00325926	.00329411	.00435249	.00196816	.00186310	.01078583	.00401102
158 MTN PCT, AM, R	.00013192	.00010000	.00006714	.00009288	.00008149	.00009292	.00009672	.00083841
159 AUTO RENT SE	.00213330	.00308743	.00803163	.00137833	.00285214	.00234671	.00351187	.00130459
160 AUTO PARKING	.00001156	.00001454	.00001070	.00000692	.00000674	.00000801	.00000837	.00001219
161 ELEC REP SHP	.00097002	.00032816	.00064998	.00057812	.00027846	.00041086	.00024887	.00029799
162 MISC REP SER	.00555286	.00233349	.00109565	.00392838	.00149160	.00147360	.00234654	.00626281
163 PHYS, DENT SE	.00007826	.00013104	.00012780	.00005625	.00005413	.00005612	.00007462	.00008765
164 HOSP, LAB SER	.00009603	.00014847	.00008394	.00006941	.00005703	.00006441	.00010709	.00024741
165 OTH MED SER	.00000766	.00000431	.00000288	.00001208	.00001285	.00000333	.00001756	.00000813
166 ED(PUB, PRI)	.00515927	.00347276	.00218798	.00779410	.00404506	.00159052	.00751194	.00600709
167 COLL, UNIV	.00206739	.00347276	.00218798	.00312457	.00164040	.00159052	.00293609	.00258417
168 OTH ED SER	.00001470	.00000628	.00000641	.00000700	.00000447	.00000432	.00004305	.00001514
169 ENG, ARCH SER	.00141109	.00184545	.00130988	.00202076	.00094073	.00123424	.00169650	.00106972
170 COMPU, ACCT SER	.00376925	.00612570	.00837558	.00250995	.00220115	.00270416	.00247804	.01350312
171 OTH PROF SER	.00301450	.00008303	.00007033	.00085143	.00007461	.00012512	.00010050	.00061899
172 OTHER SERVIC	.00184711	.00139060	.00135601	.00104911	.00074237	.00067707	.00112227	.00361999
173 ORD, ORD ACCS	.00000154	.00000382	.00000069	.00000133	.00000074	.00000169	.00000256	.00000068
174 OUTDOOR REC	.00021658	.00035680	.00020310	.00031441	.00019218	.00017158	.00032702	.00019019
175 SCRAP	.00023181	.00061272	.00063065	.00065230	.00061097	.00017615	.000666572	.00012466
TOTAL DIRECT/IND REQ	1.80744763	1.70264038	1.42583765	1.59772864	1.45316578	1.51351814	1.45992874	1.74246263

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 49 *	* SECTOR 50 *	* SECTOR 51 *	* SECTOR 52 *	* SECTOR 53 *	* SECTOR 54 *	* SECTOR 55 *	* SECTOR 56 *
1 IRR COTTON	.00005079	.00016464	.00119038	.00004652	.00008169	.00065382	.00023628	.00022682
2 IRR FOOD GRAIN	.00006000	.00022693	.00003005	.00006776	.00012106	.00110250	.00037630	.00037845
3 IRR FEED GRAIN	.00004769	.00019174	.00005771	.00006014	.00009942	.00090845	.00030627	.00031688
4 OTHER IRR CROP	.00019205	.00024299	.00016103	.00015693	.00019113	.00112788	.00048573	.00052820
5 DRYLAND COTTON	.00002515	.00009085	.00034584	.00002504	.00004511	.00038003	.00013208	.00013117
6 DRY FOOD GRAIN	.00002956	.00010319	.00001785	.00003605	.00005455	.00047109	.00044637	.00016457
7 DRY FEED GRAIN	.00006085	.00022774	.00003916	.00007431	.00012258	.00108420	.00036505	.00037501
8 OTHER DRY CROP	.00003595	.00012308	.00003300	.00005293	.00007480	.00058031	.00019854	.00020564
9 RANGE LIVESTOCK	.00021148	.00073159	.00036663	.00027963	.00039860	.00345636	.00117752	.00122098
10 FEEDLOT LVSTK	.00035553	.00129381	.00044117	.00042897	.00066089	.00619720	.00208998	.00216274
11 DAIRY	.00009985	.00032760	.00007200	.00019969	.00023502	.00154012	.00053418	.00056152
12 POULTRY,EGGS	.00004631	.00015367	.00002936	.00007944	.00010522	.00075078	.00025737	.00026826
13 AG SUP EX FMC	.00009036	.00018836	.00009861	.00006412	.00009028	.00071844	.00026627	.00026206
14 COTTON GINNING	.00000948	.00003097	.00017979	.00000873	.00001525	.00012456	.00004431	.00004319
15 AGRI SERVICES	.00005535	.00015345	.00011568	.00006779	.00011011	.00073742	.00026613	.00026115
16 PRIM FORESTRY	.00440735	.00426540	.00061582	.00127064	.00046729	.00172079	.00077806	.00116688
17 FISHERIES	.00002786	.00008737	.00002227	.00004939	.00006233	.00041268	.00014456	.00015071
18 CRUDE PETRO	.01230909	.01675734	.00922197	.10009462	.12521989	.12886346	.02575290	.04740995
19 NATRL GAS LQDS.	.00044094	.00131916	.00058894	.01320468	.01350358	.02608258	.00203732	.00517296
20 OIL,GAS FLDSV	.00246632	.00363036	.00194260	.01954004	.02994449	.02721822	.00549544	.01008827
21 LIGNITE,OTH MINE	.00088502	.00111925	.00048351	.00877637	.00230909	.00421617	.04119999	.00770727
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00000218	.00000311	.00000244	.00000234	.00000633	.00002096	.00000283	.00000498
24 INDUS CONS	.00000001	.00000002	.00000002	.00000002	.00000006	.00000014	.00000002	.00000003
25 FACILITY CONS	.00000862	.00001231	.00000966	.00000927	.00003292	.00008285	.00001119	.00001968
26 MAINTEN,REPR	.00576070	.00822480	.00645677	.00619405	.02200193	.00537176	.00747462	.01314789
27 MEAT PRODUCTS	.00022881	.00030821	.00050236	.00054587	.00049349	.00091284	.00048334	.00056746
28 POULTRY PROD	.00001500	.00002275	.00001858	.00007330	.00005466	.00010068	.00004511	.00005543
29 DAIRIES	.00006929	.00011123	.00009993	.00032833	.00024753	.00038083	.00018750	.00022939
30 OTH GRAIN MIL	.00006350	.00022489	.00003695	.00008266	.00013190	.00107869	.00036845	.00037756
31 ANIMAL FEEDS	.00004593	.00018194	.00004805	.00007360	.00010799	.00086098	.00029491	.00030568
32 BAKERY PROD	.00003302	.00003669	.00006260	.00012269	.00009320	.00011040	.00006172	.00008217
33 CNND,PSVP,PCK	.00008946	.00010200	.00016604	.00034571	.00026784	.00034981	.00019490	.00024232
34 OTH FOOD PROD	.00009321	.00020772	.00010283	.00022997	.00032049	.00076035	.00031319	.00034208
35 BEVERAGES	.00008114	.00019696	.00008051	.00021698	.00021277	.00082942	.00032629	.00035824
36 TEXTILE MILL	.00015457	.00036097	.00935469	.00009644	.00013540	.00052437	.00031856	.00020575
37 MBWMC FURN	.00007377	.00007302	.00004396	.00014851	.00004592	.00008638	.00005070	.00005254
38 RELATED APPRL	.00001076	.00001230	.00000804	.00002258	.00002298	.00010779	.00018599	.00004354
39 LOGGING	.00393966	.00378388	.00053044	.00068208	.00031444	.00162817	.00067045	.00104751
40 LUMBER MILLS	.00125953	.00115824	.00018788	.00024940	.00023067	.00053264	.00020252	.00034318
41 MILLWORK,WOOD	.00091147	.00256553	.00078441	.00664068	.00162499	.00344076	.00130420	.00161271
42 WOOD FURN,FIIX	.00009680	.00016761	.00009959	.00014699	.00020504	.00039478	.00016560	.00015674
43 MET FURN,FIIX	.00003217	.00003965	.00003312	.00012788	.00010431	.00011770	.00005759	.00007126
44 PAPER,PAP MIL	.08322823	.07173386	.00879290	.00050912	.00111720	.00275735	.00330002	.01095306
45 PAP EX BOX,CT	.00684106	.01296317	.02114703	.00056336	.00046340	.00118317	.01665173	.00061191
46 BOXES,PAP CNT	.00136337	.01168086	.00054604	.00054047	.00019390	.00221955	.00362371	.00090916
47 NEWSPAPERS	.00056581	.00035848	.00040817	.00077536	.00052225	.00058366	.00060876	.00051163
48 PUBLISHING	.00031645	.00040295	.01979690	.00034982	.00017029	.00043745	.00096285	.00021926
49 PRINTING	1.00937530	.00722315	.00643756	.00083953	.00095361	.00116285	.00117238	.00078873
50 HANFLD BUS FM	.00108959	1.00034081	.00066702	.00048924	.00038323	.00052165	.00033156	.00041220

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 49 *	SECTOR 50 *	SECTOR 51 *	SECTOR 52 *	SECTOR 53 *	SECTOR 54 *	SECTOR 55 *	SECTOR 56 *
51 OTH PRNT,PUBS	.00026127	.00076467	1.01826245	.00013311	.00012339	.00021827	.00018920	.00014941
52 CHLOR,ALKALIE	.00048001	.00062149	.00022830	1.01164907	.00056129	.00719342	.00135692	.00155620
53 CYCCRD INT,I6	.00052841	.00117168	.00036036	.00045744	1.00102343	.01262424	.00289317	.05026704
54 ORG CHEM	.00249303	.00561712	.00970380	.00541775	.03654621	1.22141350	.01349144	.15371723
55 INORG CHEM	.00120240	.00180278	.00034884	.01307842	.00226090	.00851723	1.08999401	.00790802
56 FIBERS,PLASTI	.00051313	.00114404	.00040754	.00048113	.00060846	.00306435	.00725530	1.02048668
57 SYN RUBBER	.00006583	.00021550	.00011588	.00007271	.00017815	.00037317	.00029628	.00018909
58 DRUGS	.00008035	.00001879	.00001598	.00002077	.00003274	.00004661	.00002272	.00002339
59 AGRI CHEMICAL	.00016203	.00029126	.00022528	.00028661	.00022800	.00108729	.00044378	.00043472
60 SPS,CLNS,TOIL	.00012221	.00033666	.00007712	.00022287	.00151728	.00071114	.00024968	.00033488
61 PAINT+VARNISH	.00040159	.00295559	.00016651	.00041976	.00069087	.00129115	.00030777	.00041206
62 OTH CHEMICALS	.01100589	.00567966	.00891157	.00097852	.00384563	.00974370	.00226001	.00213943
63 PETRO REFING	.00979980	.02050296	.01662866	.05260912	.57079796	.12214485	.02177432	.06664127
64 OTH PETRO PRD	.00012031	.00013691	.00009207	.00086096	.00026866	.00057120	.00026667	.00026102
65 TIRES	.00028770	.00094312	.00046344	.00033908	.00088354	.00049557	.00051153	.00055359
66 FAB RUBBER PR	.00010218	.00021504	.00006184	.00010968	.00015188	.00059287	.00029482	.00023025
67 PLASTIC PRODS	.00048570	.00102180	.00044000	.00091041	.00059900	.00214251	.03195949	.00103265
68 LEATHER,L PRD	.00014840	.00044906	.00004413	.00003281	.00012908	.00016098	.00009658	.00006554
69 GLASS	.00018186	.00032724	.00071111	.00011726	.00021510	.00093581	.00081363	.00033961
70 CLAY	.00005489	.00007772	.00006061	.00008502	.00020107	.00016680	.00016393	.00014141
71 CUT ST,CL,SH	.00038088	.00038316	.00020001	.00068827	.00059494	.00129292	.00069401	.00071326
72 CEMENT,CONCRT	.00026582	.00041463	.00027139	.00044173	.00090216	.00222782	.00062420	.00064165
73 BLAST FURNACE	.00048632	.00049602	.00016190	.00246255	.00745532	.00200079	.00156607	.00105967
74 PRI STEEL,IRO	.00032186	.00028200	.00023367	.00034084	.00024790	.00062015	.00040760	.00025097
75 FOUNDRIES	.00046052	.00036569	.00013125	.00038013	.00050719	.00130353	.00090577	.00049562
76 NONFER SMELTG	.00019497	.00052940	.00372800	.00033194	.00078684	.00676327	.00158193	.00136338
77 AL SMLT ROL DR	.00038677	.00089958	.00040687	.00068059	.00221571	.000388038	.00208881	.00130956
78 CAST,FORGINGS	.00004939	.00011332	.00003160	.00006444	.00021375	.00034783	.00025688	.00014175
79 FABRI STEEL	.00014274	.00022264	.00006727	.00014960	.00025801	.00104556	.00061039	.00043554
80 PLATE WORK	.00010049	.00015495	.00005156	.01358754	.00009603	.00049938	.00024862	.00015463
81 SH MET,ARCH	.00048448	.00079849	.00041698	.00062901	.00100823	.00313962	.00118367	.00093813
82 METAL DOORS	.00001083	.00001505	.00001410	.00003990	.00005349	.00007670	.00002528	.00002686
83 FAB MET PROD	.00063302	.00070847	.00081943	.00095080	.00271108	.00237573	.00147876	.00101992
84 PLUMBING	.00017851	.00006652	.00012809	.00015472	.00014581	.00038493	.00017565	.00011888
85 BOLTS,NUTS,SC	.00030425	.00077222	.00014081	.00025155	.00065383	.00125291	.00089652	.00051579
86 ELCTPLT,CT,EN	.00010203	.00010291	.00004392	.00010982	.00017721	.00044839	.00042416	.00018190
87 VALVE,PIPE FT	.00056540	.00060864	.00024072	.00271548	.00263378	.00257548	.00138665	.00216849
88 OTH FAB MET P	.00009024	.00013503	.00012643	.00017421	.00071562	.00073629	.00027654	.00025688
89 FM,CONS,IND M	.00008465	.00010316	.00007252	.00015743	.00022754	.00051120	.00041497	.00022088
90 MTL HDL MC,EQ	.00003438	.00008016	.00002199	.00010076	.00027421	.00024291	.00036438	.00014219
91 MIN MACH,EQUIP	.00017006	.00032283	.00012225	.00107728	.00123608	.00182421	.00123940	.00078140
92 ENGINES	.00013538	.00030691	.00004205	.00021610	.00073753	.00063233	.00066945	.00037483
93 METAL WK MACH	.00006901	.00014645	.00003275	.00013903	.00024484	.00046819	.00016454	.00017744
94 IND PROC MACH	.00098860	.00111346	.00047987	.00019812	.00078777	.00068627	.00130344	.00035408
95 GEN IND MACH	.00231096	.00176807	.00056577	.00105334	.00098883	.00695724	.00141151	.00159804
96 REFRIG MACH	.00003872	.00005367	.00003490	.00006538	.00011448	.00024786	.00007672	.00009343
97 COMPU,ACCT MACH	.00047332	.00296900	.00230422	.00060979	.00061905	.00243728	.00179519	.00088777
98 ELEC INST,AP	.00043725	.00067635	.00041757	.00071299	.00175517	.00308672	.00097963	.00094978
99 ELEC HSLD EQ	.00003108	.00003498	.00003454	.00008363	.00006646	.00006499	.00004270	.00004576
100 ELEC COMM EQ	.00018158	.00061512	.00012693	.00066121	.00087536	.00142194	.00072039	.00055518

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 49 *	* SECTOR 50 *	* SECTOR 51 *	* SECTOR 52 *	* SECTOR 53 *	* SECTOR 54 *	* SECTOR 55 *	* SECTOR 56 *
101 OTH ELEC APP	.00013723	.00032428	.00007896	.00018938	.00036166	.00074877	.00062537	.00036074
102 AIRCRAFT	.00000330	.00000976	.00000320	.00000295	.00000616	.00004342	.00001916	.00001694
103 AIRCRAFT ENG	.00000007	.00000017	.00000012	.00000008	.00000015	.00000152	.00000031	.00000037
104 OTH AIRCRAFT	.00001585	.00004897	.00001452	.00001474	.00002358	.00004402	.00003861	.00002766
105 MOTOR VHCL,P	.00044777	.00160635	.00049758	.00232790	.00067118	.00083841	.00088972	.00096511
106 SHIP,BT BLO6	.00002318	.00001644	.00001644	.00012573	.00030408	.00019505	.00016685	.00015008
107 OTH TRANS EQ	.00003615	.00009131	.00001581	.00003876	.00023935	.00017043	.00010895	.00010309
108 SCIENTIF INS	.00001266	.00005908	.00001223	.00005163	.00004453	.00007997	.00005175	.00004047
109 MECH MSRG DV	.00005395	.00007898	.00002535	.00005553	.00012280	.00029603	.00014235	.00011629
110 MEDICAL INST	.00007746	.00008754	.00010476	.00312359	.00028497	.00029095	.00017557	.00027029
111 PHO,TH,OPT I	.00119912	.00094283	.01532913	.00016308	.00014659	.00012769	.00011364	.00010602
112 GAMES,TOYS	.00000345	.00000428	.00000454	.00001083	.00000936	.00001317	.00000577	.00000705
113 OTH MFG IND	.00722210	.01142231	.00451679	.00047745	.00029671	.00069041	.00121111	.00087490
114 RAIL TRANS	.00562237	.01544518	.00103607	.00521105	.05750755	.00995518	.00905552	.01153240
115 INTERCTY HGV	.00004158	.00009496	.00001413	.00003947	.00032646	.00006939	.00006120	.00007516
116 MOTOR FRT STR	.00901271	.06068378	.01091987	.00917399	.01403987	.01089461	.01311569	.02459704
117 WATER TRANS	.00067408	.00172942	.00047190	.00386045	.01030905	.00562836	.00548653	.00472334
118 AIR TRANS	.00225422	.00728147	.00206520	.00168651	.00294114	.00166743	.00409062	.00238455
119 PIPELINE TRN	.00067617	.00124167	.00053811	.00385762	.01194198	.00508838	.00394975	.00506419
120 LOC,SUB TRAN	.00004351	.00000305	.00000738	.00000474	.00000426	.00000524	.00000359	.00000348
121 OTH TRAN SER	.00045320	.00078537	.00193001	.00074346	.00120173	.00069753	.00130571	.00623221
122 TELEP,TELEGR	.00684287	.01422476	.00821422	.00520134	.00549862	.00438635	.00636620	.00497462
123 RADIO , TV	.00047857	.00027870	.00028156	.00083770	.00057163	.00055950	.00073959	.00072160
124 OTH COMMUNIC	.00003810	.00002722	.00008664	.00006743	.00008667	.00010457	.00006296	.00006611
125 GAS SERVICES	.01586327	.01278575	.00788897	.17350370	.04248859	.07663681	.02044364	.04124727
126 ELEC SERVICES	.01681638	.01391871	.01143362	.27971513	.01723563	.03958952	.02301376	.03254934
127 WATER,SANI SERV	.00553952	.00369103	.00227411	.01150476	.00375504	.00386301	.00317169	.00980504
128 WHL AUT PT,S	.00063933	.00104308	.00045873	.00136224	.01952323	.00176458	.00096121	.00209299
129 WHL GRO,RELP	.00119086	.00048738	.00041320	.00073664	.00071084	.00270036	.00206462	.00198072
130 WHL FM PROD	.00030025	.00053517	.00020403	.00126445	.00145983	.00201732	.00194443	.00207807
131 WHL LIVESTOC	.00001163	.00002493	.00001117	.00006940	.00005141	.00014783	.00010573	.00011421
132 WHL MAC,EQ,S	.00782444	.00404728	.00569474	.00726793	.01383774	.00782723	.01024991	.00888759
133 WHL PET,PETP	.00201921	.00302207	.00166042	.00397795	.02763394	.00405401	.00332356	.00407795
134 GEN WHL	.03120762	.02635600	.01605315	.01320423	.02689628	.03390760	.02655192	.02599640
135 LUMBER YARDS	.00044592	.00025375	.00018641	.00022912	.00034401	.00043123	.00039376	.00026668
136 FARM EQ DEAL	.00061285	.00011476	.00006169	.00009612	.00049963	.00027204	.00020891	.00019101
137 HDW,HT,E,P,W	.00021492	.00012851	.00004613	.00015423	.00024608	.00015938	.00007676	.00009252
138 DEPT,VAR STO	.00312069	.00067040	.00037541	.00025813	.00092753	.00101207	.00076611	.00068168
139 FOOD STORES	.00133444	.00024722	.00017657	.00016569	.00011727	.00077521	.00059747	.00052916
140 AUTO DEAL,RP	.00173826	.00165260	.00494775	.00624930	.00326853	.00283852	.00268763	.00227766
141 GAS SER STAT	.00039849	.00084506	.00118925	.00054841	.00893430	.00087765	.00056937	.00137678
142 APPRL ACC ST	.00021567	.00001239	.00007867	.00000326	.00000558	.00001277	.00000852	.00001325
143 FURN,HM F,EQ	.00053581	.00051073	.00013813	.00008789	.00010776	.00012221	.00006251	.00010153
144 EAT,DRINK PL	.00088863	.00073231	.00341911	.00072054	.00111047	.00083900	.00113634	.00141696
145 OTHER RETAIL	.00336216	.00099777	.00085598	.00107651	.00083794	.00592602	.00435573	.00500214
146 BANK,CRD AGE	.00854009	.00928664	.02004074	.02503322	.02668901	.01826955	.02313381	.02008860
147 INSURANCE CA	.00747232	.01709613	.01599439	.00816085	.01049724	.00842562	.00913172	.00858087
148 F.I.R.E. NEC	.00896626	.01143933	.02308364	.04066313	.02090868	.01982584	.01829794	.01542648
149 LEGAL SERVIC	.00326207	.00281184	.00326867	.00631904	.00352399	.00356146	.00549082	.00332928
150 LODGING SERV	.00090303	.00074343	.00183215	.00153018	.00131547	.00093305	.00136279	.00108229

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 49 *	SECTOR 50 *	SECTOR 51 *	SECTOR 52 *	SECTOR 53 *	SECTOR 54 *	SECTOR 55 *	SECTOR 56 *
151 PERSONAL SER	.00172942	.00028951	.00037060	.00032723	.00056753	.00065961	.00030110	.00036670
152 ADVERTISING	.00106880	.00062765	.00082199	.00057382	.00065031	.00067498	.00089677	.00078200
153 DUPL, ADDRESS	.00143702	.00011416	.00011255	.00028917	.00014165	.00015470	.00010802	.00012558
154 PRI EMPL AGE	.00009416	.00010984	.00012545	.00023817	.00023029	.00021470	.00025560	.00025073
155 PHOTO SERVIC	.00056866	.00029803	.00691555	.00057113	.00116166	.00064009	.00063502	.00067589
156 RESRCH, DEVEL	.00007869	.00031509	.00006031	.00042436	.00038754	.00229548	.00054493	.00079105
157 OTHER BUS SE	.00280213	.00556535	.00243952	.00444767	.00711452	.00433581	.00372546	.00434594
158 MTN PCT, AM, R	.00009232	.00022550	.00019684	.00010664	.00011493	.00010111	.00010496	.00011620
159 AUTO RENT SE	.00281060	.00157188	.00102712	.00170630	.00181302	.00301574	.00468895	.00409267
160 AUTO PARKING	.00000537	.00000752	.00001016	.00001281	.00001139	.00000878	.00000958	.00000880
161 ELEC REP SHP	.00028909	.00016203	.00009720	.00022841	.00026734	.00039918	.00188637	.00024406
162 MISC REP SER	.00129795	.00141016	.00238924	.00915759	.00310806	.00444585	.00250981	.00264613
163 PHYS, DENT SE	.00005123	.00007003	.00006928	.00008094	.00009421	.00008652	.00007195	.00007535
164 HOSP, LAB SER	.00006171	.00013705	.00011381	.00012133	.00010318	.00009311	.00011121	.00009404
165 OTH MED SERV	.00000290	.00000287	.00000325	.00002300	.00001395	.00001834	.00002453	.00002627
166 ED (PUB, PRI)	.00370157	.00503987	.00415272	.02156685	.01512603	.01584886	.00850343	.01145493
167 COLL, UNIV	.00196584	.00245458	.00148367	.00855537	.00705133	.00651664	.00362320	.00438728
168 OTH ED SERV	.00001824	.00000728	.00000557	.00000696	.00000830	.00000838	.00000729	.00000932
169 ENG, ARCH SER	.00095367	.00152535	.00057284	.00659155	.00411143	.00321141	.00330682	.00329579
170 COMPU, ACCT SERV	.00340056	.00311284	.00954892	.00726596	.00381302	.00332966	.00420040	.00354306
171 OTH PROF SER	.00009472	.00008228	.00004289	.00007213	.00003714	.00007734	.00004317	.00008906
172 OTHER SERVIC	.00088435	.00113579	.00265146	.00186246	.00184359	.00177850	.00163777	.00152492
173 ORD, ORD ACCS	.00000109	.00000086	.00000031	.00000090	.00000120	.00000308	.00000214	.00000117
174 OUTDOOR REC	.00016643	.00021945	.00011875	.00072073	.00060903	.00063762	.00039301	.00046307
175 SCRAP	.00015506	.00026062	.00021049	.00072585	.00055205	.00092410	.00094768	.00099955
TOTAL DIRECT/IND REQ	1.36689228	1.46820737	1.36278458	1.96934545	2.24510093	2.05716840	1.56699280	1.72954173

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 57 *	SECTOR 58 *	SECTOR 59 *	SECTOR 60 *	SECTOR 61 *	SECTOR 62 *	SECTOR 63 *	SECTOR 64 *
1 IRR COTTON	.00075347	.00008306	.00017762	.00022468	.00027157	.00008762	.00006132	.00017135
2 IRR FOOD GRAIN	.00127147	.00012003	.00026060	.00034578	.00044462	.00013157	.00008161	.00027784
3 IRR FEED GRAIN	.00104573	.00010475	.00021427	.00027973	.00037299	.00010924	.00007270	.00023402
4 OTHER IRR CROP	.00117284	.00036995	.00049855	.00068392	.00058369	.00024856	.00014469	.00038151
5 DRYLAND COTTON	.00043838	.00002658	.00009620	.00012491	.00015560	.00004850	.00003177	.00009743
6 DRY FOOD GRAIN	.00054305	.00011435	.00017017	.00017158	.00019234	.00005938	.00003829	.00012093
7 DRY FEED GRAIN	.00124808	.00012228	.00025656	.00034478	.00044019	.00013478	.00008701	.00027871
8 OTHER DRY CROP	.00066655	.00008284	.00014118	.00019295	.00024036	.00008575	.00005745	.00015914
9 RANGE LIVESTOCK	.00397614	.00045353	.00083125	.00112321	.00143961	.00046157	.00030594	.00091718
10 FEEDLOT LIVESTOCK	.00713862	.00077808	.00146193	.00196539	.00255804	.00075645	.00048526	.00158200
11 DAIRY	.00175990	.00019959	.00038321	.00053234	.00064041	.00027466	.00020415	.00046539
12 POULTRY, EGGS	.00085896	.00008713	.00018216	.00025301	.00030587	.00012052	.00008594	.00021174
13 AG SUP EX FMC	.00081729	.00010102	.00018890	.00024696	.00029934	.00010387	.00006991	.00019678
14 COTTON GINNING	.00014360	.00001330	.00003290	.00004205	.00005147	.00001648	.00001120	.00003241
15 AGRI SERVICES	.00080164	.00010981	.00020344	.00026327	.00030136	.00011651	.00009000	.00020060
16 PRIM FORESTRY	.00216243	.00059899	.00085182	.00075500	.00076664	.00153033	.00039204	.00082462
17 FISHERIES	.00047292	.00003676	.00010359	.00014371	.00017508	.00007226	.00005112	.00012363
18 CRUDE PETRO	.12192060	.01503279	.02767757	.05080713	.04995460	.17801100	.20911037	.07609117
19 NATRL GAS LQDS.	.01731561	.00142292	.00211298	.00657483	.00671633	.00712736	.01710167	.00492650
20 OIL, GAS FLOSV	.02840647	.00315483	.00659315	.01065467	.01108534	.03736345	.05149242	.01707942
21 LIGNITE, OTH MINE	.00426788	.00106537	.04700530	.00231546	.00206775	.00144498	.00104168	.03235619
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM, ED, INST	.00001051	.00000327	.00000341	.00000713	.00000534	.00000580	.00000851	.00000474
24 INDUS CONS	.00000007	.00000002	.00000002	.00000005	.00000004	.00000004	.00000006	.00000003
25 FACILITY CONS	.00004156	.00001295	.00001349	.00002819	.00002113	.00002293	.00003363	.00001876
26 MAINTEN, REPR	.02776932	.00863737	.00900137	.01882391	.01411316	.01532340	.02247947	.01253407
27 MEAT PRODUCTS	.00101114	.00051761	.00042197	.00065642	.00067998	.00066283	.00048594	.00072528
28 POULTRY PROD	.00010570	.00002870	.00003508	.00006339	.00004660	.00007185	.00006558	.00007107
29 DAIRIES	.00039411	.00014294	.00016290	.00026971	.00021639	.00032231	.00029045	.00033610
30 OTH GRAIN MIL	.00124084	.00013081	.00026599	.00035062	.00044127	.00014739	.00009468	.00029444
31 ANIMAL FEEDS	.00098825	.00009611	.00020679	.00028596	.00035377	.00012124	.00008463	.00023600
32 BAKERY PROD	.00011256	.00007447	.00005804	.00010286	.00007977	.00012635	.00010631	.00012553
33 CNND, PSVP, PCK	.00036138	.00019988	.00017709	.00029428	.00024698	.00035621	.00030324	.00036363
34 OTH FOOD PROD	.00086825	.00030914	.00030090	.00043474	.00040053	.00043061	.00020898	.00037508
35 BEVERAGES	.00091959	.00129967	.00081253	.00111234	.00058042	.00026312	.00021380	.00037402
36 TEXTILE MILL	.00059806	.00015733	.00032066	.00032492	.00027628	.00013701	.00015023	.00020084
37 MBWMC FURN	.00008750	.00004234	.00004457	.00007215	.00004991	.00005977	.00004458	.00006692
38 RELATED APPRL	.00012119	.00001473	.00006269	.00006630	.00005609	.00002323	.00001728	.00003962
39 LOGGING	.00195973	.00042735	.00064189	.00063440	.00072466	.00052720	.00026546	.00065577
40 LUMBER MILLS	.00050452	.00013945	.00019948	.00025027	.00024532	.00021566	.00021962	.00026894
41 MILLWORK, WOOD	.00501208	.00203553	.00283303	.00200156	.00157322	.00151840	.00138890	.00222820
42 WOOD FURN, FIX	.00030256	.00017118	.00018873	.00023749	.00018954	.00019362	.00020348	.00020495
43 MET FURN, FIXT	.00011638	.00005423	.00006421	.00011709	.00006731	.00013083	.00013718	.00013636
44 PAPER, PAP MIL	.00309976	.00264609	.00243162	.00181020	.00189084	.00109339	.00105325	.00351871
45 PAP EX BOX, CT	.00137958	.00459461	.00429585	.00083708	.00107824	.00052465	.00040831	.00062602
46 BOXES, PAP CNT	.00313752	.00362805	.00241837	.00132243	.00178416	.00287452	.00318215	.00135470
47 NEWSPAPERS	.00060767	.00043157	.00079159	.00099869	.00087363	.00064646	.00034511	.00118753
48 PUBLISHING	.00049217	.00051867	.00083368	.00078700	.00033434	.00022020	.00015119	.00043572
49 PRINTING	.00142564	.00294526	.00118002	.00425038	.00179436	.00117428	.00071267	.00135407
50 MANFLD BUS FM	.00050347	.00056328	.00038369	.00133354	.00026032	.00035572	.00039863	.00031170

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 57 *	SECTOR 58 *	SECTOR 59 *	SECTOR 60 *	SECTOR 61 *	SECTOR 62 *	SECTOR 63 *	SECTOR 64 *
51 OTH PRNT,PUBS	.00025101	.00032449	.00025116	.00016493	.00017937	.00014889	.00008857	.00015612
52 CHLOR,ALKALIE	.05422221	.00112672	.02843643	.00194801	.00153108	.00517896	.00065411	.00089510
53 CYCCRD INT,IG	.05399634	.00353537	.00909102	.00692577	.13241977	.00629810	.00121327	.00135408
54 ORG CHEM	.11059663	.04240055	.01786763	.26462536	.15329179	.07653319	.06810940	.03286454
55 INORG CHEM	.01473666	.00271002	.19675422	.01242584	.00348638	.00217137	.00384150	.00167882
56 FIBERS,PLASTI	.00352342	.02942227	.00329003	.00334967	.03577338	.00058646	.00048018	.00119637
57 SYN RUBBER	1.03834933	.00024569	.00042725	.00021273	.00175896	.00015347	.00007679	.00025184
58 DRUGS	.00006060	1.00414459	.00001457	.00004011	.00002099	.00003410	.00005196	.00003234
59 AGRI CHEMICAL	.00124399	.00019169	1.05030884	.00046332	.00048261	.00026082	.00020336	.00040810
60 SPS,CLNS,TOIL	.00134376	.00025059	.00034605	1.00293402	.00045566	.00105878	.00285355	.00074417
61 PAINT+VARNISH	.00087629	.00024655	.00033362	.00077539	1.00116949	.00042758	.00056005	.00094706
62 OTH CHEMICALS	.02209872	.00091358	.00201703	.00338699	.00490326	1.00789140	.00694975	.00817680
63 PETRO REFING	.35323099	.01766373	.02873457	.06033982	.10350448	.37711369	1.11791662	.23218649
64 OTH PETRO PRD	.00097776	.00010898	.00030192	.00028477	.00020607	.00201238	.00028601	1.01436470
65 TIRES	.00056906	.00045510	.00132129	.00073817	.00044193	.00072786	.000413350	.00013354
66 FAB RUBBER PR	.00062983	.00010096	.00026877	.00031405	.00027885	.00018680	.00011852	.00026350
67 PLASTIC PRODS	.00254621	.00890267	.00695992	.00314188	.00113838	.00062975	.00052299	.00088050
68 LEATHER,L PRD	.00020178	.00008179	.00010102	.00030342	.00008996	.00009491	.00020420	.00008474
69 GLASS	.00099971	.00236702	.00069958	.00101369	.00043333	.00019453	.00014976	.00028231
70 CLAY	.00028141	.00009118	.00018870	.00018015	.00013569	.00014288	.00020228	.00017866
71 CUT ST,CL,SH	.00106515	.00050764	.00173591	.00065800	.00054233	.00058030	.00062157	.00349682
72 CEMENT,CONCRT	.00147676	.00057954	.00068894	.00080162	.00069159	.00072349	.00098100	.00277841
73 BLAST FURNACE	.00223372	.00085341	.00181270	.00083885	.00175450	.00060060	.00055183	.01545107
74 PRI STEEL,IRO	.00062630	.00029117	.00043715	.00034199	.00033804	.00023124	.00025600	.00030014
75 FOUNDRIES	.00135821	.00064849	.00111834	.00085223	.00069962	.00040867	.00050434	.00063094
76 NONFER SMELTG	.00292749	.00138627	.03997148	.00177164	.00157863	.00081113	.00101966	.00083850
77 AL SMLT ROL DR	.00414777	.00169000	.00246847	.00205020	.00241605	.00161432	.00342835	.00155194
78 CAST,FRGINGS	.00038081	.00017792	.00030170	.00015678	.00018838	.00009739	.00015351	.00015351
79 FABRI STEEL	.00095871	.00048562	.00066922	.00037832	.00042011	.00019948	.00019323	.00036764
80 PLATE WORK	.00109363	.00020232	.00070356	.00017417	.00019002	.00015494	.00008496	.00013062
81 SH MET,ARCH	.00232016	.00104547	.00148577	.00125483	.00115065	.00082023	.00096823	.00088861
82 METAL DOORS	.00006780	.00002120	.00002660	.00003249	.00002653	.00004196	.00007707	.00003431
83 FAB MET PROD	.00331391	.00147941	.00164214	.01662263	.00539534	.00184334	.00376675	.00149799
84 PLUMBING	.00026235	.00011096	.00023122	.00014582	.00016559	.00012731	.00014516	.00013648
85 BOLTS,NUTS,SC	.00141247	.00073713	.00095067	.00071208	.00070765	.00045445	.00027009	.00051677
86 ELCTPLT,CT,EN	.00046106	.00023571	.00046719	.00025395	.00022253	.00012822	.00016663	.00027705
87 VALVE,PIPE FT	.00275152	.00095241	.00144503	.00184709	.00132770	.00194727	.00304704	.00257017
88 OTH FAB MET P	.00070863	.00040744	.00032008	.00030359	.00032947	.00048686	.00103200	.00040556
89 FM,CONS,IND M	.00033446	.00010052	.00051484	.00026877	.00019916	.00021214	.00020238	.00044720
90 MTL HGL MC,EQ	.00034066	.00004037	.00041081	.00010816	.00050130	.00019772	.00047309	.00037555
91 MIN MACH,EQU	.00189777	.00023935	.00131668	.00070606	.00131483	.00157303	.00193190	.00146919
92 ENGINES	.00078879	.00011760	.00068386	.00035953	.00038244	.00032937	.00030064	.00073694
93 METAL WK MACH	.00045409	.00006592	.00021498	.00019668	.00020771	.00013499	.00009652	.00017606
94 IND PROC MACH	.00088193	.00024077	.00067157	.00035887	.00036293	.00049361	.00106474	.00040562
95 GEN IND MACH	.00246346	.00116083	.01011440	.00275312	.00171277	.00130663	.00098312	.00163412
96 REFRIG MACH	.00020435	.00005826	.00007396	.00011397	.00010303	.00010474	.00010240	.00011682
97 COMPU,ACCT MACH	.00240501	.00123908	.00207334	.00091172	.00281316	.00056511	.00055288	.00103012
98 ELEC INST,AP	.00215766	.00078615	.00114118	.00123193	.00105462	.00132157	.00204819	.00124256
99 ELEC HSLD EQ	.00007195	.00004538	.00004219	.00006149	.00004798	.00007868	.00007805	.00009701
100 ELEC COMM EQ	.00139500	.00068986	.00072136	.00067467	.00063187	.00084342	.00099269	.00074756

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 57 *	* SECTOR 58 *	* SECTOR 59 *	* SECTOR 60 *	* SECTOR 61 *	* SECTOR 62 *	* SECTOR 63 *	* SECTOR 64 *
101 OTH ELEC APP	.00083982	.00046738	.00070802	.00038210	.00037836	.00027777	.00023506	.00047553
102 AIRCRAFT	.00005063	.00000565	.00001232	.00001330	.00001933	.00000795	.00000498	.00000735
103 AIRCRAFT ENG	.00000091	.00000016	.00000025	.00000045	.00000048	.00000018	.00000015	.00000024
104 OTH AIRCRAFT	.00005386	.00002125	.00001764	.00002679	.00001817	.00002824	.00001682	.00002985
105 MOTOR VHCL,P	.00094102	.00104077	.00100968	.00121763	.00069706	.00089212	.00050980	.00185135
106 SHIP,BT BLDG	.00028079	.00005573	.00012359	.00023938	.00014492	.00034467	.00043668	.00045669
107 OTH TRANS EQ	.00020576	.00004290	.00010721	.00011650	.00011524	.00007812	.00003190	.00012403
108 SCIENTIF INS	.00008858	.00002290	.00005295	.00004665	.00004411	.00005775	.00006070	.00005732
109 MECH MSRG DV	.00024366	.00011543	.00028249	.00015392	.00012228	.00013136	.00015214	.00018445
110 MEDICAL INST	.00047626	.00024077	.00025748	.00022055	.00017937	.00032270	.00039397	.00031880
111 PHO,TH,OPT I	.00018569	.00030896	.00010394	.00016438	.00010153	.00018150	.00016492	.00020244
112 GAMES,TOYS	.00000989	.00000784	.00000561	.00001053	.00000679	.00001199	.00001091	.00001229
113 OTH MFG IND	.00079153	.00050006	.00071757	.00049621	.00249533	.00095279	.00026739	.00039522
114 RAIL TRANS	.01685428	.00424255	.00889114	.01428518	.01416870	.01434152	.00406423	.01677584
115 INTERCTY HGV	.00010635	.00003577	.00006467	.00010071	.00009504	.00009720	.00003685	.00011333
116 MOTOR FRT STR	.01295127	.02899437	.01367510	.03215203	.01106283	.01830541	.00852201	.04707411
117 WATER TRANS	.00854516	.00176621	.00399162	.00781501	.00459904	.01169762	.01507715	.01551216
118 AIR TRANS	.00236314	.00203740	.00264465	.00264465	.00182781	.00341600	.00169002	.00376922
119 PIPELINE TRN	.00937738	.00191843	.00217016	.00873436	.00504906	.01359376	.01944027	.01608211
120 LOC,SUB TRAN	.00000508	.00000738	.00000457	.00000715	.00000438	.00000554	.00000378	.00000648
121 OTH TRAN SER	.00089602	.00053775	.00201198	.00142431	.00094428	.00130315	.00027490	.00185578
122 TELEP,TELEGR	.00561275	.01026178	.00623741	.01168905	.00717288	.00743626	.00388795	.00852247
123 RADIO , TV	.00066059	.00265819	.00103426	.00178432	.00057520	.00099211	.00035160	.00149263
124 OTH COMMUNIC	.00009456	.00006443	.00009237	.00014139	.00006342	.00012100	.00009697	.00011838
125 GAS SERVICES	.04027179	.01489188	.02533766	.04466948	.02800406	.03908336	.02346547	.05377811
126 ELEC SERVICES	.03544937	.01464129	.03009827	.03019428	.02004211	.02897481	.01475181	.03329303
127 WATER,SANI SERV	.00449515	.00299543	.00258236	.00505517	.00342687	.00551904	.00401207	.00679213
128 WHL AUT PT,S	.00236299	.00071438	.00098841	.00240313	.00334372	.001417498	.00088658	.00603567
129 WHL GRO,RELP	.00159954	.00107188	.00336916	.00471555	.00214896	.00096263	.00043475	.00146447
130 WHL FM PROD	.00210926	.00083579	.00145440	.00411140	.00190318	.00325601	.00024318	.00456266
131 WHL LIVESTOC	.00017743	.00004866	.00005559	.00018890	.00010581	.00015493	.00001501	.00024649
132 WHL MAC,EQ,S	.01650897	.00384440	.00778704	.01390731	.00873396	.01992813	.01248580	.01956792
133 WHL PET,PETP	.00576470	.00203497	.00363127	.00620987	.00594389	.01947403	.00415832	.01218708
134 GEN WHL	.02463425	.01678314	.04702877	.06123959	.05858824	.03399501	.01878824	.03863614
135 LUMBER YARDS	.00058305	.00032490	.00057751	.00045487	.00032421	.00027400	.00017400	.00039721
136 FARM EQ DEAL	.00022964	.00013032	.00075801	.00040490	.00023104	.00032606	.00007312	.00023545
137 HOV,HT,E,P,W	.00013775	.00005097	.00012607	.00012315	.00010398	.00014041	.00008570	.00046983
138 DEPT,VAR STO	.00059562	.00035385	.00144483	.00156485	.00077720	.00054261	.00018500	.00114596
139 FOOD STORES	.00040532	.00028214	.00099996	.00132343	.00054422	.00020833	.00012496	.00027720
140 AUTO DEAL,RP	.00270456	.00138606	.01239755	.00260079	.00416217	.00328466	.00174480	.00391719
141 GAS SER STAT	.00114391	.00070001	.00054796	.00115586	.00172855	.000634732	.00036679	.00264527
142 APPRL ACC ST	.00001006	.00000695	.00000740	.00002309	.00000752	.00003489	.00000555	.00002525
143 FURN,HH F,EQ	.00013080	.00005588	.00007853	.00006383	.00006680	.00005870	.00004239	.00020988
144 EAT,DRINK PL	.00117522	.00277316	.00102938	.00151539	.00247402	.00171295	.00061974	.00177638
145 OTHER RETAIL	.00283624	.00178082	.00758646	.01034815	.00421665	.00149178	.00064271	.00203355
146 BANK,CRD AGE	.02592488	.01768281	.02155942	.02662930	.01702926	.03104113	.02221740	.03636037
147 INSURANCE CA	.02482179	.01636550	.01111664	.01338229	.01195287	.01256896	.00773969	.01412438
148 F.I.R.E. NEC	.03879144	.0185579	.01509177	.02196985	.01752088	.02406073	.01903479	.02715114
149 LEGAL SERVIC	.00465616	.00625126	.00567231	.00891937	.00392309	.00517916	.00259656	.00666703
150 LODGING SERV	.00127729	.00334472	.00122573	.00178797	.00181920	.00198867	.00079075	.00253038

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 57 *	SECTOR 58 *	SECTOR 59 *	SECTOR 60 *	SECTOR 61 *	SECTOR 62 *	SECTOR 63 *	SECTOR 64 *
151 PERSONAL SER	.00057257	.00029911	.00026657	.00143585	.00049666	.00063539	.00050466	.00076056
152 ADVERTISING	.00070266	.00147951	.00091730	.00209754	.00110153	.00104879	.00034664	.00158447
153 DUPL, ADDRESS	.00017460	.00016679	.00012264	.00019883	.00012035	.00018962	.00012777	.00020834
154 PRI EMPL AGE	.00033796	.00029409	.00016867	.00046135	.00023000	.00262126	.00019581	.00064106
155 PHOTO SERVIC	.00099712	.00050074	.00047039	.00122322	.00066996	.00142149	.00143261	.00172069
156 RESRCH,DEVEL	.00066771	.00115513	.00031893	.00149197	.00070566	.00111007	.00022743	.00155073
157 OTHER BUS SE	.00638575	.00316368	.01079022	.00700482	.00380314	.00795370	.00773189	.00931628
158 MTN PCT,AM,R	.00012236	.00015688	.00010563	.00030796	.00014653	.00018261	.00008533	.00021033
159 AUTO RENT SE	.00314838	.00599215	.00228700	.00379049	.00377764	.00434819	.00124320	.00624188
160 AUTO PARKING	.00001468	.00001079	.00001019	.00001263	.00000895	.00001377	.00000877	.00001529
161 ELEC REP SHP	.00034694	.00339945	.00053128	.00042751	.00028766	.00034057	.00016692	.00040009
162 MISC REP SER	.00429747	.00331781	.00291620	.00334095	.00347309	.00441209	.00354666	.00598101
163 PHYS, DENT SE	.00028222	.00008556	.00007376	.00012497	.00008592	.00017812	.00009155	.00015774
164 HOSP, LAB SER	.00027883	.00042512	.00009984	.00015954	.00010247	.00019263	.00008933	.00019355
165 OTH MED SERV	.00014972	.00000630	.00001215	.00005172	.00002232	.00004604	.00000363	.00006978
166 ED (PUB, PRI)	.01511826	.00665588	.00793968	.01475189	.00941904	.01990276	.01875645	.01877008
167 COLL, UNIV	.00680212	.00245060	.00343781	.00606171	.00425733	.00898685	.00985267	.00937842
168 OTH ED SERV	.00000842	.00000955	.00000718	.00001268	.00000747	.00001707	.00000759	.00001265
169 ENG, ARCH SER	.00408390	.00132294	.00278224	.00431702	.00241880	.00552715	.00586506	.00680726
170 COMPU, ACCT SERV	.00749746	.02793769	.00392532	.00590289	.00373453	.00560827	.00327182	.00641084
171 OTH PROF SER	.00011946	.00003047	.00003615	.00007000	.00004465	.00007898	.00002900	.00009518
172 OTHER SERVIC	.00205624	.00606096	.00131546	.00241929	.00155399	.00266029	.00162494	.00331359
173 ORD, ORD ACCS	.00000321	.00000153	.00000264	.00000201	.00000165	.00000097	.00000119	.00000149
174 OUTDOOR REC	.00062244	.00023792	.00034140	.00062220	.00041860	.00084349	.00077580	.00094872
175 SCRAP	.00094262	.00045643	.00204458	.00192147	.00085355	.00170376	.00014006	.00285961
TOTAL DIRECT/IND REQ	2.30821530	1.45878228	1.82686709	1.92306665	1.86337361	2.15553589	1.79245053	1.97300361

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 65 *	SECTOR 66 *	SECTOR 67 *	SECTOR 68 *	SECTOR 69 *	SECTOR 70 *	SECTOR 71 *	SECTOR 72 *
1 IRR COTTON	.00017189	.00041996	.00053045	.00013784	.00016066	.00007187	.00009217	.00006527
2 IRR FOOD GRAIN	.00028436	.00026033	.00015850	.00017687	.00022841	.00010845	.00057428	.00009734
3 IRR FEED GRAIN	.00023117	.00019813	.00013303	.00099438	.00019143	.00008767	.00018499	.00008273
4 OTHER IRR CROP	.00048971	.00028076	.00027529	.00041837	.00034754	.00018276	.00020236	.00014685
5 DRYLAND COTTON	.00008923	.00016421	.00018050	.00004742	.00008544	.00003962	.00004912	.00003557
6 DRY FOOD GRAIN	.00011385	.00012899	.000936375	.00013239	.00010252	.00013526	.00022370	.00004575
7 DRY FEED GRAIN	.00028222	.00025644	.00015805	.00040133	.00022842	.00011290	.00031845	.00009910
8 OTHER DRY CROP	.00014460	.00013818	.00009073	.00042981	.00012649	.00007478	.00007832	.00006135
9 RANGE LIVESTOCK	.00089904	.00088054	.00056769	.00776380	.00075079	.00041001	.00044608	.00033839
10 FEEDLOT LVSTK	.00159705	.00150444	.00089914	.00797439	.00130865	.00065127	.00075625	.00055724
11 DAIRY	.00041503	.00036301	.00024573	.00047987	.00035933	.00026096	.00023703	.00019841
12 POULTRY,EGGS	.00019995	.00017795	.00013890	.00012704	.00016690	.00010677	.00010797	.00008541
13 AG SUP EX FMC	.00019267	.00018474	.00069733	.00059650	.00016976	.00009745	.00013634	.00007477
14 COTTON GINNING	.00003148	.00006895	.00008328	.00002670	.00002962	.00001347	.00001700	.00001216
15 AGRY SERVICES	.00019914	.00019378	.00078299	.00048789	.00016063	.00009892	.00016129	.00008023
16 PRIM FORESTRY	.00062325	.00086811	.00053260	.00351916	.00148848	.00056943	.00058984	.00059771
17 FISHERIES	.00010095	.00009690	.00006622	.00017173	.00009437	.00006337	.00006319	.00005146
18 CRUDE PETRO	.04434331	.01722319	.02598674	.00947919	.05748603	.05132988	.02971233	.03793580
19 NATRL GAS LQDS.	.00683665	.00189051	.00166291	.00038896	.00134747	.00087316	.00085167	.00076707
20 OIL,GAS FLDSV	.00972200	.00375245	.00538268	.00193038	.01108523	.00984059	.00589240	.00739930
21 LIGNITE,OTH MINE	.00170108	.00121786	.00211918	.00056574	.00739858	.08204124	.00870551	.13442643
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00000377	.00000517	.00000412	.00000249	.00000208	.00000291	.00000285	.00000331
24 INDUS CONS	.00000003	.00000003	.00000003	.00000002	.00000001	.00000002	.00000002	.00000002
25 FACILITY CONS	.00001492	.00002045	.00001631	.00000985	.00000823	.00001150	.00001126	.00001307
26 MAINTEN,REPR	.00996771	.01366145	.01089102	.00657759	.00549708	.00767770	.00752496	.00873251
27 MEAT PRODUCTS	.00034704	.00039514	.00033818	.03815140	.00040237	.00066598	.00044177	.00043591
28 POULTRY PROD	.00003762	.00002432	.00002921	.00015420	.00004197	.00008212	.00004364	.00004799
29 DAIRIES	.00015020	.00009275	.00013379	.00009977	.00019130	.00037080	.00020621	.00023102
30 OTH GRAIN MIL	.00028105	.00025726	.00016095	.00007960	.00022954	.00014857	.00247469	.00012430
31 ANIMAL FEEDS	.00022120	.00020695	.00014012	.00073259	.00018555	.00009855	.00011655	.00009074
32 BAKERY PROD	.00005124	.00004228	.00005155	.00004401	.00006262	.00014252	.00007857	.00008960
33 CNND,PSVP,PCK	.00015343	.00011899	.00014900	.00031433	.00017970	.00039725	.00022055	.00024910
34 OTH FOOD PROD	.00025953	.00022725	.00024068	.00037574	.00025550	.00036888	.00026293	.00029388
35 BEVERAGES	.00036237	.00039623	.00053664	.00039151	.00023041	.00040601	.00020407	.00028581
36 TEXTILE MILL	.00014799	.00222978	.00354441	.00090450	.00030924	.00014744	.00016837	.00011937
37 MBWMC FURN	.00004277	.00002653	.00004326	.00005193	.00004705	.00008303	.00005789	.00006295
38 RELATED APPRL	.00003394	.00005428	.00007138	.00036673	.00001651	.00001255	.00003899	.00001820
39 LOGGING	.00051540	.00062898	.00043706	.00178447	.00129113	.00043697	.00047376	.00036858
40 LUMBER MILLS	.00016137	.00018692	.00017098	.00040359	.00042333	.00074519	.00022415	.00019329
41 MILLWORK,WOOD	.00164377	.00313589	.00115495	.01929839	.00152073	.00105794	.00135343	.00264246
42 WOOD FURN,FIX	.00012182	.00010054	.00014226	.00028286	.00013608	.00072598	.00019040	.00016068
43 MET FURN,FIXT	.00004798	.00010040	.00004688	.00004760	.00026722	.00022445	.00009466	.00010127
44 PAPER,PAP MIL	.00115835	.00163658	.00348327	.00125326	.02025348	.00428380	.00447918	.00069200
45 PAP EX BOX,CT	.00042030	.00054298	.00037300	.00213458	.00045384	.00061749	.02112726	.00049227
46 BOXES,PAP CNT	.00084106	.00310318	.00935051	.00390663	.00064261	.01261133	.01905791	.00073910
47 NEWSPAPERS	.00047361	.00022645	.00048855	.00166227	.00048504	.00087416	.00061942	.00050705
48 PUBLISHING	.00019773	.00025994	.00026910	.00107571	.00065944	.00059856	.00025361	.00019702
49 PRINTING	.00063874	.00061926	.00140859	.00226364	.00074912	.00123245	.00102779	.00077427
50 MANFLD BUS FM	.00044017	.00044279	.00017600	.00054919	.00060478	.00109260	.00034000	.00023147

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 65 *	* SECTOR 66 *	* SECTOR 67 *	* SECTOR 68 *	* SECTOR 69 *	* SECTOR 70 *	* SECTOR 71 *	* SECTOR 72 *
51 OTH PRNT,PUBS	.00031110	.00012369	.00013131	.00016000	.00010830	.00016446	.00017482	.00010966
52 CHLOR,ALKALIE	.00853805	.00153121	.00058794	.00017451	.00870808	.00068106	.00040640	.00090626
53 CYCCRO INT,IG	.04282970	.00310646	.01806831	.00151122	.00081740	.00061081	.00061372	.00047372
54 ORG CHEM	.07901397	.03076674	.03076936	.00283812	.00671875	.00360835	.00414758	.00420747
55 INORG CHEM	.00303815	.00290498	.00203535	.00045034	.00222683	.00119476	.00091792	.00283201
56 FIBERS,PLASTI	.00181745	.01964529	.16402357	.00827196	.00080474	.00198469	.00083132	.00049726
57 SYN RUBBER	.15220264	.01381368	.00012465	.00008748	.00019566	.00018477	.00029021	.00031017
58 DRUGS	.00001670	.00000878	.00001320	.00000853	.00000890	.00002472	.00001573	.00002125
59 AGRI CHEMICAL	.00031744	.00030580	.00134961	.00054539	.00029696	.00018743	.00029900	.00017820
60 SPS,CLNS,TOIL	.00036684	.00018544	.00021554	.00011902	.00019982	.00017624	.00013893	.00018249
61 PAINT+VARNISH	.00035345	.00031446	.00030659	.00019466	.00056640	.00035907	.00033852	.00027513
62 OTH CHEMICALS	.02317015	.00219894	.01197287	.00070776	.00179691	.00374149	.00181287	.00364046
63 PETRO REFING	.08962156	.01968819	.03122950	.00809385	.01534706	.02027615	.01802619	.02315846
64 OTH PETRO PRD	.00030165	.00022490	.00018208	.00008407	.00024995	.00080660	.00019268	.00099978
65 TIRES	1.00123298	.00027754	.00040035	.00036596	.00084851	.00113701	.00153189	.00183215
66 FAB RUBBER PR	.00027567	1.00025460	.00012098	.00133167	.00016828	.00029198	.00150999	.00039985
67 PLASTIC PRODS	.00070061	.00273950	1.00532803	.00037045	.00075595	.00987354	.00214837	.00062647
68 LEATHER,L PRD	.00005978	.00039015	.00004071	1.11727325	.00047730	.00003027	.00004037	.00003136
69 GLASS	.00026039	.00040495	.00019406	.00009055	1.00571027	.00016539	.00016831	.00014791
70 CLAY	.00009813	.00015780	.00010350	.00006051	.00283700	1.00410218	.00012209	.00042876
71 CUT ST,CL,SH	.00033742	.00049887	.00039479	.00022829	.00036536	.01004834	1.00858814	.00418843
72 CEMENT,CONCRT	.00046590	.00062806	.00045590	.00026288	.00033595	.00062772	.00032330	1.09150978
73 BLAST FURNACE	.00102401	.00157116	.00068227	.00019104	.00084547	.00109602	.00085344	.00152407
74 PRI STEEL,IRO	.00034754	.00465857	.00029538	.00009042	.00021564	.00021522	.00221004	.00083392
75 FOUNDRIES	.00069611	.00101218	.00047378	.00010378	.00047536	.00047594	.00064325	.00055556
76 NONFER SMELTG	.00091062	.00108997	.00053962	.00020598	.00050573	.00032837	.00058865	.00036623
77 AL SMLT ROL DR	.00122679	.00329806	.00112837	.00167334	.00070435	.00068382	.00133989	.00078684
78 CAST,FORGINGS	.00011092	.00059558	.00009554	.00003000	.00010542	.00015064	.00020231	.00020784
79 FABRI STEEL	.00025891	.00314602	.00019601	.00006805	.00020281	.00021792	.00017732	.00027163
80 PLATE WORK	.00021282	.00130017	.00008271	.00003460	.00019486	.00007629	.00008354	.00008002
81 SH MET,ARCH	.00074416	.00161074	.00073074	.00033164	.00052881	.00066051	.00072036	.00067205
82 METAL DOORS	.00002197	.00001843	.00001777	.00001269	.00001411	.00001917	.00001777	.00001944
83 FAB MET PROD	.00447151	.00146724	.00080513	.00053409	.00069394	.00070087	.00096252	.00071320
84 PLUMBING	.00010564	.00020996	.00010806	.00004766	.00014467	.00012068	.00040248	.00009011
85 BOLTS,NUTS,SC	.00044589	.00181242	.00054974	.00101633	.00066741	.00045308	.00048107	.00053077
86 ELCTPLT,CT,EN	.00013439	.00026927	.00021673	.00005860	.00012184	.00041103	.00013615	.00062577
87 VALVE,PIPE FT	.00101817	.00161566	.00091594	.00032371	.00167658	.00151344	.00210660	.00132199
88 OTH FAB MET P	.00020479	.00046669	.00013363	.00033732	.00011990	.00012139	.00018156	.00016353
89 FM,CONS,IND M	.00013261	.00012789	.00018188	.00010764	.00013201	.00068337	.00019568	.00107155
90 MTL HDL MC,EQ	.00009723	.00004152	.00007722	.00003271	.00020219	.00062403	.00014188	.00097892
91 MIN MACH,EQUP	.00058612	.00048648	.00036973	.00012601	.00074510	.00206957	.00056709	.00294307
92 ENGINES	.00030442	.00016539	.00032720	.00008659	.00033940	.00134168	.00044055	.00182818
93 METAL WK MACH	.00014470	.00031159	.00013495	.00004679	.00014058	.00017214	.00018864	.00020647
94 IND PROC MACH	.00833455	.00026763	.00636223	.00019062	.00229433	.00079113	.00052828	.00012853
95 GEN IND MACH	.00108411	.00130980	.00079842	.00055501	.00082917	.00326642	.00102969	.00158686
96 REFRIG MACH	.00006802	.00005548	.00006202	.00005534	.00007360	.00009858	.00007435	.00008620
97 COMPU,ACCT MACH	.00066631	.02817407	.00121371	.00043418	.00065273	.00121038	.00922590	.00153843
98 ELEC INST,AP	.00126512	.00131235	.00076813	.00039831	.00052597	.00114592	.00066442	.00138147
99 ELEC HSLD EQ	.00003502	.00002423	.00003609	.00003784	.00003502	.000014719	.00006141	.00011057
100 ELEC COMM EQ	.00046844	.00049526	.00043400	.00013821	.00039386	.00046280	.00042666	.00045040

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 65 *	* SECTOR 66 *	* SECTOR 67 *	* SECTOR 68 *	* SECTOR 69 *	* SECTOR 70 *	* SECTOR 71 *	* SECTOR 72 *
101 OTH ELEC APP	.00027384	.00031255	.00023465	.00010919	.00031070	.00052402	.00036109	.00069287
102 AIRCRAFT	.00001123	.00000550	.00000617	.00000320	.00000227	.00000332	.00000387	.00000379
103 AIRCRAFT ENG	.00000027	.00000025	.00000078	.00000048	.00000018	.00000012	.00000018	.00000010
104 OTH AIRCRAFT	.00001724	.00001898	.00002045	.00001178	.00000868	.00001971	.00001519	.00001650
105 MOTOR VHCL,P	.00050588	.00057901	.00073722	.00062998	.00140073	.00209208	.00246770	.00278407
106 SHIP,BT BLDG	.00011260	.00004083	.00008558	.00004402	.00004735	.00011630	.00013568	.00021594
107 OTH TRANS EQ	.00010481	.00002375	.00011255	.00004576	.00010297	.00019419	.00013630	.00026539
108 SCIENTIF INS	.00002688	.00001419	.00002039	.00001743	.00002598	.00009288	.00003754	.00004124
109 MECH MSRG DV	.00007327	.00008898	.00006171	.00003649	.00007420	.00010692	.00010551	.00011673
110 MEDICAL INST	.00013983	.00011880	.00012677	.00008700	.00015159	.00040752	.00018709	.00021197
111 PHO,IM,OPT I	.00007531	.00010612	.00008132	.00006954	.00008908	.00018358	.00012393	.00013197
112 GAMES,TOYS	.00000479	.00000538	.00000483	.00000403	.00000554	.00001589	.00000816	.00000903
113 OTH MFG IND	.00084921	.00036071	.00080561	.00047228	.00041477	.00057070	.00108302	.00025731
114 RAIL TRANS	.01516674	.00222530	.02189561	.00548009	.01654052	.03708369	.02793595	.04671610
115 INTERCTY HGY	.00050361	.00002266	.00013002	.00004014	.00010115	.00021178	.00017140	.00026536
116 MOTOR FRT STR	.01155702	.01412514	.01431316	.02088326	.05052525	.04769842	.07468346	.08506590
117 WATER TRANS	.00355720	.00109316	.00273692	.00115998	.00124177	.00363375	.00435253	.00719433
118 AIR TRANS	.00139773	.00251208	.00262634	.00151758	.00101734	.00198109	.00186779	.00200939
119 PIPELINE TRN	.00253860	.00107797	.00296777	.00121460	.00087579	.00195417	.00469315	.00351598
120 LOC,SUB TRAN	.00000242	.00000379	.00000530	.00000296	.00000279	.00000843	.00000449	.00000550
121 OTH TRAN SER	.00046696	.00032256	.00497219	.00290241	.00040847	.00117212	.00110698	.00126887
122 TELEP,TELEGR	.00319102	.00477604	.00593981	.00665067	.00453298	.00755056	.00892374	.00659570
123 RADIO , TV	.00036054	.00022128	.00054606	.00119451	.00073581	.00113734	.00079106	.00069105
124 OTH COMMUNIC	.00003707	.00003306	.00004859	.00003042	.00003806	.00005608	.00005804	.00005273
125 GAS SERVICES	.03208869	.01141216	.02864093	.01282708	.09669564	.08972836	.04552364	.06215965
126 ELEC SERVICES	.02952320	.01177147	.02076594	.01089441	.03963566	.02193409	.02852086	.03327962
127 WATER,SANI SERV	.00201122	.00264010	.00458674	.00291683	.00336423	.00374792	.00426864	.00387807
128 WHL AUT PT,S	.00165713	.00049680	.00136050	.00108712	.00070913	.00102431	.00197656	.00162653
129 WHL GRO,RELP	.00306415	.00039264	.00151176	.00170208	.00121988	.00058824	.00074229	.00055178
130 WHL FM PROD	.00117558	.00045372	.00141317	.00097262	.00038013	.00070690	.00204545	.00129787
131 WHL LIVESTOC	.00004315	.00002976	.00006406	.00028637	.00002392	.00004418	.00010389	.00007377
132 WHL MAC,EQ,S	.00676587	.00329431	.01158739	.01397378	.00359026	.00501048	.01165669	.00836607
133 WHL PET,PETP	.00343083	.00140601	.00328612	.00214981	.00236076	.00397623	.00724616	.00447721
134 GEN WHL	.03178312	.01228655	.02641070	.02312398	.03292429	.00915470	.05081074	.01619313
135 LUMBER YARDS	.00035019	.00014556	.00034282	.00065278	.00040753	.00031777	.00028796	.00060316
136 FARM EQ DEAL	.00068810	.00007142	.00044796	.00026493	.00014203	.00007309	.00010856	.00007841
137 HDW,HT,E,P,W	.00010981	.00009988	.00011383	.00031005	.00012857	.00007959	.00016891	.00019658
138 DEPT,VAR STO	.00136821	.00036621	.00086168	.00634482	.00247159	.00019182	.00049883	.00025055
139 FOOD STORES	.00091931	.00013000	.00050145	.00160611	.00127881	.00011032	.00019505	.00008117
140 AUTO DEAL,RP	.00218617	.00153330	.00750383	.00303010	.00188287	.00397310	.00338957	.01399760
141 GAS SER STAT	.00098464	.00042827	.00179478	.00050730	.00052153	.00080562	.00087415	.00078528
142 APPRL ACC ST	.00000482	.00001030	.00001688	.00242611	.00008671	.00000929	.00001522	.00001221
143 FURN,HM F,EQ	.00011612	.00019299	.00006869	.00048284	.00027064	.00027067	.00004913	.00004926
144 EAT,DRINK PL	.00055062	.00141917	.00097203	.00134172	.00054920	.00112250	.00116536	.00083900
145 OTHER RETAIL	.00713858	.00073524	.00324403	.00675131	.00394980	.00044601	.00110372	.00042867
146 BANK,CRD AGE	.02175329	.00656932	.01997480	.02748073	.01221368	.02309029	.05520459	.03087142
147 INSURANCE CA	.00683387	.00693487	.00844171	.02710914	.00681921	.01209605	.01566858	.01024804
148 F.I.R.E. NEC	.01300913	.00819180	.01259728	.01532567	.01751241	.02008180	.02314563	.02233835
149 LEGAL SERVIC	.00276804	.00406175	.00289841	.00249472	.00313635	.00045827	.00566228	.00493121
150 LODGING SERV	.00063917	.00171778	.00106544	.00084470	.00090748	.00282893	.00108354	.00100065

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 65 *	SECTOR 66 *	SECTOR 67 *	SECTOR 68 *	SECTOR 69 *	SECTOR 70 *	SECTOR 71 *	SECTOR 72 *
151 PERSONAL SER	.00018816	.00030220	.00090920	.00019293	.00013453	.00189966	.00036606	.00032616
152 ADVERTISING	.00038588	.00157778	.00069941	.00193424	.00065592	.00202273	.00103199	.00095206
153 DUPL,ADDRESS	.00009119	.00008489	.00009996	.00012533	.00012780	.00053616	.00015621	.00015821
154 PRI EMPL AGE	.00014998	.00009282	.00075338	.00011581	.00009287	.00018629	.00031255	.00023718
155 PHOTO SERVIC	.00036157	.00053666	.00053565	.00037293	.00027459	.00054213	.00080114	.00067164
156 RESRCH,DEVEL	.00026398	.00016502	.00040970	.00016095	.00014222	.00023398	.00062415	.00049886
157 OTHER BUS SE	.00242966	.00210511	.00388013	.00288978	.00394666	.00364949	.00483518	.00438845
158 MTN PCT,AM,R	.00006325	.00094316	.00008925	.00009981	.00006363	.00013813	.00012551	.00012000
159 AUTO RENT SE	.00110340	.00321001	.00297922	.00096334	.00102863	.00973333	.00718283	.00314731
160 AUTO PARKING	.00000850	.00000440	.00000863	.00001512	.00000689	.00001109	.00001928	.00001231
161 ELEC REP SHP	.00025976	.00015304	.00034598	.00018621	.00019334	.00067079	.00115639	.00024949
162 MISC REP SER	.00180355	.00132310	.00256971	.00081611	.00224007	.02084778	.00364067	.01508080
163 PHYS,DENT SE	.00007061	.00004211	.00006144	.00009983	.00026172	.00024142	.00010213	.00007756
164 HOSP,LAB SER	.00007385	.00007242	.00007978	.00012751	.00006628	.00014106	.00013332	.00012107
165 OTH MED SERV	.00002493	.00000571	.00001630	.00000992	.00000233	.00000475	.00002984	.00002231
166 ED(PUB,PRI)	.00772218	.00478804	.00684060	.00533311	.01101920	.02392003	.01190213	.01349424
167 COLL,UNIV	.00281366	.00165789	.00278029	.00287357	.00423516	.01752466	.00638816	.00688274
168 OTH ED SERV	.00000451	.00000608	.00000582	.00000499	.00000429	.00000725	.00000868	.00000770
169 ENG,ARCH SER	.00176969	.00090835	.00284812	.00120148	.00158737	.00410303	.00282999	.00588832
170 COMPU,ACCT SERV	.00293147	.00753725	.00309428	.00335985	.00505994	.00758077	.00508563	.00490648
171 OTH PROF SER	.00052733	.00002985	.00004014	.00008769	.00004122	.00003446	.00007043	.00004551
172 OTHER SERVIC	.00090911	.00101412	.00112816	.00097008	.00087232	.00164844	.00289846	.00260631
173 ORD,ORD ACCS	.00000164	.00000239	.00000112	.00000025	.00000112	.00000112	.00000152	.00000131
174 OUTDOOR REC	.00025336	.00012372	.00026953	.00016874	.00036631	.00175432	.00066468	.00073913
175 SCRAP	.00027008	.00024418	.00061178	.00027595	.00017391	.00040078	.000109403	.00076502
TOTAL DIRECT/IND REQ	1.75427356	1.34783380	1.61970296	1.50102763	1.58597956	1.67194505	1.62359435	1.79722945

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 73 *	SECTOR 74 *	SECTOR 75 *	SECTOR 76 *	SECTOR 77 *	SECTOR 78 *	SECTOR 79 *	SECTOR 80 *
1 IRR COTTON	.00036296	.00009812	.00047915	.00009821	.00009003	.00013038	.00013487	.00014126
2 IRR FOOD GRAIN	.00061114	.00015034	.00077321	.00015885	.00007949	.00017795	.00019860	.00023135
3 IRR FEED GRAIN	.00049858	.00011405	.00063061	.00013314	.00006966	.00013138	.00016123	.00018920
4 OTHER IRR CROP	.00055035	.00018254	.00073729	.00017971	.00013822	.00021586	.00023412	.00029642
5 DRYLAND COTTON	.00021110	.00005477	.00027403	.00005635	.00004024	.00007069	.00007304	.00008096
6 DRY FOOD GRAIN	.00026127	.00016137	.00033610	.00007007	.00003639	.00004266	.00009094	.00010149
7 DRY FEED GRAIN	.00059821	.00015206	.00075994	.00015865	.00008053	.00017339	.00019557	.00022795
8 OTHER DRY CROP	.00032011	.00008621	.00040419	.00008971	.00004827	.00005998	.00010896	.00012523
9 RANGE LIVESTOCK	.00189669	.00049830	.00239115	.00052217	.00028488	.00057918	.00062600	.00073326
10 FEEDLOT LIVESTOCK	.00339761	.00087228	.00429012	.00090801	.00047199	.00100473	.00109067	.00128987
11 DAIRY	.00085063	.00022745	.00105937	.00025219	.00014786	.00027650	.00030356	.00034197
12 POULTRY, EGGS	.00041564	.00010787	.00052059	.00012014	.00006538	.00012448	.00014199	.00016297
13 AG SUP EX FMC	.00039197	.00010867	.00049590	.00010953	.00006249	.00011627	.00013399	.00015488
14 COTTON GINNING	.00006914	.00001841	.00009059	.00001864	.00001551	.00002411	.00002498	.00002676
15 AGR SERVICES	.00038355	.00011161	.00049352	.00013477	.00006656	.00012109	.00015906	.00015512
16 PRIM FORESTRY	.00100119	.00044163	.00128793	.00054211	.00054172	.00046759	.00066161	.00046390
17 FISHERIES	.00022836	.00006236	.00028680	.00006765	.00003882	.00007207	.00008232	.00009389
18 CRUDE PETRO	.04371449	.01694212	.03904472	.02996436	.03259645	.02558347	.02576733	.01987224
19 NATRL GAS LIQDS.	.00308121	.00081559	.00375832	.00083034	.00125092	.00092199	.00113690	.00122988
20 OIL, GAS FLDSV	.00923245	.00345250	.00856494	.00586328	.00663032	.00513087	.00520485	.00416228
21 LIGNITE, OTH MINE	.06082533	.00253330	.00541463	.00429198	.00298753	.00135793	.00512540	.00867930
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM, ED, INST	.00000485	.00000255	.00000817	.00001111	.00000226	.00000345	.00001112	.00000232
24 INDUS CONS	.00000003	.00000002	.00000005	.00000007	.00000002	.00000002	.00000007	.00000002
25 FACILITY CONS	.00001919	.00001006	.00003230	.00004392	.00000892	.00001363	.00004396	.00000919
26 MAINTEN, REPR	.01281862	.00672482	.02158332	.02935133	.00595746	.00910256	.02937962	.00613574
27 MEAT PRODUCTS	.00052803	.00030469	.00061888	.00033524	.00032000	.00043976	.00041532	.00046214
28 POULTRY PROD	.00005716	.00002449	.00005853	.00003434	.00003032	.00003495	.00003294	.00003257
29 DAIRIES	.00021764	.00010662	.00021439	.00014695	.00013998	.00015775	.00016791	.00015434
30 OTH GRAIN MIL	.00060704	.00015573	.00075703	.00016266	.00009108	.00017882	.00021355	.00024039
31 ANIMAL FEEDS	.00047420	.00010587	.00059519	.00013201	.00007121	.00012272	.00015810	.00018380
32 BAKERY PROD	.00006517	.00004577	.00005317	.00005338	.00005503	.00006979	.00006602	.00006172
33 CNND, PSVP, PCK	.00020315	.00012591	.00020036	.00015944	.00015468	.00018844	.00018684	.00018054
34 OTH FOOD PROD	.00047596	.00019774	.00052200	.00024760	.00017821	.00026462	.00031921	.00024231
35 BEVERAGES	.00045678	.00017893	.00061524	.00069725	.00020014	.00034293	.00033040	.00028104
36 TEXTILE MILL	.00030343	.00012129	.00052413	.00010666	.00038890	.00032992	.00022720	.00015058
37 MBWMC FURN	.00006035	.00003010	.00008762	.00004656	.00030952	.00007548	.00005925	.00005086
38 RELATED APPRL	.00006657	.00001025	.00009116	.00002662	.00001343	.00001596	.00003464	.00003275
39 LOGGING	.00092580	.00033178	.00121668	.00038902	.00034271	.00035941	.00049347	.00040226
40 LUMBER MILLS	.00026460	.00012335	.00036653	.00021400	.00016547	.00012100	.00025075	.00027363
41 MILLWORK, WOOD	.00221017	.00149665	.00288003	.00200985	.00231108	.00157458	.00237395	.00109498
42 WOOD FURN, FIX	.00016719	.00008438	.00021807	.00021755	.00010543	.00020009	.00020985	.00016830
43 MET FURN, FIX	.00007135	.00004432	.00005578	.00006047	.00005374	.00006356	.00008073	.00005136
44 PAPER, PAP MIL	.00156698	.00081374	.00197690	.00070446	.00110904	.00066538	.00112327	.00102116
45 PAP EX BOX, CT	.00079210	.00329186	.00094706	.00032336	.00045244	.00034111	.00059845	.00048269
46 BOXES, PAP CNT	.00120052	.00056042	.00194909	.00040945	.00279768	.00050855	.00087857	.00061056
47 NEWSPAPERS	.00052219	.00051391	.00064233	.00138859	.00051346	.00070090	.00058662	.00061595
48 PUBLISHING	.00029489	.00015128	.00035445	.00030873	.00048960	.00020449	.00030734	.00037340
49 PRINTING	.00092132	.00053135	.00115215	.00067661	.00068985	.00091820	.00116193	.00103572
50 MANFLD BUS FM	.00024399	.00012299	.00026646	.00018523	.00023369	.00041660	.00038812	.00022044

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 73 *	SECTOR 74 *	SECTOR 75 *	SECTOR 76 *	SECTOR 77 *	SECTOR 78 *	SECTOR 79 *	SECTOR 80 *
51 OTH PRNT,PUBS	.00016565	.00007862	.00017982	.00023916	.00017517	.00008469	.00013941	.00013175
52 CHLOR,ALKALIE	.00161562	.00036515	.00121156	.00050435	.01746196	.00096929	.00401874	.00052346
53 CYCCRD INT,IG	.00180452	.00083412	.00261475	.00058794	.00131725	.00063853	.00096910	.00079395
54 ORG CHEM	.01078069	.00365393	.01271870	.00315539	.00727536	.00366973	.00423757	.00481495
55 INORG CHEM	.00548743	.00096982	.00189490	.00226698	.00096407	.00051117	.00077818	.00118685
56 FIBERS,PLASTI	.00174711	.00557633	.00261496	.00063677	.01627637	.00124344	.00097189	.00080486
57 SYN RUBBER	.00028435	.00009723	.00037423	.00010578	.00011235	.00009335	.00014499	.00015112
58 DRUGS	.00002599	.00000990	.00003297	.00001370	.00001017	.00001743	.00002137	.00001500
59 AGRI CHEMICAL	.00061124	.00021917	.00076420	.00022661	.00016007	.00031680	.00027685	.00028926
60 SPS,CLNS,TOIL	.00032169	.00010787	.00043030	.00011082	.00018967	.00016601	.00019358	.00042019
61 PAINT,VARNISH	.00042589	.00023102	.00309028	.00042259	.00021811	.00024545	.00090035	.00042148
62 OTH CHEMICALS	.00389058	.00062461	.00173190	.00063442	.00063653	.00052119	.00079750	.00092805
63 PETRO REFING	.03195210	.01087890	.03022533	.01021519	.04365949	.01241830	.01664999	.01609367
64 OTH PETRO PRD	.00045695	.00012113	.00038657	.00033185	.00028242	.00017769	.00033861	.00015041
65 TIRES	.00077775	.00037031	.00067942	.00039408	.00043598	.00052009	.00056230	.00051813
66 FAB RUBBER PR	.00045277	.00010358	.00452553	.00015109	.00023885	.00014687	.00023177	.00051046
67 PLASTIC PRODS	.00128154	.01049444	.00219632	.00051643	.00048510	.00142139	.00115791	.00069461
68 LEATHER,L PRD	.00007841	.00002243	.00011595	.00004224	.00003507	.00002975	.00006227	.00004178
69 GLASS	.00049351	.00014901	.00066142	.00023338	.00015940	.00020358	.00028125	.00021541
70 CLAY	.00036533	.00008310	.00026099	.00026597	.00006366	.00008725	.01173553	.00009469
71 CUT ST,CL,SH	.00321781	.00110669	.00147333	.00065777	.00305400	.00060646	.00549433	.00395729
72 CEMENT,CONCRT	.00081561	.00030764	.00102295	.00103263	.00033049	.00039662	.00108120	.00035515
73 BLAST FURNACE	1.09512881	.02732298	.01155070	.00062109	.00116812	.00069533	.03673322	.14212548
74 PRI STEEL,IRO	.00046554	1.00022273	.02097863	.00045259	.00017436	.00293616	.01471168	.00970750
75 FOUNDRIES	.00288407	.00027424	1.00667886	.00027915	.00031306	.00508196	.00078129	.00120401
76 NONFER SMELTG	.00125516	.00077172	.00163476	1.06453672	.03393676	.00401208	.00066483	.00061871
77 AL SMLT ROL DR	.00179786	.00064780	.00374506	.00779318	1.20752893	.04014337	.00195978	.00094791
78 CAST,FORGING	.00041171	.00018082	.00050745	.00010141	.00032349	1.000086504	.00224790	.00038293
79 FABRI STEEL	.00551611	.00147231	.00532074	.00024410	.00016245	.00025991	1.03031387	.00111694
80 PLATE WORK	.00022093	.00006277	.00029118	.00009255	.00030051	.00008412	.00063405	1.00200229
81 SH MET,ARCH	.00130781	.01932749	.00265549	.00120483	.00048947	.00155765	.02238207	.00165049
82 METAL DOORS	.00002912	.00001246	.00002947	.00003430	.00003248	.00002148	.00003667	.00001424
83 FAB MET PRD	.00133853	.00048841	.00182795	.00062879	.00121459	.00104661	.00524610	.00123718
84 PLUMBING	.00014479	.00005656	.00028747	.00016734	.00011355	.00018042	.00027711	.00038991
85 BOLTS,NUTS,SC	.00085877	.00058760	.00110924	.00036216	.00054717	.00048280	.00126200	.00059290
86 ELCTPLT,CT,EN	.00045382	.00024281	.00036759	.00011400	.00008944	.00017267	.00053899	.00019529
87 VALVE,PIPE FT	.00144228	.00057941	.00158383	.00093637	.00105315	.00087080	.00184044	.00534023
88 OTH FAB MET P	.00023886	.00011081	.00049642	.00012484	.00014351	.00012204	.00015370	.00037588
89 FM,CONS,IND M	.00063011	.00010822	.00039463	.00098742	.00018911	.00012773	.00032283	.00018181
90 MTL HDL MC,EQ	.00054136	.00005085	.00017680	.00007046	.00104245	.00006663	.00011289	.00012011
91 MIN MACH,EQUP	.00189448	.00029219	.00130048	.00043895	.00039574	.00053309	.00052034	.00053741
92 ENGINES	.00112299	.00034132	.00177015	.00042592	.00036597	.00022005	.00070259	.00064182
93 METAL WK MACH	.00029870	.000661030	.00080680	.00013951	.00013369	.00228286	.00164420	.00149994
94 IND PROC MACH	.00030360	.00017152	.00042389	.00021989	.00023939	.00015296	.00028410	.00081747
95 GEN IND MACH	.00235135	.00064855	.00169873	.00058564	.00100423	.00096055	.00096704	.00111960
96 REFRIG MACH	.00011293	.00004108	.00014622	.00009872	.00005658	.00006382	.00011745	.00007073
97 COMPU,ACCT MACH	.00175334	.00044363	.01759494	.00062994	.00054652	.03350386	.00272012	.00067584
98 ELEC INST,AP	.00136559	.00053181	.00207543	.00158829	.000869302	.00093169	.01282926	.00056167
99 ELEC HSLD EQ	.00006634	.00004724	.00007023	.00003838	.00005384	.00010990	.00005732	.00007797
100 ELEC COMM EQ	.00066726	.00029470	.00117175	.00038271	.00097208	.00042198	.00063357	.00038408

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 73 *	* SECTOR 74 *	* SECTOR 75 *	* SECTOR 76 *	* SECTOR 77 *	* SECTOR 78 *	* SECTOR 79 *	* SECTOR 80 *
101 OTH ELEC APP	.00063871	.00021550	.00054981	.00025644	.00024402	.00021857	.00033790	.00026148
102 AIRCRAFT	.00002428	.00000386	.00003145	.00000801	.00000285	.00000297	.00000366	.00000662
103 AIRCRAFT ENG	.00000050	.00000012	.00003832	.00000015	.00000008	.00000031	.00000019	.00000020
104 OTH AIRCRAFT	.00002682	.00001654	.00003243	.00001665	.00001154	.00001099	.00001171	.00001733
105 MOTOR VHCL,P	.00098090	.00065513	.00112458	.00160466	.00084255	.00105523	.00102713	.00085103
106 SHIP,BT BLDG	.00041744	.00010464	.00010363	.00003689	.00020024	.00009495	.00024051	.00038915
107 OTH TRANS EQ	.00020332	.00010361	.00014474	.00008947	.00010309	.00004985	.00020689	.00007957
108 SCIENTIF INS	.00004724	.00001807	.00004811	.00002359	.00002179	.00002389	.00002407	.00002321
109 MECH MSRG DV	.00014990	.00004884	.00020659	.00005492	.00006796	.00005988	.00008883	.00007862
110 MEDICAL INST	.00016710	.00009428	.00016072	.00011069	.00017159	.00015096	.00015503	.00021576
111 PHO, TM, OPT I	.00009002	.00007040	.00009890	.00007555	.00007551	.00011378	.00011402	.00009171
112 GAMES, TOYS	.00000577	.00000415	.00000541	.00000561	.00000510	.00000658	.00000685	.00000511
113 OTH MFG IND	.00047413	.00020994	.00411171	.00052198	.00043070	.00051617	.00201657	.00033501
114 RAIL TRANS	.02792798	.02446834	.00910849	.01729376	.02414832	.00940062	.04622291	.01128631
115 INTERCTY HGY	.00016593	.00021859	.00007042	.00011111	.00046397	.00007438	.00026708	.00010583
116 MOTOR FRT STR	.01928459	.01934705	.02920940	.00917698	.02023850	.02764247	.02253767	.01834289
117 WATER TRANS	.01394488	.00346686	.00295600	.00104985	.00678841	.00294043	.00812128	.00439450
118 AIR TRANS	.00123708	.00223641	.00125183	.00175887	.00147151	.00135635	.00135342	.00202770
119 PIPELINE TRN	.00186356	.00317441	.00222543	.00089059	.00210339	.00308245	.00188056	.00315701
120 LOC,SUB TRAN	.00000302	.00000285	.00000457	.00001195	.00000298	.00000574	.00000473	.00000447
121 OTH TRAN SER	.00075152	.00092741	.00066995	.00043037	.00072732	.00066157	.00103140	.00065682
122 TELEP, TELEGR	.00453107	.00463830	.00544793	.00396092	.00441719	.00853425	.00574319	.00661490
123 RADIO , TV	.00042579	.00051961	.00051581	.00085849	.00046090	.00074701	.00047506	.00057832
124 OTH COMMUNIC	.00004384	.00002694	.00004995	.00004497	.00003029	.00006128	.00005327	.00005000
125 GAS SERVICES	.04207946	.02170030	.02428445	.04767420	.04540582	.03740080	.03470497	.02111017
126 ELEC SERVICES	.05088148	.02210846	.03594715	.04484716	.08620298	.03085858	.05226790	.02120420
127 WATER,SANI SER	.00217552	.00217841	.00259142	.00469431	.00332273	.00544466	.00244466	.00273690
128 WHL AUT PT,S	.00113975	.00122737	.00196239	.00146422	.01425779	.00176971	.00093650	.00108122
129 WHL GRO,RELP	.00045336	.00048839	.00057389	.00118307	.00046934	.00054488	.00044593	.00070234
130 WHL FM PROD	.00082321	.00129687	.00109087	.00036702	.00063066	.00124608	.00077594	.00130501
131 WHL LIVESTOC	.00007669	.00007754	.00009623	.00002867	.00003360	.00007251	.00004755	.00007862
132 WHL MAC,EQ,S	.01001634	.00628868	.03438583	.00291044	.00530172	.00808616	.02183569	.02936814
133 WHL PET,PETP	.00437452	.00303231	.00333125	.00490973	.00257093	.00242239	.00344761	.00349011
134 GEN WHL	.05408780	.01188197	.05975531	.01463426	.02118608	.02424341	.05546237	.04756701
135 LUMBER YARDS	.00042859	.00016530	.00058909	.00232935	.00052400	.00029944	.00047864	.00066137
136 FARM EQ DEAL	.00018622	.00054407	.00099860	.00024776	.00015330	.00008563	.00026908	.00025830
137 HDW,HT,E,P,W	.00091549	.00011879	.00179365	.00010306	.00087121	.00066715	.00071174	.00209763
138 DEPT,VAR STO	.00204812	.00045368	.00283915	.00019038	.00225036	.00144632	.00152325	.00469044
139 FOOD STORES	.00014456	.00015686	.00019950	.00011770	.00014283	.00012721	.00012038	.00025260
140 AUTO DEAL,RP	.00220436	.00197148	.00241230	.13457464	.00625251	.00611767	.00483797	.00285955
141 GAS SER STAT	.00046618	.00057639	.00077535	.00074604	.00043145	.00042839	.00059365	.00073106
142 APPRL ACC ST	.00000622	.00000635	.00001114	.00000304	.00001845	.00001266	.00000680	.00000573
143 FURN,HH F,EQ	.00039343	.00004013	.00050545	.00005539	.00082593	.00028577	.00029093	.00083627
144 EAT,DRINK PL	.00059522	.00091329	.00094267	.00045443	.00097203	.00129280	.00117990	.00171886
145 OTHER RETAIL	.00080669	.00063952	.00226498	.00040355	.00087309	.00076862	.00064661	.00139309
146 BANK,CRD AGE	.02237550	.01520373	.01615972	.02508995	.01724010	.07765536	.01376223	.02478111
147 INSURANCE CA	.00659041	.01306366	.01306366	.00855530	.00836111	.01553576	.00944592	.01465363
148 F.I.R.E. NEC	.01444428	.01121516	.01409592	.01424929	.01661083	.03850519	.01469230	.01379261
149 LEGAL SERVIC	.00283102	.00283943	.00332826	.00243928	.00506791	.00545284	.00404082	.00476035
150 LODGING SERV	.00066160	.00098416	.00099418	.00061572	.00069030	.00621473	.00118919	.00175420

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 73 *	SECTOR 74 *	SECTOR 75 *	SECTOR 76 *	SECTOR 77 *	SECTOR 78 *	SECTOR 79 *	SECTOR 80 *
151 PERSONAL SER	.00015592	.00022991	.00050241	.00046686	.00016599	.00039069	.00063546	.00091692
152 ADVERTISING	.00055833	.00068592	.00051393	.00052134	.00149364	.00063619	.00075501	.00064790
153 DUPL, ADDRESS	.00010978	.00008240	.00010282	.00021576	.00017487	.00018924	.00011687	.00013498
154 PRI EMPL AGE	.00013007	.00019973	.00014625	.00009731	.00011763	.00032435	.00069387	.00026483
155 PHOTO SERVIC	.00038057	.00051200	.00038965	.00036235	.00041569	.00076511	.00046580	.00053893
156 RESRCH,DEVEL	.00020626	.00032259	.00033895	.00116107	.00042024	.00042602	.00023816	.00091323
157 OTHER BUS SE	.00299619	.00429049	.00375045	.00379183	.00227221	.01345894	.00453318	.00484450
158 MTN PCT,AP,R	.00007059	.00006369	.00008790	.00018635	.00008465	.00010798	.00008486	.00012972
159 AUTO RENT SE	.00107785	.00246458	.00156846	.00058905	.00144138	.00264914	.00156824	.00272533
160 AUTO PARKING	.00000886	.00000789	.00000908	.00001144	.00000833	.00002514	.00000796	.00001167
161 ELEC REP SHP	.00019336	.00014436	.00039454	.00032738	.00016035	.00017585	.00033619	.00022045
162 MISC REP SER	.00348011	.00538518	.00690990	.00259991	.00130950	.01311037	.00354854	.00683644
163 PHYS, DENT SE	.00004987	.00005269	.00015098	.00022474	.00009826	.00013079	.00008617	.00009342
164 HOSP, LAB SER	.00006396	.00007791	.00008840	.00013195	.00008337	.00013662	.00008127	.00011504
165 OTH MED SER	.00000915	.00000227	.00000319	.00000600	.00000858	.00000439	.00000333	.00011325
166 ED(PUB, PRI)	.00911185	.00610121	.00714014	.00811396	.00827297	.00872003	.00793916	.00713931
167 COLL, UNIV	.00429957	.00288668	.00312596	.00281568	.00341110	.00343287	.00333065	.00311186
168 OTH ED SER	.00000741	.00000467	.00000687	.00000362	.00000661	.00000942	.00000731	.00000708
169 ENG, ARCH SER	.00340136	.00178692	.00195324	.00145409	.00240907	.00245344	.01013858	.00199179
170 COMPU, ACCT SER	.00308139	.00283034	.00328437	.00341999	.00290895	.00493781	.00393935	.00425824
171 OTH PROF SER	.00004540	.00002083	.00003835	.00002675	.00013884	.00004762	.00002844	.00029255
172 OTHER SERVIC	.00134147	.00113430	.00130862	.00137340	.00137758	.00191254	.00148662	.00136153
173 ORD, ORD ACCS	.00000681	.00000065	.00237709	.00000066	.00000074	.00001200	.00000184	.00000284
174 OUTDOOR REC	.00045050	.00024877	.00030096	.00027861	.00027389	.00035880	.00030836	.00031243
175 SCRAP	.00175475	.00078964	.000751980	.04348441	.00575360	.00107996	.00223580	.00090680
TOTAL DIRECT/IND REQ	1.67369882	1.35109181	1.59115240	1.61200169	1.75425820	1.55591150	1.63434876	1.55138893

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 81 *	* SECTOR 82 *	* SECTOR 83 *	* SECTOR 84 *	* SECTOR 85 *	* SECTOR 86 *	* SECTOR 87 *	* SECTOR 88 *
1 IRR CCTON	.00007746	.00170933	.00006232	.00013911	.00007620	.00009652	.00011622	.00004431
2 IRR FOOD GRAIN	.00010362	.00289063	.00008436	.00016759	.00011095	.00013046	.00019292	.00005765
3 IRR FEED GRAIN	.00008847	.00237685	.00007106	.00012806	.00009284	.00010825	.00015611	.00005888
4 OTHER IRR CROP	.00015902	.00241619	.00017619	.00022365	.00025503	.00023810	.00020916	.00014322
5 DRYLAND COTTON	.00004067	.00099573	.00003344	.00006718	.00004108	.00002994	.00006683	.00002052
6 DRY FOOD GRAIN	.00007424	.00131934	.0001246	.00020250	.00005846	.00006762	.00008385	.00003376
7 DRY FEED GRAIN	.00010449	.00283276	.00008729	.00016938	.00011291	.00013079	.00018855	.00006097
8 OTHER DRY CROP	.00006013	.00149779	.00005277	.00009774	.00006600	.00005683	.00010184	.00003565
9 RANGE LIVESTOCK	.00035840	.00899804	.00030564	.00056909	.00041566	.00046465	.00059681	.00025056
10 FEEDLOT LIVSTK	.00061005	.01623722	.00050983	.00099176	.00071653	.00080277	.00105950	.00042570
11 DAIRY	.00017153	.00388136	.00015791	.00025075	.00017898	.00020360	.00027368	.00011971
12 POULTRY,EGGS	.00007802	.00191242	.00006985	.00012095	.00008262	.00009902	.00013211	.00004368
13 AG SUP EX FMC	.00007782	.00183769	.00007121	.00012537	.00008641	.00009539	.00012538	.00005079
14 COTTON GINNING	.00001418	.00032582	.00001157	.00002468	.00001416	.00001524	.00002204	.00000784
15 AGRY SERVICES	.00008494	.00176395	.00007649	.00012960	.00009519	.00010412	.00012621	.00005566
16 PRIM FORESTRY	.00037404	.00369977	.00105172	.00040512	.00042261	.00047366	.00036011	.00025573
17 FISHERIES	.00004708	.00104824	.00004196	.00006916	.00005102	.00003550	.00007502	.00002533
18 CRUDE PETRO	.01191665	.10714129	.01755390	.01373453	.01330568	.02678444	.01175417	.00915037
19 NATRL GAS LQDS.	.00065421	.01379396	.00071364	.00091077	.00065853	.00146882	.00107548	.00051399
20 OIL,GAS FLDSV	.00249205	.02468223	.00353073	.00289049	.00272523	.00556176	.00255015	.00191038
21 LIGNITE,OTH MINE	.00108231	.00634120	.00111473	.00095848	.00110267	.00234089	.00168551	.00205437
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00000384	.00001148	.00000249	.00000292	.00000393	.00000425	.00000241	.00000263
24 INDUS CONS	.00000003	.00000008	.00000002	.00000002	.00000003	.00000003	.00000002	.00000002
25 FACILITY CONS	.00001521	.00004543	.00000987	.00001154	.00001555	.00001681	.00000953	.00001040
26 MAINTEN,REPR	.01014047	.03033033	.00657314	.00771122	.01039020	.01123526	.00636925	.00694969
27 MEAT PRODUCTS	.00037737	.00169238	.00039013	.00042032	.00049055	.00046613	.00025260	.00029465
28 POULTRY PROD	.00002689	.00016337	.00003262	.00002462	.00002247	.00002844	.00002008	.00001816
29 DAIRIES	.00012877	.00053900	.00014957	.00010577	.00010851	.00012468	.00009039	.00008271
30 OTH GRAIN MIL	.00011430	.00280774	.00009354	.00016963	.00011867	.00014089	.00019433	.00007676
31 ANIMAL FEEDS	.00008744	.00221823	.00007342	.00011683	.00009555	.00010117	.00014968	.00005320
32 BAKERY PROD	.00005387	.00011741	.00006305	.00004996	.00006127	.00005994	.00003008	.00003905
33 CNND,PSVP,PCK	.00015100	.00043632	.00017665	.00013792	.00016498	.00016823	.00009589	.00010899
34 OTH FOOD PROD	.00029030	.00173620	.00028844	.00018770	.00016878	.00014259	.00017347	.00011277
35 BEVERAGES	.00139421	.00225839	.00148318	.00018023	.00026975	.00023433	.00019886	.00014814
36 TEXTILE MILL	.00018116	.00130128	.00013213	.00037230	.00013711	.00025690	.00011208	.00013187
37 MBWMC FURN	.00004497	.00019497	.00004748	.00003244	.00003996	.00003523	.00002981	.00004673
38 RELATED APPRL	.00001342	.00027762	.00057200	.00001736	.00001370	.00002423	.00002443	.00001743
39 LOGGING	.00029501	.00386863	.00061369	.00033238	.00032854	.00033281	.00032054	.00019275
40 LUMBER MILLS	.00026668	.00087828	.00018320	.00009658	.00018694	.00012505	.00015481	.00011775
41 MILLWORK,WOOD	.00103263	.00498743	.00497612	.00113647	.00123044	.00167903	.00083926	.00087780
42 WOOD FURN,FIX	.00011058	.00041482	.00013256	.00016503	.00019110	.00016527	.00012574	.00008394
43 MET FURN,FXIT	.00004412	.00010697	.00006149	.00004547	.00004821	.00007275	.00002915	.00003106
44 PAPER,PAP MIL	.00159986	.00669930	.00186209	.00110320	.00193105	.00101836	.00073806	.00089692
45 PAP EX BOX,CT	.00037808	.00244778	.00033633	.00038329	.00041771	.00059487	.00050965	.00030510
46 BOXES,PAP CNT	.00568901	.00779394	.00339419	.00136035	.00777180	.00066911	.00052427	.00107428
47 NEWSPAPERS	.00063097	.00071358	.00041284	.00049883	.00048419	.00066373	.00038140	.00101341
48 PUBLISHING	.00205418	.00147776	.00016904	.00161882	.00038696	.00074820	.00019989	.00034670
49 PRINTING	.00117649	.00206225	.00170563	.00303630	.00240482	.00076729	.00072705	.00383554
50 MANFLD BUS FM	.00036777	.00059557	.00025960	.00030330	.00016133	.00017526	.00017789	.00012885

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 81 *	SECTOR 82 *	SECTOR 83 *	SECTOR 84 *	SECTOR 85 *	SECTOR 86 *	SECTOR 87 *	SECTOR 88 *
51 OTH PRNT,PUBS	.00017763	.00051209	.00013900	.00013380	.00043441	.00048420	.00011491	.00016939
52 CHLOR,ALKALIE	.00058342	.00488783	.00100100	.00034828	.00062614	.00067047	.00041588	.00027624
53 CYCCRO INT,IG	.00091405	.00825067	.00393857	.00107197	.00082853	.00538419	.00073312	.00073651
54 ORG CHEM	.00350103	.04612906	.00838062	.00400150	.00429743	.02419326	.01002691	.00362319
55 INORG CHEM	.00061475	.00631439	.00072886	.00054650	.00087068	.01592578	.00060707	.00152906
56 FIBERS,PLASTI	.00237368	.01008072	.01764819	.00291231	.00137913	.03747359	.00069801	.00342152
57 SYN RUBBER	.00011351	.00086912	.00064126	.00010541	.00011891	.00024634	.00009947	.00089332
58 DRUGS	.00001052	.00009074	.00010000	.00000965	.00016870	.00001036	.00000859	.00003541
59 AGRIC CHEMICAL	.00015255	.00262480	.00015693	.00025334	.00018428	.00019298	.00021748	.00009843
60 SPS,CLNS,TOIL	.00019206	.00125010	.00017439	.00032134	.00011910	.00019716	.00016429	.00015219
61 PAINT+VARNISH	.00322958	.00146773	.01907427	.00211223	.00039096	.02085855	.00056819	.00207216
62 OTH CHEMICALS	.00073242	.00534984	.00077249	.00064330	.00067208	.01288273	.00052495	.00133026
63 PETRO REFING	.01327989	.010109209	.01460587	.01169262	.01030195	.03783751	.00994250	.01067814
64 OTH PETRO PRD	.00010887	.00045728	.00012963	.00009895	.00013722	.00025942	.00009332	.00010194
65 TIRES	.00050895	.00067986	.00322091	.00033807	.00034299	.00125370	.00025075	.00046734
66 FAB RUBBER PR	.00021148	.00132998	.00628668	.00011898	.00012731	.00022623	.00041267	.00028671
67 PLASTIC PRODS	.00346167	.01451254	.00849281	.01399015	.00140694	.00363425	.00052751	.00123251
68 LEATHER,L PRD	.00040208	.00040398	.00043714	.00121915	.00009051	.00014371	.00015344	.00060479
69 GLASS	.00022535	.01251497	.00021363	.00017397	.00024753	.00016965	.00018227	.00010925
70 CLAY	.00085936	.00037429	.00008183	.00007296	.00009870	.00011350	.00006869	.00008159
71 CUT ST,CL,SH	.00282296	.00418482	.00050549	.00046820	.00045129	.00316662	.00224797	.00052418
72 CEMENT,CONCRT	.00040607	.00204446	.00030783	.00034458	.00045532	.00053437	.00031045	.00028809
73 BLAST FURNACE	.00514795	.00383426	.00087922	.00226703	.00242530	.00177881	.01094382	.02471039
74 PRI STEEL,IRO	.00331760	.00120430	.00428438	.00098406	.00850774	.00259947	.00318297	.00447952
75 FOUNDRIES	.00038970	.00270296	.02000575	.00060272	.00044841	.00680144	.06843602	.00778261
76 NONFER SMELTG	.00059261	.00772923	.00187773	.00057682	.00118850	.01402656	.00340550	.00246562
77 AL SHLT ROL DR	.00783565	.06584152	.04568497	.00111119	.01153558	.00140817	.00101142	.00092794
78 CAST,FORMINGS	.00046702	.00090041	.00089231	.01138028	.00123951	.00008347	.00293131	.00015170
79 FABRI STEEL	.06895224	.00202597	.00180285	.00022541	.00036703	.00077593	.00070951	.00126683
80 PLATE WORK	.00014475	.00083601	.00010095	.00364370	.00257485	.00328256	.00078976	.00447330
81 SH MET,ARCH	1.07519606	.00479945	.00831193	.00091376	.00227060	.00927551	.00113622	.00121656
82 METAL DOORS	.00001571	1.00166300	.00001436	.00004295	.00001884	.00002133	.00001037	.00131947
83 FAB MET PROD	.00111322	.00623257	1.00279461	.00060194	.00072308	.01298248	.00207896	.00520400
84 PLUMBING	.00027907	.00057448	.00007971	1.00005999	.00021622	.00008615	.00016699	.00009433
85 BOLTS,NUTS,SC	.00374301	.00683838	.00230345	.00125908	1.00614405	.00040607	.00222725	.00952408
86 ELCTPLT,CT,EN	.00651059	.00331824	.00555895	.00185542	.00692463	1.01401647	.00070276	.07619268
87 VALVE,PIPE FT	.00077300	.00336471	.00108982	.00082775	.00076938	.00082683	1.01059485	.00061067
88 OTH FAB MET P	.00012042	.00142317	.00013012	.002414815	.00055576	.00010716	.00012422	1.03959378
89 FM,CONS,IND M	.00012267	.00042932	.00011929	.00011820	.00011305	.00014642	.00011071	.00011150
90 MTL HDL MC,EQ	.00094411	.00049733	.00009200	.00004192	.00004802	.00007073	.00006240	.00004718
91 MIN MACH,EOUP	.00020388	.00272723	.00025812	.00025129	.00023517	.00037093	.01009968	.00018271
92 ENGINES	.00065846	.00128004	.00021276	.00028730	.00014124	.00015264	.00031896	.00017106
93 METAL WK MACH	.00026531	.01100529	.00012824	.00026961	.00452781	.00010639	.00643566	.00579236
94 IND PROC MACH	.00031392	.00140962	.00032501	.00025300	.00034944	.01629379	.00012802	.00132781
95 GEN IND MACH	.00164355	.00340046	.00088937	.00068790	.00064513	.00202063	.00095346	.00069139
96 REFRIG MACH	.00005766	.00033005	.00005412	.00005257	.00184448	.00005407	.00006376	.00006971
97 COMPU,ACCT MACH	.00054509	.00497308	.00092634	.00098077	.00300975	.00070793	.00181836	.00258476
98 ELEC INST,AP	.00167658	.00300918	.00089111	.01591355	.00085326	.00108673	.00058669	.00052278
99 ELEC HSLD EQ	.00011147	.00004857	.00005121	.00006874	.00004123	.00003426	.00003688	.00004842
100 ELEC COMM EQ	.00031841	.00212910	.00036859	.00067450	.00031353	.00031256	.00029081	.00034373

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 81 *	* SECTOR 82 *	* SECTOR 83 *	* SECTOR 84 *	* SECTOR 85 *	* SECTOR 86 *	* SECTOR 87 *	* SECTOR 88 *
101 OTH ELEC APP	.00021703	.00160897	.00019351	.00030808	.00021926	.00021948	.00017258	.00487949
102 AIRCRAFT	.00000441	.00010964	.00000415	.00000564	.00000313	.00000420	.00000511	.00000354
103 AIRCRAFT ENG	.00000010	.00000188	.00000083	.00000015	.00000011	.00000037	.00000270	.00000035
104 OTH AIRCRAFT	.00002470	.00009372	.00001865	.00002908	.00001850	.000075169	.00001387	.00006603
105 MOTOR VHCL,P	.000084512	.00112740	.00444978	.00081745	.00062889	.00075739	.00040965	.00066866
106 SHIP,BT BLDG	.00028377	.00016360	.00013305	.00012406	.00004207	.00004691	.00004713	.00002997
107 OTH TRANS EQ	.00008909	.00033492	.00006337	.00004933	.00169205	.00003053	.00004846	.00006948
108 SCIENTIF INS	.00001640	.00013789	.00002546	.00001812	.00001849	.00001761	.00001478	.00001222
109 MECH MSRG DV	.00008455	.00037642	.00007025	.00005722	.00006177	.00006750	.00006152	.00031904
110 MEDICAL INST	.00019188	.00035326	.00013210	.00010002	.00012918	.00013275	.00007144	.00006780
111 PHO,TH,OPT I	.00008455	.00015464	.00009590	.00011030	.00012095	.00006777	.00005375	.00006418
112 GAMES,TOYS	.00000502	.00000775	.00000571	.00000455	.00000555	.00000426	.00000292	.00000526
113 OTH MFG IND	.00147410	.00180798	.00057156	.00032750	.00143897	.00049917	.00047617	.00180913
114 RAIL TRANS	.01739860	.00701972	.01107482	.00995059	.00694504	.00376702	.00497847	.01087153
115 INTERCTY HGV	.00011424	.00006585	.00008556	.00199316	.00004991	.00003142	.00003591	.00007501
116 MOTOR FRT STR	.02779201	.00890901	.02030182	.01583855	.02072705	.01913560	.01068329	.02112740
117 WATER TRANS	.00976077	.00313161	.00445320	.00411575	.00126069	.00142556	.00144211	.00084113
118 AIR TRANS	.00284423	.00145705	.00184724	.00402322	.00183677	.00154338	.00160392	.00133829
119 PIPELINE TRN	.00182108	.00257664	.00484458	.00270083	.00126930	.00136979	.00137889	.00054064
120 LOC,SUB TRAN	.00000422	.00000427	.00000354	.00000393	.00000389	.00000318	.00000257	.00000351
121 OTH TRAN SER	.00479473	.00103854	.00100748	.00062740	.00064687	.00101083	.00031658	.00032414
122 TELEP,TELEGR	.00789093	.00631681	.00532343	.00554911	.00698953	.00612236	.00460780	.00512894
123 RADIO , TV	.00139553	.00068423	.00066069	.00048772	.00052934	.00037356	.00033203	.00060746
124 OTH COMMUNIC	.00008789	.00009416	.00005131	.00004019	.00004723	.00003504	.00010184	.00002766
125 GAS SERVICES	.01345363	.01903057	.02488006	.01395719	.01672268	.02991459	.00887287	.01004225
126 ELEC SERVICES	.01344445	.01896398	.02302573	.01468541	.02217749	.03715783	.00973242	.01518509
127 WATER,SANI SERV	.00223009	.00241911	.00359073	.00259561	.00457765	.02134061	.00153944	.00376701
128 WHL AUT PT,S	.00108495	.00185943	.00240492	.00075574	.00063128	.00085964	.00054814	.00066685
129 WHL GRO,RELP	.00040524	.00063214	.00092988	.00054624	.00040118	.00098189	.00038464	.00061434
130 WHL FM PROD	.00072353	.00156820	.00198645	.00111788	.00052081	.00049574	.00059682	.00021862
131 WHL LIVESTOC	.00004158	.00025660	.00010385	.00006546	.00003447	.00002494	.00004038	.00001113
132 WHL MAC,EQ,S	.01042539	.00625299	.00885698	.00657990	.01507887	.00826860	.01651272	.01763160
133 WHL PET,PETP	.00245113	.00313100	.00417111	.00227909	.00142618	.00199104	.00151833	.00215082
134 GEN WHL	.03425998	.01389309	.03049706	.04994535	.01548627	.01704439	.02441013	.04210058
135 LUMBER YARDS	.00018879	.00029717	.00023249	.00042822	.00023232	.00038156	.00037709	.00072508
136 FARM EQ DEAL	.00010158	.00016708	.00012831	.00015850	.00019791	.00099137	.00021133	.00061790
137 HDW,HT,E,P,W	.00026600	.00026272	.00028666	.00095787	.00028840	.00017432	.00121789	.00249873
138 DEPT,VAR STO	.00041865	.00064998	.00079060	.00299645	.00071275	.00083403	.00265260	.00581707
139 FOOD STORES	.00012323	.00019069	.00021505	.00015586	.00011902	.00025165	.00014576	.00029827
140 AUTO DEAL,RP	.00187517	.00287175	.00243968	.00208900	.00120775	.01191877	.00155375	.00240189
141 GAS SER STAT	.00056329	.00094606	.00053901	.00043777	.00043764	.00295803	.00032023	.00064967
142 APRRL ACC ST	.00001935	.00010557	.00006897	.00002189	.00000793	.00000525	.00000633	.00001313
143 FURN,HH F,EQ	.00005729	.00024344	.00017184	.00171326	.00014301	.00004693	.00047197	.00100033
144 EAT,DRINK PL	.00153125	.00166927	.00134907	.00153484	.00281423	.00226520	.00058295	.00125839
145 OTHER RETAIL	.00052489	.00118985	.00151678	.00097487	.00221062	.00173436	.00089344	.00157662
146 BANK,CRD AGE	.01969850	.01538660	.02339763	.01397063	.01760810	.02453966	.01134095	.01134095
147 INSURANCE CA	.01251049	.01230846	.01194386	.00676491	.01104518	.01164727	.00970965	.00658234
148 F.I.R.E., NEC	.01264590	.01535632	.01553677	.01191780	.00958426	.02689440	.00951833	.01539631
149 LEGAL SERVIC	.00770483	.00272203	.00349970	.00278613	.00331909	.01262624	.00393683	.00359119
150 LODGING SERV	.00137656	.00096645	.00133557	.00203928	.00121117	.00090075	.00210605	.00097911

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 81 *	SECTOR 82 *	SECTOR 83 *	SECTOR 84 *	SECTOR 85 *	SECTOR 86 *	SECTOR 87 *	SECTOR 88 *
151 PERSONAL SER	.00031724	.00045095	.00041261	.00027679	.00019901	.00014509	.00017765	.00016537
152 ADVERTISING	.00579969	.00092501	.00095371	.00106320	.00066715	.00046256	.00038148	.00255888
153 DUPL, ADDRESS	.00020437	.00011792	.00011580	.00009889	.00008907	.00012397	.00006819	.00012626
154 PRI EMPL AGE	.00017620	.00011053	.00028435	.00021528	.00016899	.00011856	.00010985	.00006332
155 PHOTO SERVIC	.00061614	.00042219	.00069597	.00055375	.00038886	.00028964	.00028398	.00025622
156 RESRCH, DEVEL	.00023639	.00022717	.00071310	.00036391	.00045966	.00026408	.00019700	.00006629
157 OTHER BUS SE	.00280483	.00413694	.00374470	.00740216	.00405168	.00398849	.00281032	.00159786
158 MTN PCT, AM, R	.00010129	.00010536	.00011888	.00012352	.00013019	.00011865	.00006121	.00116575
159 AUTO RENT SE	.00118550	.00669949	.00298473	.00229628	.00113195	.00104724	.00101274	.00167202
160 AUTO PARKING	.00000934	.00000818	.00001012	.00000676	.00000840	.00001125	.00000949	.00000621
161 ELEC REP SHP	.00020434	.00032368	.00019159	.00021113	.00013199	.00026321	.00018946	.00015994
162 MISC REP SER	.00154967	.00291798	.00406519	.00157227	.00353368	.00127520	.00193314	.00237902
163 PHYS, DENT SE	.00006969	.00015019	.00009036	.00009000	.00005258	.00006723	.00005652	.00004077
164 HOSP, LAB SER	.00010771	.00009393	.00010994	.00007645	.00009258	.00007821	.00006203	.00006466
165 OTH MED SERV	.00001220	.00000515	.00003313	.00000311	.00000292	.00000489	.00000740	.00000273
166 ED (PUB, PRI)	.00692630	.01096311	.00869418	.00588372	.00508906	.00671575	.00405316	.00441844
167 COLL, UNIV	.00243040	.00493172	.00401892	.00275311	.00260408	.00244380	.00165662	.00157152
168 OTH ED SERV	.00000967	.00000590	.00000599	.00000569	.00000551	.00000828	.00000452	.00000489
169 ENG, ARCH SER	.00171659	.00262699	.00243128	.00149109	.00133635	.00183839	.00088191	.00068826
170 COMPU, ACCT SERV	.00343580	.00299519	.00372768	.00694448	.00759731	.00268036	.00268097	.00348845
171 OTH PROF SER	.00004426	.00013966	.00005915	.00002261	.00128894	.00002920	.00003641	.00003207
172 OTHER SERVIC	.00172085	.00372498	.00146046	.00123422	.00522558	.00093771	.00077910	.00095392
173 ORD, ORD ACCS	.00000092	.00000638	.00004724	.00000142	.00000106	.00001606	.00016160	.00001838
174 OUTDOOR REC	.00029511	.00048294	.00040980	.00021925	.00016555	.00021231	.00015962	.00022354
175 SCRAP	.00055970	.00076367	.00147984	.00063791	.00036226	.00079734	.00093762	.00026340
TOTAL DIRECT/IND REQ	1.50756453	1.85774935	1.49322372	1.37557773	1.33777773	1.59389158	1.35910523	1.47073981

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 89 *	SECTOR 90 *	SECTOR 91 *	SECTOR 92 *	SECTOR 93 *	SECTOR 94 *	SECTOR 95 *	SECTOR 96 *
1 IRR COTTON	.00016962	.00008616	.00016226	.00008367	.00003395	.00006585	.00010155	.00008683
2 IRR FOOD GRAIN	.00024688	.00011308	.00024473	.00013547	.00004209	.00009113	.00011949	.00009808
3 IRR FEED GRAIN	.00021074	.00007396	.00020365	.00011004	.00004451	.00008840	.00008209	.00008118
4 OTHER IRR CROP	.00028593	.00012519	.00027035	.00024848	.00013204	.00022777	.00014953	.00018569
5 DRYLAND COTTON	.00009062	.00004568	.00008914	.00004807	.00001692	.00003075	.00004293	.00004266
6 DRY FOOD GRAIN	.00011468	.00002659	.00011059	.00006139	.00002342	.00004231	.00006753	.00036337
7 DRY FEED GRAIN	.00026616	.00010703	.00024163	.00013811	.00004847	.00008412	.00011188	.00009766
8 OTHER DRY CROP	.00013226	.00003744	.00013158	.00008107	.00003618	.00005671	.00005495	.00005642
9 RANGE LIVESTOCK	.00078501	.00031916	.00078788	.00049339	.00020423	.00039199	.00032726	.00032532
10 FEEDLOT LVSTK	.00137239	.00054832	.00139461	.00085542	.00030785	.00064313	.00056103	.00055202
11 DAIRY	.00034303	.00016078	.00035281	.00021845	.00013795	.00018649	.00016703	.00015584
12 POULTRY, EGGS	.00220322	.00007716	.00016958	.00010293	.00005701	.00008284	.00008599	.00007402
13 AG SUP EX FMC	.00034091	.00006829	.00016466	.00010147	.00004596	.00008083	.00005018	.00009286
14 COTTON GINNING	.00003124	.00001573	.00003022	.00001593	.00000615	.00001170	.00001722	.00001550
15 AGR SERVICES	.00039416	.00016796	.00016796	.00010783	.00004958	.00008149	.00008182	.00010249
16 PRIM FORESTRY	.00043588	.00024557	.00049297	.00028631	.00018553	.00038690	.00058969	.00084620
17 FISHERIES	.00009351	.00004453	.00009615	.00006191	.00003550	.00004682	.00004135	.00004452
18 CRUDE PETRO	.01533876	.00849544	.01548588	.01135174	.00747826	.01386472	.01190233	.01091438
19 NATRL GAS LQDS.	.00142597	.00060324	.00127384	.00071596	.00033443	.00056731	.00089787	.00065621
20 OIL, GAS FLOSV	.00338008	.00181651	.00334748	.00239892	.00151125	.00282579	.00248243	.00227408
21 LIGNITE, OTH MINE	.00379396	.00059590	.00173695	.00067728	.00162036	.00221170	.00255802	.00085049
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM, ED, INST	.00000313	.00000143	.00000453	.00000381	.00000205	.00000207	.00000245	.00000369
24 INDUS CONS	.00000002	.00000001	.00000003	.00000003	.00000001	.00000001	.00000002	.00000002
25 FACILITY CONS	.00001238	.00000564	.00001790	.00001506	.00000813	.00000819	.00000967	.00001458
26 MAINTEN, REPR	.00827413	.00376989	.01195850	.01006577	.00542817	.00547172	.00646273	.00974176
27 MEAT PRODUCTS	.00035785	.00024039	.00037918	.00049502	.00052841	.00073883	.00026352	.00036748
28 POULTRY PROD	.00004022	.00001633	.00002837	.00003088	.00005583	.00007180	.00002146	.00002063
29 DAIRIES	.00010414	.00007256	.00012304	.00013641	.00024516	.00021022	.00009628	.00010130
30 OTH GRAIN MIL	.00026408	.00011231	.00024517	.00014043	.00005521	.00010706	.00016771	.00010361
31 ANIMAL FEEDS	.00087772	.00007076	.00019397	.00010056	.00005355	.00008793	.00008457	.00008086
32 BAKERY PROD	.00003730	.00003328	.00004902	.00006574	.00009701	.00011575	.00003991	.00004737
33 CNND, PSVP, PCK	.00011738	.00009136	.00013997	.00018322	.00027845	.00029099	.00011248	.00013047
34 OTH FOOD PROD	.00022914	.00011457	.00021188	.00017247	.00019020	.00020510	.00013500	.00014467
35 BEVERAGES	.00026889	.00013685	.00026729	.00016639	.00019342	.00027746	.00019146	.00017410
36 TEXTILE MILL	.00028901	.00022936	.00025777	.00010458	.00010148	.00024197	.00033832	.00027089
37 MBWMC FURN	.00003218	.00002200	.00006287	.00002736	.00003057	.00006179	.00003788	.00004500
38 RELATED APPRL	.00003236	.00001598	.00003798	.00000797	.00001027	.00002970	.00002010	.000155716
39 LOGGING	.00039673	.00021047	.00042519	.00023855	.00013429	.00028283	.00044241	.00045436
40 LUMBER MILLS	.00013238	.00005801	.00023484	.00015114	.00011112	.00015046	.00033983	.00027110
41 MILLWORK, WOOD	.00101916	.00068106	.00124242	.00075910	.00070096	.00126045	.00183390	.00300397
42 WOOD FURN, FIX	.00012991	.00007250	.00015207	.00012341	.00009629	.00016787	.00015604	.00013805
43 MET FURN, FIXT	.00003419	.00002660	.00004287	.00003975	.00003463	.00007210	.00003685	.00041203
44 PAPER, PAP MIL	.00084444	.00052767	.00093172	.00051698	.00036888	.00154759	.00278093	.00099949
45 PAP EX BOX, CT	.00035571	.00045242	.00041313	.00025689	.00019429	.00038115	.00085670	.00025404
46 BOXES, PAP CNT	.00066210	.00074068	.00078475	.00037182	.00047110	.00045448	.01147874	.00365052
47 NEWSPAPERS	.00046497	.00043005	.00048542	.00039564	.00037214	.00057901	.00043152	.00067065
48 PUBLISHING	.00041265	.00025471	.00044965	.00011724	.00017434	.00182261	.00063152	.00029746
49 PRINTING	.00160151	.00085491	.00096209	.00059993	.00070728	.00305781	.00092854	.00098068
50 MANFLD BUS FM	.00015778	.00015260	.00017513	.00014410	.00015291	.00017349	.00019316	.00014633

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	SECTOR 89 *	SECTOR 90 *	SECTOR 91 *	SECTOR 92 *	SECTOR 93 *	SECTOR 94 *	SECTOR 95 *	SECTOR 96 *
51 OTH PRNT, PUBS	.00014071	.00023398	.00013319	.00036295	.00025940	.00016658	.00009592	.00011709
52 CHLOR, ALKALIE	.00067302	.00023173	.00057013	.00041318	.00669296	.00062323	.00045056	.00059379
53 CYCCRO INT, IG	.00187677	.00040412	.00094360	.00046450	.00021954	.00048000	.00115640	.00119310
54 ORG CHEM	.00646342	.00231687	.00495198	.00270199	.00134368	.00258500	.01787446	.00386784
55 INORG CHEM	.00088326	.00032536	.00086026	.00036684	.00053337	.00044775	.00093007	.00047705
56 FIBERS, PLASTI	.00100564	.00056348	.00131035	.00063456	.00061562	.00101839	.00125480	.00667690
57 SYN RUBBER	.00393889	.00008755	.00024262	.00011335	.00003823	.00008899	.00012858	.00026681
58 DRUGS	.0003708	.0000881	.00008012	.00000775	.00001096	.00004629	.00001332	.00001028
59 AGRI CHEMICAL	.00034387	.00013142	.00029445	.00015802	.00008630	.00015957	.00016451	.00019812
60 SPS, CLNS, TOIL	.00019774	.00009420	.00028769	.00049519	.00008550	.00022378	.00016096	.00011495
61 PAINT+VARNISH	.00065015	.00021257	.00089935	.00023549	.00030786	.00090225	.00453655	.00150980
62 OTH CHEMICALS	.00150627	.00030512	.00066318	.00035811	.00054115	.00048476	.00074322	.00079886
63 PETRO REFING	.01914250	.00819679	.01405625	.00952773	.00588150	.01210608	.01103851	.01030123
64 OTH PETRO PRD	.00011653	.00005250	.00020217	.00009265	.00008404	.00012821	.00009876	.00038114
65 TIRES	.02546508	.00034542	.00098998	.00048631	.00017069	.00039344	.00057248	.00031299
66 FAB RUBBER PR	.00023228	.00162126	.00153754	.00010014	.00005064	.00055010	.00047409	.013367277
67 PLASTIC PRODS	.00113459	.00049534	.00117620	.00046847	.00071794	.00117655	.00266130	.03492528
68 LEATHER, L PRD	.00017343	.00012326	.00015057	.00002018	.00002387	.00062060	.00015618	.00017764
69 GLASS	.00023781	.00011353	.00025580	.00017869	.00008891	.00013090	.00077672	.00012489
70 CLAY	.00013531	.00003798	.00016323	.00009176	.00005507	.00006258	.00010548	.00011959
71 CUT ST, CL, SH	.00052034	.00023397	.00128396	.00036221	.00038340	.00053460	.02402464	.00059667
72 CEMENT, CONCRT	.00039112	.00018652	.00052791	.00039931	.00022194	.00029703	.00040590	.00038094
73 BLAST FURNACE	.05459297	.00273537	.01263661	.00150336	.01707148	.02550067	.03125281	.00199495
74 PRI STEEL, IRO	.00438810	.01094275	.00502657	.00020144	.00113112	.02081578	.00245895	.00423909
75 FOUNDRIES	.00453408	.00262630	.00902816	.00095742	.00040189	.03310969	.02017313	.00082330
76 NONFER SMELTG	.00066739	.00044215	.00083527	.00071112	.06691605	.00067675	.00227128	.00121287
77 AL SMLT ROL DR	.00261358	.00082814	.00455527	.01193155	.00211820	.00177225	.00250028	.02410543
78 CAST, FORGINGS	.00230979	.00172101	.00781307	.00029594	.01308015	.00018841	.00380018	.00194914
79 FABRI STEEL	.00458280	.00015825	.00454765	.00017034	.00016839	.00052927	.00336001	.02883612
80 PLATE WORK	.00039580	.00010395	.00050786	.00008735	.00021116	.00073348	.01008930	.00015875
81 SH MET, ARCH	.00119234	.00062412	.01378407	.00067706	.00058422	.00223105	.02675263	.00244649
82 METAL DOORS	.00001351	.00001103	.00002180	.00001532	.00001344	.00001570	.00001374	.00001584
83 FAB MET PROD	.00634383	.00529015	.01236280	.00142049	.00056259	.02379633	.00377947	.00206287
84 PLUMBING	.00015369	.00003514	.00022574	.00012387	.00011876	.00016187	.00040459	.00008698
85 BOLTS, NUTS, SC	.00564363	.00322892	.00816168	.00048011	.01597559	.00067345	.00429910	.01196610
86 ELCIPL, CT, EN	.00024766	.00016763	.00216407	.00016988	.00736926	.00023015	.00138631	.00025107
87 VALVE, PIPE FT	.00067694	.00865834	.01110174	.00088162	.00035348	.00245444	.00662419	.00771729
88 OTH FAB MET P	.00014882	.00006418	.00017735	.00009648	.00018329	.00011615	.00121981	.00101141
89 FH, CONS, IND M	1.00026963	.00011448	.00022359	.00010947	.00101421	.00011829	.00280880	.00018214
90 MTL HOL MC, EQ	.00008468	1.00018170	.00110352	.00003079	.00003302	.00030570	.00123521	.00006859
91 MIN MACH, EQUIP	.00045637	.00025885	1.01170893	.00022753	.00038399	.00027749	.00054081	.00027333
92 ENGINES	.00080219	.00009212	.00776476	.00008674	.00015019	.00150193	.00022228	.00038521
93 METAL WK MACH	.00054148	.00235804	.00111678	.00010952	1.00042427	.00042096	.00865515	.00033797
94 IND PROC MACH	.00039607	.00006650	.00023603	.00009868	.00019095	1.00767996	.00121625	.00037409
95 GEN IND MACH	.00352223	.00130014	.00412178	.00286237	.00193581	.00577600	1.00388062	.000522117
96 REFRIG MACH	.00007545	.00003729	.00113071	.00004583	.00006641	.00006215	.00005335	1.013367614
97 COMP, ACCT MACH	.01825264	.00044825	.01381724	.00393316	.00783233	.00466235	.02171206	.00097174
98 ELEC INST, AP	.01342430	.00075199	.00638444	.00718509	.00037330	.00167686	.00248976	.04149668
99 ELEC HSLD EQ	.00006165	.00002690	.00003828	.00002837	.00002835	.00005122	.00002803	.00015142
100 ELEC COMM EQ	.00053153	.00018237	.00061556	.00125034	.00015262	.00057442	.00053656	.000205981

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 89 *	SECTOR 90 *	SECTOR 91 *	SECTOR 92 *	SECTOR 93 *	SECTOR 94 *	SECTOR 95 *	SECTOR 96 *
101 OTH ELEC APP	.00026894	.00013002	.00027801	.00023311	.00009154	.00234642	.00666549	.00018010
102 AIRCRAFT	.00000382	.00000302	.00001123	.00000331	.00000384	.00000734	.00000504	.00000467
103 AIRCRAFT ENG	.00000055	.00000017	.00000051	.00000014	.00000007	.00000133	.00000085	.00000013
104 OTH AIRCRAFT	.00001012	.00000880	.00002192	.00001520	.00002056	.00003007	.00001264	.00001922
105 MOTOR VHCL,P	.00132315	.00073806	.00083447	.00264024	.00035141	.00088325	.00081802	.00125150
106 SHIP,BT BLDG	.00005718	.00002959	.00010617	.00007255	.00002026	.00007074	.00006461	.00004984
107 OTH TRANS EQ	.00005714	.00002098	.00009054	.00003564	.00004938	.00009034	.00005428	.00005452
108 SCIENTIF INS	.00001456	.00001089	.00016872	.00001544	.00001397	.00003077	.00003260	.00001486
109 MECH MSRG DV	.00010308	.00004481	.00030400	.00008145	.00004661	.00013149	.01685651	.00013978
110 MEDICAL INST	.00009249	.00021302	.00010825	.00008823	.00011106	.00019463	.00009540	.00008535
111 PHO,TH,OPT I	.00006442	.00006789	.00011237	.00011598	.00007142	.00019508	.00008707	.00007860
112 GAMES,TOYS	.00000355	.00000292	.00000486	.00000640	.00000541	.00000920	.00000380	.00000389
113 OTH MFG IND	.00098014	.00080210	.00049717	.00027505	.00130889	.00049003	.00273720	.00036298
114 RAIL TRANS	.00418439	.00212361	.00559793	.00623558	.00333412	.00793837	.00815073	.00461926
115 INTERCTY HGY	.00004543	.00002461	.00004842	.00004658	.00002728	.00017363	.00005880	.00004320
116 MOTOR FRT STR	.01248638	.01777764	.01355619	.01981010	.00526096	.01427666	.02009951	.01509510
117 WATER TRANS	.00167636	.00082424	.00336454	.00234484	.00055733	.00225357	.00187430	.00154413
118 AIR TRANS	.00116639	.00111814	.00183724	.00213386	.00210753	.00408343	.00131848	.00269050
119 PIPELINE TRN	.00106790	.00084295	.00170843	.00225212	.00034719	.00218257	.00141205	.00155436
120 LOC,SUB TRAN	.00000292	.00000311	.00000448	.00000316	.00002979	.00000552	.00000373	.00000379
121 OTH TRAN SER	.00028697	.00020684	.00046578	.00046292	.00016157	.00098870	.00095441	.00049852
122 TELEP,TELEGR	.00561045	.00582481	.00640373	.00576023	.00415986	.01004973	.00593504	.00455925
123 RADIO , TV	.00033013	.00031144	.00044093	.00061831	.00024839	.00066175	.00035906	.00049055
124 OTH COMMUNIC	.00003245	.00002455	.00004405	.00002769	.00002728	.00006603	.00003164	.00003819
125 GAS SERVICES	.01023962	.00759476	.01246194	.01190589	.01046276	.01847030	.01246610	.01234328
126 ELEC SERVICES	.01095507	.00696865	.01479850	.00876948	.01493806	.01890635	.01242085	.01264391
127 WATER,SANI SERV	.00149686	.00136310	.00184185	.00173811	.00154037	.00331848	.00192894	.00213433
128 WHL AUT PT,S	.001047057	.00044134	.00092846	.00173439	.00031871	.00079576	.00124504	.00015904
129 WHL GRO,RELP	.00043125	.00058874	.00045356	.00041931	.00037531	.00053063	.00033933	.00058970
130 WHL FM PROD	.00049646	.00039233	.00072465	.00091577	.00015778	.00087784	.00061436	.00065767
131 WHL LIVESTOC	.00003545	.00001146	.00005107	.00005672	.00001032	.00005257	.00003058	.00003515
132 WHL HAC,EQ,S	.01088712	.04489482	.01135155	.01136096	.01316636	.02391260	.04074684	.03368085
133 WHL PET,PETP	.00321145	.00255739	.00200924	.00156509	.00100203	.00321420	.00173881	.00216633
134 GEN WHL	.03178777	.03746100	.02902217	.01049508	.02217656	.02465860	.03543412	.02821927
135 LUMBER YARDS	.00038035	.00111394	.00046595	.00022847	.00027484	.00025209	.00019888	.00060354
136 FARM EQ DEAL	.00015741	.00025385	.00017776	.00006448	.00011532	.00011296	.00010133	.00086797
137 HDW,HT,E,P,W	.00039111	.00007131	.00067902	.00025729	.00020601	.00013024	.00018367	.00069836
138 DEPT,VAR STO	.00171610	.00019078	.00143646	.00046676	.00044761	.00027706	.00046207	.00495887
139 FOOD STORES	.00010730	.00006704	.00011611	.00007043	.00005088	.00008466	.00010135	.00020796
140 AUTO DEAL,RP	.00272804	.00114239	.00602086	.00122747	.01052203	.00759668	.00278739	.00181293
141 GAS SER STAT	.00073597	.00051073	.00048410	.00034796	.00029254	.00073812	.00047143	.00050168
142 APPRL ACC ST	.00000997	.00000499	.00001202	.00000393	.00040000	.00000882	.00010032	.00001246
143 FURN,HM F,EQ	.00145825	.00002600	.00026140	.00010840	.00007875	.00006837	.00012466	.00523892
144 EAT,DRINK PL	.00112189	.00083017	.00127830	.00246406	.00174019	.00384807	.00095043	.00167870
145 OTHER RETAIL	.00127695	.00016960	.00077614	.00160681	.00042526	.00048851	.00070820	.00137765
146 BANK,CRD AGE	.02370553	.02142263	.01919439	.03295449	.02082978	.02573847	.01531050	.02161782
147 INSURANCE CA	.01511433	.01026682	.00976817	.01933534	.00860428	.01363182	.00883356	.00811064
148 F.I.R.E. NEC	.01067516	.02869013	.02319418	.01225254	.01225517	.02444064	.01342013	.01359226
149 LEGAL SERVIC	.00699493	.00292837	.00518053	.00550806	.00244693	.00535137	.00449315	.00261818
150 LODGING SERV	.00176625	.00090080	.00102237	.00078861	.00285364	.00293997	.00114110	.00264333

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 89 *	SECTOR 90 *	SECTOR 91 *	SECTOR 92 *	SECTOR 93 *	SECTOR 94 *	SECTOR 95 *	SECTOR 96 *
151 PERSONAL SER	.00016389	.00008530	.00077618	.00020226	.00027581	.00027376	.00025489	.00030133
152 ADVERTISING	.00054761	.00036876	.00112003	.00173777	.00029053	.00119575	.00064098	.00095996
153 DUPL, ADDRESS	.00010955	.00008585	.00013664	.00011457	.00007581	.00015608	.00008939	.00010652
154 PRI ENPL AGE	.00014338	.00017486	.00016603	.00019687	.00006512	.00011714	.00011714	.00016002
155 PHOTO SERVIC	.00035435	.00040849	.00125295	.00044223	.00016428	.00053041	.00034944	.00035794
156 RESRCH,DEVEL	.00022515	.00010454	.00023356	.00030940	.00011240	.00033031	.000126851	.00035122
157 OTHER BUS SE	.00417118	.00322392	.00439036	.00249631	.00157460	.00329020	.00800261	.00390445
158 MTN PCT,AM,R	.00007581	.00005604	.00035166	.00105264	.00017992	.00017690	.00006778	.00013274
159 AUTO RENT SE	.00122096	.00475604	.00122072	.00115218	.00123996	.00303167	.00157679	.00422084
160 AUTO PARKING	.00001085	.00000912	.00000862	.00001382	.00000835	.00001195	.00000723	.00000913
161 ELEC REP SHP	.00015953	.00009206	.00567009	.00011652	.00043471	.000709610	.00017848	.00033064
162 MISC REP SER	.00186323	.00193868	.00178615	.00082479	.00147226	.00364234	.00124724	.00246738
163 PHYS, DENT SE	.00006719	.00004551	.00008379	.00010745	.00005109	.000058451	.00008525	.00005900
164 HOSP, LAB SER	.00008612	.00006524	.00010203	.00011081	.00006880	.00012759	.00009479	.00007964
165 OTH MED SERV	.00000362	.00000170	.00003830	.00002441	.00000236	.000000448	.00003982	.00001018
166 ED(PUB, PRI)	.00423154	.00389698	.00497337	.00791030	.01607268	.00816257	.00500830	.00484134
167 COLL, UNIV	.00188502	.00143117	.00215576	.00208809	.00151461	.00372133	.00233605	.00189732
168 OTH ED SERV	.00000734	.00000485	.00000699	.00000612	.00000391	.00000818	.00000692	.00000471
169 ENG, ARCH SER	.00124951	.00164877	.00253749	.00122871	.00059763	.02868513	.00121586	.00107153
170 COMPU, ACCT SERV	.00318806	.00350602	.00381078	.00806005	.00332975	.00469298	.00328773	.00486288
171 OTH PROF SER	.00004937	.00002029	.00004728	.00002562	.00009636	.00002672	.00003191	.00004623
172 OTHER SERVIC	.00105896	.00084086	.00122577	.00107392	.00234284	.00147849	.00113171	.00095998
173 ORD, ORD ACCS	.00001071	.00000620	.00002132	.00000226	.00000915	.00007818	.00004764	.00000194
174 OUTDOOR REC	.00019568	.00012772	.00024334	.00019746	.00009715	.00022588	.00017950	.00019326
175 SCRAP	.00031792	.00020889	.00049258	.00058353	.00281042	.00077055	.00058681	.00340547
TOTAL DIRECT/IND REQ	1.44041198	1.30794361	1.43257701	1.28746717	1.35892962	1.50538006	1.52886307	1.47108060

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 97 *	SECTOR 98 *	SECTOR 99 *	SECTOR 100 *	SECTOR 101 *	SECTOR 102 *	SECTOR 103 *	SECTOR 104 *
1 IRR COTTON	.00105395	.00014317	.00004592	.00013655	.00017539	.00005663	.00001876	.00003675
2 IRR FOOD GRAIN	.00038543	.00022601	.00002293	.00021449	.00019302	.00007614	.00002820	.00015072
3 IRR FEED GRAIN	.00031791	.00018493	.00001502	.00017793	.00015069	.00006409	.00002682	.00010852
4 OTHER IRR CROP	.00041976	.00027544	.00006802	.00022074	.00024475	.00010206	.00006833	.00019974
5 DRYLAND COTTON	.00036962	.00008026	.00001719	.00007670	.00008343	.00002925	.00000974	.00001570
6 DRY FOOD GRAIN	.00042580	.00010656	.00001630	.00011115	.00011312	.00004302	.00001263	.00003014
7 DRY FEED GRAIN	.00037956	.00022140	.00002289	.00021175	.00019396	.00007676	.00002939	.00014132
8 OTHER DRY CROP	.00020937	.00012231	.00001547	.00011485	.00010657	.00004426	.00001769	.00004493
9 RANGE LIVESTOCK	.00131582	.00071052	.00006708	.00068405	.00064962	.00025562	.00011474	.00046806
10 FEEDLOT LVSTK	.00216118	.00125502	.00009141	.00121551	.00112481	.00043715	.00018946	.00083927
11 DAIRY	.00054432	.00033079	.00005364	.00030771	.00029230	.00012901	.00005484	.00020468
12 POULTRY,EGGS	.00026554	.00015594	.00002429	.00014831	.00014058	.00005689	.00002478	.00010194
13 AG SUP EX FMC	.00030594	.00015074	.00002140	.00014318	.00019874	.00005536	.00002382	.00009045
14 COTTON GINNING	.00016693	.00002689	.00000749	.00002566	.00003089	.00001031	.00000346	.00000666
15 AGR SERVICES	.00031648	.00014958	.00003260	.00014059	.00021387	.00006018	.00004194	.00009251
16 PRIM FORESTRY	.00151829	.00066487	.00033711	.00042028	.00048221	.00022295	.0001873	.00033578
17 FISHERIES	.00014850	.00008955	.00001576	.00008294	.00008120	.00003446	.00001440	.00001835
18 CRUDE PETRO	.02215150	.01704549	.00274428	.01149460	.02178348	.00797270	.01086286	.00936549
19 NATRL GAS LQDS.	.00200743	.00123502	.00014808	.00158378	.00124355	.00044433	.00054083	.00077770
20 OIL,GAS FLDSV	.00485781	.00361470	.00058780	.00253931	.00449496	.00164890	.00212782	.00202085
21 LIGNITE,OTH MINE	.00167882	.00261070	.00029600	.00089584	.00187647	.00083327	.00072694	.00076401
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00000314	.00000191	.00000414	.00000191	.00000459	.00000273	.00000680	.00000215
24 INDUS COMS	.00000002	.00000001	.00000003	.00000001	.00000003	.00000002	.00000005	.00000001
25 FACILITY CONS	.00001243	.00000757	.00001637	.00000754	.00001815	.00001081	.00002687	.00000850
26 MAINTEN,REPR	.00830418	.00505237	.01093895	.00503614	.01212456	.00722175	.01795943	.00567876
27 MEAT PRODUCTS	.00053298	.00034434	.00020283	.00026379	.00038681	.00020701	.00018767	.00027870
28 POULTRY PROD	.00003974	.00002686	.00001632	.00002464	.00003193	.00001630	.00001199	.00001603
29 DAIRIES	.00016586	.00013192	.00008360	.00009875	.00013519	.00009407	.00005622	.00006911
30 OTH GRAIN MIL	.00038267	.00022475	.00002843	.00021225	.00019782	.00007959	.00003146	.00015010
31 ANIMAL FEEDS	.00030630	.00017712	.00002004	.00016960	.00015974	.00006456	.00002669	.00009716
32 BAKERY PROD	.00006416	.00004694	.00003775	.00003381	.00005624	.00004062	.00002601	.00003637
33 CNND,PSVP,PCK	.00018691	.00014216	.00010000	.00010152	.00015843	.00010484	.00007166	.00009976
34 OTH FOOD PROD	.00032027	.00022377	.00007096	.00016940	.00022103	.00010427	.00005907	.00009086
35 BEVERAGES	.00043109	.00048390	.00009438	.00022187	.00033663	.00010145	.00006217	.00016725
36 TEXTILE MILL	.00675329	.00018755	.00026920	.00017739	.00056100	.00012917	.00004458	.00015928
37 MBWMC FURN	.00019602	.00003862	.00008524	.00003288	.00007077	.00003536	.00002120	.00004117
38 RELATED APPRL	.00005693	.00002891	.00058113	.00002701	.00002298	.00001472	.00001240	.00002101
39 LOGGING	.00104989	.00050473	.00039619	.00038505	.00039191	.00017629	.00013243	.00029587
40 LUMBER MILLS	.00041306	.00017569	.00015055	.00011241	.00015363	.00007628	.00009591	.00006889
41 MILLWORK,WOOD	.00611070	.00239208	.00075758	.00084784	.00134033	.00073019	.00097731	.00097855
42 WOOD FURN,FIX	.00023179	.00012429	.00018130	.00012564	.00016651	.00008400	.00010748	.00010702
43 MET FURN,FIXT	.00007290	.00006492	.00006357	.00006164	.00005862	.00004976	.00002617	.00002925
44 PAPER,PAP MIL	.00164066	.00078441	.00329223	.00167206	.00131731	.00047221	.00027294	.00059889
45 PAP EX BOX,CT	.00073809	.00035296	.00054535	.00062927	.00036786	.00018145	.00013865	.00030677
46 BOXES,PAP CNT	.00142496	.00079602	.02233145	.00180560	.00159205	.00025004	.00015430	.00044604
47 NEWSPAPERS	.00077467	.00054428	.00038534	.00045581	.00075099	.00048898	.00019836	.00111980
48 PUBLISHING	.00049362	.00035038	.00020817	.00052990	.00022991	.00262598	.00103946	.00220206
49 PRINTING	.00150213	.00076567	.00078064	.00122094	.00214704	.00204195	.00048267	.00101146
50 MANFLD BUS FM	.00023599	.00023523	.00037011	.00072932	.00023021	.00022964	.00006579	.00013820

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 97 *	SECTOR 98 *	SECTOR 99 *	SECTOR 100 *	SECTOR 101 *	SECTOR 102 *	SECTOR 103 *	SECTOR 104 *
51 OTH PRNT,PUBS	.00031434	.00019541	.00098580	.00013904	.00038907	.00013031	.00139809	.00019276
52 CHLOR,ALKALIE	.00145305	.00050653	.00019736	.00101682	.00118076	.00022133	.00023443	.00036476
53 CYCCRD INT,I6	.00183087	.00094455	.00021122	.00203143	.00428360	.00032309	.00031778	.00067170
54 ORG CHEM	.00821838	.00463283	.00086766	.01009995	.01148080	.00177219	.02066913	.00337337
55 INORG CHEM	.00116974	.00072821	.00064284	.00157238	.00167460	.00027056	.00023258	.00076324
56 FIBERS,PLASTI	.00692035	.00134138	.00066158	.00354302	.03779349	.00057780	.00029288	.00197432
57 SYN RUBBER	.00022051	.00013898	.00002507	.00020856	.00047226	.00005443	.00004009	.00005843
58 DRUGS	.00002618	.00001327	.00002722	.00001156	.00001374	.00001957	.00000564	.00000927
59 AGRI CHEMICAL	.00053804	.00026111	.00007103	.00026300	.00039898	.00011823	.00011674	.00019880
60 SPS,CLNS,TOIL	.00032762	.00020015	.00005136	.00022229	.00094168	.00013441	.00005251	.00013481
61 PAINT+VARNISH	.00101980	.00138255	.00028930	.00061757	.00549212	.00029818	.00037451	.00080911
62 OTH CHEMICALS	.00152645	.00065739	.00028423	.00060845	.00736217	.00073771	.00031421	.00065123
63 PETRO REFING	.02265384	.01423769	.00289409	.01038513	.01727024	.00654194	.00651020	.00856573
64 OTH PETRO PRD	.00026840	.00012042	.00008571	.00007563	.00017870	.00022877	.00015166	.00007382
65 TIRES	.00053479	.00042128	.00009176	.00017290	.00030391	.00016093	.00019799	.00027243
66 FAB RUBBER PR	.00056668	.00040987	.00014347	.00037601	.02639607	.00027385	.00009561	.00013726
67 PLASTIC PRODS	.02894658	.00153360	.00076633	.00252170	.11351740	.00128593	.00020066	.00066106
68 LEATHER,L PRD	.00017461	.00009898	.00009407	.00026254	.00004502	.00013032	.00054878	.00022564
69 GLASS	.00100231	.00023532	.00023246	.00052448	.00021258	.00010537	.00007017	.00016932
70 CLAY	.00010403	.00006045	.00009959	.00006436	.00011418	.00006879	.00015818	.00005390
71 CUT ST,CL,SH	.00161590	.00033259	.00033127	.00040102	.00055237	.00027332	.00022814	.00026242
72 CEMENT,CONCRT	.00063383	.00029815	.00042859	.00043029	.00052155	.00027979	.00058858	.00024866
73 BLAST FURNACE	.00427302	.02879272	.00026920	.00088330	.00054593	.00643822	.00027435	.00069007
74 PRI STEEL,IRO	.01970070	.00052044	.00017137	.00034395	.00036042	.00025937	.00012059	.00066290
75 FOUNDRIES	.01771767	.00078745	.00008830	.00072379	.00038555	.00032477	.00029586	.00291765
76 NONFER SMELTG	.00290771	.00463768	.00028826	.00293164	.17464073	.00067864	.00039222	.00120344
77 AL SMLT ROL DR	.05696674	.00258966	.00035960	.00542556	.00209368	.00270352	.00076921	.00314954
78 CAST,FORGINGS	.00501472	.00045682	.00006445	.00024152	.00010797	.00018249	.00064484	.02536417
79 FABRI STEEL	.00172092	.00060849	.00010478	.00060559	.00028927	.00028046	.00011050	.00013220
80 PLATE WORK	.00102786	.00011958	.00012302	.00021927	.00015236	.00032181	.00004077	.00012286
81 SH MET,ARCH	.01955283	.00063310	.00071509	.00135695	.00080291	.00060519	.00071611	.00076651
82 METAL DOORS	.00002561	.00001255	.00001832	.00001903	.00002075	.00001474	.00001936	.00001243
83 FAB MET PROD	.01705330	.00094741	.00032501	.00225981	.00073875	.00051206	.000778204	.01124750
84 PLUMBING	.00342569	.00010265	.00006969	.00024382	.00009299	.00007847	.00009104	.00005254
85 BOLTS,NUTS,SC	.00498170	.00265021	.00036763	.00116627	.00189126	.00067415	.00058984	.00054205
86 ELCTPLT,CT,EN	.00276485	.00031966	.00006120	.00063979	.00525617	.00072443	.00063359	.02320525
87 VALVE,PIPE FT	.00207660	.00623053	.00019533	.00088469	.00102965	.00039105	.00034582	.00035299
88 OTH FAB MET P	.00059833	.00036407	.00009423	.00110481	.00016937	.00380775	.00004762	.00011203
89 FM,CONS,IND M	.00016034	.00010711	.00046445	.00008470	.00026524	.00008385	.00013849	.00009115
90 MTL HDL MC,EQ	.00016272	.00006891	.00004690	.00025062	.00005199	.00004132	.00002132	.00004491
91 MIN MACH,EQU	.00598777	.00054731	.00007957	.00027186	.00035760	.00024062	.00012999	.00019691
92 ENGINES	.00067000	.00618130	.00004805	.00041850	.00026819	.00009360	.00005987	.00006777
93 METAL WK MACH	.00320625	.00057488	.00261003	.00019619	.00044279	.00021257	.00298571	.00550697
94 IND PROC MACH	.00259232	.00024221	.00042921	.00021690	.00097082	.00038083	.00004496	.00043126
95 GEN IND MACH	.00141215	.00157508	.00035169	.00119525	.00141539	.00149495	.00037251	.00062799
96 REFRIG MACH	.00014642	.00006407	.00004110	.00006205	.00012844	.00067228	.00005409	.00004477
97 COMPU,ACCT MACH	1.01886741	.00076638	.00036575	.00415511	.00144036	.00712402	.00030010	.00014092
98 ELEC INST,AP	.00240988	1.01240686	.00069317	.00146134	.00080844	.00119793	.00084311	.00048635
99 ELEC HSLD EQ	.00005208	.00005594	1.00003165	.00010708	.00011425	.00002363	.00002138	.00013052
100 ELEC COMM EQ	.00272760	.01633580	.00016114	1.04730556	.02725717	.01186538	.00108594	.04266694

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 97 *	SECTOR 98 *	SECTOR 99 *	SECTOR 100 *	SECTOR 101 *	SECTOR 102 *	SECTOR 103 *	SECTOR 104 *
101 OTH ELEC APP	.00035049	.00038899	.00007291	.00951400	1.01986185	.00244936	.00006623	.00045030
102 AIRCRAFT	.00001689	.00000341	.00000277	.00001000	.00000460	1.00192526	.00000880	.00000249
103 AIRCRAFT ENG	.00000098	.00000018	.00000004	.00000017	.00000023	.00053317	1.01007994	.00000020
104 OTH AIRCRAFT	.00002839	.00001120	.00001080	.00001737	.00001892	.00129550	.02290019	1.00023538
105 MOTOR VHCL,P	.00072434	.01506123	.00018819	.00028870	.00102663	.00034216	.00035973	.00042423
106 SHIP,BT BLDG	.00018288	.00008461	.00000942	.00003382	.00008262	.00005674	.00001177	.00002197
107 OTH TRANS EQ	.00008590	.00007192	.00001616	.00003373	.00005776	.00002807	.00001866	.00001523
108 SCIENTIF INS	.00004177	.00002897	.00002518	.00071826	.00004024	.00003156	.00000964	.00003895
109 MECH MSRG DV	.00008790	.00007829	.00002043	.00010783	.00006535	.00027514	.00002719	.00002943
110 MEDICAL INST	.00052876	.00030698	.00022046	.00012453	.00012441	.00039304	.00004429	.00006254
111 PHO,TM,OPT I	.00011275	.00010270	.00096544	.00007446	.00010364	.00018384	.00004844	.00007639
112 GAMES,TOYS	.00000552	.00000458	.00001183	.00000476	.00000552	.00000432	.00000254	.00000312
113 OTH MFG IND	.00204879	.00165294	.01725745	.00055252	.00051049	.00093578	.00015689	.00255768
114 RAIL TRANS	.00776237	.00505636	.00165590	.00150254	.01020205	.00299501	.00315836	.00149240
115 INTERCTY HGY	.00010581	.00003766	.00002361	.00001872	.00000611	.00002292	.00002338	.00002148
116 MOTOR FRT STR	.01012522	.01220304	.00353344	.00499779	.01212574	.00593632	.00971274	.00963787
117 WATER TRANS	.00212589	.00271229	.00021858	.00093845	.00265710	.00184429	.00032906	.00066684
118 AIR TRANS	.00230512	.00137790	.00146464	.00159911	.00189516	.00204765	.00661938	.00121642
119 PIPELINE TRN	.00179095	.00270582	.00020409	.00080496	.00295459	.00197356	.00026407	.00065767
120 LOC,SUB TRAN	.00000697	.00000386	.00001631	.00000222	.00000650	.00000276	.00000197	.00000314
121 OTH TRAN SER	.00120525	.00049878	.00011730	.00052051	.00118012	.00049358	.00014035	.00016805
122 TELEP,TELEGR	.00716529	.00795340	.00320458	.00792851	.00581368	.00350751	.00455006	.00679029
123 RADIO , TV	.00055070	.00056507	.00031741	.00029512	.00071019	.00037062	.00013140	.00036954
124 OTH COMMUNIC	.00004499	.00004453	.00005969	.00003294	.00003883	.00008068	.00002933	.00003230
125 GAS SERVICES	.01479877	.01645411	.00290214	.00688697	.02516337	.00932723	.01555064	.00764439
126 ELEC SERVICES	.01871159	.02083568	.00383653	.00904609	.02481368	.00851034	.01758162	.01152422
127 WATER,SANI SERV	.00254453	.00207559	.00535962	.00144797	.00410219	.00145113	.00053784	.00226533
128 WHL AUT PT,S	.00205494	.00254528	.00021974	.00035966	.00097333	.00051879	.00021291	.00041376
129 WHL GRO,RELP	.00062782	.00043697	.00040724	.00030489	.00076989	.00027726	.00016414	.00050786
130 WHL FM PROD	.00084773	.00111915	.00015276	.00037169	.00121505	.00079175	.00009652	.00031716
131 WHL LIVESTOC	.00005965	.00006981	.00000308	.00003068	.00007231	.00004547	.00000569	.00001745
132 WHL MAC,EQ,S	.02666537	.02136519	.03681164	.00261259	.00660010	.00687605	.00159814	.00397255
133 WHL PET,PETP	.00261677	.00234417	.00069955	.00134976	.00290783	.00184947	.00083931	.00160336
134 GEN WHL	.05723248	.01914050	.00414882	.03133738	.01911773	.01080614	.01899583	.04840787
135 LUMBER YARDS	.00057832	.00027592	.00010904	.00030972	.00068159	.00012980	.00012376	.00069173
136 FARM EQ DEAL	.00025615	.00120253	.00004940	.00009377	.00018331	.00009898	.00003099	.00024062
137 HDW,HT,E,P,W	.00173250	.00018570	.00005052	.00023026	.00016512	.00021565	.00006029	.00086995
138 DEPT,VAR STO	.00368408	.00121338	.00022476	.00272769	.00240422	.00063198	.00018030	.00466560
139 FOOD STORES	.00023276	.00008361	.00015953	.00006828	.00013408	.00008398	.00003875	.00014577
140 AUTO DEAL,RP	.00271158	.00414686	.00050211	.00125788	.02391711	.00095318	.00123920	.00283420
141 GAS SER STAT	.00087942	.00040080	.00018430	.00024236	.00066752	.00018344	.00016502	.00048513
142 APPRL ACC ST	.00019925	.00000405	.00000841	.00000671	.00014430	.00001141	.00000515	.00000733
143 FURN,HM F,EQ	.00073046	.00121564	.00005613	.00376501	.00326071	.00026896	.00012435	.00459555
144 EAT,DRINK PL	.00180628	.00084018	.00074070	.00053829	.00110209	.00044464	.00080779	.00146482
145 OTHER RETAIL	.00136966	.00171941	.00052402	.00070638	.00119076	.00046816	.00047865	.00110296
146 BANK,CRD AGE	.02355585	.02333712	.02846450	.00993134	.03735566	.00855090	.00753885	.02182160
147 INSURANCE CA	.01527119	.00900553	.00292862	.01610101	.01373909	.00370011	.00486597	.01076425
148 F.I.R.E. NEC	.02215320	.01466626	.01155326	.01279510	.02551584	.00594818	.00493301	.02246990
149 LEGAL SERVIC	.00505476	.004148529	.00214854	.00669359	.00850341	.00161907	.00661317	.00323506
150 LODGING SERV	.00160121	.00079706	.00089303	.00051053	.00108038	.00049803	.00073163	.00083872

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 97 *	SECTOR 98 *	SECTOR 99 *	SECTOR 100 *	SECTOR 101 *	SECTOR 102 *	SECTOR 103 *	SECTOR 104 *
151 PERSONAL SER	.00076971	.00035567	.00026815	.00010930	.00133958	.00017545	.00036837	.00010339
152 ADVERTISING	.00073433	.00065069	.00146020	.00048699	.00074656	.00049528	.00014875	.00065548
153 DUPL, ADDRESS	.00016016	.00009728	.00015520	.00007918	.00017404	.00010448	.00004588	.00010775
154 PRI EMPL AGE	.00027018	.00034267	.00067505	.00071746	.00030784	.00016422	.00004061	.00011832
155 PHOTO SERVIC	.00040611	.00046718	.00046379	.00064391	.00056975	.00109847	.00015989	.00033873
156 RESRCH, DEVEL	.00039987	.00063514	.00002566	.00018023	.00058344	.00927028	.00005638	.00005667
157 OTHER BUS SE	.00379778	.00294095	.00274966	.00482962	.00560240	.00277518	.00617322	.00748195
158 MTN PCT, AH, R	.00015312	.00009330	.00013406	.00007072	.00013776	.00006370	.00004224	.00010036
159 AUTO RENT SE	.00187698	.01339138	.00065013	.00067924	.00174156	.00093751	.00034564	.00067361
160 AUTO PARKING	.00001153	.00000959	.00001067	.00000782	.00001471	.00000383	.00000380	.00000969
161 ELEC REP SHP	.00043855	.00075991	.00010008	.00021406	.00029798	.00010816	.00006435	.00023407
162 MISC REP SER	.00188623	.00124427	.00077529	.00097813	.00193887	.00077550	.00196545	.00160315
163 PHYS, DENT SE	.00010228	.00013023	.00006740	.00008805	.00039343	.00003699	.00002395	.00005234
164 HOSP, LAB SER	.00012431	.00009122	.00029734	.00008734	.00011288	.00006570	.00003752	.00007833
165 OTH MED SERV	.00002853	.00001845	.00001031	.00000470	.00000550	.00001340	.00000143	.00000226
166 ED (PUB, PRI)	.00647098	.00616324	.00446646	.00447769	.00765811	.00396503	.00303371	.00350477
167 COLL, UNIV	.00313770	.00250410	.00180679	.00144977	.00323645	.00176186	.00132985	.00142440
168 OTH ED SERV	.00006152	.00000646	.00000831	.00000633	.00000742	.00000364	.00000280	.00000486
169 ENG, ARCH SER	.00451647	.00173264	.00072387	.00078566	.00193114	.00190167	.00082762	.00063454
170 COMPU, ACCT SERV	.00541380	.00636824	.10438304	.00243039	.00497579	.00637241	.00097792	.00512004
171 OTH PROF SER	.00006561	.00003923	.00002978	.00003741	.00003416	.00014628	.00001188	.00002181
172 OTHER SERVIC	.00204782	.00117819	.00183568	.00121696	.00154841	.00137113	.00038518	.00097578
173 ORD, ORD ACCS	.00004184	.00000186	.00000021	.00000171	.00000091	.00000077	.00000070	.00000689
174 OUTDOOR REC	.00025425	.00023825	.00008007	.00015101	.00027110	.00026029	.00009303	.00012039
175 SCRAP	.00077757	.00084125	.00004956	.00029450	.00775182	.00049710	.00005389	.00015215
TOTAL DIRECT/IND REQ	1.63104139	1.40218077	1.31876410	1.30629780	1.81752224	1.20807961	1.24270828	1.37360202

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 105 *	* SECTOR 106 *	* SECTOR 107 *	* SECTOR 108 *	* SECTOR 109 *	* SECTOR 110 *	* SECTOR 111 *	* SECTOR 112 *
1 IRR COTTON	.00008231	.00039690	.00053398	.00012712	.00013308	.00025618	.00016353	.00025575
2 IRR FOOD GRAIN	.00012899	.00066424	.00021688	.00010595	.00017821	.00038372	.00008798	.00038970
3 IRR FEED GRAIN	.00010207	.00054486	.00017701	.00010258	.00015921	.00032589	.00009345	.00030174
4 OTHER IRR CROP	.00019252	.00061104	.00024801	.00026276	.00034443	.00045125	.00014300	.00075281
5 DRYLAND COTTON	.00004589	.00022876	.00019009	.00007792	.00007131	.00014152	.00006066	.00013844
6 DRY FOOD GRAIN	.00007196	.00028209	.00018887	.00011866	.00008748	.00036257	.00008127	.00029810
7 DRY FEED GRAIN	.00012614	.00065158	.00021428	.00013961	.00018064	.00038147	.00009347	.00038561
8 OTHER DRY CROP	.00006922	.00034690	.00012011	.00009999	.00010844	.00021198	.00005569	.00021352
9 RANGE LIVESTOCK	.00039776	.00207172	.00073621	.00045931	.00072765	.00126413	.00040022	.00131521
10 FEEDLOT LVSTK	.00069241	.00372047	.00119950	.00075866	.00125828	.00222512	.00067251	.00228861
11 DAIRY	.00019568	.00091216	.00032107	.00017497	.00027232	.00057423	.00018324	.00055681
12 POULTRY,EGGS	.00009183	.00044735	.00015402	.00006920	.00012346	.00026792	.00006234	.00027332
13 AG SUP EX FMC	.00008925	.00042970	.00017164	.00009780	.00013964	.00027353	.00008285	.00028237
14 COTTON GINNING	.00001543	.00007553	.00008510	.00002443	.00002468	.00004781	.00009884	.00004745
15 AGR SERVICES	.00009104	.00043935	.00017657	.00010275	.00014163	.00026982	.00008688	.00028763
16 PRIM FORESTRY	.00064280	.00344561	.00235767	.00049267	.00042277	.00070803	.00055920	.00091256
17 FISHERIES	.00005287	.00024555	.00008725	.00004791	.00008328	.00015648	.00003743	.00015131
18 CRUDE PETRO	.01205368	.03124380	.01941426	.02926559	.01316054	.02829103	.01337461	.02647244
19 NATRL GAS LQDS.	.00108140	.00323072	.00140919	.00081015	.00098335	.00199882	.00066133	.00273811
20 OIL,GAS FLOSV	.00256415	.00692772	.00415538	.00568485	.00285357	.00597736	.00273496	.00576798
21 LIGNITE,OTH MINE	.00137255	.00600998	.00231236	.00141322	.00081310	.00386930	.00119579	.00282576
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00000200	.00001308	.00000294	.00000243	.00000326	.00000299	.00000356	.00000354
24 INDUS CONS	.00000001	.00000009	.00000002	.00000002	.00000002	.00000002	.00000002	.00000002
25 FACILITY CONS	.00000792	.00005171	.00001163	.00001103	.00001291	.00001183	.00001408	.00001399
26 MAINTEN,REPR	.00528862	.03455732	.00777076	.00642790	.00862211	.00790033	.00940996	.00934424
27 MEAT PRODUCTS	.00024811	.00056570	.00042888	.00066150	.00092343	.00070286	.00031945	.00078676
28 POULTRY PROD	.00002348	.00004963	.00003037	.00005829	.00002507	.00005039	.00002203	.00003798
29 DAIRIES	.00010797	.00018645	.00014358	.00028287	.00013310	.00024550	.00010155	.00014130
30 OTH GRAIN MIL	.00014669	.00064837	.00021765	.00019781	.00019096	.00038452	.00012091	.00038882
31 ANIMAL FEEDS	.00010117	.00051357	.00017413	.00009180	.00015711	.00031187	.00008247	.00031407
32 BAKERY PROD	.00003864	.00004856	.00005542	.00011554	.00009855	.00009457	.00004624	.00005912
33 CNND,PSVP,PCK	.00011544	.00018127	.00015386	.00035625	.00025715	.00028004	.00012803	.00016826
34 OTH FOOD PROD	.00016645	.00044059	.00022340	.00552490	.00028622	.00036472	.00012796	.00031561
35 BEVERAGES	.00041353	.00047755	.00029886	.05530358	.00031819	.00039734	.00017615	.00037469
36 TEXTILE MILL	.00012151	.00032610	.00333006	.00028321	.00033455	.00042112	.00096908	.00038181
37 MBVMC FURN	.00003068	.00005011	.00029699	.00006544	.00010540	.00007834	.00005194	.00004440
38 RELATED APPRL	.00002868	.00034577	.00019779	.00003322	.00001252	.00004599	.00001854	.00003171
39 LOGGING	.00048425	.00217143	.00135591	.00033046	.00045885	.00067817	.00038007	.00081502
40 LUMBER MILLS	.00076681	.00057190	.00127066	.00017372	.00014882	.00021143	.00015982	.00029630
41 MILLWORK,WOOD	.00152038	.01565100	.01097233	.00190745	.00120559	.00150840	.00202985	.00166935
42 WOOD FURN,FIXT	.00016217	.00026377	.02376533	.00015757	.00014077	.00015899	.00012037	.00017171
43 MET FURN,FIXT	.00005429	.00005170	.00008139	.00011102	.00003979	.00006941	.00005896	.00006127
44 PAPER,PAP MIL	.00364473	.00171254	.00196890	.00189600	.00095655	.00207366	.00247883	.00518119
45 PAP EX BOX,CT	.00115091	.00069936	.00072061	.00276500	.00062756	.00066412	.00078601	.00060381
46 BOXES,PAP CNT	.00350248	.00133616	.00259861	.00662046	.00242702	.00545632	.00769678	.01269956
47 NEWSPAPERS	.00042261	.00069288	.00077543	.00073482	.00051167	.00064718	.00037489	.00080171
48 PUBLISHING	.00046945	.00053165	.00164043	.00405488	.00053753	.00029710	.00016176	.00197405
49 PRINTING	.00116642	.00096598	.00182529	.00210991	.00105394	.00403136	.00538379	.00254269
50 MANFLD BUS FM	.00088742	.00020824	.00037565	.00033581	.00016644	.00021691	.00019813	.00025419

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 105 *	* SECTOR 106 *	* SECTOR 107 *	* SECTOR 108 *	* SECTOR 109 *	* SECTOR 110 *	* SECTOR 111 *	* SECTOR 112 *
51 OTH PRNT,PUBS	.00046671	.00027904	.00020029	.00039602	.00024876	.00080761	.00008596	.00069568
52 CHLOR,ALKALIE	.00166349	.00122337	.00116789	.00070689	.00041579	.00115306	.00075608	.00086680
53 CYCCRD INT,IG	.00426696	.00278347	.00213744	.00107495	.00067000	.00252503	.00081260	.01271634
54 ORG CHEM	.01818862	.01162161	.00845890	.00468824	.00378267	.00927998	.00365603	.04093472
55 INORG CHEM	.00240249	.00181580	.00110575	.00079387	.00056371	.00130627	.00062078	.00285986
56 FIBERS,PLASTI	.01472169	.00226031	.00370989	.00594795	.00110033	.01362856	.00543733	.23706959
57 SYN RUBBER	.00198484	.00031957	.00065295	.00044220	.00008079	.00019287	.00007876	.00052824
58 DRUGS	.00001124	.00002571	.00001891	.00002461	.00003214	.00022079	.00001159	.00001645
59 AGRIC CHEMICAL	.00015994	.00065338	.00033158	.00025896	.00028676	.00047104	.00016267	.00047289
60 SPS,CLNS,TOIL	.00012770	.00038669	.00054741	.00015376	.00016479	.00025240	.00009382	.00036268
61 PAINT+VARNISH	.00109850	.00664316	.00524317	.00086698	.00023332	.00445963	.00049435	.00036083
62 OTH CHEMICALS	.00079147	.00186689	.00256527	.00074832	.00064241	.00130604	.00058407	.00413589
63 PETRO REFING	.01423027	.02562308	.02449931	.01597121	.01667557	.02144376	.00936934	.03033725
64 OTH PETRO PRD	.00008756	.00030906	.00014601	.00018547	.00010581	.00017802	.00017419	.00014433
65 TIRES	.00989005	.00084085	.00313573	.00061782	.00017475	.00053588	.00032759	.00041454
66 FAB RUBBER PR	.00025287	.00037207	.00404403	.00102782	.00019465	.00024418	.00018253	.00023987
67 PLASTIC PRODS	.00210422	.00132524	.01079091	.00901781	.00143433	.02215392	.00483332	.01467064
68 LEATHER,L PRD	.00016843	.00011300	.00122807	.00004790	.00007419	.00007908	.00006122	.00885690
69 GLASS	.00083342	.00056718	.00960332	.00312766	.00032081	.00168441	.04122369	.00033236
70 CLAY	.00011630	.00042270	.00054770	.00007343	.00008204	.00009294	.00020364	.00009667
71 CUT ST,CL,SH	.00864450	.00125703	.00102283	.00063778	.00244326	.00075671	.00049730	.00044035
72 CEMENT,CONCRT	.00062643	.00136452	.00043370	.00032643	.00043463	.00047123	.00040506	.00048745
73 BLAST FURNACE	.00773714	.07462404	.02197398	.00064293	.00063088	.04264211	.00117331	.00085854
74 PRI STEEL,IRO	.00260372	.00084778	.00271863	.00328874	.00123273	.00845126	.01025230	.00023454
75 FOUNDRIES	.00147565	.00121469	.01053374	.00100211	.00055041	.00164411	.00278815	.00050298
76 NONFER SMELTG	.00254856	.00162933	.00199327	.00505235	.00050982	.00173072	.00071225	.01035385
77 AL SMLT ROL DR	.00481042	.01118821	.02301988	.00329594	.00314710	.03254299	.00862692	.00121767
78 CAST,FRGINGS	.00040109	.00046710	.00165928	.00019972	.00013259	.00019701	.00078666	.00013018
79 FABRI STEEL	.00420434	.00951294	.02690444	.00019469	.00032249	.02690474	.00038079	.00059327
80 PLATE WORK	.00033644	.00068399	.00200942	.00011297	.00018462	.00022381	.00018835	.00014322
81 SH MET,ARCH	.00256397	.00285108	.04741756	.00149203	.00257947	.00250180	.00353243	.00079648
82 METAL DOORS	.00003176	.00003799	.00167398	.00001936	.00001743	.00002452	.00001791	.00001883
83 FAB MET PROD	.01935979	.00169957	.00324489	.01075630	.00066677	.00096362	.01097561	.00092805
84 PLUMBING	.00018963	.00044091	.01997744	.00015667	.00018520	.00009933	.00052758	.00012202
85 BOLTS,NUTS,SC	.00934223	.00085544	.01521989	.00676125	.00050483	.00159375	.00087078	.00095029
86 ELCTPLT,CT,EN	.00068015	.00028623	.00099647	.00124166	.00017907	.00055920	.00046727	.00033757
87 VALVE,PIPE FT	.00135461	.00143784	.00103120	.00108493	.00075343	.01645343	.00074160	.00085450
88 OTH FAB MET P	.00032226	.00024776	.00101938	.00043225	.00092421	.00495103	.00015781	.00100005
89 FM,CONS,IND M	.00008938	.00036100	.00029668	.00019659	.00009818	.00017317	.00011021	.00017252
90 MTL HOL MC,EQ	.00005380	.00017722	.00037784	.00007251	.00003580	.00013998	.00005525	.00012592
91 MIN MACH,EQUP	.00023493	.00080101	.00037429	.00046906	.00111626	.00070925	.00096109	.00051952
92 ENGINES	.00021368	.00204070	.00041657	.00027729	.00015180	.00034075	.00016282	.00027060
93 METAL WK MACH	.00015334	.00052866	.00678292	.00022185	.00014241	.00035692	.00053618	.00015331
94 IND PROC MACH	.00028611	.00449685	.00040389	.00043593	.00018018	.00045343	.00092202	.00054096
95 GEN IND MACH	.00068259	.00886241	.00708972	.00104186	.00351960	.00258193	.00200043	.00100533
96 REFRIG MACH	.00006847	.00015321	.00062912	.00009435	.00004748	.00009692	.00005872	.00006612
97 COMPU,ACCT MACH	.00197244	.00229625	.00181476	.02465171	.00877871	.00101174	.14025928	.00082208
98 ELEC INST,AP	.00572859	.00268317	.00301176	.00098650	.00201150	.00104090	.00161044	.00078952
99 ELEC HSLD EQ	.00005487	.00011550	.00025954	.00007245	.00003357	.00006075	.00003308	.00003494
100 ELEC COMM EQ	.00085090	.00087366	.00073704	.00343069	.00037747	.00052928	.00056703	.00051648

APPENDIX TABLE 9. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 105 *	* SECTOR 106 *	* SECTOR 107 *	* SECTOR 108 *	* SECTOR 109 *	* SECTOR 110 *	* SECTOR 111 *	* SECTOR 112 *
101 OTH ELEC APP	.00136343	.00049323	.00041007	.02643856	.00021640	.00037894	.00063006	.00031679
102 AIRCRAFT	.00000625	.00002630	.00000598	.00000905	.00000480	.00001112	.00000596	.00001003
103 AIRCRAFT ENG	.00000016	.00000049	.00000057	.00000014	.00000016	.00000033	.00000019	.00000032
104 OTH AIRCRAFT	.00000968	.00002983	.00002298	.00004261	.00002442	.00005219	.00002146	.00003706
105 MOTOR VHCL,P	1.02729002	.00059146	.00329578	.00110326	.00049767	.00065167	.00064916	.00098432
106 SHIP, BT BLDG	.00004133	1.00155246	.00011111	.00030856	.00003342	.00017894	.00006445	.00007421
107 OTH TRANS EQ	.00088816	.00009686	1.02202899	.00009078	.00003796	.00009746	.00003253	.00008094
108 SCIENTIF INS	.00005952	.00004129	.00003481	1.12467516	.00093104	.00029040	.00002151	.00002640
109 MECH HSRG DV	.00014911	.00025569	.00019674	.00035446	1.03004098	.00013373	.00006662	.00005760
110 MEDICAL INST	.00016241	.00013638	.00035600	.00025505	.00012416	1.00065905	.000162786	.00015841
111 PHO, TM, OPT I	.00007633	.00007473	.00013848	.00021681	.00059313	.00014958	1.00031375	.00012750
112 GAMES, TOYS	.00000965	.00000532	.00000569	.00001058	.00000723	.00000472	.00000472	1.00146396
113 OTH MFG IND	.00088509	.00047022	.00069003	.00167531	.01367691	.0046208	.00051614	.00092829
114 RAIL TRANS	.000728534	.000591602	.00887349	.01600940	.00388947	.01128905	.00432356	.00655449
115 INTERCTY HGY	.00005420	.00007037	.00011871	.00011552	.00003421	.00057287	.00003951	.00005892
116 MOTOR FRT STR	.02434550	.00714747	.02880569	.02728118	.00856447	.02414454	.01551658	.01658330
117 WATER TRANS	.00122218	.00430485	.00358446	.01025824	.00095642	.00586840	.00155626	.00216275
118 AIR TRANS	.00107596	.00152965	.00154642	.00579018	.00356108	.00747478	.00280541	.00499892
119 PIPELINE TRN	.00115113	.00214014	.00283311	.01199478	.00099811	.00553332	.00163518	.00219845
120 LOC, SUB TRAN	.00000283	.00000291	.00000659	.00000710	.00000826	.00000675	.00000435	.00000551
121 OTH TRAN SER	.00037674	.00044561	.00142660	.00283752	.00027518	.00014621	.00046927	.00180911
122 TELEP, TELE6R	.00422897	.00442694	.00734902	.01123042	.00737842	.00915938	.00897584	.00627568
123 RADIO, TV	.00032876	.00040652	.00068386	.00197201	.00036335	.00081628	.00043245	.00065858
124 OTH COMMUNIC	.00002737	.00005366	.00012223	.00009562	.00006654	.00006943	.00003112	.00005274
125 GAS SERVICES	.01100684	.01646493	.01752177	.04578492	.01102573	.0276797	.01691619	.01778317
126 ELEC SERVICES	.01284032	.01914162	.01731403	.03413700	.01227808	.02494438	.01938482	.01964854
127 WATER, SANI SERV	.00187689	.00223238	.00266380	.00674682	.00640912	.00566672	.00311174	.00408544
128 WHL AUT PT, S	.00550080	.00092563	.00116910	.00180538	.00090815	.00248696	.00067132	.00094593
129 WHL GRO, RELP	.00063510	.00069735	.00054540	.00197067	.00049668	.00093960	.00041265	.00050563
130 WHL FM PROD	.00051860	.00105261	.00116910	.00481452	.00042205	.00230645	.00018513	.00185313
131 WHL LIVESTOC	.00002742	.00008885	.0006507	.00025269	.0002465	.00014149	.00001732	.00005797
132 WHL MAC, EO, S	.01057749	.01867805	.01805474	.02028327	.00377579	.01447425	.01751625	.00578713
133 WHL PET, PETP	.00717033	.00271231	.00441587	.00542564	.00116603	.00467365	.00148606	.00266362
134 6EN WHL	.02286697	.04298434	.09564914	.06912821	.01231799	.03754162	.01628235	.05566931
135 LUMBER YARDS	.00044035	.00084492	.00109063	.00026927	.00012506	.00056104	.00022679	.00047962
136 FARM EQ DEAL	.00017632	.00058410	.00012456	.00009732	.00019657	.00026670	.00012796	.00040259
137 HGW, HT, E, P, W	.00058194	.00082021	.00027774	.00024614	.00013729	.00142874	.00031916	.00015742
138 DEPT, VAR STO	.00192375	.00198038	.00068993	.00049872	.00023452	.00309033	.00086182	.00225554
139 FOOD STORES	.00018973	.00018160	.00013086	.00044059	.00010138	.00028707	.00017166	.00172228
140 AUTO DEAL, RP	.00752972	.00193146	.00538897	.00369846	.00079726	.00237137	.00116209	.00354133
141 GAS SER STAT	.00007935	.00052674	.00129592	.00096888	.00095138	.00099669	.00003582	.00002899
142 APRPL ACC ST	.00000658	.00000668	.00003724	.00001893	.00000744	.00001115	.00003567	.00002977
143 FURN, HM F, EQ	.00093583	.00047083	.00025939	.00015978	.00006404	.00053531	.00013951	.00007339
144 EAT, DRINK PL	.00051250	.00113454	.00114978	.00223351	.000615004	.00245775	.00148240	.00113293
145 OTHER RETAIL	.00196097	.00098867	.00075524	.00117019	.00038255	.00145724	.00068681	.01215612
146 BANK, CRD AGE	.00952601	.01396005	.01841142	.03464847	.02026547	.02808500	.01842525	.01475778
147 INSURANCE CA	.00636637	.01504654	.01580372	.01604529	.00932127	.01336132	.01137246	.02181792
148 F-I, R-E, NEC	.01039205	.01114316	.01541996	.02511517	.01528466	.02203097	.02510890	.01419547
149 LEGAL SERVIC	.00320003	.00370581	.00381560	.00652010	.02543019	.00653565	.01024130	.00298259
150 LODGING SERV	.00064702	.00087594	.00141613	.00203869	.00866246	.00147421	.00130162	.00101261

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 105	* SECTOR 106	* SECTOR 107	* SECTOR 108	* SECTOR 109	* SECTOR 110	* SECTOR 111	* SECTOR 112 *
151 PERSONAL SER	.00025895	.00018043	.00077898	.00076349	.00176880	.00097026	.00056294	.00022597
152 ADVERTISING	.00043918	.00047021	.00138577	.00343934	.00429325	.00305623	.00048242	.00689602
153 DUPL, ADDRESS	.00006766	.00008167	.00011948	.00021791	.00018202	.00018772	.00011091	.00024541
154 PRI EMPL AGE	.00008302	.000490231	.00052049	.00069046	.00012278	.00035270	.00021442	.00015415
155 PHOTO SERVIC	.00024525	.00037127	.00121021	.00184456	.00046962	.00090538	.00041618	.00069226
156 RESRCH, DEVEL	.00021966	.00027642	.00038664	.00167184	.00144099	.00090645	.00024234	.00031177
157 OTHER BUS SE	.00205814	.00326858	.00503684	.00816244	.00723867	.00543130	.00290278	.00431306
158 MTN PCT, AM, R	.00006020	.00010884	.00016342	.00015705	.00037886	.00018252	.00009070	.00011326
159 AUTO RENT SE	.00704392	.00283131	.00206308	.00453205	.00324102	.00243273	.00132485	.00170564
160 AUTO PARKING	.00000524	.00000962	.00001027	.00001512	.00001012	.00001249	.00000903	.00001111
161 ELEC REP SHP	.00027523	.00020431	.00023977	.00114016	.00090516	.00037395	.00017461	.00023910
162 MISC REP SER	.00124400	.00173405	.00310703	.00378059	.00120750	.00248661	.00174946	.00178472
163 PHYS, DENT SE	.00004852	.00007130	.00016113	.00009221	.00005595	.00022195	.00006618	.00010394
164 HOSP, LAB SER	.00006240	.00008768	.00011637	.00014487	.00013619	.00360810	.00009601	.00015692
165 OTH MED SERV	.00001531	.00000317	.00002885	.00000527	.00000461	.00003668	.00000617	.00000942
166 ED (PUB, PRI)	.00591365	.00618276	.00667923	.01611360	.00400257	.01169343	.00516742	.00751073
167 COLL, UNIV	.00296832	.00255367	.00344223	.00730666	.00157692	.00419435	.00291878	.00347813
168 OTH ED SERV	.00000425	.00000563	.00000720	.00001462	.00001466	.00000966	.00001607	.00000715
169 ENG, ARCH SER	.00088758	.00228698	.00379009	.00546103	.00344753	.00288736	.00195220	.00162731
170 COMPU, ACCT SERV	.00228480	.00303601	.00464386	.00880751	.00436213	.00626549	.00834946	.00578217
171 OTH PROF SER	.00003767	.00007223	.00009785	.00005248	.00003113	.00006064	.00057831	.00011643
172 OTHER SERVIC	.00101899	.00106761	.00192956	.00308879	.00840599	.00303532	.00161630	.00530348
173 ORD, ORD ACES	.00000348	.00000287	.00002487	.00000237	.00000130	.00000388	.00000658	.00000119
174 OUTDOOR REC	.00035152	.00026612	.00034285	.00072320	.00012073	.00040438	.00021802	.00024337
175 SCRAP	.00070372	.00062890	.00088259	.00306457	.00020633	.00148793	.00043495	.00107588
TOTAL DIRECT/IND REQ	1.40798561	1.53982878	1.72488122	1.84452887	1.35349484	1.61168154	1.53267907	1.74596119

APPENDIX TABLE 9. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 113 *	* SECTOR 114 *	* SECTOR 115 *	* SECTOR 116 *	* SECTOR 117 *	* SECTOR 118 *	* SECTOR 119 *	* SECTOR 120 *
1 IRR COTTON	.00172212	.00005131	.00001739	.00002512	.00004885	.00002962	.00001606	.00002093
2 IRR FOOD GRAIN	.00010857	.00004063	.00002525	.00002884	.00005051	.00004021	.00002120	.00003055
3 IRR FEED GRAIN	.00009707	.00002054	.00002678	.00003163	.00004353	.00004255	.00002143	.00002084
4 OTHER IRR CROP	.00020658	.00007939	.00009358	.00010288	.00009648	.00015626	.00007122	.00006288
5 DRYLAND COTTON	.00051158	.00003213	.00000932	.00001206	.00002258	.00001535	.00000779	.00001139
6 DRY FOOD GRAIN	.00031774	.00002423	.00001474	.00001688	.00003618	.00002149	.00001301	.00001440
7 DRY FEED GRAIN	.00011502	.00003044	.00003101	.00003522	.00005212	.00004426	.00002467	.00003051
8 OTHER DRY CROP	.00007769	.00003455	.00002487	.00002921	.00003370	.00003203	.00002055	.00001976
9 RANGE LIVESTOCK	.00062261	.00008633	.00012523	.00015045	.00018480	.00019253	.00010450	.00008515
10 FEEDLOT LIVSTK	.00068932	.00013125	.00017609	.00021206	.00029344	.00029964	.00014378	.00012783
11 DAIRY	.00020018	.00006188	.00010061	.00012229	.00011127	.00010133	.00008820	.00006927
12 POULTRY,EGGS	.00009077	.00002691	.00003938	.00004702	.00004606	.00004311	.00003342	.00003108
13 AG SUP EX FMC	.00018106	.00002892	.00003050	.00003642	.00004338	.00004127	.00002817	.00002329
14 COTTON GINNING	.00026011	.00000985	.00000326	.00000451	.00000855	.00000547	.00000293	.00000387
15 AGRY SERVICES	.00020778	.00003306	.00003828	.00004521	.00005249	.00006498	.00005976	.00002920
16 PRIM FORESTRY	.00383668	.00039503	.00025524	.00036584	.00043705	.00032295	.00062184	.00017601
17 FISHERIES	.00005266	.00001167	.00002600	.00003020	.00003000	.00003097	.00002176	.00001943
18 CRUDE PETRO	.01286624	.01631345	.01915086	.02423502	.02776818	.03586549	.02065318	.03127775
19 NATRL GAS LQDS.	.00090021	.00117803	.00119254	.00146731	.00220088	.00281512	.00036039	.00236553
20 OIL,GAS FLDSV	.00267695	.00382937	.00439161	.00550697	.00669397	.00867935	.00406254	.00751633
21 LIGNITE,OTH MINE	.00152830	.00360341	.00059973	.00078698	.00066895	.00056630	.00172289	.00045834
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00000254	.00000192	.00000251	.00000400	.00000415	.00000872	.00001274	.00000216
24 INDUS CONS	.00000002	.00000001	.00000002	.00000003	.00000003	.00000006	.00000009	.00000001
25 FACILITY CONS	.00001003	.00000761	.00000994	.00001582	.00001641	.00003447	.00005034	.00000852
26 MAINTEN,REPR	.00670347	.00508371	.00664310	.01057130	.01096530	.02303218	.03365004	.00569576
27 MEAT PRODUCTS	.00058169	.00017947	.00041537	.00046117	.00031248	.00057287	.00033949	.00021140
28 POULTRY PROD	.00003794	.00001627	.00004547	.00005586	.00002797	.00003256	.00003900	.00002212
29 DAIRIES	.00017866	.00008314	.00020299	.00024806	.00014451	.00015807	.00018586	.00010065
30 OTH GRAIN MIL	.00011484	.00005592	.00003748	.00004216	.00006342	.00005272	.00004182	.00003630
31 ANIMAL FEEDS	.00010339	.00002500	.00006117	.00004311	.00004774	.00004431	.00002997	.00002683
32 BAKERY PROD	.00007860	.00003258	.00008118	.00009479	.00006337	.00008086	.00007481	.00004023
33 CNND,PSVP,PCK	.00021525	.00008942	.00022911	.00027055	.00016999	.00022160	.00020400	.00011326
34 OTH FOOD PROD	.00020023	.00217547	.00015070	.00017274	.00012980	.00018722	.00012362	.00007972
35 BEVERAGES	.00025941	.00007724	.00014004	.00017649	.00012788	.00046876	.00012481	.00008520
36 TEXTILE MILL	.01323675	.00009626	.00003783	.00008583	.00018371	.00007681	.00005506	.00003822
37 MBWMC FURN	.00385546	.00002075	.00003262	.00016375	.00004313	.00028445	.00005664	.00001761
38 RELATED APPRL	.00002493	.00001021	.00000843	.00000866	.00002611	.00001459	.00000828	.00000767
39 LOGGING	.01078541	.00029136	.00015205	.00021457	.00029110	.00019503	.00036635	.00011422
40 LUMBER MILLS	.00238627	.00056506	.00011133	.00018028	.00021781	.00014823	.00023797	.00008101
41 HILLWORK,WOOD	.01526138	.00070014	.000113661	.00163464	.00157410	.00142971	.00266622	.00070488
42 WOOD FURN,FIX	.00231400	.00016471	.00014389	.00019295	.00026302	.00020723	.00026915	.00008158
43 MET FURN,FIXT	.00010956	.00003301	.00010228	.00011683	.00009072	.00006294	.00009104	.00004145
44 PAPER,PAP MIL	.00601717	.00367288	.00050534	.00075007	.00194839	.00049181	.00231626	.00035818
45 PAP EX BOX,CT	.02045404	.00037942	.00022813	.00127576	.00200100	.00021005	.00102941	.00014433
46 BOXES,PAP CNT	.00765422	.00043165	.00032820	.00119849	.00097139	.00064546	.00043471	.00055422
47 NEWSPAPERS	.00534445	.00029466	.00166213	.00068241	.00058105	.00058571	.00047626	.00028305
48 PUBLISHING	.00151644	.00010444	.00011682	.00015108	.00039109	.00012639	.00027099	.00008150
49 PRINTING	.00335358	.00184744	.00183767	.00116413	.00194857	.00105452	.00206802	.00082110
50 MANFLD BUS FM	.00105461	.00020115	.00016248	.00064278	.00054128	.00027289	.00024887	.00013910

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 113	* SECTOR 114	* SECTOR 115	* SECTOR 116	* SECTOR 117	* SECTOR 118	* SECTOR 119	* SECTOR 120 *
51 OTH PRNT,PUBS	.00160377	.00013563	.00007484	.00019091	.00019033	.00009780	.00008487	.00006280
52 CHLOR,ALKALIE	.00049380	.00024397	.00019706	.00035582	.00029361	.00024068	.00027495	.00019773
53 CYCCRD INT,IG	.00232320	.00041576	.00034966	.00086402	.00048853	.00038254	.00027361	.00035847
54 ORG CHEM	.00796458	.00685888	.00656390	.00830668	.01179418	.01425747	.00256575	.00975775
55 INORG CHEM	.00095550	.00053153	.00036391	.00052587	.00067838	.00073623	.00023240	.00062586
56 FIBERS,PLASTI	.02975007	.00046971	.00020764	.00056570	.00056702	.00027705	.00021688	.00042275
57 SYN RUBBER	.00026167	.00029475	.00054337	.00204019	.00007512	.00012897	.00018853	.00017160
58 DRUGS	.00093264	.00001238	.00001518	.00001283	.00002864	.00001720	.00001704	.00001198
59 AGRIC CHEMICAL	.00043164	.00010636	.00012162	.00012910	.00014250	.00021928	.00011659	.00011296
60 SPS,CLNS,TOIL	.00105552	.00040740	.00021636	.00039662	.00037215	.00055416	.00008483	.00040383
61 PAINT+VARNISH	.00120935	.00067901	.00021499	.00030965	.00071096	.00037847	.00050121	.00019319
62 OTH CHEMICALS	.00317108	.00117321	.00072135	.00101813	.00136333	.00127564	.00047638	.00103721
63 PETRO REFING	.01303834	.06734223	.07043762	.08487384	.12936319	.17366165	.01775983	.14838367
64 OTH PETRO PRD	.00015460	.00008468	.00009715	.00014080	.00012210	.00017402	.00032390	.00008220
65 TIRES	.00059431	.00182380	.00352174	.01329898	.00037481	.00075627	.00118126	.00100971
66 FAB RUBBER PR	.00604326	.00054134	.00006045	.00012023	.00014569	.00012959	.00010992	.00003821
67 PLASTIC PRODS	.02925789	.00122632	.00045763	.00054349	.00169128	.00055285	.00047458	.00023062
68 LEATHER,L PRD	.00387218	.00004475	.00003118	.00003937	.00004938	.00005585	.00003452	.00003988
69 GLASS	.00817432	.00053163	.00006694	.00009995	.00016032	.00012500	.00013392	.00006557
70 CLAY	.00010951	.00005608	.00006173	.00009796	.00010359	.00020286	.00029773	.00005350
71 CUT ST,CL,SH	.00078299	.00057618	.00035174	.00060747	.000248851	.00040304	.00573291	.00037234
72 CEMENT,CONCRT	.00292561	.00024823	.00032940	.00047899	.00062636	.00081604	.00118833	.00027149
73 BLAST FURNACE	.00207007	.00264767	.00021866	.00045537	.00310473	.00033856	.00070044	.00030861
74 PRI STEEL,IRO	.00524790	.00045922	.00007237	.00015089	.00031616	.00013919	.00017663	.00010947
75 FOUNDRIES	.00038492	.00062055	.00013717	.00023675	.00310053	.00022817	.00039838	.00014835
76 NONFER SMELTG	.00231994	.00083696	.00027479	.00053428	.00069825	.00028558	.00023123	.00023493
77 AL SMLT ROL DR	.00404545	.00099542	.00038954	.00061434	.00113731	.00099984	.00075770	.00064336
78 CAST,FORGINGS	.00066984	.00155551	.00003424	.00006033	.00030460	.00021703	.00011792	.00003129
79 FABRI STEEL	.00207306	.00018660	.00006573	.00017439	.00045243	.00015190	.00018238	.00013520
80 PLATE WORK	.00542500	.00007148	.00004349	.00006556	.00054512	.00006059	.00013046	.00003825
81 SH MET,ARCH	.01535962	.00054529	.00039006	.00059680	.00068916	.00098819	.00139752	.00034030
82 METAL DOORS	.00014953	.00002176	.00002474	.00003177	.00007574	.00004633	.00004478	.00001918
83 FAB MET PROD	.00171560	.00484787	.00050017	.00103830	.00167593	.00092219	.00055258	.00094485
84 PLUMBING	.00025546	.00011561	.00005809	.00009566	.00037540	.00012469	.00019937	.00004444
85 BOLTS,NUTS,SC	.01398308	.00701681	.00016934	.00039434	.00179008	.00015434	.00049633	.00025752
86 ELCTPLT,CT,EN	.00034884	.00017920	.00005025	.00007394	.00013831	.00023150	.00012042	.00005204
87 VALVE,PIPE FT	.00132376	.00064702	.00050714	.00064469	.00101661	.00072168	.00070034	.00055768
88 OTH FAB MET P	.00116326	.00044651	.00022342	.00021055	.00078216	.00024972	.00015348	.00019169
89 FM,CONS,IND M	.00012249	.00009116	.00007580	.00010617	.00010917	.00018222	.00025515	.00007030
90 HTL HDL MC,EQ	.00007461	.00006336	.00004411	.00005346	.00007623	.00008465	.00003488	.00007148
91 MIN MACH,EQUP	.00022613	.00024032	.00021289	.00026385	.00031089	.00037249	.00035043	.00030958
92 ENGINES	.00071738	.00958914	.00009086	.00013385	.00014169	.00009571	.00459181	.00007383
93 METAL WK MACH	.00023111	.00285657	.00005530	.00006968	.00008050	.00011799	.00010208	.00003706
94 IND PROC MACH	.00095024	.00017698	.00015145	.00025389	.00035490	.00022989	.00010872	.00019368
95 GEN IND MACH	.00207526	.00230770	.00191558	.00236098	.00150723	.00108020	.00473375	.00107711
96 REFRIG MACH	.00013220	.00004523	.00006725	.00030592	.00011909	.00025027	.00010885	.00003614
97 COMPU,ACCT MACH	.00065494	.00039070	.00022855	.00042280	.00113275	.00147455	.00080723	.00021254
98 ELEC INST,AP	.00890551	.00316319	.00054257	.00089430	.00219809	.00124679	.00414087	.00053545
99 ELEC HSLD EQ	.00007226	.00002557	.00004827	.00006468	.00161943	.00005669	.00021187	.00002781
100 ELEC COMM EQ	.00045834	.00283263	.00028434	.00038676	.00191598	.00069099	.00261731	.00021606

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 113	* SECTOR 114	* SECTOR 115	* SECTOR 116	* SECTOR 117	* SECTOR 118	* SECTOR 119	* SECTOR 120 *
101 OTH ELEC APP	.00083393	.00251083	.00087879	.00201106	.00260330	.00019288	.00064152	.00009849
102 AIRCRAFT	.00000510	.00000668	.00000409	.00001053	.00000282	.00119462	.00000245	.00000254
103 AIRCRAFT ENG	.00000022	.00000006	.00000005	.00000006	.00000018	.00000071	.00000007	.00000004
104 OTH AIRCRAFT	.00002160	.00003228	.00002038	.00001018	.00000829	.00660168	.00001290	.00000803
105 MOTOR VHCL,P	.00085025	.00040595	.00082359	.02276188	.00085386	.00063989	.00045344	.01951196
106 SHIP,BT BLDG	.00004112	.00006974	.00009777	.00010726	.02959010	.00008900	.00005338	.00007477
107 OTH TRANS EQ	.00008094	.00391872	.00003458	.00005151	.00005431	.00001992	.00002608	.00002992
108 SCIENTIF INS	.00002932	.00004130	.00004487	.00002730	.00002255	.00003778	.00001814	.00001814
109 MECH MSRG DV	.00006262	.00006046	.00011708	.00063242	.00175572	.00007089	.00433410	.00004612
110 MEDICAL INST	.00017885	.00009450	.00020381	.00021396	.00017164	.00013694	.00017530	.00010465
111 PHO,TH,OPT I	.00015055	.00014666	.00014224	.00013521	.00011995	.00011252	.00012060	.00006800
112 GAMES,TOYS	.00003616	.00000403	.00000916	.00000968	.00000907	.00000650	.00000843	.00000422
113 OTH MFG IND	1.00404928	.00015007	.00027034	.00035958	.00065216	.00032879	.00029672	.00013893
114 RAIL TRANS	.00460346	1.03204957	.00557564	.00467553	.00189937	.00240972	.00360158	.00169959
115 INTERCTY HGY	.00004241	.00555486	1.00063406	.00007739	.00003678	.00015027	.00032379	.00011129
116 MOTOR FRT STR	.01810559	.00531007	.01011441	1.05658642	.00375100	.00468517	.00679278	.00349288
117 WATER TRANS	.00119849	.00233390	.00322637	.00211313	1.03769455	.00294630	.00172965	.00247353
118 AIR TRANS	.00287503	.00471203	.00264314	.00105724	.00089506	1.00916863	.00162224	.00095969
119 PIPELINE TRN	.00083636	.00170840	.00147228	.00166420	.00255797	.00325251	1.01532155	.00281833
120 LOC,SUB TRAN	.00002544	.00000296	.00000507	.00000515	.00000539	.00000476	.00000484	1.00000270
121 OTH TRAN SER	.00058253	.01343862	.00337245	.00023085	.00097966	.00592423	.00017695	.00062030
122 TELEP,TELEGR	.00642318	.00903393	.01792247	.01811677	.00592396	.01734931	.04045933	.00935401
123 RADIO , TV	.00108886	.00022050	.00064524	.00069913	.00039950	.00064324	.00043910	.00030121
124 OTH COMMUNIC	.00004830	.00002329	.00003753	.00003910	.00004283	.00006442	.00004932	.00002916
125 GAS SERVICES	.01452860	.00709495	.01221749	.01711327	.00735864	.00860325	.02631417	.00876250
126 ELEC SERVICES	.02013964	.00729774	.01566890	.01997349	.00817147	.00853067	.04673747	.01019672
127 WATER,SANI SERV	.00296742	.00604292	.00252600	.00201410	.00213106	.00180335	.00669119	.00195220
128 WHL AUT PT,S	.00140684	.00099720	.01726683	.00806800	.01702153	.00287231	.00330169	.00525698
129 WHL GRO,RELP	.00058054	.00017039	.00031063	.00049275	.00028810	.00038747	.00027082	.00031247
130 WHL FM PROD	.00277197	.00010797	.00016056	.00013632	.00022558	.00012971	.00009194	.00011310
131 WHL LIVESTOC	.00002041	.00001160	.00112925	.00000700	.00000882	.00000875	.00000587	.00000424
132 WHL MAC,EQ,S	.00570828	.00212502	.00408767	.00277853	.00660859	.00742493	.00295740	.00301360
133 WHL PET,PETP	.00319750	.02739129	.01755897	.01259240	.00827428	.03306182	.00660661	.03771007
134 GEN WHL	.04214123	.00393574	.00903051	.00780818	.02142856	.00736682	.00632306	.00650518
135 LUMBER YARDS	.00068258	.00029036	.00014926	.00035226	.00022952	.00024390	.00021980	.00042233
136 FARM EQ DEAL	.00019170	.00006470	.00011185	.00016351	.00011690	.00008656	.00006840	.00012235
137 HDW,HT,E,P,W	.00084696	.00003983	.00004916	.00007548	.00021467	.00007196	.00010400	.00004193
138 DEPT,VAR STO	.00180977	.00011439	.00010879	.00020505	.00030295	.00017584	.00013176	.00019959
139 FOOD STORES	.00023449	.00004301	.00005647	.00007854	.00008613	.00007219	.00005059	.00004153
140 AUTO DEAL,RP	.00298374	.00289157	.00237393	.01126128	.00293092	.00709729	.00363223	.00495180
141 GAS SER STAT	.00091428	.00015708	.00122898	.00500181	.00030338	.00043640	.00116911	.00037025
142 APPRL ACC ST	.00002230	.00000446	.00000333	.00004335	.00001959	.00000367	.00000362	.00000204
143 FURN,HM F,EQ	.00130180	.00005865	.00002570	.00006230	.00006487	.00006191	.00006414	.00003226
144 EAT,DRINK PL	.00144706	.00041015	.00127056	.00111473	.00083349	.00326173	.00074641	.00059501
145 OTHER RETAIL	.00168745	.00022423	.00023921	.00035957	.00035764	.00029003	.00023086	.00020665
146 BANK,CRD AGE	.01954406	.01649789	.03281302	.04247993	.03792524	.03838978	.04147245	.01236374
147 INSURANCE CA	.00982514	.00482705	.03420178	.02623621	.04325331	.02466395	.01218276	.03500615
148 F.I.R.E. NEC	.02250742	.03066216	.05951568	.07366875	.07397718	.02771886	.04496408	.02162828
149 LEGAL SERVIC	.00672659	.00607661	.01407195	.01722435	.00829613	.00703279	.00632527	.00739561
150 LODGING SERV	.00151453	.00040296	.00141863	.00114315	.00081914	.00403515	.00083717	.00064623

APPENDIX TABLE 9. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 113 *	* SECTOR 114 *	* SECTOR 115 *	* SECTOR 116 *	* SECTOR 117 *	* SECTOR 118 *	* SECTOR 119 *	* SECTOR 120 *
151 PERSONAL SER	.00025923	.00011645	.00048466	.00038606	.00019885	.00025726	.00018383	.00013621
152 ADVERTISING	.00183194	.00213047	.00389067	.00282439	.00058821	.00183312	.00091692	.00160761
153 DUPL, ADDRESS	.00017005	.00012901	.00036352	.00025088	.00019478	.00047964	.00024129	.00012250
154 PRI EMPL AGE	.00018044	.00007690	.00013116	.00013193	.00027875	.00014537	.00011020	.00008873
155 PHOTO SERVIC	.00052478	.00260406	.00066576	.00043319	.00044775	.00054533	.00041282	.00037503
156 RESRCH, DEVEL	.00013522	.00004700	.00004674	.00007215	.00014785	.00007592	.00005130	.00004888
157 OTHER BUS SE	.00722015	.00455029	.00502609	.00472530	.00520699	.01282222	.00361605	.00596190
158 MTN PCT, AM, R	.00012152	.00007197	.00010217	.00013592	.00008004	.00015395	.00008384	.00005291
159 AUTO RENT SE	.00229705	.00043146	.00166962	.00914950	.00077412	.00531845	.00101870	.00161299
160 AUTO PARKING	.00000954	.00000679	.00001880	.00001975	.00002232	.00001749	.00001518	.00001311
161 ELEC REP SHP	.00042926	.00053347	.00030460	.00063963	.00011404	.00017315	.00021517	.00008729
162 MISC REP SER	.00315735	.00075771	.00136153	.00081839	.00405314	.00427043	.02132258	.00113404
163 PHYS, DENT SE	.00006117	.00003355	.00013514	.00010978	.00017662	.00010558	.00006304	.00013042
164 HOSP, LAB SER	.00012439	.00006580	.00018912	.00015966	.00022946	.00015495	.00011701	.00015384
165 OTH MED SERV	.00000616	.00000266	.00000328	.00000362	.00000395	.00000327	.00000352	.00000210
166 ED (PUB, PRI)	.00972062	.00442063	.01300416	.01649418	.00733468	.00836614	.01136076	.00620730
167 COLL, UNIV	.00400112	.00183257	.00724695	.00768337	.00284497	.00323175	.00546531	.00267060
168 OTH ED SERV	.00000813	.00000696	.00004557	.00001428	.00024665	.00001809	.00003416	.00000746
169 ENG, ARCH SER	.00136823	.00078605	.00111737	.00125823	.00122197	.00131151	.00138833	.00109715
170 COMPU, ACCT SERV	.00534948	.00362739	.00764921	.00746259	.00454867	.00602497	.00643789	.00313808
171 OTH PROF SER	.00012135	.00003112	.00003315	.00004080	.00003212	.00002975	.00003521	.00001717
172 OTHER SERVIC	.01467947	.00389457	.00431131	.00165450	.01860703	.00186491	.00270555	.00138004
173 ORD, ORD ACCS	.00000091	.00000147	.00000032	.00000056	.00000732	.00000054	.00000094	.00000035
174 OUTDOOR REC	.00030266	.00018489	.00072866	.00121060	.00031177	.00032409	.00041931	.00025256
175 SCRAP	.00027709	.00008770	.00006175	.00007462	.00013488	.00005653	.00005029	.00005567
TOTAL DIRECT/IND REQ	1.57561445	1.39562253	1.45731707	1.59744258	1.61875634	1.57472607	1.47621093	1.44928129

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 121	* SECTOR 122	* SECTOR 123	* SECTOR 124	* SECTOR 125	* SECTOR 126	* SECTOR 127	* SECTOR 128 *
1 IRR COTTON	.00001455	.00001529	.00002257	.00003323	.00001817	.00002919	.00008782	.00003814
2 IRR FOOD GRAIN	.00002334	.00002492	.00003712	.00004652	.00002999	.00003086	.00005443	.00005567
3 IRR FEED GRAIN	.00005081	.00004156	.00007805	.00004835	.00005014	.00004046	.00002779	.00006849
4 OTHER IRR CROP	.00023309	.00014234	.00032380	.00011531	.00017849	.00012796	.00007378	.00034333
5 DRYLAND COTTON	.00000760	.00000866	.00001215	.00001737	.00001034	.00001354	.00003192	.00002043
6 DRY FOOD GRAIN	.00001546	.00001390	.00002457	.00004490	.00001615	.00002058	.00003530	.00002902
7 DRY FEED GRAIN	.00003456	.00004521	.00006224	.00005181	.00005477	.00004584	.00004519	.00006670
8 OTHER DRY CROP	.00003365	.00005234	.00006712	.00003656	.00006450	.00004671	.00002476	.00005663
9 RANGE LIVESTOCK	.00025594	.00022907	.00040736	.00021368	.00027932	.00021177	.00011967	.00033043
10 FEEDLOT LIVESTOCK	.00039055	.00026237	.00056613	.00033658	.00031501	.00025727	.00017296	.00048398
11 DAIRY	.00011090	.00028180	.00029457	.00012801	.00034919	.00023445	.00008325	.00020187
12 POULTRY, EGGS	.00003872	.00009989	.00010182	.00004967	.00012312	.00008287	.00003908	.00007882
13 AG SUP EX FMC	.00004690	.00005984	.00008414	.00004674	.00007196	.00005460	.00003440	.00007237
14 COTTON GINNING	.00000286	.00000320	.00000452	.00000615	.00000358	.00000547	.00001409	.00000719
15 AGRIC SERVICES	.00005111	.00005800	.00009015	.00004916	.00007276	.00005685	.00006597	.00008115
16 PRIM FORESTRY	.00025842	.00278148	.00053031	.00031250	.00018639	.00403183	.00061416	.00037135
17 FISHERIES	.00003538	.00006130	.00007491	.00003360	.00007643	.00005267	.00002312	.00006002
18 CRUDE PETRO	.01127825	.00748328	.00789912	.00945426	.50996132	.14451021	.02722558	.03008476
19 NATRL GAS LQDS.	.00067223	.00034621	.00022915	.00048514	.00026756	.00032372	.00073150	.00070776
20 OIL, GAS FLDSV	.00258267	.00162783	.00161733	.00202599	.09420303	.02684147	.00534284	.00602247
21 LIGNITE, OTH MINE	.00042083	.00054418	.00090169	.00095884	.00044174	.02862765	.00307689	.00102550
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM, ED, INST	.00000219	.00000132	.00000378	.00000180	.00000221	.00000239	.00001088	.00000296
24 INDUS CONS	.00000001	.00000001	.00000003	.00000001	.00000001	.00000002	.00000007	.00000002
25 FACILITY CONS	.00000865	.00000521	.00001496	.00000714	.00000873	.00000944	.00004300	.00001170
26 MAINTEN, REPR	.00578278	.00347917	.00999660	.00476700	.00582643	.00630676	.02874584	.00781634
27 MEAT PRODUCTS	.00095571	.00097880	.00159187	.00043309	.00123068	.00080017	.00023720	.00125177
28 POULTRY PROD	.00004664	.00016569	.00015381	.00003988	.00020527	.00012419	.00002240	.00008415
29 DAIRIES	.00023478	.00070499	.00069997	.00019735	.00087900	.00055597	.00011282	.00040028
30 OTH GRAIN MIL	.00004298	.00005605	.00007779	.00005854	.00007004	.00005974	.00012963	.00008377
31 ANIMAL FEEDS	.00004755	.00008027	.00009931	.00005283	.00009843	.00006977	.00003465	.00007659
32 BAKERY PROD	.00012973	.00024143	.00029126	.00008531	.00030384	.00020104	.00004799	.00019065
33 CNND, PSVP, PCK	.00035174	.00070951	.00082084	.00023215	.00089023	.00056891	.00012707	.00052640
34 OTH FOOD PROD	.00020683	.00038456	.00044405	.00015693	.00048233	.00031623	.00009376	.00035842
35 BEVERAGES	.00016536	.00035656	.00038378	.00016479	.00045311	.00029437	.00009304	.00027874
36 TEXTILE MILL	.00004060	.00003507	.00006085	.00007702	.00004187	.00012032	.00053754	.00008942
37 MBWMC FURN	.00003655	.00008583	.00006726	.00005417	.00011836	.00030122	.00004358	.00006783
38 RELATED APPRL	.00001592	.00000474	.00001506	.00001397	.00003910	.00003642	.00012011	.00005174
39 LOGGING	.00015616	.00141912	.00029951	.00019639	.00011303	.000201320	.00034829	.00023301
40 LUMBER MILLS	.00010432	.00047485	.00027467	.00010380	.00030586	.00059338	.00023444	.00018142
41 MILLWORK, WOOD	.00110429	.01498053	.00247626	.00133732	.00066552	.02235730	.00295728	.00157215
42 WOOD FURN, FIX	.00016605	.00015699	.00028949	.00021332	.00021176	.00021107	.00020161	.00023205
43 MET FURN, FIXT	.00007090	.00020298	.00023731	.00006720	.00030188	.00022925	.00005269	.00014508
44 PAPER, PAP MIL	.00083137	.00177587	.00095707	.00062677	.00040071	.00044259	.00073747	.00075786
45 PAP EX BOX, CT	.00024693	.00064472	.00042236	.00032132	.00066839	.00057941	.000183315	.00041641
46 BOXES, PAP CNT	.00027711	.00029535	.00050123	.00045554	.00024500	.00033848	.00094135	.00045207
47 NEWSPAPERS	.00089658	.00064943	.00704574	.00067653	.00069513	.00154288	.00309735	.00293548
48 PUBLISHING	.00013893	.00039054	.000138664	.00474958	.00017832	.00056311	.00014921	.00024736
49 PRINTING	.00638850	.01858807	.00470650	.00222138	.00084270	.00089514	.00064225	.00180703
50 MANFLC BUS FM	.00147969	.00012802	.00061687	.00057770	.00039930	.00057124	.00024264	.00066893

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 121 *	* SECTOR 122 *	* SECTOR 123 *	* SECTOR 124 *	* SECTOR 125 *	* SECTOR 126 *	* SECTOR 127 *	* SECTOR 128 *
51 OTH PRNT,PUBS	.00032600	.00017910	.00055251	.00166401	.00009997	.00018833	.00060089	.00024326
52 CHLOR,ALKALIE	.00022762	.00027470	.00030552	.00033184	.00033035	.00200081	.00888803	.00037521
53 CYCCRD INT,IG	.00030934	.00015511	.00021139	.00049683	.00015335	.00024839	.01131838	.00052634
54 ORG CHEM	.00312303	.00171662	.00126508	.00283878	.00287962	.00217830	.00344196	.00403265
55 INORG CHEM	.00035253	.00024034	.00030129	.00040091	.00055159	.00057662	.00191053	.00046542
56 FIBERS,PLASTI	.00022605	.00016050	.00031520	.00129920	.00016250	.00039520	.00051695	.00046772
57 SYN RUBBER	.00057926	.00004680	.00002862	.00005925	.00002842	.00005291	.00008877	.00022588
58 DRUGS	.00001937	.00000948	.00002845	.00002424	.00001508	.00002702	.00001660	.00002382
59 AGRIC CHEMICAL	.00065658	.00012438	.00052794	.00013277	.00014702	.00057805	.00060782	.00023710
60 SPS,CLMS,TOIL	.00024101	.00012588	.00023419	.00010721	.00008911	.00016134	.00072110	.00017812
61 PAINT+VARNISH	.00020315	.00026678	.00034070	.00028981	.00035719	.00038690	.00051520	.00027472
62 OTH CHEMICALS	.00057764	.00074710	.00045598	.00074402	.00085446	.00157823	.00055872	.00053904
63 PETRO REFING	.03932768	.01890107	.00905835	.01456975	.01081889	.01280652	.02180241	.03239688
64 OTH PETRO PRD	.00007009	.00007235	.00013676	.00011215	.00112243	.00253803	.00329070	.00017900
65 TIRES	.00376620	.00027588	.00013005	.00013749	.00014771	.00028490	.00036287	.00127254
66 FAB RUBBER PR	.00007169	.00003998	.00007502	.00038811	.00004891	.00016246	.00129988	.00008138
67 PLASTIC PRODS	.00053457	.00033753	.00086069	.00277598	.00035269	.00082030	.00154953	.00062350
68 LEATHER,L PRO	.00002961	.00002517	.00003849	.00006780	.00003132	.00003336	.00013384	.00005448
69 GLASS	.00007001	.00009426	.00014889	.00013301	.00011718	.00009833	.00011823	.00018142
70 CLAY	.00005364	.00003621	.00013762	.00005009	.00006017	.00015012	.00028155	.00007557
71 CUT ST,CL,SH	.00027483	.00023571	.00053355	.00035922	.00023317	.00061404	.03695514	.00057201
72 CEMENT,CONCRT	.00031804	.00051372	.00048112	.00028070	.00051506	.00063517	.000397007	.00043271
73 BLAST FURNACE	.00019227	.00015178	.00039031	.00031712	.00039509	.00066331	.00277496	.00038519
74 PRI STEEL,IRO	.00006955	.00007228	.00012217	.00011634	.00014563	.00033931	.00033698	.00017599
75 FOUNDRIES	.00011267	.00008421	.00027058	.00019669	.00085879	.00057455	.00037704	.00027361
76 NONFER SMELTG	.00037513	.00026617	.00027144	.00253139	.00012849	.00028989	.00033508	.00030429
77 AL SMLT ROL DR	.00028311	.00030962	.00060797	.00104120	.00026671	.00055414	.00122607	.00055986
78 CAST,FRGINGS	.00002791	.00006275	.00006200	.00005619	.00008486	.00009979	.00006318	.00006955
79 FABRI STEEL	.00006121	.00004050	.00017322	.00015928	.00008801	.00019672	.00018541	.00014082
80 PLATE WORK	.00004816	.00002469	.00005519	.00006584	.00004607	.00010473	.00018819	.00007296
81 SH MET,ARCH	.00038226	.00025023	.00066859	.00049627	.00058723	.00101545	.00112284	.00056782
82 METAL DOORS	.00002670	.00002243	.00012065	.00002207	.00002152	.00009286	.00003518	.00002834
83 FAB MET PROD	.00033887	.00042265	.00038815	.00063782	.00044840	.00038729	.00180237	.00059442
84 PLUMBING	.00005196	.00006051	.00045302	.00008527	.00008578	.00033913	.00023025	.00011140
85 BOLTS,NUTS,SC	.00010249	.00008672	.00012457	.00030707	.00013997	.00034934	.00024782	.00028497
86 ELCTPLT,CT,EN	.00004946	.00003113	.00007668	.00023431	.00006642	.00016864	.00008771	.00008385
87 VALVE,PIPE FT	.00031361	.00026514	.00045624	.00039830	.01103614	.00456708	.00214622	.00110447
88 OTH FAB MET P	.00020751	.00008931	.00034928	.00081656	.00015647	.00014463	.00009661	.00024378
89 FM,CONS,IND M	.00006375	.00004595	.00009681	.00006030	.00006736	.00029095	.00101290	.00016081
90 MTL HDL MC,EQ	.00002820	.00002310	.00002470	.00005639	.00003509	.00022706	.00004543	.00004170
91 MIN MACH,EQP	.00012982	.00025937	.00013813	.00014324	.00039818	.00188027	.00035786	.00033107
92 ENGINES	.00005615	.00004282	.00004767	.00009019	.00008669	.00037893	.00030052	.00019268
93 METAL WK MACH	.00004275	.00003386	.00005274	.00006477	.00011131	.00024668	.00045122	.00008136
94 IND PROC MACH	.00016775	.00025142	.00010424	.00010336	.00004882	.00012454	.00093157	.00049132
95 GEN IND MACH	.00212289	.00062356	.00133484	.00133689	.00113199	.00147410	.00078032	.00159749
96 REFRIG MACH	.00007835	.00007993	.00010649	.00004732	.00011669	.00008943	.00008569	.00081448
97 COMP,ACCT MACH	.00026834	.00047687	.00048296	.00082446	.00033972	.00054756	.00125378	.00045278
98 ELEC INST,AP	.00037761	.00093556	.00071109	.00052903	.00060236	.00122760	.00262962	.00065152
99 ELEC HSLD EQ	.00005377	.00004976	.00007981	.00007722	.00009106	.00006808	.00017140	.00013454
100 ELEC COMM EQ	.00028868	.00089994	.000721874	.16228437	.00115863	.00093771	.00030894	.00047257

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 121 *	* SECTOR 122 *	* SECTOR 123 *	* SECTOR 124 *	* SECTOR 125 *	* SECTOR 126 *	* SECTOR 127 *	* SECTOR 128 *
101 OTH ELEC APP	.00159121	.00034633	.00085561	.01326457	.00018395	.00021091	.00018766	.00026193
102 AIRCRAFT	.00001034	.00000164	.00001714	.00000277	.00000349	.00000219	.00000250	.00000547
103 AIRCRAFT ENG	.00000006	.00000006	.00000011	.00000006	.00000011	.00000008	.00000008	.00000009
104 OTH AIRCRAFT	.00005597	.00001217	.00009619	.00000917	.00002515	.00001396	.00000773	.00002837
105 MOTOR VHCL,P	.00165705	.00025560	.00138621	.00613530	.00039950	.00053385	.00059842	.00194808
106 SHIP,BT BLDG	.00004518	.00001685	.00001568	.00001568	.00013409	.00006403	.00003257	.00026347
107 OTH TRNS EQ	.00002343	.00001182	.00003216	.00005308	.0001407	.00002473	.00005977	.00005977
108 SCIENTIF INS	.00002795	.00008410	.00008670	.00013211	.00013292	.00008678	.00001863	.00003881
109 MECH HSRG DV	.00005167	.00002272	.00003935	.00004392	.00003998	.00004345	.00004499	.00010130
110 MEDICAL INSTI	.00016833	.00039261	.00043240	.00018040	.00056898	.00041958	.00241586	.00031375
111 PHO,TH,OPT I	.00017407	.00016239	.00074344	.00023218	.00017751	.00019480	.00009326	.00021876
112 GAMES,TOYS	.00000923	.00001712	.00002676	.00001017	.00002365	.00001713	.00000578	.00003049
113 OTH HF6 IND	.00035827	.00032859	.00062360	.00029728	.00025818	.00026248	.00066580	.00066637
114 RAIL TRNS	.00214331	.00196053	.00078031	.00077844	.00133189	.00392897	.00336308	.00938568
115 INTERCTY H6Y	.00016105	.00001645	.00019505	.00001434	.00001432	.00002904	.00002750	.00017555
116 MOTOR FRT STR	.00430729	.000361173	.000395398	.00235870	.00374689	.00095957	.00645500	.01770077
117 WATER TRNS	.00138823	.00035326	.00028516	.00043931	.00292235	.00166162	.00093906	.00680463
118 AIR TRNS	.00829595	.00101388	.01390768	.00106893	.00252090	.00121776	.00091171	.00374668
119 PIPELINE TRN	.00099375	.00038764	.00025054	.00042662	.00029606	.00048485	.00084146	.00717781
120 LOC,SUB TRN	.00000876	.00000349	.00001148	.00000580	.00000397	.00000415	.00000488	.00001420
121 OTH TRN SER	1.00576775	.00009066	.00021074	.00020492	.00019616	.00084276	.00022781	.00225720
122 TELEP,TELEGR	.01020476	1.00187715	.02153355	.02046046	.00396855	.00488087	.00454960	.01955405
123 RADIO, TV	.00064729	.00073175	.000255034	.01515109	.00059192	.00137325	.00037290	.00236136
124 OTH COMMUNIC	.00007708	.00002056	.00629668	1.08408462	.00013480	.0006284	.00066581	.00020412
125 GAS SERVICES	.00789604	.00755583	.01150586	.01130386	1.01668541	.28350360	.0429490	.04569345
126 ELEC SERVICES	.00975021	.01458751	.02498327	.02729820	.00855665	1.00662063	.06436536	.02774206
127 WATER,SANI SERV	.00184284	.00385260	.00576598	.00409977	.00152690	.00701718	1.14590225	.00802415
128 WHL AUT PT,S	.03497118	.00026070	.00030901	.00028265	.00042068	.00081686	.00061506	1.00275678
129 WHL GRO,REL	.00063403	.00051149	.00087789	.00030707	.00063941	.00050099	.00023923	.00105186
130 WHL FM,PROD	.00024107	.00007151	.00010166	.00011340	.00009700	.00010643	.00025241	.00486936
131 WHL LIVESTOC	.00001118	.00000916	.00001695	.00000987	.00001161	.00000946	.00001974	.00001974
132 WHL MAC,EQ,S	.00275387	.00328689	.00354943	.00208166	.00493468	.00478632	.03331406	.01214946
133 WHL PET,PETP	.00719331	.00050218	.00179781	.00076303	.00269777	.00322765	.00546322	.00695394
134 GEN WHL	.00768786	.00416866	.00666874	.01139063	.00655153	.00827811	.00950011	.01837091
135 LUMBER YARDS	.00035031	.00010499	.00017618	.00011317	.00014356	.00030091	.00018336	.00023188
136 FARM EQ DEAL	.00014870	.00005474	.00008868	.00008375	.00010392	.00011189	.00004613	.00009699
137 HDW,HT,E,P,W	.00005167	.00009850	.00011356	.00007757	.00012460	.00026260	.00008762	.00018180
138 DEPT,VAR STO	.00013597	.00016227	.00023957	.00055620	.00013352	.00019456	.00014410	.00012897
139 FOOD STORES	.00010269	.00006307	.00016965	.00008949	.00011656	.00007325	.00005550	.00013061
140 AUTO DEAL,RP	.01450047	.00059375	.00133211	.00101270	.00253121	.00927323	.00158981	.00389709
141 GAS SER STAT	.00126693	.00009437	.00044098	.00016967	.00043486	.00043707	.00071153	.00332394
142 APPL ACC ST	.00000671	.00000570	.00000678	.00000608	.00000256	.00000271	.00000513	.00001959
143 FURN,HH F,EQ	.00003083	.00014630	.00006871	.00064432	.00002862	.00020541	.00005303	.00004408
144 EAT,DRINK PL	.00601141	.00045176	.00628916	.00135212	.00056984	.00043058	.00062307	.00656873
145 OTHER RETAIL	.00032945	.00021805	.00048334	.00033137	.00030661	.00029090	.00029120	.00176859
146 BANK,CRD AGE	.04502932	.02077066	.04432420	.08228841	.02667777	.02439691	.02353456	.06280758
147 INSURANCE CA	.05259229	.00243597	.00985409	.01375841	.00568893	.00612583	.01041378	.03178748
148 F.I.R.E. NEC	.08205656	.04091619	.06311113	.04472362	.03746805	.03710660	.01053918	.06612787
149 LEGAL SERVIC	.01577375	.00336518	.00969559	.00962931	.00821053	.00832905	.00229778	.01014501
150 LODGING SERV	.00481324	.00058109	.00367642	.00073917	.00096867	.00071757	.00099519	.00907681

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 121	* SECTOR 122	* SECTOR 123	* SECTOR 124	* SECTOR 125	* SECTOR 126	* SECTOR 127	* SECTOR 128 *
151 PERSONAL SER	.00034930	.00021890	.00095477	.00017382	.00015874	.00012843	.00019688	.00092262
152 ADVERTISING	.00130007	.00107836	.01111782	.00044193	.00031154	.00031121	.00025427	.00175920
153 DUPL, ADDRESS	.00030653	.00052872	.00098677	.00208063	.00054624	.00057377	.00012482	.00035565
154 PRI EMPL AGE	.00027851	.00006217	.00023512	.00027642	.00010113	.00008849	.00016824	.00048449
155 PHOTO SERVIC	.00062031	.00074280	.00284230	.00070450	.00018161	.00021601	.00035886	.00124166
156 RESRCH, DEVEL	.00005198	.00001477	.00002035	.00004621	.00002232	.00002684	.00007513	.00089361
157 OTHER BUS SE	.05055414	.00158839	.03485933	.00401148	.00400089	.00309852	.03858431	.00924983
158 MTN PCT, AM, R	.00027154	.00008523	.00327028	.00014769	.00011599	.00009810	.00006370	.00035477
159 AUTO RENT SE	.00395769	.00033670	.00211232	.00037794	.00075367	.00057462	.00091393	.01096809
160 AUTO PARKING	.00002801	.00000688	.00001712	.00002562	.00001612	.00001719	.00001085	.00002890
161 ELEC REP SHP	.00027026	.00005561	.00371951	.00014672	.00032383	.00016215	.00043306	.00061853
162 MISC REP SER	.00080063	.00036555	.00336654	.00371091	.00633358	.00352756	.00153620	.00455262
163 PHYS, DENT SE	.00020841	.00006597	.00011413	.00007743	.00012348	.00006045	.00005932	.00030861
164 HQSP, LAB SER	.00031508	.00005682	.00023492	.00015185	.00008721	.00008461	.00012314	.00022587
165 OTH MED SERV	.00000578	.00000209	.00000768	.00000460	.00000306	.00000305	.00000503	.00000890
166 ED (PUB, PRI)	.01206077	.05082036	.04493618	.01091232	.06275123	.03750256	.00605279	.02304378
167 COLL, UNIV	.00390787	.01529916	.01362654	.00234829	.02332282	.01503745	.00245125	.00930393
168 OTH ED SERV	.00001355	.00029469	.00024763	.00001544	.00000653	.00000691	.00000481	.00005249
169 ENG, ARCH SER	.00092694	.00102814	.00286565	.00100675	.00297598	.01745449	.00513320	.00458866
170 COMPU, ACCT SERV	.01005519	.00417589	.01143503	.01130043	.00346788	.00450615	.00309723	.00865322
171 OTH PROF SER	.00003647	.00006067	.00006143	.00004569	.00006121	.00014259	.00003197	.00007285
172 OTHER SERVIC	.00449332	.00076469	.00858416	.01958917	.00212363	.00216116	.00098116	.00450548
173 ORD, ORD ACCS	.00000027	.00000020	.00000064	.00000046	.00000203	.00000136	.00000113	.00000065
174 OUTDOOR REC	.00030684	.00164588	.00145711	.00017406	.00240088	.00083929	.00021341	.00096255
175 SCRAP	.00008630	.00002806	.00003734	.00015198	.00003709	.00005128	.00013034	.00152488
TOTAL DIRECT/IND REQ	1.51972111	1.28753823	1.47660766	1.64925522	1.91344330	1.80091898	1.63677902	1.59700534

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 129 *	* SECTOR 130 *	* SECTOR 131 *	* SECTOR 132 *	* SECTOR 133 *	* SECTOR 134 *	* SECTOR 135 *	* SECTOR 136 *
1 IRR COTTON	.00013311	.00050181	.00022880	.00026772	.00024389	.00006225	.00005257	.00004606
2 IRR FOOD GRAIN	.00020569	.00004134	.00020083	.00041939	.00038277	.00009404	.00014688	.00011053
3 IRR FEED GRAIN	.00006871	.00003292	.00038047	.00013861	.00009737	.00005379	.00039495	.00026505
4 OTHER IRR CROP	.00029210	.00013134	.00046499	.00061545	.00040920	.00024789	.00248364	.00167549
5 DRYLAND COTTON	.00007568	.00015094	.00008729	.00015311	.00014003	.00003462	.00028331	.00002406
6 DRY FOOD GRAIN	.00008635	.00001807	.00019368	.00018353	.00015695	.00004304	.00007903	.00005891
7 DRY FEED GRAIN	.00017705	.00004422	.00104957	.00035606	.00031687	.00008865	.00021428	.00015268
8 OTHER DRY CROP	.00009348	.00003168	.00015993	.00018257	.00015330	.00005471	.00026258	.00018305
9 RANGE LIVESTOCK	.00019238	.00020810	.00064527	.00037968	.00019155	.00021076	.00275122	.00187786
10 FEEDLOT LIVESTOCK	.00027665	.00021388	.00043786	.00057023	.00027222	.00031307	.00310712	.00206407
11 DAIRY	.00028540	.00012277	.00009018	.00050808	.00043418	.00017113	.00043978	.00030671
12 POULTRY, EGGS	.00016340	.00006066	.00045088	.00030700	.00027351	.00008581	.00017333	.00012475
13 AG SUP EX FMC	.00009740	.00006133	.00022040	.00018974	.00015146	.00006391	.00034771	.00023789
14 COTTON GINNING	.00002462	.00007599	.00003725	.00004953	.00004503	.00001155	.00001146	.00000952
15 AGRI SERVICES	.00012049	.00008822	.00238052	.00023305	.00020461	.00007762	.00037733	.00026112
16 PRIM FORESTRY	.00093270	.00036386	.00033028	.00082078	.00076935	.00049091	.00038941	.00028355
17 FISHERIES	.00009747	.00003377	.00002784	.00018865	.00015816	.00005696	.00030782	.00020554
18 CRUDE PETRO	.02510488	.01858966	.01038658	.03407453	.02571705	.01671741	.01032836	.00871975
19 NATRL GAS LIQDS.	.00131996	.00060667	.00032867	.00242660	.00223857	.00089796	.00059899	.00052520
20 OIL, GAS FLDSV	.00522888	.00386674	.00211106	.00730128	.00556821	.00348046	.00225321	.00192044
21 LIGNITE, OTH MINE	.00121244	.00104508	.00076997	.00150015	.00135711	.00097640	.00071080	.00059639
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM, ED, INST	.00000424	.00000720	.00000996	.00000585	.00001057	.00000360	.00000310	.00000279
24 INDUS CONS	.00000003	.00000005	.00000007	.00000004	.00000007	.00000002	.00000002	.00000002
25 FACILITY CONS	.00001676	.00002848	.00003935	.00002314	.00004177	.00001423	.00001225	.00001105
26 MAINTEN, REPR	.01119883	.01903229	.02630576	.01546209	.02791601	.00951003	.00818284	.00737753
27 MEAT PRODUCTS	.00062942	.00049877	.00122406	.00129734	.00055540	.00073642	.01285503	.00888895
28 POULTRY PROD	.00005254	.00004807	.00064454	.00006257	.00004260	.00004551	.00013675	.00009316
29 DAIRIES	.00024250	.00022220	.00013913	.00029680	.00019236	.00021677	.00072253	.00048589
30 OTH GRAIN MIL	.00021933	.00005361	.00084497	.00044107	.00039231	.00010971	.00034199	.00024557
31 ANIMAL FEEDS	.00010899	.00004978	.02305811	.00020511	.00016806	.00006866	.00033407	.00023004
32 BAKERY PROD	.00010117	.00009307	.00007928	.00015292	.00007646	.00010557	.00114788	.00079146
33 CNND, PSVP, PCK	.00028554	.00025910	.00022172	.00043115	.00022159	.00029274	.00306962	.00211674
34 OTH FOOD PROD	.00025723	.00019986	.00088347	.00045297	.00030503	.00021412	.00108928	.00075363
35 BEVERAGES	.00026867	.00017478	.00012287	.00044128	.00034504	.00019317	.00050214	.00035224
36 TEXTILE MILL	.00015613	.00381987	.00072338	.00028341	.00023977	.00009574	.00014386	.00013460
37 MBWMC FURN	.00006034	.00005595	.00002779	.00006795	.00005540	.00004867	.00071529	.00052218
38 RELATED APPRL	.00022836	.00002354	.00001405	.00006428	.00005609	.00019162	.00003161	.00001542
39 LOGGING	.00062986	.00022461	.00019479	.00073977	.00068060	.00034257	.00026153	.00021138
40 LUMBER MILLS	.00024050	.00017806	.00015367	.00025209	.00024929	.00016135	.00012846	.00009921
41 MILL WORK, WOOD	.00383979	.00153092	.00144905	.00195307	.00185332	.00181369	.00155207	.00106308
42 WOOD FURN, FIX	.00022211	.00027569	.00019441	.00024261	.00022134	.00018180	.00021661	.00016395
43 MET FURN, FIXT	.00011448	.00008631	.00004641	.00009851	.00006116	.00008307	.00007435	.00006899
44 PAPER, PAP MIL	.00113332	.00090054	.00086902	.00183492	.00167917	.00158924	.00140596	.00108552
45 PAP EX BOX, CT	.00180108	.00107828	.00062998	.00072360	.00056933	.00118797	.00041722	.00037666
46 BOXES, PAP CNT	.00147194	.00153206	.00048630	.00108699	.00086988	.00113820	.00106444	.00091929
47 NEWSPAPERS	.00261867	.00078534	.00374982	.00254740	.00104527	.00295956	.01861977	.01104588
48 PUBLISHING	.00032781	.00105015	.00017217	.00045517	.00027143	.00106540	.00028802	.00027395
49 PRINTING	.00174775	.00140139	.00117917	.00429578	.00573680	.00464289	.00288997	.00244288
50 MANFLD BUS FM	.00044759	.00084182	.00024416	.00059596	.00026452	.00068369	.00055661	.00034926

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 129 *	* SECTOR 130 *	* SECTOR 131 *	* SECTOR 132 *	* SECTOR 133 *	* SECTOR 134 *	* SECTOR 135 *	* SECTOR 136 *
51 OTH PRNT,PUBS	.00033991	.00035066	.00028169	.00042310	.00049392	.00044278	.00070880	.00085175
52 CHLOR,ALKALIE	.00048593	.00025677	.00045345	.00087652	.00087120	.00042382	.00021999	.00019030
53 CYCCRD INT,IG	.00082383	.00033181	.00067139	.00167607	.00224283	.00071335	.00029257	.00034325
54 ORG CHEM	.00678317	.00313880	.00369331	.00973469	.00910511	.00406201	.00488560	.00240226
55 INORG CHEM	.00066314	.00034144	.00067096	.00129501	.00110240	.00055417	.00035441	.00029765
56 FIBERS,PLASTI	.00081274	.00031046	.00065956	.00179847	.00137714	.00078070	.00030297	.00031754
57 SYN RUBBER	.00022392	.00019566	.00011298	.00020992	.00278572	.00025508	.00009710	.00043652
58 DRUGS	.00002223	.00001552	.00156113	.00002829	.00002396	.00001671	.00003985	.00003258
59 AGRI CHEMICAL	.00027588	.00022526	.00088984	.00045493	.00037194	.00020015	.00057004	.00045321
60 SPS,CLNS,TOIL	.00022194	.00021047	.00006945	.00029069	.00023174	.00013410	.00016084	.00015202
61 PAINT+VARNISH	.00031714	.00037217	.00035165	.00045794	.00139855	.00023964	.00021019	.00021973
62 OTH CHEMICALS	.00078646	.00049667	.00037935	.00111530	.00137484	.00055055	.00044044	.00041077
63 PETRO REFING	.02514834	.02859774	.01311108	.03638490	.02498560	.02011062	.02078798	.01977522
64 OTH PETRO PRD	.00018307	.00019671	.00019353	.00021430	.00024671	.00015125	.00011070	.00009206
65 TIRES	.00105298	.00107709	.00066721	.00040609	.01748891	.00133277	.00054437	.00027356
66 FAB RUBBER PR	.00014420	.00008728	.00006908	.00026228	.00023970	.00008669	.00007062	.00007285
67 PLASTIC PRODS	.00069684	.00053374	.00053308	.00215356	.00096286	.00061555	.00048734	.00045082
68 LEATHER,L PRD	.00010623	.00003706	.00003046	.00009601	.00009140	.00006368	.00006630	.00005640
69 GLASS	.00025809	.00048839	.00022623	.00048028	.00041793	.00019910	.00027445	.00021546
70 CLAY	.00010827	.00017196	.00023293	.00017259	.00025678	.00009176	.00007627	.00006632
71 CUT ST,CL,SH	.00057487	.00066288	.00054402	.00069558	.00068844	.00049755	.00034012	.00025344
72 CEMENT,CONCRT	.00053269	.00071666	.00096518	.00078601	.00110825	.00045939	.00036706	.00032698
73 BLAST FURNACE	.00059664	.00086683	.00049727	.00090266	.00084276	.00042307	.00022607	.00019680
74 PRI STEEL,IRO	.00019784	.00016679	.00012177	.00031142	.00028003	.00015000	.00010191	.00009909
75 FOUNDRIES	.00034525	.00046172	.00027317	.00066372	.00054627	.00026920	.00013040	.00013447
76 NONFER SMELTG	.00052502	.00024903	.00046522	.00109477	.00093657	.00041617	.00020262	.00016578
77 AL SMLT ROL DR	.00085755	.00059438	.00088704	.00167780	.00154662	.00067572	.00038814	.00039848
78 CAST,FRGINGS	.00008964	.00009471	.00002741	.00017515	.00014293	.00007236	.00003346	.00003261
79 FABRI STEEL	.00023921	.00018671	.00025316	.00044381	.00042575	.00018439	.00009223	.00008427
80 PLATE WORK	.00010010	.00010891	.00005416	.00019069	.00017580	.00008686	.00005007	.00004922
81 SH MET,ARCH	.00073545	.00083091	.00114078	.00121598	.00147055	.00063014	.00046961	.00043976
82 METAL DOORS	.00002660	.00003546	.00003479	.00003546	.00004105	.00002398	.00002430	.00002038
83 FAB MET PROD	.00080778	.00059926	.00051654	.00340618	.00104771	.00055539	.00045918	.00134524
84 PLUMBING	.00023271	.00015807	.00013360	.00017338	.00019249	.00012589	.00010496	.00012562
85 BOLTS,NUTS,SC	.00047054	.00042461	.00030368	.00066511	.00056222	.00030238	.00015889	.00015914
86 ELCTPLT,CT,EN	.00011625	.00008165	.00006100	.00021795	.00020200	.00009964	.00005968	.00005958
87 VALVE,PIPE FT	.00105896	.00067290	.00062233	.00123972	.00099065	.00070577	.00040052	.00037709
88 OTH FAB MET P	.00022424	.00025285	.00010752	.00027134	.00025755	.00025995	.00027057	.00020388
89 FM,CONS,IND M	.00130931	.00474983	.00024447	.00053288	.00061262	.00071047	.00010154	.00010274
90 MTL HDL MC,EQ	.00006112	.00004194	.00003035	.00009754	.00008392	.00043944	.00002596	.00002280
91 MIN MACH,EQU	.00038507	.00026225	.00013213	.00111312	.00049578	.00023417	.00012514	.00012514
92 ENGINES	.00029898	.00024056	.00005786	.00032890	.00037863	.00020566	.00019961	.00024233
93 METAL WK MACH	.00011002	.00010072	.00004632	.00017660	.00016392	.00006872	.00004352	.00003891
94 IND PROC MACH	.00051646	.00034118	.00055179	.00039279	.00092933	.00016264	.00019323	.00018325
95 GEN IND MACH	.00110771	.00159464	.00058770	.00144630	.00122540	.00116509	.00090186	.00057766
96 REFRIG MACH	.00008631	.00009798	.00008459	.00011858	.00013104	.00015612	.00006025	.00043959
97 COMPU,ACCT MACH	.00062285	.00054359	.00063044	.00118422	.00108579	.00053232	.00099299	.00091983
98 ELEC INST,AP	.00086690	.00121866	.00130517	.00108436	.00154384	.00066670	.00087691	.00081925
99 ELEC HSLD EQ	.00034645	.00022811	.00004303	.00007446	.00007662	.00005968	.00016512	.00015873
100 ELEC COMM EQ	.00052770	.00364035	.00029565	.00069428	.00056553	.00035508	.00024749	.00020288

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 129 *	* SECTOR 130 *	* SECTOR 131 *	* SECTOR 132 *	* SECTOR 133 *	* SECTOR 134 *	* SECTOR 135 *	* SECTOR 136 *
101 OTH ELEC APP	.00038558	.00051501	.00021854	.00044548	.00038456	.00023218	.00030100	.00018384
102 AIRCRAFT	.00001538	.00000382	.00000213	.00003154	.00002519	.00000750	.00000353	.00000519
103 AIRCRAFT ENG	.00000014	.00000010	.00000226	.00000027	.00000023	.00000009	.00000037	.00000026
104 OTH AIRCRAFT	.00002785	.00001574	.00000859	.00005252	.00002658	.00001763	.00001316	.00002122
105 MOTOR VHCL,P	.00594599	.00172985	.00089184	.00121417	.00112409	.00110168	.00254721	.000173128
106 SHIP,BT BLDG	.00061748	.00264147	.00003790	.00015650	.00010473	.00008453	.00003391	.00003150
107 OTH TRANS EQ	.00005903	.00008197	.00001770	.00007928	.00006720	.00003519	.00002395	.00002171
108 SCIENTIF INS	.00004594	.00003242	.00001521	.00005294	.00003679	.00003392	.00002290	.00001856
109 MECH MSRG DV	.00008726	.00023669	.00005297	.00013975	.00013151	.00007245	.00003199	.00002662
110 MEDICAL INST	.00022405	.00016870	.00008886	.00021703	.00014671	.00017652	.00013654	.00010453
111 PHO,TH,OPT I	.00013984	.00014727	.00009122	.00017549	.00011556	.00020461	.00020659	.00014617
112 GAMES,TOYS	.00008511	.00000880	.00000528	.00001094	.00000839	.00000879	.00001368	.00000909
113 OTH MFG IND	.00097563	.00040468	.00025070	.00174540	.00053567	.00100200	.00180302	.00292935
114 RAIL TRANS	.00483811	.01715489	.00196479	.00488853	.00265843	.00313768	.00146506	.00215456
115 INTERCTY HGY	.00009150	.00014085	.00001867	.00008586	.00005144	.00020866	.00003392	.00002333
116 MOTOR FRT STR	.01271770	.05669496	.03239121	.01011039	.00471391	.00907690	.00452713	.00566040
117 WATER TRANS	.00361329	.09238449	.00117036	.00343042	.00180933	.00245222	.00056725	.00049475
118 AIR TRANS	.00298302	.00206318	.00112230	.00578453	.00210011	.00205657	.00167633	.00294209
119 PIPELINE TRN	.00361638	.00261674	.00118203	.00362831	.00514243	.00230039	.00061267	.00062571
120 LOC,SUB TRAN	.00000816	.00000621	.00000310	.00002482	.00000753	.00001626	.00000608	.00000423
121 OTH TRAN SER	.01116541	.00629786	.00109646	.00110523	.00047567	.00073881	.00022304	.00027614
122 TELEP,TELEGR	.01881833	.01165119	.00805753	.02140767	.01337510	.01480299	.01239316	.01006310
123 RADIO , TV	.00212184	.00109112	.00122801	.00135926	.00103764	.00119453	.00306285	.00477346
124 OTH COMMUNIC	.00029268	.00009029	.00004566	.00015438	.00009297	.00013355	.00005634	.00006059
125 GAS SERVICES	.02548503	.01436219	.01436219	.02273341	.01221041	.01951504	.01085619	.00804105
126 ELEC SERVICES	.02346773	.02461698	.01493974	.01696467	.01143113	.02241922	.01807220	.01468253
127 WATER,SANI SERV	.00634350	.00434257	.00252178	.00442274	.00237859	.00652743	.00448168	.00268372
128 WHL AUT PT,S	.00245728	.00568608	.00084608	.00183926	.00731111	.00099376	.00132105	.00189878
129 WHL GRO,RELP	1.00069541	.00046645	.00065652	.00063712	.00073919	.00111202	.00372223	.00170655
130 WHL FM PROD	.00235526	1.00912717	.00102687	.00218264	.00093512	.00152090	.00037442	.00027072
131 WHL LIVESTOC	.00001117	.00000679	1.00097658	.00001911	.00000892	.00001086	.00010428	.00007095
132 WHL MAC,EQ,S	.00684682	.01554158	.00237632	1.00704920	.00316812	.00485513	.00206836	.00158975
133 WHL PET,PETP	.00406908	.00495853	.00294284	.00351163	1.00423397	.00663374	.01251336	.03597767
134 GEN WHL	.01202846	.02882816	.00786437	.01274285	.00661393	1.00910368	.00732212	.00489431
135 LUMBER YARDS	.00023641	.00035840	.00018882	.00021997	.00090923	.00113403	1.00072317	.02531571
136 FARM EQ DEAL	.00007544	.00009692	.00007911	.00008768	.00015009	.00017145	.00011189	1.00249330
137 HDW,HT,E,P,W	.00008906	.00019972	.00006052	.00009662	.00008811	.00011257	.00335257	.00018581
138 DEPT,VAR STO	.00014206	.00029653	.00027634	.00029036	.00018790	.00025756	.00037045	.00077093
139 FOOD STORES	.00009920	.00007855	.00017048	.00017614	.00011231	.00018409	.00060916	.00095844
140 AUTO DEAL,RP	.00619731	.00374831	.00273441	.00462277	.04723788	.00487040	.01634499	.00661501
141 GAS SER STAT	.00139738	.00113331	.00109353	.00194180	.00087349	.00252612	.00202121	.00532852
142 ARPRL ACC ST	.00003482	.00001133	.00005778	.00001690	.00000711	.00002531	.00000601	.00000482
143 FURN,HM F,EQ	.00006832	.00005568	.00003949	.00006657	.00005712	.00004606	.00004043	.00003211
144 EAT,DRINK PL	.00255893	.00176988	.00423648	.00796170	.00212542	.00394214	.00680103	.00164988
145 OTHER RETAIL	.00080756	.00064996	.00064996	.00079314	.00074339	.00094778	.00206768	.00075335
146 BANK,CRD AGE	.04952853	.08966566	.02709288	.05241480	.01856005	.04577388	.07738825	.04863479
147 INSURANCE CA	.02323502	.02276658	.03112090	.01486781	.01630598	.02387369	.03030827	.02076656
148 F.I.R.E. NEC	.03916073	.04449169	.04216307	.04527503	.03323476	.03827900	.04743133	.04128504
149 LEGAL SERVIC	.00603644	.00996087	.00387332	.00692568	.00551064	.00764103	.00611200	.00379109
150 LODGING SERV	.00220125	.00210061	.00181475	.00831017	.00258617	.00394573	.00254416	.00152286

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 129 *	* SECTOR 130 *	* SECTOR 131 *	* SECTOR 132 *	* SECTOR 133 *	* SECTOR 134 *	* SECTOR 135 *	* SECTOR 136 *
151 PERSONAL SER	.00051730	.00026241	.00011865	.00048304	.00038908	.00038174	.00050865	.00031737
152 ADVERTISING	.00252399	.00077319	.00117601	.00109696	.00128460	.00128346	.00116976	.00096564
153 DUPL, ADDRESS	.00025844	.00022319	.00014637	.00022807	.00018892	.00022234	.00073127	.00045949
154 PRI EMPL AGE	.00028017	.00027222	.00009616	.00027676	.00013890	.00024886	.00018154	.00013135
155 PHOTO SERVIC	.00076695	.00069410	.00031181	.00069139	.00039012	.00068819	.00134621	.00073191
156 RESRCH,DEVEL	.00085350	.00030345	.00015549	.00041050	.00018551	.00028053	.00004416	.00003559
157 OTHER BUS SE	.00679794	.00816198	.00519122	.00747903	.00541007	.00677386	.00566911	.00629057
158 MTN PCT,AM,R	.00017589	.00013644	.00016853	.00033771	.00016496	.00020544	.00358850	.00173874
159 AUTO RENT SE	.00416130	.00333679	.00088814	.00989062	.00259208	.00393577	.00075920	.00075208
160 AUTO PARKING	.00001975	.00002955	.00001564	.00002411	.00002130	.00002291	.00005062	.00005511
161 ELEC REP SHP	.00156406	.00189408	.00015951	.00053630	.00071381	.00060676	.00278497	.00117444
162 MISC REP SER	.00522937	.00398169	.00251332	.00355245	.00892019	.00342736	.00227829	.00431084
163 PHYS, DENT SE	.00013948	.00011361	.00011386	.00010852	.00008517	.00013933	.00018605	.00012088
164 HOSP, LAB SER	.00015840	.00014978	.00014814	.00014221	.00012131	.00016980	.00032003	.00020924
165 OTH MED SERV	.00000704	.00000318	.00000230	.00000621	.00000336	.00000494	.00000618	.00000459
166 ED(PUB,PRI)	.01300626	.01369179	.00688629	.01215663	.00816000	.01160581	.01053039	.00651066
167 COLL, UNIV	.00646402	.00462646	.00224431	.00534696	.00300201	.00416312	.00320723	.00266904
168 OTH ED SERV	.00002528	.00018813	.00000578	.00002904	.00001338	.00001887	.00000982	.00000779
169 ENG, ARCH SER	.00266145	.00199355	.00100117	.00234286	.00124126	.00175575	.00084347	.00068229
170 COMPU, ACCT SERV	.00566047	.00771224	.00560200	.00946389	.00536837	.01403430	.01180559	.00835382
171 OTH PROF SER	.00006120	.00005958	.00002339	.00005466	.00004182	.00004305	.00004544	.00003239
172 OTHER SERVIC	.00329640	.00444113	.00208088	.00247112	.00274617	.00360541	.00253938	.00225536
173 ORD, ORD ACCS	.00000082	.00000109	.00000065	.00000157	.00000129	.00000064	.00000031	.00000032
174 OUTDOOR REC	.00051522	.00050298	.00034092	.00049486	.00029911	.00060154	.00040188	.00023009
175 SCRAP	.00075433	.00049281	.00024844	.00071723	.00032606	.00046441	.00006318	.00004905
TOTAL DIRECT/IND REQ	1.45844128	1.66409206	1.36433370	1.49613484	1.42192203	1.39384983	1.46909413	1.41001772

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 137 *	* SECTOR 138 *	* SECTOR 139 *	* SECTOR 140 *	* SECTOR 141 *	* SECTOR 142 *	* SECTOR 143 *	* SECTOR 144 *
1 IRR COTTON	.00003224	.00006472	.00006614	.00002305	.00002714	.00004483	.00005774	.00018867
2 IRR FOOD GRAIN	.00004993	.00006718	.00009943	.00002968	.00003742	.00004157	.00008020	.00110897
3 IRR FEED GRAIN	.00005845	.00006326	.00010943	.00003180	.00003416	.00004826	.00009693	.00579802
4 OTHER IRR CROP	.00030768	.00028777	.00050135	.00014746	.00013647	.00018823	.00043803	.03004321
5 DRYLAND COTTON	.00001713	.00002987	.00003468	.00001148	.00001415	.00001977	.00002939	.00011824
6 DRY FOOD GRAIN	.00002467	.00003142	.00004640	.00001570	.00001796	.00002127	.00004017	.00064289
7 DRY FEED GRAIN	.00005779	.00007012	.00010641	.00003238	.00003992	.00004721	.00009081	.00230846
8 OTHER DRY CROP	.00005068	.00005180	.00008419	.00002491	.00002900	.00003659	.00007237	.00247590
9 RANGE LIVESTOCK	.00033504	.00032901	.00060964	.00016632	.00016391	.00024369	.00051777	.02921412
10 FEEDLOT LIVSTK	.00040651	.00043137	.00077636	.00022296	.00022874	.00034136	.00069381	.04858332
11 DAIRY	.00015377	.00014203	.00019922	.00006994	.00009337	.00011210	.00020370	.00407913
12 POULTRY,EGGS	.00006230	.00006306	.00008967	.00002916	.00003944	.00004382	.00007516	.00120763
13 AG SUP EX FMC	.00006203	.00006451	.00010401	.00003164	.00003551	.00004811	.00009247	.000410930
14 COTTON GINNING	.00000607	.00001133	.00001230	.00000419	.00000499	.00000780	.00001067	.00006619
15 AGR SERVICES	.00007133	.00007502	.00011591	.00003742	.00004583	.00005616	.00010457	.00413187
16 PRIM FORESTRY	.00038768	.00049569	.00049569	.00019276	.00028402	.00043541	.00047624	.00046126
17 FISHERIES	.00005599	.00005231	.00008760	.00002526	.00002903	.00003569	.00007145	.00250648
18 CRUDE PETRO	.01174112	.00884691	.01168739	.00515869	.04217523	.00692444	.01039959	.01274496
19 NATRL GAS LQDS.	.00052138	.00039460	.00053164	.00026784	.00311757	.00026721	.00049788	.00051576
20 OIL,GAS FLDSV	.00250956	.00182128	.00239979	.00110071	.01010043	.00142876	.00220716	.00261809
21 LIGNITE,OTH MINE	.00088149	.00088643	.00112598	.00037875	.00084343	.00077771	.00093822	.00126674
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00000275	.00000299	.00000329	.00000184	.00000362	.00000340	.00000405	.00000388
24 INDUS CONS	.00000002	.00000002	.00000002	.00000001	.00000002	.00000002	.00000003	.00000003
25 FACILITY CONS	.00001089	.00001181	.00001302	.00000728	.00001430	.00001346	.00001602	.00001538
26 MAINTEN,REPR	.00727542	.00789104	.00869661	.00486564	.00955417	.00899342	.01070112	.01023763
27 MEAT PRODUCTS	.00137872	.00114074	.00222536	.00058259	.00050307	.00074749	.00173474	.11119494
28 POULTRY PROD	.00006071	.00003862	.00004831	.00002009	.00003025	.00003462	.00005460	.00092559
29 DAIRIES	.00027260	.00018627	.00023465	.00010060	.00014217	.00017384	.00030058	.00745130
30 OTH GRAIN MIL	.00007304	.00008593	.00013499	.00003933	.00004762	.00005482	.00011199	.00269827
31 ANIMAL FEEDS	.00006661	.00006769	.00010866	.00003295	.00003937	.00005025	.00009611	.00352593
32 BAKERY PROD	.00017575	.00013181	.00022005	.00006867	.00007485	.00010007	.00020981	.00964046
33 CNND,PSVP,PCK	.00048752	.00035719	.00066384	.00018658	.00020511	.00027187	.00056008	.02568911
34 OTH FOOD PROD	.00021336	.00022149	.00028838	.00010482	.00012401	.00016489	.00030755	.00863264
35 BEVERAGES	.00019593	.00020277	.00024952	.00015218	.00021531	.00022578	.00053986	.00255736
36 TEXTILE MILL	.00007324	.00024890	.00015534	.00006872	.00006566	.00019525	.00016026	.00030108
37 MBWMC FURN	.00007685	.00272590	.00015786	.00005736	.00007002	.00412153	.00018838	.00032183
38 RELATED APPRL	.00001412	.00002112	.00002055	.00004728	.00001330	.00003678	.00003153	.00014060
39 LOGGING	.00024610	.00036439	.00036489	.00014834	.00017975	.00030242	.00032554	.00033848
40 LUMBER MILLS	.00014193	.00011976	.00014838	.00007339	.00010545	.00013870	.00017663	.00015222
41 MILLWORK,WOOD	.00163619	.00151135	.00160231	.00074450	.00120338	.00140441	.00174172	.00169136
42 WOOD FURN,FIX	.00017838	.00014990	.00016183	.00010889	.00011833	.00015817	.00461606	.00018894
43 MET FURN,FIXT	.00007929	.00007552	.00007355	.00003991	.00006767	.00007426	.00009219	.00009891
44 PAPER,PAP MIL	.00103861	.00139349	.00263538	.00063912	.00063819	.00294722	.00195937	.00190899
45 PAP EX BOX,CT	.00049047	.00045254	.00051341	.00023667	.00028575	.00125275	.00059180	.00386932
46 BOXES,PAP CNT	.00065878	.00192807	.00080290	.00027092	.00078244	.00038566	.00093839	.00460545
47 NEWSPAPERS	.00921664	.02145104	.03952189	.00857407	.00396334	.02033220	.03438987	.00974014
48 PUBLISHING	.00027251	.00018060	.00031404	.00038417	.00044524	.00033020	.00039534	.00044039
49 PRINTING	.00323820	.00185194	.00926161	.00157298	.00137087	.00265509	.00458580	.00241064
50 MANFLD BUS FM	.00036313	.00024337	.00036248	.00022573	.00058911	.00113524	.00040809	.00032689

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 137 *	* SECTOR 138 *	* SECTOR 139 *	* SECTOR 140 *	* SECTOR 141 *	* SECTOR 142 *	* SECTOR 143 *	* SECTOR 144 *
51 OTH PRNT,PUBS	.00152152	.00057877	.00136102	.00057435	.00049258	.00075576	.00087951	.00063318
52 CHLOR,ALKALIE	.00022659	.00022295	.00028697	.00013160	.00025800	.00018389	.00028179	.00044821
53 CYCCRD INT,I6	.00034805	.00032401	.00043306	.00031454	.00037351	.00021157	.00035108	.00042839
54 ORG CHEM	.00250996	.00179677	.00245934	.00139614	.01267486	.00128100	.00215817	.00234374
55 INORG CHEM	.00027078	.00030943	.00035310	.00015701	.00078860	.00022751	.00033177	.00134698
56 FIBERS,PLASTI	.00024880	.00027139	.00038808	.00035425	.00021331	.00022196	.00042753	.00059944
57 SYN RUBBER	.00026649	.00021180	.00023367	.00017893	.00008747	.00007651	.00011521	.00007980
58 DRUGS	.00001826	.00001716	.00010043	.00001071	.00001950	.00001635	.00003339	.00006817
59 AGRI CHEMICAL	.00018546	.00032778	.00029580	.00009909	.00013204	.00016697	.00024983	.000514955
60 SPS,CLNS,TOIL	.00011396	.00008223	.00011746	.00005969	.00086854	.00010305	.00015543	.00038448
61 PAINT+VARNISH	.00026157	.00027917	.00028665	.00014901	.00024061	.00023194	.00031491	.00030226
62 OTH CHEMICALS	.00043933	.00035398	.00053142	.00023789	.00138014	.00036807	.00053165	.00059514
63 PETRO REFING	.02200242	.00813083	.00990205	.00798068	.19745667	.00706773	.01365666	.01341818
64 OTH PETRO PRD	.00012438	.00012061	.00014805	.00006151	.00014683	.00011509	.00014218	.00016275
65 TIRES	.00166345	.00126223	.00136610	.00109297	.00109297	.00042295	.00061798	.00037519
66 FAB RUBBER PR	.00005563	.00008775	.00008042	.00006098	.00005671	.00004966	.00007909	.00011508
67 PLASTIC PRODS	.00036032	.00037558	.00044364	.00034752	.00027361	.00039840	.00064350	.00135696
68 LEATHER,L PRD	.00003476	.00004192	.00007295	.00004092	.00006655	.00006112	.00008930	.00014381
69 GLASS	.00010634	.00010598	.00015734	.00010623	.00008482	.00009700	.00016439	.00174269
70 CLAY	.00006911	.00007774	.00009049	.00004563	.00008773	.00008280	.00010120	.00010127
71 CUT ST,CL,SH	.00035302	.00030470	.00037634	.00026792	.00040404	.00031708	.00045542	.00054278
72 CEMENT,CONCRT	.00037803	.00038425	.00041987	.00023506	.00042593	.00042537	.00052002	.00046848
73 BLAST FURNACE	.00021170	.00023982	.00026719	.00019332	.00022023	.00019473	.00027530	.00039916
74 PRI STEEL,IRO	.00008904	.00008804	.00011733	.00009611	.00009476	.00007759	.00010747	.00029761
75 FOUNDRIES	.00012733	.00011993	.00016970	.00009097	.00015407	.00010509	.00015465	.00037254
76 NONFER SMELTG	.00016586	.00017920	.00024581	.00020864	.00025723	.00012188	.00022127	.00040966
77 AL SMLT ROL DR	.00035041	.00038464	.00045834	.00029389	.00078395	.00029531	.00049761	.00089075
78 CAST,FORGNGS	.00003210	.00003514	.00004342	.00002311	.00002989	.00002747	.00004042	.00008115
79 FABRI STEEL	.00008380	.00009800	.00011999	.00009395	.00008359	.00008075	.00013257	.00013984
80 PLATE WORK	.00004450	.00004352	.00006164	.00004071	.00004167	.00004224	.00008030	.00009065
81 SH MET,ARCH	.00044997	.00044837	.00052984	.00032134	.00046725	.00048184	.00062883	.00082414
82 METAL DOORS	.00002999	.00002613	.00002710	.00001563	.00003015	.00002968	.00003958	.00004569
83 FAB MET PROD	.00032822	.00026889	.00036664	.00040101	.00081809	.00023426	.00041367	.00244019
84 PLUMBING	.00007208	.00007141	.00013348	.00004911	.00008144	.00008163	.00010137	.00043976
85 BOLTS,NUTS,SC	.00012642	.00015591	.00020361	.00019140	.00013360	.00010659	.00017318	.00028402
86 ELCTPLT,CT,EN	.00005009	.00004920	.00006374	.00004449	.00005887	.00004883	.00007576	.00017674
87 VALVE,PIPE FT	.00042531	.00035553	.00048855	.00034903	.00076965	.00029339	.00040656	.00089330
88 OTH FAB MET P	.00014398	.00010356	.00014356	.00016650	.00023674	.00017316	.00021911	.00125102
89 FM,CONS,IND M	.00010868	.00012537	.00013816	.00006217	.00011864	.00009180	.00013258	.00037133
90 MTL HDL MC,EQ	.00002718	.00002655	.00002971	.00001307	.00009647	.00002044	.00003345	.00004165
91 MIN MACH,EQUIP	.00016328	.00014008	.00018750	.00007796	.00042544	.00011131	.00016935	.00022981
92 ENGINES	.00007043	.00008322	.00010611	.00007821	.00022671	.00004745	.00008305	.00012768
93 METAL WK MACH	.00004306	.00004139	.00005447	.00006725	.00004061	.00003864	.00011284	.00009293
94 IND PROC MACH	.00014583	.00015865	.00023871	.00007898	.00024977	.00010713	.00015333	.00084762
95 GEN IND MACH	.00094400	.00061767	.00074284	.00053330	.00052460	.00099213	.00116193	.00159755
96 REFRIG MACH	.00008255	.000240365	.00014407	.00005312	.00006429	.00007290	.00014889	.00024466
97 COMPU,INCT MACH	.00076997	.00036412	.00112267	.00032572	.00043112	.00051783	.00052086	.00712394
98 ELEC INST,AP	.00072414	.00186895	.00092927	.00043501	.00076673	.00067957	.00071680	.00108018
99 ELEC HSLD EQ	.00013912	.00006318	.00016945	.00005639	.00007750	.00008114	.02317773	.00105244
100 ELEC COMM EQ	.00032490	.00027162	.00036626	.00016523	.00035880	.00024898	.00095520	.00028237

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 137 *	SECTOR 138	* SECTOR 139 *	SECTOR 140	* SECTOR 141 *	SECTOR 142	* SECTOR 143 *	SECTOR 144 *
101 OTH ELEC APP	.00020546	.00012625	.00024328	.00063762	.00013896	.00012821	.00026823	.00019092
102 AIRCRAFT	.00000639	.00000462	.00000501	.00000380	.00000375	.00000757	.00000690	.00000531
103 AIRCRAFT ENG	.00000008	.00000008	.00000012	.00000004	.00000006	.00000006	.00000011	.00000400
104 OTH AIRCRAFT	.00002704	.00001278	.00001068	.00001603	.00001495	.00003576	.00002680	.00001889
105 MOTOR VHCL,P	.00151120	.00059135	.00129698	.00939328	.00050098	.00050717	.00133391	.00140490
106 SHIP,BT BLDG	.00003118	.00002907	.00003457	.00001587	.00009598	.00001478	.00002500	.00014948
107 OTH TRANS EQ	.00002101	.00001860	.00002344	.00001923	.00001625	.00002045	.00003386	.00003194
108 SCIENTIF INS	.00003098	.00001960	.00002210	.00001467	.00002782	.00002240	.00003647	.00002719
109 MECH HSRG DV	.00003954	.00003015	.00003503	.00002181	.00004271	.00003396	.00004248	.00005001
110 MEDICAL INST	.00017762	.00011573	.00012305	.00008438	.00016860	.00013826	.00023086	.00016844
111 PHO,TH,OPT I	.00024386	.00017642	.00018534	.00015940	.00016086	.00040900	.00051046	.00020580
112 GAMES,TOYS	.00001611	.00001009	.00000978	.00000686	.00000926	.00000961	.00001831	.00006598
113 OTH MFG IND	.00093603	.00051513	.00158645	.00275432	.00059489	.00063783	.00100174	.00367142
114 RAIL TRANS	.00119050	.00088739	.00114129	.00070798	.00128618	.00095617	.00118483	.00181261
115 INTERCTY HGY	.00002465	.00002302	.00002451	.00008423	.00001896	.00002679	.00004237	.00006157
116 MOTOR FRT STR	.01500801	.00525297	.00380467	.01500801	.00370207	.00888649	.00753532	.00759015
117 WATER TRANS	.00055995	.00042243	.00051006	.00029588	.00291168	.00029020	.00047795	.00092256
118 AIR TRANS	.00372240	.00156582	.00112929	.00223805	.00190322	.00516120	.00357825	.00241727
119 PIPELINE TRN	.00073501	.00061205	.00071059	.00037327	.00369222	.00031218	.00054180	.00053226
120 LOC,SUB TRAN	.00000642	.00000935	.00000942	.00007472	.00000776	.00001448	.00002321	.00000955
121 OTH TRAN SER	.00033071	.00035080	.00039286	.00020958	.00031582	.00019735	.00028537	.00072422
122 TELEP,TELEGR	.02635923	.01020440	.00950835	.00760586	.00712985	.01039462	.01775740	.00774271
123 RADIO, TV	.01174733	.00428781	.00845606	.00424952	.00241131	.00802039	.02155632	.00436425
124 OTH COMMUNIC	.00011257	.00006244	.00009171	.00004992	.00006083	.00008797	.00019407	.00007675
125 GAS SERVICES	.01310084	.01093594	.01462260	.00584466	.01322973	.00923234	.01211864	.01702706
126 ELEC SERVICES	.02491556	.02424566	.03024921	.00925053	.02226623	.02111209	.02366143	.02774112
127 WATER,SANI SERV	.00452853	.00340276	.00466895	.00241825	.00559873	.00331146	.00575680	.00857594
128 WHL AUT PT,S	.00286487	.00197048	.00192888	.00780852	.00994021	.00096585	.00220659	.00069978
129 WHL GRO,RELP	.01650131	.02042253	.02237941	.00759950	.01617610	.00511837	.00938278	.03367807
130 WHL FM PROD	.00016476	.00019790	.00024902	.00012674	.00039609	.00010930	.00019124	.00320507
131 WHL LIVESTOC	.00001331	.00001322	.00002396	.00000700	.00000763	.00001003	.00002049	.00120375
132 WHL MAC,EQ,S	.00208498	.00191187	.00181610	.00124858	.00513313	.00180910	.00333619	.00423817
133 WHL PET,PETP	.04859370	.06479933	.07027784	.02356034	.02170439	.01489412	.02386188	.00466404
134 GEN WHL	.00607972	.00928327	.00795387	.00402325	.01140200	.01010439	.01766745	.01362694
135 LUMBER YARDS	.03416559	.04782072	.05201360	.01672887	.00666751	.01022601	.01596634	.00212259
136 FARM EQ DEAL	.00336852	.00467355	.00508768	.00165142	.00087077	.00104490	.00160449	.00043413
137 HDW,HT,E,P,W	1.00020722	.00021601	.00023748	.00010225	.00006383	.00008410	.00021948	.00013179
138 DEPT,VAR STO	.00096552	1.00187538	.00206410	.00053270	.00045090	.00083925	.00284557	.00047057
139 FOOD STORES	.00133440	.00179989	1.00192986	.00061598	.00032404	.00057409	.00104630	.00374350
140 AUTO DEAL,RP	.00971763	.00628289	.00657558	1.02669981	.00455772	.00341920	.00813764	.00254242
141 GAS SER STAT	.00748436	.00876179	.00957948	.00347773	1.01019477	.00223170	.00393098	.00105388
142 APPRL ACC ST	.00000501	.00002445	.00002841	.00000294	.00000483	1.000021275	.00002436	.00003818
143 FURN,HH F,EQ	.00003236	.00006251	.00006395	.00002877	.00002480	.00007271	1.00305548	.00007070
144 EAT,DRINK PL	.00135723	.00129692	.00116756	.00099820	.00092783	.00165595	.00190244	1.00239025
145 OTHER RETAIL	.00124966	.00120437	.00128461	.00066624	.00075586	.00078170	.00247859	.00366534
146 BANK,CRD AGE	.05546722	.02582059	.03130039	.03295966	.02100861	.03302104	.06565577	.03806496
147 INSURANCE CA	.02984302	.01060853	.01291782	.00870465	.00991592	.01061831	.02107608	.01496671
148 F.I.R.E. SER	.07588146	.07424404	.06699947	.03892571	.04583529	.08953004	.09986122	.05810746
149 LEGAL NEC	.00659770	.00390465	.00462121	.00369497	.00281432	.000707490	.008073202	.00489309
150 LODGING SERV	.00172577	.00144226	.00090516	.00088675	.00130654	.00212286	.00183889	.00113930

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 137 *	* SECTOR 138 *	* SECTOR 139 *	* SECTOR 140 *	* SECTOR 141 *	* SECTOR 142 *	* SECTOR 143 *	* SECTOR 144 *
151 PERSONAL SER	.00053142	.00033248	.00082469	.00040336	.00276813	.00055286	.00104171	.00245702
152 ADVERTISING	.00196807	.00160088	.00209532	.00156043	.00090324	.00235521	.00409365	.00132036
153 DUPL, ADDRESS	.00083556	.00047386	.00086227	.00099033	.00067030	.00367013	.00336161	.00065592
154 PRI EMPL AGE	.00018035	.00012843	.00013263	.00011760	.00013308	.00016344	.00029113	.00017119
155 PHOTO SERVIC	.00118500	.00098632	.00096988	.00082886	.00068246	.00581891	.00442630	.00076639
156 RESRCH,DEVEL	.00004094	.00004943	.00005734	.00002941	.00007432	.00002851	.00004334	.00007483
157 OTHER BUS SE	.00610987	.00589448	.01014321	.00350547	.00484455	.00630145	.00756572	.00640925
158 MTN PCT,AM,R	.00353752	.00156967	.00128320	.00113629	.00096205	.00111270	.00344871	.03103970
159 AUTO RENT SE	.01211424	.00070605	.00071863	.00055920	.00083946	.00093553	.00709223	.00086655
160 AUTO PARKING	.00002497	.00009784	.00002238	.00002629	.00003822	.00010259	.00004841	.00002101
161 ELEC REP SHP	.00236057	.00290087	.00505944	.00104222	.00333316	.00223515	.02689110	.00155913
162 MISC REP SER	.00273762	.00284729	.00278277	.00192636	.00354230	.00224879	.00631815	.00566451
163 PHYS,DENT SE	.00019023	.00033818	.00008745	.00006659	.00008209	.00007758	.00018187	.00012007
164 HOSP,LAB SER	.00033440	.00076079	.00016988	.00013538	.00015189	.00017721	.00040837	.00018387
165 OTH MED SERV	.00000408	.00000353	.00000398	.00000257	.00000297	.00000412	.00000763	.00002895
166 ED(PUB,PRI)	.01612326	.00900728	.00900507	.00482315	.00810927	.00891599	.01354249	.00790585
167 COLL,UNIV	.00456172	.00252189	.00282348	.00202450	.00435461	.00296421	.00450495	.00374627
168 OTH ED SERV	.00001593	.00000856	.00001049	.00000670	.00000682	.00001063	.00001884	.00000979
169 ENG,ARCH SER	.00101754	.00081845	.00099510	.00048161	.00168123	.00078701	.00114977	.00110850
170 COMPU,ACCT SERV	.01377092	.01076021	.00816854	.01047313	.00972377	.01500907	.02788432	.01380219
171 OTH PROF SER	.00003835	.00002649	.00003291	.00002274	.00002171	.00003121	.00005085	.00006406
172 OTHER SERVIC	.00254945	.00166138	.00178500	.00163659	.00138943	.00414204	.00464167	.00175435
173 ORD,ORD ACCS	.00000030	.00000028	.00000040	.00000021	.00000036	.00000025	.00000037	.00000088
174 OUTDOOR REC	.00038640	.00022599	.00021005	.00017097	.00039286	.00027049	.00043738	.00035183
175 SCRAP	.00005363	.00017619	.00008330	.00004969	.00007165	.00004088	.00006633	.00009245
TOTAL DIRECT/IND REQ	1.56552861	1.47746305	1.54446799	1.31142622	1.58454151	1.40020476	1.64581459	1.77714974

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 145 *	* SECTOR 146 *	* SECTOR 147 *	* SECTOR 148 *	* SECTOR 149 *	* SECTOR 150 *	* SECTOR 151 *	* SECTOR 152 *
1 IRR COTTON	.00002838	.00001427	.00001196	.00001916	.00002659	.00024483	.00017462	.00003073
2 IRR FOOD GRAIN	.00004249	.00001669	.00001865	.00002334	.00003587	.00012209	.00008208	.00004209
3 IRR FEED GRAIN	.00007841	.00001957	.00004872	.00003419	.00003433	.00016939	.00011379	.00007704
4 OTHER IRR CROP	.03206248	.00006380	.00022339	.00012178	.00015442	.00048198	.00047342	.00050510
5 DRYLAND COTTON	.00001409	.00000707	.00000609	.00000931	.00001285	.00012703	.00006023	.00001499
6 DRY FOOD GRAIN	.00002808	.00001161	.00001430	.00001676	.00002163	.00005192	.00005487	.00003142
7 DRY FEED GRAIN	.00007907	.00002215	.00003171	.00003344	.00003782	.00012142	.00011794	.00005920
8 OTHER DRY CROP	.00005758	.00002036	.00003420	.00003263	.00002606	.00019241	.00012775	.00005723
9 RANGE LIVESTOCK	.00045716	.00025745	.00025274	.00017421	.00015839	.00118781	.00064905	.00039162
10 FEEDLOT LIVSTK	.00057902	.00012830	.00037450	.00023462	.00024071	.00127207	.00075907	.00057545
11 DAIRY	.00016694	.00009211	.00012466	.00014734	.00008121	.00037043	.00060537	.00020530
12 POULTRY, EGGS	.00013673	.00003333	.00004240	.00005460	.00003488	.00015766	.00009578	.00005574
13 AG SUP EX FMC	.00114399	.00002430	.00004660	.00004170	.00008922	.00017144	.00014319	.00008017
14 COTTON GINNING	.00000553	.00000262	.00000238	.00000360	.00000479	.00004423	.00002795	.00000587
15 AGRV SERVICES	.00209499	.00003434	.00005037	.00008889	.00004071	.00019457	.00014795	.00009033
16 PRIM FORESTRY	.00031906	.00021986	.00026651	.00142746	.00025966	.00068047	.00057741	.00045588
17 FISHERIES	.00006178	.00002194	.00003715	.00003555	.00002540	.00013171	.00015523	.00006243
18 CRUDE PETRO	.00799183	.00330189	.00451628	.00972886	.00525735	.01650224	.01345513	.01164930
19 NATRL GAS LQDS.	.00088020	.00009547	.00011088	.00015426	.00028395	.00022477	.00056434	.00035744
20 OIL, GAS FLDSV	.00169033	.00140733	.00094809	.00201839	.00111632	.00322193	.00275279	.00239456
21 LIGNITE, OTH MINE	.00072993	.00034314	.00047976	.00162017	.00061865	.00194390	.00125102	.00110155
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM, ED, INST	.00000233	.00000422	.00000214	.00001825	.00000189	.00001025	.00000452	.00000310
24 INDUS CONS	.00000002	.00000003	.00000001	.00000012	.00000001	.00000007	.00000003	.00000002
25 FACILITY CONS	.00000923	.00001668	.00000846	.00007213	.00000746	.00004063	.00001788	.00001225
26 MAINTEN, REPR	.00616322	.01114449	.00564764	.04821517	.00498058	.02708715	.01194257	.00818173
27 MEAT PRODUCTS	.00188220	.00033639	.00099018	.00062519	.00048317	.00556067	.00262961	.00147033
28 POULTRY PROD	.00006944	.00004426	.00005980	.00007465	.00002332	.00024683	.00008243	.00005776
29 DAIRIES	.00032623	.00020432	.00028826	.00033656	.00012007	.00079546	.00145614	.00044184
30 OTH GRAIN MIL	.00007750	.00002795	.00004115	.00004402	.00005207	.00027327	.00020464	.00007900
31 ANIMAL FEEDS	.00010354	.00002924	.00004965	.00004895	.00003579	.00018735	.00014487	.00007467
32 BAKERY PROD	.00022155	.00007806	.00014718	.00013072	.00006726	.00053634	.00090031	.00026369
33 CNND, PSVP, PCK	.00060645	.00021806	.00040023	.00037041	.00018013	.00137587	.00174209	.00062587
34 OTH FOOD PROD	.00028969	.00015768	.00023879	.00022355	.00013688	.000900330	.00057794	.00031962
35 BEVERAGES	.00033390	.00045324	.00027394	.00030689	.00030575	.00437711	.00050675	.00025250
36 TEXTILE MILL	.00009287	.00004812	.00004116	.00006917	.00007216	.00102892	.00116578	.00010791
37 MBWMC FURN	.00040507	.00020461	.00003891	.00006984	.00004863	.00059582	.01193908	.00017210
38 RELATED APPRL	.00001075	.00000834	.00000832	.00001096	.00001080	.00003846	.00009966	.00002148
39 LOGGING	.00021187	.00013018	.00015972	.00073748	.00016716	.00038611	.00064072	.00029195
40 LUMBER MILLS	.00014204	.00011881	.00012473	.00038332	.00010087	.00024714	.00024241	.00015369
41 MILLWORK, WOOD	.00114519	.00096725	.00114150	.00759397	.00108220	.00332984	.00224781	.00180896
42 WOOD FURN, FIX	.00023144	.00152230	.00054378	.00062941	.00014661	.00096062	.00067782	.00037074
43 MET FURN, FIXT	.00012022	.00013159	.00017146	.00011308	.00006507	.00024707	.00046246	.00023283
44 PAPER, PAP MIL	.00164662	.00051821	.00091253	.00072939	.00065930	.00097665	.00214076	.00201187
45 PAP EX BOX, CT	.00036193	.00020303	.00027632	.00029488	.00033521	.00152519	.01092478	.00150396
46 BOXES, PAP CNT	.00068639	.00015252	.00017382	.00025541	.00161677	.00079783	.00103172	.00037988
47 NEWSPAPERS	.01047655	.00335004	.00095519	.00364245	.00095250	.00276757	.00678243	.00679177
48 PUBLISHING	.00034914	.00031892	.00048143	.00023015	.00068698	.00097140	.00107227	.00072067
49 PRINTING	.00303882	.00215899	.00742993	.00219031	.00160072	.00034539	.00515192	.01269744
50 MANFLC BUS FM	.00037302	.00117066	.00097392	.00052878	.00019568	.00036616	.00071374	.00057486

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 145 *	* SECTOR 146 *	* SECTOR 147 *	* SECTOR 148 *	* SECTOR 149 *	* SECTOR 150 *	* SECTOR 151 *	* SECTOR 152 *
51 OTH PRNT,PUBS	.00095454	.00012419	.00019309	.00016640	.00010891	.00041393	.00042186	.00203920
52 CHLOR,ALKALIE	.00024534	.00013416	.00013507	.00029133	.00019755	.00064904	.00127901	.00049281
53 CYCCRD INT,IG	.00021484	.00011120	.00010053	.00032929	.00026415	.00031263	.00051355	.00027592
54 ORG CHEM	.00186199	.00051767	.00065224	.00112635	.00311864	.00150160	.000852460	.00191375
55 INORG CHEM	.00074916	.00012812	.00014091	.00023776	.00025588	.00102027	.00172941	.00042603
56 FIBERS,PLASTI	.00028267	.00018135	.00017894	.00029983	.00032764	.00042756	.00156629	.00050685
57 SYN RUBBER	.00006534	.00001592	.00001404	.00002640	.00004013	.00004238	.00007511	.00005362
58 DRUGS	.00001562	.00001502	.00004859	.00001720	.00001765	.00008736	.00003281	.00014703
59 AGRI CHEMICAL	.00302857	.00021861	.00018978	.00043586	.00011437	.00049999	.00130103	.00030365
60 SPS,CLNS,TOIL	.00010818	.00009371	.00005702	.00009152	.00013282	.00036021	.00062544	.00019030
61 PAINT+VARNISH	.00022147	.00022165	.00020812	.00125378	.00070221	.00047030	.00041052	.00026759
62 OTH CHEMICALS	.00031641	.00027186	.00037074	.00057677	.00034055	.00055046	.00104997	.00091888
63 PETRO REFING	.01142493	.00248913	.00478193	.00493691	.00743158	.00715646	.01692387	.01485217
64 OTH PETRO PRD	.00009133	.00008549	.00007155	.00036739	.00006187	.00032788	.00017757	.00015660
65 TIRES	.00036709	.00006964	.00006860	.00010182	.00018685	.00018008	.00031546	.00028349
66 FAB RUBBER PR	.00005214	.00003624	.00003437	.00012491	.00008778	.00012748	.00006233	.00007175
67 PLASTIC PRODS	.00093884	.00051011	.00061012	.00073873	.00081810	.00111796	.00217359	.00139658
68 LEATHER,L PRD	.00005712	.00008450	.00008803	.00006162	.00006664	.00008312	.00004624	.00012322
69 GLASS	.00012847	.00008907	.00007455	.00017216	.00016293	.00045123	.00052290	.00018374
70 CLAY	.00005998	.00009970	.00005354	.00042410	.00005259	.00026065	.00013649	.00007986
71 CUT ST,CL,SH	.00027358	.00027433	.00040893	.00156279	.00328017	.00091855	.00381641	.00060234
72 CEMENT,CONCRT	.00030730	.00043475	.00056588	.00279033	.00028094	.00106397	.00081883	.00045450
73 BLAST FURNACE	.00022276	.00017856	.00015481	.00057332	.00413134	.00045726	.00052318	.00030310
74 PRI STEEL,IRO	.00009585	.00007086	.00007976	.00024706	.00037451	.00022492	.00042675	.00021305
75 FOUNDRIES	.00011842	.00008049	.00008232	.00021404	.000265706	.00020843	.00031228	.00018433
76 NONFER SMELTG	.00021779	.00006415	.00005610	.00012891	.00035998	.00017150	.00035361	.00015249
77 AL SMLT ROL DR	.00030322	.00026556	.00018764	.00086532	.00049024	.00072408	.00088017	.00037929
78 CAST,FORGINGS	.00002724	.00003104	.00002819	.00006715	.000050513	.00006020	.00013244	.00003956
79 FABRI STEEL	.00012826	.00007496	.00005872	.00027229	.00047569	.00018923	.00032332	.00009974
80 PLATE WORK	.00004310	.00003785	.00003401	.00010984	.00132136	.00009469	.00029350	.00006365
81 SH MET,ARCH	.00047896	.00054862	.00051986	.00246111	.00372557	.00137567	.00309672	.00073409
82 METAL DOORS	.00002784	.00002636	.00006527	.00022996	.00001953	.00007811	.00007181	.00003781
83 FAB MET PROD	.00027494	.00026082	.00023032	.00041836	.00075964	.00123435	.00237484	.00060409
84 PLUMBING	.00011765	.00006691	.00006751	.00027778	.00009290	.00027382	.00019649	.00011731
85 BOLTS,NUTS,SC	.00012784	.00006968	.00007198	.00020104	.000094288	.00020185	.00067986	.00013847
86 ELCTPLT,CT,EN	.00004440	.00004615	.00004641	.00011019	.00022171	.00012845	.00018685	.00012401
87 VALVE,PIPE FT	.00031974	.00023137	.00023350	.00057239	.00106272	.00089383	.00076730	.00088233
88 OTH FAB MET P	.00014090	.00025797	.00032717	.00035743	.00038272	.00040836	.00039659	.00067118
89 FM,CONS,IND M	.00017304	.00008802	.00005915	.00034226	.00041556	.00023402	.00016648	.00010946
90 HTL HDL MC,EQ	.00002126	.00001154	.00001515	.00002849	.00017272	.00003316	.00005044	.00003278
91 MIN MACH,EQU	.00012199	.00007279	.00008203	.00015716	.00014162	.00024953	.00146534	.00017952
92 ENGINES	.00005312	.00002260	.00002029	.00005632	.00005529	.00006939	.00009869	.00006053
93 METAL WK MACH	.00004942	.00003170	.00003342	.00009073	.00113585	.00010506	.00009440	.00006179
94 IND PROC MACH	.00011213	.00004658	.00009848	.00008443	.00020186	.00012464	.00050559	.00019862
95 GEN IND MACH	.00083129	.00121023	.00146064	.00333921	.12967186	.00126071	.00193295	.00199392
96 REFRIG MACH	.00011631	.00005098	.00006915	.00023835	.00005159	.00044023	.00052088	.00011604
97 COMPU,ACCT MACH	.00037873	.00024416	.00022634	.00063112	.00298065	.00071613	.00210383	.00068992
98 ELEC INST,AP	.00051366	.00063109	.00036549	.00225033	.00061422	.00149793	.00121492	.00071634
99 ELEC HSLD EQ	.00008165	.00030834	.00014731	.00019793	.00008354	.00012963	.00023107	.00012522
100 ELEC COMM EQ	.00030782	.00017266	.00016092	.00023944	.00026424	.00134447	.00142623	.00076236

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 145 *	* SECTOR 146 *	* SECTOR 147 *	* SECTOR 148 *	* SECTOR 149 *	* SECTOR 150 *	* SECTOR 151 *	* SECTOR 152 *
101 OTH ELEC APP	.00013300	.00005597	.00007990	.00008925	.000092209	.00022506	.00038592	.00020942
102 AIRCRAFT	.00000454	.00000221	.00000325	.00000169	.00000641	.00000684	.00000689	.00001382
103 AIRCRAFT ENG	.00000198	.00000004	.00000005	.00000009	.00000014	.00000020	.00000016	.00000010
104 OTH AIRCRAFT	.00002293	.00001060	.00002042	.00000834	.00002984	.00003551	.00004022	.00007299
105 MOTOR VHCL,P	.00080214	.00024382	.00022133	.00033690	.00034154	.00056959	.00156920	.00069831
106 SHIP,BT BLDG	.00001944	.00000621	.00000930	.00001242	.00001839	.00002475	.00003077	.00002212
107 OTH TRANS EQ	.00251023	.00001991	.00002302	.00002632	.00002846	.00005137	.00025017	.00007345
108 SCIENTIF INS	.00004668	.00002009	.00005996	.00003187	.00002834	.00009276	.00019661	.00009857
109 MECH MSRG DV	.00002727	.00003136	.00003388	.00009106	.00218602	.00004719	.00006621	.00005208
110 MEDICAL INST	.00022575	.00014869	.00030641	.00021095	.00022711	.00088416	.00199673	.00090324
111 PHO, TM, OPT I	.00022173	.00034675	.00021645	.00023207	.00026749	.00068504	.00112388	.00193944
112 GAMES, TOYS	.00001240	.00001438	.00001438	.00001301	.00001213	.00004793	.00010986	.00013526
113 OTH MF6 IND	.00054788	.00032415	.00052987	.00085873	.00067467	.00186362	.003308578	.00114931
114 RAIL TRANS	.00076794	.00058768	.00054916	.00091539	.00177100	.00174636	.00183232	.00198857
115 INTERCTY HGY	.00001834	.00001131	.00001050	.00001331	.00003894	.00007953	.00007248	.00110267
116 MOTOR FRT STR	.00314776	.00171622	.00143826	.00267962	.00455737	.00501959	.00818065	.00855830
117 WATER TRANS	.00037801	.00013497	.00015554	.00028411	.00047133	.00041390	.00067133	.00046998
118 AIR TRANS	.00295952	.00145244	.00251537	.00097529	.00432036	.00505822	.00459087	.01072939
119 PIPELINE TRN	.00036152	.00011086	.00013779	.00018318	.00041764	.00028781	.00063827	.00045421
120 LOC, SUB TRAN	.00000871	.00000660	.00000643	.00000628	.00003522	.00011997	.00146407	.00024317
121 OTH TRAN SER	.00028027	.00073182	.00018046	.00021916	.00029966	.00034212	.00030735	.00038262
122 TELEP, TELEGR	.01153343	.01668369	.00918493	.01733799	.01774516	.04258209	.01847952	.01813483
123 RADIO, TV	.00433544	.00318575	.00111147	.00157474	.00077681	.00281633	.00391835	.01275101
124 OTH COMMUNIC	.00006054	.00005857	.00005109	.00007660	.00017495	.00381155	.00092309	.00077763
125 GAS SERVICES	.01015448	.00495225	.00685019	.01676680	.00575303	.02912424	.01802395	.01632948
126 ELEC SERVICES	.01648746	.00706377	.01234288	.03548465	.00862991	.02588429	.02908845	.03181162
127 WATER, SANI SERV	.00327502	.00212469	.00227066	.00788020	.00220984	.01246184	.00943191	.00861756
128 WHL AUT PT, S	.00154534	.00064466	.00031229	.00035327	.00079277	.00060215	.00086022	.00112323
129 WHL GRO, RELP	.00766667	.00026510	.00049163	.00039479	.00106827	.00779472	.00255188	.00448082
130 WHL FM PROD	.00021046	.00005525	.00006215	.00007580	.00018228	.00022299	.00036137	.00016593
131 WHL LIVESTOC	.00001861	.00000405	.00001046	.00000768	.00000898	.00004699	.00016559	.00001816
132 WHL MAC, EQ, S	.00155449	.00614085	.00284701	.00306429	.03212872	.00730320	.01505792	.01531976
133 WHL PET, PTP	.01289066	.00055158	.00114222	.00100091	.00174918	.00260840	.00535721	.00501592
134 GEN WHL	.00537581	.00729717	.00602194	.00678685	.01748474	.01511570	.02189238	.02315858
135 LUMBER YARDS	.00731912	.00008640	.00010130	.00022597	.00053748	.00031453	.00182087	.00029263
136 FARM EQ DEAL	.00082021	.00007105	.00008936	.00018956	.00669251	.00010121	.00031779	.00014144
137 HDW, HT, E, P, W	.00007647	.00004601	.00004598	.00013540	.00083042	.00011180	.00015329	.00006595
138 DEPT, VAR STO	.00029914	.00008513	.00010321	.00023266	.00388560	.00034294	.00156217	.00022554
139 FOOD STORES	.00404413	.00005799	.00008755	.00007951	.00040091	.00172677	.00081665	.00122027
140 AUTO DEAL, RP	.00458569	.00071032	.00051745	.00099074	.00178295	.00201357	.00335065	.00342660
141 GAS SER STAT	.00200958	.00012402	.00033113	.00025510	.00067231	.00054737	.00092572	.00181307
142 APPRL ACC ST	.00000476	.00000443	.00000472	.00000398	.00001579	.00010712	.00051035	.00001404
143 FURN, HM F, EQ	.00002901	.00002165	.00002418	.00009270	.00020786	.00008414	.00016553	.00007456
144 EAT, DRINK PL	.00344782	.00049424	.00568102	.00155819	.00237705	.00276616	.00263346	.00772013
145 OTHER RETAIL	1.00103593	.00018993	.00020495	.00030500	.00100573	.00201255	.00304266	.00584832
146 BANK, CRD AGE	.04397823	1.06290232	.06406895	.17900555	.02774441	.09366809	.02761635	.05646211
147 INSURANCE CA	.01850056	.01929823	1.10513228	.01501273	.02158497	.01157993	.02696297	.02139372
148 F.I.R.E. NEC	.06419160	.05198607	.09400650	1.06146134	.06090322	.10261971	.06732056	.10491548
149 LEGAL SERVIC	.00561005	.00906602	.01092683	.02490130	1.00369363	.00895529	.01343265	.01461759
150 LODGING SFRV	.00160394	.00051370	.00442319	.00145210	.00200216	1.00280443	.00234651	.00548976

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 145 *	* SECTOR 146 *	* SECTOR 147 *	* SECTOR 148 *	* SECTOR 149 *	* SECTOR 150 *	* SECTOR 151 *	* SECTOR 152 *
151 PERSONAL SER	.00068736	.00017130	.00023051	.00018149	.00059816	.01523117	1.00484413	.00418290
152 ADVERTISING	.00175314	.00064854	.00082128	.00083394	.00041779	.00133382	.00182187	1.00308817
153 DUPL, ADDRESS	.00044768	.00080985	.00079061	.00144962	.00036138	.00080004	.00061968	.02231952
154 PRI EMPL AGE	.00013407	.00098446	.00070276	.00031337	.00030845	.00064343	.00047492	.00125990
155 PHOTO SERVIC	.00218455	.00213099	.00059464	.00061134	.00090289	.00236164	.00197475	.03214258
156 RESRCH, DEVEL	.00002628	.00001397	.00001183	.00002711	.00018401	.00003581	.00007275	.00008182
157 OTHER BUS SE	.00830502	.01515659	.00890868	.01482987	.00400488	.00741941	.00739962	.01295218
158 MTN PCT, AM, R	.00127421	.00018176	.00027077	.00012856	.00033057	.00083694	.00065727	.00218614
159 AUTO RENT SE	.00178790	.00045422	.00052882	.00040083	.00170919	.00104094	.00182333	.00221203
160 AUTO PARKING	.00004656	.00026124	.00028278	.00006335	.00005988	.00007572	.00002885	.00006018
161 ELEC REP SHP	.00541334	.00009107	.00008881	.00011296	.00021089	.00155393	.00716476	.00146968
162 MISC REP SER	.00313820	.00043306	.00042238	.00124306	.00114766	.00434675	.00447232	.00506853
163 PHYS, DENT SE	.00010773	.00008966	.00354641	.00010215	.00020558	.00042144	.00040998	.00095263
164 HOSP, LAB SER	.00020211	.00018689	.00360095	.00021635	.00072613	.00199016	.00173624	.00465687
165 OTH MED SERV	.00000365	.00000457	.00000540	.00000474	.00002796	.00007035	.00005918	.00015960
166 ED(PUB, PRI)	.01691517	.01312020	.01627475	.02208616	.00574431	.01695133	.00969511	.01383265
167 COLL, UNIV	.00822687	.00202377	.01075193	.00427036	.00183614	.00468460	.00568598	.00536218
168 OTH ED SERV	.00000885	.00001170	.00000948	.00001729	.00038953	.00005322	.00004317	.00010851
169 ENG, ARCH SER	.00094491	.00128860	.00100056	.00127914	.00146251	.00414392	.00333778	.00783488
170 COMPU, ACCT SERV	.00835338	.02509410	.01271088	.01517589	.01565945	.02279003	.00924461	.01573167
171 OTH PROF SER	.00003125	.00035129	.00007752	.00009888	.00003955	.00010991	.00007874	.00235278
172 OTHER SERVIC	.00252458	.00706512	.00904636	.00910227	.00650772	.00944672	.00757166	.01908703
173 ORD, ORD ACCS	.00000028	.00000019	.00000019	.00000051	.00000627	.00000049	.00000074	.00000044
174 OUTDOOR REC	.00037745	.00026139	.00121782	.00071094	.00020722	.00070343	.00064569	.00070479
175 SCRAP	.00004029	.00002015	.00001626	.00003407	.00010880	.00004922	.00010462	.00005231
TOTAL DIRECT/IND REQ	1.41333705	1.31261989	1.45012162	1.57205039	1.47691050	1.65055947	1.56765947	1.64197972

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 153 *	* SECTOR 154 *	* SECTOR 155 *	* SECTOR 156 *	* SECTOR 157 *	* SECTOR 158 *	* SECTOR 159 *	* SECTOR 160 *
1 IRR COTTON	.00007666	.00002607	.00005324	.00006510	.00003046	.00003615	.00003935	.00001768
2 IRR FOOD GRAIN	.00002949	.00003800	.00005673	.00009620	.00003262	.00004956	.00005472	.00002766
3 IRR FEED GRAIN	.00004290	.00004752	.00010047	.00016054	.00004935	.00007672	.00007072	.00005253
4 OTHER IRR CROP	.00024914	.00016698	.00043294	.00061709	.00022615	.00033709	.00026186	.00021031
5 THYLAND COTTON	.00002637	.00001357	.00002197	.00002924	.00001359	.00001763	.00002006	.00000967
6 DRY FOOD GRAIN	.00001779	.00002129	.00003361	.00005847	.00002086	.00003043	.00002943	.00001681
7 DRY FEED GRAIN	.00004013	.00004528	.00008845	.00015401	.00004411	.00006904	.00007120	.00005313
8 OTHER DRY CROP	.00003795	.00003491	.00010007	.00018307	.00004275	.00006757	.00006579	.00006415
9 RANGE LIVESTOCK	.00022791	.00021998	.00056075	.00092955	.00025545	.00039622	.00035562	.00029428
10 FEEDLOT LVSTK	.00030091	.00033919	.00070675	.00108730	.00035250	.00054650	.00048598	.00034094
11 DAIRY	.00015585	.00012420	.00045623	.00089374	.00017174	.00028004	.00027570	.00034202
12 POULTRY, EGGS	.00004262	.00003853	.00006973	.00008492	.00004230	.00006625	.00006965	.00011991
13 AG SUP EX FMC	.00005154	.00004534	.00011214	.00018807	.00005256	.00008131	.00007588	.00007370
14 COTTON GINNING	.00001277	.00000492	.00001173	.00001190	.00000542	.00000669	.00000729	.00000350
15 AGRY SERVICES	.00005989	.00004959	.00011409	.00018498	.00005680	.00009669	.00008498	.00008711
16 PRIM FORESTRY	.00033480	.00030614	.00030320	.00043935	.00026747	.00039025	.00031503	.00060269
17 FISHERIES	.00004183	.00003404	.00012125	.00022987	.00004768	.00007595	.00007289	.00007615
18 CRUDE PETRO	.00870113	.00387956	.00750496	.01293988	.00847585	.00920536	.04632516	.00817701
19 NATRL GAS LQDS.	.00040756	.00026574	.00033915	.00094798	.00043402	.00025635	.00361623	.00015251
20 OIL, GAS FLDSV	.00186001	.00085969	.00159296	.00300678	.00185218	.00184634	.01123843	.00166220
21 LIGNITE, OTH MINE	.00113437	.00030913	.00060104	.00055355	.00104398	.00103957	.00065131	.00095636
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM, ED, INST	.00000295	.00000240	.00000333	.00000528	.00000212	.00000778	.00000465	.00000668
24 INDUS CONS	.00000002	.00000007	.00000002	.00000004	.00000001	.00000005	.00000003	.00000004
25 FACILITY CONS	.00001164	.00000947	.00001319	.00002088	.00000838	.00003079	.00001839	.00002642
26 MAINTEN, REPR	.00778177	.00633010	.00880799	.01394828	.00560087	.02056523	.01228757	.01765374
27 MEAT PRODUCTS	.00083533	.00056945	.00234241	.00407942	.00094729	.00146250	.00127887	.00131331
28 POULTRY PROD	.00004864	.00002958	.00006506	.00010121	.00004135	.00006532	.00007421	.00002058
29 DAIRIES	.00034052	.00021554	.00110653	.00222642	.00037924	.00062824	.00059716	.00086720
30 OTH GRAIN MIL	.00005098	.00005176	.00014955	.00027833	.00006338	.00009953	.00009233	.00006902
31 ANIMAL FEEDS	.00004964	.00004779	.00011242	.00018475	.00005382	.00008477	.00008304	.00009649
32 BAKERY PROD	.00017588	.00011712	.00070100	.00140979	.00022288	.00036597	.00031375	.00030855
33 CNND, PSVP, PCK	.00041656	.00027387	.00138061	.00269173	.00048692	.00079013	.00071637	.00089553
34 OTH FOOD PROD	.00016493	.00011963	.00049696	.00087237	.00023979	.00037563	.00035192	.00048440
35 BEVERAGES	.00013966	.00010875	.00039466	.00070265	.00020004	.00085126	.00031431	.00046818
36 TEXTILE MILL	.00050869	.00006368	.00028207	.00030004	.00013483	.00012745	.00011501	.00005106
37 MBWMC FURN	.00008798	.00002482	.00043314	.00087719	.00015635	.00079351	.00015444	.00004724
38 RELATED APPRL	.00001830	.00000671	.00005056	.00036526	.00016820	.00004783	.00002373	.00000936
39 LOGGING	.00023727	.00020971	.00019855	.00028838	.00017226	.00024962	.00021172	.00031918
40 LUMBER MILLS	.00013965	.00009891	.00012008	.00013389	.00009857	.00018221	.00020190	.00035408
41 MILLWORK, WOOD	.00104342	.00111058	.00118920	.00181332	.00114209	.00164870	.00122203	.00301527
42 WOOD FURN, FIX	.00036400	.00037491	.00041987	.00065958	.00034768	.00031129	.00026864	.00033231
43 MET FURN, FIXT	.00017670	.00027626	.00030392	.00045829	.00014520	.00017797	.00016786	.00009539
44 PAPER, PAP MIL	.00227007	.00149589	.00125036	.00158213	.00076898	.00109038	.00084130	.00043152
45 PAP EX BOX, CT	.01291101	.00083375	.00117359	.00139319	.00075483	.00134909	.00049248	.00031427
46 BOXES, PAP CNT	.00053874	.00019804	.00085227	.00099908	.00032272	.00036509	.00102165	.00024739
47 NEWSPAPERS	.00237950	.02318443	.00581706	.00181980	.00386893	.01337131	.00155642	.00155884
48 PUBLISHING	.00248792	.00048082	.00113527	.00084681	.00036426	.00056391	.00030189	.00020672
49 PRINTING	.00468681	.00464839	.00388518	.00566142	.00303642	.00267903	.00163297	.00142133
50 MANFLD BUS FM	.00035587	.00034222	.00049917	.00060198	.00086186	.00036312	.00102099	.00027231

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 153 *	* SECTOR 154 *	* SECTOR 155 *	* SECTOR 156 *	* SECTOR 157 *	* SECTOR 158 *	* SECTOR 159 *	* SECTOR 160 *
51 OTH PRNT,PUBS	.01146823	.00192237	.00099755	.00039776	.00052192	.00020145	.00062410	.00098435
52 CHLOR,ALKALIE	.00033044	.00049777	.00059315	.00163220	.00174591	.00038322	.00042737	.00023499
53 CYCCRD INT,IG	.00042022	.00015531	.00024331	.00055216	.00033386	.00027525	.00062815	.00019766
54 ORG CHEM	.00273458	.00133002	.00195811	.00565961	.00270516	.00151166	.01535538	.00091184
55 INORG CHEM	.00034195	.00040511	.00050662	.00094483	.00248354	.00081713	.00107991	.00020107
56 FIBERS,PLASTI	.00313691	.00026108	.00055444	.00084875	.00040890	.00080818	.00103841	.00019476
57 SYN RUBBER	.00015041	.00001986	.00012834	.00006850	.00006547	.00003720	.00026176	.00002543
58 DRUGS	.00009032	.00006457	.00059561	.00129162	.00015262	.00025788	.00018867	.00002050
59 AGRI CHEMICAL	.00017994	.00011386	.00030531	.00045901	.01154210	.00026076	.00021143	.00026594
60 SPS,CLNS,TOIL	.00044158	.00005251	.00026374	.00065212	.00243800	.00024729	.00067925	.00007162
61 PAINT+VARNISH	.00020646	.00017276	.00025544	.00099364	.00018130	.00036017	.00040801	.00062478
62 OTH CHEMICALS	.00672268	.00030204	.00056352	.00114363	.00051656	.00049879	.00169059	.00034338
63 PETRO REFING	.01844184	.00777423	.01404807	.04876514	.02001261	.00734180	.22764510	.00647318
64 OTH PETRO PRD	.00011136	.00005539	.00010287	.00011695	.00008675	.00020075	.00013363	.00017533
65 TIRES	.00091698	.00006352	.00076626	.00021647	.00034660	.00015674	.00148078	.00012711
66 FAB RUBBER PR	.00005400	.00004328	.00015816	.00119894	.00007501	.00012379	.00010879	.00005858
67 PLASTIC PRODS	.00055269	.00056351	.00096717	.00185378	.00074665	.00099403	.00068895	.00051021
68 LEATHER,L PRD	.00177835	.00007604	.00042474	.00015736	.00005366	.00010178	.00008758	.00003900
69 GLASS	.00040711	.00009924	.00155977	.00036140	.00011580	.00019835	.00023757	.00014064
70 CLAY	.00007339	.00005772	.00009719	.00012728	.00006169	.00018509	.00011546	.00015982
71 CUT ST,CL,SH	.00034100	.00026525	.00038543	.00066501	.00038057	.00063858	.00079814	.00066326
72 CEMENT,CONCRT	.00034483	.00029749	.00037519	.00051979	.00028138	.00076901	.00056290	.00101639
73 BLAST FURNACE	.00021905	.00021463	.00034033	.00047951	.00027030	.00032462	.00065539	.00026917
74 PRI STEEL,IRO	.00015739	.00008287	.00047652	.00022784	.00017389	.00013824	.00025724	.00013121
75 FOUNDRIES	.00011679	.00010274	.00023288	.00023283	.00014622	.00014065	.00024997	.00012520
76 NONFER SMELTG	.00015605	.00012986	.00017217	.00033031	.00059707	.00017268	.00041677	.00008338
77 AL SHLT ROL DR	.00036575	.00030224	.00069687	.00098013	.00037850	.00054975	.00116045	.00038422
78 CAST,FRGINGS	.00002849	.00002431	.00006224	.00017606	.00003397	.00003208	.00005963	.00003332
79 FABRI STEEL	.00007856	.00008446	.00011342	.00022172	.00010070	.00022826	.00031193	.00011455
80 PLATE WORK	.00004540	.00004376	.00007751	.00012595	.00018907	.00007007	.00006861	.00005488
81 SH MET,ARCH	.00053166	.00067054	.00089253	.00167826	.00053577	.00241283	.00078055	.00097233
82 METAL DOORS	.00002052	.00001829	.00004556	.00002579	.00002616	.00063716	.00003904	.00008680
83 FAB MET PRD	.00047872	.00060647	.00113471	.00142091	.00058427	.00054523	.00202267	.00033364
84 PLUMBING	.00006629	.00010210	.00014367	.00019572	.00007510	.00014580	.00010982	.00012414
85 BOLTS,NUTS,SC	.00011340	.00009596	.00017865	.00031681	.00023097	.00016139	.00066426	.00010730
86 ELCTPLT,CT,EN	.00005899	.00008191	.00012447	.00023954	.00007732	.00010402	.00011863	.00006272
87 VALVE,PIPE FT	.00030383	.00024704	.00053476	.00062695	.00056995	.00049673	.00093153	.00046048
88 OTH FAB MET P	.00020143	.00010721	.00027170	.00099482	.00027166	.00032433	.00042035	.00025901
89 FM,CONS,IND M	.00011156	.00005662	.00012116	.00018059	.00007745	.00018486	.00012437	.00013928
90 MTL HDL MC,EQ	.00004689	.00001502	.00002849	.00131977	.00002833	.00002613	.00011003	.00001849
91 MIN MACH,EQUP	.00013381	.00007320	.00020605	.00484691	.00014447	.00017369	.00048767	.00011482
92 ENGINES	.00005059	.00003075	.00005270	.00010255	.00004852	.00005059	.00014196	.00004433
93 METAL WK MACH	.00003648	.00003340	.00006900	.00006385	.00004280	.00006178	.00006290	.00005105
94 IND PROC MACH	.00015982	.00009335	.00014768	.00017971	.00009862	.00009465	.00029744	.00005891
95 GEN IND MACH	.00088468	.00137922	.00087521	.00074827	.00115535	.00081407	.00080291	.00170153
96 REFRIG MACH	.00005870	.00003750	.00029070	.00067952	.00014933	.00017954	.00015181	.00012710
97 COMPU,ACCT MACH	.00130159	.00045943	.00519913	.00142023	.00077271	.00046366	.00047169	.00032506
98 ELEC INST,AP	.00090171	.00049745	.00190220	.00111604	.00049275	.00110591	.00114501	.00088605
99 ELEC HSLD EQ	.00005798	.00009698	.00013171	.00027237	.00006870	.00008443	.00008015	.00010161
100 ELEC COMM EQ	.00052081	.00075971	.00086870	.04739684	.00222875	.00044451	.00053219	.00023899

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 153	* SECTOR 154	* SECTOR 155	* SECTOR 156	* SECTOR 157	* SECTOR 158	* SECTOR 159	* SECTOR 160 *
101 OTH ELEC APP	.00010104	.00019465	.00028390	.00071820	.00034320	.00024767	.00023191	.00008149
102 AIRCRAFT	.00000380	.00000639	.00001262	.00002533	.00000808	.00001135	.00001323	.00000314
103 AIRCRAFT ENG	.00000007	.00000006	.00000013	.00000020	.00000007	.00000011	.00000011	.00000009
104 OTH AIRCRAFT	.00001810	.00003039	.00006539	.00013551	.00004137	.00005922	.00006727	.00001660
105 MOTOR VHCL,P	.00079063	.00022180	.00166517	.00196023	.000635266	.00063764	.05121541	.00036602
106 SHIP,BT BLDG	.00002098	.00000929	.00002271	.00003873	.00001878	.00002021	.00010321	.00001208
107 OTH TRANS EQ	.00002496	.00001352	.00018194	.00039168	.00006613	.00009354	.00012209	.00001943
108 SCIENTIF INS	.00003096	.00011834	.00012938	.00024463	.00007028	.00007241	.00007165	.00003439
109 MECH MSRG DV	.00003584	.00003319	.00004436	.00032095	.00003702	.00003531	.00005985	.00004506
110 MEDICAL INST	.00051288	.00124930	.00139986	.00239563	.00059828	.00060948	.00051930	.00026649
111 PHO,TH,OPT I	.000785674	.00075187	.03431238	.00173247	.00051619	.00039747	.00030220	.00026359
112 GAMES,TOYS	.00000775	.00006200	.00008550	.00010970	.00003165	.000186729	.00002487	.00001696
113 OTH MFG IND	.00173798	.00090410	.00105931	.00223083	.00132471	.00174312	.00151213	.00049646
114 RAIL TRANS	.00082234	.00055584	.00117157	.00114313	.00137405	.00095098	.00453552	.00065946
115 INTERCTY HGY	.00008753	.00000999	.00007454	.00002107	.00005662	.00127637	.00005602	.00001275
116 MOTOR FRT STR	.01456647	.00147632	.03213080	.00453621	.00648113	.00309815	.00582801	.00247806
117 WATER TRANS	.00056447	.00023038	.00045414	.00093475	.00047762	.00035266	.00330056	.00023236
118 AIR TRANS	.00242152	.00423397	.00974718	.02042450	.00610120	.00861239	.00972350	.00230711
119 PIPELINE TRN	.00057808	.00023839	.00044297	.00105230	.00051109	.00029186	.00423575	.00019121
120 LOC,SUB TRAN	.00000499	.00000385	.00007403	.00004594	.00006804	.00005467	.00003423	.00000702
121 OTH TRAN SER	.00069011	.00009568	.00021899	.00027387	.00035861	.00055209	.00027946	.00014816
122 TELEP,TELEGR	.01072673	.03430229	.01869997	.01089493	.02121346	.00902669	.00851305	.01117143
123 RADIO , TV	.00058179	.00129299	.00187076	.00084809	.00261745	.00468678	.00126816	.00099418
124 OTH COMMUNIC	.00004504	.00039790	.00043771	.00019075	.00068723	.00025654	.00018013	.00011726
125 GAS SERVICES	.00840772	.00320431	.00856909	.00670255	.00853211	.01398683	.01057171	.01341580
126 ELEC SERVICES	.01423367	.00560020	.01459813	.00997764	.01467477	.02648131	.01205258	.02507276
127 WATER,SANI SER	.00528996	.00132058	.00397117	.00259417	.00417663	.00698232	.00315683	.00511881
128 WHL AUT PT,S	.00044267	.00014724	.00067729	.00253214	.00054817	.00004546	.00904546	.00060251
129 WHL GRO,RELP	.00064672	.00071897	.00172868	.00146985	.00169640	.00895277	.00119266	.00121234
130 WHL FM PROD	.00019342	.00008025	.00018571	.00028846	.00012592	.00014978	.00020713	.00008358
131 WHL LIVESTOC	.00001034	.00000925	.00002268	.00003699	.00001160	.00001807	.00001554	.00001181
132 WHL MAC,EQ,S	.00759790	.00192214	.00613229	.00478386	.00478736	.00685630	.00559215	.00329137
133 WHL PET,PETP	.00297788	.00078170	.00352855	.00446167	.00735374	.00244227	.02907624	.00320921
134 GEN WHL	.06052830	.00602964	.02627808	.01965300	.01579017	.01367788	.01135725	.00551436
135 LUMBER YARDS	.00027620	.00015818	.00018090	.00038542	.00092412	.00025620	.00054080	.00040319
136 FARM EQ DEAL	.00007232	.00008893	.00007005	.00007863	.00015195	.00006910	.00010184	.00012479
137 HDW,HT,E,P,W	.00005543	.00003752	.00006998	.00016897	.00006927	.00009279	.00009103	.00012119
138 DEPT,VAR STO	.00019258	.00072220	.00043139	.00328137	.00015943	.00015950	.00020741	.00012711
139 FOOD STORES	.00011894	.00043529	.00048184	.00036484	.00038758	.00037626	.00023621	.00020831
140 AUTO DEAL,RP	.00227686	.00267801	.00163364	.00134727	.00337674	.00120526	.02417738	.01619606
141 GAS SER STAT	.00123259	.00063923	.00057581	.00114793	.00090194	.00041719	.00482891	.00044071
142 APPRL ACC ST	.00001258	.00000388	.00012327	.00000987	.00005129	.00010675	.00000458	.00000341
143 FURN,HM F,EQ	.00003833	.00003016	.00006074	.00458979	.00004626	.00005411	.00007512	.00004226
144 EAT,DRINK PL	.00258904	.00233605	.00543269	.00470706	.00330194	.00485065	.00360703	.00149931
145 OTHER RETAIL	.00315299	.00120243	.00179842	.00143860	.00144597	.00197275	.00072356	.00058071
146 BANK,CRD AGE	.02056246	.01775215	.02223012	.02429081	.03171168	.03417802	.04605601	.08367395
147 INSURANCE CA	.01288920	.00848921	.01300757	.00978494	.01618014	.01741278	.02120326	.02157117
148 F.I.R.E. NEC	.04713164	.05507887	.03588204	.02449268	.04147590	.06129124	.06383329	.36314175
149 LEGAL SERVIC	.00614865	.01014881	.00603873	.00349442	.00714408	.00564125	.00470277	.01268999
150 LODGING SERV	.00171846	.00169187	.00674765	.00751723	.00552734	.00221828	.00478289	.00132301

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 153 *	* SECTOR 154 *	* SECTOR 155 *	* SECTOR 156 *	* SECTOR 157 *	* SECTOR 158 *	* SECTOR 159 *	* SECTOR 160 *
151 PERSONAL SER	.00028052	.00030922	.00163301	.00092539	.00290506	.00331131	.00071130	.00060488
152 ADVERTISING	.00037176	.00095744	.00080829	.00044708	.00118577	.00162646	.00053085	.00050198
153 DUPL, ADDRESS	1.00193921	.00021372	.00048897	.00177484	.00091216	.00044907	.00034504	.00084120
154 PRI EMPL AGE	.00166908	1.00089400	.00041483	.00051094	.00262105	.00034094	.00026657	.00041902
155 PHOTO SERVIC	.00060421	.00050065	1.02350913	.01936392	.00497641	.00133989	.00112972	.00149312
156 RESRCH, DEVEL	.00004429	.00002060	.00003735	1.00005120	.00003290	.00003364	.00007942	.00001688
157 OTHER BUS SE	.00794169	.00358730	.00705651	.00553147	1.00595425	.00840579	.00623399	.00968551
158 MTN PCT, AM, R	.00013412	.00019224	.00868145	.00064630	.00057599	1.01038095	.00038340	.00030056
159 AUTO RENT SE	.00190957	.00068592	.00128168	.00102551	.00110804	.00106927	1.00295865	.00044563
160 AUTO PARKING	.00001072	.00024484	.00002499	.00001108	.00004252	.00003035	.00003710	1.00003230
161 ELEC REP SHP	.00025750	.00006543	.00080817	.00146746	.00262117	.00038475	.00049635	.00018268
162 MISC REP SER	.00603696	.00057801	.00454183	.00121628	.00156439	.00293318	.00176901	.00099080
163 PHYS, DENT SE	.00006209	.00023847	.00034999	.00021770	.00034290	.00145162	.00020299	.00020559
164 HOSP, LAB SER	.00022561	.00110105	.00157132	.00096374	.00154698	.00107107	.00068484	.00070517
165 OTH MED SERV	.00000338	.00000295	.00005358	.00000620	.00005301	.00003505	.00002369	.00000415
166 ED (PUB, PRI)	.01346453	.00772038	.00750594	.00528565	.00871670	.01386863	.02041762	.06110888
167 COLL, UNIV	.00495415	.00159501	.00273580	.00249999	.00250524	.00573700	.00748656	.00335687
168 OTH ED SERV	.00000793	.00001633	.00003726	.00000800	.00003460	.00002584	.00001738	.00001043
169 ENG, ARCH SER	.00105511	.00072866	.00348971	.00204661	.00307894	.00235304	.00258928	.00240174
170 COMPU, ACCT SERV	.00638040	.00937503	.00808480	.00482696	.00641389	.00907315	.00605752	.01003816
171 OTH PROF SER	.00002555	.00001799	.00014916	.00002821	.00012051	.00005812	.00004775	.00004806
172 OTHER SERVIC	.00457523	.00207105	.00539110	.01587855	.00632928	.00811670	.00506239	.00601716
173 ORD, ORD ACCS	.00000028	.00000024	.00000055	.00000055	.00000035	.00000033	.00000059	.00000030
174 OUTDOOR REC	.00033810	.00012978	.00047165	.00020301	.00040398	.00048998	.00123017	.00030789
175 SCRAP	.00007295	.00003274	.00005826	.00007106	.00006341	.00004896	.00009963	.00002254
TOTAL DIRECT/IND REQ	1.40192085	1.26834281	1.43203337	1.45768632	1.36293581	1.40803500	1.76517886	1.74461796

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 161	* SECTOR 162	* SECTOR 163	* SECTOR 164	* SECTOR 165	* SECTOR 166	* SECTOR 167	* SECTOR 168 *
1 IRR COTTON	.00005246	.00005353	.00002674	.00011096	.00006029	.00012200	.00006215	.00003636
2 IRR FOOD GRAIN	.00004493	.00003638	.00002611	.00008681	.00010320	.00027678	.00003255	.00002761
3 IRR FEED GRAIN	.00007272	.00006165	.00004030	.00010597	.00014201	.00062385	.00003029	.00004487
4 OTHER IRR CROP	.00067413	.00026749	.00018564	.00050061	.00059506	.00226836	.00007618	.00019076
5 DRYLAND COTTON	.00002155	.00001948	.00001130	.00004282	.00003267	.00008258	.00002353	.00001425
6 DRY FOOD GRAIN	.00003040	.00002234	.00001971	.00005159	.00005157	.00013575	.00004735	.00001798
7 DRY FEED GRAIN	.00006790	.00005785	.00003945	.00009982	.00011503	.00067291	.00003548	.00004192
8 OTHER DRY CROP	.00007328	.00006766	.00004403	.00010627	.00015842	.00090441	.00002444	.00004582
9 RANGE LIVESTOCK	.00040103	.00035503	.00022766	.00062326	.00092059	.00370824	.00013863	.00024682
10 FEEDLOT LIVSTK	.00050553	.00042183	.00027590	.00075202	.00104774	.00380752	.00020693	.00030994
11 DAIRY	.00032417	.00032241	.00020147	.00038175	.00040456	.00524619	.00008530	.00020811
12 POULTRY, EGGS	.00004058	.00004791	.00003539	.00015475	.00021154	.00182387	.00002833	.00002387
13 AG SUP EX FMC	.00009310	.00007418	.00004890	.00012525	.00015517	.00097917	.00003516	.00005077
14 COTTON GINNING	.00000902	.00000883	.00000471	.00001849	.00001164	.00002691	.00001029	.00000616
15 AGRIC SERVICES	.00011055	.00007730	.00005333	.00013507	.00016419	.00090924	.00003549	.00005379
16 PRIM FORESTRY	.00029846	.00022081	.00023637	.00041365	.00043655	.00086306	.00085463	.00021678
17 FISHERIES	.00008695	.00008400	.00005273	.00012758	.00021571	.00110921	.00002239	.00005477
18 CRUDE PETRO	.01029573	.00469176	.00469176	.01336390	.00934310	.01115717	.01128864	.00481706
19 NATRL GAS LIQDS.	.00049595	.00021414	.00015761	.00032050	.00025058	.00030879	.00032537	.00017790
20 OIL, GAS FLOSV	.00222257	.00114432	.00096264	.00265267	.00188273	.00221991	.00222736	.00101006
21 LIGNITE, OTH MINE	.00071609	.00051931	.00048832	.00139409	.00097398	.00105997	.00118037	.00048968
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM, ED, INST	.00000415	.00000286	.00000260	.00000340	.00000368	.00000311	.00000116	.00000235
24 INDUS CONS	.00000003	.00000002	.00000002	.00000002	.00000002	.00000002	.00000001	.00000002
25 FACILITY CONS	.00001644	.00001130	.00001030	.00001347	.00001455	.00001244	.00000463	.00000928
26 MAINTEN, REPR	.01097207	.00754723	.00686402	.00899448	.00971424	.00820814	.00307667	.00620191
27 MEAT PRODUCTS	.00162886	.00154269	.00097174	.00269077	.00423971	.01814031	.00026384	.00098642
28 POULTRY PROD	.00003582	.00004683	.00003540	.00008018	.00007372	.00032541	.00001589	.00002130
29 DAIRIES	.00076701	.00079924	.00049113	.00088276	.00093014	.01375576	.00013098	.00049447
30 OTH GRAIN MIL	.00009798	.00010189	.00006826	.00026134	.00034283	.00086501	.00004338	.00006052
31 ANIMAL FEEDS	.00007790	.00007470	.00004931	.00014051	.00018529	.00138115	.00003287	.00004878
32 BAKERY PROD	.00047811	.00049870	.00030677	.00128270	.00053003	.00462789	.00006937	.00030492
33 CNND, PSVP, PCK	.00095733	.00097492	.00060072	.00141308	.00255628	.01367257	.00015387	.00060725
34 OTH FOOD PROD	.00042171	.00033619	.00032397	.00100408	.00207091	.00716427	.00016227	.00022829
35 BEVERAGES	.00114065	.00033465	.00117117	.00051265	.00055133	.00632942	.00089553	.00028232
36 TEXTILE MILL	.00027813	.00033930	.00013741	.00066085	.00020445	.00014861	.00036132	.00020623
37 MBWHC FURN	.00154475	.00102521	.00020490	.00034340	.00123154	.00003466	.00006930	.00375551
38 RELATED APPRL	.00004149	.00004675	.00008831	.00004337	.00010447	.00002664	.00001673	.00012344
39 LOGGING	.00018979	.00013780	.00014709	.00025440	.00027145	.00052695	.00054363	.00013883
40 LUMBER MILLS	.00011099	.00009764	.00008493	.00014745	.00012979	.00394884	.00077454	.00011679
41 MILLWORK, WOOD	.00127891	.00097865	.00103493	.00184537	.00200886	.00148484	.00302429	.00089390
42 WOOD FURN, FIX	.00049350	.00029604	.00038295	.00042725	.00051373	.00119397	.00297301	.00039440
43 MET FURN, FIXT	.00025146	.00018321	.00026805	.00027301	.00035860	.00052895	.01100138	.00023388
44 PAPER, PAP MIL	.00082380	.00053066	.00071863	.00094339	.00105111	.00170475	.00416444	.00067582
45 PAP EX BOX, CT	.00079808	.00079733	.00079738	.00219374	.00251239	.00251903	.00186190	.00075212
46 BOXES, PAP CNT	.00052681	.00046486	.00030813	.00072099	.00056486	.00209548	.00059039	.00025422
47 NEWSPAPERS	.00331623	.00094089	.00066198	.00150278	.00205955	.00048388	.00036441	.00480768
48 PUBLISHING	.00079225	.00041311	.00049767	.00058943	.00067268	.00113950	.00142189	.00057465
49 PRINTING	.00343455	.00216112	.00367770	.00352589	.00373188	.00535173	.00491893	.00247448
50 MANFLD BUS FM	.00032561	.00038591	.00030915	.00054663	.00085257	.00059245	.00058851	.00046602

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 161	* SECTOR 162	* SECTOR 163	* SECTOR 164	* SECTOR 165	* SECTOR 166	* SECTOR 167	* SECTOR 168 *
51 OTH PRNT,PUBS	.00052332	.00018777	.00024331	.00027259	.00035369	.00037955	.00074408	.00024177
52 CHLOR,ALKALIE	.00049015	.00036391	.00053893	.00185197	.00070671	.00129170	.00077089	.00108414
53 CYCCRD INT,IG	.00027269	.00037399	.00015487	.00035276	.00028545	.00065646	.00044916	.00014559
54 ORG CHEM	.00248425	.00233158	.00124002	.00228944	.00200805	.00232446	.00457035	.00200966
55 INORG CHEM	.00045879	.00033085	.00039936	.00123354	.00057999	.00121858	.00122011	.00032993
56 FIBERS,PLASTI	.00052719	.00039393	.00047938	.00081487	.00079297	.00065710	.00119667	.00027089
57 SYN RUBBER	.00005787	.00005391	.00002679	.00007078	.00005237	.00003802	.00004308	.00002526
58 DRUGS	.00039138	.00043650	.00483238	.00525164	.00799935	.00007233	.00005258	.00026226
59 AGRI CHEMICAL	.00030535	.00020849	.00025822	.00045219	.00041765	.00091056	.00101643	.00015758
60 SPS,CLNS,TOIL	.00030022	.00015315	.00022852	.00033185	.00054223	.00012285	.00035499	.00011455
61 PAINT+VARNISH	.00033106	.00134725	.0020444	.00035560	.00035468	.00330416	.00096078	.00016106
62 OTH CHEMICALS	.00055732	.00039687	.00036957	.00073935	.00055485	.00039766	.00126776	.00028276
63 PETRO REFING	.02364293	.00813370	.00594580	.00926184	.00904497	.00989556	.00866550	.00499591
64 OTH PETRO PRO	.00012587	.00008758	.00007911	.00018815	.00014898	.00014055	.00016668	.00007971
65 TIRES	.00027821	.00028843	.00011533	.00031968	.00019152	.00014447	.00015140	.00011158
66 FAB RUBBER PR	.00022306	.00011489	.00025355	.00054195	.00100464	.00009262	.00053576	.00015544
67 PLASTIC PRODS	.00119492	.00071964	.00095306	.00178230	.00108957	.00132374	.00132070	.00065374
68 LEATHER,L PRO	.00027504	.00007242	.00030584	.00015778	.00013043	.00017898	.00019939	.00006737
69 GLASS	.00020729	.00014419	.00019421	.00023271	.00030103	.00123865	.00045978	.00011191
70 CLAY	.00013375	.00007830	.00007545	.00014062	.00010589	.00012637	.00003469	.00005762
71 CUT ST,CL,SH	.00046526	.00032152	.00037052	.00073822	.00065106	.00051968	.00071382	.00029907
72 CEMENT,CONCRT	.00050375	.00033774	.00031679	.00045804	.00046038	.00040863	.00021366	.00026832
73 BLAST FURNACE	.00038629	.00026642	.00024109	.00056613	.00031576	.00041402	.00145858	.00019103
74 PRI STEEL,IRO	.00014080	.00011881	.00011932	.00027456	.00017899	.00016939	.00097178	.00009807
75 FOUNDRIES	.00023587	.00019921	.00013228	.00021222	.00025174	.00026812	.00061618	.00008922
76 NONFER SMELTG	.00072870	.00013345	.00010216	.00018810	.00016276	.00020614	.00066839	.00009604
77 AL SMLT ROL DR	.00059733	.00060170	.00038501	.00063426	.00069597	.00068317	.00172303	.00029929
78 CAST,FORGINGS	.00003133	.00003037	.00004594	.00004980	.00004653	.00006120	.00021791	.00002194
79 FABRI STEEL	.00011971	.00021464	.00008478	.00012282	.00013158	.00016681	.00012782	.00007200
80 PLATE WORK	.00091227	.00025656	.00006486	.00010093	.00009006	.00011390	.00006222	.00006388
81 SH MET,ARCH	.00085585	.00272563	.00066505	.00081450	.00097581	.00113795	.00088310	.00057169
82 METAL DOORS	.00009088	.00003986	.00003828	.00004584	.00005120	.00009884	.00013117	.00003227
83 FAB MET PROD	.00078514	.00052465	.00168400	.00077649	.00560853	.00235738	.00233927	.00052789
84 PLUMBING	.00012235	.00026958	.00010532	.00012875	.00014665	.00031533	.00126156	.00009242
85 BOLTS,NUTS,SC	.00017092	.00013042	.00011930	.00024402	.00019151	.00030673	.00042310	.00011480
86 ELCTPLT,CT,EN	.00012579	.00192122	.00010294	.00013614	.00015855	.00019272	.00010622	.00007768
87 VALVE,PIPE FT	.00061853	.00039854	.00034653	.00108526	.00053241	.00069013	.00347820	.00036787
88 OTH FAB MET P	.00032577	.00030642	.00034213	.00065638	.00035717	.00071151	.00030186	.00020759
89 FM,CONS,IND M	.00011446	.00009719	.00007789	.00013763	.00012320	.00012302	.00005294	.00006371
90 HTL HDL MC,EQ	.00003684	.00002625	.00002026	.00003832	.00002760	.00002792	.00034862	.00001361
91 MIN MACH,EQUP	.00018369	.00013519	.00010312	.00023452	.00020038	.00014736	.00209762	.00010522
92 ENGINES	.00005891	.00003893	.00002657	.00007217	.00004635	.00004823	.00008579	.00003175
93 METAL WK MACH	.00004401	.00005409	.00003476	.00007072	.00005278	.00012308	.00037400	.00003058
94 IND PROC MACH	.00011228	.00010370	.00007970	.00012834	.00012190	.00021874	.0016701	.00006296
95 GEN IND MACH	.00064094	.00078330	.00082212	.00153182	.00073450	.00046775	.00139088	.00085073
96 REFRIG MACH	.00070588	.00023961	.00016749	.00114813	.00031609	.00063834	.00219001	.00058530
97 COMPU,ACCT MACH	.00055661	.00041320	.00051493	.00060075	.00092046	.00070671	.00246803	.00037027
98 ELEC INST,AP	.00083453	.00122536	.00056915	.00075843	.00080870	.00081893	.00260717	.00048702
99 ELEC HSLD EQ	.00010183	.00457846	.00015124	.00018256	.00029095	.00034930	.00098744	.00009818
100 ELEC COMM EQ	.02250513	.00052501	.00103655	.00199196	.00297729	.00163835	.00227594	.00211851

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 161 *	* SECTOR 162 *	* SECTOR 163 *	* SECTOR 164 *	* SECTOR 165 *	* SECTOR 166 *	* SECTOR 167 *	* SECTOR 168 *
101 OTH ELEC APP	.00349874	.00014955	.00018362	.00027265	.00025424	.00033061	.00260530	.00017277
102 AIRCRAFT	.00000570	.00000589	.00000395	.00001354	.00000573	.00000288	.00000496	.00000940
103 AIRCRAFT ENG	.00000012	.00000009	.00000006	.00000015	.00000017	.00000088	.00000006	.00000006
104 OTH AIRCRAFT	.00002773	.00003193	.00002668	.00007203	.00003288	.00001183	.00036551	.00004980
105 MOTOR VHCL,P	.00101395	.00116286	.00054932	.00094579	.00091611	.00031615	.00071729	.00056195
106 SHIP,BT BLDG	.00002323	.00001498	.00001048	.00002751	.00002497	.00006384	.00001695	.00001142
107 OTH TRANS EQ	.00015511	.00013801	.00008820	.00012516	.00013963	.00001382	.00003296	.00008858
108 SCIENTIF INS	.00010696	.00007680	.00011463	.00014884	.00014834	.00023090	.00460856	.00009480
109 MECH MSRG DV	.00002964	.00002988	.00002988	.00005180	.00003537	.00003558	.00028416	.00002423
110 MEDICAL INST	.00096090	.00078602	.00169865	.00647329	.00165319	.00240988	.01623304	.00098900
111 PHO,TH,OPT I	.00061327	.00050748	.00105069	.00091644	.00088164	.00125799	.00186087	.00060228
112 GAMES,TOYS	.00005093	.00004208	.00006571	.00007597	.00016226	.00017653	.00042817	.00005372
113 OTH MFG IND	.00120154	.00110579	.00103048	.00133349	.00258527	.00172367	.00173157	.00095717
114 RAIL TRANS	.00100459	.00109625	.00065124	.00255889	.00114071	.00097629	.00231538	.00120824
115 INTERCTY HGY	.00005796	.00007126	.00003793	.00019604	.00003979	.00004856	.00003394	.00005516
116 MOTOR FRT STR	.000591461	.000862787	.00264319	.00957909	.00404108	.00401373	.00403433	.000435710
117 WATER TRANS	.00054676	.00028401	.00022677	.00050698	.00036882	.00045680	.00048622	.00020094
118 AIR TRANS	.00398727	.00449971	.00299069	.01029383	.00422787	.00161492	.00356158	.00746032
119 PIPELINE TRN	.00059456	.00025189	.00021093	.00044955	.00033144	.00034801	.00043732	.00018085
120 LOC,SUB TRAN	.00007087	.00009370	.00004711	.00026283	.00006413	.00002152	.00000581	.00006835
121 OTH TRAN SER	.00027766	.00017469	.00012069	.00042879	.00023826	.00028864	.00016835	.00019148
122 TELEP,TELEGR	.01772464	.00843585	.01095748	.01549883	.01117519	.00658966	.01116875	.00796528
123 RADIO , TV	.00152740	.00098068	.00061223	.00274882	.00099166	.00061890	.00253809	.00159912
124 OTH COMMUNIC	.00042142	.00026381	.00015115	.00080684	.00019042	.00008269	.00004866	.00021341
125 GAS SERVICES	.01077243	.00721720	.00654314	.02131005	.01421489	.01717715	.01750130	.00688785
126 ELEC SERVICES	.01790542	.01354643	.01266259	.04218333	.02753251	.02868669	.03197557	.00315073
127 WATER,SANI SERV	.00521357	.00334042	.00262836	.00998188	.00778534	.00519442	.00655758	.00359581
128 WHL AUT PT,S	.00063535	.00047984	.00029315	.00116313	.00040607	.00035127	.00032923	.00058216
129 WHL GRO,RELP	.00292592	.00154036	.00105224	.00628013	.00658976	.00835746	.00024186	.00130589
130 WHL FM PROD	.00015747	.00011774	.00011171	.00026424	.00020985	.00066379	.00015459	.00008591
131 WHL LIVESTOC	.00001684	.00001445	.00000981	.00002621	.00003854	.00014095	.00000913	.00001025
132 WHL MAC,EQ,S	.00493712	.00642943	.00520327	.02800431	.00726631	.00319487	.00318224	.00474341
133 WHL PET,PETP	.00767563	.00182897	.00130564	.00642881	.00304578	.00177291	.00164105	.00151906
134 GEN WHL	.02782897	.01528828	.01526476	.02713911	.01018675	.00795250	.01041089	.00732380
135 LUMBER YARDS	.00375100	.00016071	.00013515	.00146131	.00129943	.00079549	.00009413	.00009468
136 FARM EQ DEAL	.00040102	.00006212	.00006391	.00022853	.00017266	.00007829	.00009427	.00005592
137 HDW,HT,E,P,W	.00006516	.00045497	.00003702	.00009390	.00005921	.00121963	.00007542	.00003230
138 DEPT,VAR STO	.00027322	.00012848	.00014996	.00025390	.00019172	.00023823	.00023544	.00015619
139 FOOD STORES	.00051743	.00040925	.00029601	.00146027	.00072782	.00037298	.00007025	.00038153
140 AUTO DEAL,RP	.00838418	.00259424	.00099229	.00247353	.00121406	.00324052	.00109478	.00073370
141 GAS SER STAT	.00314907	.00062204	.00045538	.00109043	.00091984	.00026448	.00031324	.00028027
142 APPRL ACC ST	.00000752	.00002933	.00001180	.00002962	.00053884	.00001253	.00000872	.00000391
143 FURN,HH F,EQ	.00012198	.00003902	.00003352	.00009010	.00010319	.00008298	.00010694	.00003113
144 EAT,DRINK PL	.00344116	.00259971	.00168915	.00537364	.00475256	.00099743	.00048412	.00192146
145 OTHER RETAIL	.01282838	.00114473	.00115783	.00335480	.00126637	.00055371	.00050298	.00106136
146 BANK,CRD AGE	.02803978	.02348750	.01905977	.05608615	.04072039	.01578151	.00898982	.06147603
147 INSURANCE CA	.02347913	.01959302	.01866462	.02016997	.01013354	.00596724	.00942926	.01443055
148 F.I.R.E. NEC	.04349395	.05143503	.05095836	.07104472	.06992534	.06193247	.01076644	.03453693
149 LEGAL SERVIC	.00431786	.00562546	.00597234	.01098841	.00499418	.00287858	.00954397	.00616457
150 LODGING SERV	.00204305	.00214156	.00189661	.00516479	.00226554	.00065826	.00045137	.00182798

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 161	* SECTOR 162	* SECTOR 163	* SECTOR 164	* SECTOR 165	* SECTOR 166	* SECTOR 167	* SECTOR 168 *
151 PERSONAL SER	.00341681	.00178660	.00177474	.00502192	.01564340	.00059364	.00126682	.00118399
152 ADVERTISING	.00082392	.00045976	.00032936	.00113904	.00045180	.00050126	.00137887	.00054992
153 DUPL, ADDRESS	.00052163	.00051608	.00046920	.00156094	.00047972	.00023820	.00020342	.00048459
154 PRI EMPL AGE	.00044086	.00042051	.00035873	.00133471	.00039542	.00014207	.00007513	.00040995
155 PHOTO SERVIC	.00193991	.00175336	.00122587	.00675441	.00150678	.00059967	.00030188	.00170917
156 RESRCH, DEVEL	.00003581	.00002383	.00002466	.00006544	.00007703	.00003678	.00005504	.00002074
157 OTHER BUS SE	.00892164	.00402886	.01309590	.01967700	.01245977	.00402678	.00799914	.00405700
158 MTN PCT, AM, R	.00059609	.00060109	.00036019	.00189200	.00045621	.00018680	.00288956	.00051994
159 AUTO RENT SE	.00326533	.00212411	.00082188	.00228182	.00110290	.00054045	.00725655	.00076971
160 AUTO PARKING	.00001538	.00002536	.00001956	.00005957	.00002922	.00000989	.00000697	.00001994
161 ELEC REP SHP	1.00442664	.00154254	.00210936	.00151425	.00071038	.00022051	.00011812	.00029504
162 MISC REP SER	.00264021	1.00206215	.00180463	.00378634	.00616719	.00091656	.00069230	.00171020
163 PHYS, DENT SE	.00032667	.00034953	1.00073821	.00191541	.00035467	.00010353	.00005659	.00029699
164 HOSP, LAB SER	.00135904	.00154384	.01472720	1.05178914	.00099975	.00043037	.00015977	.00134176
165 OTH MED SERV	.00004669	.00005298	.00014875	.00036410	1.00003033	.00001870	.00000386	.00004698
166 ED (PUB, PRI)	.00802290	.00578640	.00587072	.01344909	.00705243	1.00455577	.00360985	.00473676
167 COLL, UNIV	.00252826	.00210780	.00232256	.00466995	.00255064	.00154542	1.00137357	.00155194
168 OTH ED SERV	.00003386	.00003504	.00002313	.00010897	.00002201	.00001199	.00000931	1.00003144
169 ENG, ARCH SER	.00271634	.00263947	.00185733	.00846625	.00250616	.00152247	.03632330	.00243804
170 COMPU, ACCT SERV	.00826319	.00721294	.01394160	.01694750	.00708796	.00270425	.00154835	.00594748
171 OTH PROF SER	.00006438	.00006107	.00004481	.00018504	.00006386	.00004421	.00011175	.00006870
172 OTHER SERVIC	.00689253	.00707801	.00899859	.01662158	.00641129	.00198803	.00353335	.00496106
173 ORD, ORD ACCS	.00000056	.00000047	.00000031	.00000050	.00000059	.00000063	.00000145	.00000021
174 OUTDOOR REC	.00034129	.00067027	.00018865	.00065117	.00041421	.00016199	.00012614	.00090784
175 SCRAP	.00007476	.00003534	.00003217	.00007770	.00005214	.00005680	.00011442	.00002891
TOTAL DIRECT/IND REQ	1.42324672	1.29573925	1.29525115	1.62793588	1.41338446	1.38750155	1.34879305	1.27642540

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 169 *	* SECTOR 170 *	* SECTOR 171 *	* SECTOR 172 *	* SECTOR 173 *	* SECTOR 174 *	* SECTOR 175 *
1 IRR COTTON	.00006149	.00002295	.00003405	.00010231	.00006229	.00005013	.00001847
2 IRR FOOD GRAIN	.00008971	.00002510	.00002383	.00010968	.00005294	.00002606	.00002285
3 IRR FEED GRAIN	.00013676	.00004097	.00004392	.00015286	.00005444	.00002711	.00001873
4 OTHER IRR CROP	.00049986	.00024481	.00032142	.00070443	.00026602	.00007251	.00005240
5 DRYLAND COTTON	.00002803	.00001054	.00001352	.00004674	.00002671	.00001853	.00000963
6 DRY FOOD GRAIN	.00006673	.00002231	.00002533	.00052678	.00022464	.00002463	.00001316
7 DRY FEED GRAIN	.00013682	.00003454	.00003107	.00014182	.00005607	.00004751	.00002402
8 OTHER DRY CROP	.00015535	.00003353	.00002587	.00016383	.00003516	.00002052	.00001691
9 RANGE LIVESTOCK	.00077840	.00021071	.00021445	.00086695	.00026928	.00009020	.00008125
10 FEEDLOT LIVSTK	.00091805	.00029869	.00034021	.00107560	.00038849	.00012402	.00012106
11 DAIRY	.00075248	.00012676	.00006885	.00064733	.00009442	.00003979	.00005783
12 POULTRY,EGGS	.00010404	.00003429	.00002641	.00011432	.00004309	.00003644	.00005923
13 AG SUP EX FMC	.00016293	.00004446	.00004407	.00020254	.00006651	.00002481	.00002324
14 COTTON GINNING	.00001136	.00000477	.00000593	.00001828	.00001132	.00000811	.00000338
15 AGRI SERVICES	.00018035	.00005298	.00005048	.00021667	.00007521	.00003787	.00004286
16 PRIM FORESTRY	.00038362	.00029751	.00030381	.00057814	.00043466	.00024880	.00030048
17 FISHERIES	.00019329	.00003676	.00002430	.00019680	.00002615	.00002098	.00001562
18 CRUDE PETRO	.00673707	.00665329	.00364727	.01799818	.00835209	.00740441	.01078776
19 NATRL GAS LQDS.	.00044251	.00020103	.00019307	.00074834	.00051654	.00049079	.00054148
20 OIL,GAS FLOSV	.00147935	.00135627	.00076781	.00376627	.00176843	.00168912	.00234634
21 LIGNITE,OTH MINE	.00088400	.00067520	.00035860	.00136034	.00122012	.00062028	.00107024
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00001135	.00000296	.00000145	.00000659	.00000247	.00000425	.00000699
24 INDUS CONS	.00000008	.00000002	.00000001	.00000004	.00000002	.00000003	.00000005
25 FACILITY CONS	.00004486	.00001169	.00000576	.00002606	.00000977	.00001679	.00002763
26 MAINTEN,REPR	.02998127	.00780698	.00384336	.01740620	.00653068	.01122079	.01846659
27 MEAT PRODUCTS	.00332974	.00080515	.00067797	.00361361	.00064843	.00013861	.00019538
28 POULTRY PROD	.00008456	.00003734	.00002179	.00010508	.00001764	.00002617	.00001872
29 DAIRIES	.00184630	.00027714	.00011197	.00153781	.00007458	.00004287	.00009077
30 OTH GRAIN MIL	.00024101	.00004736	.00003627	.00030204	.00005569	.00005041	.00002948
31 ANIMAL FEEDS	.00017244	.00004288	.00003664	.00017532	.00005268	.00067203	.00003502
32 BAKERY PROD	.00116907	.00015753	.00007490	.00098231	.00003189	.00001939	.00003902
33 CNND,PSVP,PCK	.00222194	.00037114	.00020392	.00223264	.00009053	.00018384	.00010458
34 OTH FOOD PROD	.00069586	.00023387	.00015730	.00178742	.00009297	.00009775	.00015848
35 BEVERAGES	.00059623	.00042815	.00035720	.00088869	.00009994	.00036712	.00009469
36 TEXTILE MILL	.00026645	.00009618	.00018588	.00047577	.00028095	.00028406	.00004753
37 MBWMC FURN	.00071743	.00010751	.00003456	.00093580	.00107528	.00191486	.00005357
38 RELATED APPRL	.00008498	.00001440	.00000631	.00030147	.00001869	.00006120	.00000760
39 LOGGING	.00025890	.00018552	.00023969	.00040107	.00033182	.00016997	.00017325
40 LUMBER MILLS	.00020400	.00010706	.00009866	.00022330	.00013709	.00046145	.00013267
41 MILLWORK,WOOD	.00147285	.00130051	.00085714	.00195091	.00104313	.00062120	.00139024
42 WOOD FURN,FIX	.00081460	.00050926	.00101132	.00188730	.00061399	.00025611	.00019021
43 MET FURN,FIXT	.00055236	.00037099	.00087204	.00079454	.00003059	.00180640	.00004484
44 PAPER,PAP MIL	.00140897	.00087834	.00259525	.00314846	.00396833	.00135637	.00047461
45 PAP EX BOX,CT	.00161279	.00104339	.00235260	.00267824	.00104936	.00093603	.00024486
46 BOXES,PAP CNT	.00074632	.00035054	.00028211	.00136970	.02611875	.00037941	.00026607
47 NEWSPAPERS	.00192507	.00087513	.00147028	.00239654	.00047028	.00031815	.00049850
48 PUBLISHING	.00093240	.00126870	.00147095	.00281771	.00057640	.00017159	.00010270
49 PRINTING	.00576596	.00449726	.02082387	.02283543	.00087577	.00515484	.00111814
50 MANFLD BUS FM	.00067785	.00057687	.00096345	.00082946	.00076549	.00017834	.00036018

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 169 *	* SECTOR 170 *	* SECTOR 171 *	* SECTOR 172 *	* SECTOR 173 *	* SECTOR 174 *	* SECTOR 175 *
51 OTH PRNT,PUBS	.00065241	.00039226	.00351732	.00066754	.00036093	.00020181	.00006705
52 CHLOR,ALKALIE	.00104027	.00071247	.00136567	.00175460	.00065608	.00021909	.00019305
53 CYCCRD INT,IG	.00038645	.00020165	.00016305	.00139744	.00112946	.00048285	.00028432
54 ORG CHEM	.00404291	.00138805	.00169120	.00626151	.00398713	.00308071	.00551980
55 INORG CHEM	.00085412	.00050377	.00096207	.00129384	.00101222	.00203174	.00022531
56 FIBERS,PLASTI	.00100511	.00045735	.00055871	.00919288	.00440488	.00153340	.00022010
57 SYN RUBBER	.00005117	.00005365	.00001945	.00008117	.00141704	.00028402	.00034258
58 DRUGS	.00106810	.00009083	.00001075	.000086739	.00008623	.00008837	.00001312
59 AGRI CHEMICAL	.00054167	.00028785	.00010614	.00061637	.00014075	.00055759	.00009952
60 SPS,CLNS,TOIL	.00032443	.00013476	.00004265	.00039272	.00023073	.00074817	.00011852
61 PAINT,VARNISH	.00081808	.00022893	.00019179	.00050651	.00045728	.00067264	.00031108
62 OTH CHEMICALS	.00057487	.00046492	.00044233	.01950782	.00170078	.00049769	.00047232
63 PETRO REFING	.01481725	.00717339	.00537681	.03144468	.01288647	.02513125	.02558939
64 OTH PETRO PRO	.00019172	.00010606	.00005109	.00024021	.00009000	.00018361	.00017136
65 TIRES	.00020234	.00030325	.00007931	.00039364	.00915886	.00165579	.00219082
66 FAB RUBBER PR	.00030271	.00007886	.00006634	.00027338	.00011485	.00026312	.00007733
67 PLASTIC PRODS	.00306943	.00124905	.00160551	.05214506	.02191119	.00119994	.00042952
68 LEATHER,L PRD	.00017042	.00016124	.00033003	.00025463	.00005476	.00015475	.00003027
69 GLASS	.00043906	.00046972	.00018031	.00041230	.00056145	.00016521	.00009007
70 CLAY	.00029326	.00008974	.00003741	.00020119	.00006836	.00082418	.00016560
71 CUT ST,CL,SH	.00073309	.00043210	.00044351	.00078360	.00045292	.00078682	.00036402
72 CEMENT,CONCRT	.00234872	.00039093	.00021033	.00072396	.00030165	.00118807	.00066442
73 BLAST FURNACE	.00162418	.00028899	.00036798	.00140332	.01131280	.00101786	.00143156
74 PRI STEEL,IRO	.01435973	.00024572	.00034242	.00045603	.00054215	.00037890	.00022474
75 FOUNDRIES	.00468123	.00017333	.00029582	.00058876	.00147085	.00019381	.00028673
76 NONFER SMELTG	.00047727	.00013238	.00019097	.00038097	.00171438	.00159650	.00017540
77 AL SHLT ROL DR	.00217741	.00046200	.00101423	.00103637	.02297842	.00066037	.00049893
78 CAST,FORGINGS	.00024998	.00005081	.00007792	.00009253	.00393029	.00005211	.00011288
79 FABRI STEEL	.00040939	.00010436	.00017443	.00032119	.00040306	.00032715	.00019254
80 PLATE WORK	.00018470	.00008231	.00006866	.00031990	.00075083	.00013043	.00005299
81 SH MET,ARCH	.00397567	.00087262	.00216343	.00193239	.00116438	.00069271	.00075800
82 METAL DOORS	.00007758	.00005126	.00001555	.00014229	.00002913	.00001509	.00002983
83 FAB MET PROD	.00150654	.00099266	.00178764	.00204343	.00114887	.00241264	.00060708
84 PLUMBING	.00028976	.00014163	.00027357	.00036148	.00026592	.00041325	.00015950
85 BOLTS,NUTS,SC	.00039318	.00014819	.00016780	.00066024	.00052459	.00061193	.00042521
86 ELCTPLT,CT,EN	.00025156	.00013754	.00007734	.00259941	.00393734	.00011065	.00007628
87 VALVE,PIPE FT	.06653756	.00059744	.00022549	.00110932	.00560761	.00044379	.00042784
88 OTH FAB MET P	.00027777	.00044461	.00010525	.03244459	.00016780	.00008350	.00020457
89 FM,CONS,IND M	.00027913	.00008372	.00004194	.00021639	.00022642	.00453129	.01726165
90 MTL HDL MC,EQ	.00005173	.00001991	.00001508	.00006340	.00034064	.00002272	.00002681
91 MIN MACH,EQUIP	.00089798	.00019449	.00012108	.00033671	.00054235	.00009972	.00014287
92 ENGINES	.00008281	.00004106	.00003298	.00010029	.00018664	.00007339	.00130930
93 METAL WK MACH	.00058986	.00004370	.00006186	.00028390	.00647331	.00014667	.00013748
94 IND PROC MACH	.00016992	.00010252	.00026511	.00069906	.00082606	.00034283	.00276024
95 GEN IND MACH	.00063843	.00095551	.00116127	.000157140	.00246938	.00025629	.000283509
96 REFRIG MACH	.00051628	.00008314	.00003146	.00054406	.00004470	.00005284	.00008707
97 COMPU,ACCT MACH	.00137691	.00168636	.01145770	.00130297	.01430952	.00053544	.00060812
98 ELEC INST,AP	.00203269	.00067499	.00075256	.00145289	.00724739	.00124894	.00124013
99 ELEC HSLD EQ	.00021631	.00015874	.00029204	.00037473	.00139865	.00001908	.00007071
100 ELEC COMM EQ	.00143859	.00098085	.00202551	.00210050	.05606882	.00081582	.00024981

APPENDIX TABLE 9. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 169 *	* SECTOR 170 *	* SECTOR 171 *	* SECTOR 172 *	* SECTOR 173 *	* SECTOR 174 *	* SECTOR 175 *
101 OTH ELEC APP	.00035892	.00027168	.00048195	.00069379	.00060966	.00813691	.00033871
102 AIRCRAFT	.00000999	.00001268	.00001239	.00001342	.00000309	.00000212	.00000821
103 AIRCRAFT ENG	.00000036	.00000006	.00000007	.00000024	.01598575	.00000005	.00000006
104 OTH AIRCRAFT	.00006044	.00006763	.00006678	.00007748	.00037471	.00000885	.00003775
105 MOTOR VHCL,P	.00176262	.00071601	.00020166	.00174825	.00094589	.04635263	.00281781
106 SHIP,BT BLDG	.00003297	.00001439	.00000988	.00004682	.00002780	.00200178	.00002691
107 OTH TRANS EQ	.00031161	.00005497	.00002008	.00203386	.00814439	.00005370	.00014403
108 SCIENTIF INS	.00023545	.00015838	.00035399	.00033687	.00007080	.00011994	.00001449
109 MECH MSRG DV	.00005512	.00004424	.00002702	.00009195	.02446160	.00002590	.00009105
110 MEDICAL INST	.00254562	.00166160	.00390382	.00361804	.00009461	.00006528	.00009034
111 PHO, TM, OPT I	.00363276	.00905995	.00215087	.00212049	.00941679	.00034258	.00009196
112 GAMES, TOYS	.00013546	.00008817	.00020685	.00024460	.00000351	.00036328	.00000546
113 OTH HFG IND	.00191836	.00124905	.00308983	.00369558	.00067535	.00048035	.00019647
114 RAIL TRANS	.00174693	.00134686	.00062759	.00341887	.00699143	.00279722	.03353999
115 INTERCTY HGY	.00004475	.00010511	.00001354	.00012183	.00006062	.00002416	.00019211
116 MOTOR FRT STR	.00398935	.01634122	.00199907	.00825654	.00718437	.00629992	.10911320
117 WATER TRANS	.00061510	.00030012	.00023284	.00104702	.00080525	.00065981	.00064040
118 AIR TRANS	.00752801	.01007074	.01003165	.01014569	.00130266	.00124035	.00559021
119 PIPELINE TRN	.00057362	.00027118	.00021131	.00107704	.00058567	.00072797	.00060679
120 LOC, SUB TRAN	.00003683	.00013990	.00000428	.00013489	.00000630	.00005046	.00000434
121 OTH TRAN SER	.00024048	.00024927	.00014865	.00059999	.00033729	.00017878	.00056193
122 TELEP, TELEGR	.01145627	.01682460	.01341233	.01406519	.01081355	.00214120	.00844373
123 RADIO, TV	.00095898	.00146742	.00077248	.00225766	.00028228	.00023772	.00148209
124 OTH COMMUNIC	.00027706	.00042662	.00004031	.00047071	.00002766	.00003014	.00004777
125 GAS SERVICES	.00585639	.00966995	.00429689	.01893703	.00849800	.00477833	.01109394
126 ELEC SERVICES	.00839261	.01809551	.00767429	.03212103	.01289325	.00567822	.02437911
127 WATER, SANI SERV	.00196526	.00479170	.00219413	.00740162	.00255174	.00313781	.00198579
128 WHL AUT PT, S	.00044358	.00072250	.00018266	.00374413	.00059165	.02218348	.00209099
129 WHL GRO, RELP	.00107713	.00255716	.00039323	.00294779	.00038587	.00026119	.00026953
130 WHL FM PROD	.00027905	.00011619	.00008999	.00047794	.00023141	.00020003	.00007614
131 WHL LIVESTOC	.00003300	.00000944	.00000973	.00003988	.00001372	.00000548	.00000412
132 WHL HAC, EQ, S	.01201302	.01211382	.00305872	.01120792	.00275408	.00210857	.00277870
133 WHL PET, PETP	.00229136	.00318454	.00124721	.00775558	.00234685	.00390093	.01515895
134 GEN WHL	.03037041	.01380456	.00647438	.04135030	.04844267	.00745686	.00576044
135 LUMBER YARDS	.00027693	.00016775	.00012302	.00044486	.00025858	.00026341	.00026549
136 FARM EQ DEAL	.00008025	.00006986	.00048574	.00023491	.00010537	.00004678	.00006394
137 HDW, HT, E, P, W	.00015811	.00005777	.00005649	.00017569	.00011201	.00006052	.00005798
138 DEPT, VAR STO	.00034839	.00016020	.00044356	.00065405	.00054975	.00018852	.00011476
139 FOOD STORES	.00026174	.00071494	.00010981	.00179902	.00016784	.00005493	.00004815
140 AUTO DEAL, RP	.00480625	.00139198	.00048863	.00395860	.00282339	.01091512	.00962702
141 GAS SER STAT	.00040806	.00056651	.00011895	.00244418	.00033930	.00110000	.00232134
142 APPRL ACC ST	.00001280	.00001640	.00001095	.00004435	.00001551	.00000664	.00000655
143 FURN, HM F, EQ	.00008521	.00005057	.00005124	.00014179	.00028386	.00009820	.00005347
144 EAT, DRINK PL	.00350359	.00359693	.00478367	.00708986	.00065625	.00044796	.00045413
145 OTHER RETAIL	.00096606	.00251936	.00475247	.00394606	.00610966	.00029568	.00020232
146 BANK, CRD AGE	.02320897	.03424664	.01347856	.04071249	.01635436	.01348062	.04827461
147 INSURANCE CA	.00859835	.01279063	.00918032	.02143214	.00922182	.01471883	.01509109
148 F. I. R. E. NEC	.02623815	.07389469	.04752564	.04428706	.03482284	.00682845	.04606540
149 LEGAL SERVIC	.00383958	.00685680	.00825201	.01056906	.00292115	.00116486	.00506124
150 LODGING SERV	.00304811	.00495291	.00456011	.00532906	.00073820	.00052917	.00293644

APPENDIX TABLE 4. DIRECT AND INDIRECT REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 169 *	* SECTOR 170 *	* SECTOR 171 *	* SECTOR 172 *	* SECTOR 173 *	* SECTOR 174 *	* SECTOR 175 *
151 PERSONAL SER	.00067038	.00220354	.00019205	.00298781	.00234423	.00013615	.00027065
152 ADVERTISING	.00051348	.00074197	.00052261	.00100219	.00068863	.00019215	.00068111
153 DUPL, ADDRESS	.00035887	.00092272	.00041187	.00095221	.00010630	.00007368	.00015730
154 PRI EMPL AGE	.00025865	.00622314	.00010934	.00082553	.00014615	.00014210	.00010608
155 PHOTO SERVIC	.00098637	.00318388	.00025872	.00426376	.00026090	.00021499	.00033104
156 RESRCH, DEVEL	.00006092	.00003240	.00002477	.00009854	.00010652	.00005396	.00003365
157 OTHER BUS SE	.01780312	.01688089	.00242284	.01213882	.00210142	.01110743	.00386402
158 MYN PCT, AM, R	.00036051	.00103299	.00130095	.00115202	.00006227	.00005278	.00006802
159 AUTO RENT SE	.00153582	.00160447	.00166221	.00200975	.00071919	.00083506	.00120601
160 AUTO PARKING	.00003367	.00003676	.00000748	.00005292	.00000779	.00000797	.00001736
161 ELEC REP SHP	.00024474	.00053977	.00008599	.00101939	.00016839	.00010101	.00017527
162 MISC REP SER	.00593848	.00499877	.00040497	.00522463	.00080101	.00051079	.00842890
163 PHYS, DENT SE	.00017450	.00055364	.00004722	.00058561	.00004879	.00006781	.00006670
164 HOSP, LAB SER	.00076736	.00269552	.00010416	.00271498	.00007361	.00010053	.00011029
165 OTH MED SERV	.00002728	.00009270	.00000296	.00009500	.00000363	.00000298	.00000253
166 ED(PUB, PRI)	.00523848	.00940953	.00485353	.00938801	.00404526	.00224695	.00493366
167 COLL, UNIV	.00189197	.00336129	.00221015	.00344983	.00139854	.00099996	.00188283
168 OTH ED SERV	.00001914	.00006126	.00000950	.00006013	.00000664	.00000336	.00000636
169 ENG, ARCH SER	1.00704311	.00456809	.00044585	.00647737	.00077808	.00052381	.00089853
170 COMPU, ACCT SERV	.00413625	1.01071118	.01173556	.01375771	.00764319	.01109725	.00563871
171 OTH PROF SER	.00004402	.00010841	1.00001722	.00012781	.00003335	.00001567	.00002926
172 OTHER SERVIC	.00351135	.01231356	.00153571	1.01975638	.00109696	.00065593	.00461454
173 ORD, ORD ACCS	.00001105	.00000041	.00000070	.00000139	1.00463233	.00000046	.00000068
174 OUTDOOR REC	.00017607	.00041670	.00009793	.00042970	.00013822	1.00010356	.00103164
175 SCRAP	.00013988	.00004117	.00004289	.00014887	.000717928	.00015314	1.00003885
TOTAL DIRECT/IND REQ	1.44076451	1.40894898	1.27298459	1.70048226	1.54428697	1.29892041	1.50095366

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 1 *	* SECTOR 2 *	* SECTOR 3 *	* SECTOR 4 *	* SECTOR 5 *	* SECTOR 6 *	* SECTOR 7 *	* SECTOR 8 *
1 IRR COTTON	1.01756768	.00020353	.00020150	.00022181	.00025343	.00021467	.00021006	.00024088
2 IRR FOOD GRAIN	.00032895	1.03645840	.00029850	.00031661	.00037479	.00030882	.00030695	.00035386
3 IRR FEED GRAIN	.00072689	.00063239	1.01160065	.00070704	.00083520	.00064994	.02622276	.00076105
4 OTHER IRR CROP	.00246865	.00211091	.00218572	1.01744211	.00284160	.00216807	.00221128	.03667594
5 DRYLAND COTTON	.00013790	.00012315	.00012416	.00013397	1.02037724	.00012932	.00012822	.00014765
6 DRY FOOD GRAIN	.00018530	.00017065	.00016840	.00035226	.00020998	1.08316082	.00017422	.00020731
7 DRY FEED GRAIN	.00057840	.00052973	.00051386	.00122412	.00065711	.00053980	1.00053577	.00063387
8 OTHER DRY CROP	.00160789	.00135673	.00140940	.00150779	.00186229	.00139826	.00143337	1.01839131
9 RANGE LIVESTOCK	.00475905	.00419528	.00419559	.00447905	.00549454	.00417118	.00426035	.00494483
10 FEEDLOT LVSTK	.00512835	.00437177	.00454630	.00482732	.00591608	.00452049	.00460715	.00535773
11 DAIRY	.00245033	.00209049	.00218063	.00232268	.00281038	.00214542	.00219014	.00255567
12 POULTRY,EGGS	.00349293	.00482263	.00276745	.00407437	.00362694	.00430501	.00374982	.00365142
13 AG SUP EX FMC	.03360497	.04548431	.04202830	.03511910	.03620639	.04206341	.04636471	.06913389
14 COTTON GINNING	.11751304	.00004860	.00004372	.00005017	.12075865	.00004940	.00004742	.00005296
15 AGRY SERVICES	.04653869	.09044379	.03250273	.06537699	.04260079	.07499759	.05870884	.04905140
16 PRIM FORESTRY	.00077975	.00071219	.00075017	.00070547	.00074150	.00062941	.00062935	.00073319
17 FISHERIES	.00041690	.00036000	.00037450	.00039778	.00047547	.00036930	.00037517	.00043795
18 CRUDE PETRO	.06463379	.07641438	.09458290	.04335753	.03741007	.04155109	.04101738	.03617560
19 NATRL GAS LQDS.	.00250108	.00232745	.00253745	.00219818	.00294289	.00335401	.00319228	.00286125
20 OIL,GAS FLOSV	.01327930	.01540619	.01890674	.00919961	.00851299	.00973726	.00951100	.00835137
21 LIGNITE,OTH MINE	.00601466	.00699056	.00709169	.00549253	.00571596	.00682927	.00572528	.00754159
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00001403	.00000906	.00000959	.00000748	.00001411	.00001001	.00001134	.00000987
24 INDUS CONS	.00000009	.00000006	.00000006	.00000005	.00000009	.00000007	.00000008	.00000007
25 FACILITY CONS	.00005572	.00003606	.00003816	.00002985	.00005609	.00003983	.00004507	.00003929
26 MAINTEN,REPR	.03705558	.02394192	.02533781	.01976833	.03726670	.02645393	.02995338	.02606473
27 MEAT PRODUCTS	.02140462	.01798220	.01876254	.02005443	.02477769	.01847829	.01900177	.02206723
28 POULTRY PROD	.00185386	.00157902	.00163034	.00175409	.00213394	.00161335	.00165079	.00191793
29 DAIRIES	.00558475	.00473577	.00495128	.00528804	.00640677	.00483445	.00495610	.00579078
30 OTH GRAIN MIL	.00080191	.00071085	.00071152	.00076785	.00091683	.00072859	.00073227	.00084198
31 ANIMAL FEEDS	.00220769	.00250546	.00183842	.00234439	.00241197	.00235543	.00218670	.00229932
32 BAKERY PROD	.00364633	.00306711	.00320602	.00342366	.00421092	.00314483	.00323295	.00376202
33 CNND,PSVP,PCK	.00295419	.00255708	.00266794	.00284199	.00333825	.00257995	.00262999	.00309154
34 OTH FOOD PROD	.01023552	.00860946	.00896077	.00959285	.01185775	.00885575	.00909667	.01055715
35 BEVERAGES	.01140308	.00963014	.00999929	.01071114	.01320162	.00991589	.01015550	.01182033
36 TEXTILE MILL	.00045803	.00042424	.00040553	.00048938	.00051148	.00045704	.00043213	.00049251
37 MBWMC FURN	.00387895	.00324398	.00340111	.00361208	.00448765	.00331835	.00342139	.00397628
38 RELATED APPRL	.00065799	.00055307	.00057814	.00061404	.00076143	.00056895	.00058400	.00067693
39 LOGGING	.00047505	.00043971	.00045854	.00046781	.00046446	.00040735	.00040223	.00046808
40 LUMBER MILLS	.00040968	.00035898	.00037375	.00037629	.00041216	.00035265	.00035903	.00039942
41 MILLWORK,WOOD	.00338692	.00305500	.00325866	.00258085	.00309699	.00251462	.00255112	.00299064
42 WOOD FURN,FIX	.00096711	.00082291	.00084584	.00093632	.00106481	.00083031	.00086224	.00106502
43 MET FURN,FIXT	.00038354	.00034936	.00036453	.00038088	.00041083	.00034004	.00034183	.00040956
44 PAPER,PAP MIL	.00153465	.00143083	.00144657	.00297467	.00167299	.00152421	.00148643	.00174349
45 PAP EX BOX,CT	.00142982	.00141900	.00144286	.00138560	.00154111	.00146511	.00136612	.00167371
46 BOXES,PAP CNT	.00225568	.00205257	.00211439	.001362279	.00256697	.00229929	.00224896	.00286409
47 NEWSPAPERS	.00480146	.00429565	.00437358	.00470724	.00540566	.00437764	.00438465	.00529475
48 PUBLISHING	.00051451	.00050046	.00050663	.00051104	.00055088	.00049912	.00047936	.00058447
49 PRINTING	.00240896	.00239760	.00228583	.00246305	.00263409	.00236843	.00236894	.00280203
50 MANFLD BUS FM	.00059614	.00057281	.00057854	.00061492	.00063382	.00055122	.00054968	.00069649

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS (TEXAS, 1979)

	* SECTOR 1 *	* SECTOR 2 *	* SECTOR 3 *	* SECTOR 4 *	* SECTOR 5 *	* SECTOR 6 *	* SECTOR 7 *	* SECTOR 8 *
51 OTH PRNT,PUBS	.00032418	.00030113	.00030767	.00031419	.00035476	.00030330	.00030061	.00035100
52 CHLOR,ALKALIE	.00307102	.00368253	.00359139	.0037629	.00319543	.00402253	.00332573	.00445302
53 CYCROD INT,IG	.00141349	.00156376	.00154405	.00172863	.00152050	.00177369	.00157131	.00195367
54 ORG CHEM	.00992854	.00954906	.01039319	.00909605	.01136895	.01359043	.01273800	.01162509
55 INORG CHEM	.01774306	.02231840	.02147264	.0181984	.01858256	.02504704	.02011848	.02756169
56 FIBERS,PLASTI	.00133131	.00130428	.00132794	.00432246	.00145988	.00410508	.00136700	.00169088
57 SYN RUBBER	.00028937	.00029578	.00028226	.00032488	.00035566	.00040839	.00040839	.00050087
58 DRUGS	.00041215	.00034918	.00036404	.00038355	.00047471	.00035602	.00036565	.00042213
59 AGRI CHEMICAL	.08900825	.11402560	.10908784	.09172666	.09277122	.12757376	.10130683	.14111056
60 SPS,CLNS,TOIL	.00122532	.00107054	.00112987	.00111881	.00142147	.00125548	.00124454	.00130719
61 PAINT+VARNISH	.00124646	.00101838	.00106230	.00110129	.00135273	.00106460	.00110679	.00119317
62 OTH CHEMICALS	.00148005	.00141389	.00152943	.00154196	.00161783	.00175283	.00168254	.00164721
63 PETRO REFINNG	.09699752	.09136930	.10489674	.07946360	.11756980	.15583672	.14686571	.001401958
64 OTH PETRO PRD	.00047373	.00042924	.00049469	.00030298	.00038061	.00029268	.00031060	.00030797
65 TIRES	.00158830	.00161185	.00152501	.00182692	.00182176	.00196926	.00234584	.00289667
66 FAB RUBBER PR	.00027014	.00023287	.00024213	.00023464	.00029334	.00024409	.00025387	.00027847
67 PLASTIC PRODS	.00349937	.00328668	.00334539	.02204025	.00392103	.00349030	.00335929	.00471914
68 LEATHER,L PRO	.00035041	.00031076	.00031242	.00032858	.00039669	.00032875	.00032604	.00036800
69 GLASS	.00114717	.00098773	.00102039	.00105941	.00130141	.00102930	.00103997	.00119907
70 CLAY	.00054993	.00041979	.00042260	.00039130	.00058134	.00044050	.00046848	.00046439
71 CUT ST,CL,SH	.00111569	.00098426	.00101248	.00092306	.00118296	.00104367	.00103222	.00113322
72 CEMENT,CONCRT	.00140596	.00100495	.00105707	.00084766	.00141390	.00106251	.00116141	.00107523
73 BLAST FURNACE	.00104840	.00107841	.00106689	.00093522	.00105282	.00112120	.00115887	.00119406
74 PRI STEEL,IRO	.00032045	.00032008	.00030949	.00095681	.00030838	.00031700	.00032050	.00266498
75 FOUNDRIES	.00060983	.00061923	.00064231	.00056688	.00060474	.00059303	.00057356	.00064173
76 NONFER SHELTLG	.00381171	.00472065	.00456100	.00368846	.00399904	.00530192	.00435575	.00586471
77 AL SMLT ROL DR	.00161627	.00140570	.00147073	.00131131	.00174831	.00164966	.00163800	.00164707
78 CAST,FORGINGS	.00012726	.00013234	.00013343	.00012022	.00013154	.00013469	.00013066	.00014401
79 FABRI STEEL	.00039321	.00035274	.00036059	.00031692	.00040817	.00037609	.00038516	.00039841
80 PLATE WORK	.00017297	.00017276	.00017710	.00015020	.00017339	.00017697	.00016452	.00019170
81 SH MET,ARCH	.00200829	.00154887	.00161794	.00142701	.00207783	.00161629	.00171376	.00176744
82 METAL DOORS	.00015656	.00012899	.00013495	.00013279	.00017289	.00013281	.00013760	.00015078
83 FAB MET PRD	.00310303	.00280422	.00290735	.00292113	.00349912	.00310900	.00312241	.00338429
84 PLUMBING	.00037786	.00029066	.00030146	.00027536	.00039537	.00030049	.00031006	.00032675
85 BOLTS,NUTS,SC	.00069430	.00067306	.00067607	.00065501	.00074238	.00071817	.00071367	.00077119
86 ELCTPLT,CT,EN	.00215106	.00020397	.00020842	.00019638	.00023052	.00021275	.00022181	.00023842
87 VALVE,PIPE FT	.00083084	.00025204	.00275519	.00188798	.00154018	.00171276	.00162441	.00180828
88 OTH FAB MET P	.00337408	.00519925	.00450160	.00351096	.00093350	.00084317	.00082644	.00094500
89 FM,CONS,IND M	.00012523	.00012849	.00013535	.00013337	.00013438	.00015865	.00019616	.00449805
90 HTL HDL MC,EQ	.00075631	.00086119	.00100730	.00057637	.00055021	.00060515	.00014194	.00014856
92 ENGINES	.00023620	.00024011	.00024240	.00020501	.00024424	.00025846	.00023957	.00025485
93 METAL WK MACH	.00018854	.00017823	.00018385	.00017706	.00019706	.00017691	.00017527	.00020800
94 IND PROC MACH	.00034783	.00033758	.00034760	.00033646	.00039267	.00041289	.00039293	.00042477
95 GEN IND MACH	.00191985	.00211932	.00210120	.00198846	.00218579	.00218579	.000193652	.00247504
96 REFRIG MACH	.00026067	.00021901	.00023036	.00023188	.00027350	.00021852	.00022651	.00024624
97 COMP,ACCT MACH	.00105573	.00098004	.00099154	.00090950	.00109873	.00102835	.00102929	.00109826
98 ELEC INST,AP	.00213898	.00159673	.00167602	.00135141	.00215807	.00173585	.00188016	.00172041
99 ELEC HSLD EQ	.00030012	.00027201	.00027734	.00030241	.00033534	.00027982	.00027827	.00034457
100 ELEC COMM EQ	.00109831	.00110642	.00126083	.00095395	.00097793	.00088955	.00088079	.000977302

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 1 *	* SECTOR 2 *	* SECTOR 3 *	* SECTOR 4 *	* SECTOR 5 *	* SECTOR 6 *	* SECTOR 7 *	* SECTOR 8 *
101 OTH ELEC APP	.00050072	.00048730	.00053247	.00055133	.00053446	.00054818	.00082337	.00087196
102 AIRCRAFT	.00001178	.00001083	.00001109	.00001145	.00001317	.00001125	.00001111	.00001282
103 AIRCRAFT ENG	.00004402	.00008539	.00003077	.00006176	.00004032	.00007083	.00005548	.00004639
104 OTH AIRCRAFT	.00005662	.00005163	.00005227	.00005529	.00006282	.00005125	.00005145	.00005947
105 MOTOR VHCL,P	.00929255	.01037345	.01106076	.00867959	.00946558	.01121372	.01305860	.01134972
106 SHIP,BT BLDG	.00035390	.00033604	.00034231	.00033947	.00039908	.00037296	.00036056	.00039154
107 OTH TRANS EQ	.00148190	.00124935	.00130362	.00138275	.00171946	.00128985	.00132687	.00152982
108 SCIENTIF INS	.00009532	.00009384	.00009795	.00009887	.00009635	.00008858	.00008639	.00010464
109 MECH MSRG DV	.00010159	.00009827	.00009930	.00009058	.00010747	.00011000	.00010373	.00011348
110 MEDICAL INST	.00083215	.00076228	.00079524	.00082105	.00090030	.00075144	.00075029	.00088801
111 PHO, TM, OPT I	.00033690	.00030927	.00031560	.00033592	.00036307	.00030052	.00030047	.00036956
112 GAMES, TOYS	.00016011	.00013571	.00014180	.00015087	.00018332	.00013820	.00014184	.00016556
113 OTH HFG IND	.00130315	.00115361	.00116358	.00127018	.00145092	.00121253	.00119139	.00141364
114 RAIL TRANS	.00584821	.00745782	.00713480	.00611629	.00628396	.00789159	.00756566	.00706576
115 INTERCTY HGY	.00090675	.00077016	.00080150	.00084879	.00105163	.00079760	.00081812	.00093881
116 MOTOR FRT STR	.02041416	.01836586	.01808009	.02009451	.01824839	.01930805	.01887838	.02054854
117 WATER TRANS	.00378695	.00450637	.00436264	.00389945	.00409868	.00570995	.00506030	.00495595
118 AIR TRANS	.00745099	.00656463	.00681425	.00714998	.00838220	.00657428	.00668599	.00776679
119 PIPELINE TRN	.00228278	.00219602	.00241876	.00203341	.00269301	.00337501	.00317105	.00270231
120 LOC, SUB TRAN	.00083888	.00069842	.00073056	.00078074	.00097599	.00072054	.00074281	.00086126
121 OTH TRAN SER	.00084697	.00088266	.00085814	.00094649	.00091226	.00093023	.00085785	.00103843
122 TELEP, TELEGR	.01204430	.01139692	.01135046	.01267493	.01308633	.01159138	.01135079	.01422927
123 RADIO, TV	.00177688	.00167411	.00169038	.00186041	.00193161	.00165928	.00164454	.00211793
124 OTH COMMUNIC	.00036500	.00031317	.00032907	.00032978	.00040556	.00031314	.00032022	.00036500
125 GAS SERVICES	.09025862	.11562407	.14734471	.05362117	.02806146	.02259774	.02517120	.02604898
126 ELEC SERVICES	.05546127	.05504536	.05570965	.03683848	.03823896	.02688861	.02753589	.03095960
127 WATER, SANI SERV	.00679989	.00613137	.00634667	.00649903	.00751128	.00630335	.00622830	.00721300
128 WHL AUT PT,S	.01454496	.01292708	.01350515	.01581918	.01652763	.01359559	.01437304	.01578178
129 WHL GRO, RELP	.01274285	.01084165	.01129284	.01201977	.01470561	.01120729	.01143259	.01329350
130 WHL FM PROD	.00378246	.00636108	.00396872	.00380570	.00426613	.01212999	.00728288	.00832387
131 WHL LIVESTOC	.00023530	.00021016	.00020613	.00022609	.00026957	.00021339	.00021423	.00024531
132 WHL HAC, EQ,S	.00915674	.01001786	.01010469	.00995855	.00959727	.01127118	.01119852	.01174681
133 WHL PET, PETP	.02042242	.02105999	.01839039	.02162535	.02290231	.02499139	.02339603	.02164673
134 GEN WHL	.04540945	.04302221	.04379755	.04757927	.05093718	.05001163	.04687875	.05297144
135 LUMBER YARDS	.00277937	.00240476	.00249639	.00259981	.00314127	.00245422	.00253535	.00289354
136 FARM EQ DEAL	.00355569	.00440788	.00440422	.00366033	.00360562	.00457319	.00495722	.00437106
137 HDW, HT, E, P, W	.00078057	.00069868	.00071876	.00083931	.00086636	.00072330	.00074900	.00110117
138 DEPT, VAR STO	.01496819	.01251983	.01307648	.01401327	.01739119	.01293933	.01330512	.01543046
139 FOOD STORES	.01824472	.01523235	.01591083	.01703238	.01572325	.01572927	.01618675	.01877756
140 AUTO DEAL, RP	.01717898	.01556993	.01611050	.01592127	.01899420	.01610468	.01642005	.01805600
141 GAS SER STAT	.00470859	.00427540	.00483111	.00507501	.00562388	.00643919	.00624497	.00543328
142 APPRL ACC ST	.00831624	.00692732	.00723092	.00774493	.00968397	.00715049	.00736955	.00853808
143 FURN, HM F, EQ	.00534812	.00445657	.00466097	.00497859	.00621487	.00459765	.00474301	.00548922
144 EAT, DRINK PL	.02007189	.01696566	.01756843	.01875581	.02326084	.01740332	.01786157	.02068873
145 OTHER RETAIL	.01436286	.01231582	.01284964	.01353238	.01650179	.01268345	.01285575	.01502574
146 BANK, CRD AGE	.09101150	.09070319	.08951458	.15035873	.09611580	.08814816	.09281597	.17939344
147 INSURANCE CA	.02795404	.04544753	.02206907	.02621145	.03089370	.02523630	.02398301	.02977387
148 F.I.R.E. NEC	.04817626	.04645304	.04660484	.04723226	.05118361	.04433514	.04339346	.05352221
149 LEGAL SERVIC	.00703571	.00696620	.00708330	.00692477	.00718747	.00632284	.00620640	.00770031
150 LODGING SERV	.00567887	.00505360	.00507794	.00537832	.00645547	.00509823	.00514148	.00591389

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 1 *	* SECTOR 2 *	* SECTOR 3 *	* SECTOR 4 *	* SECTOR 5 *	* SECTOR 6 *	* SECTOR 7 *	* SECTOR 8 *
151 PERSONAL SER	.00826821	.00692246	.00724603	.00771499	.00958281	.00713773	.00734264	.00849383
152 ADVERTISING	.00148986	.00111122	.00112065	.00116883	.00162853	.00116006	.00112634	.00134733
153 DUPL, ADDRESS	.00058301	.00054058	.00055890	.00056680	.00061275	.00048501	.00049361	.00061955
154 PRI EMPL AGE	.00060300	.00054031	.00054360	.00062845	.00067853	.00054160	.00054989	.00069638
155 PHOTO SERVIC	.00247760	.00214782	.00223030	.00242553	.00283197	.00225456	.00229174	.00272897
156 RESRCH, DEVEL	.00012173	.00011949	.00012188	.00012291	.00013444	.00014047	.00013192	.00014479
157 OTHER BUS SE	.00835280	.00847931	.00748629	.00848368	.00872534	.00841700	.00785703	.00959666
158 MTN PCT, AM, R	.00615175	.00514237	.00537157	.00574165	.00714454	.00529952	.00545825	.00633443
159 AUTO RENT SE	.00192227	.00183590	.00188396	.00192559	.00208137	.00194333	.00188942	.00214286
160 AUTO PARKING	.00046063	.00039266	.00040344	.00044418	.00053279	.00039810	.00041039	.00049327
161 ELEC REP SHP	.00858060	.01061427	.01535440	.00569728	.00180408	.00147609	.00181193	.00183298
162 MISC REP SER	.00469389	.00477873	.00476150	.00455642	.00477716	.00459868	.00437418	.00492398
163 PHYS, DENT SE	.01123753	.00942158	.00977696	.01045391	.01307381	.00965349	.00994746	.01153580
164 HOSP, LAB SER	.02612597	.02180554	.02272975	.02430986	.03040786	.02243660	.02312867	.02682308
165 OTH MED SERV	.01158557	.00963252	.01007649	.01077850	.01349487	.00994845	.01025983	.01189353
166 ED(PUB, PRI)	.03065748	.03145957	.03285882	.03522247	.02917368	.02901006	.02791931	.03574855
167 COLL, UNIV	.01441929	.01422920	.01488264	.01527970	.01442893	.01335866	.01304642	.01586882
168 OTH ED SERV	.00204910	.00170562	.00178346	.00190727	.00238571	.00176212	.00181590	.00210534
169 ENG, ARCH SER	.00317396	.00419628	.00342832	.00279107	.00299445	.00277708	.00271289	.00298131
170 COMPU, ACCT SERV	.00900153	.00797655	.00785276	.00919653	.00965589	.00783145	.00777246	.01054362
171 OTH PROF SER	.00010766	.00009975	.00010287	.00011924	.00011333	.00009308	.00009561	.00013368
172 OTHER SERVIC	.01432284	.01238890	.01276363	.01368744	.01633432	.01245193	.01275408	.01516570
173 ORD, ORD ACCS	.00000767	.00000664	.00000693	.00000713	.00000868	.00000675	.00000687	.00000791
174 OUTDOOR REC	.00123207	.00116371	.00124692	.00107551	.00123711	.00099671	.00100353	.00113956
175 SCRAP	.00030150	.00033929	.00033355	.00031403	.00032215	.00037995	.00033134	.00041619
176 HOUSEHOLDS	.74877189	.62247838	.65117769	.69657814	.87223004	.64292665	.66307903	.76864215
TOTAL DIR/IND/IND REQ	3.24720310	3.10202494	3.10416501	3.05986992	3.36149831	3.09625249	2.98241648	3.32065974

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 9 *	* SECTOR 10 *	* SECTOR 11 *	* SECTOR 12 *	* SECTOR 13 *	* SECTOR 14 *	* SECTOR 15 *	* SECTOR 16 *
1 IRR COTTON	.00080685	.00060929	.00109426	.00334272	.00022392	.00022871	.00033712	.00015811
2 IRR FOOD GRAIN	.01848937	.00529383	.00143499	.00308698	.00032125	.00031742	.00041815	.00023766
3 IRR FEED GRAIN	.01689707	.11202801	.02846931	.00589723	.00074488	.00072640	.00081551	.00056090
4 OTHER IRR CROP	.00823512	.00929424	.01529462	.00635306	.00258243	.00251042	.00212827	.00199031
5 DRYLAND COTTON	.00040583	.00031871	.00053065	.00130449	.00013842	.00013813	.00017485	.00009855
6 DRY FOOD GRAIN	.01479063	.00432920	.00098553	.00298392	.00020121	.00017447	.00029948	.00015430
7 DRY FEED GRAIN	.02093709	.02981085	.07776980	.01511843	.00056295	.00055250	.00107744	.00048151
8 OTHER DRY CROP	.05123268	.01540806	.05733258	.00326203	.00169495	.00164789	.00132266	.00118107
9 RANGE LIVESTOCK	1.00801259	.26919953	.00652088	.01054824	.00498153	.00484943	.00406227	.00352857
10 FEEDLOT LVSTK	.00610625	1.00361368	.00563565	.00581300	.00534874	.00520727	.00410753	.00359606
11 DAIRY	.01906368	.00863407	1.02003779	.00197676	.00254719	.00250012	.00186170	.00170499
12 POULTRY,EGGS	.00432849	.00273999	.00524077	1.08472889	.00191143	.00187131	.03936602	.00130085
13 AG SUP EX FMC	.03693604	.04242578	.08745341	.09598097	1.00093088	.00091002	.01558471	.00096108
14 COTTON GINNING	.00014964	.00071518	.00025646	.00055452	.00004584	1.00004634	.00014989	.00012327
15 AGRI SERVICES	.04135971	.02408144	.06134522	.12407169	.00091622	.00103973	1.03829487	.00076886
16 PRIM FORESTRY	.00106706	.00058529	.00067035	.00079469	.00066179	.00145799	.00062876	1.22690303
17 FISHERIES	.00047746	.00028435	.00043225	.00035732	.00042872	.00042225	.00033180	.00029130
18 CRUDE PETRO	.02982375	.02712075	.03581826	.02549736	.03163060	.03715340	.03099309	.01703737
19 NATRL GAS LQDS.	.00226732	.00145782	.00241766	.00178986	.00219280	.00196298	.00264178	.00130517
20 OIL,GAS FLDSV	.00662684	.00576601	.00788616	.00556540	.00695360	.00770060	.00707996	.00370093
21 LIGNITE,OTH MINE	.00284307	.00233630	.00419804	.00284048	.00157653	.00441420	.01157020	.00171905
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00000650	.00000535	.00000628	.00000491	.00000754	.000005924	.00000584	.00001413
24 INDUS CONS	.00000004	.00000004	.00000004	.00000003	.00000005	.00000040	.00000004	.00000009
25 FACILITY CONS	.00002600	.00002133	.00002511	.00001960	.00003014	.00023442	.00002333	.00005604
26 MAINTEN,REPR	.01715859	.01412731	.01659043	.01296060	.01992661	.01565049	.01543220	.03732537
27 MEAT PRODUCTS	.02592250	.01522652	.02363931	.02442837	.02273684	.02209254	.01601154	.01513440
28 POULTRY PROD	.00354420	.00220047	.00405471	.01109314	.00193904	.00189525	.00167050	.00128035
29 DAIRIES	.00639479	.00371986	.00562633	.00396620	.00585773	.00574513	.00401202	.00385706
30 OTH GRAIN MIL	.00289341	.00206231	.00589546	.01344988	.00080681	.00079168	.00110535	.00056568
31 ANIMAL FEEDS	.05570148	.03775477	.08446925	.36722458	.00171878	.00167713	.01425321	.00133723
32 BAKERY PROD	.00416635	.00241772	.00364139	.00254195	.00386174	.00376305	.00264316	.00255773
33 CNND,PSVP,PCK	.00337352	.00196875	.00302603	.00225954	.00305183	.00302112	.00214445	.00202897
34 OTH FOOD PROD	.02204927	.01719833	.02610805	.01919605	.01091589	.01053212	.00806693	.00735207
35 BEVERAGES	.01303320	.00759337	.01145264	.00832384	.01278332	.01166684	.00935720	.00793542
36 TEXTILE MILL	.00183913	.00134967	.00253918	.00939355	.00049858	.00055803	.00081904	.00031027
37 MBWMC FURN	.00441415	.00256890	.00384463	.00265353	.00412817	.00401833	.00281678	.00276050
38 RELATED APPRL	.00076393	.00044879	.00069724	.00056552	.00069457	.00067728	.00049726	.00047895
39 LOGGING	.00061659	.00034813	.00042507	.00053412	.00041148	.00081616	.00043994	.21859605
40 LUMBER MILLS	.00061985	.00031728	.00035172	.00136139	.00036092	.00083758	.00029754	.00034183
41 MILLWORK,WOOD	.00489977	.00261130	.00277928	.00231313	.00280427	.00688473	.00228816	.00219693
42 WOOD FURN,FIX	.00099318	.00062713	.00089174	.00067056	.00094527	.00154870	.00065877	.00078763
43 MET FURN,FIXT	.00040797	.00024537	.00038647	.00029393	.00038295	.00042406	.00025942	.00026223
44 PAPER,PAP MIL	.00149081	.00100290	.00151076	.00273581	.00166434	.00203271	.00167013	.00143466
45 PAP EX BOX,CT	.00142821	.00096868	.00153345	.00143360	.00132870	.00119909	.00179601	.00092600
46 BOXES,PAP CNT	.00252027	.00169561	.00256175	.01293427	.00213456	.00216432	.00254347	.00160888
47 NEWSPAPERS	.00538343	.00339067	.00511196	.00408857	.00850145	.00489391	.00503676	.00425819
48 PUBLISHING	.00053479	.00036935	.00052817	.00043933	.00046433	.00050855	.00053441	.00043818
49 PRINTING	.00269529	.00175979	.00271153	.00235651	.00539768	.00257470	.00242790	.00264533
50 MANFLD BUS FM	.00063842	.00043695	.00061334	.00050379	.00059700	.00067781	.00051878	.00046624

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 9 *	* SECTOR 10 *	* SECTOR 11 *	* SECTOR 12 *	* SECTOR 13 *	* SECTOR 14 *	* SECTOR 15 *	* SECTOR 16 *
51 OTH PRNT,PUBS	.00035525	.00023921	.00033299	.00026452	.00032850	.00033741	.00032892	.00035980
52 CHLOR,ALKALIE	.00174919	.00131328	.00233923	.00233530	.00070766	.00095179	.00693561	.00056386
53 CYCCRD INT,IG	.00099155	.00069942	.00116254	.00094362	.00072320	.00085534	.00269618	.00050238
54 ORG CHEM	.00804659	.00541810	.00945379	.00658092	.00759667	.00835269	.01102657	.00466917
55 INORG CHEM	.00792739	.00633940	.01155019	.00803845	.00141134	.00147615	.04502829	.00107598
56 FIBERS,PLASTI	.00127780	.00084665	.00130277	.00105889	.00155024	.00122644	.00157869	.00087795
57 SYN RUBBER	.00033624	.00020405	.00033092	.00030462	.00020898	.00025263	.00056282	.00021154
58 DRUGS	.00050954	.00032383	.00047635	.00058165	.00043785	.00042478	.00031586	.00029493
59 AGRI CHEMICAL	.03598324	.02982538	.05505527	.03347247	.00195060	.00214804	.23562189	.00181773
60 SPS,CLNS,TOIL	.00132275	.00080155	.00308491	.00124357	.00135561	.00119257	.00113184	.00078701
61 PAINT+VARNISH	.00114235	.00072044	.00105328	.00086007	.00113430	.00245421	.00089874	.00100167
62 OTH CHEMICALS	.00130856	.00085977	.00134812	.00103474	.00125709	.00147237	.00148246	.00143707
63 PETRO REFING	.07886928	.05280921	.09095472	.05441519	.08318668	.05839974	.08258171	.03749113
64 OTH PETRO PRO	.00024649	.00021218	.00029158	.00021581	.00028343	.00113135	.00024855	.00029695
65 TIRES	.00192456	.00114143	.00184132	.00148075	.00118537	.00138886	.00315833	.00119900
66 FAB RUBBER PR	.00024963	.00016084	.00024031	.00019822	.00023752	.00045111	.00023735	.00023348
67 PLASTIC PRODS	.00362859	.00240268	.00369033	.00269403	.00585048	.00317041	.00372330	.00229062
68 LEATHER,L PRD	.00041774	.00024930	.00035540	.00031091	.00039952	.00039690	.00045849	.00024765
69 GLASS	.00124245	.00076493	.00113705	.00086052	.00115855	.00137314	.00100103	.00083683
70 CLAY	.00039778	.00026864	.00037205	.00029485	.00039134	.00156955	.00062258	.00046892
71 CUT ST,CL,SH	.00092441	.00065596	.00092929	.00087327	.00101497	.00214301	.00102063	.00090036
72 CEMENT,CONCRT	.00076519	.00059626	.00075552	.00060028	.00091326	.000509343	.00073850	.00131778
73 BLAST FURNACE	.00080298	.00058410	.00080771	.00073546	.00063082	.00167394	.00185355	.00076792
74 PRI STEEL,IRO	.00037818	.00022270	.00040443	.00026327	.00022397	.00052986	.00033944	.00023917
75 FOUNDRIES	.00052134	.00035871	.00051026	.00047951	.00043094	.00066598	.0006704	.00037923
76 NONFER SMELTG	.00181209	.00143057	.00253982	.00167983	.00047625	.00061038	.00933432	.00047315
77 AL SMLT ROL DR	.00125320	.00086853	.00126862	.00100999	.00117407	.00309048	.00152489	.00120956
78 CAST,FORGINGS	.00011299	.00007931	.00011540	.00010983	.00009541	.00013067	.00018152	.00016121
79 FABRI STEEL	.00035299	.00022289	.00029230	.00024959	.00030187	.00082342	.00042879	.00029377
80 PLATE WORK	.00011853	.00008686	.00013301	.00011929	.00009735	.00025716	.00024136	.00010602
81 SH MET,ARCH	.00237681	.00125122	.00132983	.00105333	.00143715	.00579370	.00132848	.00182422
82 METAL DOORS	.00015226	.00009409	.00013806	.00009847	.00015579	.00026653	.00010596	.00011830
83 FAB MET PROD	.00323737	.00196957	.00306747	.00237843	.00301260	.00325849	.00274582	.00231996
84 PLUMBING	.00027962	.00019185	.00027850	.00022373	.00040642	.00102891	.00028562	.00029645
85 BOLTS,NUTS,SC	.00066703	.00045446	.00066075	.00062271	.00058193	.00089909	.00083498	.00083317
86 ELCTPLT,CT,EN	.00023387	.00013781	.00019239	.00017807	.00016693	.00032199	.00023886	.00017545
87 VALVE,PIPE FT	.00142000	.00099853	.00129978	.00172341	.00102016	.00186190	.00106007	.00077540
88 OTH FAB MET P	.00150613	.00072921	.00086875	.00085694	.00082523	.00081080	.00064247	.00062014
89 FM,CONS,IND M	.00233433	.00198037	.00246056	.00288457	.00032801	.00120488	.01859823	.00048174
90 MTL HDL MC,EQ	.00011931	.00008214	.00014501	.00025108	.00008073	.00010171	.00016849	.00009393
91 MIN MACH,EQUP	.00041617	.00034151	.00049564	.00038811	.00039071	.00053722	.00061592	.00027028
92 ENGINES	.00019484	.00014755	.00022295	.00024614	.00026453	.00035818	.00029506	.00066518
93 METAL WK MACH	.00018131	.00012017	.00017629	.00016617	.00018743	.00026271	.00017512	.00028583
94 IND PROC MACH	.00037306	.00025664	.00040082	.00069888	.00033384	.00029739	.00045912	.00021568
95 GEN IND MACH	.00149106	.00108791	.00166865	.00133414	.00147326	.00129662	.00322274	.00102463
96 REFRIG MACH	.00023383	.00015020	.00022554	.00017486	.00022521	.00051142	.00017621	.00023533
97 COMPU,ACCT MACH	.00081721	.00085947	.00083605	.00072063	.00072132	.00190903	.00135923	.00099655
98 ELEC INST,AP	.00120642	.00093587	.00121769	.00098157	.00136873	.00728301	.00142565	.000205974
99 ELEC HSLD EQ	.00034198	.00021964	.00033529	.00027652	.00058822	.00031402	.00024189	.00057266
100 ELEC COMM EQ	.00096721	.00076577	.00104857	.00074587	.00087923	.00097563	.00087780	.00086215

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 9 *	* SECTOR 10 *	* SECTOR 11 *	* SECTOR 12 *	* SECTOR 13 *	* SECTOR 14 *	* SECTOR 15 *	* SECTOR 16 *
101 OTH ELEC APP	.00056776	.00040464	.00058221	.00044008	.00039354	.00043804	.00045996	.00057822
102 AIRCRAFT	.00001230	.00000764	.00001165	.00000878	.00001118	.00001138	.00001283	.00001030
103 AIRCRAFT ENG	.00003915	.00002463	.00005797	.000011707	.00000101	.00000113	.000097892	.00000082
104 OTH AIRCRAFT	.000006107	.00003712	.00005619	.00004389	.00005623	.00005636	.00006776	.00004641
105 MOTOR VHCL,P	.00842431	.00559542	.00778400	.00514894	.00938666	.00715839	.00468785	.00440214
106 SHIP,BT BLDG	.00041192	.00037329	.00039058	.00027598	.00031994	.00031201	.00032388	.00022289
107 OTH TRANS EQ	.00169369	.00099022	.00147738	.00104776	.00157705	.00152096	.00109349	.00127694
108 SCIENTIF INS	.00009673	.00005907	.00009815	.00007867	.00008952	.00009041	.00006857	.00006095
109 MECH MSRG DV	.00008505	.00006620	.00009696	.00007554	.00007110	.00015642	.00012689	.00007936
110 MEDICAL INST	.00089546	.00053540	.00084490	.00064139	.00083876	.00083210	.00061299	.00061153
111 PHO, TM, OPT I	.00035901	.00022649	.00034019	.00026564	.00037785	.00040499	.00027526	.00029884
112 GAMES, TOYS	.00018081	.00010559	.00015966	.00011213	.00016871	.00016973	.00011533	.00011626
113 OTH MF6 IND	.00137114	.00085570	.00133941	.00111755	.00187831	.00172864	.00112629	.00104638
114 RAIL TRANS	.00807457	.00632162	.00838627	.01284469	.00627936	.00379663	.00535832	.06116461
115 INTERCTY H6Y	.00104496	.00061693	.00091724	.00067437	.00096756	.00093054	.00067039	.00096698
116 MOTOR FRT STR	.02967050	.02179892	.04063801	.02601877	.01762567	.03277910	.02090238	.03440130
117 WATER TRANS	.00469530	.00624067	.00504471	.00365354	.00214025	.00207757	.00497131	.00168985
118 AIR TRANS	.00813346	.00493513	.00729934	.00542146	.00760248	.00760315	.00607106	.00642437
119 PIPELINE TRN	.00195735	.00137426	.00222243	.00151221	.00190175	.00154775	.00250877	.00132176
120 LOC, SUB TRAN	.00095970	.00055650	.00083250	.00057513	.00089699	.00086987	.00061046	.00059545
121 OTH TRAN SER	.00259952	.00195200	.00359966	.01224624	.00068918	.00071259	.00138830	.00129521
122 TELEP, TELEGR	.01335111	.00913974	.01376353	.01164782	.01774616	.01334532	.01245180	.01234082
123 RADIO , TV	.00198962	.00133331	.00198429	.00194669	.00290179	.00185912	.00191870	.00163642
124 OTH COMMUNIC	.00038199	.00023264	.00034564	.00024803	.00037133	.00045018	.00029141	.00027487
125 GAS SERVICES	.02725946	.03255643	.03441678	.02549037	.03057349	.04983319	.02330121	.01670293
126 ELEC SERVICES	.03000335	.025803737	.04829680	.03216518	.03805582	.10011977	.02789846	.01995608
127 WATER, SANI SERV	.00743889	.00477990	.00736933	.00676902	.01096310	.00738996	.00628561	.00557528
128 WHL AUT PT,S	.01611875	.00976114	.01428663	.01025492	.01574379	.01455691	.01087119	.01818505
129 WHL GRO, RELP	.01500043	.00881659	.02025992	.01267775	.01332506	.01289362	.01015245	.00920401
130 WHL FM PROD	.01940162	.04574510	.02275293	.01456005	.00089831	.00090640	.00850103	.00144689
131 WHL LIVESTOC	.00053493	.01467565	.00041855	.00091676	.00023591	.00023038	.00039133	.00018038
132 WHL MAC, EQ, S	.00836839	.00595453	.00839255	.00701263	.00668585	.00636447	.01561642	.03089204
133 WHL PET, PETP	.01908608	.01194239	.02068350	.02043556	.01843116	.02102224	.08547608	.01491379
134 GEN WHL	.05099178	.03270084	.04930771	.03761257	.03865971	.04451284	.04461076	.12094005
135 LUMBER YARDS	.00339447	.00200019	.00302251	.0032763	.00276644	.00311111	.00253504	.00529709
136 FARM EQ DEAL	.00321335	.00211000	.00313523	.00327324	.00184467	.00179817	.01261850	.00250693
137 HDW, HT, E, P, W	.00094530	.00053936	.00075810	.00067818	.00072137	.00090565	.00064142	.00247784
138 DEPT, VAR STO	.01717410	.01000734	.01503015	.01134972	.01585018	.01552015	.01119602	.01587072
139 FOOD STORES	.02097174	.01225179	.01957245	.01339503	.01940647	.01880618	.01364217	.01288506
140 AUTO DEAL, RP	.01779075	.01179006	.01684193	.01478980	.01756074	.01933310	.01785182	.01632542
141 GAS SER STAT	.00440697	.00290806	.00453742	.00274429	.00419144	.00327390	.00310689	.00318013
142 APPRL ACC ST	.00964339	.00559754	.00844044	.00653608	.00887674	.00860081	.00627587	.00586560
143 FURN, HM F, EQ	.00613490	.00355778	.00531579	.00377759	.00569534	.00559310	.00390504	.01778296
144 EAT, DRINK PL	.02313358	.01364913	.02105478	.01554912	.02187106	.02087674	.01559260	.01496744
145 OTHER RETAIL	.01584113	.00934986	.01404572	.00992459	.01472771	.01433985	.01184322	.01614512
146 BANK, CRD AGE	.11405219	.08657030	.10145985	.09046484	.10413573	.11074911	.06036407	.05009264
147 INSURANCE CA	.03987240	.02262924	.03217036	.03041208	.04648804	.05654540	.02528894	.02290968
148 F.I.R.E. NEC	.05180513	.03540222	.05222736	.04245142	.10688907	.05423622	.03953081	.03999365
149 LEGAL SERVIC	.00727067	.00516362	.00737457	.00626724	.00969401	.00765016	.00687935	.00588846
150 LODGING SERV	.00635794	.00387265	.00575543	.00441417	.00665453	.00591248	.00619080	.00486181

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 9 *	* SECTOR 10 *	* SECTOR 11 *	* SECTOR 12 *	* SECTOR 13 *	* SECTOR 14 *	* SECTOR 15 *	* SECTOR 16 *
151 PERSONAL SER	.00940310	.00547550	.00820921	.00567650	.00881321	.00855495	.00612511	.00598784
152 ADVERTISING	.00135448	.00091079	.00142193	.00131683	.00250854	.00380857	.00116819	.00115272
153 DUPL, ADDRESS	.00061187	.00039386	.00056987	.00043979	.00068764	.00068395	.00043992	.00045633
154 PRI EMPL AGE	.00067618	.00042442	.00060910	.00046046	.00066789	.00069149	.00051977	.00044148
155 PHOTO SERVIC	.00277137	.00169191	.00249097	.00182250	.00265416	.00263509	.00197985	.00196555
156 RESRCH, DEVEL	.00012080	.00013815	.00013790	.00015553	.00009173	.00012091	.00016154	.00010722
157 OTHER BUS SE	.00780073	.00551851	.00832441	.00850202	.00916958	.01281840	.02511989	.00646835
158 MTN PCT, AM, R	.00703420	.00409163	.00614229	.00427804	.00658269	.00637743	.00452599	.00447152
159 AUTO RENT SE	.00205341	.00142694	.00221554	.00194616	.00246293	.00201872	.00203406	.00226232
160 AUTO PARKING	.00053052	.00031246	.00046009	.00032352	.00049810	.00048774	.00033538	.00032393
161 ELEC REP SHP	.00226702	.00283892	.00641684	.00191287	.00260937	.00155854	.00178943	.00472031
162 MISC REP SER	.00545420	.00358939	.00760050	.00983127	.00724345	.00399694	.00845975	.01297887
163 PHYS, DENT SE	.01288016	.00746266	.01115276	.00768683	.01205813	.01172259	.00816524	.00794772
164 HOSP, LAB SER	.02991827	.01733294	.02591591	.01783536	.02798676	.02716302	.01898010	.01847606
165 OTH MED SERV	.01326395	.00768082	.01148475	.00788527	.01238280	.01199697	.00839341	.00817664
166 ED (PUB, PRI)	.03394405	.01973233	.03352718	.02895565	.02484597	.02927046	.01763079	.01421728
167 COLL, UNIV	.01479064	.00893547	.01522328	.01242044	.01386985	.01375372	.00882411	.00766318
168 OTH ED SERV	.00234771	.00136670	.00203543	.00139866	.00219188	.00212173	.00148869	.00150873
169 ENG, ARCH SER	.00260857	.00182086	.00292980	.00214568	.00261304	.00377103	.00245531	.00217883
170 COMPU, ACCT SERV	.00914163	.00646732	.00891463	.00762738	.01303213	.01597544	.00886879	.00859173
171 OTH PROF SER	.00012387	.00008089	.00010884	.00009183	.00011250	.00013437	.00008077	.02038298
172 OTHER SERVIC	.01619839	.00979570	.01430925	.01024373	.01562218	.01536014	.01080002	.01090884
173 ORD, ORD ACCS	.00000836	.00000498	.00000738	.00000537	.00000767	.00000801	.00000609	.00000529
174 OUTDOOR REC	.00119136	.00076967	.00112737	.00083114	.00141405	.00132182	.00091257	.00081118
175 SCRAP	.00021475	.00016759	.00025591	.00019937	.00012985	.00016008	.00058352	.00016773
176 HOUSEHOLDS	.85731875	.49641536	.74223001	.50944357	.80033958	.77534227	.54225173	.52842442
TOTAL DIR/IND/IND REQ	3.30518742	2.90076717	3.39206487	3.20577539	2.91754157	3.09274987	2.93116314	2.93878476

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 17 *	SECTOR 18 *	SECTOR 19 *	SECTOR 20 *	SECTOR 21 *	SECTOR 22 *	SECTOR 23 *	SECTOR 24 *
1 IRR COTTON	.00063301	.00017241	.00011892	.00023256	.00022207	.00032602	.00031686	.00038811
2 IRR FOOD GRAIN	.00044015	.00026466	.00017968	.00035593	.00029576	.00029039	.00042665	.00034138
3 IRR FEED GRAIN	.00086933	.00061446	.00040944	.00080537	.00060751	.00062752	.00077492	.00073352
4 OTHER IRR CROP	.00293135	.00214313	.00141871	.00283889	.00206420	.00214254	.00244465	.00248206
5 DRYLAND COTTON	.00034275	.00010969	.00007493	.00014665	.00012622	.00015784	.00017988	.00018609
6 DRY FOOD GRAIN	.00025876	.00014456	.00009797	.00019440	.00016091	.00016355	.00023413	.00024912
7 DRY FEED GRAIN	.00079643	.00047107	.00031365	.00061452	.00047785	.00048483	.00064037	.00056649
8 OTHER DRY CROP	.00181338	.00137998	.00092163	.00178575	.00134689	.00138311	.00156728	.00159382
9 RANGE LIVESTOCK	.00527030	.00409458	.00272529	.00533589	.00401041	.00414217	.00485650	.00482153
10 FEEDLOT LVSTK	.00522111	.00438752	.00292877	.00577604	.00434578	.00449539	.00550772	.00526278
11 DAIRY	.00242626	.00221883	.00143838	.00277719	.00209125	.00209867	.00242130	.00242858
12 POULTRY,EGGS	.00186818	.00158553	.00105087	.00202686	.00154249	.00163081	.00227197	.00190900
13 AG SUP EX FMC	.00169615	.00077398	.00051279	.00100029	.00075934	.00080564	.00110703	.00095105
14 COTTON GINNING	.00032546	.00003586	.00002458	.00004811	.00004353	.00005976	.00006279	.00007065
15 AGRY SERVICES	.00125544	.00075398	.00051791	.00097915	.00075123	.00266295	.01445730	.00397649
16 PRIM FORESTRY	.00281977	.00044835	.00040380	.00061453	.00062415	.00390791	.00186299	.00080199
17 FISHERIES	1.00231493	.00038265	.00024600	.00048353	.00035853	.00035924	.00042858	.00041833
18 CRUDE PETRO	.04615481	1.01972182	.21910770	.02892281	.03335525	.02092219	.02829654	.02403223
19 NATRL GAS LQDS.	.00391859	.00143831	1.00131773	.00219036	.00209900	.00153975	.00220115	.00185102
20 OIL,GAS FLDSV	.01077616	.18867073	.07240160	1.03642487	.00721302	.00451720	.00611018	.00516339
21 LIGNITE,OTH MINE	.00187838	.00113616	.00587439	.00144929	1.00424069	.01017428	.01544881	.01027932
22 RES CONSTRUCT	0.	0.	0.	0.	0.	1.00000309	0.	.00000001
23 COMM,ED,INST	.00002400	.00000401	.00000909	.00000590	.00000797	.00035474	1.00112073	.00150819
24 INDUS CONS	.00000016	.00000003	.00000006	.00000004	.00000005	.00001207	.00000004	1.00000007
25 FACILITY CONS	.00009511	.00001610	.00003611	.00002365	.00003174	.00160019	.00015211	.00729840
26 MAINTEN,REPR	.06339318	.01059576	.02402526	.01559264	.02105667	.01248626	.01453485	.01703976
27 MEAT PRODUCTS	.02135153	.01876577	.01242892	.02430459	.01800974	.01847485	.02033427	.02139028
28 POULTRY PROD	.00178185	.00166117	.00108063	.00207776	.00155113	.00156008	.00171313	.00179347
29 DAIRIES	.00543103	.00516926	.00332000	.00639121	.00476896	.00474830	.00516697	.00547775
30 OTH GRAIN MIL	.00096513	.00067369	.00044844	.00088596	.00076264	.00069706	.00087593	.00081272
31 ANIMAL FEEDS	.00208401	.00141732	.00094196	.00182434	.00138173	.00143460	.00178993	.00166735
32 BAKERY PROD	.00357744	.00324581	.00213294	.00413891	.00309210	.00313932	.00340078	.00361993
33 CNND,PSVP,PCK	.00329135	.00294661	.00181918	.00358410	.00258503	.00250938	.00271951	.00292610
34 OTH FOOD PROD	.02432904	.00888755	.00590423	.01144883	.00866874	.00877248	.00962937	.01008217
35 BEVERAGES	.01100587	.00978138	.00651671	.01263777	.00947502	.00970925	.01069417	.01118032
36 TEXTILE MILL	.00232398	.00033087	.00023527	.00045194	.00065618	.00144598	.00080668	.00174439
37 MBWMC FURN	.00376577	.00331899	.00224021	.00451625	.00324759	.00335473	.00363760	.00408365
38 RELATED APPRL	.00781785	.00055240	.00037356	.00072354	.00054974	.00059918	.00064220	.00067601
39 LOGGING	.00149970	.00028188	.00024505	.00038914	.00038041	.00222599	.00113614	.00050215
40 LUMBER MILLS	.00063662	.00039466	.00027589	.00040260	.00044736	.02255254	.00558898	.00064926
41 MILLWORK,WOOD	.01470337	.00175439	.00170488	.00244838	.00242300	.00526305	.00524170	.00324737
42 WOOD FURN,FIX	.00107671	.00077207	.00057108	.00051506	.00084791	.00252548	.00112226	.00091732
43 MET FURN,FIXT	.00035559	.00048442	.00027825	.00051506	.00046790	.00057347	.00169418	.00066416
44 PAPER,PAP MIL	.00168014	.00113820	.00087472	.00149503	.00134270	.00177491	.00178864	.00160569
45 PAP EX BOX,CT	.00121921	.00137605	.00074442	.00128505	.00128562	.00181917	.00176071	.00135745
46 BOXES,PAP CNT	.00248257	.00167504	.00120063	.00224335	.00198917	.00212179	.00280854	.00269451
47 NEWSPAPERS	.00475041	.00379084	.00258951	.00524563	.00396090	.00534063	.00453559	.00462763
48 PUBLISHING	.00050313	.00041462	.00027831	.00055830	.00046051	.00048587	.00059250	.00057217
49 PRINTING	.00268061	.00160397	.00160397	.00326160	.00228396	.00253032	.00253851	.00264376
50 MANFLD BUS FM	.00061810	.00084635	.00075794	.00106953	.00067268	.00071675	.00058292	.00060864

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 17 *	* SECTOR 18 *	* SECTOR 19 *	* SECTOR 20 *	* SECTOR 21 *	* SECTOR 22 *	* SECTOR 23 *	* SECTOR 24 *
51 OTH PRNT,PUBS	.00034586	.00026918	.00018026	.00036918	.00030273	.00038692	.00038566	.00041283
52 CHLOR,ALKALIE	.00081433	.00061830	.00152604	.00103483	.00519753	.00117404	.00119812	.00752293
53 CYCCRD INT,IG	.00095844	.00050592	.00046905	.00076275	.00100763	.00179919	.00150922	.00116715
54 ORG CHEM	.01397118	.00603886	.00508412	.00834111	.00910960	.00592534	.00866708	.00779030
55 INORG CHEM	.00200156	.00161310	.00100397	.00153575	.00142483	.00178245	.00237174	.00187298
56 FIBERS,PLASTI	.00129314	.00085470	.00063962	.00121343	.00169276	.00204267	.00304272	.00289764
57 SYN RUBBER	.00027346	.00014444	.00011013	.00022872	.00082430	.00020252	.00028316	.00024975
58 DRUGS	.00040783	.00035620	.00024110	.00048154	.00037222	.00038427	.00039116	.00044766
59 AGRICHEMICAL	.00312225	.00152309	.00103646	.00202330	.00150853	.00407865	.00485535	.00284182
60 SPS,CLNS,TOIL	.00146727	.00093839	.00093262	.00131336	.00121527	.00140484	.00136074	.00123469
61 PAINT,VARNISH	.00190505	.00094978	.00097649	.00121753	.00113788	.00346883	.00403513	.00333620
62 OTH CHEMICALS	.00224688	.00201886	.00136817	.00674656	.02441311	.00151532	.00199312	.00157808
63 PETRO REFING	.17809741	.04415531	.05127012	.07453479	.07833771	.04284343	.05080063	.04753443
64 OTH PETRO PRD	.00047492	.00017943	.00024329	.00025347	.00320904	.00285045	.00855653	.00512916
65 TIRES	.00146194	.00080839	.00060044	.00128322	.00501899	.00104746	.00138265	.00132062
66 FAB RUBBER PR	.00030564	.00019265	.00017446	.00027685	.00242220	.00035319	.00047122	.00055368
67 PLASTIC PRD	.00300952	.00252815	.00172385	.00347587	.00316154	.00343623	.00481957	.01021281
68 LEATHER,L PRD	.00036012	.00027697	.00019802	.00036347	.00028971	.00066270	.00686190	.00367274
69 GLASS	.00120544	.00092129	.00064613	.00119621	.00094405	.00179651	.00153097	.00255459
70 CLAY	.00075143	.00027305	.00034125	.00037315	.00221603	.00398628	.00989009	.00700726
71 CUT ST,CL,SH	.00129134	.00063955	.00061673	.00091470	.00441853	.00717691	.01250643	.00980970
72 CEMENT,CONCRT	.00221378	.00102993	.00100337	.00078853	.00205695	.04817628	.08079350	.04111134
73 BLAST FURNACE	.00414077	.00062509	.00070588	.00091306	.00829034	.00537852	.02451573	.01047537
74 PRI STEEL,IRO	.00034855	.00025397	.00026475	.00036350	.00102287	.00132469	.00246125	.00221079
75 FOUNDRIES	.00057925	.00044119	.00045051	.00073160	.00243170	.00091139	.00189997	.00456108
76 NONFER SMELTG	.00071713	.00037284	.00031222	.00057169	.00099555	.00090965	.00379546	.00477795
77 AL SMLT ROL DR	.00275548	.00086770	.00093674	.00130573	.00335174	.00405841	.00951025	.00489586
78 CAST,FORGINGS	.00012575	.00013148	.00008218	.00024964	.00080759	.00026635	.00037643	.00042647
79 FABRI STEEL	.00080429	.00021507	.00021523	.00034703	.00131687	.02406563	.02458795	.02146238
80 PLATE WORK	.00018198	.00007587	.00008987	.00012116	.00024795	.00078482	.01080426	.00036513
81 SH MET,ARCH	.00282540	.00108295	.00126677	.00167552	.00230185	.00856723	.02706192	.03046681
82 METAL DOORS	.00017908	.00011668	.00009288	.00015463	.00012830	.00263066	.03382649	.00278144
83 FAB MET PROD	.00318111	.00249286	.00180834	.00331327	.00306280	.00377739	.01003268	.01168225
84 PLUMBING	.00045301	.00022350	.00021821	.00031238	.00031064	.00180712	.00583782	.00323975
85 BOLTS,NUTS,SC	.00084175	.00047454	.00033554	.00069776	.00085173	.00193157	.00545459	.00379735
86 ELCTPLT,CT,EN	.00022932	.00015907	.00016449	.00032809	.00414811	.00040275	.00071648	.00796852
87 VALVE,PIPE FT	.00137538	.00115176	.00090662	.00220239	.00298129	.00492743	.01070447	.05132642
88 OTH FAB MET P	.00084381	.00069183	.00047894	.00120287	.00069967	.00081250	.00254444	.00084453
89 FM,CONS,IND M	.00077071	.00023361	.00031339	.00032552	.00753366	.00258924	.00416770	.00231534
90 MTL HDL MC,EQ	.00013165	.00008410	.00011233	.00020242	.00713553	.00015904	.00022562	.00086171
91 MIN MACH,EQU	.00056423	.00071502	.00316929	.01913346	.01952050	.00069692	.00185374	.00343446
92 ENGINES	.00026805	.00020246	.00022638	.00043060	.01003081	.00029280	.00100136	.00039628
93 METAL WK MACH	.00020608	.00013560	.00010423	.00019312	.00029049	.00051893	.00071838	.00065399
94 IND PROC MACH	.00061162	.00021344	.00392621	.00031090	.00038856	.00044564	.00039849	.00100919
95 GEN IND MACH	.00189168	.00112157	.00078295	.00158657	.00651688	.00181186	.00225998	.00507627
96 REFRIG MACH	.00031273	.00022844	.00019825	.00028625	.00025916	.00240112	.00579370	.01080702
97 COMPU,ACCT MACH	.00128312	.00071778	.00069800	.00129757	.00946209	.00219410	.00208290	.00350118
98 ELEC INST,AP	.00324482	.00090673	.00137577	.00151234	.00646896	.00286075	.00411677	.00601442
99 ELEC HSLD EQ	.00032865	.00029408	.00021441	.00051586	.00029379	.00041172	.00076214	.00207719
100 ELEC COMM EQ	.00111453	.00256341	.01063547	.01119042	.00099920	.00147063	.00115751	.00111063

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 17 *	SECTOR 18 *	SECTOR 19 *	SECTOR 20 *	SECTOR 21 *	SECTOR 22 *	SECTOR 23 *	SECTOR 24 *
101 OTH ELEC APP	.00046146	.00038690	.00034522	.00069696	.00263260	.00039369	.00049605	.00045140
102 AIRCRAFT	.00001888	.00001196	.00000742	.00002042	.00001218	.00001147	.00001525	.00001610
103 AIRCRAFT ENG	.00000133	.00000083	.00000057	.00000109	.00000090	.00000265	.00001387	.00000404
104 OTH AIRCRAFT	.00008926	.00006730	.00003926	.00011027	.00006739	.00005516	.00005828	.00008610
105 MOTOR VHCL,P	.00539667	.00459478	.00318271	.00630504	.00091852	.00646291	.00703094	.00681151
106 SHIP,BT BLDG	.04096228	.00036137	.00021692	.00042540	.00086333	.00028166	.00033697	.00032816
107 OTH TRANS EQ	.00144799	.00124972	.00084495	.00163663	.00176093	.00130281	.00144735	.00150340
108 SCIENTIF INS	.00008074	.00016445	.00009273	.00023447	.00014260	.00007542	.00008900	.00009734
109 MECH MSRG DV	.00013059	.00006238	.00005296	.00008678	.00020440	.00050487	.00060232	.00259210
110 MEDICAL INST	.00077328	.00099080	.00057724	.00110928	.00098615	.00073795	.00076581	.00088846
111 PHO,TH,OPT I	.00037438	.00035994	.00021912	.00050013	.00044444	.00037741	.00032782	.00046244
112 GAMES,TOYS	.00015540	.00014737	.00009593	.00018525	.00014354	.00016850	.00077969	.00016212
113 OTH MFG IND	.00125287	.00104487	.00070041	.00141432	.00113057	.00191474	.00163836	.00180797
114 RAIL TRANS	.00507756	.00359840	.00221148	.00416603	.01009173	.00721161	.01318909	.01122647
115 INTERCTY HGY	.00088129	.00076172	.00051354	.00099374	.00078921	.00080676	.00090911	.00093250
116 MOTOR FRT STR	.01899079	.01386842	.01096860	.02122199	.02827549	.02122442	.03080810	.03756733
117 WATER TRANS	.01049782	.00529375	.00266044	.00535973	.02298642	.00252002	.00357460	.00304026
118 AIR TRANS	.01257391	.00862654	.00511551	.01474077	.00829157	.00760976	.00738153	.01124667
119 PIPELINE TRN	.00378719	.00114153	.00117127	.00190403	.00223822	.00184668	.00198269	.00171276
120 LOC,SUB TRAN	.00081606	.00071362	.00048156	.00093360	.00070140	.00073415	.00078710	.00083133
121 OTH TRAN SER	.00085106	.00071604	.00042860	.00086722	.00179789	.00073733	.00104464	.00110559
122 TELEP,TELEGR	.01325240	.01026499	.00736382	.01677428	.01186020	.01431959	.01306388	.01293160
123 RADIO , TV	.00177453	.00134612	.00092036	.00195722	.00149569	.00192229	.00169233	.00172323
124 OTH COMMUNIC	.00037678	.00050127	.00032904	.00159132	.00029718	.00208511	.00182672	.00099429
125 GAS SERVICES	.02366368	.01851365	.01457747	.02588944	.03106417	.02220778	.02769996	.02580075
126 ELEC SERVICES	.02578495	.02483264	.02332764	.03283814	.03737756	.02531870	.02883081	.02909741
127 WATER,SANI SERV	.00705730	.00568959	.00396285	.00831607	.01023643	.00721068	.00707107	.00722825
128 WHL AUT PT,S	.01826116	.01156270	.00801682	.01579824	.01210066	.01180399	.01364046	.01355594
129 WHL GRO,RELP	.01410900	.01082961	.00722444	.01417026	.01051513	.01096982	.01258036	.01239884
130 WHL FM PROD	.01895353	.00074020	.00051604	.00103795	.00088057	.00091658	.00125216	.00107630
131 WHL LIVESTOC	.00090741	.00019282	.00012906	.00025232	.00019459	.00019986	.00023588	.00023448
132 WHL MAC,EO,S	.01440670	.01027299	.00933467	.03095235	.00721374	.00740551	.01257977	.00854939
133 WHL PET,PETP	.03759040	.01253091	.00851222	.02024143	.01115271	.01242766	.01655393	.01345875
134 GEN WHL	.04282132	.02878587	.02090491	.04031306	.03976271	.06101802	.06329319	.04064115
135 LUMBER YARDS	.00314675	.00221977	.00156926	.00305498	.00288024	.00422982	.00643679	.00266587
136 FARM EQ DEAL	.00294548	.00152536	.00118496	.00228692	.00146921	.00155644	.00205965	.00177665
137 HDW,HT,E,P,W	.00095420	.00062416	.00045184	.00085277	.00063883	.00066493	.00210641	.00078919
138 DEPT,VAR STO	.01533725	.01263545	.00865175	.01667174	.01250897	.01298044	.01681176	.01497276
139 FOOD STORES	.01931484	.01555520	.01049320	.02082303	.01516267	.01570292	.01719740	.01796638
140 AUTO DEAL,RP	.02234478	.01358554	.01024476	.02384928	.01874941	.01423182	.01640720	.01644834
141 GAS SER STAT	.00403487	.00281183	.00192455	.00372375	.00271686	.00285043	.00395151	.00327577
142 APPRL ACC ST	.00842517	.00705337	.00475704	.00917719	.00692935	.00716189	.00780952	.00821094
143 FURN,HH F,EO	.00570838	.00452818	.00309851	.00593167	.00449168	.00480287	.00551217	.00537914
144 EAT,DRINK PL	.02058916	.01748091	.01170280	.02528751	.01689462	.01816076	.01957072	.02173823
145 OTHER RETAIL	.01913454	.01186646	.00797265	.01590143	.01153619	.01236309	.01433765	.01394842
146 BANK,CRD AGE	.09733688	.05730480	.03918980	.10244026	.08411812	.07752813	.06634315	.06976393
147 INSURANCE CA	.07028534	.02034650	.01363273	.03177960	.02911452	.02480188	.04562781	.04428097
148 F.I.R.E. NEC	.05256091	.05311633	.03260337	.07988893	.05697272	.06012520	.04914031	.05678450
149 LEGAL SERVIC	.00839872	.00711689	.00431222	.01002077	.00643473	.00817873	.00835459	.00776574
150 LODGING SERV	.00680887	.00572204	.00356920	.00950480	.00478469	.00609309	.00606878	.00632959

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 17 *	SECTOR 18 *	SECTOR 19 *	SECTOR 20 *	SECTOR 21 *	SECTOR 22 *	SECTOR 23 *	SECTOR 24 *
151 PERSONAL SER	.00809611	.00707649	.00477785	.00950668	.00694587	.00762574	.00781277	.00828475
152 ADVERTISING	.00123065	.00110972	.00077051	.00226264	.00106376	.00138167	.00156398	.00146746
153 DUPL, ADDRESS	.00058107	.00064176	.00037434	.00087892	.00050463	.00064810	.00063328	.00069164
154 PRI EMPL AGE	.00085125	.00050043	.00035286	.00075447	.00060721	.00099257	.00060236	.00069686
155 PHOTO SERVIC	.00256642	.00202937	.00140561	.00285777	.00216046	.00295996	.00235838	.00258257
156 RESRCH, DEVEL	.00014553	.00007274	.00005998	.00011227	.00013936	.00013255	.00042714	.00054817
157 OTHER BUS SE	.00763793	.00706302	.00587364	.01271030	.00620055	.18359333	.00743545	.03881601
158 MTN PCT, AM, R	.00602828	.00527576	.00354578	.00695350	.00519827	.00539563	.00581625	.00614391
159 AUTO RENT SE	.00209626	.00209415	.00129194	.00391632	.00191069	.00255540	.00300996	.00231778
160 AUTO PARKING	.00045966	.00038543	.00026009	.00051059	.00038803	.00040157	.00043200	.00045507
161 ELEC REP SHP	.00755733	.00144675	.00099339	.00256216	.00137215	.00177895	.00174050	.00160468
162 MISC REP SER	.00703768	.00993777	.01177847	.04356873	.009344460	.00416199	.00519801	.00455756
163 PHYS, DENT SE	.01104524	.00970571	.00651898	.01321529	.00939571	.00973034	.01060248	.01115603
164 HOSP, LAB SER	.02550189	.02220232	.01497404	.02898013	.02183524	.02274809	.02455858	.02590680
165 OTH MED SERV	.01123939	.00984009	.00663608	.01280317	.00966388	.00998232	.01086330	.01144063
166 ED (PUB, PRI)	.02385682	.05653093	.02587054	.04559065	.03048439	.01828130	.02204656	.02174368
167 COLL, UNIV	.01167077	.02569402	.01297727	.02321117	.02388256	.00949764	.01312019	.01272466
168 OTH ED SERV	.00199377	.00174111	.00117403	.00226770	.00171472	.00176985	.00192191	.00202382
169 ENG, ARCH SER	.00288359	.00589044	.00309008	.00575387	.02851904	.00630663	.00362927	.03852013
170 COMPU, ACCT SERV	.01437802	.00812842	.00528660	.01749986	.01236537	.00974710	.00952025	.00937450
171 OTH PROF SER	.00014189	.00010568	.00006126	.00013034	.00009517	.00016342	.00012489	.00010906
172 OTHER SERVIC	.01455544	.01349387	.00886861	.02078680	.01391927	.01370428	.01580041	.01573601
173 ORD, ORD ACCS	.00000741	.00000633	.00000463	.00000861	.00001093	.00000751	.00001346	.00001692
174 OUTDOOR REC	.00113260	.00265694	.00145872	.00245533	.00252547	.00101594	.00137305	.00134197
175 SCRAP	.00019729	.00010535	.00008443	.00016719	.00024504	.00028614	.00079794	.00061400
176 HOUSEHOLDS	.72637444	.63593862	.42886688	.82722826	.62436135	.64451588	.70183697	.73913066
TOTAL DIR/IND/IND REQ	3.09591573	2.64745019	2.32295455	3.08466909	2.76246028	2.85982854	3.01916659	3.03936194

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 25 *	SECTOR 26 *	SECTOR 27 *	SECTOR 28 *	SECTOR 29 *	SECTOR 30 *	SECTOR 31 *	SECTOR 32 *
1 IRR COTTON	.00027625	.00029809	.00054252	.00186470	.00071514	.00037077	.00938044	.00055865
2 IRR FOOD GRAIN	.00034186	.00036268	.00466469	.00182367	.00113435	.18986996	.00850261	.01643462
3 IRR FEED GRAIN	.00068921	.00076180	.02886234	.00338776	.01085282	.00347814	.01610184	.00115306
4 OTHER IRR CROP	.00232894	.00260207	.00595095	.00434590	.00758069	.00218096	.01499813	.00300106
5 DRYLAND COTTON	.00015339	.00016529	.00030250	.00075385	.00040254	.00022938	.00359160	.00039770
6 DRY FOOD GRAIN	.00020332	.00020605	.00360495	.00166056	.00070354	.06413381	.00839401	.00560566
7 DRY FEED GRAIN	.00054588	.00059385	.01126552	.00819016	.02883085	.07989367	.04306149	.00753960
8 OTHER DRY CROP	.00148392	.00166887	.01314973	.00231275	.02188306	.00122956	.00725226	.00186492
9 RANGE LIVESTOCK	.00447022	.00499168	.22827589	.00742304	.00523376	.00380423	.02401291	.00536641
10 FEEDLOT LVSTK	.00492640	.00545576	.23192981	.00518628	.00554424	.00446384	.00981895	.00601374
11 DAIRY	.00227321	.00252559	.01317452	.00193250	.37244047	.00184845	.00227628	.00552037
12 POULTRY,EGGS	.00173785	.00193463	.00422560	.55450359	.00289577	.00222978	.01702429	.00173134
13 AG SUP EX FMC	.00086480	.00095650	.01698393	.04939258	.03242130	.01649782	.04748666	.00257329
14 COTTON GINNING	.00005353	.00005808	.00024111	.00031331	.00015710	.00007511	.00151496	.00011601
15 AGR SERVICES	.00233673	.00198858	.01344889	.06374253	.02294450	.02612933	.00898277	.00328756
16 PRIM FORESTRY	.00112381	.00530566	.00090503	.00142939	.00018669	.00080776	.00063827	.00165225
17 FISHERIES	.00039366	.00043220	.00487025	.00041230	.00068826	.00040788	.00043915	.00044884
18 CRUDE PETRO	.03214532	.02583359	.02985453	.02556278	.03843630	.03846339	.02748854	.02962414
19 NATRL GAS LQDS.	.00234426	.00195864	.00241929	.00174692	.00276250	.00236155	.00214680	.00236957
20 OIL,GAS FLDSV	.00710610	.00557408	.00655089	.00549212	.00836089	.00821678	.00599968	.00638398
21 LIGNITE,OTH MINE	.08879304	.00938166	.00205462	.00220405	.00290577	.00328986	.00208058	.00193395
22 RES CONSTRUCT	.00000089	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00098464	.00038390	.00000575	.00000684	.00000619	.00000582	.00000513	.00000663
24 INDUS CONS	.00000351	.00000256	.00000004	.00000005	.00000004	.00000004	.00000003	.00000004
25 FACILITY CONS	1.00073856	.00151748	.00002291	.00002725	.00002474	.00002321	.00002047	.00002644
26 MAINTEN,REPR	.01559665	1.01421285	.01517810	.01807374	.01635997	.01537523	.01354471	.01750224
27 MEAT PRODUCTS	.01960746	.02214010	1.13969494	.02085077	.01930641	.01496895	.04133184	.02333656
28 POULTRY PROD	.00166538	.00187766	.00527703	1.01373008	.00236177	.00121851	.02960803	.00156540
29 DAIRIES	.00505560	.00566870	.00420271	.00396986	1.01593957	.00372579	.00358339	.01367621
30 OTH GRAIN MIL	.00077585	.00084991	.00195679	.00758531	.00400331	1.00101862	.03792967	.08494910
31 ANIMAL FEEDS	.00153979	.00172082	.02180884	.19327226	.03164838	.00153022	1.06306311	.00185638
32 BAKERY PROD	.00332434	.00374735	.00270054	.00257096	.00314659	.00239004	.00231018	1.04088050
33 CNND,PSVP,PCK	.00267530	.00295535	.00810719	.00294485	.00607158	.00290762	.00216695	.00306990
34 OTH FOOD PROD	.00934484	.01055490	.01491952	.01403456	.02355442	.01457525	.04154960	.03552189
35 BEVERAGES	.01032494	.01171737	.00817635	.00827280	.01024966	.00805277	.00809275	.01016778
36 TEXTILE MILL	.00083813	.00093241	.00096238	.00511801	.00126191	.00066970	.02653509	.00047685
37 MBWMC FURN	.00355589	.00401888	.00275826	.00271696	.00327233	.00252874	.00244569	.00331446
38 RELATED APPRL	.00060959	.00068992	.00052834	.00053301	.00061227	.00907187	.00074912	.00129389
39 LOGGING	.00067746	.00286054	.00070511	.00085001	.00069952	.00060298	.00048272	.00137315
40 LUMBER MILLS	.00109879	.00386330	.00037293	.00088534	.00036471	.00031247	.00026591	.00056045
41 MILLWORK,WOOD	.00463193	.02513036	.00274244	.00625532	.00275089	.00259511	.00210226	.00237750
42 WOOD FURN,FIX	.00157190	.00529826	.00065168	.00066232	.00076578	.00061108	.00058127	.00074485
43 MET FURN,FIXT	.00051977	.00066994	.00025618	.00027186	.00032348	.00025905	.00022980	.00029011
44 PAPER,PAP MIL	.00168459	.00684073	.00342619	.00237631	.00401282	.00282547	.00153368	.02136316
45 PAP EX BOX,CT	.00147697	.00177281	.00220963	.00385202	.00272126	.01215710	.00217276	.00857956
46 BOXES,PAP CNT	.00228539	.00306730	.01523879	.00890617	.01881715	.00619943	.00283377	.14466814
47 NEWSPAPERS	.00478170	.00514613	.00401457	.00389123	.00566869	.00355412	.00379517	.00484277
48 PUBLISHING	.00049859	.00058823	.00043245	.00041448	.00053321	.00064428	.00049659	.00055833
49 PRINTING	.00255438	.00255772	.00210213	.00210323	.00271666	.00328704	.00215336	.00320282
50 MANFLD BUS FM	.00075443	.00073956	.00049206	.00049531	.00058782	.00058780	.00053290	.00062053

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 25 *	* SECTOR 26 *	* SECTOR 27 *	* SECTOR 28 *	* SECTOR 29 *	* SECTOR 30 *	* SECTOR 31 *	* SECTOR 32 *
51 OTH PRNT,PUBS	.00035177	.00040822	.00030553	.00028765	.00033953	.00032903	.00027825	.00037626
52 CHLOR,ALKALIE	.00144808	.00181661	.00115249	.00169473	.00149058	.00168093	.00358322	.00146101
53 CYCCRO INT,IG	.00135727	.00230434	.00118135	.00091813	.00152541	.00124785	.00103538	.00181600
54 ORG CHEM	.00952484	.00839998	.00827020	.00634216	.01056173	.00853881	.00734175	.01152933
55 INORG CHEM	.00185399	.00178264	.00409581	.00474970	.00571221	.00815599	.00556752	.00575649
56 FIBERS,PLASTI	.00274576	.00240621	.00140226	.00108771	.00330945	.00138598	.00121399	.00227060
57 SYN RUBBER	.00032840	.00034912	.00027244	.00027146	.00030211	.00026563	.00034991	.00030799
58 DRUGS	.00038852	.00042819	.00033715	.00044655	.00038079	.00027418	.00112560	.00037963
59 AGRIC CHEMICAL	.00217390	.00218654	.01414400	.01786926	.02121163	.03741235	.01371085	.00502781
60 SPS,CLNS,TOIL	.00118832	.00117972	.00111631	.00104611	.00213422	.00089560	.00082607	.00115080
61 PAINT+VARNISH	.00258660	.01108954	.00090136	.00088314	.00105298	.00082255	.00075665	.00169512
62 OTH CHEMICALS	.00379671	.00324698	.00131526	.00109362	.00217036	.00132470	.00106930	.00197947
63 PETRO REFING	.08290118	.05275433	.05582224	.04638033	.07659705	.06652836	.05292797	.05647876
64 OTH PETRO PRD	.02967971	.00538234	.00022425	.00024569	.00029051	.00025741	.00021931	.00026072
65 TIRES	.00180743	.00141880	.00125556	.00133183	.00142359	.00126246	.00117538	.00115753
66 FAB RUBBER PR	.00057347	.00181649	.00026850	.00021765	.00028401	.00024876	.00022566	.00026576
67 PLASTIC PRODS	.00541984	.00458358	.00266052	.00250806	.01411061	.00245541	.00250457	.00469883
68 LEATHER,L PRD	.00105409	.00079775	.00027747	.00027643	.00032230	.00040222	.00036407	.00033338
69 GLASS	.00139510	.00317248	.00127662	.00091002	.00143098	.00096378	.00092256	.00130023
70 CLAY	.00286205	.00897051	.00028812	.00032278	.00032845	.00028207	.00025208	.00033147
71 CUT ST,CL,SH	.00717908	.01029284	.00077908	.00091822	.00092355	.00075093	.00123272	.00095349
72 CEMENT,CONCRT	.04211929	.03167195	.00071385	.00076451	.00079085	.00070776	.00064048	.00088169
73 BLAST FURNACE	.06093693	.00833003	.00076604	.00069583	.00089918	.00085208	.00067059	.00101696
74 PRI STEEL,IRO	.01023326	.00242592	.00029591	.00024769	.00038779	.00026282	.00025552	.00042590
75 FOUNDRIES	.00164907	.00197587	.00053024	.00046896	.00065711	.00054203	.00047043	.00078928
76 NONFER SMELTG	.00122795	.00143790	.00121484	.00114274	.00154165	.00203277	.00109165	.00124461
77 AL SMLT ROL DR	.00681287	.01555559	.00133633	.00113286	.00154371	.00162602	.00115780	.00187273
78 CAST,FORGINGS	.00029215	.00037495	.00012523	.00010449	.00014237	.00013881	.00010960	.00018024
79 FABRI STEEL	.00437151	.00415259	.00034954	.00027280	.00036385	.00032544	.00028565	.00047724
80 PLATE WORK	.00100505	.00126962	.00014216	.00011698	.00015260	.00013936	.00015188	.00019994
81 SH MET,ARCH	.00718347	.03328884	.00147966	.00122600	.00138719	.00120049	.00113571	.00163067
82 METAL DOORS	.00121352	.00100834	.00010343	.00010247	.00012076	.00009625	.00008979	.00011949
83 FAB MET PROD	.00438073	.00567045	.00254885	.00297438	.00301354	.00240865	.00221896	.00331868
84 PLUMBING	.00140327	.00452552	.00022087	.00023142	.00027562	.00021428	.000221545	.00026216
85 BOLTS,NUTS,SC	.00154693	.00206740	.00063259	.00056911	.00071965	.00103601	.00057971	.00088256
86 ELCTPLT,CT,EN	.00081677	.00132046	.00021334	.00017445	.00022458	.00018596	.00018635	.00026323
87 VALVE,PIPE FT	.00933078	.00459248	.00105758	.00131266	.00132172	.00128037	.00092441	.00119993
88 OTH FAB MET P	.00092141	.00107077	.00100012	.00072552	.00092679	.00062265	.00055165	.00072921
89 FM,CONS,IND M	.00312269	.00665229	.00103704	.00168322	.00118936	.00216031	.00084975	.00052215
90 MTL HDL MC,EQ	.00073548	.00020104	.00012326	.00041908	.00015368	.00010785	.00052391	.00033019
91 MIN MACH,EQU	.00294170	.00081977	.00048287	.00038244	.00057435	.00055299	.00042605	.00043117
92 ENGINES	.00120270	.00063439	.00021241	.00020252	.00029197	.00030967	.00020564	.00021401
93 METAL WK MACH	.00045491	.00090118	.00017564	.00014606	.00020082	.00019534	.00015621	.00017567
94 IND PROC MACH	.00037266	.00049207	.00065366	.00054068	.00231792	.00043517	.00098279	.00295834
95 GEN IND MACH	.00248808	.00208849	.00127428	.00120427	.00155538	.00144578	.00130282	.00227950
96 REFRIG MACH	.00165297	.00232431	.00018064	.00017632	.00024182	.00017469	.00016680	.00022020
97 COMPU,ACCT MACH	.00558869	.00936690	.00104824	.00076094	.00102165	.00097353	.00080940	.00128754
98 ELEC INST,AP	.00444843	.04412740	.00110980	.00116168	.00120231	.00114472	.00096662	.00129992
99 ELEC HSLD EQ	.00054689	.00040845	.00024095	.00026098	.00028652	.00021525	.00027421	.00028923
100 ELEC COMM EQ	.00118882	.00168276	.00082350	.00071587	.00100774	.00100693	.00072713	.00100454

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 25 *	SECTOR 26 *	SECTOR 27 *	SECTOR 28 *	SECTOR 29 *	SECTOR 30 *	SECTOR 31 *	SECTOR 32 *
101 OTH ELEC APP	.00062095	.00041476	.00046832	.00041366	.00055566	.00048868	.00044311	.00054404
102 AIRCRAFT	.00001340	.00001333	.00001636	.00000917	.00001786	.00001494	.00000879	.00001212
103 AIRCRAFT ENG	.00000238	.00000207	.00001321	.00006020	.00002176	.00002474	.00000857	.00000324
104 OTH AIRCRAFT	.00006023	.00006302	.00004696	.00004286	.00005296	.00004401	.00003973	.00005504
105 MOTOR VHCL,P	.00657068	.00749068	.00526071	.00508203	.00613514	.00676800	.00473526	.00566572
106 SHIP,BT BLDG	.00041268	.00034337	.00047406	.00028176	.00040220	.00040042	.00025838	.00030978
107 OTH TRANS EQ	.00143627	.00155719	.00106816	.00105347	.00127773	.00102723	.00094906	.00129196
108 SCIENTIF INS	.00008647	.00008408	.00006743	.00006759	.00008810	.00007244	.00005592	.00008042
109 MECH MSRG DV	.00045775	.00068469	.00009306	.00007619	.00011390	.00009940	.00008448	.00010787
110 MEDICAL INST	.00077519	.00081064	.00058133	.00061013	.00072761	.00058105	.00053613	.00069253
111 PHO, TM, OPT I	.00036421	.00035553	.00025185	.00025134	.00032164	.00025261	.00023123	.00032768
112 GAMES, TOYS	.00019335	.00011465	.00011465	.00011596	.00013984	.00010580	.00010053	.00013552
113 OTH MFG IND	.00148652	.00175263	.00262060	.00103431	.00127557	.00092576	.00096337	.00317546
114 RAIL TRANS	.01293240	.00845580	.00451618	.00803173	.00768331	.01554013	.00624563	.00757986
115 INTERCTY HBY	.00087837	.00097060	.00064745	.00066374	.00079019	.00096633	.00059999	.00081981
116 MOTOR FRT STR	.03684122	.03591863	.03591863	.03462568	.03453847	.03094463	.03068783	.02534278
117 WATER TRANS	.00656393	.00314270	.00333382	.00286182	.00534883	.00822260	.00324691	.00298594
118 AIR TRANS	.00802073	.00848694	.00557365	.00554555	.00704562	.00589557	.00537613	.00760412
119 PIPELINE TRN	.00259905	.00188081	.00155551	.00148842	.00389525	.00174330	.00161111	.00173013
120 LOC, SUB TRAN	.00076781	.00087162	.00059395	.00058892	.00070911	.00054843	.00053267	.00071409
121 OTH TRAN SER	.00100191	.00092153	.00183885	.01360694	.00262814	.00489976	.03397202	.00346877
122 TELEP, TELEGR	.01453488	.01401726	.01091258	.01138378	.01411789	.01064177	.01051168	.01364654
123 RADIO, TV	.00180215	.00183664	.00644487	.00188669	.00444384	.00411024	.00257410	.00754368
124 OTH COMMUNIC	.00180894	.00103417	.00028943	.00026268	.00034851	.00026136	.00023794	.00035285
125 GAS SERVICES	.02812633	.02653177	.02544592	.02706155	.03583916	.04121591	.02504043	.02965716
126 ELEC SERVICES	.03169121	.02954062	.02583538	.03204374	.03402956	.03546091	.02877760	.03358960
127 WATER, SANI SERV	.00909978	.00781857	.00668040	.00890593	.00852680	.00556613	.00867653	.00909539
128 WHL AUT PT,S	.01537732	.01475516	.01018596	.01039776	.01333790	.01008795	.01009213	.01215088
129 WHL GRO, RELP	.01188240	.01306187	.03308268	.05625243	.06879906	.00843321	.01921799	.02811924
130 WHL FM PROD	.00117275	.00114243	.01476785	.00939760	.01602224	.06284201	.01501899	.01107127
131 WHL LIVESTOC	.00022096	.00024297	.00845289	.00056079	.00031692	.00017411	.00119160	.00027904
132 WHL MAC, EQ, S	.01067781	.00930611	.00630380	.00667398	.01004766	.00681999	.00551087	.00786435
133 WHL PET, PETP	.02115731	.01534512	.01183437	.01553975	.01799094	.01296845	.01206669	.01419107
134 GEN WHL	.05741172	.07185839	.03381884	.03416238	.05025734	.03437740	.03468301	.06427656
135 LUMBER YARDS	.00448683	.00556005	.00235685	.00294686	.00275354	.00184414	.00232562	.00334709
136 FARM EQ DEAL	.00183121	.00194282	.00172464	.00231638	.00212276	.00214761	.00155248	.00185158
137 HDW, HT, E, P, W	.00190784	.00209497	.00057080	.00060117	.00068282	.00051000	.00046312	.00079097
138 DEPT, VAR STO	.01624025	.01668180	.01123571	.01119169	.01287887	.00985212	.01249949	.01967482
139 FOOD STORES	.01671499	.01891361	.01783581	.01566459	.01970299	.01193903	.01404752	.02209939
140 AUTO DEAL, RP	.01966007	.01866787	.01325217	.01385244	.02168031	.01351584	.01951961	.01932943
141 GAS SER STAT	.00681432	.00439126	.00298053	.00265426	.00472178	.00325112	.00260858	.00445172
142 APPRL ACC ST	.00758441	.00862676	.00594083	.00627211	.00707780	.00541621	.00764891	.00731776
143 FURN, HM F, EQ	.00535743	.00603403	.00382584	.00387287	.00453338	.00350284	.00368144	.00485613
144 EAT, DRINK PL	.01911567	.02145767	.02832162	.01566736	.01975275	.01349544	.01737996	.02171976
145 OTHER RETAIL	.01411620	.01583552	.01076428	.01018750	.01211647	.00938824	.00934935	.01958601
146 BANK, CRD AGE	.09386090	.07452859	.06916317	.07347541	.07412009	.05906341	.06094223	.05697208
147 INSURANCE CA	.04238189	.03348889	.02723148	.02482426	.02735732	.02322728	.02560765	.02511183
148 F. I. R. E. NEC	.07227144	.06127717	.03805063	.03938902	.04986143	.03644970	.03650849	.04834267
149 LEGAL SERVIC	.00910067	.00985919	.00591351	.00596686	.00744947	.00578559	.00675134	.00673782
150 LODGING SERV	.00601794	.00673895	.00434814	.00433218	.00555059	.00427406	.00424895	.00588944

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 25 *	SECTOR 26 *	SECTOR 27 *	SECTOR 28 *	SECTOR 29 *	SECTOR 30 *	SECTOR 31 *	SECTOR 32 *
151 PERSONAL SER	.00766564	.00869372	.00652232	.00587646	.00734284	.00544309	.00523595	.00717130
152 ADVERTISING	.00147376	.00189946	.00126933	.00122810	.00260234	.00663905	.00170392	.00342483
153 DUPL, ADDRESS	.00062112	.00060024	.00042517	.00042361	.00053698	.00052008	.00041451	.00054980
154 PRI ENPL AGE	.00064978	.00066190	.00044779	.00044954	.00063036	.00042017	.00041560	.00054068
155 PHOTO SERVIC	.00245469	.00258682	.00180668	.00179528	.00241052	.00189348	.00169025	.00222719
156 RESRCH,DEVEL	.00038747	.00032510	.00021013	.00016401	.00041790	.00011005	.00028709	.00018248
157 OTHER BUS SE	.01928524	.01407052	.00562703	.00742515	.00770408	.00655945	.00680271	.00862930
158 MTN PCT,AM,R	.00567529	.00641608	.00480444	.00436936	.00531259	.00405411	.00401266	.00550662
159 AUTO RENT SE	.00456365	.00367397	.00201929	.00200774	.00298548	.01547841	.00256409	.00928113
160 AUTO PARKING	.00042811	.00047438	.00032819	.00032578	.00038867	.00030154	.00029048	.00038728
161 ELEC REP SHP	.00150779	.00166725	.00186883	.00162075	.00341963	.00291003	.00169279	.00179926
162 MISC REP SER	.00676855	.00554695	.00496337	.00796763	.00575889	.00478112	.01872446	.01144058
163 PHYS,DENT SE	.01032315	.01168145	.00796576	.00787397	.00952205	.00733895	.00702926	.00956767
164 HOSP,LAB SER	.02393021	.02713730	.01863369	.01829082	.02211161	.01705641	.01631420	.02228563
165 OTH MED SERV	.01057489	.01202368	.00842356	.00162075	.00978911	.00754020	.00721289	.00982491
166 ED(PUB,PRI)	.02301527	.02180401	.01857288	.02218354	.01229430	.02186290	.01594640	.01816698
167 COLL,UNIV	.01269102	.01229028	.00897981	.01040292	.01229430	.01012837	.00821619	.00962061
168 OTH ED SERV	.00187316	.00212793	.00145161	.00143577	.00173222	.00134699	.00127979	.00178143
169 ENG,ARCH SER	.00950129	.00409730	.00197946	.00208231	.00342239	.00242098	.00195769	.00237153
170 COMPU,ACCT SERV	.0118589	.01112630	.00756814	.00743374	.00863047	.00676228	.00702581	.01263665
171 OTH PROF SER	.00011411	.00018179	.00039480	.00009555	.00011234	.00009142	.00008464	.00010958
172 OTHER SERVIC	.01506306	.01687032	.01049189	.01045653	.01392368	.00983019	.00942315	.01237613
173 ORD,ORD ACCS	.00000958	.00001113	.00000565	.00000546	.00000680	.00000533	.00000498	.00000714
174 OUTDOOR REC	.00132890	.00127350	.00083514	.00082547	.00109092	.00109053	.00079164	.00099710
175 SCRAP	.00048720	.00038653	.00019449	.00021048	.00068268	.00023194	.00021365	.00024367
176 HOUSEHOLDS	.68316493	.77691841	.52868198	.52337590	.63063406	.48720784	.46570835	.63481364
TOTAL DIR/IND/IND REQ	3.07382891	3.05239079	3.14675796	3.34875077	3.32485032	2.85758676	2.70058232	3.00393652

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 33 *	* SECTOR 34 *	* SECTOR 35 *	* SECTOR 36 *	* SECTOR 37 *	* SECTOR 38 *	* SECTOR 39 *	* SECTOR 40 *
1 IRR COTTON	.00036672	.01174434	.00138447	.13131778	.00424837	.00150639	.00019810	.00013042
2 IRR FOOD GRAIN	.00466463	.00598081	.00119366	.00057050	.00030279	.00032700	.00030366	.00020044
3 IRR FEED GRAIN	.00083214	.00052055	.00067737	.00103109	.00060824	.00059176	.00085600	.00044923
4 OTHER IRR CROP	.14835342	.01332535	.00316357	.00216243	.00194748	.00188110	.00352243	.00157220
5 DRYLAND COTTON	.00021981	.00937022	.00105691	.03779671	.00128449	.00050267	.00012390	.00008159
6 DRY FOOD GRAIN	.00167459	.00079851	.00037965	.00039205	.00016251	.00017467	.00016576	.00011119
7 DRY FEED GRAIN	.00252380	.00122611	.00167346	.00083968	.00048112	.00049309	.00052328	.00034744
8 OTHER DRY CROP	.02822726	.00851021	.00182313	.00218232	.00129032	.00122170	.00150225	.00097834
9 RANGE LIVESTOCK	.00445131	.00313697	.00364561	.02093588	.00435379	.00390396	.00451352	.00293458
10 FEEDLOT LVSTK	.00533769	.00349201	.00450709	.00577606	.00430211	.00426556	.00490812	.00318600
11 DAIRY	.00220862	.00170544	.00176960	.00233988	.00195385	.00188482	.00228501	.00148247
12 POULTRY,EGGS	.00182690	.00067949	.00117268	.00183114	.00144000	.00137898	.00168631	.00109700
13 AG SUP EX FMC	.00794872	.00245452	.00094212	.00691576	.00090769	.00076657	.00089694	.00058081
14 COTTON GINNING	.00008862	.00246715	.00028803	.01963836	.00064540	.00023684	.00004658	.00003668
15 AGRI SERVICES	.01190772	.00308351	.00101745	.00885146	.00094975	.00076858	.00093453	.00058170
16 PRIM FORESTRY	.00147093	.00039607	.00174193	.00061186	.00055354	.00823117	.07798181	.13284494
17 FISHERIES	.07605925	.00020337	.00038821	.00038653	.00033720	.00033329	.00038512	.00024781
18 CRUDE PETRO	.03932175	.01453738	.03066724	.03230840	.02102860	.02403696	.02071469	.01666380
19 NATRL GAS LQDS.	.00273962	.00106038	.00222407	.00167371	.00148111	.00177094	.00168822	.00111027
20 OIL,GAS FLOSV	.00841529	.00307020	.00654480	.00668071	.00447175	.00516863	.00450404	.00352604
21 LIGNITE,OTH MINE	.00297035	.00093746	.00201430	.00283634	.00124887	.00153760	.00147736	.00141083
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00000855	.00000251	.00000485	.00000583	.00000378	.00000443	.00001763	.00001585
24 INDUS CONS	.00000006	.00000002	.00000003	.00000004	.00000003	.00000003	.00000012	.00000011
25 FACILITY CONS	.00003400	.00001001	.00004560	.00002327	.00001515	.00001771	.00006993	.00006283
26 MAINTEN,REPR	.02259376	.00663164	.01273579	.01539057	.00997823	.01169815	.04656554	.04188167
27 MEAT PRODUCTS	.01658165	.01369363	.01370296	.01805232	.01666164	.01564614	.02013876	.01297241
28 POULTRY PROD	.00130136	.00052319	.00105048	.00157048	.00141836	.00132992	.00169102	.00109783
29 DAIRIES	.00431279	.00383168	.00346875	.00468357	.00430268	.00402100	.00513408	.00331094
30 OTH GRAIN MIL	.02274986	.01087236	.00292817	.00068582	.00064671	.00065240	.00075602	.00049290
31 ANIMAL FEEDS	.00152571	.00079405	.00112094	.00240566	.00133117	.00125560	.00153812	.00101131
32 BAKERY PROD	.00241542	.00102243	.00214473	.00306486	.00282338	.00264668	.00341019	.00219496
33 CNND,PSVP,PCK	1.00211604	.00116272	.00267450	.00247469	.00227527	.00211418	.00272442	.00172837
34 OTH FOOD PROD	.01029273	1.01361008	.10474350	.00877060	.00793134	.00747915	.00951703	.00618220
35 BEVERAGES	.00802135	.00335343	1.03598673	.00949674	.00875480	.00827540	.01051967	.00681870
36 TEXTILE MILL	.00060500	.00021941	.00038116	1.04194464	.03256279	.01065153	.00039802	.00025720
37 HBWMC FURN	.00257521	.00103476	.00217873	.00325701	1.00511819	.00296299	.00371679	.00236840
38 RELATED APPRL	.00120575	.00029633	.00051093	.00054941	.00091292	1.00625253	.00062790	.00040703
39 LOGGING	.00118199	.00032422	.00114134	.00037175	.00043450	.00419442	1.42294408	.07497081
40 LUMBER MILLS	.00047677	.00014500	.00039585	.00028539	.00025566	.00089208	.00037028	1.03932544
41 MILLWORK,WOOD	.00333556	.00091537	.00702517	.00267170	.00205432	.04517545	.00275899	.01041765
42 WOOD FURN,FIX	.00066348	.00024556	.00055585	.00071488	.00067205	.00069755	.00105262	.00068100
43 MET FURN,FIXT	.00026469	.00009855	.00027697	.00030123	.00026848	.00025911	.00032885	.00021356
44 PAPER,PAP MIL	.01167906	.00259482	.00536305	.00135714	.00159610	.00168867	.00158607	.00149222
45 PAP EX BOX,CT	.00297065	.00571730	.00183328	.00341903	.00124575	.00401178	.00109445	.00071331
46 BOXES,PAP CNT	.03618601	.00876913	.02053268	.00187972	.00368682	.00200243	.00198855	.00445748
47 NEWSP,APERS	.00365786	.00133898	.00391006	.00386240	.00390415	.00375707	.00613288	.00331599
48 PUBLISHING	.00103608	.00015949	.00171258	.00167267	.00356624	.00130203	.00051786	.00046632
49 PRINTING	.00249660	.00085818	.00590773	.00215939	.00256294	.00212490	.00288325	.00177828
50 MANFLD BUS FM	.00048785	.00017768	.00047131	.00047913	.00041726	.00047263	.00057974	.00036619

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 33 *	* SECTOR 34 *	* SECTOR 35 *	* SECTOR 36 *	* SECTOR 37 *	* SECTOR 38 *	* SECTOR 39 *	* SECTOR 40 *
51 OTH PRNT,PUBS	.00033053	.00012754	.00049432	.00078011	.00048201	.00038529	.00039852	.00023496
52 CHLOR,ALKALIE	.00187624	.00047470	.00411864	.00133847	.00060015	.00125763	.00068795	.00048430
53 CYCCRD INT,IG	.00159881	.00053602	.00211145	.00105468	.00064120	.00154299	.00075352	.00051499
54 ORG CHEM	.00983934	.00354058	.01089239	.01026516	.00498913	.00958142	.00565044	.00382332
55 INORG CHEM	.00568139	.00170520	.00224574	.00409761	.00121490	.00143367	.00127418	.00091784
56 FIBERS,PLASTI	.00259912	.00078058	.00480260	.00103650	.00114101	.01474951	.00110674	.00076014
57 SYN RUBBER	.00029418	.00010203	.00034010	.00438286	.00028692	.00022987	.00022865	.00013144
58 DRUGS	.00151977	.00011405	.00025928	.00034773	.00037216	.00030559	.00040668	.00025091
59 AGRI CHEMICAL	.01896998	.00550117	.00187929	.01667069	.00190082	.00150816	.00182998	.00114254
60 SPS,CLNS,TOIL	.00092339	.00042883	.00102457	.00109549	.00093954	.00088683	.00101533	.00065690
61 PAINT,VARNISH	.00170243	.00037890	.00351395	.00086871	.00079021	.00079697	.00130389	.00094879
62 OTH CHEMICALS	.00227192	.00084059	.00154457	.00108000	.00086966	.00196085	.00104429	.00095691
63 PETRO REFING	.05907701	.01894677	.04581321	.04917728	.03570728	.04062106	.04278328	.02832101
64 OTH PETRO PRD	.00029365	.00011009	.00023815	.00031541	.00018455	.00019654	.00036642	.00032941
65 TIRES	.00126154	.00043992	.00115502	.00094243	.00078710	.00083554	.00128832	.00070958
66 FAB RUBBER PR	.00047653	.00011022	.00272984	.00019435	.00023533	.00022990	.00025634	.00019183
67 PLASTIC PRODS	.00550886	.00234869	.00675628	.00258049	.00252396	.00296080	.00279413	.00188677
68 LEATHER,L PRD	.00042001	.00010043	.00034626	.00027112	.00067328	.00058001	.00031702	.00021354
69 GLASS	.05661582	.00204760	.05660553	.00093945	.00089863	.00088118	.00105505	.00070994
70 CLAY	.00049556	.00011953	.00039342	.00031294	.00024619	.00025355	.00059402	.00048730
71 CUT ST,CL,SH	.00091869	.00044490	.00088108	.00081025	.00067412	.00080933	.00103911	.00081086
72 CEMENT,CONCRT	.00097368	.00030534	.00071025	.00069128	.00053741	.00058313	.00164855	.00143402
73 BLAST FURNACE	.00228223	.00037050	.00101828	.00064877	.00052647	.00082237	.00077308	.00082826
74 PRI STEEL,IRO	.00078098	.00013768	.00098101	.00020728	.00022533	.00069829	.00025700	.00036218
75 FOUNDRIES	.00148026	.00022619	.00351117	.00042922	.00036625	.00066275	.00042767	.00056616
76 NONFER SMELTG	.00165039	.00049834	.00128447	.00107138	.00046458	.00173179	.00051528	.00035926
77 AL SMLT ROL DR	.00286190	.00055430	.00809619	.00105053	.00092882	.04060333	.00149787	.00116966
78 CAST,FORGINGS	.00017357	.00006185	.00028771	.00008125	.00008448	.00021275	.00009480	.00007413
79 FABRI STEEL	.00052132	.00014052	.00066308	.00025481	.00021771	.00029216	.00035789	.00027991
80 PLATE WORK	.00036241	.00005798	.00028832	.00009075	.00011384	.00021377	.00013305	.00010058
81 SH MET,ARCH	.00178759	.00052019	.00242477	.00120302	.00104390	.00135484	.00233245	.00183912
82 METAL DOORS	.00015647	.00003847	.00009075	.00011640	.00010627	.00010014	.00015454	.00010977
83 FAB MET PROD	.02941745	.00099484	.14485138	.00235189	.00220091	.00241753	.00261481	.00195392
84 PLUMBING	.00025255	.00008665	.00022608	.00022633	.00018215	.00022419	.00037426	.00028931
85 BOLTS,NUTS,SC	.00187725	.00029267	.00518206	.00049950	.00052698	.003234666	.00056008	.00042613
86 ELCTPLT,CT,EN	.00352748	.00007851	.00105151	.00014259	.00013226	.00040145	.00027923	.00014086
87 VALVE,PIPE FT	.00136839	.00046656	.00124407	.00108124	.00079101	.00085553	.00084768	.00069427
88 OTH FAB MET P	.04376678	.00024573	.00076106	.00062258	.00060321	.00061708	.00068470	.00044688
89 FM,CONS,IND M	.00096986	.00027984	.00027292	.00079837	.00023952	.00025379	.00053830	.00042711
90 MTL HDL MC,EQ	.00017298	.00005051	.00012459	.00007231	.00006262	.00010250	.00009751	.00028443
91 MIN MACH,EQU	.00061674	.00021961	.00048791	.00040981	.00030217	.00042249	.00030714	.00024382
92 ENGINES	.00026699	.00014684	.00022775	.00014142	.00013433	.00019202	.00017859	.00017192
93 METAL WK MACH	.00044406	.00008951	.00019587	.00013721	.00012853	.00033508	.00016803	.00013416
94 IND PROC MACH	.00160056	.00034087	.00236591	.00037038	.00039480	.00040679	.00025830	.00812766
95 GEN IND MACH	.00156206	.00058100	.00125513	.00120014	.00110258	.00245798	.00119256	.00086834
96 REFRIG MACH	.00020740	.00007764	.00030835	.00017709	.00018042	.00021236	.00030209	.00020696
97 COMPU,ACCT MACH	.00119117	.00038877	.00138513	.00072179	.00059338	.01245692	.00100060	.00079440
98 ELEC INST,AP	.00146207	.00047637	.00107756	.00124366	.00090858	.00117820	.00240041	.00206086
99 ELEC HSLD EQ	.00023419	.00008397	.00021446	.00025031	.00022474	.00022935	.00112122	.00035868
100 ELEC COMM EQ	.00083235	.00032678	.00094348	.00083327	.00071026	.00080058	.00080567	.00054146

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 33 *	SECTOR 34 *	SECTOR 35 *	SECTOR 36 *	SECTOR 37 *	SECTOR 38 *	SECTOR 39 *	SECTOR 40 *
101 OTH ELEC APP	.00066656	.00018611	.00048375	.00033781	.00029477	.00035434	.00034495	.00025905
102 AIRCRAFT	.00001904	.00000694	.00001561	.00001138	.00000951	.00001041	.00001148	.00000782
103 AIRCRAFT ENG	.00001137	.00000295	.00000117	.00000847	.00000100	.00000084	.00000101	.00000064
104 OTH AIRCRAFT	.00005417	.00001903	.00004892	.00005695	.00004851	.00004863	.00005350	.00003609
105 MOTOR VHCL,P	.00503872	.00193001	.00402535	.00527903	.00426889	.00426168	.00541551	.00351237
106 SHIP,BT BLDG	.00331850	.00011294	.00021896	.00027279	.00026107	.00026614	.00028174	.00020267
107 OTH TRANS EQ	.00101405	.00042817	.00086810	.00124219	.00115023	.00114604	.00148710	.00092274
108 SCIENTIF INS	.00007203	.00002744	.00008735	.00007177	.00006200	.00006064	.00007272	.00004591
109 MECH MSRG DV	.00011918	.00004327	.00010141	.00006025	.00006473	.00008955	.00008498	.00006504
110 MEDICAL INST	.00065260	.00024926	.00076929	.00068380	.00061478	.00057946	.00073017	.00045806
111 PHO, TM, OPT I	.00024522	.00010202	.00029894	.00038659	.00027966	.00027424	.00034900	.00020326
112 GAMES, TOYS	.00010632	.00004276	.00009761	.00013408	.00021568	.00011703	.00014995	.00009667
113 OTH MFG IND	.00182821	.00050684	.00181083	.00106881	.000753189	.00115029	.00127168	.00079923
114 RAIL TRANS	.00583732	.00826810	.00655372	.00477533	.00398634	.00746833	.00680470	.00849414
115 INTERCTY HGY	.00062155	.00028695	.00056732	.00076095	.00070066	.00069366	.00087502	.00058931
116 MOTOR FRT STR	.02799743	.01309079	.01927176	.01719527	.01928681	.02190399	.02450156	.01537890
117 WATER TRANS	.00334659	.00150690	.00235219	.00237344	.00251012	.00299661	.00184284	.00187963
118 AIR TRANS	.00613614	.00224596	.00577865	.00789123	.00674674	.00664451	.00733988	.00496147
119 PIPELINE TRN	.00212533	.00065130	.00195558	.00125809	.00241242	.00275987	.00152986	.00099691
120 LOC, SUB TRAN	.00055298	.00022385	.00047558	.00010308	.00066124	.00061584	.00079325	.00051203
121 OTH TRAN SER	.00083486	.00043448	.00138585	.00065002	.00263581	.00100022	.00068586	.00051869
122 TELEP, TELEGR	.01068289	.00374961	.01013228	.01114944	.01053111	.01200703	.01354111	.00875632
123 RADIO, TV	.00150706	.00086173	.001191024	.00137746	.00135659	.00197740	.00248546	.00128061
124 OTH COMMUNIC	.00025769	.00009961	.00078335	.00029693	.00027879	.00027972	.00036531	.00023633
125 GAS SERVICES	.03966979	.01599495	.03111058	.04300066	.02361768	.02502698	.02545226	.01920154
126 ELEC SERVICES	.02964550	.01262673	.03079986	.026179107	.02811195	.02865234	.02507661	.02678152
127 WATER, SANI SERV	.00812333	.00309218	.00760794	.00909045	.00657859	.00643586	.00676887	.00491614
128 WHL AUT PT,S	.01022388	.00390265	.00828998	.01140100	.01050451	.01096897	.01572534	.01319211
129 WHL GRO, RELP	.01438365	.00492178	.02301399	.01058855	.00983091	.00936931	.01260197	.00784570
130 WHL FM PROD	.00531391	.00191513	.00146607	.00757581	.00147263	.00145124	.00105672	.00073241
131 WHL LIVESTOC	.00025467	.00013067	.00017199	.00021581	.00020825	.00020727	.00021261	.00013963
132 WHL MAC, EQ,S	.01301793	.00265502	.00613865	.00639122	.00647202	.01157675	.01819030	.02070478
133 WHL PET, PETP	.01335671	.00445973	.01013586	.01205053	.01025586	.00985224	.02550642	.00920600
134 GEN WHL	.05274506	.01339703	.03241345	.03070447	.03293413	.04396625	.11934131	.07809263
135 LUMBER YARDS	.00230537	.00078387	.00199252	.00221226	.00224928	.00203297	.00823585	.00346329
136 FARM EQ DEAL	.00184250	.00059106	.00108846	.00176246	.00137298	.00132204	.00435098	.00172592
137 HDW, HT, E, P, W	.00211988	.00020554	.00047193	.00059267	.00055532	.00065542	.00371371	.00149982
138 DEPT, VAR STO	.01400641	.00418048	.00913544	.01251325	.01154546	.01142116	.02322832	.01218443
139 FOOD STORES	.01255704	.00549393	.01623222	.01530563	.01411403	.01336954	.01722092	.01116022
140 AUTO DEAL, RP	.01171993	.00447671	.01273759	.01303810	.01163323	.01189511	.02471953	.01375223
141 GAS SER STAT	.00287995	.00105757	.00253586	.00307279	.00251364	.00258270	.00662591	.00315059
142 APPRL ACC ST	.00553747	.00221652	.00465629	.00699063	.00644739	.00612119	.00777716	.00505002
143 FURN, HM F, EQ	.00425025	.00144189	.00307318	.00449267	.00414476	.00432556	.03113550	.01034274
144 EAT, DRINK PL	.01392835	.00583068	.01897737	.01714550	.01642721	.01535086	.01972471	.01272613
145 OTHER RETAIL	.01120977	.00400187	.00928426	.01191649	.01068770	.01065054	.05083733	.01081126
146 BANK, CRD AGE	.06632862	.02080240	.04534466	.05954054	.05468690	.09639879	.07301516	.04408229
147 INSURANCE CA	.02199455	.00662128	.02109672	.02504477	.01792764	.02328285	.04720401	.02865012
148 F. I. R. E. NEC	.03895200	.01403914	.05087279	.03833327	.06427434	.04202952	.05443191	.03133995
149 LEGAL SERVIC	.00670506	.00276271	.00620572	.00646745	.00681383	.00686015	.00736037	.00455511
150 LODGING SERV	.00465923	.00178927	.00424075	.00590787	.00495651	.00459397	.00600115	.00393940

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 33 *	SECTOR 34 *	SECTOR 35 *	SECTOR 36 *	SECTOR 37 *	SECTOR 38 *	SECTOR 39 *	SECTOR 40 *
151 PERSONAL SER	.00562256	.00230738	.00487315	.00695379	.00645593	.00613518	.00847301	.00558582
152 ADVERTISING	.00175087	.00258876	.03474559	.00128309	.00168768	.00145695	.00140570	.00086241
153 DUPL, ADDRESS	.00041963	.00020889	.00112464	.00047532	.00046162	.00048262	.00065272	.00036810
154 PRI EMPL AGE	.00050020	.00017813	.00042644	.00055135	.00051970	.00055578	.00059850	.00036636
155 PHOTO SERVIC	.00181170	.00075534	.00266830	.00211757	.00220024	.00209028	.00255928	.00153014
156 RESRCH, DEVEL	.00019193	.00009681	.00021347	.00134186	.00060548	.00034524	.00011178	.00008311
157 OTHER BUS SE	.00628601	.00228753	.00568312	.00507928	.00802194	.00587438	.00985402	.00426111
158 MTN PCT, AM, R	.00413758	.00165683	.00378885	.00518058	.00485994	.00526643	.00598262	.00379362
159 AUTO RENT SE	.00564926	.00105877	.00276191	.00388884	.00212414	.00212557	.00282501	.00295773
160 AUTO PARKING	.00030596	.00012156	.00025789	.00038375	.00035267	.00034383	.00043684	.00028068
161 ELEC REP SHP	.00227111	.00073713	.00110976	.00218443	.00120325	.00117668	.00287184	.00172997
162 MISC REP SER	.00655394	.00232055	.00888550	.00657996	.00467136	.00355879	.05975999	.00751160
163 PHYS, DENT SE	.00741661	.00318267	.00633456	.00945800	.00871733	.00820674	.01060144	.00687134
164 HOSP, LAB SER	.01720098	.00695842	.01470439	.02200967	.02027229	.01907447	.02461383	.01592132
165 OTH MED SERV	.00761519	.00308156	.00644865	.00974680	.00899628	.00845136	.01084534	.00704094
166 ED (PUB, PRI)	.01994941	.00750821	.02030700	.02447098	.02053092	.01797999	.01836743	.01200782
167 COLL, UNIV	.00940273	.00356672	.01176825	.01048495	.00917391	.00891001	.01006411	.00655679
168 OTH ED SERV	.00134967	.00054855	.00116408	.00172508	.00159022	.00149761	.00192452	.00125291
169 ENG, ARCH SER	.00227898	.00089794	.00246714	.00256737	.00352130	.00247663	.00225651	.00185593
170 COMPU, ACCT SERV	.00725881	.00299223	.00624732	.01895731	.00781110	.00902639	.01093936	.00588020
171 OTH PROF SER	.00009480	.00014117	.00023755	.00008460	.00008278	.00025851	.00137566	.00225301
172 OTHER SERVIC	.00985654	.00395079	.00940393	.01230971	.01286468	.01214158	.01407922	.00891853
173 ORD, ORD ACCS	.00000759	.00000219	.00001175	.00000625	.00000570	.00000611	.00000684	.00000512
174 OUTDOOR REC	.00086228	.00034664	.00123546	.00111788	.00112557	.00089869	.00105963	.00067965
175 SCRAP	.00035198	.00010189	.00038192	.00014207	.00044393	.00070487	.00016991	.00012837
176 HOUSEHOLDS	.49202805	.19901215	.41568785	.62987065	.58087905	.54615490	.70078343	.45506685
TOTAL DIR/IND/IND REQ	2.87981183	1.63551567	2.62278242	2.78876472	2.37501644	2.52006640	3.37038680	2.44158154

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 41 *	SECTOR 42 *	SECTOR 43 *	SECTOR 44 *	SECTOR 45 *	SECTOR 46 *	SECTOR 47 *	SECTOR 48 *
1 IRR COTTON	.00031061	.00238149	.00106625	.00019578	.00020758	.00017002	.00080217	.00030115
2 IRR FOOD GRAIN	.00049723	.00195529	.00033461	.00030016	.00032529	.00026266	.00132204	.00036800
3 IRR FEED GRAIN	.00069633	.00198349	.00050251	.00056910	.00059403	.00050888	.00141079	.00073072
4 OTHER IRR CROP	.00194919	.00346585	.00149557	.00188545	.00204803	.00191592	.00268479	.00269645
5 DRYLAND COTTON	.00018611	.00103920	.00036992	.00012030	.00012891	.00010467	.00047350	.00013769
6 DRY FOOD GRAIN	.00029495	.00109481	.00012692	.00015823	.00016415	.00014090	.00058835	.00016780
7 DRY FEED GRAIN	.00064523	.00210919	.00044926	.00046332	.00048612	.00040993	.00146198	.00057583
8 OTHER DRY CROP	.00117054	.00222188	.00093165	.00118424	.00120546	.00107913	.00171703	.00144154
9 RANGE LIVESTOCK	.00391530	.00934225	.00317344	.00360886	.00371994	.00328117	.00680042	.00466002
10 FEEDLOT LVSTK	.00484473	.01373533	.00364823	.00404444	.00424004	.00366649	.00981745	.00535004
11 DAIRY	.00191720	.00426809	.00153066	.00183079	.00186392	.00165017	.00319446	.00226296
12 POULTRY,EGGS	.00134004	.00262758	.00109265	.00134152	.00136499	.00122106	.00201946	.00163774
13 AG SUP EX FMC	.00080327	.00187561	.00061797	.00118809	.00074003	.00068979	.00134337	.00087515
14 COTTON GINNING	.00007450	.00040710	.00016948	.00004329	.00004233	.00003497	.00015527	.00005488
15 AGRY SERVICES	.00076960	.00183608	.00061738	.00068898	.00070384	.00062926	.00128499	.00085778
16 PRIM FORESTRY	.18112411	.00383322	.00260254	.05081601	.00415278	.00713797	.00330649	.00157223
17 FISHERIES	.00036616	.00094708	.00028194	.00032030	.00032779	.00028765	.00068756	.00041289
18 CRUDE PETRO	.03533759	.08075298	.02336139	.04920582	.02521513	.02354699	.05739013	.02590521
19 NATRL GAS LQDS.	.00274548	.00933746	.00175382	.00161334	.00172972	.00148515	.00629544	.00199942
20 OIL,GAS FLDSV	.00756167	.01825293	.00500415	.00971683	.00535721	.00492979	.01287516	.00564409
21 LIGNITE,OTH MINE	.00201706	.00471244	.00267893	.00411672	.00151521	.00235404	.00328721	.00146373
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00001007	.00001080	.00000362	.00001035	.00000761	.00000804	.00000781	.00000598
24 INDUS CONS	.00000007	.00000007	.00000002	.00000007	.00000005	.00000005	.00000005	.00000004
25 FACILITY CONS	.00003998	.00004296	.00001448	.00004112	.00003029	.00003195	.00003107	.00002388
26 MAINTEN,REPR	.02659976	.02853967	.00956883	.02734738	.02010687	.02123177	.02062106	.01579205
27 MEAT PRODUCTS	.01375946	.01881539	.01191330	.01537464	.01554548	.01416498	.01597437	.01980507
28 POULTRY PROD	.00116529	.00161171	.00101054	.00131030	.00131497	.00119618	.00136600	.00159993
29 DAIRIES	.00352620	.00486752	.00305581	.00397373	.00397360	.00360891	.00413387	.00491593
30 OTH GRAIN MIL	.00077973	.00227689	.00057752	.00062805	.00065140	.00056073	.00161416	.00078400
31 ANIMAL FEEDS	.00127881	.00266451	.00099679	.00122635	.00124798	.00110476	.00200886	.00150084
32 BAKERY PROD	.00231039	.00309011	.00201121	.00260660	.00262286	.00238957	.00264558	.00328810
33 CNND,PSVP,PCK	.00187111	.00258013	.00161058	.00208997	.00206713	.00189447	.00219327	.00279269
34 OTH FOOD PROD	.00664461	.00952131	.00574690	.00739026	.00742254	.00673892	.00796991	.00907827
35 BEVERAGES	.00731856	.01054646	.00633483	.00811246	.00820319	.00744457	.00880646	.00995401
36 TEXTILE MILL	.00041455	.01070749	.00710455	.00033723	.00032613	.00029330	.00028159	.00091776
37 HBWMC FURN	.00248518	.00333313	.00215459	.00279396	.00282741	.00257957	.00283671	.00345133
38 RELATED APPRL	.00045549	.00069808	.00036770	.00048156	.00048009	.00044182	.00056757	.00058473
39 LOGGING	.08956140	.00317128	.00146930	.04521155	.00356370	.00626337	.00311337	.00127309
40 LUMBER MILLS	.01574125	.00414908	.00089358	.01425414	.00122936	.00207568	.00093671	.00051855
41 MILLWORK,WOOD	1.01995182	.00933427	.01261005	.00278049	.00261828	.00196723	.00294321	.00268881
42 WOOD FURN,FIX	.00067863	1.00089178	.00049771	.00069292	.00063353	.00060044	.00072097	.00088398
43 MET FURN,FIXT	.00023156	.00032248	1.00020157	.00026506	.00024464	.00022557	.00027130	.00038529
44 PAPER,PAP MIL	.00199728	.00475519	.00249178	1.00131388	.07057099	.13329638	.03566837	.01890819
45 PAP EX BOX,CT	.00122360	.00282676	.00082235	.00135083	1.04209460	.00118935	.00287922	.00286400
46 BOXES,PAP CNT	.00215450	.00460719	.01163564	.00167320	.01240653	1.00152329	.00317990	.00218771
47 NEWSPAPERS	.00402902	.00445658	.00282711	.00372887	.00373731	.00348278	1.00358923	.00536537
48 PUBLISHING	.00056937	.00088512	.00036398	.00048599	.00041868	.00038961	.00074684	1.06636248
49 PRINTING	.00223588	.00305679	.00167785	.00190475	.00184735	.00177000	.000962519	.19376364
50 MANFLD BUS FM	.00046202	.00073227	.00040674	.00043994	.00042499	.00038986	.00106428	.00107168

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 41 *	SECTOR 42 *	SECTOR 43 *	SECTOR 44 *	SECTOR 45 *	SECTOR 46 *	SECTOR 47 *	SECTOR 48 *
51 OTH PRNT,PUBS	.00075815	.00047412	.00042506	.00027420	.00025574	.00023737	.00237599	.02052979
52 CHLOR,ALKALIE	.00105139	.00301793	.00104090	.00350690	.00085779	.00097044	.00202655	.00078479
53 CYCCRD INT,I6	.00171494	.00673997	.00265232	.00142182	.00187787	.00144234	.00356064	.00090222
54 ORG CHEM	.01817116	.03263452	.00787567	.00599875	.00636972	.00962665	.02027163	.00706823
55 INORG CHEM	.00334364	.00478675	.00145741	.01207924	.00307556	.02361737	.00367509	.00154491
56 FIBERS,PLASTI	.00355844	.02185831	.00195135	.00114290	.00106610	.00118878	.00370311	.00130914
57 SYN RUBBER	.00023648	.00075319	.00018217	.00020281	.00026584	.00022833	.00046503	.00017701
58 DRUGS	.00027177	.00039215	.00023217	.00029609	.00029661	.00027069	.00033025	.00040962
59 AGRI CHEMICAL	.00148750	.00313369	.00119126	.00138705	.00136858	.00122077	.00232336	.00168151
60 SPS,CLNS,TOIL	.00083079	.00158882	.00067333	.00083278	.00083094	.00074509	.00124972	.00109471
61 PAINT+VARNISH	.00134207	.00496243	.01427004	.00400205	.00109721	.00605397	.00124269	.00100090
62 OTH CHEMICALS	.02449826	.00667787	.00124871	.00316429	.00012873	.00492063	.00426860	.00381769
63 PETRO REFING	.04759312	.09004263	.03462236	.03789027	.04099090	.03582248	.06583737	.05397060
64 OTH PETRO PRD	.00033715	.00043892	.00017832	.00046341	.00024772	.00025790	.00032491	.00022846
65 TIRES	.00086903	.00151670	.00069399	.00100965	.00139896	.00117503	.00096196	.00096066
66 FAB RUBBER PR	.00031139	.00093736	.00021267	.00027114	.00021946	.00020579	.00065231	.00025578
67 PLASTIC PRODS	.00853160	.03032784	.00212689	.00257215	.00227966	.00264991	.00393718	.00285614
68 LEATHER,L PRD	.00024735	.00044226	.00018589	.00024388	.00023415	.00022640	.00034593	.00073914
69 GLASS	.00101320	.00212070	.00116537	.00085592	.00085418	.00077176	.00158575	.00111589
70 CLAY	.00037032	.00049948	.00021095	.00039165	.00032411	.00032239	.00035839	.00031916
71 CUT ST,CL,SH	.00104677	.00155531	.00079154	.00181578	.00080449	.00080246	.00114903	.00084204
72 CEMENT,CONCRT	.00109132	.00170362	.00049084	.00113743	.00083348	.00084290	.00120417	.00073202
73 BLAST FURNACE	.00118713	.00256669	.02531153	.00105869	.00072239	.00100961	.00169610	.00069273
74 PRI STEEL,IRO	.00038728	.00087421	.01356465	.00042033	.00035001	.00082480	.00059222	.00028984
75 FOUNDRIES	.00084864	.00187714	.00046211	.00078103	.00053761	.00092010	.00130737	.00055736
76 NONFER SMELTG	.00101471	.00397219	.00136972	.00052463	.00055788	.00048083	.00239899	.00065832
77 AL SMLT ROL DR	.00362011	.01970655	.02828085	.00120019	.00111905	.00102945	.00335669	.00125216
78 CAST,FORGINGS	.00018790	.00052339	.00011435	.00014100	.00010012	.00009256	.00035685	.00009102
79 FABRI STEEL	.00044740	.00427646	.00074668	.00030159	.00028135	.00025620	.00102227	.00034090
80 PLATE WORK	.00024945	.00055027	.00009370	.00017018	.00011522	.00011044	.00037748	.00010767
81 SH MET,ARCH	.00188295	.00383021	.00689677	.00158286	.00130630	.00127568	.00231541	.00132044
82 METAL DOORS	.00010217	.00015219	.00007684	.00011267	.00010547	.00009828	.00011935	.00012363
83 FAB MET PROD	.00311007	.00499014	.00195242	.00244323	.00219629	.00232725	.00370064	.00267110
84 PLUMBING	.00026112	.00014043	.00014933	.00025858	.00021257	.00021230	.00033032	.00035512
85 BOLTS,NUTS,SC	.00171315	.00307320	.00784105	.00064923	.00049590	.00045339	.00185739	.00082177
86 ELCTPLT,CT,EN	.00025083	.00072627	.00019823	.00017160	.00015158	.00013999	.00044533	.00017609
87 VALVE,PIPE FT	.00116257	.00257611	.00078170	.00147982	.00082770	.00081850	.00185569	.00116306
88 OTH FAB MET P	.00072652	.00205345	.00043359	.00054549	.00053573	.00048272	.00079776	.00077982
89 FM,CONS,IND M	.00040405	.00048867	.00022046	.00040014	.00030793	.00030553	.00036349	.00031097
90 MTL HDL MC,EQ	.00024783	.00045710	.00011245	.00010313	.00009787	.00173433	.00021366	.00008582
91 MIN MACH,EQUP	.00058442	.00183407	.00041811	.00060058	.00036500	.00034226	.00125210	.00038774
92 ENGINES	.00032649	.00085848	.00031649	.00042865	.00016959	.00018591	.00061214	.00016431
93 METAL WK MACH	.00029381	.00062849	.00060335	.00024705	.00015418	.00014527	.00043559	.00014533
94 IND PROC MACH	.00320389	.00109601	.00044004	.00897036	.00371063	.01729765	.00112539	.00281969
95 GEN IND MACH	.00937800	.00294058	.00111910	.00304110	.00193105	.00124192	.00219612	.00186305
96 REFRIG MACH	.00021584	.00035446	.00013614	.00019749	.00018935	.00018364	.00025961	.00021971
97 COMPU,ACCT MACH	.00131811	.00342370	.00072907	.00090430	.00078069	.00076953	.00237015	.00119993
98 ELEC INST,AP	.00159956	.00239613	.00095178	.00163818	.00120000	.00124328	.00164378	.00113205
99 ELEC HSLD EQ	.00040057	.00027392	.00016854	.00033425	.00021765	.00020874	.00021901	.00029077
100 ELEC COMM EQ	.00080839	.00184615	.00066125	.00079205	.00066074	.00059980	.00137407	.00136611

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 41 *	SECTOR 42 *	SECTOR 43 *	SECTOR 44 *	SECTOR 45 *	SECTOR 46 *	SECTOR 47 *	SECTOR 48 *
101 OTH ELEC APP	.00052295	.00124658	.00034103	.00042130	.00040535	.00037082	.00086189	.00046835
102 AIRCRAFT	.00002037	.00007487	.00000903	.00000926	.00000986	.00001295	.00004973	.00002259
103 AIRCRAFT ENG	.00000085	.00000197	.00000067	.00000077	.00000077	.00000071	.00000139	.00000094
104 OTH AIRCRAFT	.00005138	.00010514	.00003893	.00004398	.00004694	.00006218	.00007454	.00011859
105 MOTOR VHCL,P	.00376007	.00543030	.00356019	.00430419	.00513002	.00444914	.00435006	.00509905
106 SHIP,BT BLDG	.00022256	.00035814	.00022669	.00026169	.00023560	.00021307	.00031030	.00027108
107 OTH TRANS EQ	.00101235	.00143288	.00089461	.00116798	.00108995	.00100545	.00119939	.00132029
108 SCIENTIF INS	.00006504	.00013526	.00004918	.00006321	.00005429	.00005091	.00010426	.00007813
109 MECH MSRG DV	.00023435	.00028670	.00006363	.00011117	.00011150	.00008095	.00020038	.00007257
110 MEDICAL INST	.00053269	.00078920	.00045803	.00064278	.00054011	.00050164	.00065519	.00076922
111 PHO, TM, OPT I	.00025317	.00034650	.00025647	.00024979	.00022967	.00021663	.00055361	.00270109
112 GAMES, TOYS	.00010189	.00013444	.00008844	.00011442	.00011381	.00010390	.00011554	.00014546
113 OTH MFG IND	.00102645	.00166460	.00097210	.00092841	.00089615	.00103223	.00248295	.00329937
114 RAIL TRANS	.01225474	.00783800	.01885184	.02901727	.00486873	.00615499	.00900057	.00387919
115 INTERCTY HGY	.00063892	.00079266	.00059921	.00079165	.00066922	.00062024	.00071064	.00081424
116 MOTOR FRT STR	.01769346	.04050536	.01978341	.03081877	.06754712	.05080544	.02070665	.01756977
117 WATER TRANS	.00212712	.00385823	.00307867	.00288592	.00191304	.00169096	.00374363	.00191010
118 AIR TRANS	.00593082	.00794318	.00529026	.00598760	.00654971	.00887479	.00606308	.01733964
119 PIPELINE TRN	.00183500	.00343741	.00269256	.00259070	.00167092	.00138701	.00366167	.00164662
120 LOC, SUB TRAN	.00053479	.00071320	.00046859	.00060283	.00060981	.00055438	.00060907	.00075277
121 OTH TRAN SER	.00074238	.00109062	.00087699	.00105144	.00059597	.00060634	.00104682	.00075856
122 TELEP, TELEGR	.01153717	.01347440	.01400492	.01037738	.01284858	.01138121	.01259209	.02456045
123 RADIO, TV	.00148826	.00251147	.00162023	.00149207	.00155399	.00124254	.00168162	.00332097
124 OTH COMMUNIC	.00024845	.00033944	.00020283	.00027520	.00027307	.00023877	.00028729	.00347390
125 GAS SERVICES	.02989512	.03245245	.02328791	.07748420	.02634197	.02760356	.02792422	.02407342
126 ELEC SERVICES	.02967679	.03282094	.02606611	.05141847	.02631888	.02812999	.02663295	.02982881
127 WATER, SANI SERV	.00630475	.00729410	.00761011	.03633889	.00770743	.00904871	.00720632	.00797995
128 WHL AUT PT, S	.01611861	.01354088	.00817780	.01183181	.01038584	.00952384	.01016080	.01181068
129 WHL GRO, RELP	.00894298	.01125614	.00713412	.00952455	.01119756	.01143354	.00950267	.01387063
130 WHL FM PROD	.00126978	.00220978	.00135166	.00141288	.00098302	.00094784	.00196437	.00098661
131 WHL LIVESTOC	.00017845	.00036145	.00013939	.00019849	.00017324	.00015898	.00029973	.00021400
132 WHL HAC, EQ, S	.02885850	.00989656	.03210220	.01538443	.00691698	.01008737	.00834660	.00890489
133 WHL PET, PETP	.01134362	.01988398	.00820921	.01156113	.01048421	.01103646	.01041649	.01210778
134 GEN WHL	.10365814	.05221402	.03005546	.06123869	.05953209	.05972350	.03765084	.08269139
135 LUMBER YARDS	.00394618	.00265713	.00153081	.00315114	.00253704	.00343572	.00203027	.00290729
136 FARM EQ DEAL	.00206674	.00164906	.00100401	.00195179	.00155219	.00231093	.00132291	.00169456
137 HDW, HT, E, P, W	.00188093	.00105234	.00054120	.00120945	.00070050	.00080539	.00057076	.00079358
138 DEPT, VAR STO	.01346799	.01501821	.00875049	.01292155	.01608813	.01637758	.01143954	.01961882
139 FOOD STORES	.01179995	.01558571	.01017757	.01317986	.01588104	.01515587	.01350780	.01941400
140 AUTO DEAL, RP	.01572737	.01722104	.00920729	.01239816	.01283870	.01048223	.01156503	.01399238
141 GAS SER STAT	.00305753	.00389029	.00191466	.00283235	.00282398	.00266475	.00246227	.00398804
142 APPRL ACC ST	.00527086	.00794719	.00460117	.00595849	.00620727	.00567809	.00603404	.00753736
143 FURN, HM F, EQ	.01181404	.00554126	.00308839	.00875055	.00443137	.00438200	.00449716	.00499132
144 EAT, DRINK PL	.01367810	.01782063	.01176650	.01478929	.01538297	.01418546	.01533721	.02678646
145 OTHER RETAIL	.01310024	.01323599	.00806108	.01213727	.01616481	.01685181	.01112186	.01936560
146 BANK, CRD AGE	.05543695	.06437419	.05729963	.04886297	.04924282	.04856479	.05523977	.06739348
147 INSURANCE CA	.02446193	.04384051	.01801948	.01809336	.01931752	.02024452	.02099992	.02425667
148 F. I. R. E. NEC	.03625860	.05227019	.02992802	.04063134	.04512209	.03554089	.03539965	.05754505
149 LEGAL SERVIC	.00557589	.00748260	.00514983	.00648605	.00569901	.00527321	.00646575	.00957341
150 LODGING SERV	.00460147	.00566546	.00360934	.00447713	.00477701	.00452677	.00511151	.01067013

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 41 *	SECTOR 42 *	SECTOR 43 *	SECTOR 44 *	SECTOR 45 *	SECTOR 46 *	SECTOR 47 *	SECTOR 48 *
151 PERSONAL SER	.00554439	.00722650	.00468198	.00623024	.00620978	.00561470	.00614810	.00785587
152 ADVERTISING	.00101185	.00147311	.00205531	.00112389	.00131763	.00095245	.00549745	.01238622
153 DUPL, ADDRESS	.00041380	.00051581	.00035868	.00044541	.00041456	.00037664	.00051738	.00104869
154 PRI EMPL AGE	.00051048	.00063270	.00046361	.00049563	.00047163	.00041038	.00056616	.00061893
155 PHOTO SERVIC	.00180881	.00232468	.00166305	.00197489	.00185444	.00166702	.00241760	.05609178
156 RESRCH, DEVEL	.00018908	.00035201	.00032922	.00029238	.00015807	.00012846	.00040421	.00010559
157 OTHER BUS SE	.00582047	.00657043	.00546359	.00716330	.00481550	.00445104	.01362061	.00744769
158 MTN PCT, AM, R	.00399177	.00524390	.00343743	.00445946	.00450483	.00411327	.00450055	.00617727
159 AUTO RENT SE	.00294178	.00416486	.00873756	.00229295	.00377864	.00318881	.00443429	.00242286
160 AUTO PARKING	.00029440	.00039147	.00025766	.00032690	.00033088	.00030261	.00033108	.00040341
161 ELEC REP SHP	.00186118	.00151577	.00142811	.00158627	.00129971	.00133907	.00126562	.00153062
162 MISC REP SER	.00741384	.00481355	.00272058	.00603366	.00362425	.00341195	.00446978	.00883686
163 PHYS, DENT SE	.00716306	.00957270	.00631398	.00807116	.00817321	.00743550	.00815789	.00988717
164 HOSP, LAB SER	.01660503	.02214942	.01449898	.01874574	.01897610	.01725985	.01894273	.02308224
165 OTH MED SERV	.00735070	.00979010	.00641454	.00831912	.00842785	.00765169	.00839546	.01016483
166 ED (PUB, PRI)	.01471276	.02087750	.01351667	.01860179	.01499323	.01383924	.01841183	.01922124
167 COLL, UNIV	.00769444	.01097174	.00710132	.00949036	.00808893	.00745155	.00935618	.01036737
168 OTH ED SERV	.00131102	.00173385	.00113831	.00147351	.00149003	.00135454	.00152207	.00180818
169 ENG, ARCH SER	.00244452	.00322267	.00221223	.00318987	.00212503	.00231064	.00287558	.00249914
170 COMPU, ACCT SERV	.00737045	.01092489	.01152001	.00658392	.00632807	.00645510	.00658677	.01848421
171 OTH PROF SER	.00306299	.00014764	.00011266	.00090627	.00013017	.00017561	.00015582	.00068605
172 OTHER SERVIC	.01029928	.01265450	.00873614	.01061090	.01042843	.00948068	.01076562	.01531083
173 ORD, ORD ACCS	.00000595	.00000969	.00000454	.00000631	.00000579	.00000628	.00000759	.00000678
174 OUTDOOR REC	.00079600	.00112898	.00070902	.00096990	.00085618	.00077509	.00098810	.00099162
175 SCRAP	.00029159	.00069238	.00068285	.00071993	.00067947	.00023842	.00073393	.00020735
176 HOUSEHOLDS	.47469233	.63260547	.41448353	.53701087	.54399039	.49442990	.54159154	.65658248
TOTAL DIR/IND/IND REQ	2.71749999	2.91543458	2.22046123	2.62725447	2.49607233	2.46141023	2.49823637	3.00122416

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 49 *	SECTOR 50 *	SECTOR 51 *	SECTOR 52 *	SECTOR 53 *	SECTOR 54 *	SECTOR 55 *	SECTOR 56 *
1 IRR COTTON	.00020564	.00031047	.00138545	.00015329	.00019412	.00075454	.00031554	.00030863
2 IRR FOOD GRAIN	.00029665	.00044978	.00032816	.00023094	.00029288	.00125642	.00049743	.00050348
3 IRR FEED GRAIN	.00061401	.00072503	.00077111	.00045063	.00051060	.00127679	.00059614	.00061607
4 OTHER IRR CROP	.00215464	.00209113	.00263334	.00151017	.00161607	.00240437	.00149028	.00156505
5 DRYLAND COTTON	.00012481	.00018470	.00047139	.00009376	.00011747	.00044485	.00018310	.00018382
6 DRY FOOD GRAIN	.00015869	.00022478	.00018051	.00012509	.00014830	.00055507	.00051247	.00023278
7 DRY FEED GRAIN	.00048331	.00062556	.00057134	.00036561	.00042931	.00135898	.00058129	.00059820
8 OTHER DRY CROP	.00134641	.00135711	.00168380	.00095652	.00102626	.00143265	.00086930	.00089796
9 RANGE LIVESTOCK	.00402922	.00432669	.00517589	.00291203	.00317047	.00593947	.00313163	.00323792
10 FEEDLOT LVSTK	.00442794	.00512873	.00557124	.00323697	.00361767	.00884595	.00417444	.00431423
11 DAIRY	.00203591	.00215075	.00251087	.00153463	.00164069	.00279936	.00152515	.00158435
12 POULTRY,EGGS	.00151900	.00154048	.00188453	.00109489	.00117447	.00170864	.00101117	.00104629
13 AG SUP EX FMC	.00079883	.00085552	.00099109	.00055263	.00060466	.00117924	.00062890	.00063635
14 COTTON GINNING	.00004188	.00006148	.00022060	.00003106	.00003877	.00014563	.00006089	.00006030
15 AGRV SERVICES	.00074344	.00080142	.00098249	.00054225	.00060970	.00118497	.00061833	.00062468
16 PRIM FORESTRY	.00470244	.00454328	.00098755	.00147410	.00068154	.00191272	.00086910	.00132278
17 FISHERIES	.00034890	.00038969	.00042669	.00027075	.00029542	.00062148	.00030888	.00032031
18 CRUDE PETRO	.02545706	.02913854	.02578463	.10916038	.13476597	.13741507	.03248267	.05435611
19 NATRL GAS LQDS.	.00157684	.00238881	.00201985	.00139879	.01432830	.02682139	.00261873	.00577306
20 OIL,GAS FLDSV	.00533543	.00633215	.00555685	.02151834	.03202761	.02908433	.00696400	.01160404
21 LIGNITE,OTH MINE	.00157411	.00176814	.00135156	.00925150	.00280940	.00466436	.04155270	.00807132
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00000469	.00000548	.00000561	.00000407	.00001015	.00002259	.00000411	.00000630
24 INDUS CONS	.00000003	.00000004	.00000004	.00000003	.00000007	.00000015	.00000003	.00000004
25 FACILITY CONS	.00001877	.00002187	.00002245	.00001627	.00004029	.00008946	.00001639	.00002504
26 MAINTEN,REPR	.01238989	.01446739	.01480765	.01076499	.02681505	.05968347	.01086776	.01665013
27 MEAT PRODUCTS	.01777439	.01683056	.02260474	.01264386	.01323246	.01232471	.00946402	.00983691
28 POULTRY PROD	.00150693	.00142767	.00189799	.00110202	.00113788	.00107105	.00080875	.00084363
29 DAIRIES	.00453986	.00432109	.00573157	.00341087	.00349339	.00328855	.00247576	.00259122
30 OTH GRAIN MIL	.00067250	.00079837	.00080412	.00050258	.00057407	.00147479	.00068017	.00069930
31 ANIMAL FEEDS	.00136918	.00142802	.00171498	.00098600	.00106874	.00172164	.00097222	.00100477
32 BAKERY PROD	.00300789	.00283807	.00381008	.00217392	.00225310	.00204529	.00158440	.00165381
33 CNND,PSVP,PCK	.00235251	.00223307	.00301682	.00190612	.00191092	.00182172	.00135324	.00143790
34 OTH FOOD PROD	.00848507	.00811018	.01067415	.00601631	.00641340	.00621853	.00460856	.00477556
35 BEVERAGES	.00937528	.00894908	.01178845	.00662545	.00696078	.00687445	.00508348	.00526840
36 TEXTILE MILL	.00044416	.00063367	.00971949	.00029612	.00034565	.00071272	.00046679	.00035875
37 MBWMC FURN	.00327547	.00308801	.00407718	.00235614	.00237051	.00216880	.00168948	.00174402
38 RELATED APPRL	.00054867	.00051884	.00068566	.00039348	.00041353	.00045766	.00046132	.00032773
39 LOGGING	.00412785	.00396110	.00076751	.00081184	.00046808	.00175057	.00076678	.00114693
40 LUMBER MILLS	.00142411	.00131323	.00039521	.00036288	.00035017	.00063968	.00028676	.00043013
41 MILLWORK,WOOD	.00211654	.00370033	.00230246	.00747160	.00249993	.00422456	.00192102	.00224936
42 WOOD FURN,FIX	.00070325	.00073869	.00086354	.00056514	.00064535	.00078922	.00047601	.00047714
43 MET FURN,FIXT	.00027820	.00027133	.00034304	.00029752	.00028294	.00027772	.00018352	.00020124
44 PAPER,PAP MIL	.08402253	.07248183	.00979348	.00105680	.00169390	.00327397	.00370658	.01137269
45 PAP EX BOX,CT	.00757917	.01365824	.02207684	.00107230	.00099930	.00166325	.01702953	.00100186
46 BOXES,PAP CNT	.00281506	.01304789	.00237476	.00154144	.00299307	.00316375	.00436676	.00167610
47 NEWSPAPERS	.00406833	.00365674	.00482034	.00319041	.00306526	.00286174	.00240152	.00236204
48 PUBLISHING	.00060745	.00067699	.02016348	.00055047	.00038157	.00062672	.00111180	.00037300
49 PRINTING	1.01081209	.00857616	.00824751	.00183023	.00199680	.00209736	.00190780	.00154780
50 MANFLD BUS FM	.00143585	1.00066687	.00110320	.00072799	.00063463	.00074686	.00050879	.00059513

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 49 *	SECTOR 50 *	SECTOR 51 *	SECTOR 52 *	SECTOR 53 *	SECTOR 54 *	SECTOR 55 *	SECTOR 56 *
51 OTH PRNT,PUBS	.00046987	.00096110	1.01852522	.00027694	.00027484	.00035394	.00029597	.00025962
52 CHLOR,ALKALIE	.00090038	.00101736	.00075786	1.01193892	.00086651	.00746684	.00157209	.00177829
53 CYCCRD INT,IG	.00089749	.00151923	.00082529	.00071192	1.00129140	.01286429	.00308208	.05046203
54 ORG CHEM	.00596088	.00888273	.01407229	.00780889	.03906405	1.22366903	.01526645	.15554932
55 INORG CHEM	.00209628	.00264454	.00147487	.01369477	.00290990	.00909862	1.09045155	.00838027
56 FIBERS,PLASTI	.00121328	.00180337	.00128953	.00096390	.00111680	.00351975	.00761367	1.02085658
57 SYN RUBBER	.00017852	.00032162	.00025784	.00015041	.00025997	.00044646	.00035395	.00024862
58 DRUGS	.00041445	.00033340	.00043684	.00025113	.00027531	.00026390	.00019372	.00019989
59 AGRI CHEMICAL	.00154019	.00158904	.00196136	.00123687	.00122861	.00198366	.00114919	.00116281
60 SPS,CLNS,TOIL	.00096395	.00112931	.00113747	.00080327	.00212843	.00125862	.00068052	.00077958
61 PAINT+VARNISH	.00109101	.00360481	.00103499	.00089513	.00119143	.00173956	.00066066	.00077628
62 OTH CHEMICALS	.01161500	.00625325	.00967887	.00139851	.00428787	.01013987	.00257178	.00246122
63 PETRO REFING	.04103739	.04991883	.05597903	.07414799	.59347801	.14246219	.03776324	.08314430
64 OTH PETRO PRD	.00023863	.00024833	.00024112	.00094254	.00035456	.00064816	.00032723	.00032353
65 TIRES	.00092292	.00154129	.00126364	.00077708	.00134475	.00090872	.00083666	.00088918
66 FAB RUBBER PR	.00024841	.00035273	.00024604	.00021050	.00025804	.00068798	.00036966	.00030750
67 PLASTIC PRODS	.00265447	.00306410	.00317204	.00240582	.00217364	.00355311	.03306957	.00217843
68 LEATHER,L PRD	.00039471	.00068100	.00035440	.00020264	.00030791	.00032118	.00022265	.00019566
69 GLASS	.00100127	.00109886	.00174333	.00068226	.00081003	.00146876	.00123304	.00077250
70 CLAY	.00027996	.00028966	.00034413	.00024021	.00036448	.00066319	.00027913	.00026031
71 CUT ST,CL,SH	.00085887	.00083328	.00080214	.00101785	.00094199	.00160381	.00093866	.00096579
72 CEMENT,CONCRT	.00059851	.00072792	.00069048	.00067112	.00114371	.00244420	.00079449	.00081741
73 BLAST FURNACE	.00080747	.00079844	.00056646	.00268399	.00768849	.00220967	.00173045	.00122933
74 PRI STEEL,IRO	.00043387	.00038749	.00037478	.00041808	.00032923	.00069301	.00046493	.00031015
75 FOUNDRIES	.00071665	.00060688	.00045390	.00055673	.00069315	.00147012	.00103687	.00063093
76 NONFER SMELTG	.00047303	.00079124	.00407827	.00052367	.00098872	.00694413	.00172426	.00151028
77 AL SMLT ROL DR	.00100848	.00148503	.00119005	.00110927	.00266710	.00428475	.00240703	.00163802
78 CAST,FRGINGS	.00010222	.00016307	.00009815	.00010086	.00025211	.00038219	.00022392	.00016966
79 FABRI STEEL	.00028101	.00035284	.00024145	.00024494	.00035840	.00113549	.00068116	.00050859
80 PLATE WORK	.00014685	.00019861	.00010996	.01361950	.00012968	.00052954	.00027235	.00017912
81 SH MET,ARCH	.00119884	.00147120	.00131688	.00112158	.00152690	.00360426	.00154931	.00131553
82 METAL DOORS	.00011017	.00010860	.00013925	.00010840	.00012562	.00014132	.00007613	.00007935
83 FAB MET PROD	.00261887	.00257851	.00332103	.00232008	.00415291	.00366736	.00249522	.00206906
84 PLUMBING	.00033207	.00021112	.00032153	.00026060	.00025730	.00048481	.00025425	.00020001
85 BOLTS,NUTS,SC	.00063143	.00108031	.00055296	.00047714	.00089137	.00146571	.00106398	.00068863
86 ELCTPLT,CT,EN	.00019375	.00018927	.00015946	.00017306	.00024380	.00050805	.00047110	.00023035
87 VALVE,PIPE FT	.00098678	.00100545	.00077154	.00300603	.00293972	.00284956	.00160233	.00149111
88 OTH FAB MET P	.00060872	.00062327	.00077956	.00053171	.00109206	.00107351	.00054193	.00053080
89 FM,CONS,IND M	.00026676	.00027465	.00030192	.00028300	.00035976	.00062965	.00050819	.00031709
90 MTL HDL MC,EQ	.00007418	.00011764	.00007212	.00012820	.00030311	.00026879	.00038475	.00016321
91 MIN MACH,EQU	.00034599	.00048849	.00034387	.00119859	.00136381	.00193863	.00132945	.00087435
92 ENGINES	.00020094	.00036865	.00012463	.00026130	.00078512	.00067497	.00070301	.00040947
93 METAL WK MACH	.00016255	.00023454	.00015059	.00020353	.00031276	.00052903	.00021242	.00022686
94 IND PROC MACH	.00925439	.00126958	.00068872	.00031244	.00090814	.00079410	.00138830	.00044167
95 GEN IND MACH	.00292579	.00234704	.00134028	.00147727	.00143522	.00735713	.00172621	.00192286
96 REFRIG MACH	.00017198	.00017916	.00020276	.00015726	.00021123	.00033453	.00014493	.00016384
97 COMPU,ACCT MACH	.00087120	.00334369	.00280544	.00088414	.00090793	.00269607	.00199884	.00109798
98 ELEC INST,AP	.00093604	.00114605	.00104590	.00105691	.00211731	.00341114	.00123493	.00121329
99 ELEC HSLD EQ	.00023861	.00023040	.00029597	.00022672	.00021714	.00019998	.00014892	.00015540
100 ELEC COMM EQ	.00071288	.00111544	.00079622	.00102755	.00126111	.00176751	.00099234	.00083587

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 49 *	SECTOR 50 *	SECTOR 51 *	SECTOR 52 *	SECTOR 53 *	SECTOR 54 *	SECTOR 55 *	SECTOR 56 *
101 OTH ELEC APP	.00034311	.00051815	.00033830	.00033133	.00051114	.00088267	.00073075	.00046950
102 AIRCRAFT	.00001110	.00001710	.00001303	.00000833	.00001182	.00004849	.00002315	.00002106
103 AIRCRAFT ENG	.00000083	.00000088	.00000107	.00000060	.00000070	.00000202	.00000069	.00000077
104 OTH AIRCRAFT	.00005571	.00008651	.00006474	.00004223	.00005253	.00006995	.00005902	.00004872
105 MOTOR VHCL,P	.00461786	.00553326	.00575070	.00520325	.00369888	.00355069	.00302418	.00316820
106 SHIP, BT BLDG	.00025475	.00027556	.00030815	.00028540	.00047221	.00034567	.00028538	.00027242
107 OTH TRANS EQ	.00124935	.00123376	.00154409	.00087528	.00112020	.00095951	.00072992	.00074404
108 SCIENTIF INS	.00006260	.00010612	.00007515	.00008670	.00008079	.00011246	.00007731	.00006686
109 MECH MSR6 DV	.00008687	.00010998	.00006681	.00007823	.00014670	.00031744	.00015920	.00013368
110 MEDICAL INST	.00062665	.00060469	.00079658	.00350226	.00068370	.00064815	.00045667	.00056043
111 PHO, TM, OPT I	.00141004	.00114145	.01559483	.00030852	.00029973	.00026488	.00022160	.00021744
112 GAMES, TOYS	.00013059	.00012401	.00016470	.00009850	.00010167	.00009587	.00007085	.00007422
113 OTH MFG IND	.00803285	.01218578	.00553811	.00103648	.00088536	.00121774	.00162610	.00130323
114 RAIL TRANS	.00747531	.01719006	.00337024	.00648868	.05885287	.01116035	.01000395	.01251133
115 INTERCTY HGY	.00077613	.00078667	.00093945	.00054596	.00085978	.00054715	.00043718	.00046323
116 MOTOR FRT STR	.01940263	.07046777	.02400817	.01633803	.02158347	.01765236	.01843376	.03008610
117 WATER TRANS	.00178511	.00277566	.00187148	.00462653	.01111571	.00635099	.00605521	.00531031
118 AIR TRANS	.00780040	.01250421	.00905180	.00551070	.00696795	.00527475	.00692943	.00531463
119 PIPELINE TRN	.00149972	.00201719	.00157554	.00442548	.01253992	.00562403	.00437128	.00549928
120 LOC, SUB TRAN	.00074194	.00066075	.00088720	.00048633	.00051135	.00045951	.00036108	.00037247
121 OTH TRAN SER	.00087458	.00118217	.00246082	.00103401	.00150768	.00097160	.00152139	.00645483
122 TELEP, TELEGR	.01394104	.02090898	.01715587	.01009565	.01065225	.00900310	.00999939	.00872463
123 RADIO, TV	.00159645	.00133138	.00168975	.00160849	.00138326	.00128658	.00131177	.00132128
124 OTH COMMUNIC	.00029910	.00027300	.00041543	.00024740	.00027617	.00027433	.00019656	.00020400
125 GAS SERVICES	.02912851	.02527738	.02459936	.18265033	.05211982	.08526471	.02723344	.04825539
126 ELEC SERVICES	.03227429	.02847514	.03090613	.02903736	.02845884	.04964355	.03092587	.04071585
127 WATER, SANI SERV	.01008381	.00797030	.00799861	.01463813	.00705442	.00681868	.00549768	.01220582
128 WHL AUT PT, S	.01148347	.01125481	.01411923	.00883947	.02739662	.00881775	.00651177	.00782203
129 WHL GRO, RLP	.01135742	.01006104	.01322014	.00774666	.00809227	.00931282	.00726836	.00735178
130 WHL FM PROD	.00095063	.00114762	.00102332	.00171290	.00193204	.00244034	.00227733	.00242167
131 WHL LIVESTOC	.00019259	.00019534	.00023914	.00019418	.00018280	.00026554	.00019835	.00020981
132 WHL MAC, EQ, S	.01134450	.00736205	.01012900	.00969507	.01639348	.01011673	.01205164	.01074726
133 WHL PET, PETP	.01123019	.01169589	.01326361	.01032909	.03432157	.01004496	.00803819	.00894418
134 GEN WHL	.05692801	.05057643	.04845345	.03093890	.04557058	.05063649	.03971688	.03958466
135 LUMBER YARDS	.00250734	.00219494	.00278320	.00165050	.00184070	.00177200	.00144889	.00135574
136 FARM EQ DEAL	.00201529	.00143542	.00182837	.00106314	.00151788	.00118421	.00092675	.00093194
137 HDW, HT, E, P, W	.00074417	.00062689	.00071284	.00051916	.00063035	.00050361	.00034766	.00037213
138 DEPT, VAR STO	.01544397	.01227502	.01589921	.00875525	.00987486	.00902730	.00707377	.00719215
139 FOOD STORES	.01646545	.01449581	.01923729	.01059879	.01103114	.01061662	.00834225	.00852298
140 AUTO DEAL, RP	.01296280	.01222255	.01908744	.01398882	.01141811	.01013911	.00843289	.00820766
141 GAS SER STAT	.00270806	.00301994	.00409864	.00214089	.01061116	.00237982	.00175152	.00259694
142 APPRL ACC ST	.00715155	.00654378	.00881588	.00478567	.00504138	.00452396	.00355864	.00367752
143 FURN, HM F, EQ	.00496598	.00468254	.00718887	.00314257	.00332429	.00300365	.00233009	.00244202
144 EAT, DRINK PL	.01728890	.01617614	.02407873	.01202882	.01301789	.01150595	.00953080	.01008133
145 OTHER RETAIL	.01460671	.01158655	.01502088	.00882982	.00900204	.01323962	.01011124	.01094271
146 BANK, CRD AGE	.05105387	.04932109	.07359587	.05434722	.05755614	.04592108	.04489444	.04254892
147 INSURANCE CA	.02029015	.02916645	.03214117	.01699897	.01980362	.01676251	.01569251	.01535262
148 F.I.R.E. NEC	.03787931	.03866622	.05950576	.06059919	.04190100	.03863128	.03309704	.03070143
149 LEGAL SERVIC	.00713211	.00645619	.00814381	.00898750	.00633383	.00607859	.00747170	.00537385
150 LODGING SERV	.00518595	.00477658	.00722741	.00448833	.00442509	.00371872	.00355500	.00334499

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	SECTOR 49 *	SECTOR 50 *	SECTOR 51 *	SECTOR 52 *	SECTOR 53 *	SECTOR 54 *	SECTOR 55 *	SECTOR 56 *
151 PERSONAL SER	.00852334	.00668722	.00892899	.00501176	.00550026	.00507847	.00377856	.00395598
152 ADVERTISING	.00181803	.00133319	.00176581	.00109042	.00119429	.00116229	.00128026	.00117782
153 DUPL, ADDRESS	.00181415	.00046930	.00058762	.00054921	.00041547	.00039999	.00030106	.00032482
154 PRI EMPL AGE	.00051871	.00050964	.00066026	.00053091	.00053854	.00049084	.00047291	.00047502
155 PHOTO SERVIC	.00240985	.00203185	.00923492	.00184066	.00249846	.00183762	.00157743	.00164860
156 RESRCH, DEVEL	.00013257	.00036583	.00012818	.00046150	.00042665	.00233052	.00057251	.00081951
157 OTHER BUS SE	.00607633	.00864861	.00656408	.00670529	.00949176	.00646540	.00540136	.00607573
158 MTN PCT, AM, R	.00517879	.00501534	.00660433	.00361385	.00380796	.00348942	.00270847	.00280342
159 AUTO RENT SE	.00387600	.00257515	.00236922	.00244091	.00258655	.00370870	.00523428	.00465553
160 AUTO PARKING	.00037809	.00035851	.00047969	.00026981	.00028201	.00025121	.00020036	.00020572
161 ELEC REP SHP	.00146344	.00126790	.00157655	.00103815	.00111998	.00116300	.00248747	.00086448
162 MISC REP SER	.00375032	.00371951	.00547852	.01084855	.00488861	.00604090	.00376505	.00394173
163 PHYS, DENT SE	.00938750	.00886183	.01183029	.00651846	.00687281	.00615896	.00485070	.00500776
164 HOSP, LAB SER	.02181707	.02062368	.02751931	.01512204	.01589867	.01424309	.01124666	.01158755
165 OTH MED SERV	.00967946	.00911511	.01219293	.00669516	.00703962	.00631211	.00497747	.00513846
166 ED(PUB, PRI)	.01629105	.01689516	.02001184	.03024752	.02426662	.02403723	.01494734	.01810604
167 COLL, UNIV	.00938111	.00943740	.01082478	.01366833	.01243519	.01133963	.00741869	.00830481
168 OTH ED SERV	.00172652	.00161593	.00215751	.00118485	.00124859	.00111947	.00088167	.00091182
169 ENG, ARCH SER	.00231552	.00280778	.00228838	.00753056	.00510020	.00409717	.00400388	.00401526
170 COMPU, ACCT SER	.00814617	.00758170	.01552703	.01053814	.00725858	.00641627	.00662943	.00605021
171 OTH PROF SER	.00015861	.00014244	.00012337	.00011618	.0008353	.00011889	.00007587	.00012281
172 OTHER SERVIC	.01202252	.01162440	.01668235	.00954242	.00993047	.00902292	.00733883	.00740930
173 ORD, ORD ACCS	.00000689	.00000633	.00000763	.00000490	.00000541	.00000686	.00000511	.00000424
174 OUTDOOR REC	.00092998	.00093848	.00108061	.00124722	.00116341	.00113825	.00078383	.00086646
175 SCRAP	.00023384	.00033480	.00030972	.00078017	.00060924	.00097534	.00098800	.00104117
176 HOUSEHOLDS	.62554381	.58906325	.78800532	.43132362	.45417620	.40686212	.32018386	.33047902
TOTAL DIR/IND/IND REQ	2.56614829	2.59752497	2.87350228	2.79625385	3.11582099	2.83718067	2.18083056	2.36311677

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 57 *	SECTOR 58 *	SECTOR 59 *	SECTOR 60 *	SECTOR 61 *	SECTOR 62 *	SECTOR 63 *	SECTOR 64 *
1 IRR COTTON	.00087047	.00022750	.00028173	.00034948	.00040053	.00022458	.00014528	.00029491
2 IRR FOOD GRAIN	.00145027	.00034077	.00041971	.00053650	.00064170	.00034087	.00020992	.00046667
3 IRR FEED GRAIN	.00147363	.00063300	.00059503	.00073615	.00084463	.00061013	.00037977	.00068591
4 OTHER IRR CROP	.00265574	.00220061	.00181809	.00226563	.00221758	.00198437	.00120885	.00194753
5 DRYLAND COTTON	.00051368	.00011954	.00016321	.00020523	.00023860	.00013665	.00008581	.00017695
6 DRY FOOD GRAIN	.00064062	.00023479	.00025698	.00027564	.00029988	.00017358	.00010831	.00022397
7 DRY FEED GRAIN	.00156728	.00051634	.00054060	.00068526	.00079203	.00050843	.00031608	.00061581
8 OTHER DRY CROP	.00165671	.00130520	.00102225	.00124909	.00133174	.00124478	.00076801	.00120480
9 RANGE LIVESTOCK	.00686075	.00401462	.00339809	.00420004	.00461911	.00383817	.00237599	.00396349
10 FEEDLOT LVSTK	.01021565	.00457672	.00419999	.00524747	.00594964	.00435830	.00269340	.00483153
11 DAIRY	.00322274	.00200549	.00168491	.00209265	.00225280	.00198700	.00125391	.00201024
12 POULTRY,EGGS	.00197169	.00146081	.00117232	.00143990	.00153236	.00142304	.00088447	.00138685
13 AG SUP EX FMC	.00135260	.00076187	.00066523	.00081794	.00088937	.00073048	.00045406	.00076210
14 COTTON GINNING	.00016808	.00004352	.00005468	.00006816	.00007845	.00004513	.00002877	.00005826
15 AGRY SERVICES	.00132155	.00075165	.00066607	.00081783	.00087443	.00072510	.00046310	.00074966
16 PRIM FORESTRY	.00238540	.00087424	.00105022	.00099282	.00101239	.00179132	.00055205	.00106008
17 FISHERIES	.00071549	.00033622	.00031944	.00040245	.00044245	.00035620	.00022520	.00037980
18 CRUDE PETRO	.13185493	.02729686	.03651754	.06140346	.06090453	.18963972	.21623946	.08658240
19 NATRL GAS LQDS.	.01817387	.00248246	.00287669	.00749029	.00766233	.00813200	.01771758	.00583287
20 OIL,GAS FLDSV	.03057431	.00583106	.00852218	.01296697	.01347480	.03990103	.05304811	.01936879
21 LIGNITE,OTH MINE	.00478854	.00170813	.04746861	.00287082	.00264163	.00205444	.00141532	.03290604
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00001241	.00000561	.00000509	.00000915	.00000743	.00000802	.00000987	.00000675
24 INDUS CONS	.00000008	.00000004	.00000003	.00000006	.00000005	.00000005	.00000007	.00000005
25 FACILITY CONS	.00004924	.00002243	.00002031	.00003637	.00002958	.00003191	.00003014	.00002686
26 MAINTEN,REPR	.03277820	.01482090	.01345847	.02416657	.01963410	.02118659	.02607395	.01782374
27 MEAT PRODUCTS	.01426821	.01688365	.01221864	.01479691	.01529233	.01618102	.00999950	.01472551
28 POULTRY PROD	.00123297	.00142033	.00103817	.00126578	.00128912	.00139139	.00087453	.00126154
29 DAIRIES	.00377198	.00431297	.00316867	.00387267	.00393958	.00427631	.00271449	.00390333
30 OTH GRAIN MIL	.00170099	.00069887	.00067545	.00084143	.00094846	.00068602	.00042489	.00078039
31 ANIMAL FEEDS	.00198807	.00133041	.00109647	.00135241	.00145580	.00129159	.00080212	.00129187
32 BAKERY PROD	.00236031	.00284935	.00205817	.00250039	.00255731	.00275747	.00171934	.00249928
33 CNND,PSVP,PCK	.00207129	.00231079	.00169863	.00211814	.00213170	.00235776	.00153031	.00216939
34 OTH FOOD PROD	.00720896	.00813684	.00594312	.00719798	.00738946	.00785279	.00475921	.00707124
35 BEVERAGES	.00794205	.00996899	.00706139	.00860276	.00832078	.00848332	.00525327	.00779014
36 TEXTILE MILL	.00081687	.00042745	.00051536	.00055831	.00051746	.00039314	.00030725	.00043192
37 MBWMC FURN	.00250664	.00302880	.00219721	.00265249	.00271636	.00289151	.00178061	.00262167
38 RELATED APPRL	.00052763	.00051648	.00042435	.00049982	.00050408	.00049899	.00030895	.00046884
39 LOGGING	.00210193	.00060289	.00076842	.00078607	.00088139	.00069365	.00036751	.00080594
40 LUMBER MILLS	.00062887	.00029297	.00031014	.00038292	.00038239	.00036122	.00030886	.00040027
41 MILLWORK,WOOD	.00592261	.00315959	.00364325	.00297277	.00257683	.00258423	.00204232	.00318977
42 WOOD FURN,FIX	.00076078	.00073686	.00059647	.00072624	.00069461	.00072999	.00053231	.00068886
43 MET FURN,FIXT	.00030227	.00028371	.00022962	.00031537	.00027220	.00034843	.00027058	.00033267
44 PAPER,PAP MIL	.00369991	.00338698	.00296566	.00245034	.00255235	.00179590	.00148393	.00415250
45 PAP EX BOX,CT	.00193728	.00528310	.00479212	.00143195	.00169296	.00117748	.00080853	.00121499
46 BOXES,PAP CNT	.00423439	.00498215	.00339441	.00249239	.00299316	.00415847	.00396929	.00251306
47 NEWSPAPERS	.00325410	.00369863	.00314649	.00382147	.00379061	.00374426	.00224425	.00398232
48 PUBLISHING	.00071204	.00079011	.00102934	.00102152	.00057670	.00047758	.00030898	.00066792
49 PRINTING	.00251125	.00428547	.00214604	.00408333	.00299096	.00244506	.00149173	.00250055
50 MANFLD BUS FM	.00076510	.00088626	.00061650	.00161260	.00054869	.00066196	.00058638	.00058799

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 57 *	SECTOR 58 *	SECTOR 59 *	SECTOR 60 *	SECTOR 61 *	SECTOR 62 *	SECTOR 63 *	SECTOR 64 *
51 OTH PRNT,PUBS	.00040863	.00051906	.00039141	.00033304	.00035310	.00033339	.00020168	.00032257
52 CHLOR,ALKALIE	.05453984	.00151884	.02871907	.00228680	.00188118	.00555077	.00088205	.00123054
53 CYCCRO INT,IG	.05427521	.00387964	.00933917	.00722322	.13272714	.00662454	.00141339	.00164858
54 ORG CHEM	.11321687	.04563526	.02019923	.26742020	.15617989	.07960033	.06998974	.03563165
55 INORG CHEM	.01541206	.00354381	.19735521	.01314624	.00423083	.00296196	.00432618	.00239208
56 FIBERS,PLASTI	.00405244	.03007536	.00376078	.00391395	.03635649	.00120571	.00085982	.00175505
57 SYN RUBBER	1.03843447	.00035080	.00050302	.00030354	.00185280	.00025313	.00013789	.00034176
58 DRUGS	.00031304	1.00445622	.00023920	.00030937	.00029923	.00032958	.00023311	.00029892
59 AGRIC CHEMICAL	.00228530	.00147720	1.05123543	.00157402	.00163037	.00147973	.00095063	.00150778
60 SPS,CLNS,TOIL	.00197976	.00103574	.00091199	1.00361241	.00115668	.00180325	.00330996	.00141582
61 PAINT+VARNISH	.00139720	.00088962	.00079715	.00133102	1.00174366	.00103735	.000103387	.00152048
62 OTH CHEMICALS	.02255895	.00148174	.00242657	.00387789	.00541054	1.00843012	.00728002	.00866283
63 PETRO REFING	.37683345	.04680131	.04973700	.08551509	.12951985	.40474177	1.13485425	.25711205
64 OTH PETRO PRD	.00106716	.00021935	.00038147	.00038013	.00030461	.00211703	.00035016	1.01445911
65 TIRES	.00104902	.00104761	.00174838	.00125011	.00097096	.00128968	.00068193	.00164040
66 FAB RUBBER PR	.00074031	.00023736	.00036708	.00043190	.00040063	.00031613	.00019781	.00038017
67 PLASTIC PRODS	.00418489	.01092565	.00841808	.00488976	.00294459	.00254793	.00169895	.00261105
68 LEATHER,L PRD	.00038788	.00031153	.00026662	.00050192	.00029509	.00031275	.00033775	.00028127
69 GLASS	.00161884	.00313134	.00125051	.00167407	.00111575	.00091926	.00059406	.00093614
70 CLAY	.00045146	.00030111	.00034003	.00036153	.00032313	.00034194	.00032432	.00035824
71 CUT ST,CL,SH	.00142631	.00095350	.0005728	.00104323	.00094041	.00100306	.00088074	.00387822
72 CEMENT,CONCRT	.00172813	.00088986	.00091262	.00106975	.00096866	.00101773	.00116139	.00304388
73 BLAST FURNACE	.00247637	.00115297	.00202862	.00109768	.00202196	.00088464	.00072596	.01570732
74 PRI STEEL,IRO	.00071094	.00039565	.00051246	.00043227	.00043133	.00033032	.00031673	.00038952
75 FOUNDRIES	.00155173	.00088740	.00129055	.00105865	.00091293	.00063520	.00064322	.00083531
76 NONFER SMELTG	.00313758	.00164564	.04015843	.00199573	.00181020	.00105706	.00117043	.00106037
77 AL SHLT ROL DR	.00461752	.00226991	.00288647	.00255126	.00293382	.00216419	.00376545	.00204802
78 CAST,FORGINGS	.00042073	.00022720	.00033722	.00019936	.00023237	.00014411	.00010530	.00019567
79 FABRI STEEL	.00106318	.00061459	.00076218	.00048976	.00053526	.00032177	.00026820	.00047797
80 PLATE WORK	.00112866	.00024556	.00073473	.00021153	.00022863	.00019595	.00011010	.00016761
81 SH MET,ARCH	.00285992	.00171181	.00196607	.00183056	.00174559	.00145205	.00135558	.00145863
82 METAL DOORS	.00014286	.00011387	.00009339	.00011255	.00010926	.00012982	.00013094	.00011358
83 FAB MET PROD	.00481438	.00333176	.00299731	.01822309	.00704920	.00359973	.00484352	.00308257
84 PLUMBING	.00037838	.00025420	.00033446	.00026957	.00029348	.00026313	.00022842	.00025901
85 BOLTS,NUTS,SC	.00165968	.00104231	.00117064	.00097576	.00098013	.00074382	.00044749	.00077784
86 ELCTPLT,CT,EN	.00053036	.00032126	.00052885	.00032787	.00029891	.00020934	.00021636	.00035023
87 VALVE,PIPE FT	.00306991	.00134547	.00172834	.00218669	.00167863	.00231996	.00327552	.00290641
88 OTH FAB MET P	.00110039	.00089106	.00068667	.00072144	.00076127	.00094543	.00131313	.00081927
89 FM,CONS,IND M	.00047206	.00027039	.00063728	.00041554	.00035083	.00037321	.00030112	.00059252
90 MTL HDL MC,EQ	.00037073	.00007750	.00043757	.00014024	.00053444	.00023292	.00049467	.00040731
91 MIN MACH,EQU	.00203070	.00040345	.00143497	.00084785	.00146135	.00172863	.00202729	.00160957
92 ENGINES	.00083832	.00017875	.00072794	.00041237	.00043704	.00038736	.00033619	.00078925
93 METAL WK MACH	.00052477	.00015318	.00027787	.00027207	.00028561	.00021773	.00014724	.00025070
94 IND PROC MACH	.00100720	.00039541	.00078304	.00049249	.00050100	.00064025	.00115463	.00053791
95 GEN IND MACH	.00292801	.00173432	.01052777	.00324863	.00225281	.00185042	.00131649	.00212471
96 REFRIG MACH	.00030504	.00018256	.00016356	.00022137	.000221401	.00022260	.00017465	.00022315
97 COMPU,ACCT MACH	.00270564	.00161021	.00234086	.00123239	.00314453	.00091702	.00076862	.00134760
98 ELEC INST,AP	.00253453	.00125140	.00147654	.00163392	.00147002	.00176272	.00231864	.00164056
99 ELEC HSLD EQ	.00022876	.00023896	.00018173	.00022874	.00022082	.00026223	.00019058	.00026260
100 ELEC COMM EQ	.00179644	.00118545	.00107858	.00110286	.00107434	.00131333	.00128077	.00117150

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 57 *	SECTOR 58 *	SECTOR 59 *	SECTOR 60 *	SECTOR 61 *	SECTOR 62 *	SECTOR 63 *	SECTOR 64 *
101 OTH ELEC APP	.00099538	.00065941	.00084644	.00054802	.00054982	.00045986	.00034669	.00063981
102 AIRCRAFT	.00005652	.00001292	.00001756	.00001958	.00002582	.00001485	.00000921	.00001357
103 AIRCRAFT ENG	.00000148	.00000086	.00000076	.00000106	.00000105	.00000085	.00000056	.00000084
104 OTH AIRCRAFT	.00008398	.00005843	.00004444	.00005892	.00005137	.00006349	.00003844	.00006166
105 MOTOR VHCL,P	.00409185	.00493052	.00381342	.00457843	.00417001	.00458036	.00277091	.00517882
106 SHIP,BT BLDG	.00045576	.00027173	.00027929	.00042602	.00033778	.00054949	.00056225	.00064147
107 OTH TRANS EQ	.00112244	.00117454	.00092290	.00109426	.00112562	.00115113	.00068972	.00109208
108 SCIENTIF INS	.00012632	.00006949	.00008654	.00008690	.00008571	.00010193	.00008778	.00009718
109 MECH MSRG DV	.00026853	.00014614	.00030462	.00018045	.00014969	.00016047	.00016999	.00021071
110 MEDICAL INST	.00089121	.00075303	.00062672	.00066315	.00063674	.00080843	.00069175	.00075701
111 PHO, TM, OPT I	.00034506	.00050570	.00024575	.00033437	.00027719	.00036804	.00027929	.00037074
112 GAMES, TOYS	.00010596	.00012644	.00009110	.00011299	.00011267	.00012444	.00007985	.00011374
113 OTH MFG IND	.00140412	.00125631	.00126267	.00114962	.00117054	.00166986	.00070700	.00104215
114 RAIL TRANS	.01825433	.00597093	.01013696	.01577852	.01571187	.01598035	.00506893	.01825436
115 INTERCTY HGY	.00066136	.00072094	.00055854	.00069270	.00070679	.00074687	.00043514	.00069946
116 MOTOR FRT STR	.02080167	.03868581	.02066071	.04052556	.01971579	.02749478	.01415562	.05536459
117 WATER TRANS	.00938463	.00280255	.00473862	.00871042	.00552434	.01268027	.01567958	.01639869
118 AIR TRANS	.00655372	.00803462	.00576634	.00711448	.00644679	.00832132	.00469727	.00819472
119 PIPELINE TRN	.00999964	.00268661	.00272387	.00939808	.00573493	.01432214	.01988682	.01673925
120 LOC, SUB TRAN	.00053280	.00065886	.00047416	.00057004	.00058605	.00062327	.00038249	.00056378
121 OTH TRAN SER	.00121441	.00093080	.00229529	.00176391	.00129521	.00167584	.00050338	.00219201
122 TELEP, TELEGR	.01097598	.01688277	.01100983	.01740967	.01308440	.01371424	.00773672	.01418635
123 RADIO, TV	.00150523	.00370091	.00178586	.00268525	.00150619	.00198081	.00095773	.00238462
124 OTH COMMUNIC	.00029177	.00030789	.00026786	.00035174	.00028079	.00035185	.00023849	.00032665
125 GAS SERVICES	.05029473	.02726535	.03425648	.05536033	.03905166	.05081581	.03065814	.06436291
126 ELEC SERVICES	.04712903	.02906000	.04049131	.04265225	.03291580	.04264656	.02313339	.04562743
127 WATER, SANI SERV	.00792872	.00723422	.00563769	.00871755	.00721146	.00953824	.00647608	.01041818
128 WHL AUT PT, S	.01055660	.01082950	.00827940	.01114274	.01237497	.02376608	.00676649	.01468859
129 WHL GRO, RELP	.00928118	.01055498	.01020460	.00929070	.01061590	.00995445	.00594725	.00957672
130 WHL FM PROD	.00260068	.00144245	.00189168	.00463556	.00244483	.00383124	.00059583	.00508162
131 WHL LIVESTOC	.00031416	.00021746	.00017727	.00033475	.00025652	.00031499	.00011314	.00039088
132 WHL MAC, EQ, S	.01916865	.00712782	.01015373	.01674423	.01166554	.02304144	.01439444	.02237669
133 WHL PET, PETP	.01272433	.01062673	.00982423	.01363327	.01361501	.02762069	.00915269	.01953684
134 GEN WHL	.04406804	.04077444	.06432174	.08196841	.08000877	.05674342	.03273435	.05915935
135 LUMBER YARDS	.00214061	.00224773	.00196349	.00211623	.00204101	.00209722	.00129174	.00204209
136 FARM EQ DEAL	.00128930	.00143848	.00170093	.00153517	.00139903	.00156645	.00083355	.00135452
137 HOW, HT, E, P, W	.00053764	.00054464	.00048191	.00054969	.00054475	.00060851	.00037267	.00089213
138 DEPT, VAR STO	.00990684	.01184868	.00973032	.01149655	.01104031	.01144194	.00686693	.01097914
139 FOOD STORES	.01183799	.01439593	.01117322	.01351795	.01351566	.01359096	.00832928	.01235077
140 AUTO DEAL, RP	.01118559	.01185601	.01994431	.01164697	.01351022	.01321221	.00783096	.01287365
141 GAS SER STAT	.00288897	.00285432	.00210079	.00301721	.00365202	.00839002	.00161908	.00448815
142 APPRL ACC ST	.00525066	.00647655	.00467070	.00561292	.00578388	.00616933	.00376632	.00555963
143 FURN, HM F, EQ	.00347814	.00418822	.00305713	.00363423	.00375635	.00397697	.00244452	.00374486
144 EAT, DRINK PL	.01356692	.01807089	.01205601	.01473284	.01613254	.01621817	.00951228	.01486273
145 OTHER RETAIL	.01133238	.01226943	.01514667	.01941046	.01358137	.01143702	.00673973	.01100597
146 BANK, CRD AGE	.05804739	.05733853	.05014334	.06089239	.05243569	.06864245	.04526920	.07028361
147 INSURANCE CA	.03450668	.02832163	.01973464	.02371255	.02262785	.02390569	.01468977	.02435218
148 F.I.R.E. NEC	.06063753	.06882510	.03453130	.04527172	.04160032	.04963288	.03471201	.05022188
149 LEGAL SERVIC	.00758028	.00986113	.00827431	.01203835	.00714615	.00860202	.00469497	.00975507
150 LODGING SERV	.00451338	.00733972	.00410533	.00523970	.00538611	.00577671	.00311303	.00594788

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 57 *	SECTOR 58 *	SECTOR 59 *	SECTOR 60 *	SECTOR 61 *	SECTOR 62 *	SECTOR 63 *	SECTOR 64 *
151 PERSONAL SER	.00570592	.00663630	.00483443	.00691127	.00615480	.00664428	.00418845	.00618167
152 ADVERTISING	.00126877	.00217838	.00142104	.00270136	.00172551	.00171145	.00075289	.00218231
153 DUPL, ADDRESS	.00045955	.00051856	.00037620	.00050276	.00043443	.00052316	.00033226	.00050926
154 PRI EMPL AGE	.00065874	.00069011	.00045411	.00080351	.00058357	.00299675	.00042601	.00097982
155 PHOTO SERVIC	.00238829	.00221815	.00170830	.00270709	.00220334	.00304993	.00243094	.00318984
156 RESRCH,DEVEL	.00070842	.00120539	.00035516	.00153539	.00075053	.00115772	.00025665	.00159372
157 OTHER BUS SE	.00885967	.00621777	.01299162	.00964359	.00652997	.01084957	.00950723	.01192889
158 MTN PCT,AM,R	.00396559	.00490141	.00352549	.00440730	.00438266	.00468134	.00284331	.00426901
159 AUTO RENT SE	.00395337	.00698593	.00300331	.00464912	.00466493	.00529049	.00182088	.00709200
160 AUTO PARKING	.00029630	.00035846	.00026079	.00031302	.00031936	.00034343	.00021087	.00031270
161 ELEC REP SHP	.00123425	.00449485	.00132085	.00137395	.00126568	.00137923	.00080368	.00133715
162 MISC REP SER	.00615043	.00560531	.00456504	.00531739	.00551548	.00658109	.00487638	.00793784
163 PHYS,DENT SE	.00733651	.00879418	.00635095	.00764934	.00786138	.00843558	.00515386	.00760748
164 HOSP,LAB SER	.01671672	.02071793	.01472694	.01769282	.01822083	.01943416	.01188551	.01755292
165 OTH MED SERV	.00746113	.00903234	.00651813	.00785034	.00808118	.00860447	.00525045	.00779105
166 ED(PUB,PRI)	.02463061	.01839901	.01640415	.02489812	.01990385	.03103753	.02558271	.02881566
167 COLL,UNIV	.01240494	.00936736	.00842343	.01203789	.01043293	.01554528	.01387337	.01529532
168 OTH ED SERV	.00129916	.00160298	.00115573	.00138943	.00143016	.00152796	.00093385	.00137575
169 ENG,ARCH SER	.00511288	.00259323	.00369787	.00541457	.00355298	.00673163	.00660348	.00789392
170 COMPU,ACCT SERV	.01108315	.03236427	.00711601	.00972752	.00768679	.00980553	.00584499	.01019754
171 OTH PROF SER	.00016773	.00009006	.00007910	.00012149	.00009786	.00013548	.00006364	.00014616
172 OTHER SERVIC	.01047201	.01645035	.00880415	.01139587	.01083011	.01251145	.00766428	.01220112
173 ORD,ORD ACCS	.00000760	.00000695	.00000655	.00000669	.00000649	.00000610	.00000434	.00000612
174 OUTDOOR REC	.00119936	.00095014	.00085477	.00123757	.00105450	.00151881	.00118981	.00155798
175 SCRAP	.00100214	.00052992	.00209754	.00198496	.00091916	.00177344	.00018277	.00292246
176 HOUSEHOLDS	.47264781	.58349053	.42058114	.50414397	.52096712	.55326242	.33918215	.49914343
TOTAL DIR/IND/IND REQ	3.21434803	2.57741619	2.63318065	2.88958198	2.86214130	3.21621825	2.44271071	2.92993219

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 65 *	SECTOR 66 *	SECTOR 67 *	SECTOR 68 *	SECTOR 69 *	SECTOR 70 *	SECTOR 71 *	SECTOR 72 *
1 IRR COTTON	.00029859	.00053684	.00064723	.00030146	.00031818	.00023091	.00023192	.00021075
2 IRR FOOD GRAIN	.00047799	.00043896	.00033697	.00042692	.00046914	.00035151	.00078785	.00031966
3 IRR FEED GRAIN	.00069455	.00062560	.00056012	.00159278	.00076751	.00066932	.00062959	.00061478
4 OTHER IRR CROP	.00209557	.00176217	.00175537	.00249212	.00234395	.00219849	.00197359	.00199067
5 DRYLAND COTTON	.00017078	.00023944	.00025565	.00015273	.00018682	.00014198	.00013906	.00012920
6 DRY FOOD GRAIN	.00021951	.00022646	.000946113	.00026883	.00023387	.00026788	.00034024	.00016706
7 DRY FEED GRAIN	.00062789	.00057532	.00047664	.00084772	.00065816	.00054680	.00069972	.00049600
8 OTHER DRY CROP	.00121686	.00112733	.00107900	.00181449	.00145952	.00142072	.00126100	.00129250
9 RANGE LIVESTOCK	.00402284	.00376224	.00344682	.01179777	.00463430	.00433111	.00389158	.00392508
10 FEEDLOT LVSTK	.00492923	.00457837	.00397033	.01227746	.00545122	.00483394	.00443159	.00438319
11 DAIRY	.00199917	.00182438	.00170580	.00252557	.00232873	.00224943	.00198431	.00201730
12 POULTRY,EGGS	.00140495	.00128956	.00124952	.00168314	.00166496	.00161933	.00143707	.00146897
13 AG SUP EX FMC	.00077237	.00071951	.00123163	.00134510	.00089044	.00082510	.00077573	.00074037
14 COTTON GINNING	.00005799	.00009341	.00010771	.00006093	.00006257	.00004674	.00004624	.00004260
15 AGR SERVICES	.00076216	.00071317	.00130192	.00121496	.00086058	.00080565	.00078230	.00072668
16 PRIM FORESTRY	.00086470	.00109085	.00075514	.00383096	.00178865	.00087251	.00085616	.00087494
17 FISHERIES	.00036364	.00033923	.00030833	.00051095	.00042094	.00039310	.00035293	.00035307
18 CRUDE PETRO	.05510140	.02714751	.03590222	.02337184	.07086051	.06483381	.04157832	.05028806
19 NATRL GAS LQDS.	.00776608	.00274791	.00251954	.00158919	.00250293	.00203981	.00187681	.00183422
20 OIL,GAS FLDSV	.01206960	.00591811	.00754640	.00496200	.01400377	.01278738	.00848177	.01009478
21 LIGNITE,OTH MINE	.00226491	.00173799	.00263885	.00129386	.00809954	.08274898	.00932741	.13507381
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00000583	.00000707	.00000602	.00000514	.00000463	.00000548	.00000511	.00000566
24 INDUS CONS	.00000004	.00000005	.00000004	.00000003	.00000003	.00000004	.00000003	.00000004
25 FACILITY CONS	.00002323	.00002811	.00002396	.00002058	.00001856	.00002193	.00002043	.00002261
26 MAINTEN,REPR	.01539193	.01866528	.01589040	.01358224	.01224047	.01448636	.01350777	.01496051
27 MEAT PRODUCTS	.01470339	.01363885	.01357010	.05669073	.01825021	.01868657	.01627658	.01691963
28 POULTRY PROD	.00125836	.00115046	.00115434	.00173064	.00155961	.00161444	.00139010	.00144964
29 DAIRIES	.00380816	.00346722	.00350525	.00482355	.00473889	.00496241	.00424088	.00443104
30 OTH GRAIN MIL	.00077936	.00071695	.00062023	.00072310	.00084904	.00077406	.00302432	.00069645
31 ANIMAL FEEDS	.00130393	.00120577	.00113804	.00213079	.00153160	.00145763	.00131078	.00133391
32 BAKERY PROD	.00248537	.00228777	.00229504	.00318737	.00308873	.00319792	.00276337	.00288443
33 CNND,PSVP,PCK	.00200512	.00182718	.00185567	.00270555	.00248173	.00272157	.00226294	.00237519
34 OTH FOOD PROD	.00712601	.00656158	.00656936	.00924289	.00879193	.00898793	.00783655	.00817786
35 BEVERAGES	.00796713	.00741161	.00754577	.01021205	.00968466	.00995177	.00859200	.00901747
36 TEXTILE MILL	.00038494	.00244837	.00376281	.00121050	.00060382	.00044487	.00042972	.00039144
37 MBWMC FURN	.00266250	.00244323	.00245781	.00343497	.00330390	.00337141	.00294741	.00307088
38 RELATED APPRL	.00047408	.00046030	.00047705	.00093511	.00056369	.00056503	.00052445	.00052356
39 LOGGING	.00066939	.00077104	.00057898	.00198332	.00148257	.00063026	.00064360	.00054538
40 LUMBER MILLS	.00029604	.00031115	.00029510	.00057750	.00059075	.00091423	.00037269	.00034792
41 MILLWORK,WOOD	.00262981	.000404551	.00206375	.02057172	.00274656	.00229564	.00244100	.00377461
42 WOOD FURN,FIX	.00061804	.00055830	.00059961	.00052365	.00075298	.00134885	.00073772	.00073043
43 MET FURN,FIXT	.00024928	.00028611	.00023242	.00066756	.00051748	.00047714	.00031670	.00033241
44 PAPER,PAP MIL	.00180826	.00223612	.00408228	.00209254	.02106145	.00509959	.00519602	.00143822
45 PAP EX BOX,CT	.00102425	.00110012	.00092965	.00291450	.00120467	.00137559	.02179341	.00118571
46 BOXES,PAP CNT	.00202888	.00419894	.01044529	.00544054	.06211931	.01410232	.02036805	.00210293
47 NEWSPAPERS	.00333949	.00287022	.00312996	.00536317	.00404790	.00447150	.00378043	.00379760
48 PUBLISHING	.00043584	.00047959	.00048856	.00138320	.00095545	.00089744	.00051624	.00047041
49 PRINTING	.00181437	.00170378	.00249214	.00378181	.00221067	.00270815	.00232449	.00212411
50 MANFLO BUS FM	.00072349	.00070415	.00043713	.00091506	.00095700	.00144823	.00065250	.00055677

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS (TEXAS, 1979)

	SECTOR 65 *	SECTOR 66 *	SECTOR 67 *	SECTOR 68 *	SECTOR 69 *	SECTOR 70 *	SECTOR 71 *	SECTOR 72 *
51 OTH PRINT,PUBS	.00048178	.00028114	.00028862	.00038041	.00032049	.00037871	.00036308	.00030563
52 CHLOR,ALKALIE	.00888202	.00184852	.00090497	.00061869	.0013570	.00111282	.00078579	.00130119
53 CYCCRD INT,IG	.04313169	.00338500	.01834665	.00190120	.00119284	.00098988	.00094681	.00082046
54 ORG CHEM	.08185148	.03338434	.03338463	.00650230	.01024634	.00717008	.00727730	.00746545
55 INORG CHEM	.00376955	.00357970	.00270946	.00139485	.0013611	.00211284	.00172465	.00367180
56 FIBERS,PLASTI	.00239034	.02017378	.16455159	.00901177	.00151696	.00270380	.00146321	.00115504
57 SYN RUBBER	.15229485	.01389873	.00020963	.00020654	.00031029	.00030051	.00039190	.00041603
58 DRUGS	.00029007	.00026096	.00026516	.00036154	.00034874	.00036786	.00031725	.00033512
59 AGRI CHEMICAL	.00144509	.00134605	.00238894	.00200160	.00169886	.00160289	.00154278	.00147295
60 SPS,CLNS,TOIL	.00105557	.00082080	.00085034	.00100843	.00105605	.00104076	.00089859	.00097328
61 PAINT,WARNISH	.00091756	.00082651	.00082651	.00092313	.00126770	.00106716	.00096072	.00092283
62 OTH CHEMICALS	.02366855	.00265870	.01243222	.00135136	.00241651	.00436709	.00236259	.00421271
63 PETRO REFING	.11518115	.04326688	.05478719	.04110067	.04712278	.05235943	.04621798	.05250555
64 OTH PETRO PRD	.00039846	.00031421	.00027131	.00020909	.00037031	.00092812	.00029946	.00111094
65 TIRES	1.00175274	.00075702	.00087940	.00103716	.00149468	.00178942	.00210518	.00242893
66 FAB RUBBER PR	.00039532	1.00036497	.00023125	.00148617	.00031702	.00044217	.00164196	.00053723
67 PLASTIC PRODS	.00247517	.00437653	1.00696360	.00266207	.00296209	.01210103	.00410569	.00266399
68 LEATHER,L PRD	.00026132	.00057607	.00022646	1.11753351	.00072784	.00028324	.00026266	.00026276
69 GLASS	.00093086	.00102345	.00081201	.00095637	1.00654380	.00100699	.00090783	.00091773
70 CLAY	.00028229	.00032769	.00027323	.00029832	.00306594	1.00433334	.00032522	.00064021
71 CUT ST,CL,SH	.00072853	.00085967	.00075527	.00073335	.00085159	.01053927	1.00901952	.00463749
72 CEMENT,CONCRT	.00073811	.00087918	.00070679	.00061441	.00067437	.00096941	.00422355	1.09182233
73 BLAST FURNACE	.00128759	.00181357	.00092446	.00053038	.00117216	.00142587	.00114328	.00182578
74 PRI STEEL,IRO	.00043919	.00474312	.00037985	.00020879	.00032959	.00033027	.00231114	.00093916
75 FOUNDRIES	.00090568	.00120551	.00066693	.00037441	.00073590	.00073901	.00087440	.00079619
76 NONFER SHELTLG	.00113814	.00129986	.00074932	.00059779	.00078858	.00061395	.00083960	.00062746
77 AL SMLT ROL DR	.00173550	.00376734	.00159723	.00233027	.00133677	.00132236	.00190098	.00137093
78 CAST,FORGINGS	.00015415	.00059946	.00013538	.00085837	.00015916	.00020490	.00025747	.00025747
79 FABRI STEEL	.00037205	.00325038	.00030028	.00021415	.00034346	.00035992	.00030211	.00040153
80 PLATE WORK	.00025075	.00133516	.00011767	.00008359	.00024202	.00012390	.00012538	.00012357
81 SH MET,ARCH	.00132868	.00214996	.00126948	.00108647	.00025548	.00139422	.00136507	.00134318
82 METAL DOORS	.00010325	.00009342	.00009270	.00011766	.00011516	.00012120	.00010743	.00011278
83 FAB MET PROD	.00609639	.00296619	.00230275	.00263242	.00271400	.00274048	.00257886	.00257886
84 PLUMBING	.00023129	.00032587	.00022386	.00020992	.00030088	.00027839	.00054107	.00023437
85 BOLTS,NUTS,SC	.00071359	.000205938	.00079648	.00136204	.00100022	.00078912	.00077634	.00083815
86 ELCTPLT,CT,EN	.00020943	.00033850	.00028590	.00015551	.00021513	.00050523	.00021892	.00071193
87 VALVE,PIPE FT	.00136296	.00193373	.00123372	.00076896	.00210522	.00194623	.00248690	.00171787
88 OTH FAB MET P	.00062903	.00085805	.00052464	.00088516	.00064731	.00065391	.00064948	.00065063
89 FH,CONS,IND M	.00028162	.00026535	.00031922	.00030007	.00031726	.00087041	.00036003	.00124264
90 MTL HDL MC,EQ	.00012980	.00007156	.00010724	.00007476	.00024267	.00066490	.00017780	.000101631
91 MTN MACH,EQUP	.00073008	.00061928	.00050240	.00031190	.00052406	.00025026	.00072587	.00010835
92 ENGINES	.00035806	.00021488	.00037664	.00015586	.00040609	.00140902	.00049972	.00188977
93 METAL WK MACH	.00022124	.00038220	.00020550	.00014563	.00023574	.00026822	.00027306	.00029435
94 IND PROC MACH	.00847021	.00039277	.00648726	.00036580	.00246297	.00096141	.00067791	.00028429
95 GEN IND MACH	.00158718	.00177389	.00126209	.00120466	.00454599	.00389789	.00158457	.00216448
96 REFRIG MACH	.00017706	.00015606	.00016252	.00019614	.00020915	.00023545	.00019461	.00021140
97 COMPU,ACCT MACH	.00099187	.02847440	.00051377	.00059460	.00105747	.000161904	.00058499	.000191224
98 ELEC INST,AP	.00167324	.00168885	.00114428	.00092535	.00103334	.0015821	.00111457	.000185007
99 ELEC HSLD EQ	.00020483	.00018088	.00019259	.00025712	.00024613	.00036034	.00024870	.00030554
100 ELEC CONH EQ	.00090317	.00086030	.00083468	.00069961	.00093431	.00010048	.00090615	.00094955

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 65 *	SECTOR 66 *	SECTOR 67 *	SECTOR 68 *	SECTOR 69 *	SECTOR 70 *	SECTOR 71 *	SECTOR 72 *
101 OTH ELEC APP	.00044229	.00046795	.00038991	.00032673	.00052012	.00073548	.00054689	.00088628
102 AIRCRAFT	.00001761	.00001138	.00001205	.00001143	.00001020	.00001133	.00001091	.00001111
103 AIRCRAFT ENG	.00000089	.00000081	.00000135	.00000128	.00000094	.00000089	.00000086	.00000081
104 OTH AIRCRAFT	.00004986	.00004907	.00005051	.00005390	.00004923	.00006065	.00005117	.00005396
105 MOTOR VHCL,P	.00391799	.00372667	.00388208	.00503626	.00564266	.00637507	.00623119	.00670179
106 SHIP,BT BLDG	.00030208	.00021563	.00026022	.00028871	.00028291	.00035414	.00034467	.00043350
107 OTH TRANS EQ	.00109749	.00093949	.00102749	.00132768	.00133708	.00144023	.00123121	.00140517
108 SCIENTIF INS	.00006775	.00005189	.00005806	.00007021	.00007679	.00014418	.00008262	.00008817
109 MECH HSRG DV	.00010021	.00011383	.00008654	.00007128	.00010769	.00014073	.00013521	.00014765
110 MEDICAL INST	.00058919	.00053333	.00054093	.00066729	.00071023	.00097157	.00068272	.00072792
111 PHO,TH,OPT I	.00024789	.00026532	.00024038	.00029241	.00030363	.00040021	.00031428	.00033012
112 GAMES,TOYS	.00010882	.00010135	.00010072	.00013838	.00013487	.00014648	.00012291	.00012848
113 OTH MFG IND	.00151259	.00097268	.00141703	.00132896	.00123949	.00140340	.00181472	.00101900
114 RAIL TRANS	.01668287	.00362393	.02329299	.00743798	.01842539	.03898679	.02960822	.04845690
115 INTERCTY HGY	.00110465	.00057711	.00068398	.00081629	.00084835	.00096621	.00083433	.00095546
116 MOTOR FRT STR	.02005838	.02196763	.02214866	.03186164	.06109416	.05836962	.08406032	.09482702
117 WATER TRANS	.00446628	.00193179	.00357480	.00233393	.00237195	.00477486	.00535523	.00823812
118 AIR TRANS	.00593580	.00669844	.00680897	.00737788	.00665907	.00767743	.00687320	.00721992
119 PIPELINE TRN	.00321246	.00169960	.00358885	.00208480	.00171353	.00280002	.00543640	.00428968
120 LOC,SUB TRAN	.00057390	.00053098	.00053202	.00074096	.00071326	.00072577	.00063483	.00066167
121 OTH TRAN SER	.00081175	.00064063	.00528997	.00334765	.00083710	.00160491	.00148727	.00166474
122 TELEP,TELEGR	.00899897	.01013387	.01129286	.01415087	.01175344	.01484090	.01532981	.01326429
123 RADIO , TV	.00127522	.00106507	.00138910	.00137569	.00187294	.00228548	.00179994	.00174127
124 OTH COMMUNIC	.00025064	.00023007	.00024542	.00030621	.00030356	.00032415	.00029360	.00029794
125 GAS SERVICES	.04294274	.02142501	.03864485	.02684364	.11018941	.10335274	.05749547	.07462208
126 ELEC SERVICES	.04217135	.02343937	.03242345	.02722782	.05535986	.03781049	.04247156	.04780201
127 WATER,SANI SERV	.00572951	.00607021	.00801380	.00771850	.00798681	.00841524	.00836985	.00814734
128 WHL AUT PT,S	.01053015	.00868215	.00953856	.01254545	.01174008	.01216203	.01176335	.01181438
129 WHL GRD,RELP	.01138275	.00806654	.00917883	.01244445	.01156158	.01103003	.00991756	.01010306
130 WHL FM PROD	.00170774	.00094464	.00190365	.00165984	.00104171	.00137489	.00263242	.00190889
131 WHL LIVESTOC	.00019122	.00016635	.00020054	.00047759	.00020800	.00023005	.00026721	.00024378
132 WHL MAC,EQ,S	.00964609	.00595131	.01424202	.01769321	.00717096	.00862584	.01483353	.01167310
133 WHL PET,PETP	.01096755	.00835862	.01023254	.01188248	.01173043	.01343658	.01555903	.01313075
134 GEN WHL	.05282837	.03170076	.04580762	.05030113	.05908778	.03557143	.07402329	.04035693
135 LUMBER YARDS	.00203690	.00170155	.00189743	.00283095	.00250446	.00243499	.00214837	.00253982
136 FARM EQ DEAL	.00183563	.00113001	.00150561	.00174681	.00156864	.00151351	.00137427	.00139598
137 HDW,HT,E,P,W	.00054286	.00049937	.00051296	.00086928	.00066693	.00062317	.00064655	.00069380
138 DEPT,VAR STO	.01145152	.00966805	.01015523	.01936608	.01500717	.01284874	.01162054	.01182803
139 FOOD STORES	.01329998	.01155115	.01191243	.01759411	.01667048	.01565097	.01385072	.01429645
140 AUTO DEAL,RP	.01137045	.01000578	.01596877	.01489038	.01330078	.01550153	.01351967	.02454283
141 GAS SER STAT	.00287440	.00217158	.00353654	.00294768	.00287089	.00317772	.00295853	.00295570
142 APPRL ACC ST	.00567998	.00524562	.00524754	.00975482	.00714207	.00713294	.00627482	.00652833
143 FURN,HM F,EQ	.00374103	.00343696	.00340968	.00516392	.00471413	.00482077	.00492334	.00421131
144 EAT,DRINK PL	.01396984	.01379838	.01334022	.01867086	.01723200	.01796677	.01596654	.01624672
145 OTHER RETAIL	.01633922	.00922283	.01172406	.01863273	.01538806	.01199498	.01125188	.01099270
146 BANK,CRD AGE	.05653942	.03865948	.05203637	.07240241	.05545985	.06675505	.09357310	.07081227
147 INSURANCE CA	.01732183	.01661000	.01810822	.04065295	.01985786	.02526090	.02723662	.02229014
148 F.I.R.E. NEC	.03666670	.03001588	.03440193	.04587630	.04692355	.04977761	.04923953	.04950158
149 LEGAL SERVIC	.00593463	.00698292	.00581698	.00658395	.00707306	.00803309	.00915498	.00856704
150 LODGING SERV	.00414360	.00495260	.00429539	.00537020	.00526419	.00722781	.00494886	.00502437

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS (TEXAS, 1979)

	SECTOR 65 *	SECTOR 66 *	SECTOR 67 *	SECTOR 68 *	SECTOR 69 *	SECTOR 70 *	SECTOR 71 *	SECTOR 72 *
151 PERSONAL SER	.00574716	.00603281	.00737164	.00704550	.00897752	.00649755	.00670891	.00670891
152 ADVERTISING	.00099893	.00214332	.00222591	.00141806	.00292225	.00170817	.00165595	.00165595
153 DUPL ADDRESS	.00039977	.00038436	.00052381	.00051142	.00052349	.00049657	.00051251	.00051251
154 PRI EML AGE	.00049737	.00107355	.00056441	.00052474	.00062234	.00069571	.00063604	.00063604
155 PHOTO SERVIC	.00186809	.00192417	.00231839	.00214750	.00243317	.00246280	.00240140	.00240140
156 RESRCH,DEVEL	.00030806	.00045033	.00021788	.00019703	.00028931	.00067278	.00054847	.00054847
157 OTHER BUS SE	.00510872	.00634935	.00594943	.00727727	.00701233	.00779014	.00746450	.00746450
158 MTN PCT-AM,R	.00422516	.00392518	.00547437	.00523773	.00536231	.00471603	.00489864	.00489864
159 AUTO RENT SE	.00197515	.00378268	.00208909	.00211239	.01083257	.00814435	.00414823	.00414823
160 AUTO PARKING	.00031348	.00028971	.00040896	.00038604	.00039390	.00035566	.00036248	.00036248
161 ELEC REP SHP	.00122066	.00123162	.00142707	.001318793	.00187693	.00221624	.00135277	.00135277
162 MISC REP SER	.00381015	.00441915	.00340738	.00473469	.02336655	.00585393	.01738876	.01738876
163 PHYS,DENT SE	.00770984	.00710234	.00996489	.00975883	.00983045	.00852807	.00884880	.00884880
164 HOSP,LAB SER	.01787478	.01648648	.02311505	.02219643	.02248540	.01976744	.02055980	.02055980
165 OTH MED SERV	.00794260	.00731383	.01023454	.00984559	.00994328	.00876290	.00911324	.00911324
166 ED(PUB,PR1)	.01802329	.01633490	.01863563	.02382556	.03685035	.02324808	.02532180	.02532180
167 COLL,UNIV	.00888107	.00837490	.01070882	.01179817	.02514068	.01308040	.01384923	.01384923
168 OTH ED SERV	.00140227	.00129411	.00181002	.00174199	.00176178	.00155040	.00161260	.00161260
169 ENG,ARCH SER	.00288400	.00387516	.00264046	.00297268	.00550175	.00408905	.00716775	.00716775
170 COMPU,ACCT SERV	.00681448	.00667317	.00837425	.00988731	.01245486	.00936853	.00936489	.00936489
171 OTH PROF SER	.00057960	.00008832	.00015520	.00010621	.00010008	.00012809	.00010553	.00010553
172 OTHER SERVIC	.01002271	.00952796	.01273910	.01220237	.01308816	.01295062	.01307041	.01307041
173 ORD,ORD ACCS	.00000640	.00000550	.00000638	.00000703	.00000709	.00000676	.00000677	.00000677
174 OUTDOOR REC	.00087812	.00084536	.00097554	.00114302	.00233854	.00135378	.00145647	.00145647
175 SCRAP	.00033454	.00067119	.00035919	.00025404	.00048169	.00116512	.00083903	.00083903
176 HOUSEHOLDS	.51183994	.47175108	.66097340	.63632026	.64274921	.56455074	.58768601	.58768601
TOTAL DIR/IND/IND REQ	2.73554315	2.52441655	2.76820717	2.80589554	2.90366861	2.70594801	2.92390669	2.92390669

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 73 *	SECTOR 74 *	SECTOR 75 *	SECTOR 76 *	SECTOR 77 *	SECTOR 78 *	SECTOR 79 *	SECTOR 80 *
1 IRR COTTON	.00046778	.00019369	.00064205	.00023891	.00020037	.00032266	.00027359	.00030837
2 IRR FOOD GRAIN	.00077133	.00029638	.00102217	.00037386	.00024811	.00047180	.00041060	.00048674
3 IRR FEED GRAIN	.00088192	.00046355	.00122638	.00064769	.00047319	.00083459	.00066857	.00080037
4 OTHER IRR CROP	.00187883	.00139375	.00280195	.00196287	.00153665	.00265281	.00199231	.00241444
5 DRYLAND COTTON	.00027856	.00011627	.00037888	.00014690	.00011126	.00019444	.00016232	.00018851
6 DRY FOOD GRAIN	.00034868	.00024106	.00047194	.00018739	.00012839	.00020299	.00020662	.00024084
7 DRY FEED GRAIN	.00088417	.00041279	.00120437	.00054249	.00038156	.00069796	.00057403	.00068387
8 OTHER DRY CROP	.00120716	.00089495	.00178279	.00128036	.00098202	.00168717	.00128293	.00153947
9 RANGE LIVESTOCK	.00448091	.00285440	.00640742	.00399086	.00300519	.00531968	.00404612	.00485334
10 FEEDLOT LIVESTOCK	.00615421	.00338555	.00857431	.00460809	.00337376	.00606145	.00473893	.00568479
11 DAIRY	.00216114	.00142228	.00309610	.00201123	.00152737	.00268050	.00203797	.00243134
12 POULTRY, EGGS	.00141250	.00101673	.00206987	.00145819	.00111474	.00195313	.00146129	.00175229
13 AG SUP EX FMC	.00087153	.00054590	.00124122	.00075322	.00056731	.00099598	.00076868	.00091946
14 COTTON GINNING	.00009107	.00003840	.00012467	.00004807	.00003859	.00006433	.00005400	.00006172
15 AGRY SERVICES	.00084932	.00053626	.00121739	.00075996	.00055685	.00097550	.00077549	.00089770
16 PRIM FORESTRY	.00120094	.00062374	.00159836	.00081022	.00075198	.00083400	.00082596	.00078236
17 FISHERIES	.00044567	.00026049	.00062453	.00035934	.00026758	.00047071	.00036992	.00044035
18 CRUDE PETRO	.05261432	.02505634	.05287642	.04191024	.04196493	.04190931	.03754590	.03406143
19 NATRL GAS LQDS.	.00385009	.00151661	.00495329	.00186239	.00206029	.00233243	.00215449	.00245573
20 OIL, GAS FLDSV	.01117454	.00522316	.01158325	.00847007	.00867469	.00869345	.00777514	.00725861
21 LIGNITE, OTH MINE	.06129177	.00295857	.00613955	.00491806	.00347853	.00221357	.00574271	.00942296
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM, ED, INST	.00000655	.00000409	.00001081	.00001339	.00000404	.00000656	.00001337	.00000503
24 INDUS CONS	.00000004	.00000003	.00000007	.00000009	.00000003	.00000004	.00000009	.00000003
25 FACILITY CONS	.00002606	.00001633	.00004299	.00005315	.00001615	.00002623	.00005306	.00002014
26 MAINTEN, REPR	.01730590	.01081600	.02855725	.03537443	.01068104	.021733403	.03531836	.01328991
27 MEAT PRODUCTS	.01240458	.01113287	.01907686	.01627665	.01282196	.02222610	.01613348	.01939720
28 POULTRY PROD	.00106704	.00094523	.00162804	.00138987	.00109339	.00188749	.00136948	.00164265
29 DAIRIES	.00324376	.00286561	.00491744	.00420879	.00332545	.00570886	.00417286	.00497895
30 OTH GRAIN MIL	.00101928	.00053157	.00139770	.00071599	.00052502	.00093501	.00075912	.00089762
31 ANIMAL FEEDS	.00136990	.00092252	.00198726	.00133428	.00101408	.00176581	.00134353	.00161185
32 BAKERY PROD	.00207885	.00188170	.00318274	.00275626	.00217474	.00376368	.00273105	.00327217
33 CNND, PSVP, PCK	.00173500	.00152254	.00258109	.00221558	.00176719	.00299846	.00221418	.00262280
34 OTH FOOD PROD	.00615638	.00537675	.00935025	.00787220	.00615776	.01068479	.00783704	.00929874
35 BEVERAGES	.00674795	.00591477	.01039270	.00914164	.00682260	.01188346	.00885653	.01031121
36 TEXTILE MILL	.00049946	.00030001	.00082878	.00036977	.00059525	.00068951	.00048662	.00046311
37 MBWMC FURN	.00222757	.00200601	.00345582	.00295553	.00259087	.00405103	.00292748	.00350611
38 RELATED APPRL	.00043068	.00034222	.00065704	.00051535	.00039671	.00068389	.00051653	.00061326
39 LOGGING	.00105319	.00044793	.00141466	.00056000	.00047681	.00059309	.00066206	.00060536
40 LUMBER MILLS	.00037601	.00022492	.00053967	.00036353	.00028274	.00032536	.00039819	.00045125
41 MILLWORK, WOOD	.00302588	.00224036	.00414777	.00310475	.00316974	.00307093	.00345352	.00239549
42 WOOD FURN, FIX	.00057769	.00045865	.00085605	.00076855	.00053756	.00095312	.00075314	.00082278
43 MET FURN, FIX	.00023789	.00019615	.00031460	.00028400	.00022905	.00036905	.00030113	.00031688
44 PAPER, PAP MIL	.00210463	.00130393	.00281250	.00142614	.00167501	.00165165	.00183483	.00187835
45 PAP EX BOX, CT	.00129173	.00374738	.00172356	.00099399	.00097838	.00125762	.00125969	.00127926
46 BOXES, PAP CNT	.00218316	.00145633	.00347628	.00172842	.00343207	.00231112	.00217906	.00217721
47 NEWSPAPERS	.00289304	.00267547	.00432699	.00457088	.00300915	.00504998	.00372434	.00439584
48 PUBLISHING	.00049187	.00033088	.00066058	.00057313	.00069695	.00056583	.00056803	.00068745
49 PRINTING	.00189388	.00141807	.00266366	.00198204	.00171363	.00270227	.00244908	.00258631
50 MANFLD BUS FHM	.00047837	.00033668	.00063073	.00049983	.00048042	.00084655	.00069831	.00059411

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 73 *	* SECTOR 74 *	* SECTOR 75 *	* SECTOR 76 *	* SECTOR 77 *	* SECTOR 78 *	* SECTOR 79 *	* SECTOR 80 *
51 OTH PRNT,PUBS	.00030684	.00020736	.00039926	.00042869	.00032380	.00034370	.00032628	.00035687
52 CHLOR,ALKALIE	.00190017	.00062458	.00165380	.00088629	.01776150	.00149127	.00439534	.00097713
53 CYCCRO INT,IG	.00205434	.00106189	.00300303	.00092327	.00158023	.00109681	.00129974	.00119226
54 ORG CHEM	.01312807	.00579410	.01636689	.00630618	.00974635	.00797576	.00734424	.00855743
55 INORG CHEM	.00609250	.00152148	.00283527	.00307914	.00160100	.00162110	.00157896	.00215152
56 FIBERS,PLASTI	.00222105	.00600842	.00335153	.00127291	.01677526	.00211282	.00159912	.00156046
57 SYN RUBBER	.00036062	.00016677	.00049278	.00020816	.00019265	.00023327	.00024594	.00027273
58 DRUGS	.00025213	.00021608	.00038444	.00031725	.00024823	.00043227	.00032066	.00037554
59 AGRI CHEMICAL	.00154412	.00106969	.00221402	.00147877	.00114206	.00202806	.00151147	.00177656
60 SPS,CLNS,TOIL	.00089146	.00062734	.00131581	.00087560	.00078944	.00121120	.00094765	.00132859
61 PAINT+VARNISH	.00089256	.00065649	.00381556	.00104898	.00070935	.00110151	.00151797	.00116550
62 OTH CHEMICALS	.00430289	.00100051	.00237268	.00118784	.00107055	.00127752	.00134317	.00158540
63 PETRO REFING	.05309674	.03015706	.06308734	.03859678	.06591757	.05120601	.04463409	.04980504
64 OTH PETRO PRD	.00053704	.00019415	.00051104	.00043935	.00036672	.00032461	.00044461	.00027810
65 TIRES	.00120773	.00076234	.00134767	.00097123	.00088860	.00130884	.00113136	.00120366
66 FAB RUBBER PR	.00055175	.00019382	.00467936	.00028395	.00034304	.00032844	.00036277	.00066827
67 PLASTIC PRODS	.00274958	.01183290	.00447788	.00248692	.00203045	.00411436	.00310080	.00303514
68 LEATHER,L PRD	.00024514	.00017444	.00037506	.00026602	.00021057	.00033559	.00028292	.00030759
69 GLASS	.00104817	.00065470	.00152344	.00097788	.00074326	.00122104	.00101532	.00109971
70 CLAY	.00051768	.00022200	.00049776	.00047046	.00022403	.00036671	.01193716	.00033758
71 CUT ST,CL,SH	.00354136	.00140168	.00197618	.00109206	.00339454	.00119998	.00592254	.00447314
72 CEMENT,CONCRT	.00104080	.00051295	.00137293	.00133490	.00056754	.00080972	.00137924	.00071418
73 BLAST FURNACE	1.09534619	.02752118	.01188855	.00091288	.00139695	.00109410	.03702092	.14247206
74 PRI STEEL,TRD	.00054136	1.00029186	.02109647	.00055437	.00025418	.00307526	.01481203	.00982839
75 FOUNDRIES	.00305744	.00043231	1.00694831	.00051186	.00049556	.00539999	.00101074	.00148042
76 NONFER SMELTG	.00144338	.00094332	.00192728	1.06478935	.03413489	.00435735	.00091393	.00091878
77 AL SMLT ROL DR	.00221869	.00103148	.00439910	.00835805	1.20797192	.04091535	.00251674	.00161886
78 CAST,FRGINGS	.00044747	.00021342	.00056302	.00014941	.00036113	1.00093064	.00229523	.00043995
79 FABRI STEEL	.00560970	.00155764	.00546619	.00036973	.00026097	.00043159	1.03043773	.00126616
80 PLATE WORK	.00025231	.00009138	.00033995	.00013467	.00033354	.00014168	.00067559	1.00205232
81 SH MET,ARCH	.00179137	.01976836	.00340700	.00185388	.00099849	.00244468	.C2302204	.00242143
82 METAL DOORS	.00009637	.00007377	.00013398	.00012457	.00010327	.00014483	.00012567	.00012145
83 FAB MET PROD	.00268275	.00171397	.00391707	.00243308	.00262959	.00351244	.00702512	.00338030
84 PLUMBING	.00024873	.00015133	.00044901	.00030686	.00022297	.00037109	.00041468	.00055563
85 BOLTS,NUTS,SC	.00108023	.00078951	.00145343	.00065942	.00078029	.00088905	.00155510	.00094598
86 ELCTPLT,CT,EN	.00051590	.00029941	.00046408	.00019733	.00015480	.00028655	.00062115	.00029427
87 VALVE,PIPE FT	.00172752	.00083946	.00202712	.000131923	.00135340	.00139403	.00221794	.00579499
88 OTH FAB MET P	.00058981	.00043078	.00104186	.00059591	.00051295	.00076583	.00061818	.00093542
89 FM,CONS,IND M	.00075338	.00022061	.00058621	.00115288	.00031887	.00035386	.00048597	.00037835
90 MTL HDL MC,EQ	.00056830	.00007541	.00021866	.00010662	.00107081	.00011605	.00014854	.00016306
91 MIN MACH,EQU	.00201357	.00040077	.00148556	.00059880	.00052110	.00075154	.00067795	.00072727
92 ENGINES	.00116737	.00038178	.00183912	.00048548	.00041268	.00030145	.00076132	.00071257
93 METAL WK MACH	.00036202	.00666803	.00090521	.00022451	.00020034	.00239902	.00172801	.00160090
94 IND PROC MACH	.00041582	.00027383	.00059830	.00037052	.00035752	.00035882	.00043263	.00099639
95 GEN IND MACH	.00276753	.00102799	.00234553	.00114425	.00144232	.00172399	.00151783	.00178312
96 REFRIG MACH	.00020314	.00012332	.00028640	.00021979	.00015153	.00022928	.00023683	.00021454
97 COMPU,ACCT MACH	.00202267	.00068918	.01801352	.00099145	.00083003	.03399792	.00307656	.00110523
98 ELEC INST,AP	.00170322	.00083963	.00260016	.00204140	.00904843	.00155104	.01327609	.00109996
99 ELEC HSLD EQ	.00020682	.00017531	.00028855	.00022694	.00020171	.00036759	.00024324	.00030193
100 ELEC COMM EQ	.00102690	.00062259	.00173068	.00086543	.00135066	.00108169	.00110954	.00095746

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 73 *	SECTOR 74 *	SECTOR 75 *	SECTOR 76 *	SECTOR 77 *	SECTOR 78 *	SECTOR 79 *	SECTOR 80 *
101 OTH ELEC APP	.00077807	.00034255	.00076640	.00044350	.00039072	.00047421	.00052233	.00048367
102 AIRCRAFT	.00002956	.00000867	.00003965	.00001509	.00000841	.00001265	.00001064	.00001503
103 AIRCRAFT ENG	.00000101	.00000059	.00003912	.00000083	.00000062	.00000125	.00000086	.00000101
104 OTH AIRCRAFT	.00005380	.00004114	.00007437	.00005287	.00003995	.00006049	.00004742	.00006035
105 MOTOR VHCL,P	.00380363	.00322869	.00551152	.00539349	.00381391	.00623323	.00476289	.00535137
106 SHIP,BT BLDG	.00057419	.00024756	.00034724	.00024729	.00036524	.00038250	.00044796	.00063907
107 OTH TRANS EQ	.00102453	.00085233	.00142103	.00119175	.00096755	.00155628	.00129373	.00138885
108 SCIENTIF INS	.00008105	.00004890	.00010066	.00006897	.00005738	.00008592	.00006881	.00007711
109 MECH HSRG DV	.00017218	.00006916	.00024122	.00008482	.00009141	.00010076	.00011832	.00011414
110 MEDICAL INST	.00053884	.00043321	.00073846	.00060966	.00056291	.00083288	.00064701	.00080843
111 PHO, TM, OPT I	.00023279	.00020057	.00032079	.00026718	.00022579	.00037567	.00030297	.00031933
112 GAMES, TOYS	.00009183	.00008262	.00013917	.00012112	.00009570	.00016445	.00012075	.00014232
113 OTH MFG IND	.00102293	.00071029	.00496462	.00125861	.00100840	.00152288	.00274288	.00120997
114 RAIL TRANS	.02918224	.02561187	.01105779	.01897729	.02546862	.01170141	.04788286	.01328599
115 INTERCTY HBY	.00066314	.00067191	.00084316	.00077851	.00098736	.00098647	.00092512	.00089855
116 MOTOR FRT STR	.02631749	.02575915	.04013961	.01861696	.02764175	.04054363	.03184544	.02955561
117 WATER TRANS	.01469693	.00415253	.00412481	.00205930	.00758006	.00432000	.00911659	.00559351
118 AIR TRANS	.00499127	.00565921	.00708642	.00679798	.00542340	.00824305	.00632195	.00801310
119 PIPELINE TRN	.00242102	.00368266	.00309180	.00163885	.00269020	.00410506	.00261833	.00404578
120 LOC, SUB TRAN	.00047579	.00043388	.00073933	.00064653	.00050064	.00087299	.00063043	.00075821
121 OTH TRAN SER	.00103675	.00118746	.00111324	.00081322	.00102757	.00118480	.00140889	.00111157
122 TELEP, TELEGR	.00933581	.00901891	.01291522	.01041012	.00947494	.01734805	.01210207	.01427519
123 RADIO, TV	.00118247	.00120950	.00169181	.00187416	.00125743	.00213507	.00147650	.00178472
124 OTH COMMUNIC	.00022051	.00018802	.00032452	.00028212	.00021626	.00038537	.00028709	.00033167
125 GAS SERVICES	.05105867	.02988689	.03823952	.05972662	.05485787	.05387226	.04658860	.03542592
126 ELEC SERVICES	.06134489	.03164824	.05220890	.05889178	.09721738	.05005182	.06611582	.03788626
127 WATER, SANI SERV	.00525154	.00498290	.00737202	.00882313	.00656073	.01111825	.00651565	.00764106
128 WHL AUT PT, S	.00848011	.00791979	.01337045	.01131690	.02198469	.01523487	.01065119	.01278413
129 WHL GRO, RELP	.00733507	.00676264	.01126913	.01042011	.00771344	.01316870	.00955362	.01167402
130 WHL FM PROD	.00126346	.00169825	.00177508	.00095794	.00109408	.00205366	.00135858	.00200689
131 WHL LIVESTOC	.00019919	.00018922	.00028661	.00019309	.00016255	.00029722	.00020966	.00027392
132 WHL HAC, EQ, S	.01239906	.00846107	.03808894	.00610867	.00780991	.01245702	.02498913	.03316696
133 WHL PET, PETP	.01060941	.00871684	.01302122	.01327857	.00913414	.01385967	.01169925	.01343053
134 GEN WHL	.07149787	.02775522	.08681322	.03800308	.03951294	.05618043	.07850392	.07532427
135 LUMBER YARDS	.00182396	.00143749	.00275770	.00420229	.00199285	.00285910	.00232536	.00288604
136 FARM EQ DEAL	.00113554	.00140959	.00247397	.00152198	.00115260	.00182705	.00152546	.00177181
137 HDW, HT, E, P, W	.00127374	.00044541	.00235042	.00058392	.00124832	.00132432	.00118587	.00266880
138 DEPT, VAR STO	.01038972	.00805895	.01580328	.01138697	.01103122	.01674815	.01256303	.01798965
139 FOOD STORES	.01038669	.00949490	.01611735	.01386531	.01092430	.01891538	.01367545	.01658187
140 AUTO DEAL, RP	.00980222	.00889866	.01422053	.014477294	.01425046	.02005519	.01489345	.01497299
141 GAS SER STAT	.00202952	.00200173	.00320502	.00284445	.00207712	.00329618	.00266267	.00322353
142 APPRL ACC ST	.00470110	.00428680	.00730769	.00630478	.00496055	.00862494	.00622029	.00749088
143 FURN, HM F, EQ	.00339220	.00277419	.00516600	.00408052	.00398261	.00578671	.00425968	.00561728
144 EAT, DRINK PL	.01169652	.01103465	.01819579	.01535525	.01265790	.02165701	.01587203	.01941791
145 OTHER RETAIL	.00841809	.00757905	.01409427	.01062003	.00888530	.01473097	.01072001	.01352813
146 BANK, CRD AGE	.05115295	.04144095	.06088430	.06371677	.04753295	.13044473	.05184808	.07066167
147 INSURANCE CA	.01526677	.02017646	.02654805	.02020122	.01749436	.03145166	.02848654	.02848654
148 F. I. R. E. NEC	.03401544	.02905874	.04451251	.04051887	.03721259	.07440652	.04059397	.04499536
149 LEGAL SERVIC	.00545064	.00522781	.00739955	.00595549	.00782548	.01025827	.00750779	.00893687
150 LODGING SERV	.00356070	.00362735	.00549983	.00450707	.00374207	.01153284	.00502604	.00637630

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 73 *	SECTOR 74 *	SECTOR 75 *	SECTOR 76 *	SECTOR 77 *	SECTOR 78 *	SECTOR 79 *	SECTOR 80 *
151 PERSONAL SER	.00475471	.00422276	.00764963	.00663963	.00500644	.00882671	.00672178	.00774897
152 ADVERTISING	.00106548	.00114831	.00130213	.00120207	.00202750	.00156651	.00142621	.00145647
153 DUPL, ADDRESS	.00036505	.00031515	.00049956	.00055840	.00044358	.00045752	.00045472	.00054197
154 PRI EML AGE	.00041744	.00046174	.00059288	.00048305	.00042015	.00085152	.00107420	.00072300
155 PHOTO SERVIC	.00162686	.00164859	.00232658	.00203520	.00172762	.00305132	.00211523	.00252592
156 RESRCH,DEVEL	.00024273	.00046584	.00039563	.00121002	.00045863	.00049292	.00228643	.00047138
157 OTHER BUS SE	.00521249	.00631115	.00719492	.00676668	.00460522	.01752453	.00746637	.00837800
158 MTN PCT,AM,R	.00351361	.00320279	.00543888	.00480777	.00370897	.00642386	.00464156	.00561900
159 AUTO RENT SE	.00179901	.00312208	.00268926	.00155705	.00220053	.00397205	.00252268	.00387510
160 AUTO PARKING	.00026116	.00023791	.00040119	.00035009	.00027392	.00048795	.00034186	.00041391
161 ELEC REP SHP	.00098827	.00086911	.00162996	.00139437	.00099712	.00163404	.00138823	.00148781
162 MISC REP SER	.00514012	.00689865	.00948980	.00482807	.00305691	.01615548	.00574549	.00948302
163 PHYS, DENT SE	.00636956	.00581453	.00997276	.00870741	.00675074	.01172364	.00845004	.01016905
164 HOSP, LAB SER	.01479010	.01350415	.02297508	.01989826	.01558497	.02715025	.01957075	.02359326
165 OTH MED SERV	.00655918	.00597413	.01018295	.00879785	.00690353	.01201977	.00867205	.01055612
166 ED(PUB, PRI)	.01763363	.01387077	.02038430	.01955241	.01724350	.02435239	.01921742	.02072579
167 COLL, UNIV	.00931894	.00742298	.01092683	.00955299	.00869479	.01264041	.00997360	.01111436
168 OTH ED SERV	.00116374	.00105892	.00180398	.00155571	.00122383	.00213059	.00153766	.00185064
169 ENG, ARCH SER	.00432319	.00262738	.00338590	.00269142	.00337945	.00414444	.01135858	.00346148
170 COMPU, ACCT SERV	.00629369	.00575908	.00827677	.00773173	.00629040	.01083045	.00819070	.00937967
171 OTH PROF SER	.00008865	.00006026	.00010556	.00008480	.00018436	.00012695	.00008567	.00036150
172 OTHER SERVIC	.00888087	.00800819	.01302600	.01149323	.00931399	.01574282	.01146472	.01338177
173 ORD, ORD ACCS	.0001074	.00000423	.00238320	.00000594	.00000488	.00001921	.00000705	.00000911
174 OUTDOOR REC	.00096734	.00071999	.00110422	.00097235	.00081796	.00130690	.00099239	.00113645
175 SCRAP	.00180808	.00083826	.00760268	.04355598	.00580973	.00117778	.00230637	.00099182
176 HOUSEHOLDS	.42342885	.38605206	.65807339	.56835156	.44572620	.77673797	.56039178	.67508237
TOTAL DIR/IND/IND REQ	2.48547184	2.09120823	2.85277220	2.70161206	2.60877839	3.04502811	2.70869911	2.84561735

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 81 *	* SECTOR 82 *	* SECTOR 83 *	* SECTOR 84 *	* SECTOR 85 *	* SECTOR 86 *	* SECTOR 87 *	* SECTOR 88 *
1 IRR COTTON	.00020309	.00185493	.00015293	.00024903	.00017882	.00028711	.00030226	.00019103
2 IRR FOOD GRAIN	.00029562	.00311314	.00022283	.00033557	.00026777	.00042173	.00047724	.00028187
3 IRR FEED GRAIN	.00054794	.00290934	.00040243	.00053005	.00046813	.00080527	.00083651	.00059545
4 OTHER IRR CROP	.00175132	.00426153	.00132455	.00161674	.00155560	.00265366	.00256709	.00200272
5 DRYLAND COTTON	.00012153	.00108944	.00009176	.00013792	.00010713	.00015260	.00018657	.00011495
6 DRY FOOD GRAIN	.00017901	.00144075	.00018801	.00029416	.00014403	.00022655	.00023899	.00015611
7 DRY FEED GRAIN	.00044725	.00322998	.00033449	.00046926	.00039287	.00065076	.00069611	.00046124
8 OTHER DRY CROP	.00112333	.00272995	.00081955	.00102793	.00093441	.00166974	.00167626	.00127727
9 RANGE LIVESTOCK	.00345582	.01258770	.00253949	.00327900	.00294560	.00516352	.00518356	.00386777
10 FEEDLOT LIVSTK	.00391410	.02006634	.00289270	.00388245	.00341523	.00581509	.00595222	.00428420
11 DAIRY	.00174229	.00570175	.00129074	.00162500	.00146196	.00258649	.00259971	.00195407
12 POULTRY, EGGS	.00127285	.00329713	.00093156	.00116630	.00105854	.00191160	.00190145	.00143902
13 AG SUP EX FMC	.00065262	.00250383	.00048576	.00062826	.00055900	.00096738	.00097657	.00072205
14 COTTON GINNING	.00004047	.00035628	.00003052	.00004768	.00003563	.00005511	.00006096	.00003853
15 AGR SERVICES	.00064321	.00241094	.00047911	.00061803	.00055117	.00095103	.00095291	.00070761
16 PRIM FORESTRY	.00061345	.00397723	.00122438	.00061458	.00061816	.00083685	.00071464	.00053532
17 FISHERIES	.00030755	.00135010	.00022980	.00029704	.00026377	.00043064	.00046073	.00032950
18 CRUDE PETRO	.02258391	.11950377	.02524711	.02306724	.02201856	.04296693	.02755054	.02160772
19 NATRL GAS LQDS.	.00157579	.01486200	.00137828	.00171705	.00141126	.00286688	.00240188	.00159022
20 OIL, GAS FLDSV	.00481983	.02737993	.00520952	.00492705	.00462653	.00909306	.00599719	.00462878
21 LIGNITE, OTH MINE	.00164139	.00698912	.00151793	.00144761	.00155931	.00318902	.00251340	.00270726
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM, ED, INST	.00000587	.00001384	.00000396	.00000470	.00000560	.00000734	.00000543	.00000501
24 INDUS CONS	.00000004	.00000009	.00000003	.00000003	.00000004	.00000005	.00000004	.00000003
25 FACILITY CONS	.00002344	.00005498	.00001581	.00001875	.00002228	.00002931	.00002173	.00002002
26 MAINTEN, REPR	.01551889	.03656347	.01045205	.01241676	.01478323	.01939445	.01433376	.01323067
27 MEAT PRODUCTS	.01461251	.01818973	.01065649	.01287454	.01211763	.02206119	.02133239	.01691861
28 POULTRY PROD	.00123733	.00156617	.00090559	.00108363	.00101114	.00186471	.00181253	.00143173
29 DAIRIES	.00375585	.00474248	.00276542	.00327908	.00307106	.00562706	.00562147	.00431846
30 OTH GRAIN MIL	.00060840	.00338036	.00044988	.00060191	.00052224	.00089045	.00092600	.00065377
31 ANIMAL FEEDS	.00116103	.00346243	.00084769	.00105610	.00097244	.00172983	.00173948	.00130694
32 BAKERY PROD	.00246745	.00291455	.00180372	.00216158	.00203265	.00372140	.00360418	.00285766
33 CNND, PSVP, PCK	.00198706	.00256416	.00150081	.00174428	.00166465	.00295358	.00281478	.00225317
34 OTH FOOD PROD	.00709881	.00962670	.00519873	.00614442	.00572989	.01047127	.01025570	.00806383
35 BEVERAGES	.00893476	.01099727	.00692141	.00677741	.00642878	.01167354	.01136511	.00895408
36 TEXTILE MILL	.00041611	.00157357	.00030157	.00057786	.00032901	.00061332	.00046001	.00040625
37 MBWMC FURN	.00264258	.00320539	.00192088	.00230507	.00216166	.00397587	.00387643	.00308025
38 RELATED APPRL	.00044984	.00078340	.00088674	.00039918	.00037016	.00068630	.00067069	.00052709
39 LOGGING	.00044770	.00404558	.00072381	.00046597	.00045325	.00056444	.00054665	.00037106
40 LUMBER MILLS	.00040021	.00103303	.00027950	.00021340	.00029600	.00032762	.00035255	.00027369
41 MILLWORK, WOOD	.00201034	.00612051	.00568124	.00199186	.00202902	.00316224	.00228707	.00201958
42 WOOD FURN, FIX	.00060261	.00098504	.00048741	.00059550	.00059298	.00091169	.00085435	.00065854
43 MET FURN, FIXT	.00024373	.00033830	.00020544	.00022011	.00021124	.00037556	.00032473	.00026416
44 PAPER, PAP MIL	.00224429	.00744614	.00232684	.00166701	.00245741	.00199597	.00169235	.00164949
45 PAP EX BOX, CT	.00097693	.00314179	.00076822	.00090722	.00090684	.00150334	.00139645	.00100445
46 BOXES, PAP CNT	.00686680	.00915890	.00424361	.00239079	.00873380	.00245585	.00226838	.00244972
47 NEWSPAPERS	.00347265	.00400685	.00246225	.00298499	.00280524	.00497462	.00458943	.00433196
48 PUBLISHING	.00229028	.00142138	.00033931	.00182538	.00057980	.00110637	.00054951	.00062242
49 PRINTING	.00234220	.00341321	.00254633	.00405617	.00335695	.00253570	.00245326	.00519687
50 MANFLD BUS FM	.00064869	.00092114	.00046221	.00054908	.00039079	.00060143	.00059389	.00045692

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 81 *	* SECTOR 82 *	* SECTOR 83 *	* SECTOR 84 *	* SECTOR 85 *	* SECTOR 86 *	* SECTOR 87 *	* SECTOR 88 *
51 OTH PRNT,PUBS	.00034687	.00070823	.00026106	.00028187	.00057264	.00074094	.00036553	.00036704
52 CHLOR,ALKALIE	.00092449	.00528309	.00124697	.00064667	.00090472	.00118787	.00092093	.00067454
53 CYCCRD INT,IG	.00121349	.00859770	.00415452	.00133395	.00107311	.00583846	.00117654	.00108620
54 ORG CHEM	.00631458	.04938973	.01040975	.00646305	.00659551	.02846148	.01419329	.00690889
55 INORG CHEM	.00133998	.00715487	.00125190	.00118100	.00146303	.01702597	.00168101	.00237599
56 FIBERS,PLASTI	.00294173	.01073905	.01805787	.00340929	.00184311	.03833534	.00153920	.00408490
57 SYN RUBBER	.00020494	.00070720	.00070720	.00018539	.00019358	.00038503	.00023485	.00020009
58 DRUGS	.00028158	.00040488	.00029548	.00024680	.00039010	.00042156	.00040998	.00035195
59 AGRI CHEMICAL	.00127068	.00392062	.00096333	.00123159	.00109756	.00188921	.00187324	.00140420
60 SPS,CLNS,TOIL	.00087498	.00204155	.00066691	.00091882	.00067690	.00123317	.00117558	.00094971
61 PAINT+VARNISH	.00378893	.00211597	.01947767	.00260159	.00084783	.02170710	.00139649	.00272537
62 OTH CHEMICALS	.00122661	.00592256	.00112889	.00107566	.00107572	.01363241	.00125676	.00190738
63 PETRO REFING	.03862368	.13046345	.03288376	.03386570	.03100243	.07628466	.04747227	.04027490
64 OTH PETRO PRD	.00020487	.00056853	.00019886	.00018294	.00021563	.00040505	.00023547	.00021404
65 TIRES	.00102432	.00127713	.00359259	.00078897	.00076393	.00203553	.00101392	.00106920
66 FAB RUBBER PR	.00033012	.00146747	.00637224	.00022277	.00022421	.00040620	.00058835	.00042525
67 PLASTIC PRODS	.00522125	.01655174	.00976181	.01552959	.00284414	.00630358	.00313315	.00328736
68 LEATHER,L PRD	.00060192	.00063557	.00058125	.00139398	.00025373	.00044686	.00049936	.00083815
69 GLASS	.00089015	.01328543	.00069309	.00075561	.00079054	.00117818	.00116673	.00088562
70 CLAY	.00104196	.00058591	.00021353	.00023272	.00024785	.00039051	.00033909	.00029483
71 CUT ST,CL,SH	.00321076	.00463425	.00078517	.00080749	.00076804	.00375493	.00282224	.00097706
72 CEMENT,CONCRT	.00067599	.00235727	.00050250	.00058072	.00067578	.00094383	.00071015	.00060330
73 BLAST FURNACE	.00540850	.00413622	.00106713	.00249499	.00263812	.00217408	.01132966	.02501467
74 PRI STEEL,IRO	.00340848	.00130962	.00434992	.00106358	.000858197	.00273734	.00331755	.00458565
75 FOUNDRIES	.00059750	.00294378	.02015562	.00078452	.00061814	.00711668	.06874374	.00802528
76 NONFER SMELTG	.00081820	.00799067	.00204043	.00077419	.00137277	.01436879	.00373956	.00272907
77 AL SMLT ROL DR	.00834006	.06642609	.04604875	.00155250	.01196557	.00217337	.00175836	.00151699
78 CAST,FORGINGS	.00050988	.00095008	.00092322	.01141777	.00127452	.00014849	.00299478	.00020175
79 FABRI STEEL	.06906442	.00215598	.00188376	.00032356	.00045865	.00094611	.00087563	.00139784
80 PLATE WORK	.00018236	.00087960	.00012808	.00367661	.00260557	.00333962	.00084546	.00451723
81 SH MET,ARCH	1.07577564	.00547113	.00872992	.00142083	.00274399	.01015475	.00199448	.00189340
82 METAL DOORS	.00009631	1.00175641	.00007249	.00011346	.00008468	.00014360	.00012973	.00141360
83 FAB MET PROD	.00272439	.00809978	1.00395658	.00201154	.00203906	.01542666	.00446482	.00070854
84 PLUMBING	.00040366	.00071886	.00016957	1.00016899	.00021798	.00027516	.00023918	.00023983
85 BOLTS,NUTS,SC	.00400846	.00714601	.00249489	.00149132	1.00636086	.00080876	.00262032	.00983407
86 ELCTPLT,CT,EN	.00658500	.00340448	.00561261	.00192052	.00698541	1.01412936	.00081295	.07627958
87 VALVE,PIPE FT	.00111488	.00376092	.00133638	.00112686	.00104862	.00134547	1.01110111	.00100992
88 OTH FAB MET P	.00054107	.00191067	.00043350	.00245167	.00089935	.00074530	.00074713	1.04008502
89 FM,CONS,IND M	.00027043	.00060055	.00022585	.00024747	.00023373	.00037056	.00032950	.00028404
90 HTL HDL MC,EQ	.00097640	.00053475	.00011529	.00007017	.00007440	.00011971	.00011022	.00008489
91 MIN MACH,EQU	.00034662	.00289264	.00036106	.00037617	.00035176	.00058746	.01031104	.00034940
92 ENGINES	.00071165	.00134168	.00025112	.00033384	.00018469	.00023333	.00039773	.00023318
93 METAL WK MACH	.00034121	.01109325	.00018298	.00033602	.00458980	.00022152	.00654805	.00588100
94 IND PROC MACH	.00044843	.00156550	.00042202	.00037068	.00045930	.01649784	.00032720	.00148489
95 GEN IND MACH	.00214237	.00397855	.00104912	.00132432	.00105256	.00277736	.00169213	.00127392
96 REFRIG MACH	.00016577	.00045535	.00013209	.00014716	.00193279	.00021808	.00022386	.00019597
97 COMPU,ACCT MACH	.00086790	.00534719	.00115915	.00126320	.00327342	.00119765	.00229639	.00296175
98 ELEC INST,AP	.00208126	.00347817	.00118296	.01626760	.00118379	.001170064	.00115795	.00099536
99 ELEC HSLD EQ	.00027984	.00024370	.00017264	.00021605	.00017876	.00028968	.00028622	.00024505
100 ELEC COMM EQ	.00074947	.00262866	.00067946	.00105162	.00066561	.00096648	.00092913	.00084712

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 81 *	SECTOR 82 *	SECTOR 83 *	SECTOR 84 *	SECTOR 85 *	SECTOR 86 *	SECTOR 87 *	SECTOR 88 *
101 OTH ELEC APP	.00038407	.00180255	.00031398	.00045422	.00035570	.00047287	.00041992	.00507456
102 AIRCRAFT	.00001074	.00011697	.00000871	.00001118	.00000830	.00001380	.00001448	.00001093
103 AIRCRAFT ENG	.00000071	.00000259	.00000127	.00000069	.00000061	.00000130	.00000361	.00000106
104 OTH AIRCRAFT	.00005704	.00013120	.00004197	.00005738	.00004492	.00080076	.00006176	.00010380
105 MOTOR VHCL,P	.00422842	.00504836	.00688981	.00377747	.00339232	.00588993	.00541973	.00461971
106 SHIP,BT,BLOG	.00047165	.00038134	.00026855	.00028844	.00019553	.00033193	.00032535	.00024938
107 OTH TRANS EQ	.00107339	.00147564	.00077325	.00091049	.00249602	.00152373	.00150603	.00121896
108 SCIENTIF INS	.00005692	.00018486	.00005469	.00005357	.00005159	.00007908	.00007479	.00005954
109 MECH HSRG DV	.00011125	.000040737	.00008951	.00008059	.00008359	.00010802	.00010107	.00035023
110 MEDICAL INST	.00063744	.00086963	.00045344	.00048984	.00049311	.00080868	.00073124	.00058814
111 PHO, TM, OPT I	.00025568	.00035296	.00021931	.00026001	.00026072	.00032736	.00030715	.00026402
112 GAMES, TOYS	.00010817	.00012730	.00008010	.00009479	.00008981	.00016075	.00015567	.00012573
113 OTH MFG IND	.00213189	.00257029	.00104595	.00090299	.00197624	.00149704	.00145023	.00257729
114 RAIL TRANS	.01890194	.00876196	.01215902	.01126585	.00817294	.00604762	.00720465	.01262714
115 INTERCTY HGY	.00071020	.00075651	.00051537	.00251455	.00053668	.00093550	.00091842	.00077097
116 MOTOR FRT STR	.03622160	.01867820	.02638122	.02321353	.02761222	.03192349	.02316605	.03097157
117 WATER TRANS	.01066217	.00417627	.00510330	.00490438	.00199695	.00279302	.00277693	.00189380
118 AIR TRANS	.00734398	.00667188	.00509245	.00796001	.00551211	.00836961	.00826727	.00659315
119 PIPELINE TRN	.00248924	.00335099	.00532646	.00328541	.00181505	.00238341	.00236833	.00132093
120 LOC,SUB TRAN	.00057088	.00066098	.00041221	.00049970	.00046673	.00086281	.00084169	.00066525
121 OTH TRAN SER	.00513660	.00143474	.00125404	.00092650	.00092611	.00152946	.00082284	.00072338
122 TELEP, TELEGR	.01364984	.01299092	.00947675	.01058754	.01169333	.01485878	.01313576	.01185427
123 RADIO, TV	.00230249	.00173531	.00131479	.00128121	.00127013	.00174944	.00166507	.00166661
124 OTH COMMUNIC	.00029965	.00033957	.00020403	.00022545	.00022020	.00035628	.00041542	.00027495
125 GAS SERVICES	.02421604	.03150331	.03264189	.02337313	.02551328	.04624142	.02481013	.02261071
126 ELEC SERVICES	.02598581	.03349838	.03207053	.02565775	.03242112	.05618338	.02830401	.02983104
127 WATER,SANI SERV	.00591698	.00669192	.00624971	.00582124	.00758905	.02693372	.00699909	.00807260
128 WHL AUT PT,S	.00988306	.01205570	.00875009	.00845313	.00781746	.01420658	.01357662	.01094137
129 WHL GRO,RELP	.00865361	.01019132	.00687859	.00776267	.00713834	.01349487	.01259905	.01024688
130 WHL FM PRCD	.00125120	.00217972	.00236701	.00157953	.00095180	.00129622	.00137821	.00083483
131 WHL LIVESTOC	.00018840	.00042675	.00020974	.00019392	.00015439	.00024767	.00025780	.00018259
132 WHL MAC,EQ,S	.01328129	.00956275	.01091665	.00907851	.01741154	.01260108	.02074183	.02096677
133 WHL PET,PETP	.00992421	.01179169	.00956069	.00881724	.00753011	.01332790	.01258468	.01087798
134 GEN WHL	.05512755	.03807687	.04554671	.06820222	.03253063	.04870100	.05531139	.06646996
135 LUMBER YARDS	.00186126	.00223543	.00143868	.00189146	.00159837	.00291875	.00285374	.00267822
136 FARM EQ DEAL	.00123942	.00148574	.00094891	.00115399	.00112728	.00271750	.00189627	.00194668
137 HDW,HT,E,P,W	.00069540	.00076035	.00059633	.00133354	.00063912	.00082572	.00185375	.00300018
138 DEPT,VAR STO	.01041683	.01223704	.00800127	.01174378	.00887913	.01600151	.01745817	.01749306
139 FOOD STORES	.01239937	.01441773	.00906858	.01089616	.01014602	.01887486	.01832460	.01463449
140 AUTO DEAL,RP	.01098191	.01342570	.00900744	.01005641	.00864601	.02573391	.01503925	.01303684
141 GAS SER STAT	.00243710	.00311765	.00189039	.00207715	.00196814	.00580064	.00309501	.00283792
142 APPRL ACC ST	.00564659	.00662707	.00412732	.00494512	.00460418	.00854192	.00833930	.00718468
143 FURN, HM F, EQ	.00365159	.00440894	.00276404	.00485789	.00307879	.00549957	.00579451	.00519779
144 EAT, DRINK PL	.01483718	.01708973	.01094528	.01317609	.01368234	.02245061	.02028673	.01679720
145 OTHER RETAIL	.00964786	.01176262	.00809624	.00895648	.00966214	.01557413	.01440297	.01223053
146 BANK, CRD AGE	.05419094	.05536048	.04827350	.04414779	.04578108	.07809992	.07561700	.05162160
147 INSURANCE CA	.02290990	.02436051	.01944390	.01586327	.01953929	.02742343	.02510938	.01872689
148 F.I.R.E. NEC	.03610374	.04254201	.03244552	.03244088	.02874432	.06248051	.04425534	.04279064
149 LEGAL SERVIC	.01084469	.00636086	.00576416	.00553317	.00588368	.01738948	.00858641	.00725795
150 LODGING SERV	.00485140	.00499350	.00384162	.00507939	.00404937	.00617217	.00725169	.00503707

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 81 *	SECTOR 82 *	SECTOR 83 *	SECTOR 84 *	SECTOR 85 *	SECTOR 86 *	SECTOR 87 *	SECTOR 88 *
151 PERSONAL SER	.00582931	.00683898	.00438791	.00509926	.00470119	.00850704	.00834007	.00660243
152 ADVERTISING	.00640756	.00162948	.00139211	.00159502	.00116365	.00138472	.00128163	.00326875
153 DUPL, ADDRESS	.00051034	.00047252	.00033647	.00036659	.00033898	.00058813	.00052128	.00048357
154 PRI EMPL AGE	.00052066	.00050972	.00053277	.00051664	.00045034	.00064110	.00061992	.00046558
155 PHOTO SERVIC	.00210994	.00215338	.00177329	.00186066	.00160898	.00255577	.00249604	.00200069
156 RESRCH, DEVEL	.00028010	.00027783	.00074462	.00040215	.00049536	.00033039	.00026173	.00011733
157 OTHER BUS SE	.00546127	.00721553	.00566052	.00972625	.00622143	.00801838	.00674405	.00470008
158 MTN PCT, AM, R	.00422806	.00488795	.00309510	.00373400	.00350088	.00637907	.00617225	.00598504
159 AUTO RENT SE	.00204989	.00770124	.00360812	.00305252	.00183797	.00235854	.00229275	.00268145
160 AUTO PARKING	.00031174	.00035864	.00022821	.00027133	.00025539	.00047000	.00045729	.00035935
161 ELEC REP SHP	.00115712	.00142787	.00087874	.00104471	.00091021	.00170860	.00160036	.00127261
162 MISC REP SER	.00353933	.00522384	.00550013	.00331301	.00515881	.00429358	.00487949	.00470258
163 PHYS, DENT SE	.00764443	.00892868	.00555324	.00671708	.00623953	.01155829	.01127340	.00888663
164 HOSP, LAB SER	.01775835	.02054956	.01283954	.01551886	.01450939	.02685466	.02619957	.02067727
165 OTH MED SERV	.00786302	.00910360	.00569512	.00687174	.00641537	.01191478	.01163311	.00917101
166 ED (PUB, PRI)	.01714045	.02280045	.01606060	.01481999	.01343184	.02221085	.01917854	.01634663
167 COLL, UNIV	.00844658	.01190397	.00835778	.00801662	.00751802	.01157049	.01056554	.00859728
168 OTH ED SERV	.00139563	.00161212	.00100555	.00121826	.00113755	.00211083	.00205690	.00162344
169 ENG, ARCH SER	.00282149	.00390748	.00322814	.00245776	.00223882	.00351454	.00251808	.00197857
170 COMPU, ACCT SER	.00728603	.00745729	.00650446	.01031302	.01074213	.00852126	.00838249	.00798480
171 OTH PROF SER	.00009610	.00019973	.00009653	.00006796	.00133128	.00010784	.00011317	.00009261
172 OTHER SERVIC	.01075751	.01419772	.00797768	.00914032	.01260661	.01464655	.01416084	.01150704
173 ORD, ORD ACCS	.00000563	.00001184	.00005064	.00000555	.00000491	.00002321	.00016858	.00002388
174 OUTDOOR REC	.00091460	.00120088	.00085657	.00076124	.00067154	.00115209	.00107697	.00094699
175 SCRAP	.00062361	.00083774	.00152594	.00069383	.00041446	.00089430	.00103227	.00033803
176 HOUSEHOLDS	.50751856	.58817196	.36602135	.44402399	.41453463	.769991809	.75154731	.59268586
TOTAL DIR/IND/IND REQ	2.48054943	2.98535824	2.19493845	2.22683455	2.13249927	3.06993350	2.79992777	2.60700248

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 89 *	SECTOR 90 *	SECTOR 91 *	SECTOR 92 *	SECTOR 93 *	SECTOR 94 *	SECTOR 95 *	SECTOR 96 *
1 IRR COTTON	.00031020	.00025207	.00031445	.00017239	.00025582	.00022644	.00025692	.00020813
2 IRR FOOD GRAIN	.00046171	.00036664	.00047731	.00027106	.00038116	.00033655	.00035694	.00028345
3 IRR FEED GRAIN	.00072485	.00068075	.00076023	.00043451	.00085593	.00067572	.00065033	.00052479
4 OTHER IRR CROP	.00206757	.00222803	.00219917	.00137294	.00294404	.00226313	.00211878	.00172302
5 DRYLAND COTTON	.00018110	.00015246	.00018708	.00010517	.00015971	.00013411	.00014293	.00012073
6 DRY FOOD GRAIN	.00023190	.00016494	.00023749	.00013538	.00020843	.00017622	.00019710	.00046451
7 DRY FEED GRAIN	.00064967	.00055968	.00065683	.00038016	.00065377	.00052225	.00053578	.00042859
8 OTHER DRY CROP	.00132189	.00144154	.00141949	.00083189	.00191379	.00141575	.00136984	.00108292
9 RANGE LIVESTOCK	.00425074	.00440970	.00453994	.00268075	.00567427	.00435128	.00415793	.00331582
10 FEEDLOT LIVSTK	.00506931	.00491173	.00539695	.00318869	.00614279	.00486654	.00464724	.00374201
11 DAIRY	.00210057	.00223517	.00225555	.00132770	.00291191	.00219432	.00210964	.00167238
12 POULTRY,EGGS	.00354012	.00165508	.00161694	.00094671	.00216707	.00161013	.00156367	.00122760
13 AG SUP EX FMC	.00098406	.00082739	.00086094	.00050739	.00106106	.00081557	.00121105	.00064782
14 COTTON GINNING	.00006065	.00005044	.00006206	.00003449	.00005256	.00004530	.00004972	.00004088
15 AGR SERVICES	.00101882	.00080772	.00084422	.00050207	.00103548	.00079510	.00077225	.00064149
16 PRIM FORESTRY	.00070376	.00056175	.00078298	.00045538	.00060833	.00069293	.00088578	.00107734
17 FISHERIES	.00038495	.00038851	.00041166	.00024585	.00049549	.00037976	.00036348	.00029599
18 CRUDE PETRO	.02727445	.02258291	.02840763	.01888481	.02631660	.02750017	.02509485	.02121338
19 NATRL GAS LQDS.	.00245713	.00182031	.00239019	.00136677	.00196194	.00174532	.00203762	.00154597
20 OIL,GAS FLDSV	.00598465	.00489064	.00616722	.00404276	.00562210	.00580128	.00536126	.00452150
21 LIGNITE,OTH MINE	.00441951	.00133423	.00241418	.00107208	.00260768	.00292633	.00324944	.00139026
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00000541	.00000412	.00000699	.00000525	.00000565	.00000467	.00000496	.00000565
24 INDUS CONS	.00000004	.00000003	.00000005	.00000004	.00000004	.00000003	.00000003	.00000004
25 FACILITY CONS	.00002160	.00001652	.00002788	.00002088	.00002267	.00001872	.00001986	.00002253
26 MAINTEN,REPR	.01429209	.01087278	.01847363	.01386394	.01492643	.01234670	.01311438	.01493451
27 MEAT PRODUCTS	.01628568	.01903969	.01762287	.01054768	.02566761	.01893492	.01786855	.01411120
28 POULTRY PROD	.00139459	.00161488	.00149463	.00088568	.00219346	.00161905	.00151845	.00118928
29 DAIRIES	.00416252	.00486259	.00451670	.00269781	.00665057	.00488654	.00458200	.00360317
30 OTH GRAIN MIL	.00081693	.00076483	.00084369	.00048935	.00092779	.00073864	.00077878	.00058065
31 ANIMAL FEEDS	.00207897	.00148857	.00149446	.00085872	.00194950	.00146025	.00141230	.00111739
32 BAKERY PROD	.00273788	.00322072	.00297271	.00177018	.00435938	.00320091	.00302486	.00237763
33 CNND,POSP,PCK	.00217177	.00251611	.00236408	.00147982	.00352093	.00263794	.00238319	.00190315
34 OTH FOOD PROD	.00784725	.00910608	.00845935	.00498055	.01221400	.00890809	.00855529	.00671814
35 BEVERAGES	.00870608	.01009511	.00940152	.00549142	.01351000	.00991619	.00951709	.00745434
36 TEXTILE MILL	.00055189	.00053964	.00054238	.00027050	.00051640	.00054230	.00062889	.00049773
37 MBWMC FURN	.00293868	.00345247	.00320948	.00186176	.00461794	.00338220	.00325043	.00255294
38 RELATED APPRL	.00052067	.00059233	.00056664	.00031617	.00078099	.00058756	.00055983	.00197851
39 LOGGING	.00056758	.00041211	.00061014	.00034638	.00040393	.00047800	.00063125	.00060177
40 LUMBER MILLS	.00028179	.00023435	.00039659	.00024544	.00034694	.00032114	.00050497	.00040002
41 MILLWORK,WOOD	.00211312	.00197225	.00242676	.00144955	.00242759	.00251021	.00304306	.00394793
42 WOOD FURN,FIX	.00068044	.00072229	.00074809	.00047087	.00096521	.00079681	.00076454	.00061309
43 MET FURN,FIXT	.00025753	.00029021	.00028466	.00018071	.00038713	.00032725	.00028571	.00060474
44 PAPER,PAP MIL	.00156550	.00137872	.00171235	.00097207	.00150693	.00237133	.00357791	.00162167
45 PAP EX BOX,CT	.00102577	.00124328	.00113855	.00067979	.00125186	.00114663	.00159731	.00083222
46 BOXES,PAP CNT	.00197994	.00229610	.00221146	.00120356	.00255108	.00195999	.01293535	.00478766
47 NEWSPAPERS	.00364455	.00418284	.00392768	.00240240	.00539053	.00421139	.00394591	.00341423
48 PUBLISHING	.00067682	.00056651	.00073565	.00028397	.00059128	.00021440	.00092351	.00052541
49 PRINTING	.00290583	.00239438	.00237417	.00142314	.00276592	.00454788	.00237021	.00210614
50 MANFLD BUS FM	.00047211	.00052360	.00051543	.00034248	.00064903	.00053258	.00054059	.00041756

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 89 *	* SECTOR 90 *	* SECTOR 91 *	* SECTOR 92 *	* SECTOR 93 *	* SECTOR 94 *	* SECTOR 95 *	* SECTOR 96 *
51 OTH PRNT,PUBS	.00033007	.00045748	.00033820	.00050247	.00055828	.00038291	.00030522	.00028049
52 CHLOR,ALKALIE	.00105464	.00068215	.00098327	.00065404	.00729527	.00105920	.00087236	.00092308
53 CYCCRD INT,IG	.00221182	.00079957	.00130633	.00067596	.00074835	.00086277	.00152673	.00148220
54 ORG CHEM	.00961153	.00603252	.00836016	.00468888	.00631240	.00618142	.02135406	.00658426
55 INORG CHEM	.00169473	.00128311	.00173876	.00087898	.00181412	.00137477	.00182698	.00117724
56 FIBERS,PLASTI	.00164124	.00131367	.00199846	.00103571	.00161880	.00174451	.00195732	.00722535
57 SYN RUBBER	.00404118	.00020829	.00035336	.00017791	.00019968	.00020585	.00024165	.00035508
58 DRUGS	.00034037	.00036678	.00040846	.00019916	.00048964	.00039277	.00034855	.00027198
59 AGRI CHEMICAL	.00159496	.00160806	.00164890	.00094763	.00206092	.00158882	.00154733	.00127765
60 SPS,CLNS,TOIL	.00096187	.00099608	.00111494	.00094146	.00129154	.00109673	.00100555	.00077430
61 PAINT+VARNISH	.00127601	.00095126	.00157692	.00063050	.00129567	.00161724	.00522831	.00204983
62 OTH CHEMICALS	.00205921	.00095776	.00126180	.00070712	.00141388	.00111645	.00135439	.00127599
63 PETRO REFINING	.04749990	.04166648	.04475637	.02742517	.05063852	.04450182	.04238194	.03477011
64 OTH PETRO PRD	.00022394	.00017928	.00031845	.00016044	.00025356	.00021748	.00021748	.00047382
65 TIRES	.02604173	.00102603	.00161427	.00085026	.00108083	.00105811	.00120986	.00081057
66 FAB RUBBER PR	.00036502	.00177794	.00168124	.00018392	.00026015	.00070174	.00062081	.01378731
67 PLASTIC PRODS	.00310340	.000281909	.00330767	.00171106	.00382535	.00342574	.00483743	.03662411
68 LEATHER,L PRD	.00039703	.00038716	.00039263	.00016130	.00037677	.00087604	.00040332	.00037057
69 GLASS	.00098167	.00099149	.00106111	.00064817	.00126295	.00098069	.00159891	.00076675
70 CLAY	.00033963	.00027913	.00038442	.00022071	.00037755	.00029599	.00033131	.00029589
71 CUT ST,CL,SH	.00095426	.00074612	.00175373	.00063607	.00106826	.00103032	.02450426	.00097108
72 CEMENT,CONCRT	.00069313	.00054298	.00085487	.00058992	.00069861	.00064205	.00073971	.00064154
73 BLAST FURNACE	.05488450	.00307947	.01295223	.00168737	.01753162	.02583373	.03157505	.00224651
74 PRI STEEL,IRO	.00448979	.01106277	.00513666	.00026562	.00129162	.002093195	.00257135	.00432684
75 FOUNDRIES	.00476659	.00290073	.00927988	.00110417	.00076887	.03337531	.02043012	.00102393
76 NONFER SMELTG	.00091981	.00074008	.00110854	.00087043	.06731445	.00096511	.00255028	.00143067
77 AL SMLT ROL DR	.00317797	.00149427	.00516629	.01228775	.00300898	.00241701	.00312410	.02459243
78 CAST,FORGINGS	.00235775	.00177762	.00786499	.00032620	.01315585	.00024319	.00385319	.00199052
79 FABRI STEEL	.00470832	.00030639	.00468353	.00024956	.00036650	.00067266	.00349874	.00294443
80 PLATE WORK	.00043789	.00015362	.00055342	.00011391	.00027758	.00078156	.01013582	.00019507
81 SH MET,ARCH	.00184084	.00138953	.01448615	.00108635	.00160776	.00297190	.02746942	.00300606
82 METAL DOORS	.00010369	.00011747	.00011943	.00007224	.00015578	.00011873	.00011342	.00009366
83 FAB MET PROD	.00814658	.00741790	.01431448	.00255828	.00340790	.02585580	.00577204	.00361841
84 PLUMBING	.00029309	.00019968	.00037666	.00021186	.00033878	.00032113	.00055867	.00020727
85 BOLTS,NUTS,SC	.00594064	.00357947	.00848322	.00066756	.01644436	.00101076	.00462739	.01222238
86 ELCTPLT,CT,EN	.00033092	.00026590	.00225420	.00022243	.00750067	.00032526	.00147834	.00032291
87 VALVE,PIPE FT	.00105947	.00910983	.01151587	.00112305	.00095723	.00289144	.00704701	.00804737
88 OTH FAB MET P	.00061949	.00061970	.00068691	.00039354	.00258216	.00065385	.00174005	.00141754
89 FM,CONS,IND M	1.00043495	.00030960	.00040256	.00021381	.00127513	.00030715	.00299153	.00032479
90 MTL HDL MC,EQ	.00012081	1.00022434	.00114264	.00005359	.00009005	.00034698	.00127514	.00009976
91 MIN MACH,EQU	.00061608	.00044735	1.001188183	.00032833	.00063606	.00045994	.00071733	.00041114
92 ENGINES	.00086171	.00016236	.00782919	1.00021628	.00018067	.00156992	.00028806	.00043657
93 METAL WK MACH	.00062640	.00245827	.00120872	.00016312	1.00055831	.00051797	.00874902	.00041124
94 IND PROC MACH	.00054657	.00024414	.00039897	.00019367	.00042849	1.001786990	.00138261	.00050396
95 GEN IND MACH	.00408037	.00195890	.00472603	.00321463	.00281673	.00641362	1.00449753	.00570277
96 REFRIG MACH	.00019642	.00018007	.00126168	.00012218	.00025734	.00020034	.00018706	1.001378053
97 COMPU,ACCT MACH	.01861383	.00087457	.01420828	.00413113	.00840242	.00507499	.02211129	.00128341
98 ELEC INST,AP	.01387710	.00128642	.00687464	.00747086	.00108796	.00219413	.00299024	.04188738
99 ELEC HSLD EQ	.00025005	.00024927	.00024225	.00015157	.00032570	.00026645	.00023626	.00031398
100 ELEC COMM EQ	.00101385	.00075164	.00113772	.00155474	.00091387	.00112541	.00106966	.00247599

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 89 *	* SECTOR 90 *	* SECTOR 91 *	* SECTOR 92 *	* SECTOR 93 *	* SECTOR 94 *	* SECTOR 95 *	* SECTOR 96 *
101 OTH ELEC APP	.00045584	.00035061	.00048034	.00035107	.00038652	.00255993	.00687207	.00034137
102 AIRCRAFT	.00001090	.00001137	.00001889	.00000777	.00001501	.00001542	.00001286	.00001077
103 AIRCRAFT ENG	.00000124	.00000098	.00000125	.00000058	.00000115	.00000211	.00000161	.00000072
104 OTH AIRCRAFT	.00004631	.00005152	.00006110	.00003804	.00007767	.00007142	.00005264	.00005045
105 MOTOR VHCL,P	.00510875	.00520613	.00493281	.00502948	.00632730	.00520795	.00500225	.00451800
106 SHIP,BT BLDG	.00026740	.00027771	.00033376	.00020523	.00035205	.00031089	.00029697	.00023124
107 OTH TRANS EQ	.00115848	.00132087	.00128287	.00073074	.00178765	.00134852	.00127159	.00100484
108 SCIENTIF INS	.00005990	.00006441	.00021781	.00004406	.00008554	.00008257	.00008271	.00005399
109 MECH MSRG DV	.00013296	.00008008	.00033636	.00010031	.00009377	.00016563	.01688954	.00016557
110 MEDICAL INST	.00059104	.00080144	.00064799	.00040288	.00089793	.00076417	.00064644	.00051553
111 PHO, TM, OPT I	.00025589	.00029388	.00031966	.00023682	.00037362	.00041381	.00029870	.00024381
112 GAMES, TOYS	.00011897	.00013915	.00012982	.00007925	.00018758	.00014106	.00013137	.00010348
113 OTH MFG IND	.00171613	.00167078	.00129397	.00073957	.00247053	.00133085	.00355070	.00099806
114 RAIL TRANS	.00586649	.00410895	.00741899	.00729722	.00598900	.00986001	.01000995	.00607070
115 INTERCTY HGY	.00071226	.00081165	.00077033	.00046744	.00107974	.00093541	.00079584	.00061858
116 MOTOR FRT STR	.02191832	.02890998	.02376734	.02576296	.02014757	.02505179	.03052463	.02323368
117 WATER TRANS	.00268495	.00201466	.00445646	.00298140	.00214921	.00340579	.00298910	.00241442
118 AIR TRANS	.00620120	.00728800	.00728800	.00531153	.01005406	.00983524	.00688345	.00703491
119 PIPELINE TRN	.00181551	.00172534	.00251781	.00272396	.00152717	.00303665	.00223839	.00219946
120 LOC, SUB TRAN	.00063696	.00075146	.00069090	.00040332	.00103050	.00072984	.00070453	.00055088
121 OTH TRAN SER	.00066949	.00065833	.00087991	.00068434	.00076532	.00142570	.00137721	.00082859
122 TELEP, TELEGR	.01205415	.01343019	.01337977	.00982710	.01433008	.01741108	.01305726	.01011936
123 RADIO, TV	.00134493	.00150919	.00153957	.00125879	.00185007	.00182107	.00148072	.00136620
124 OTH COMMUNIC	.00026939	.00030421	.00030056	.00017723	.00040124	.00033671	.00029353	.00024263
125 GAS SERVICES	.02228177	.02180788	.02549895	.01950615	.02946912	.03222736	.02577629	.02273415
126 ELEC SERVICES	.02498771	.02353111	.02999043	.01762602	.03708605	.03493736	.02793113	.02475232
127 WATER, SANI SERV	.00562216	.00623211	.00630795	.00434174	.00805141	.00803125	.00648863	.00569394
128 WHL AUT PT, S	.02031485	.01206035	.01158601	.00794749	.01585613	.01204195	.01212592	.00955342
129 WHL GRO, RELP	.00966043	.01148176	.01044519	.00624420	.01494189	.01107412	.01054034	.00855332
130 WHL FM PROD	.00108687	.00108918	.00136384	.00128840	.00108964	.00155234	.00126694	.00116712
131 WHL LIVESTOC	.00019973	.00020536	.00022892	.00016040	.00026961	.00024025	.00021216	.00017690
132 WHL MAC, EQ, S	.01408262	.04866641	.01481104	.01337776	.01820988	.02756317	.04427882	.03643817
133 WHL PET, PETP	.01157316	.01242655	.01106174	.00684248	.01419947	.01276669	.01098101	.00938143
134 GEN WHL	.05513668	.06501927	.05430002	.02523146	.05902859	.05133260	.06124166	.04836646
135 LUMBER YARDS	.00225170	.00332265	.00249190	.00140955	.00322843	.00238993	.00226728	.00221828
136 FARM EQ DEAL	.00143054	.00175651	.00155608	.00086801	.00212474	.00156740	.00150853	.00196653
137 HDW, HT, E, P, W	.00087156	.00063838	.00119916	.00056053	.00096431	.00067911	.00071472	.00111293
138 DEPT, VAR STO	.01290316	.01339464	.01354772	.00752734	.01810435	.01305724	.01282711	.01461190
139 FOOD STORES	.01384319	.01627925	.01498677	.00873968	.02173050	.01577666	.01528362	.01206031
140 AUTO DEAL, RP	.01291764	.01316899	.01705227	.00765853	.02660449	.01923738	.01404996	.01060529
141 GAS SER STAT	.00283259	.00298533	.00275393	.00167122	.00360438	.00313331	.00278883	.00231080
142 APPRL ACC ST	.00630635	.00743648	.00682856	.00397781	.01033768	.00720185	.00705969	.00544544
143 FURN, HM F, EQ	.00547994	.00477273	.00461534	.00264664	.00642627	.00466279	.00456983	.00870914
144 EAT, DRINK PL	.01601001	.01840233	.01739639	.01186052	.02523839	.02085639	.01740626	.01452528
145 OTHER RETAIL	.01148472	.01221763	.01182722	.00804933	.01653638	.01214996	.01199084	.01018568
146 BANK, CRD AGE	.06229943	.06697426	.06097668	.05731258	.08174327	.06982848	.05796832	.05491951
147 INSURANCE CA	.02675032	.02400056	.02236546	.02667926	.02696959	.02692488	.02169482	.01815105
148 F.I.R.E. NEC	.03692235	.05966917	.05160975	.02881814	.05368161	.05442566	.04243113	.03624029
149 LEGAL SERVIC	.01050814	.00707494	.00898398	.00772538	.00799190	.00936490	.00837630	.00564965
150 LODGING SERV	.00565427	.00548976	.00523161	.00324249	.00899019	.00738169	.00543853	.00599821

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 89 *	SECTOR 90 *	SECTOR 91 *	SECTOR 92 *	SECTOR 93 *	SECTOR 94 *	SECTOR 95 *	SECTOR 96 *
151 PERSONAL SER	.00633140	.00736469	.00745321	.00409481	.01001011	.00731957	.00707183	.00562311
152 ADVERTISING	.00122776	.00115153	.00185637	.00216704	.00136403	.00197276	.00139275	.00154684
153 DUPL, ADDRESS	.00045191	.00048992	.00033064	.00033064	.00061615	.00054719	.00046780	.00040192
154 PRI ENPL AGE	.00052879	.00062975	.00058328	.00044012	.00067342	.00061192	.00054313	.00049258
155 PHOTO SERVIC	.00202577	.00238124	.00306246	.00149713	.00280232	.00243986	.00219687	.00190017
156 RESRCH, DEVEL	.00027406	.00016227	.00028651	.00034027	.00018960	.00038618	.00132257	.00039342
157 OTHER BUS SE	.00714349	.00673208	.00760823	.00037225	.00265866	.00068580	.0028791	.00646918
158 MTN PCT, AM, R	.00469330	.00550597	.00535062	.00396691	.00746778	.00545196	.00517148	.00411705
159 AUTO RENT SE	.00218813	.00588757	.00226779	.00176260	.00276646	.00413657	.00264580	.00505538
160 AUTO PARKING	.00034920	.00040848	.00037493	.00022737	.00054238	.00039849	.00038122	.00030110
161 ELEC REP SHP	.00122560	.00135033	.00682424	.00078936	.00211731	.00831400	.00135681	.00125053
162 MISC REP SER	.00408949	.00456629	.00419632	.00222986	.00498600	.00818564	.00370792	.00438836
163 PHYS, DENT SE	.00854263	.01004891	.00925942	.00545662	.01342804	.01026692	.00945315	.00737224
164 HOSP, LAB SER	.01983558	.02337515	.02148307	.01257545	.03123975	.02268955	.02192386	.01712095
165 OTH MED SERV	.00878797	.01036970	.00954836	.00556856	.01386688	.01003980	.00974917	.00758998
166 ED (PUB, PRI)	.01566024	.01738605	.01734624	.01512339	.03411081	.02121881	.01764043	.01470287
167 COLL, UNIV	.00861658	.00937630	.00944344	.00633663	.01213916	.01141153	.00977644	.00770581
168 OTH ED SERV	.00155811	.00183519	.00168588	.00098487	.00245152	.00177979	.00172099	.00134283
169 ENG, ARCH SER	.00248579	.00310793	.00387591	.00200897	.00254687	.03009747	.00258232	.00213829
170 COMPU, ACCT SERV	.00749612	.00859074	.00847474	.01077903	.01012924	.00961455	.00804942	.00858019
171 OTH PROF SER	.00010737	.00008875	.00011007	.00006222	.00018790	.00009298	.00009601	.00009627
172 OTHER SERVIC	.01117016	.01277492	.01217230	.00745548	.01830154	.01302962	.01230762	.00968468
173 ORD, ORD ACCS	.00001598	.00001242	.00002703	.00000559	.00000927	.00008421	.00005346	.00000649
174 OUTDOOR REC	.00088883	.00094583	.00097475	.00063494	.00119117	.00101774	.00094564	.00079136
175 SCRAP	.00038944	.00029330	.00057000	.00062867	.00292329	.00085225	.00066586	.00346718
176 HOUSEHOLDS	.56786713	.67024254	.61478085	.35880260	.89627549	.64873636	.62766327	.48999809
TOTAL DIR/IND/IND REQ	2.52909363	2.59289341	2.61119889	1.97459567	3.07721657	2.74909947	2.73178238	2.41047628

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 97 *	SECTOR 98 *	SECTOR 99 *	SECTOR 100 *	SECTOR 101 *	SECTOR 102 *	SECTOR 103 *	SECTOR 104 *
1 IRR COTTON	.00121182	.00027854	.00018065	.00030918	.00031587	.00017316	.00021755	.00020125
2 IRR FOOD GRAIN	.00062669	.00043289	.00022883	.00047830	.00040770	.00025423	.00033200	.00040212
3 IRR FEED GRAIN	.00089527	.00068000	.00050775	.00080925	.00066445	.00049027	.00075382	.00071013
4 OTHER IRR CROP	.00242062	.00199109	.00177559	.00240858	.00202518	.00157897	.00258776	.00228464
5 DRYLAND COTTON	.00047122	.00016738	.00010390	.00018780	.00017384	.00010425	.00013767	.00012158
6 DRY FOOD GRAIN	.00055744	.00021944	.00012864	.00025510	.000124826	.00014019	.00017839	.00016731
7 DRY FEED GRAIN	.00081026	.00059070	.00039045	.00068270	.00057721	.00039467	.00057171	.00059011
8 OTHER DRY CROP	.00154537	.00126788	.00115564	.00157571	.00129539	.00103042	.00169995	.00143705
9 RANGE LIVESTOCK	.00520798	.00404789	.00338873	.00493996	.00411301	.00312858	.00501566	.00452373
10 FEEDLOT LVSTK	.00631298	.00481502	.00363463	.00575532	.00481924	.00350176	.00541730	.00516548
11 DAIRY	.00251811	.00202324	.00173811	.00246596	.00204865	.00158594	.00254019	.00226139
12 POULTRY,EGGS	.00176694	.00144333	.00130561	.00179003	.00147658	.00116514	.00191531	.00166641
13 AG SUP EX FMC	.00102822	.00077007	.00063781	.00093297	.00084145	.00058851	.00093330	.00084308
14 COTTON GINNING	.00019996	.00005521	.00003568	.00006177	.00006028	.00003469	.00004505	.00004108
15 AGRI SERVICES	.00101799	.00075110	.00063128	.00090766	.00083810	.00057799	.00092527	.00082349
16 PRIM FORESTRY	.00181913	.00092283	.00059385	.00074923	.00074990	.00044502	.00059754	.00064926
17 FISHERIES	.00047580	.00037019	.00029508	.00044083	.00037244	.00027605	.00042653	.00035940
18 CRUDE PETRO	.03555577	.02853912	.01418375	.02615157	.03371109	.01786692	.02774118	.02333285
19 NATRL GAS LQDS.	.00316547	.00222799	.00113638	.00285004	.00227402	.00129912	.00199900	.00198439
20 OIL,GAS FLDSV	.00778285	.00612280	.00308409	.00573771	.00709777	.00380799	.00581096	.00506877
21 LIGNITE,OTH MINE	.00238134	.00321308	.00089554	.00166401	.00250160	.00135183	.00161153	.00149604
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00000570	.00000411	.00000632	.00000470	.00000687	.00000462	.00001002	.00000482
24 INDUS CONS	.00000004	.00000003	.00000004	.00000003	.00000005	.00000003	.00000007	.00000003
25 FACILITY CONS	.00002279	.00001645	.00002520	.00001886	.00002736	.00001845	.00003990	.00001929
26 MAINTEN,REPR	.01506260	.01084744	.01670672	.01242616	.01813844	.01221040	.02646946	.01272109
27 MEAT PRODUCTS	.01842057	.01568225	.01546847	.01982308	.01630385	.01341055	.02271128	.01891772
28 POULTRY PROD	.00156076	.00133108	.00131439	.00168780	.00138539	.00113902	.00192722	.00160095
29 DAIRIES	.00472357	.00403999	.00397325	.00508242	.00419082	.00345830	.00579519	.00481829
30 OTH GRAIN MIL	.00100354	.00075713	.00055829	.00089114	.00075029	.00053788	.00081325	.00079706
31 ANIMAL FEEDS	.00165535	.00133388	.00117135	.00164472	.00136017	.00106034	.00172538	.00150288
32 BAKERY PROD	.00309702	.00264749	.00262605	.00335010	.00275499	.00227929	.00384491	.00319664
33 CNND,PSVP,PCK	.00249407	.00212046	.00206898	.00262430	.00221143	.00180785	.00297678	.00250384
34 OTH FOOD PROD	.00887571	.00755972	.00737235	.00952440	.00783398	.00641938	.01083187	.00900571
35 BEVERAGES	.00990640	.00860860	.00818080	.01058270	.00876811	.00709555	.01199325	.01040600
36 TEXTILE MILL	.00704852	.00044070	.00052116	.00050022	.00082371	.00034710	.00041633	.00046692
37 MBWMC FURN	.00346013	.00283747	.00287089	.00360204	.00297529	.00244473	.00413128	.00344240
38 RELATED APPRL	.00060533	.00049914	.00104914	.00062666	.00051097	.00041952	.00070293	.00059244
39 LOGGING	.00124175	.00066924	.00055993	.00059485	.00056264	.00031792	.00037402	.00049580
40 LUMBER MILLS	.00058085	.00031957	.00029375	.00029589	.00030294	.00020014	.00030719	.00024373
41 MILLWORK,WOOD	.00733926	.00344553	.00180607	.00219123	.00243355	.00163704	.00252430	.00225873
42 WOOD FURN,FIX	.00085006	.00065443	.00070894	.00080169	.00071667	.00054037	.00088599	.00075126
43 MET FURN,FIXT	.00032372	.00027999	.00027763	.00033590	.00028181	.00023490	.00034200	.00029060
44 PAPER,PAP MIL	.00245044	.00147876	.00398331	.00255751	.00203788	.00106993	.00129259	.00144268
45 PAP EX BOX,CT	.00149059	.00099820	.00118755	.00145210	.00103746	.00073690	.00108619	.00109089
46 BOXES,PAP CNT	.00290495	.00206505	.02359450	.00342391	.00290900	.00134247	.00201787	.00198820
47 NEWSPAPERS	.00434547	.00360610	.00343273	.00436031	.00392841	.00312473	.00469462	.00484060
48 PUBLISHING	.00079029	.00060477	.00046136	.00085431	.00049390	.00284497	.00141303	.00251120
49 PRINTING	.00296693	.00202169	.00203074	.00282265	.00345048	.00312318	.00232712	.00253780
50 MANFLD BUS FM	.00058900	.00053792	.00067138	.00111531	.00054433	.00049021	.00051028	.00050604

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 97 *	* SECTOR 98 *	* SECTOR 99 *	* SECTOR 100 *	* SECTOR 101 *	* SECTOR 102 *	* SECTOR 103 *	* SECTOR 104 *
51 OTH PRNT,PUBS	.00052700	.00037776	.00116730	.00037158	.00057830	.00028728	.00166587	.00041436
52 CHLOR,ALKALIE	.00188163	.00087401	.00056311	.00148545	.00156212	.00053768	.00077408	.00081134
53 CYCCRD INT,IG	.00220714	.00126719	.00053234	.00244287	.00461843	.00060083	.00079157	.00106378
54 ORG CHEM	.01175383	.00766434	.00388489	.01396581	.01462677	.00438184	.02512088	.00705734
55 INORG CHEM	.00208104	.00150962	.00142056	.00256885	.00248551	.00094323	.00138007	.00171283
56 FIBERS,PLASTI	.00763415	.00195344	.00127075	.00432354	.03842866	.00110469	.00119168	.00271811
57 SYN RUBBER	.00033539	.00023749	.00012311	.00033418	.00057449	.00013923	.00018474	.00017814
58 DRUGS	.00036678	.00030533	.00031790	.00038400	.00031682	.00027099	.00043452	.00036418
59 AGRI CHEMICAL	.00194306	.00146586	.00127010	.00179933	.00164922	.00115533	.00188591	.00166285
60 SPS,CLNS,TOIL	.00118577	.00093597	.00078372	.00116063	.00170529	.00076784	.00113306	.00102901
61 PAINT+VARNISH	.00172266	.00198523	.00088914	.00138612	.00611756	.00081700	.00125954	.00154150
62 OTH CHEMICALS	.00214743	.00118986	.00081419	.00128747	.00791474	.00119608	.00109614	.00129830
63 PETRO REFING	.05450034	.04154482	.03007254	.04520788	.04560844	.03004909	.04661052	.04175006
64 OTH PETRO PRD	.00038903	.00022385	.00018866	.00020753	.00028603	.00031781	.00030355	.00019951
65 TIRES	.00118239	.00097658	.00064444	.00088103	.00088017	.00063895	.00101343	.00094724
66 FAB RUBBER PR	.00071575	.00053769	.00027070	.00053901	.02652873	.00038389	.00028332	.00029260
67 PLASTIC PRODS	.03115764	.00342949	.00265329	.00493939	.11548488	.00291800	.00298477	.00296500
68 LEATHER,L PRD	.00042571	.00031429	.00030837	.00053711	.00026846	.00031567	.00086497	.00048729
69 GLASS	.00183770	.00095163	.00094539	.00143794	.00095593	.00072200	.00112206	.00103980
70 CLAY	.00033348	.00029541	.00029541	.00031526	.00031835	.00023816	.00044710	.00029299
71 CUT ST,CL,SH	.00210321	.00095044	.00074715	.00093387	.00098600	.00063302	.00084175	.00077020
72 CEMENT,CONCRT	.00097300	.00058897	.00071804	.00080116	.00082336	.00053015	.00101566	.00060208
73 BLAST FURNACE	.00460043	.02907346	.00054862	.00124131	.00083727	.00667989	.00086662	.00103123
74 PRI STEEL,IRO	.01981490	.00061836	.00026883	.00046883	.00046204	.00034367	.00026439	.00078190
75 FOUNDRIES	.01797879	.00101135	.00031114	.00100931	.00061790	.00051751	.00062465	.00318974
76 NONFER SMELTG	.00319119	.00488075	.00053018	.00324161	.17489298	.00088788	.00074917	.00149883
77 AL SMLT ROL DR	.05760057	.00313314	.00090052	.00611862	.00265768	.00317137	.00156732	.00380999
78 CAST,FORGINGS	.00506858	.00050300	.00011041	.00030041	.00015590	.00022225	.00071265	.02542029
79 FABRI STEEL	.00186188	.00072936	.00022508	.00075973	.00041470	.00038451	.00028799	.00027909
80 PLATE WORK	.00107512	.00016336	.00016336	.00027095	.00019442	.00035670	.00010028	.00017211
81 SH MET,ARCH	.02028112	.00125758	.00133663	.00215330	.00145097	.00114277	.00163315	.00152539
82 METAL DOORS	.00012689	.00009940	.00010476	.00012978	.00011088	.00008950	.00014690	.00011797
83 FAB MET PROD	.01907786	.00268339	.00205281	.00447357	.00254028	.00200647	.01033131	.01335711
84 PLUMBING	.00358225	.00023688	.00020329	.00041501	.00023229	.00019403	.00028816	.00021567
85 BOLTS,NUTS,SC	.00531526	.00293622	.00065230	.00153100	.00217807	.00092036	.00100984	.00088962
86 ELCTPLT,CT,EN	.00285836	.00039983	.00014099	.00074203	.00533938	.00079345	.00075133	.02330268
87 VALVE,PIPE FT	.00250619	.00659890	.00056195	.00135444	.00141192	.00070815	.00088675	.00080064
88 OTH FAB MET P	.00112691	.00081731	.00054533	.00168280	.00663973	.00419792	.00071320	.00066282
89 FM,CONS,IND M	.00034600	.00026631	.00062290	.00028771	.00043045	.00022090	.00037227	.00028461
90 HYL HCL MC,EQ	.00020329	.00010370	.00008152	.00029498	.00008809	.00007127	.00007241	.00008719
91 MIN MACH,EQU	.00616713	.00070110	.00023264	.00046798	.00051720	.00037302	.00035584	.00038380
92 ENGINES	.00073683	.00623861	.00010509	.00049158	.00032766	.00014294	.00014403	.00013741
93 METAL WK MACH	.00330162	.00065665	.00269143	.00030048	.00052766	.00028297	.00310580	.00560635
94 IND PROC MACH	.00276134	.00038714	.00057346	.00040172	.00112122	.00050559	.00025779	.00060738
95 GEN IND MACH	.00203896	.00211255	.00088663	.00188064	.00197315	.00195762	.00116177	.00128113
96 REFRIG MACH	.00028227	.00018056	.00015704	.00021060	.00024933	.00077256	.00022516	.00018633
97 COMPU,ACCT MACH	1.01927305	.00111420	.00071194	.00459867	.00180132	.00742344	.00081088	.00182760
98 ELEC INST,AP	.00291839	1.01284289	.00112715	.00201737	.00126093	.00157328	.00148342	.00101622
99 ELEC HSLD EQ	.00026366	.00023736	1.00021222	.00033843	.00030252	.00017980	.00028780	.00035099
100 ELEC COMM EQ	.00326926	.01680025	.00062340	1.04789784	.02773916	.01226519	.00176798	.04323135

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 97 *	SECTOR 98 *	SECTOR 99 *	SECTOR 100 *	SECTOR 101 *	SECTOR 102 *	SECTOR 103 *	SECTOR 104 *
101 OTH ELEC APP	.00056038	.00056896	.00025203	.00974351	1.02004862	.00260429	.00033052	.00066901
102 AIRCRAFT	.00002484	.00001023	.00000956	.00001869	.00001168	1.00193113	.00001881	.00001077
103 AIRCRAFT ENG	.00000175	.00000084	.00000069	.00000101	.00000091	.00053374	1.01008091	.00000100
104 OTH AIRCRAFT	.00006903	.00004605	.00004548	.00006181	.00005508	.00132550	.02295136	1.00027773
105 MOTOR VHCL,P	.00497573	.01870663	.00381640	.00493740	.00480967	.00348027	.00371297	.00485421
106 SHIP,BT BLDG	.00041897	.00028704	.00021090	.00029197	.00029270	.00023101	.00030905	.00026798
107 OTH TRANS EQ	.00132275	.00113248	.00107171	.00138617	.00115836	.00094104	.00157607	.00130404
108 SCIENTIF INS	.00009269	.00007263	.00006864	.00077395	.00008556	.00006915	.00007377	.00009201
109 MECH MSRG DV	.00012146	.00010707	.00004907	.00014453	.00009521	.00029991	.00006944	.00006440
110 MEDICAL INST	.00108865	.00078706	.00069828	.00073674	.00062262	.00080632	.00074929	.00064595
111 PHO,TH,OPT I	.00032778	.00028708	.00114895	.00030959	.00029498	.00034256	.000331919	.00030045
112 GAMES,TOYS	.00013515	.00011572	.00012245	.00014650	.00012087	.00010000	.00016576	.00013819
113 OTH MFG IND	.00287534	.00236168	.01796285	.00145633	.00124599	.00154589	.00119767	.00341896
114 RAIL TRANS	.00965143	.00667615	.00326806	.00356815	.01188300	.00438940	.00553702	.00346082
115 INTERCTY HGY	.00085468	.00066797	.00066271	.00083757	.00073248	.00057569	.00096634	.00080181
116 MOTOR FRT STR	.02071767	.02128565	.01257325	.02155129	.02155129	.01375503	.02305049	.02067530
117 WATER TRANS	.00325858	.00368352	.00118524	.00217700	.00366501	.00268037	.00175531	.00184711
118 AIR TRANS	.00795941	.00622623	.00629013	.00778183	.00692656	.00622131	.01373912	.00710824
119 PIPELINE TRN	.00263055	.00342575	.00092062	.00172303	.00370170	.00259331	.00132127	.00153254
120 LOC,SUB TRAN	.00071902	.00061441	.00062399	.00078081	.00064011	.00052836	.00089856	.00074510
121 OTH TRAN SER	.00163485	.00086714	.00048393	.00099025	.00156239	.00081068	.00068129	.00061569
122 TELEP,TELEGR	.01440183	.01415845	.00938039	.01584135	.01225302	.00884909	.01366213	.01433082
123 RADIO , TV	.00169036	.00154229	.00129002	.00154129	.00172430	.00121185	.00156644	.00155707
124 OTH COMMUNIC	.00031108	.00027270	.00028678	.00032390	.00027561	.00027710	.00036439	.00030957
125 GAS SERVICES	.02832260	.02805026	.01444365	.02167467	.03719737	.01930969	.03257951	.02173634
126 ELEC SERVICES	.03447081	.03434860	.01728577	.02627810	.03883682	.02014284	.03742524	.02794547
127 WATER,SANI SERV	.00717741	.00604810	.00931341	.00651381	.00822469	.00487083	.00637144	.00709282
128 WHL AUT PT,S	.01311046	.01202496	.00965474	.01244839	.01081095	.00867931	.01413375	.01193371
129 WHL GRO,RELP	.01099256	.00932433	.00925272	.01163827	.00999282	.00792788	.01321516	.01130801
130 WHL FM PROD	.00151078	.00168769	.00071863	.00109672	.00180506	.00128118	.00093143	.00100807
131 WHL LIVESTOC	.00024414	.00022801	.00016053	.00023241	.00023648	.00018165	.00023799	.00020969
132 WHL MAC,EQ,S	.03025404	.02444234	.03987429	.00653665	.00979343	.00952499	.00611691	.00771198
133 WHL PET,PETP	.01200730	.01039618	.00871362	.01161790	.01126387	.00878099	.01266364	.01138838
134 GEN WHL	.08345424	.04162464	.02652700	.06000973	.04245082	.03016146	.05201363	.07573118
135 LUMBER YARDS	.00267992	.00207795	.00190259	.00260772	.00255167	.00168107	.00277004	.00288162
136 FARM EQ DEAL	.00168594	.00242852	.00126961	.00165718	.00145559	.00115436	.00183134	.00173047
137 HDW,HT,E,P,W	.00227207	.00064836	.00051100	.00082025	.00064525	.00061393	.00073970	.00143218
138 DEPT,VAR STO	.01624759	.01198610	.01094672	.01646533	.01358369	.00990560	.01599996	.01775689
139 FOOD STORES	.01565871	.01331076	.01332436	.01693588	.01386067	.01147049	.01946273	.01621975
140 AUTO DEAL,RP	.01415492	.01395907	.01026809	.01377067	.03409982	.00939996	.01564837	.01475826
141 GAS SER STAT	.00323401	.00241977	.00219376	.00281700	.00276272	.00192146	.000312986	.00293863
142 APPRL ACC ST	.00727033	.00606723	.00604301	.00773862	.00643640	.00523085	.00890888	.00737546
143 FURN,HH F,EQ	.00524699	.00508838	.00391062	.00870363	.00727968	.00360279	.00581145	.00930181
144 EAT,DRINK PL	.01852624	.01517689	.01500985	.01882083	.01598013	.01278630	.02186115	.01888716
145 OTHER RETAIL	.01283340	.01154911	.01030741	.01324147	.01139161	.00893000	.01491350	.01304628
146 BANK,CRD AGE	.06689835	.06050162	.06545387	.05732445	.07592342	.04054370	.06211466	.06698486
147 INSURANCE CA	.02833888	.02021056	.01408085	.03038995	.02536720	.01334589	.02132049	.02438090
148 F.I.R.E. NEC	.05162985	.03994133	.03670922	.04502651	.05174525	.02770605	.04204928	.05318482
149 LEGAL SERVIC	.00900024	.00756839	.00551570	.01100780	.01201424	.00453138	.00669983	.00734628
150 LODGING SERV	.00596763	.00454109	.00461941	.00528501	.00496577	.00372105	.00622970	.00538855

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 97 *	SECTOR 98 *	SECTOR 99 *	SECTOR 100 *	SECTOR 101 *	SECTOR 102 *	SECTOR 103 *	SECTOR 104 *
151 PERSONAL SER	.00769607	.00629475	.00617925	.00768297	.00750291	.00528807	.00908987	.00732072
152 ADVERTISING	.00149816	.00130566	.00211208	.00132221	.00142625	.00105910	.00111056	.00145141
153 DUPL, ADDRESS	.00054464	.00042695	.00048332	.00049959	.00051616	.00038827	.00053000	.00050838
154 PRI EMPL AGE	.00070300	.00071380	.00104444	.00119074	.00069299	.00048371	.00058561	.00056933
155 PHOTO SERVIC	.00228319	.00207670	.00206573	.00269641	.00224005	.00248401	.00252347	.00229466
156 RESRCH, DEVEL	.00045479	.00068223	.00007253	.00024029	.00063231	.00931083	.00012554	.00011391
157 OTHER BUS SE	.00713581	.00580318	.00559841	.00847961	.00857270	.00523911	.01037638	.01096020
158 MTN PCT, AM, R	.00533874	.00453977	.00455957	.00574096	.00475212	.00389141	.00657185	.00550382
159 AUTO RENT SE	.00296315	.01432273	.00157708	.00186692	.00270807	.00173926	.00171332	.00180541
160 AUTO PARKING	.00039152	.00033541	.00033496	.00042332	.00035284	.00028432	.00048227	.00040564
161 ELEC REP SHP	.00163580	.00178650	.00112184	.00152320	.00136333	.00099190	.00157189	.00148161
162 MISC REP SER	.00438641	.00338807	.00290899	.00371196	.00416362	.00262098	.00511361	.00420836
163 PHYS, DENT SE	.00962054	.00829176	.00819048	.01049585	.00886313	.00706279	.01200911	.00997045
164 HOSP, LAB SER	.02230375	.01910922	.01922572	.02433958	.01984896	.01643722	.02796532	.02318950
165 OTH MED SERV	.00989372	.00847746	.00842946	.01079185	.00878391	.00729528	.01242343	.01028187
166 ED (PUB, PRI)	.01930587	.01716866	.01542002	.01851207	.01907907	.01343896	.01919508	.01687883
167 COLL, UNIV	.01069752	.00898634	.00825848	.00971609	.00996345	.00734205	.01084898	.00930179
168 OTH ED SERV	.00180310	.00149980	.00149461	.00191067	.00155714	.00128917	.00219575	.00181960
169 ENG, ARCH SER	.00590487	.00292313	.00190875	.00230381	.00316659	.00292650	.00257585	.00208126
170 COMPU, ACCT SERV	.01025192	.01051674	.10851199	.00772066	.00928093	.00994361	.00706996	.01016140
171 OTH PROF SER	.00013074	.00009508	.00008536	.00010863	.00009212	.00019436	.00009389	.00008968
172 OTHER SERVIC	.01340311	.01091490	.01152651	.01363346	.01165277	.00975292	.01468348	.01280809
173 ORD, ORD ACCS	.00004776	.00000694	.00000526	.00000818	.00000618	.00000514	.00000815	.00001306
174 OUTDOOR REC	.00103269	.00090573	.00074440	.00100220	.00096378	.00083488	.00107321	.00093153
175 SCRAP	.00085788	.00091012	.00011810	.00038232	.00782329	.00055638	.00015502	.00023584
176 HOUSEHOLDS	.63773762	.54683500	.54425819	.69733795	.56748250	.47073925	.80302350	.66452818
TOTAL DIR/IND/IND REQ	2.85367464	2.45054086	2.36218406	2.64319333	2.90546649	2.11055336	2.78221796	2.64759657

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 105	* SECTOR 106	* SECTOR 107	* SECTOR 108	* SECTOR 109	* SECTOR 110	* SECTOR 111	* SECTOR 112 *
1 IRR COTTON	.00018840	.00056876	.00068202	.00030652	.00024444	.00039831	.00034428	.00041643
2 IRR FOOD GRAIN	.00029111	.00092689	.00044312	.00038013	.00034839	.00060093	.00036422	.00063525
3 IRR FEED GRAIN	.00049004	.00117340	.00071843	.00075870	.00056647	.00084569	.00075449	.00088936
4 OTHER IRR CROP	.00153702	.00278925	.00212429	.00253657	.00175579	.00225263	.00243387	.00278919
5 DRYLAND COTTON	.00011416	.00033937	.00028536	.00019338	.00014298	.00023299	.00017699	.00024185
6 DRY FOOD GRAIN	.00016042	.00042540	.00031231	.00026826	.00018034	.00048108	.00023200	.00043208
7 DRY FEED GRAIN	.00041555	.00112045	.00061816	.00062906	.00048444	.00076923	.00058660	.00082396
8 OTHER DRY CROP	.00096697	.00180132	.00137294	.00161824	.00105083	.00141479	.00158534	.00157325
9 RANGE LIVESTOCK	.00301316	.00630888	.00438606	.00488242	.00347310	.00476827	.00485654	.00527649
10 FEEDLOT LIVSTK	.00348228	.00824028	.00509281	.00547683	.00418688	.00596301	.00542610	.00651414
11 DAIRY	.00152200	.00306091	.00217198	.00241801	.00166459	.00235124	.00244313	.00256565
12 POULTRY,E66S	.00110072	.00208183	.00156195	.00177542	.00118252	.00161964	.00178137	.00180139
13 AG SUP EX FMC	.00057460	.00121600	.00084896	.00091861	.00064913	.00092381	.00090983	.00101748
14 COTTON GINNING	.00003763	.00011149	.00011607	.00006197	.00004798	.00007755	.00013666	.00008107
15 AGRI SERVICES	.00056243	.00120304	.00083441	.00089996	.00063646	.00090139	.00089007	.00100159
16 PRIM FORESTRY	.00084495	.00377312	.00263978	.00083455	.00063498	.00097888	.00090365	.00121875
17 FISHERIES	.00027280	.00060185	.00039417	.00041985	.00031415	.00045114	.00041217	.00048442
18 CRUDE PETRO	.02106089	.04583621	.03198401	.04449842	.02261564	.04035897	.02872179	.04011475
19 NATRL GAS LQDS.	.00185956	.00449140	.00249513	.00212617	.00180021	.00304141	.00198722	.00391672
20 OIL,GAS FLOSV	.00452967	.01011203	.00689831	.00900892	.00491683	.00861079	.00608397	.00874497
21 LIGNITE,OTH MINE	.00184462	.00677477	.00297114	.00221158	.00130864	.00450178	.00200014	.00354075
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00000372	.00001587	.00000534	.00000534	.00000507	.00000529	.00000649	.00000614
24 INDUS CONS	.00000002	.00000011	.00000004	.00000004	.00000003	.00000004	.00000004	.00000004
25 FACILITY CONS	.00001488	.00006298	.00002134	.00002280	.00002021	.00002115	.00002593	.00002452
26 MAINTEN,REPR	.00983005	.04191479	.01410842	.01410828	.01338936	.01398497	.01714799	.01622267
27 MEAT PRODUCTS	.01226796	.02003884	.01720285	.02098926	.01354098	.01680718	.02079980	.01899202
28 POULTRY PROD	.00104555	.00170547	.00145669	.00178680	.00109796	.00141977	.00176351	.00158600
29 DAIRIES	.00317060	.00514816	.00441755	.00546233	.00334803	.00434884	.00531990	.00477995
30 OTH GRAIN MIL	.00056389	.00132427	.00079987	.00090338	.00062891	.00094349	.00083177	.00102072
31 ANIMAL FEEDS	.00100768	.00198220	.00143919	.00162488	.00110870	.00152643	.00162706	.00168708
32 BAKERY PROD	.00207662	.00335024	.00289946	.00356213	.00223787	.00282507	.00351870	.00314584
33 CNND,PSVP,PCK	.00166577	.00269293	.00231738	.00297815	.00188458	.00235719	.00276961	.00251639
34 OTH FOOD PROD	.00591541	.00975437	.00824620	.01524745	.00632105	.00806724	.00992349	.00902298
35 BEVERAGES	.00678061	.01079274	.00918427	.06607147	.00700188	.00892802	.01102488	.01001827
36 TEXTILE MILL	.00031990	.00064750	.00360692	.00061872	.00054280	.00068692	.00130711	.00068228
37 MBWMC FURN	.00222405	.00360355	.00335788	.00377483	.00240784	.00301704	.00378918	.00336648
38 RELATED APPRL	.00039718	.00094278	.00071205	.00065643	.00039935	.00053972	.00064643	.00058984
39 LOGGING	.00061318	.00238031	.00153583	.00054850	.00059419	.00085090	.00059974	.00101029
40 LUMBER MILLS	.00087956	.00075457	.00142800	.00036440	.00026718	.00036250	.00035194	.00046707
41 MILLWORK,WOOD	.00234593	.01698847	.01212441	.00330362	.00207220	.00261449	.00343650	.00291974
42 WOOD FURN,FIX	.00057763	.00093684	.02434511	.00086018	.00057689	.00071562	.00082826	.00080096
43 MET FURN,FIXT	.00022283	.00032476	.00031659	.00039605	.00021672	.00029523	.00034614	.00031654
44 PAPER,PAP MIL	.00418887	.00259409	.00272826	.00281624	.00152775	.00280270	.00340598	.00600534
45 PAP EX BOX,CT	.00165657	.00151856	.00142627	.00362016	.00115836	.00134160	.00134758	.00136968
46 BOXES,PAP CNT	.00449698	.00294733	.00398646	.00830234	.00347097	.00678877	.00939129	.01420583
47 NEWSPAPERS	.00282206	.00458019	.00412392	.00479273	.00303044	.00386199	.00446326	.00443591
48 PUBLISHING	.00066880	.00085463	.00191863	.00439202	.00074680	.00056420	.00050144	.00227600
49 PRINTING	.00215072	.00256062	.00319890	.00377454	.00208718	.00535014	.00706091	.00403351
50 MANFLD BUS FM	.00112463	.00059253	.00070668	.00073698	.00041545	.00053473	.00060230	.00061347

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 105	* SECTOR 106	* SECTOR 107	* SECTOR 108	* SECTOR 109	* SECTOR 110	* SECTOR 111	* SECTOR 112 *
51 OTH PRNT,PUBS	.00060961	.00051056	.00039971	.00063769	.00039877	.00099908	.00032945	.00091212
52 CHLOR,ALKALIE	.00195148	.00168994	.00156978	.00119393	.00071810	.00153891	.00124677	.00130298
53 CYCCRD INT,IG	.00451981	.00319310	.00249029	.00150255	.00093541	.00286379	.00124341	.01309930
54 ORG CHEM	.02056432	.01547044	.01177425	.00870599	.00627651	.01246297	.00770393	.04453295
55 INORG CHEM	.00301486	.00280788	.00196032	.00182949	.00120653	.00212672	.00166418	.00378735
56 FIBERS,PLASTI	.01520134	.00303739	.00437925	.00675913	.00160383	.01427120	.00625460	.23779607
57 SYN RUBBER	.00206203	.00044464	.00076068	.00057276	.00016182	.00029630	.00021030	.00064516
58 DRUGS	.00024011	.00039650	.00033831	.00041168	.00027240	.00052744	.00040156	.00036311
59 AGR CHEMICAL	.00110407	.00218295	.00164913	.00185565	.00127783	.00173599	.00177134	.00190286
60 SPS,CLNS,TOIL	.00070435	.00132090	.00135213	.00112897	.00077011	.00102499	.00107635	.00123607
61 PAINT+VARNISH	.00157080	.00740833	.00590228	.00166573	.00072911	.00509242	.00129910	.00107617
62 OTH CHEMICALS	.00120874	.00254292	.00314759	.00145401	.00108044	.00186512	.00129507	.00476790
63 PETRO REFING	.03563002	.06029242	.05436313	.05216210	.03913946	.05011537	.04583191	.06274929
64 OTH PETRO PRD	.00016861	.00044038	.00025913	.00032255	.00019089	.00028662	.00031230	.00026710
65 TIRES	.01032522	.00154586	.00374301	.00135377	.00063156	.00111892	.00106906	.00107365
66 FAB RUBBER PR	.00035305	.00053436	.00418383	.00119723	.00029981	.00037840	.00035321	.00039159
67 PLASTIC PRODS	.00358997	.00373228	.01286431	.01153049	.00299397	.02414455	.00736486	.01692096
68 LEATHER,L PRD	.00033716	.00038636	.00146354	.00033326	.00025131	.00030516	.00034872	.000911246
69 GLASS	.00139477	.00147661	.01038669	.00407700	.00091007	.00243651	.04218016	.00118258
70 CLAY	.00027049	.00067250	.00076287	.00033419	.00024389	.00029952	.00046636	.00033019
71 CUT ST,CL,SH	.00897196	.00178753	.00147980	.00119156	.00278700	.00119544	.00105524	.00093631
72 CEMENT,CONCRT	.00085434	.00173375	.00075175	.00071187	.00067387	.00077659	.00079340	.00083265
73 BLAST FURNACE	.00795715	.07498047	.02228101	.00101500	.00086183	.04293688	.00154818	.00119177
74 PRI STEEL,IRO	.00268045	.00097210	.00282572	.00341852	.00131328	.00855408	.01038305	.00035077
75 FOUNDRIES	.00165111	.00149895	.01077860	.00129885	.00073460	.00187920	.00308712	.00076874
76 NONFER SMELTG	.00273904	.00193794	.00225910	.00537450	.00070978	.00198593	.00103681	.01064236
77 AL SMLT ROL DR	.00523634	.01187823	.02361425	.00401623	.00359419	.03311363	.00935262	.00186276
78 CAST,FORGINGS	.00043728	.00052573	.00170978	.00026093	.00017059	.00024550	.00084833	.00018499
79 FABRI STEEL	.00429906	.00966639	.02703663	.00035488	.00042192	.00074865	.00054219	.00073674
80 PLATE WORK	.00036820	.00073544	.00205374	.00016668	.00021796	.00026636	.00024246	.00019133
81 SH MET,ARCH	.00305335	.00364392	.04810051	.00231967	.00309319	.04815748	.00436628	.00153771
82 METAL DOORS	.00009982	.00014825	.00176896	.00013446	.00008887	.00011570	.00013387	.00012191
83 FAB MET PROD	.02072022	.00390358	.00514341	.01305704	.00209486	.00278635	.01329363	.00298856
84 PLUMBING	.00029483	.00061134	.02012424	.00033458	.00029563	.00024028	.00070683	.00028135
85 BOLTS,NUTS,SC	.00956637	.00121855	.01553268	.00714031	.00074011	.00189405	.00125268	.00128977
86 ELCTPLT,CT,EN	.00074299	.00038802	.00108415	.00134792	.00024502	.00064338	.00057432	.00043274
87 VALVE,PIPE FT	.00164328	.00190551	.00143405	.00157313	.00105646	.01684020	.00123346	.00129173
88 OTH FAB MET P	.00067745	.00082319	.00151506	.00103294	.00129706	.00542692	.00076301	.00153802
89 FM,CONS,IND M	.00021414	.00056312	.00047079	.00040758	.00022914	.00034033	.00032278	.00036148
90 MTL HDL MC,EQ	.00008107	.00022139	.00041589	.00011861	.00006442	.00017651	.00010170	.00016222
91 MIN MACH,EQU	.00035546	.00099626	.00054248	.00067288	.00124278	.00087073	.00116645	.00070206
92 ENGINES	.00025859	.00211345	.00047925	.00035324	.00019894	.00040092	.00023935	.00033862
93 METAL WK MACH	.00021742	.00063249	.00687235	.00033024	.00020968	.00044278	.00064538	.00025037
94 IND PROC MACH	.00039968	.00468086	.00056239	.00062801	.00029940	.00060560	.00111554	.00071298
95 GEN IND MACH	.00110379	.00954478	.00767751	.00175418	.00396174	.00314626	.00271809	.00164327
96 REFRIG MACH	.00015976	.00030111	.00075652	.00024874	.00014331	.00021923	.00021427	.00020439
97 COMPU,ACCT MACH	.00224502	.00273785	.00219514	.02511269	.00906484	.00137694	.14072372	.00123493
98 ELEC INST,AP	.00607029	.00323676	.00348861	.00156438	.00237019	.00149871	.00219266	.00130706
99 ELEC HSLD EQ	.00019704	.00034583	.00045794	.00031289	.00018282	.00025123	.00027533	.00025027
100 ELEC COMM EQ	.00121488	.00146333	.00124498	.00404624	.00075955	.00101694	.00118720	.00106775

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 105 *	* SECTOR 106 *	* SECTOR 107 *	* SECTOR 108 *	* SECTOR 109 *	* SECTOR 110 *	* SECTOR 111 *	* SECTOR 112 *
101 OTH ELEC APP	.00150447	.00072173	.00060690	.02667709	.00036445	.00056791	.00087037	.00053041
102 AIRCRAFT	.00001159	.00003495	.00001343	.00001808	.00001041	.00001828	.00001506	.00001812
103 AIRCRAFT ENG	.00000067	.00000133	.00000129	.00000102	.00000070	.00000102	.00000107	.00000111
104 OTH AIRCRAFT	.00003699	.00007408	.00006109	.00008679	.00005309	.00008877	.00006799	.00007843
105 MOTOR VHCL,P	1.03014681	.00521968	.00728249	.00593461	.00349652	.00468425	.00550228	.00531120
106 SHIP,BT BLDG	.00019997	1.00180947	.00033250	.00057286	.00019995	.00039149	.00033476	.00031449
107 OTH TRANS EQ	.00171928	.00144334	1.02318884	.00149636	.00091041	.00121100	.00144866	.00133975
108 SCIENTIF INS	.00009374	.00009672	.00008256	1.12473303	.00096696	.00007489	.00007981	.00007823
109 MECH MSRG DV	.00017166	.00029222	.00022821	.00039260	1.03006466	.00016394	.00010504	.00009176
110 MEDICAL INST	.00055864	.00074589	.00088103	.00089132	.00051910	1.00116312	.00226890	.00072825
111 PHO, TM, OPT I	.00022082	.00030882	.00034012	.00046117	.00074481	.00034317	1.00338994	.00034634
112 GAMES, TOYS	.00009675	.00014643	.00012724	.00015788	.00009867	.00012445	.00015313	1.00159589
113 OTH MFG IND	.00144050	.00137005	.00146513	.00261462	.01425994	.00520624	.00146251	.00176953
114 RAIL TRANS	.00855473	.00797252	.01064495	.01815616	.00522198	.01298978	.00648644	.00847810
115 INTERCTY HGV	.00055741	.00088562	.00082096	.00096654	.00056245	.00124708	.00089692	.00082109
116 MOTOR FRT STR	.03146326	.01867882	.03873868	.03931861	.01603617	.03368099	.02764438	.02736386
117 WATER TRANS	.00198330	.00553794	.00462063	.01154545	.00175540	.00688817	.00285313	.00331556
118 AIR TRANS	.00487545	.00768514	.00684869	.01221581	.00754951	.01256538	.00927928	.01075363
119 PIPELINE TRN	.00171532	.00305416	.00362044	.001294892	.00159034	.00628922	.00259648	.00305296
120 LOC,SUB TRAN	.00048130	.00077807	.00067431	.00081629	.00051052	.00064782	.00081961	.00073020
121 OTH TRAN SER	.00066541	.00091328	.00182945	.00332571	.00054820	.00153298	.00096113	.00224133
122 TELEP,TELEGR	.00909168	.01230492	.01413503	.01945414	.01248293	.01567448	.01726130	.01364072
123 RADIO , TV	.00109457	.00164720	.00175257	.00326715	.00116724	.00184233	.00173730	.00181848
124 OTH COMMUNIC	.00020618	.00034334	.00037175	.00039801	.00025424	.00030899	.00033578	.00032356
125 GAS SERVICES	.02009439	.03118749	.03020364	.06115355	.02056517	.03984356	.03240025	.03154716
126 ELEC SERVICES	.02342998	.03629773	.03209213	.05204605	.03239432	.03913252	.03742830	.03570362
127 WATER,SANI SERV	.00499002	.00727591	.00700825	.01201170	.00967705	.00973773	.00841614	.00877058
128 WHL AUT PT,S	.01292973	.01296110	.01165741	.01444906	.00818920	.01244031	.01332931	.01219779
129 WHL GRO,REL P	.00759984	.01198080	.01026485	.01374933	.00780776	.01027103	.01227973	.01555443
130 WHL FM PROD	.00096415	.00177444	.00179088	.00556803	.00088976	.00290341	.00143682	.00252797
131 WHL LIVESTOC	.00015139	.00028970	.00023807	.00046235	.00015479	.00030759	.00022856	.00024574
132 WHL MAC,EQ,S	.01298896	.02258482	.02142000	.02436150	.00630717	.01770516	.02162509	.00943954
133 WHL PET,PETP	.01348045	.01293522	.01322177	.01609720	.00778992	.01312801	.01223772	.01222092
134 GEN WHL	.04048710	.07153038	.12023841	.09892706	.03081431	.06114924	.04628490	.08235674
135 LUMBER YARDS	.00185256	.00313281	.00306139	.00265756	.00160749	.00245312	.00263301	.00261854
136 FARM EQ DEAL	.00113708	.00214062	.00146533	.00172215	.00120512	.00155394	.00176499	.00185777
137 HDW,HT,E,P,W	.00094451	.00140760	.00078371	.00085931	.00051789	.00191451	.00093693	.00070656
138 DEPT,VAR STO	.01036600	.01565750	.01247127	.01477610	.00909657	.01440133	.01524637	.01501216
139 FOOD STORES	.01055544	.01797490	.01459644	.01797090	.01098255	.01417516	.01783356	.01742218
140 AUTO DEAL,RP	.01521925	.01438913	.01611988	.01670286	.00886916	.01267388	.01426412	.01518789
141 GAS SER STAT	.00237576	.00309004	.00350392	.00364467	.00261226	.00311654	.00305570	.00322339
142 APPRL ACC ST	.00475810	.00770453	.00666809	.00805462	.00499524	.00637728	.00813168	.00722642
143 FURN,HH F,EQ	.00397077	.00538770	.00449473	.00529244	.00324990	.00460156	.00531069	.00467013
144 EAT,DRINK PL	.01174773	.01933654	.01682881	.02123435	.01794397	.01751083	.02062587	.01814981
145 OTHER RETAIL	.00966420	.01346855	.01150528	.01419777	.00846885	.01177812	.01381218	.02382344
146 BANK,CRD AGE	.03865068	.06114440	.05905554	.08390361	.05083841	.06710653	.06807741	.05886999
147 INSURANCE CA	.01514740	.02927253	.02805785	.03089563	.01853896	.02512625	.02633428	.03511767
148 F.I.R.E. NEC	.03019934	.04323259	.04306148	.05861292	.03607690	.04856898	.05885811	.04419559
149 LEGAL SERVICE	.00585126	.00800102	.00751545	.01100381	.02821325	.01008779	.01408867	.00699813
150 LODGING SERV	.00358110	.00562939	.00551070	.00700076	.01174244	.00540532	.00630093	.00545656

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 105 *	* SECTOR 106 *	* SECTOR 107 *	* SECTOR 108 *	* SECTOR 109 *	* SECTOR 110 *	* SECTOR 111 *	* SECTOR 112 *
151 PERSONAL SER	.00491322	.00772074	.00727413	.00863472	.00665451	.00720611	.00849325	.00727533
152 ADVERTISING	.00095245	.00130175	.00210206	.00430737	.00483204	.00374391	.00135698	.00767343
153 DUPL, ADDRESS	.00032602	.00050022	.00048002	.00065484	.00045322	.00053386	.00055112	.00063671
154 PRI EMPL AGE	.00037387	.00537351	.00092637	.00118233	.00042809	.00074237	.00070999	.00059467
155 PHOTO SERVIC	.00150658	.00241473	.00297043	.00397771	.00179367	.00259532	.00256533	.00260268
156 RESRCH, DEVEL	.00025657	.00033622	.00043815	.00173426	.00147973	.00095590	.00030523	.00036768
157 OTHER BUS SE	.00430118	.00690249	.00816705	.01195583	.00959325	.00843655	.00672465	.00771037
158 MTN PCT, AM, R	.00354476	.00575411	.00502620	.00605007	.00403669	.00485117	.00602796	.00539097
159 AUTO RENT SE	.00777379	.00401376	.00308163	.00576639	.00400719	.00341062	.00256845	.00281110
160 AUTO PARKING	.00026058	.00042329	.00036660	.00044694	.00027816	.00035460	.00044410	.00039785
161 ELEC REP SHP	.00107974	.00150768	.00136248	.00250073	.00174967	.00145183	.00154540	.00145760
162 MISC REP SER	.00292403	.00445583	.00545155	.00662183	.00297108	.00473753	.00461203	.00432930
163 PHYS, DENT SE	.00644447	.01043325	.00908681	.01090892	.00676995	.00879130	.01096408	.00979123
164 HOSP, LAB SER	.01496622	.02423308	.02091498	.02534996	.01578113	.02357640	.02549030	.02273024
165 OTH MED SERV	.00664437	.01074279	.00927986	.01121623	.00696332	.00891837	.01130128	.01004979
166 ED (PUB, PRI)	.01453825	.02015532	.01871505	.03069938	.01305605	.02324876	.01986269	.02057354
167 COLL, UNIV	.00804826	.01078357	.01053139	.01589775	.00690946	.01100050	.01157436	.01117219
168 OTH ED SERV	.00117453	.00190158	.00164035	.00199378	.00124313	.00157761	.00201009	.00177966
169 ENG, ARCH SER	.00182054	.00379844	.00509205	.00703882	.00442687	.00413734	.00354184	.00304036
170 COMPU, ACCT SERV	.00553585	.00830298	.00918078	.01430563	.00777485	.01062128	.01388886	.01070621
171 OTH PROF SER	.00008143	.00014313	.00015893	.00012650	.00007708	.00011928	.00065289	.00018272
172 OTHER SERVIC	.00864935	.01342942	.01257790	.01599313	.01641579	.01325856	.01461751	.01686043
173 ORD, ORD ACCS	.00000746	.00000931	.00003043	.00000909	.00000548	.00000921	.00001336	.00000721
174 OUTDOOR REC	.00087460	.00111356	.00107282	.00160783	.00066983	.00110521	.00110929	.00103563
175 SCRAP	.00075768	.00071633	.00095790	.00315583	.00026298	.00156024	.00052690	.00115762
176 HOUSEHOLDS	.42853773	.69426612	.59803388	.72473561	.44984751	.57415931	.73017603	.64906295
TOTAL DIR/IND/IND REQ	2.22955308	2.87083518	2.87139679	3.23394959	2.21591617	2.71242618	2.93252985	2.99030672

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 113	* SECTOR 114	* SECTOR 115	* SECTOR 116	* SECTOR 117	* SECTOR 118	* SECTOR 119	* SECTOR 120 *
1 IRR COTTON	.00189240	.00025277	.00017808	.00022531	.00023843	.00019133	.00011360	.00024005
2 IRR FOOD GRAIN	.00036880	.00034851	.00027083	.00033477	.00034024	.00028734	.00017027	.00036543
3 IRR FEED GRAIN	.00071982	.00075733	.00061447	.00076374	.00073687	.00063396	.00037814	.00082222
4 OTHER IRR CROP	.00236473	.00263272	.00213024	.00264001	.00249924	.00220578	.00130741	.00284007
5 DRYLAND COTTON	.00062117	.00016179	.00011274	.00014090	.00014459	.00011942	.00007056	.00015242
6 DRY FOOD GRAIN	.00045973	.00019222	.00014873	.00018380	.00019427	.00015633	.00009434	.00019712
7 DRY FEED GRAIN	.00057957	.00058006	.00046941	.00058136	.00056933	.00048543	.00029077	.00062832
8 OTHER DRY CROP	.00151872	.00173945	.00138478	.00172330	.00163806	.00140053	.00084598	.00187413
9 RANGE LIVESTOCK	.00482075	.00505319	.00408704	.00508581	.00485877	.00417936	.00250921	.00548747
10 FEEDLOT LIVSTK	.00516750	.00542944	.00440217	.00547665	.00527920	.00455242	.00270891	.00589053
11 DAIRY	.00232913	.00258068	.00210971	.00262511	.00248153	.00212313	.00130767	.00280889
12 POULTRY, EGGS	.00171020	.00194288	.00156765	.00195083	.00184904	.00158103	.00096104	.00211502
13 AG SUP EX FMC	.00096013	.00095064	.00076570	.00095229	.00091074	.00078112	.00047442	.00102582
14 COTTON GINNING	.00029574	.00005200	.00003688	.00004639	.00004821	.00003930	.00002334	.00004971
15 AGRI SERVICES	.00096444	.00092827	.00075235	.00093474	.00089491	.00078355	.00049318	.00100271
16 PRIM FORESTRY	.00416117	.00077894	.00056146	.00074732	.00079832	.00063111	.00080771	.00059358
17 FISHERIES	.00040569	.00043446	.00035915	.00044522	.00042304	.00036622	.00022397	.00047372
18 CRUDE PETRO	.02732425	.03341890	.03279497	.04123197	.04386495	.04959579	.02893480	.04988289
19 NATRL GAS LQDS.	.00214929	.00265583	.00237130	.00293574	.00359153	.00400132	.00107587	.00397289
20 OIL, GAS FLDSV	.00583194	.00756207	.00736899	.00921600	.01020655	.01167554	.00586973	.01157629
21 LIGNITE, OTH MINE	.00228605	.00449991	.00131482	.00167779	.00151258	.00128590	.00215693	.00143344
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM, ED, INST	.00000530	.00000519	.00000512	.00000725	.00000722	.00001134	.00001432	.00000571
24 INDUS CONS	.00000004	.00000003	.00000003	.00000005	.00000008	.00000008	.00000010	.00000004
25 FACILITY CONS	.00002120	.00002082	.00002048	.00002895	.00002884	.00004507	.00005674	.00002289
26 MAINTEN, REPR	.01399318	.01370826	.01352244	.01914114	.01908127	.02995498	.03782562	.01507645
27 MEAT PRODUCTS	.01987547	.02300619	.01862303	.02314310	.02179313	.01889555	.01139105	.02503940
28 POULTRY PROD	.00167853	.00195727	.00159370	.00198455	.00185452	.00159057	.00097873	.00213330
29 DAIRIES	.00509468	.00589934	.00484226	.00602736	.00561773	.00482665	.00300177	.00642676
30 OTH GRAIN MIL	.00078452	.00084823	.00066947	.00082944	.00080901	.00068870	.00042541	.00089807
31 ANIMAL FEEDS	.00155849	.00174654	.00143436	.00175374	.00166777	.00142618	.00086346	.00189931
32 BAKERY PROD	.00334988	.00390287	.00316830	.00394053	.00370543	.00318749	.00194861	.00424984
33 CNND, PSVP, PCK	.00270378	.00303363	.00257755	.00319608	.00294058	.00258488	.00162944	.00331560
34 OTH FOOD PROD	.00942824	.01309324	.00885922	.01102126	.01040376	.00895076	.00540946	.01195468
35 BEVERAGES	.01047960	.01216887	.00978489	.01219142	.01150649	.01017454	.00597898	.01323694
36 TEXTILE MILL	.01355520	.00047301	.00033835	.00046019	.00053825	.00037923	.00023747	.00044800
37 MBWMC FURN	.00737617	.00418615	.00335514	.00430273	.00396290	.00362795	.00207332	.00454820
38 RELATED APPRL	.00061644	.00071004	.00056664	.00070404	.00068466	.00057632	.00034709	.00076885
39 LOGGING	.01099235	.00053620	.00034735	.00045786	.00052150	.00039156	.00048489	.00038053
40 LUMBER MILLS	.00256726	.00077918	.00028212	.00039304	.00041931	.00032011	.00034164	.00031390
41 MILLWORK, WOOD	.01658653	.00226794	.00238716	.00319250	.00304945	.00268816	.00342527	.00241014
42 WOOD FURN, FIX	.00298087	.00095370	.00077323	.00097693	.00100549	.00084054	.00065114	.00093974
43 MET FURN, FIXT	.00038010	.00035309	.00035759	.00043488	.00039193	.00031986	.00024601	.00038959
44 PAPER, PAP MIL	.00689061	.00470625	.00132960	.00177688	.00292083	.00132128	.00281657	.00148215
45 PAP EX BOX, CT	.02126570	.00133970	.00099410	.00222995	.00290466	.00098086	.00149433	.00118880
46 BOXES, PAP CNT	.00925056	.00232029	.00183467	.00307515	.00274866	.00216144	.00134910	.00260845
47 NEWSPAPERS	.00919595	.00485142	.00529681	.00521027	.00486911	.00424336	.00268242	.00523932
48 PUBLISHING	.00183644	.00048304	.00041880	.00052727	.00074736	.00043028	.00045429	.00049329
49 PRINTING	.00493354	.00371671	.00332869	.00302154	.00370761	.00255496	.00297303	.00285425
50 MANFLD BUS FM	.00143537	.00065163	.00052181	.00109040	.00096519	.00063449	.00046697	.00062908

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 113 *	SECTOR 114 *	SECTOR 115 *	SECTOR 116 *	SECTOR 117 *	SECTOR 118 *	SECTOR 119 *	SECTOR 120 *
51 OTH PRNT,PUBS	.00183315	.00040701	.00029131	.00046057	.00044571	.00031564	.00021626	.00035798
52 CHLOR,ALKALIE	.00095607	.00079088	.00063330	.00089926	.00080827	.00067967	.00053974	.00079259
53 CYCCRD INT,IG	.00272905	.00089593	.00073267	.00134114	.00094038	.00076796	.00050608	.00088073
54 ORG CHEM	.01177796	.01137054	.01016261	.01278972	.01603979	.01787892	.00975007	.01466496
55 INORG CHEM	.00193845	.00169446	.00129153	.00168143	.00177274	.00166970	.00079543	.00189075
56 FIBERS,PLASTI	.03051999	.00138061	.00093422	.00147082	.00142421	.00100821	.00065789	.00141351
57 SYN RUBBER	.00038559	.00044135	.00066031	.00218586	.00021308	.00024664	.00025951	.00033106
58 DRUGS	.00130002	.00044703	.00036188	.00044472	.00043767	.00036608	.00022748	.00048473
59 AGR1 CHEMICAL	.00194711	.00189934	.00155178	.00191070	.00182974	.00165848	.00098466	.00206313
60 SPS,CLNS,TOIL	.00198113	.00150250	.00108986	.00148477	.00140267	.00143318	.00061502	.00159494
61 PAINT,VARNISH	.00196747	.00157595	.00093043	.00120090	.00155500	.00109843	.00093547	.00116877
62 OTH CHEMICALS	.00384088	.00196565	.00135344	.00180555	.00210904	.00191173	.00086005	.00189913
63 PETRO REFING	.04738838	.10798218	.10285395	.12525602	.16760665	.20628277	.03743569	.19258665
64 OTH PETRO PRD	.00028471	.00023861	.00021993	.00029376	.00026695	.00029758	.00039843	.00024963
65 TIRES	.00129282	.00265022	.00418093	.01412016	.00115250	.00141962	.00158137	.00190858
66 FAB RUBBER PR	.00620405	.00073158	.00021219	.00030927	.00032471	.00028229	.00022023	.00024513
67 PLASTIC PRODS	.03164276	.00404789	.00270825	.00334716	.00434646	.00281769	.00184064	.00329957
68 LEATHER,L PRD	.00414302	.00036519	.00028678	.00035778	.00035092	.00031306	.00018967	.00038842
69 GLASS	.00907537	.00159768	.00091727	.00115923	.00116351	.00098070	.00065005	.00122508
70 CLAY	.00035700	.00034890	.00029529	.00038891	.00037913	.00043789	.00043950	.00037198
71 CUT ST,CL,SH	.00130861	.00119805	.00084777	.00122539	.00307370	.00090220	.00603399	.00104873
72 CEMENT,CONCRT	.00329144	.00068105	.00067464	.00090907	.00103366	.00116346	.00139788	.00074226
73 BLAST FURNACE	.00242321	.00306548	.00055192	.00087053	.00349791	.00067393	.00090273	.00076306
74 PRI STEEL,IRO	.00537107	.00060495	.00018862	.00029570	.00045330	.00025617	.00024718	.00026798
75 FOUNDRIES	.00066657	.00095377	.00040297	.00056785	.00341410	.00049565	.00055971	.00051078
76 NONFER SMELTG	.00262570	.00119871	.00056334	.00089373	.00103866	.00057596	.00068240	.00062840
77 AL SMLT ROL DR	.00472910	.00180426	.00103471	.00141805	.00189846	.00164909	.00114930	.00152312
78 CAST,FORGINGS	.00072793	.00162424	.00008906	.00012863	.00036927	.00027220	.00015119	.00010604
79 FABRI STEEL	.00222511	.00036649	.00020921	.00035313	.00062171	.00029629	.00026947	.00033086
80 PLATE WORK	.00547598	.00013179	.00009160	.00012550	.00060188	.00010900	.00015966	.00010385
81 SH MET,ARCH	.01614516	.00147468	.00113138	.00152029	.00156374	.00173419	.00184748	.00135116
82 METAL DOORS	.00025877	.00015101	.00012784	.00016020	.00019737	.00015007	.00010736	.00015976
83 FAB MET PPOD	.00389932	.00743146	.00256095	.00360550	.00410716	.00299600	.00180343	.00375494
84 PLUMBING	.00042432	.00031539	.00021744	.00029418	.00056340	.00028505	.00029610	.00026174
85 BOLTS,NUTS,SC	.01434285	.00744247	.00050886	.00081729	.00219063	.00049601	.00070241	.00072049
86 ELCTPLT,CT,EN	.00044970	.00029852	.00014543	.00019250	.00025060	.00032727	.00017818	.00018182
87 VALVE,PIPE FT	.00178713	.00119524	.00094442	.00118943	.00153250	.00116172	.00096576	.00115396
88 OTH FAB MET P	.00173340	.00112104	.00076146	.00088081	.00141692	.00079116	.00048006	.00092536
89 FM,CONS,IND M	.00032275	.00032808	.00026479	.00034159	.00033213	.00037240	.00036986	.00032800
90 MTL HDL MC,EQ	.00011838	.00011514	.00008541	.00010491	.00012496	.00012621	.00005995	.00012779
91 MIN MACH,EQU	.00041959	.00046920	.00039545	.00049128	.00052627	.00055621	.00036124	.00055853
92 ENGINES	.00078947	.00967443	.00015889	.00021860	.00022195	.00016417	.00463311	.00016659
93 METAL WK MACH	.00033398	.00297828	.00015238	.00019061	.00019503	.00021568	.00016943	.00016943
94 IND PROC MACH	.00113255	.00039267	.00032350	.00046821	.00055787	.00040302	.00021314	.00042828
95 GEN IND MACH	.00275135	.00310758	.00255361	.00315579	.00225995	.00172226	.00512101	.00194713
96 REFRIG MACH	.00027874	.00021860	.00020554	.00047819	.00028224	.00038943	.00012471	.00022471
97 COMPU,ACCT MACH	.00109247	.00090835	.00064145	.00093717	.00161987	.00189006	.00105785	.00077557
98 ELEC INST,AP	.00945399	.00381211	.00106018	.00153910	.00280874	.00176767	.00445504	.00124126
99 ELEC HSLD EQ	.00030047	.00029557	.00026363	.00033297	.00187351	.00027341	.00034259	.00032148
100 ELEC COMM EQ	.00104258	.00352385	.00083569	.00107360	.00256644	.00124583	.00295196	.00096788

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 113 *	* SECTOR 114 *	* SECTOR 115 *	* SECTOR 116 *	* SECTOR 117 *	* SECTOR 118 *	* SECTOR 119 *	* SECTOR 120 *
101 OTH ELEC APP	.00106032	.00277868	.00109244	.00227721	.00285535	.00040788	.00077120	.00038982
102 AIRCRAFT	.00001367	.00001682	.00001218	.00002061	.00001236	.00120276	.00000736	.00001357
103 AIRCRAFT ENG	.00000105	.00000104	.00000083	.00000104	.00000110	.00000150	.00000055	.00000111
104 OTH AIRCRAFT	.00006544	.00008414	.00006175	.00006172	.00005710	.00664331	.00003801	.00006444
105 MOTOR VHCL,P	.00543584	.00583122	.00515104	.02815274	.00595921	.00499469	.00308009	.02541289
106 SHIP,BT BLDG	.00029577	.00037101	.00033808	.00040663	.02987361	.00033083	.00019924	.00040246
107 OTH TRANS EQ	.00141503	.00549709	.00129356	.00161987	.00153960	.00128686	.00079025	.00174667
108 SCIENTIF INS	.00008425	.00008030	.00009313	.00010944	.00008846	.00007471	.00006924	.00008882
109 MECH MSRG DV	.00009882	.00010328	.00015124	.00067497	.00017962	.00010526	.000435483	.00009270
110 MEDICAL INST	.00078275	.00080899	.00077372	.00092391	.00084399	.00071045	.00052122	.00088178
111 PHO,TH,OPT I	.00038248	.00042107	.00036112	.00040787	.00037817	.00033278	.00025345	.00036646
112 GAMES,TOYS	.00017597	.00016944	.00014110	.00013928	.00016473	.00013928	.00008851	.00018414
113 OTH MFG IND	1.00494081	.00120486	.00111169	.00140768	.00164474	.00117545	.00080740	.00128619
114 RAIL TRANS	.00664102	1.03446023	.00749850	.00707091	.00416788	.00434473	.00476871	.00432161
115 INTERCTY HGY	.00085014	.00651051	1.00139633	.00102698	.00093607	.00091735	.00078646	.00115072
116 MOTOR FRT STR	.02953074	.01882730	.02089639	1.07001792	.01647114	.01553526	.01333716	.01819521
117 WATER TRANS	.00242022	.00377934	.00437933	.00354941	1.03905476	.00410654	.00242946	.00404570
118 AIR TRANS	.00897383	.01192759	.00839861	.00822703	.00768513	1.01496046	.00511566	.00880786
119 PIPELINE TRN	.00174196	.00277983	.00232691	.00272883	.00356622	.00411254	1.01584029	.00398370
120 LOC,SUB TRAN	.00079346	.00091162	.00072986	.00090804	.00086046	.00073412	.00044477	1.00099102
121 OTH TRAN SER	.00104589	.01398683	.00380972	.00077559	.00149554	.00636427	.00203337	.00121658
122 TELEP,TELEGR	.01422860	.01826861	.02528849	.02729289	.01461409	.02476187	.04493031	.01939833
123 RADIO , TV	.00231812	.00167485	.00180529	.00214425	.00176808	.00181063	.00114322	.00188306
124 OTH COMMUNIC	.00033531	.00036286	.00030838	.00037651	.00036238	.00033699	.00021372	.00039849
125 GAS SERVICES	.02911557	.02435297	.02598330	.03426182	.02359898	.02245602	.03466965	.02753358
126 ELEC SERVICES	.03713774	.02740840	.03171011	.03995659	.02709623	.02467321	.05647406	.03207055
127 WATER,SANI SERV	.00796450	.01195502	.00724177	.00788870	.00769453	.00654891	.00955354	.00838264
128 WHL AUT PT,S	.01333146	.01510537	.02852017	.02208669	.03029776	.01419674	.01013217	.02060206
129 WHL GRO,REL P	.01176007	.01339703	.01086082	.01363551	.01273479	.01100431	.00667450	.01469874
130 WHL FM PROD	.00348715	.00095411	.00083549	.00097710	.00102183	.00080890	.00050160	.00103342
131 WHL LIVESTOC	.00021941	.00024703	.00131705	.00024094	.00023037	.00019773	.00011985	.00026032
132 WHL MAC,EQ,S	.00957907	.00670460	.00774056	.00732907	.01091812	.00110090	.00517461	.00799469
133 WHL PET,PETP	.01332625	.03937473	.02711753	.02449984	.01955108	.04268076	.01240840	.05074414
134 GEN WHL	.07042436	.03739785	.03572146	.04105806	.05291746	.03422639	.02252376	.04290103
135 LUMBER YARDS	.00294940	.00297225	.00228847	.00301714	.00275327	.00239662	.00151824	.00333935
136 FARM EQ DEAL	.00173389	.00188928	.00156722	.00197652	.00183389	.00155112	.00095177	.00210689
137 HDW,HT,E,P,W	.00142895	.00072839	.00059839	.00075967	.00086262	.00062466	.00043736	.00079085
138 DEPT,VAR STO	.01536093	.01614693	.01289710	.01613590	.01539007	.01304494	.00789393	.01763776
139 FOOD STORES	.01687312	.01972837	.01575844	.01963905	.01861068	.01587335	.00958127	.02145277
140 AUTO DEAL,RP	.01532667	.01749464	.01402203	.02577173	.01667287	.01881897	.01070232	.02083517
141 GAS SER STAT	.00345397	.00316182	.00362570	.00798749	.00313093	.00284826	.00262386	.00363842
142 APPRL ACC ST	.00764925	.00902800	.00720093	.00900966	.00851103	.00724674	.00437237	.00981671
143 FURN,HH F,EQ	.00617338	.00582228	.00462304	.00578937	.00548862	.00468829	.00285460	.00630121
144 EAT,DRINK PL	.01948142	.02174682	.01828969	.02231606	.02091197	.02038838	.01107657	.02380233
145 OTHER RETAIL	.01405239	.01485334	.01190807	.01489589	.01412409	.01203261	.00731355	.01611833
146 BANK,CRD AGE	.06629383	.07180811	.07693104	.09743933	.08997388	.08278652	.06825093	.07252319
147 INSURANCE CA	.02392011	.02150299	.04750329	.04280638	.05894588	.03804950	.02025643	.05314412
148 F.I.R.E. NEC	.05430131	.06827789	.08951975	.11104590	.10937476	.05791249	.06317576	.06254190
149 LEGAL SERVIC	.01098223	.01111152	.01808803	.02222732	.01303414	.01107424	.00876292	.01287194
150 LODGING SERV	.00622419	.00597503	.00586317	.00667988	.00606263	.00850777	.00353489	.00670682

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 113 *	* SECTOR 114 *	* SECTOR 115 *	* SECTOR 116 *	* SECTOR 117 *	* SECTOR 118 *	* SECTOR 119 *	* SECTOR 120 *
151 PERSONAL SER	.00773009	.00895531	.00753495	.00916886	.00851650	.00735209	.00446317	.00975001
152 ADVERTISING	.0265583	.00310521	.00466818	.00379295	.00150547	.00261554	.00138884	.00266782
153 DUPL, ADDRESS	.00058475	.00061965	.00058487	.00073841	.00065648	.00087347	.00047883	.00065615
154 PRI, ENPL AGE	.00064730	.00062924	.00057173	.00068077	.00079852	.00058872	.00037762	.00068950
155 PHOTO SERVIC	.00254942	.00499944	.00257642	.00281338	.00270188	.00246807	.00157255	.00298042
156 RESRCH, DEVEL	.00019446	.00011710	.00010265	.00014180	.00021381	.00013218	.00008524	.00012512
157 OTHER BUS SE	.01082059	.00881002	.00842385	.00895800	.00921553	.01624144	.00567840	.01059509
15d MTN PCT, AM, R	.00571480	.00668944	.00538057	.00671142	.00630729	.00546570	.00328769	.00275056
159 AUTO RENT SE	.00346861	.00181755	.00277522	.01052679	.00207847	.00643104	.00168977	.00312059
160 AUTO PARKING	.00041940	.00049171	.00040559	.00050158	.00047864	.00040673	.00024995	.00054054
161 ELEC REP SHP	.00172062	.00206130	.00152326	.00215777	.00155177	.00139952	.00095487	.00174907
162 MISC REP SER	.00585407	.00394823	.00390645	.00398868	.00705552	.00683142	.02286728	.00460429
163 PHYS, DENT SE	.01032769	.01217999	.00982371	.01217917	.01160680	.00985536	.00594374	.01334178
164 HOSP, LAB SER	.02404741	.02836942	.02276541	.02828375	.02686406	.02287387	.01382023	.03093893
165 OTH MED SERV	.01064687	.01259182	.01004498	.01251293	.01185074	.01010841	.00609857	.01369498
166 ED(PUB, PRI)	.02356449	.02079948	.02606870	.03276915	.02274770	.02151321	.01929060	.02402214
167 COLL, UNIV	.01215523	.01147980	.01494203	.01726941	.01192331	.01097544	.01013602	.01316363
168 OTH ED SERV	.00188662	.00222942	.00181831	.00222264	.00233805	.00180203	.00111016	.00242478
169 ENG, ARCH SER	.00286577	.00255781	.00253060	.00301875	.00288925	.00273367	.00224612	.00302425
170 COMPU, ACCT SERV	.01056794	.00980141	.01257390	.01359745	.01033582	.01098078	.00942705	.00985340
171 OTH PROF SER	.00019160	.00011424	.00009945	.00012339	.00011033	.00009647	.00007545	.00010757
172 OTHER SERVIC	.02692743	.01838528	.01586978	.01605330	.03224324	.01349640	.00972124	.01714120
173 ORD, ORD ACCS	.00000730	.00000902	.00000635	.00000807	.00001443	.00000660	.00000460	.00000857
174 OUTDOOR REC	.00114229	.00117827	.00152102	.00219768	.00124657	.00112146	.00090025	.00133303
175 SCRAP	.00036372	.00019019	.00014350	.00017646	.00023133	.00013879	.00009991	.00016714
176 HOUSEHOLDS	.68787187	.81382962	.64914861	.80866771	.76583908	.65324963	.39401612	.88518059
TOTAL DIR/IND/IND REQ	2.89436215	2.95584907	2.70182682	3.14777301	3.08697823	2.82709805	2.23159559	3.14629774

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 121 *	* SECTOR 122 *	* SECTOR 123 *	* SECTOR 124 *	* SECTOR 125 *	* SECTOR 126 *	* SECTOR 127 *	* SECTOR 128 *
1 IRR COTTON	.00019454	.00016214	.00020482	.00021800	.00014142	.00016296	.00027992	.00020889
2 IRR FOOD GRAIN	.00029842	.00024933	.00031564	.00032889	.00021835	.00023530	.00034800	.00031661
3 IRR FEED GRAIN	.00070910	.00057859	.00074456	.00072409	.00050089	.00052968	.00073032	.00069293
4 OTHER IRR CROP	.00251440	.00200344	.00263360	.00245709	.00174058	.00182339	.00250841	.00250735
5 DRYLAND COTTON	.00012345	.00010317	.00012944	.00013628	.00008966	.00009963	.00015555	.00013032
6 DRY FOOD GRAIN	.00016556	.00013635	.00017654	.00019897	.00011892	.00013213	.00019548	.00017140
7 DRY FEED GRAIN	.00052563	.00044583	.00055944	.00055589	.00039102	.00041080	.00056926	.00053252
8 OTHER DRY CROP	.00155692	.00129503	.00160941	.00160020	.00110752	.00117877	.00165040	.00150158
9 RANGE LIVESTOCK	.00469367	.00384938	.00490050	.00476903	.00331797	.00350980	.00485563	.00454000
10 FEEDLOT LIVSTK	.00512431	.00412419	.00535900	.00519581	.00355636	.00377530	.00522484	.00497437
11 DAIRY	.00236136	.00211773	.00257313	.00243811	.00189015	.00190695	.00248495	.00233663
12 POULTRY,EGGS	.00175057	.00149643	.00183505	.00180690	.00129528	.00135509	.00186598	.00170266
13 AG SUP EX FMC	.00087042	.00073168	.00091795	.00089209	.00063586	.00066663	.00091327	.00085356
14 COTTON GINNING	.00004052	.00003392	.00004265	.00004481	.00002936	.00003345	.00005428	.00004291
15 AGR SERVICES	.00085095	.00071052	.00089997	.00087021	.00062043	.00065128	.00091957	.00083987
16 PRIM FORESTRY	.00060143	.00306131	.00087760	.00066460	.00042126	.00428675	.00098022	.00069672
17 FISHERIES	.00040855	.00036573	.00045274	.00041667	.00033195	.00033000	.00042137	.00041401
18 CRUDE PETRO	.02656140	.01995133	.02337311	.02514250	.52042615	.15586834	.04353582	.04458217
19 NATRL GAS LQDS.	.00199259	.00142337	.00156600	.00184050	.00117165	.00130498	.00214060	.00196024
20 OIL,GAS FLDSV	.00591771	.00434857	.00499401	.00544943	.09648664	.02932001	.00890201	.00918605
21 LIGNITE,OTH MINE	.00122182	.00119763	.00171268	.00178106	.00099020	.02922293	.00393171	.00178531
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00000511	.00000370	.00000674	.00000480	.00000420	.00000456	.00001399	.00000573
24 INDUS CONS	.00000003	.00000002	.00000004	.00000003	.00000003	.00000003	.00000009	.00000004
25 FACILITY CONS	.00002046	.00001484	.00002692	.00001925	.00001681	.00001821	.00005560	.00002290
26 MAINTEN,REPR	.01348853	.00976555	.01779857	.01267700	.01110278	.01203351	.03696945	.01512592
27 MEAT PRODUCTS	.02135062	.01761704	.02224144	.02136858	.01519569	.01595725	.02200272	.02059814
28 POULTRY PROD	.00178085	.00158047	.00190968	.00182007	.00139275	.00141302	.00187316	.00172921
29 DAIRIES	.00543135	.00494437	.00596143	.00553167	.00443726	.00441796	.00565863	.00532969
30 OTH GRAIN MIL	.00075088	.00063356	.00079453	.00078521	.00055476	.00058584	.00088511	.00075527
31 ANIMAL FEEDS	.00158570	.00133510	.00165666	.00163175	.00115165	.00121289	.00167617	.00153566
32 BAKERY PROD	.00358770	.00306246	.00379242	.00363494	.00267162	.00277094	.00373836	.00347084
33 CNND,PSVP,PCK	.00298230	.00285553	.00348424	.00293243	.00269145	.00252389	.00293441	.00302172
34 OTH FOOD PROD	.00996149	.00834244	.01032051	.01017015	.00716164	.00756569	.01050397	.00961158
35 BEVERAGES	.01096883	.00917006	.01132215	.01125462	.00785057	.00832329	.01162255	.01052678
36 TEXTILE MILL	.00037722	.00030968	.00040167	.00042256	.00027236	.00037049	.00089678	.00040873
37 MBWMC FURN	.00375819	.00312196	.00383538	.00387446	.00266668	.00306707	.00401533	.00359813
38 RELATED APPRL	.00064119	.00051484	.00064814	.00065581	.00046724	.00050111	.00078740	.00064486
39 LOGGING	.00037492	.00159759	.00052100	.00042095	.00026282	.00217578	.00058175	.00044052
40 LUMBER MILLS	.00029563	.00063092	.00046837	.00030019	.00043685	.00073556	.00043861	.00036289
41 MILLWORK,WOOD	.00250506	.001612329	.00389453	.00277523	.00162467	.02339833	.00445220	.00290091
42 WOOD FURN,FIX	.00087099	.00073208	.00100322	.00093694	.00069445	.00073496	.000905392	.00090075
43 MET FURN,FIXT	.00035688	.00043629	.00052687	.00036076	.00049770	.00044178	.00035789	.00041635
44 PAPER,PAP MIL	.00175465	.00252909	.00189188	.00157452	.00103291	.00112875	.00172280	.00163367
45 PAP EX BOX,CT	.00110491	.00134466	.00129105	.00120205	.00125588	.00121704	.00274879	.00123028
46 BOXES,PAP CNT	.00196455	.00167197	.00220974	.00218771	.00140044	.00159255	.00274219	.00205276
47 NEWSPAPERS	.00496789	.00397083	.01116789	.00485576	.00348289	.00456860	.00744227	.00679748
48 PUBLISHING	.00047720	.00066650	.00172913	.000509681	.00040993	.00081449	.00051021	.00056824
49 PRINTING	.00805863	.01995056	.00639748	.00393577	.00198629	.00213635	.00242461	.00339129
50 MANFLC BUS FM	.00188218	.00045637	.00102438	.00099086	.00067489	.00087036	.00067218	.00105073

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 121 *	* SECTOR 122 *	* SECTOR 123 *	* SECTOR 124 *	* SECTOR 125 *	* SECTOR 126 *	* SECTOR 127 *	* SECTOR 128 *
51 OTH PRNT,PUBS	.00056847	.00037691	.00079801	.00191291	.00026599	.00036853	.00085965	.00047326
52 CHLOR,ALKALIE	.00071627	.00067334	.00080027	.00083344	.00066495	.00236396	.00940951	.00083874
53 CYCCRO INT,IG	.00073836	.00050510	.00064576	.00093722	.00044711	.00056722	.01177623	.00093330
54 ORG CHEM	.00715405	.00500514	.00534643	.00697664	.00563978	.00517407	.00774387	.00785642
55 INORG CHEM	.00139157	.00108799	.00135330	.00146750	.00126306	.00134882	.00301940	.00145105
56 FIBERS,PLASTI	.00103991	.00082445	.00113922	.00213463	.00071977	.00100005	.00138550	.00123974
57 SYN RUBBER	.00071025	.00015366	.00016124	.00019371	.00011811	.00015025	.00022855	.00035013
58 DRUGS	.00040771	.00032630	.00042165	.00042288	.00028099	.00031563	.00043104	.00039220
59 AGRI CHEMICAL	.00225855	.00143127	.00214991	.00177720	.00124393	.00176860	.00231744	.00175671
60 SPS,CLNS,TOIL	.00121944	.00092409	.00122484	.00111157	.00075907	.00088849	.00176529	.00110625
61 PAINT+VARNISH	.00100454	.00092056	.00115209	.00111244	.00090592	.00098247	.00137044	.00103491
62 OTH CHEMICALS	.00128566	.00132470	.00117284	.00147082	.00133927	.00210442	.00131433	.00121066
63 PETRO REFING	.07563811	.04852326	.04582219	.05184264	.03568175	.03979170	.06055305	.06684052
64 OTH PETRO PRD	.00020762	.00018455	.00027602	.00255333	.00121660	.00264024	.00343747	.00030946
65 TIRES	.00450458	.00087825	.00087765	.00089543	.00065330	.00083365	.00115087	.00197295
66 FAB RUBBER PR	.00024166	.00017864	.00024712	.00056259	.00016529	.00028878	.00148128	.00024261
67 PLASTIC PPODS	.00305554	.00239415	.00341315	.00536378	.00207888	.00269384	.00423993	.00301486
68 LEATHER,L PRD	.00031591	.00025873	.00032837	.00036169	.00022736	.00024613	.00043938	.00032607
69 GLASS	.00102248	.00087129	.00111326	.00111073	.00076937	.00080619	.00113472	.00108493
70 CLAY	.00031526	.00024964	.00040251	.00031864	.00023931	.00034455	.00056075	.00032373
71 CUT ST,CL,SH	.00083044	.00068898	.00109610	.00092957	.00061362	.00102696	.03754810	.00109906
72 CEMENT,CONCRT	.00070475	.00082920	.00087267	.00067766	.00077985	.00092256	.00438277	.00079954
73 PLAST FURNACE	.00056557	.00045632	.00076828	.00070032	.00065071	.00094074	.00317335	.00073930
74 PRI STEEL,IRO	.00019976	.00017851	.00025400	.00025000	.00023479	.00043608	.00047593	.00029951
75 FOUNDRIES	.00041039	.00032710	.00057202	.00050230	.00106265	.00079581	.00079477	.00055602
76 NONFER SMELTG	.00069834	.00052985	.00059869	.00286317	.00034981	.00053009	.00068001	.00061088
77 AL SMLT ROL DR	.00100578	.00089918	.00133967	.00178303	.00176155	.00109121	.00199731	.00024537
78 CAST,FORGINGS	.00008932	.00007685	.00012418	.00011922	.00012691	.00014543	.00012871	.00012780
79 FABRI STEEL	.00022193	.00017162	.00033594	.00032426	.00019806	.00031616	.00035693	.00029328
80 PLATE WQRK	.00010205	.00006865	.00010975	.00012116	.00008297	.00014478	.00024570	.00012408
81 SH MET,ARCH	.00121264	.00092765	.00150933	.00134865	.00115581	.00163256	.00200902	.00135550
82 METAL DOORS	.00014218	.00011664	.00023757	.00014061	.00010060	.00017868	.00015842	.00013788
83 FAB MET PROD	.00264721	.00230581	.00272532	.00300735	.00202899	.00210281	.00426584	.00278409
84 PLUMBING	.00023045	.00020612	.00063375	.00026850	.00020800	.00047179	.00042075	.00028072
85 BOLTS,NUTS,SC	.00048280	.00039697	.00050962	.00069746	.00040038	.00063198	.00065368	.00064572
86 ELCTPLT,CT,EN	.00015607	.00011810	.00018462	.00034375	.00013942	.00024787	.00020148	.00018498
87 VALVE,PIPE FT	.00080343	.00066474	.00095217	.00090109	.01137153	.00493110	.00266895	.00156910
88 OTH FAB MET P	.00081018	.00058097	.00095948	.00143521	.00056914	.00059252	.00073978	.00081547
89 FM,CONS,IND M	.00027544	.00021864	.00031114	.00027760	.00021230	.00044827	.00123882	.00036161
90 HTL HDL MC,EQ	.00007446	.00006084	.00007154	.00010388	.00006676	.00026144	.00009480	.00008558
91 MIN MACH,EQUP	.00033432	.00042620	.00034518	.00035316	.00412121	.00203225	.00057610	.00052505
92 ENGINES	.00013235	.00010499	.00012482	.00016842	.00013887	.00043556	.00038184	.00026496
93 METAL WK MACH	.00015149	.00012257	.00016283	.00017639	.00018576	.00032749	.00056727	.00018451
94 IND PROC MACH	.00036047	.00040863	.00029936	.00030118	.00018077	.00026776	.00113723	.00067412
95 GEN IND MACH	.00283756	.00120659	.00205844	.00207050	.00162135	.00200523	.00154302	.00227542
96 REFRIG MACH	.00023325	.00020629	.00026333	.00020632	.00022275	.00020455	.00025100	.00096141
97 COMP,ACCT MACH	.00073084	.00085418	.00095123	.00129922	.00065641	.00089128	.00174736	.00089150
98 ELEC INST,AP	.00095739	.00140855	.00129812	.00112418	.00099935	.00165848	.00324837	.00120150
99 ELEC HSLD EQ	.00029501	.00024656	.00032406	.00032485	.00025624	.00024736	.00042884	.00036337
100 ELEC COMM EQ	.00090626	.00140376	.00784403	.16291832	.00158150	.00139669	.00096802	.00105840

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 121	* SECTOR 122	* SECTOR 123	* SECTOR 124	* SECTOR 125	* SECTOR 126	* SECTOR 127	* SECTOR 128 *
101 OTH ELEC APP	.00183052	.00054156	.00109791	.01351023	.00034781	.00038876	.00044306	.00048893
102 AIRCRAFT	.00001940	.00000903	.00002631	.00001207	.00000969	.00000892	.00001217	.00001406
103 AIRCRAFT ENG	.00000094	.00000078	.00000099	.00000096	.00000071	.00000073	.00000102	.00000093
104 OTH AIRCRAFT	.00010231	.00004997	.00014311	.00005674	.00005688	.00004839	.00005718	.00007233
105 MOTOR VHCL,P	.00650435	.00421005	.00629404	.01111109	.00371859	.00413626	.00577148	.00654217
106 SHIP,BT BLDG	.00031436	.00023645	.00028821	.00029199	.00031841	.00026408	.00031984	.00051881
107 OTH TRANS EQ	.00143365	.00116228	.00145999	.00150068	.00097969	.00109062	.00152973	.00139749
108 SCIENTIF INS	.00008601	.00013147	.00014549	.00019171	.00017268	.00012993	.00008059	.00011389
109 MECH MSRG DV	.00008993	.00005394	.00007809	.00008320	.00006618	.00007189	.00008583	.00013759
110 MEDICAL INST	.00080670	.00091339	.00107874	.00083569	.00100609	.00089400	.00309713	.00091929
111 PHO,TH,OPT I	.00041924	.00038240	.00099167	.00048385	.00034538	.00037700	.00035490	.00045132
112 GAMES,TOYS	.00015702	.00013769	.00017640	.00016188	.00012485	.00012697	.00016351	.00017068
113 OTH MFG IND	.00130068	.00109741	.00157779	.00126468	.00090348	.00096287	.00166455	.00156034
114 RAIL TRANS	.00429716	.00371765	.00396105	.00298939	.00280670	.00552966	.00566168	.01142879
115 INTERCTY HGY	.00101488	.00071302	.00105955	.00089081	.00059897	.00066360	.00093872	.00098549
116 MOTOR FRT STR	.01638448	.01346435	.01618198	.01475602	.01201651	.01407099	.01934383	.02915706
117 WATER TRANS	.00267969	.00140683	.00159274	.00176500	.00380665	.00262141	.00231731	.00802969
118 AIR TRANS	.01474281	.00627325	.02043504	.00768667	.00693526	.00600893	.00779183	.00986209
119 PIPELINE TRN	.00195104	.00116860	.00121978	.00140928	.00095154	.00119628	.00186308	.00808589
120 LOC,SUB TRAN	.00082061	.00066581	.00083348	.00083918	.00055987	.00060751	.00087130	.00078432
121 OTH TRAN SER	1.00625756	.00049024	.00070666	.00070771	.00053154	.00120677	.00075054	.00272182
122 TELEP,TELEGR	.01845565	1.00860825	.02988746	.02893005	.00961818	.01101276	.01335498	.02738074
123 RADIO , TV	.00194670	.00179181	1.00386597	.01648494	.00148166	.00233895	.00175964	.00359397
124 OTH COMMUNIC	.00038047	.00026807	.00660386	1.08439605	.00034254	.00028831	.00038959	.00049191
125 GAS SERVICES	.02331550	.02013509	.02711786	.02713203	1.02724358	.29496303	.06075061	.06032017
126 ELEC SERVICES	.02771841	.02924604	.04317584	.04573826	.02086003	1.01997423	.08354110	.04478648
127 WATER,SANI SERV	.00712511	.00816189	.01111420	.00952205	.00514383	.01094285	1.15153950	.01303484
128 WHL AUT PT,S	.04757636	.01054406	.01307158	.01322195	.00905183	.01018477	.01406736	1.01471391
129 WHL GRO,RELP	.01245159	.01015231	.01284302	.01243787	.00873126	.00928356	.01285098	.01226186
130 WHL FM PROD	.00099707	.00068826	.00086710	.00088944	.00061465	.00066827	.00105922	.00558649
131 WHL LIVESTOC	.00022153	.00018077	.00022993	.00022580	.00015564	.00016579	.00023495	.00021928
132 WHL MAC,EO,S	.00684557	.00662491	.00769222	.00628181	.00773639	.00782719	.03768074	.01603080
133 WHL PET,PETP	.01790012	.00923684	.01263831	.01175364	.01002905	.01118473	.01688957	.01711029
134 GEN WHL	.03758514	.02855897	.03693934	.04208037	.02702311	.03049716	.04140661	.04673111
135 LUMBER YARDS	.00274649	.00205980	.00260228	.00257287	.00178430	.00208171	.00274057	.00250486
136 FARM EQ DEAL	.00177890	.00138467	.00173924	.00175716	.00122016	.00132342	.00178589	.00164337
137 HDW,HT,E,P,W	.00066687	.00060038	.00073644	.00070907	.00054584	.00071980	.00074416	.00076537
138 DEPT,VAR STO	.01446051	.01184828	.01474298	.01526042	.00994196	.01084026	.01543130	.01371706
139 FOOD STORES	.01769090	.01441161	.01797749	.01814390	.01215975	.01314446	.01882572	.01681458
140 AUTO DEAL,RP	.02754782	.01123783	.01454238	.01440589	.01146513	.01896976	.01551400	.01626366
141 GAS SER STAT	.00395156	.00228450	.00315914	.00292546	.00227311	.00243223	.00357658	.00587055
142 APPRL ACC ST	.00806894	.00616968	.00816968	.00828201	.00552302	.00599440	.00860918	.00766732
143 FURN,HH F,EQ	.00518044	.00434737	.00528262	.00593042	.00355472	.00403249	.00554871	.00492894
144 EAT,DRINK PL	.02507502	.01600392	.02559080	.02092102	.01362327	.01459826	.02096782	.02465223
145 OTHER RETAIL	.01340007	.01088110	.01371716	.01374844	.00925646	.01000471	.01424021	.01416722
146 BANK,CRD AGE	.09444716	.06108591	.09435910	.13301612	.05651566	.06112324	.07627347	.10968475
147 INSURANCE CA	.06749168	.01459095	.02493953	.02904893	.01589100	.01719876	.02631447	.04592087
148 F.I.R.E. NEC	.11566496	.06833404	.097113919	.07922284	.06048074	.06208368	.04640620	.09800840
149 LEGAL SERVJC	.02027227	.00703509	.01425028	.01424707	.01129080	.01167226	.00709862	.01441225
150 LODGING SERV	.00979169	.00456253	.00871704	.00584958	.00437757	.00441745	.00630822	.01380132

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 121 *	* SECTOR 122 *	* SECTOR 123 *	* SECTOR 124 *	* SECTOR 125 *	* SECTOR 126 *	* SECTOR 127 *	* SECTOR 128 *
151 PERSONAL SER	.00824653	.00666149	.00895061	.00828037	.00556622	.00599749	.00862484	.00841384
152 ADVERTISING	.00217097	.00178884	.01199960	.00133592	.00090787	.00095845	.00118371	.00258533
153 DUPL, ADDRESS	.00074490	.00088635	.00143061	.00253062	.00084640	.00089956	.00059265	.00077148
154 PRI EMPL AGE	.00077201	.00046477	.00073478	.00078300	.00043904	.00045525	.00069491	.00095262
155 PHOTO SERVIC	.00276050	.00248878	.00500921	.00290142	.00164706	.00180656	.00264288	.00327182
156 RESRCH,DEVEL	.00011461	.00006587	.00008376	.00011049	.00006520	.00007338	.00014197	.00095302
157 OTHER BUS SE	.05436006	.00469327	.03871277	.00791828	.00660692	.00592700	.04264600	.01286008
158 MTN PCT,AM,R	.00618403	.00490867	.00925660	.00621689	.00416445	.00449215	.00637353	.00596329
159 AUTO RENT SE	.00519611	.00134701	.00336620	.00164918	.00160165	.00149499	.00223558	.01214284
160 AUTO PARKING	.00046126	.00036033	.00045578	.00047035	.00031279	.00033917	.00047322	.00043988
161 ELEC REP SHP	.00163532	.00116923	.00510162	.00154797	.00125853	.00117664	.00188987	.00191341
162 MISC REP SER	.00365125	.00269110	.00625276	.00663709	.00828549	.00564608	.00457840	.00725669
163 PHYS,DENT SE	.01106085	.00891943	.01110208	.01121752	.00755447	.00812576	.01164109	.01060311
164 HOSP,LAB SER	.02560342	.02068714	.02583903	.02611049	.01740291	.01887839	.02711096	.02421409
165 OTH MED SERV	.01125377	.00917825	.01139612	.01155073	.00770490	.00836233	.01200893	.01067861
166 ED(PUB,PRI)	.02669473	.06275880	.05975287	.02593416	.07277154	.04837822	.02167021	.03692538
167 COLL,UNIV	.01252735	.02233096	.02235364	.01119623	.02922484	.02144326	.01164999	.01748026
168 OTH ED SERV	.00199924	.00191463	.00225812	.00205377	.00136620	.00148263	.00212395	.00193610
169 ENG,ARCH SER	.00250995	.00231956	.00446842	.00263171	.00405991	.01863095	.00682259	.00609028
170 COMPU,ACCT SERV	.01557147	.00867610	.01702019	.01696292	.00724505	.00860573	.00898423	.01388590
171 OTH PROF SER	.00011074	.00012125	.00013662	.00012192	.00011206	.00019778	.00011123	.00014329
172 OTHER SERVIC	.01744029	.01132687	.02169279	.03287930	.01098881	.01178308	.01479821	.01678681
173 ORD,ORD ACCS	.00000702	.00000571	.00000747	.00000739	.00000665	.00000637	.00000833	.00000705
174 OUTDOOR REC	.00119439	.00236995	.00235575	.00108514	.00300861	.00149890	.00116060	.00180447
175 SCRAP	.00017787	.00010276	.00013006	.00024598	.00009980	.00011934	.00022806	.00161175
176 HOUSEHOLDS	.72712957	.59319497	.73620902	.74640287	.49788776	.54038782	.77599561	.68974640
TOTAL DIR/IND/IND REQ	2.91373140	2.42477693	2.88802453	3.08021514	2.86796459	2.83691890	3.12447240	2.91934679

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 129	* SECTOR 130	* SECTOR 131	* SECTOR 132	* SECTOR 133	* SECTOR 134	* SECTOR 135	* SECTOR 136 *
1 IRR COTTON	.00033119	.00066074	.00044527	.00045808	.00041815	.00024975	.00026305	.00016883
2 IRR FOOD GRAIN	.00050839	.00028423	.00053165	.00071030	.00064909	.00038058	.00046854	.00029815
3 IRR FEED GRAIN	.00079312	.00061417	.00117216	.00083479	.00073469	.00073951	.00116471	.00071403
4 OTHER IRR CROP	.00280254	.00214567	.00320859	.00302807	.00261784	.00262427	.00515125	.00323145
5 DRYLAND COTTON	.00020316	.00025323	.00022661	.00027563	.00025218	.00015530	.00016377	.00010308
6 DRY FOOD GRAIN	.00025152	.00015060	.00037419	.00034227	.00030226	.00019939	.00025454	.00016128
7 DRY FEED GRAIN	.00071744	.00047782	.00164015	.00087540	.00079230	.00060018	.00078850	.00048761
8 OTHER DRY CROP	.00176974	.00137668	.00199187	.00179352	.00162805	.00164145	.00204379	.00122199
9 RANGE LIVESTOCK	.00507581	.00412646	.00598226	.00507283	.00448791	.00483340	.00794039	.00490459
10 FEEDLOT LVSTK	.00548584	.00439364	.00613087	.00557646	.00485518	.00524408	.00864245	.00529270
11 DAIRY	.00276188	.00210985	.00279667	.00288807	.00261295	.00251537	.00307131	.00184162
12 POULTRY,EGGS	.00204719	.00157217	.00250962	.00211738	.00193082	.00186900	.00217505	.00129231
13 AG SUP EX FMC	.00100363	.00078848	.00121081	.00106067	.00094876	.00092175	.00131069	.00079957
14 COTTON GINNING	.00006606	.00010924	.00008254	.00008936	.00008149	.00005078	.00005549	.00003521
15 AGRY SERVICES	.00100066	.00079446	.00334245	.00107893	.00097898	.00091079	.00131261	.00080664
16 PRIM FORESTRY	.00131016	.00066673	.00074280	.00118353	.00110143	.00084821	.00079050	.00051750
17 FISHERIES	.00050812	.00036327	.00047663	.00058330	.00051945	.00044568	.00074018	.00046006
18 CRUDE PETRO	.04192299	.03208417	.02876670	.05023735	.04051334	.03263741	.02819941	.01914354
19 NATRL GAS LQDS.	.00277293	.00177251	.00191659	.00382297	.00351687	.00227334	.00214293	.00142575
20 OIL,GAS FLDSV	.00889888	.00681148	.00612192	.01082828	.00897701	.00695447	.00615298	.00419509
21 LIGNITE,OTH MINE	.00209388	.00175233	.00173328	.00234724	.00213258	.00181077	.00164743	.00114271
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00000745	.00000978	.00001347	.00000894	.00001339	.00000664	.00000651	.00000478
24 INDUS CONS	.00000005	.00000007	.00000009	.00000006	.00000009	.00000004	.00000004	.00000003
25 FACILITY CONS	.00002975	.00003890	.00005355	.00003562	.00005320	.00002653	.00002606	.00001910
26 MAINTEN,REPR	.01967850	.02583621	.03557300	.02361136	.03537628	.01753688	.01719340	.01263319
27 MEAT PRODUCTS	.02307268	.01850679	.02575179	.02286614	.02030060	.02198119	.03670341	.02279919
28 POULTRY PROD	.00196093	.00157933	.00273018	.00189661	.00172157	.00185199	.00216462	.00127597
29 DAIRIES	.00596100	.00481061	.00638874	.00579248	.00522339	.00562989	.00679904	.00403019
30 OTH GRAIN MIL	.00099833	.00067867	.00169632	.00118972	.00107766	.00084711	.00116976	.00072839
31 ANIMAL FEEDS	.00180162	.00140792	.02490795	.00183179	.00165721	.00167090	.00213267	.00127913
32 BAKERY PROD	.00390645	.00314635	.00423797	.00380993	.00342428	.00370764	.00519139	.00314995
33 CNND,PSVP,PCK	.00318029	.00258179	.00338533	.00321312	.00276834	.00303291	.00614561	.00391090
34 OTH FOOD PROD	.01099160	.00881290	.01261481	.01076909	.00974894	.01037526	.01249569	.00740675
35 BEVERAGES	.01215718	.00971388	.01311555	.01186658	.01080436	.01144682	.01313496	.00772069
36 TEXTILE MILL	.00052656	.00411709	.00112821	.00063940	.00056566	.00044639	.00053747	.00036419
37 MBWMC FURN	.00415576	.00334204	.00450359	.00400380	.00365848	.00392539	.00506711	.00306051
38 RELATED APPRL	.00091643	.00057563	.00076602	.00072554	.00066144	.00084294	.00076276	.00044188
39 LOGGING	.00087059	.00041777	.00045788	.00097111	.00089239	.00057044	.00051733	.00036059
40 LUMBER MILLS	.00045103	.00034698	.00038375	.00045441	.00043451	.00036063	.00035217	.00022970
41 MILLWORK,WOOD	.00538125	.00276776	.00313368	.00343447	.00320947	.00327284	.00319004	.00201847
42 WOOD FURN,FIX	.00099784	.00089812	.00104220	.00098812	.00090382	.00091611	.00104091	.00064475
43 MET FURN,FIXT	.00042918	.00033883	.00039034	.00040095	.00038003	.00038097	.00040876	.00026404
44 PAPER,PAP MIL	.00214933	.00171577	.00197940	.00281134	.00257304	.00255099	.00248558	.00171524
45 PAP EX BOX,CT	.00274523	.00183585	.00166182	.00163097	.00139998	.00208171	.00142049	.00096184
46 BOXES,PAP CNT	.00332886	.00302201	.00251568	.00287156	.00250356	.00289596	.00303762	.00207019
47 NEWSPAPERS	.00709889	.00438018	.00864614	.00685306	.00498689	.00720052	.02338049	.01382270
48 PUBLISHING	.00070004	.00134882	.00057898	.00081290	.00059892	.00141775	.00068356	.00050466
49 PRINTING	.00358562	.00287606	.00318773	.00606204	.00735373	.00638261	.00484290	.00358199
50 MANFLD BUS FM	.00089051	.00119721	.00072821	.00102162	.00065419	.00110296	.00102725	.00062378

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 129 *	* SECTOR 130 *	* SECTOR 131 *	* SECTOR 132 *	* SECTOR 133 *	* SECTOR 134 *	* SECTOR 135 *	* SECTOR 136 *
51 OTH PRNT,PUBS	.00060674	.00056475	.00057330	.00067953	.00072867	.00069535	.00099233	.00101713
52 CHLOR,ALKALIE	.00102365	.00068823	.00104111	.00139329	.00134428	.00093283	.00079138	.00052358
53 CYCCRD INT,I6	.00129593	.00071061	.00118734	.00212978	.00265817	.00116024	.00079423	.00063586
54 ORG CHEM	.01121904	.00669805	.00854116	.01399772	.01300771	.00826100	.00959919	.00515159
55 INORG CHEM	.00180654	.00125888	.00192055	.00239386	.00210834	.00163651	.00156940	.00100632
56 FIBERS,PLASTI	.00170834	.00102907	.00163834	.00265918	.00216508	.00162848	.00125464	.00087263
57 SYN RUBBER	.00036806	.00031131	.00027051	.00034844	.00291253	.00039153	.00025027	.00052586
58 DRUGS	.00044958	.00035842	.00202817	.00043899	.00039994	.00042124	.00049396	.00029745
59 AGRICHEMICAL	.00203874	.00163974	.00281643	.00214911	.00192287	.00186887	.00244327	.00154582
60 SPS,CLNS,TOIL	.00129864	.00107440	.00124615	.00132544	.00117900	.00115331	.00130495	.00081936
61 PAINT+VARNISH	.00119901	.00107976	.00131543	.00130546	.00217441	.00107442	.00114727	.00076631
62 OTH CHEMICALS	.00156560	.00112183	.00123084	.00186408	.00206031	.00128808	.00126836	.00089368
63 PETRO REFING	.06510561	.06065865	.05677945	.07478531	.06013933	.05793412	.06324687	.04454056
64 OTH PETRO PRD	.00033442	.00031814	.00035893	.00035975	.00037986	.00029452	.00027152	.00018587
65 TIRES	.00186551	.00172905	.00155521	.00118696	.01820376	.00210192	.00140778	.00328716
66 FAB RUBBER PR	.00033124	.00023735	.00027349	.00044204	.00040426	.00026375	.00026937	.00018878
67 PLASTIC PRODS	.00347101	.00275968	.00356490	.00481964	.00340353	.00324158	.00343520	.00217024
68 LEATHER,L PRD	.00042129	.00028986	.00037478	.00039879	.00036858	.00036192	.00040109	.00025167
69 GLASS	.00130623	.00132940	.00137172	.00148758	.00134007	.00119127	.00138821	.00086509
70 CLAY	.00039616	.00040296	.00054757	.00044960	.00051006	.00036428	.00038218	.00024675
71 CUT ST,CL,SH	.00118629	.00115347	.00121222	.00128318	.00122631	.00107631	.00098981	.00063240
72 CEMENT,CONCRT	.00095824	.00105811	.00143026	.00119498	.00148264	.00086222	.00081925	.00059074
73 BLAST FURNACE	.00100744	.00119645	.00094622	.00129745	.00120417	.00081193	.00066259	.00045141
74 PRI STEEL,IRO	.00034112	.00028176	.00027837	.00044913	.00040609	.00028564	.00025416	.00018790
75 FOUNDRIES	.00067287	.00072460	.00063122	.00097858	.00083451	.00057933	.00047854	.00033753
76 NONFER SMELTG	.00088070	.00053441	.00085393	.00143658	.00124949	.00075285	.00058057	.00038623
77 AL SMLT ROL DR	.00165281	.00123248	.00175616	.00244207	.00224627	.00142851	.00123318	.00089137
78 CAST,FRGINGS	.00015722	.00014893	.00010126	.00024010	.00020238	.00013633	.00010527	.00007449
79 FABRI STEEL	.00041607	.00032862	.00044645	.00061378	.00058135	.00035181	.00028017	.00019388
80 PLATE WORK	.00015940	.00015649	.00011897	.00024768	.00022797	.00014300	.00011308	.00008597
81 SH MET,ARCH	.00164922	.00156410	.00213942	.00209415	.00227447	.00149512	.00144060	.00100611
82 METAL DOORS	.00015368	.00013743	.00017367	.00015759	.00015285	.00014427	.00015933	.00009914
83 FAB MET PROD	.00334796	.00263745	.00329264	.00584739	.00328252	.00295992	.00315839	.00291963
84 PLUMBING	.00042913	.00031567	.00034826	.00036215	.00036530	.00031183	.00031368	.00024736
85 BOLTS,NUTS,SC	.00088904	.00076041	.00076105	.00106731	.00093041	.00069854	.00060359	.00041853
86 ELCTPLT,CT,EN	.00023357	.00017578	.00018921	.00033069	.00030521	.00021069	.00018434	.00013230
87 VALVE,PIPE FT	.00159797	.00110539	.00121140	.00175773	.00146486	.00121599	.00097327	.00071117
88 OTH FAB MET P	.00088744	.00078499	.00083232	.00090871	.00084103	.00088774	.00097530	.00061493
89 FM,CONS,IND M	.00154225	.00493674	.00049906	.00075675	.00081756	.00093098	.00034907	.00024711
90 MTL HDL MC,EQ	.00011203	.00008279	.00008598	.00014647	.00012871	.00048763	.00008005	.00005435
91 MIN MACH,EQU	.00061011	.00040681	.00037807	.00132939	.00069376	.00044719	.00038373	.00026462
92 ENGINES	.00038284	.00030785	.00014951	.00040949	.00045240	.00028504	.00028872	.00029431
93 METAL WK MACH	.00022968	.00019673	.00017710	.00029159	.00026920	.00018199	.00017067	.00011308
94 IND PROC MACH	.00072853	.00051134	.00078355	.00059660	.00111590	.00036339	.00041858	.00031468
95 GEN IND MACH	.00189416	.00222567	.00144719	.00220210	.00191731	.00190954	.00173755	.00106510
96 REFRIG MACH	.00025677	.00023475	.00027088	.00028239	.00028100	.00031748	.00078738	.00054523
97 COMPU,ACCT MACH	.00113181	.00095196	.00118666	.00167334	.00153355	.00101409	.00153380	.00123527
98 ELEC INST,AP	.00150491	.00173080	.00200245	.00169752	.00210516	.00127064	.00155487	.00121469
99 ELEC HSLD EQ	.00061191	.00044111	.00033315	.00032958	.00031017	.00031097	.00044720	.00032326
100 ELEC COMM EQ	.00120731	.00418565	.00103837	.00134741	.00116344	.00099840	.00096965	.00062410

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 129 *	SECTOR 130 *	SECTOR 131 *	SECTOR 132 *	SECTOR 133 *	SECTOR 134 *	SECTOR 135 *	SECTOR 136 *
101 OTH ELEC APP	.00064892	.00072631	.00050635	.00069857	.00061625	.00048147	.00058083	.00034706
102 AIRCRAFT	.00002535	.00001182	.00001303	.00004113	.00003396	.00001694	.00001413	.00001137
103 AIRCRAFT ENG	.00000110	.00000088	.00000331	.00000120	.00000108	.00000100	.00000140	.00000086
104 OTH AIRCRAFT	.00007885	.00005666	.00006431	.00010153	.00007144	.00006590	.00006734	.00005283
105 MOTOR VHCL,P	.01128013	.00600986	.00672140	.00634048	.00581698	.00615097	.00821531	.00503736
106 SHIP,BT BLDG	.00091370	.00287915	.00036163	.00044118	.00036533	.00036493	.00034867	.00021510
107 OTH TRANS EQ	.00161089	.00132715	.00171369	.00157068	.00143250	.00150417	.00167296	.00098355
108 SCIENTIF INS	.00010983	.00008369	.00008504	.00011434	.00009300	.00009440	.00009079	.00005816
109 MECH MSRG DV	.00012937	.00027048	.00009899	.00018021	.00016855	.00011231	.00007673	.00005272
110 MEDICAL INST	.00092653	.00073236	.00085659	.00089215	.00076474	.00084149	.00088300	.00053993
111 PHO, TM, OPT I	.00040964	.00036375	.00038607	.00043477	.00035292	.00046000	.00049327	.00031339
112 GAMES, TOYS	.00024774	.00013929	.00018302	.00016724	.00015147	.00016274	.00018649	.00010989
113 OTH HFG IND	.00201270	.00123681	.00138408	.00274206	.00144807	.00198369	.00290501	.00035721
114 RAIL TRANS	.00720828	.01905667	.00455509	.00716636	.00474367	.00538128	.00398363	.00362358
115 INTERCTY HGY	.00103110	.00089476	.00104553	.00098884	.00087807	.00109808	.00103234	.00060569
116 MOTOR FRI STR	.02600787	.06735872	.04691573	.02288273	.01640637	.02165736	.01864936	.01389759
117 WATER TRANS	.00503446	.09352481	.00272352	.00479621	.00305965	.00379750	.00207739	.00137558
118 AIR TRANS	.01007737	.00775554	.00887555	.01260247	.00834160	.00877207	.00921484	.00733914
119 PIPELINE TRN	.00466981	.00346200	.00233330	.00464070	.00606923	.00329757	.00173206	.00127862
120 LOC, SUB TRAN	.00090155	.00072305	.00097947	.00088340	.00079352	.00086195	.00095541	.00055795
121 OTH TRAN SER	.01170441	.00673034	.00168552	.00162323	.00094988	.00124903	.00079579	.00061021
122 TELEF, TELEGR	.02789789	.01893644	.01798038	.03013347	.02136315	.02339769	.02204117	.01569058
123 RADIO, TV	.00355176	.00223846	.00279073	.00273347	.00229565	.00254808	.00458229	.00565972
124 OTH COMMUNIC	.00062654	.00035817	.00041053	.00047523	.00038670	.00044958	.00041110	.00026752
125 GAS SERVICES	.04245315	.03830016	.03290625	.03904040	.02713867	.03557703	.02888664	.01855782
126 ELEC SERVICES	.04324056	.04048231	.03654901	.03596709	.03882693	.04113616	.03908296	.02693765
127 WATER, SANI SERV	.01215629	.00900664	.00887444	.01000904	.00749258	.01202980	.01065840	.00628647
128 WHL AUT PT,S	.01632846	.01681603	.01600557	.01516997	.01951474	.01412420	.02795167	.01049608
129 WHL GRO, RELP	1.01369987	.01090097	.01486879	.01313489	.01218030	.01342203	.01754086	.01976666
130 WHL FM PROD	.00318719	1.00979470	.00193607	.00298215	.00166704	.00230840	.00125843	.00078635
131 WHL LIVESTOC	.00024265	.00019253	1.00122956	.00024157	.00021257	.00022998	.00035026	.00021442
132 WHL MAC, EQ,S	.01134948	.01915442	.00729717	1.01137641	.00712948	.00911733	.00685291	.00438048
133 WHL PET, PETP	.01585123	.01441229	.01581927	.01483471	1.01459970	.01778670	.02503316	.04328020
134 GEN WHL	.04492847	.05522647	.04382003	.04436098	.03555880	1.04024679	.04228191	.02528560
135 LUMBER YARDS	.00287325	.00247415	.00307056	.00275408	.00322908	.00363006	1.00352510	.02695001
136 FARM EQ DEAL	.00186937	.00153633	.00203965	.00181171	.00172836	.00186958	.00201813	1.00360517
137 HDW, HT, E, P, W	.00076605	.00074292	.00080038	.00074723	.00068371	.00075340	.00407194	.00060540
138 DEPT, VAR STO	.01590529	.01294462	.01750360	.01543939	.01405612	.01517900	.01712057	.01054091
139 FOOD STORES	.01945389	.01560836	.02132277	.01877670	.01714024	.01850521	.02117559	.01295439
140 AUTO DEAL, RP	.02055508	.01526870	.01842568	.01842112	.05986960	.01846144	.03160166	.01551389
141 GAS SER STAT	.00435165	.00350375	.00432218	.00478096	.00347261	.00532263	.00516043	.00715956
142 APPRL ACC ST	.00890678	.00713001	.00975374	.00854318	.00781251	.00842350	.00943342	.00550362
143 FURN, HM F, EQ	.00573513	.00460262	.00623261	.00551258	.00504268	.00541025	.00606202	.00354437
144 EAT, DRINK PL	.02353718	.01860241	.02716313	.02812258	.02058173	.02380012	.02909268	.01465212
145 OTHER RETAIL	.01519092	.01205074	.01636920	.01461608	.01339762	.01456305	.01735154	.00966810
146 BANK, CRD AGE	.10390964	.13329998	.08652473	.10467705	.06640363	.09725096	.13517402	.08233997
147 INSURANCE CA	.03963084	.03592225	.04903950	.03062479	.03073074	.03939394	.04773058	.03092861
148 F.I.R.E. NEC	.07614459	.07416680	.08258187	.08081788	.06577253	.07328787	.08673066	.06420748
149 LEGAL SERVIC	.01098677	.01393291	.00928341	.01168313	.00986586	.01232700	.01137225	.00685928
150 LODGING SERV	.00767971	.00649642	.00780203	.01357517	.00740603	.00913163	.00836561	.00491839

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 129	* SECTOR 130	* SECTOR 131	* SECTOR 132	* SECTOR 133	* SECTOR 134	* SECTOR 135	* SECTOR 136
151 PERSONAL SER	.00920768	.00723540	.00961617	.00883483	.00803474	.00860804	.00974312	.00570363
152 ADVERTISING	.00348236	.00154217	.00222339	.00201799	.00212776	.00219065	.00218814	.00155963
153 DUPL, ADDRESS	.00074084	.00061026	.00067357	.00069167	.00061333	.00067897	.00124386	.00075848
154 PRI EMPL AGE	.00082324	.00070797	.00068967	.00079866	.00061668	.00076293	.00075861	.00046794
155 PHOTO SERVIC	.00312209	.00258381	.00288569	.00295477	.00246213	.00291756	.00384880	.00219162
156 RESRCH, DEVEL	.00092242	.00035874	.00023080	.00047673	.00024614	.00034577	.00011739	.00007831
157 OTHER BUS SE	.01098611	.01152248	.00976837	.01150401	.00909475	.01073837	.01011949	.00888638
158 MTN PCT, AM, R	.00668221	.00535697	.00727912	.00659052	.00588910	.00636431	.01050216	.00577133
159 AUTO RENT SE	.00552410	.00443027	.00237751	.01120032	.00379104	.00522579	.00220731	.00159673
160 AUTO PARKING	.00049652	.00041210	.00053669	.00048230	.00044075	.00047422	.00055724	.00035060
161 ELEC REP SHP	.00306622	.00309939	.00180119	.00197994	.00203538	.00202870	.00438118	.00210548
162 MISC REP SER	.00836630	.00649870	.00594160	.00656716	.01168001	.00639677	.00561161	.00625509
163 PHYS, DENT SE	.01208188	.00969596	.01316543	.01158561	.01059190	.01144399	.01287613	.00752273
164 HOSP, LAB SER	.02798656	.02247854	.03056090	.02688610	.02460407	.02651190	.02989045	.01745702
165 OTH MED SERV	.01238472	.00993479	.01352958	.01190162	.01089304	.01172164	.01315880	.00767623
166 ED (PUB, PRI)	.02910998	.02661309	.02448567	.02763290	.02232778	.02684957	.02764233	.01649168
167 COLL, UNIV	.01594919	.01223717	.01261044	.01446256	.01134690	.01314177	.01328624	.00854791
168 OTH ED SERV	.00221041	.00194143	.00239386	.00212903	.00193582	.00208731	.00233175	.00136212
169 ENG, ARCH SER	.00440345	.00339130	.00290495	.00401698	.00277384	.00340472	.00269453	.00176197
170 COMPU, ACCT SERV	.01173078	.01258294	.01223610	.01529768	.01070892	.01978045	.01825595	.01211617
171 OTH PROF SER	.00014292	.00012515	.00011270	.00013320	.00011372	.00012041	.00013228	.00008304
172 OTHER SERVIC	.01754370	.01587287	.01765141	.01616329	.01528070	.01709187	.01767866	.01108577
173 ORD, ORD ACCS	.00000824	.00000705	.00000876	.00000871	.00000783	.00000767	.00000820	.00000492
174 OUTDOOR REC	.00149191	.00128666	.00140832	.00143350	.00115838	.00152607	.00143971	.00083544
175 SCRAP	.00085510	.00057366	.00035857	.00081407	.00041471	.00055980	.00017025	.00011150
176 HOUSEHOLDS	.80015873	.64203133	.87447488	.76898207	.70396615	.75742918	.85025460	.49593498
TOTAL DIR/IND/IND REQ	2.99245879	2.89495697	3.04082578	2.97038229	2.77152476	2.84594874	3.09915252	2.36079526

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 137	* SECTOR 138	* SECTOR 139	* SECTOR 140	* SECTOR 141	* SECTOR 142	* SECTOR 143	* SECTOR 144 *
1 IRR COTTON	.00021834	.00023657	.00023805	.00016313	.00013060	.00022973	.00022242	.00036097
2 IRR FOOD GRAIN	.00033433	.00032981	.00036214	.00024376	.00019554	.00032415	.00033187	.00137229
3 IRR FEED GRAIN	.00073905	.00069175	.00073812	.00054413	.00041255	.00072448	.00069920	.00642815
4 OTHER IRR CROP	.00266630	.00246579	.00268009	.00192292	.00144778	.00253167	.00252517	.03222693
5 DRYLAND COTTON	.00013690	.00014047	.00014532	.00010164	.00008074	.00013877	.00013537	.00022913
6 DRY FOOD GRAIN	.00017985	.00017472	.00018974	.00013251	.00010423	.00017545	.00017749	.00078656
7 DRY FEED GRAIN	.00056550	.00053895	.00057540	.00041456	.00032219	.00055165	.00054008	.00277852
8 OTHER DRY CROP	.00162557	.00150610	.00153897	.00121041	.00090458	.00160135	.00146599	.00393400
9 RANGE LIVESTOCK	.00492315	.00456581	.00484784	.00362002	.00271475	.00480227	.00457779	.03346199
10 FEEDLOT LVSTK	.00530068	.00495080	.00529728	.00390706	.00294974	.00520403	.00502467	.05311456
11 DAIRY	.00248049	.00229059	.00234849	.00182138	.00138695	.00242385	.00226261	.00623330
12 POULTRY,EGGS	.00183217	.00169741	.00172455	.00136142	.00102343	.00180229	.00164131	.00284624
13 AG SUP EX FMC	.00091347	.00085075	.00089051	.00067256	.00050888	.00089407	.00084591	.00489760
14 COTTON GINNING	.00004500	.00004729	.00004826	.00003350	.00002664	.00004648	.00004512	.00010223
15 AGRY SERVICES	.00089827	.00083865	.00087979	.00065991	.00050558	.00087778	.00083634	.00489749
16 PRIM FORESTRY	.00074231	.00072391	.00082327	.00045971	.00048118	.00078776	.00079005	.00078960
17 FISHERIES	.00044181	.00040858	.00044399	.00031568	.00024353	.00041902	.00041286	.00286369
18 CRUDE PETRO	.02754218	.02343809	.02628338	.01705295	.05096011	.02262379	.02438195	.02737427
19 NATRL GAS LQDS.	.00188649	.00165518	.00179264	.00129542	.00387653	.00162353	.00170587	.00177963
20 OIL,GAS FLDSV	.00595762	.00500533	.00558488	.00369624	.01201745	.00485463	.00525835	.00581046
21 LIGNITE,OTH MINE	.00170963	.00165115	.00189096	.00100213	.00130384	.00160051	.00167104	.00203346
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00000577	.00000577	.00000608	.00000411	.00000529	.00000640	.00000672	.00000667
24 INDUS CONS	.00000004	.00000004	.00000004	.00000003	.00000004	.00000004	.00000004	.00000004
25 FACILITY CONS	.00002309	.00002308	.00002429	.00001647	.00002108	.00002558	.00002682	.00002668
26 MAINTEN,REPR	.01524229	.01524790	.01605589	.01086272	.01398350	.01690902	.01775101	.01761371
27 MEAT PRODUCTS	.02246476	.02061224	.02170327	.01645513	.01222623	.02169781	.02039379	.013071731
28 POULTRY PROD	.00185369	.00169432	.00170455	.00136976	.00102710	.00181606	.00164121	.00258561
29 DAIRIES	.00564527	.00514757	.00519758	.00414489	.00312920	.00551193	.00505486	.01242555
30 OTH GRAIN MIL	.00080493	.00076178	.00081106	.00059026	.00045453	.00078200	.00075964	.000337588
31 ANIMAL FEEDS	.00165688	.00153620	.00157764	.00123002	.00092351	.00163028	.00150334	.00499827
32 BAKERY PROD	.00375091	.00343322	.00352254	.00275987	.00206252	.00365221	.00337346	.01295049
33 CNND,PSVP,PCK	.00320722	.00286864	.00317612	.00223384	.00171718	.00297407	.00296674	.02820712
34 OTH FOOD PROD	.01029859	.00953449	.00960446	.00769649	.00573106	.01018519	.00923197	.01796998
35 BEVERAGES	.01136550	.01051709	.01056724	.00856009	.00642523	.01132345	.01042382	.01289864
36 TEXTILE MILL	.00042127	.00057028	.00047683	.00033070	.00025915	.00054104	.00046823	.00062330
37 MBWMC FURN	.00392461	.00627904	.00371217	.00295376	.00220925	.00794453	.00359327	.00388425
38 RELATED APPRL	.00066058	.00061808	.00061770	.00053390	.00037271	.00067907	.00060357	.00073911
39 LOGGING	.00047227	.00047524	.00057381	.00031859	.00030549	.00052713	.00052568	.00054788
40 LUMBER MILLS	.00033972	.00030241	.00033109	.00022228	.00021542	.00033522	.00035166	.00033534
41 MILLWORK,WOOD	.00308444	.00284870	.00294011	.00183467	.00200856	.00284334	.00302327	.00303221
42 WOOD FURN,FIX	.00090720	.00082292	.00083507	.00065751	.00052353	.00088231	.000526100	.00086372
43 MET FURN,FIXT	.00037496	.00034855	.00034667	.00026248	.00023205	.00036803	.00035383	.00037266
44 PAPER,PAP MIL	.00199318	.00227496	.00035174	.00135767	.00116890	.00389564	.00280407	.00279277
45 PAP CX BOX,CT	.00137753	.00127168	.00133282	.00090440	.00077892	.00213409	.00137676	.00469059
46 BOXES,PAP CNT	.00240340	.00353911	.00241447	.00158419	.00175239	.00211906	.00248221	.00622070
47 NEWSPAPERS	.01342592	.02533802	.04341015	.01174261	.00630357	.02451439	.03811467	.01363727
48 PUBLISHING	.00062223	.00050355	.00063710	.00064743	.00063967	.00067767	.00070481	.00076418
49 PRINTING	.00496492	.00344645	.01085665	.00287277	.00233087	.00437070	.00611378	.00406931
50 MANFLG BUS FM	.00077926	.00062763	.00074687	.00053897	.00082046	.00154869	.00077632	.00071216

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 137 *	* SECTOR 138 *	* SECTOR 139 *	* SECTOR 140 *	* SECTOR 141 *	* SECTOR 142 *	* SECTOR 143 *	* SECTOR 144 *
51 OTH PRNT,PUBS	.00177221	.00081026	.00159259	.00076306	.00063195	.00100484	.00110135	.00086528
52 CHLOR,ALKALIE	.00073179	.00068947	.00075365	.00051189	.00053887	.00068585	.00072885	.00091595
53 CYCCRD INT,IG	.00079161	.00073360	.00084278	.00064842	.00062011	.00065227	.00074358	.00083905
54 ORG CHEM	.00667758	.00564527	.00630911	.00453332	.01499192	.00542179	.00584610	.00620230
55 INORG CHEM	.00134503	.00130143	.00134542	.00096566	.00138585	.00129485	.00128238	.00234157
56 FIBERS,PLASTI	.00109024	.00104840	.00116535	.00098764	.00068112	.00105798	.00117212	.00137848
57 SYN RUBBER	.00040191	.00033686	.00035876	.00028087	.00016277	.00021106	.00023504	.00020518
58 DRUGS	.00041976	.00038793	.00047132	.00031294	.00024273	.00041528	.00038868	.00043991
59 AGRICHEMICAL	.00184171	.00185722	.00182574	.00134583	.00105287	.00181256	.00171545	.00668298
60 SPS,CLNS,TOIL	.00112555	.00101636	.00105190	.00082116	.00143095	.00110813	.00105058	.00132105
61 PAINT+VARNISH	.00109011	.00104427	.00105201	.00105270	.00070126	.00105515	.00104809	.00106936
62 OTH CHEMICALS	.00117135	.00102994	.00120761	.00078892	.00178711	.00109537	.00117941	.00127288
63 PETRO REFINING	.05954333	.04279725	.04457989	.03623964	.21832820	.04436700	.04687664	.04817519
64 OTH PETRO PRD	.00026657	.00025192	.00027940	.00016855	.00022588	.00025637	.00026801	.00029440
65 TIRES	.00242685	.00196718	.00207127	.00166762	.00092226	.00118144	.00129351	.00108198
66 FAB RUBBER PR	.00023136	.00025002	.00024275	.00019326	.00015441	.00022426	.00023459	.00027777
67 PLASTIC PRODS	.00296672	.00278242	.00285127	.00230950	.00172269	.00298803	.00294991	.00377009
68 LEATHER,L PRD	.00033076	.00031525	.00034638	.00026374	.00023112	.00035522	.00035123	.00041787
69 GLASS	.00109109	.00101533	.00106699	.00084751	.00063231	.00107541	.00103580	.00265442
70 CLAY	.00033959	.00032752	.00034034	.00024924	.00023811	.00035154	.00034055	.00035169
71 CUT ST,CL,SH	.00092746	.00083515	.00090698	.00070033	.00072341	.00088782	.00096375	.00107462
72 CEMENT,CONCRT	.00077785	.00075346	.00078919	.00053602	.00065522	.00082262	.00087382	.00083865
73 BLAST FURNACE	.00059765	.00059622	.00062371	.00048385	.00043480	.00057820	.00061683	.00075649
74 PRI STEEL,IRO	.00022366	.00021235	.00024169	.00019745	.00016960	.00021134	.00022659	.00042225
75 FOUNDRIES	.00043514	.00040417	.00045404	.00032267	.00032520	.00041092	.00042703	.00065752
76 NONFER SMELTG	.00050003	.00048778	.00055449	.00046018	.00044302	.00045389	.00051698	.00071904
77 AL SMLT ROL DR	.00109757	.00107459	.00114853	.00085632	.00119935	.00103767	.00115877	.00158251
78 CAST,FORGINGS	.00009559	.00009377	.00010207	.00007090	.00006519	.00009055	.00009660	.00013993
79 FABRI STEEL	.00024997	.00025144	.00027348	.00021903	.00017598	.00024585	.00027961	.00029369
80 PLATE WORK	.00010022	.00009496	.00011310	.00008265	.00007265	.00009760	.00012960	.00014223
81 SH MET,ARCH	.00130848	.00124115	.00132288	.00096759	.00094456	.00133483	.00138853	.00161899
82 METAL DOORS	.00014938	.00013638	.00013738	.00010550	.00009653	.00014830	.00014523	.00015623
83 FAB MET PROD	.00271479	.00247272	.00257120	.00219750	.00214494	.00260547	.00252555	.00464978
84 PLUMBING	.00025662	.00024183	.00030396	.00018803	.00018404	.00026499	.00026468	.00061062
85 BOLTS,NUTS,SC	.00051962	.00051900	.00056681	.00048738	.00033220	.00049725	.00052111	.00064805
86 ELCTPLT,CT,EN	.00016031	.00015098	.00016555	.00012746	.00012015	.00015834	.00017330	.00027879
87 VALVE,PIPE FT	.00093172	.00082316	.00095634	.00073024	.00105120	.00079655	.00085469	.00136216
88 OTH FAB MET P	.00076707	.00067895	.00071914	.00063554	.00058317	.00079225	.00077049	.00182791
89 FM,CONS,IND M	.00032754	.00032748	.00034033	.00022691	.00024032	.00030925	.00032625	.00057396
90 MTL HDL MC,EQ	.00007501	.00007071	.00007389	.00004907	.00012306	.00006796	.00007578	.00008593
91 MIN MACH,EQU	.00037471	.00033532	.00038280	.00023711	.00054299	.00032138	.00035644	.00042556
92 ENGINES	.00014921	.00015597	.00017888	.00008451	.00027051	.00012573	.00015277	.00020062
93 METAL WK MACH	.00015548	.00014520	.00015832	.00015188	.00010311	.00015034	.00021232	.00019702
94 IND PROC MACH	.00034507	.00034264	.00042276	.00022896	.00036054	.00030509	.00032964	.00103209
95 GEN IND MACH	.00168289	.00129999	.00142538	.00108950	.00093540	.00172627	.00181578	.00228165
96 REFRIG MACH	.00024270	.00255153	.00029200	.00017367	.00015332	.00023202	.00029061	.00039293
97 COMPU,ACCT MACH	.00124814	.00080568	.00156437	.00068566	.00069697	.00099293	.00094400	.00756666
98 ELEC INST,AP	.00132358	.00242248	.00148299	.00088624	.00109999	.00127515	.00124724	.00163516
99 ELEC HSLD EQ	.00038852	.00029349	.00039984	.00024413	.00021616	.00032895	.00233984	.00128335
100 ELEC COMM EQ	.00096341	.00086124	.00095607	.00064587	.00071379	.00088338	.00152022	.00087353

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 137	* SECTOR 138	* SECTOR 139	* SECTOR 140	* SECTOR 141	* SECTOR 142	* SECTOR 143	* SECTOR 144 *
101 OTH ELEC APP	.00045288	.00035473	.00047183	.00082387	.00027652	.00037404	.00048717	.00042000
102 AIRCRAFT	.00001576	.00001327	.00001366	.00001086	.00000896	.00001688	.00001519	.00001398
103 AIRCRAFT ENG	.00000098	.00000092	.00000096	.00000072	.00000056	.00000096	.00000091	.00000084
104 OTH AIRCRAFT	.00007495	.00005702	.00005494	.00005210	.00004158	.00008336	.00006919	.00006325
105 MOTOR VHCL,P	.00652276	.00521918	.00592634	.01316574	.00328725	.00548648	.00576865	.00604482
106 SHIP,BT BLDG	.00030949	.00028606	.00029165	.00022536	.00025070	.00029130	.00027127	.00040715
107 OTH TRANS EQ	.00147902	.00136497	.00137025	.00111675	.00082686	.00146907	.00132405	.00138183
108 SCIENTIF INS	.00009101	.00007503	.00007755	.00005986	.00006119	.00008204	.00008959	.00008276
109 MECH MSRG DV	.00007910	.00006668	.00007157	.00005159	.00006470	.00007326	.00007749	.00008664
110 MEDICAL INST	.00083762	.00072519	.00073272	.00058120	.00053554	.00079401	.00081489	.00077949
111 PHO,TM,OPT I	.00049734	.00041049	.00041949	.00035020	.00030178	.00066084	.00073477	.00044048
112 GAMES,TOYS	.00016891	.00015119	.00015093	.00012188	.00009421	.00016143	.00015352	.00020744
113 OTH MFG IND	.00191039	.00141488	.00248649	.00348776	.00113659	.00160591	.00186395	.00457352
114 RAIL TRANS	.00341734	.00294372	.00319830	.00238423	.00252423	.00316867	.00315537	.00387432
115 INTERCTY HGW	.00090742	.00083819	.00083996	.00074874	.00050975	.00090388	.00082354	.00087888
116 MOTOR FRT STR	.02749448	.01678335	.01533885	.01473347	.01064414	.02129258	.01858460	.01915064
117 WATER TRANS	.00189517	.00165542	.00174345	.00130097	.00365402	.00161683	.00165949	.00215877
118 AIR TRANS	.01038773	.00772079	.00728629	.00725538	.00560893	.01178363	.00947641	.00858832
119 PIPELINE TRN	.00172474	.00152600	.00162484	.00111829	.00424248	.00129554	.00141761	.00144860
120 LOC,SUB TRAN	.00084579	.00078444	.00078478	.00076656	.00047442	.00084844	.00076596	.00078667
121 OTH TRAN SER	.00083712	.00081843	.00086065	.00059078	.00059737	.00070050	.00073349	.00119308
122 TELEP,TELEGR	.03488972	.01808172	.01738826	.01402719	.01187252	.01887020	.02530604	.01564061
123 RADIO, TV	.01309077	.00552839	.00969704	.00260800	.00315822	.00935518	.02274513	.00568807
124 OTH COMMUNIC	.00042624	.00035209	.00038146	.00028604	.00023522	.00039962	.00047164	.00036716
125 GAS SERVICES	.02904283	.02565722	.02934878	.01784501	.02209296	.02507172	.02622572	.03178685
126 ELEC SERVICES	.04349266	.04740952	.04740952	.03234446	.03255450	.03956962	.04010031	.04494061
127 WATER,SANI SERV	.00998980	.00844587	.00971371	.00652923	.00863502	.00873758	.01058948	.01363222
128 WHL AUT PT,S	.01589721	.01400494	.01396730	.01761863	.01718577	.01391430	.01373891	.01276568
129 WHL GRO,REL P	.02871935	.03170504	.03366563	.01679664	.02296893	.01725776	.02019453	.04499006
130 WHL FM PROD	.00094638	.00091967	.00097103	.00071510	.00083065	.00088589	.00088290	.00392872
131 WHL LIVESTOC	.00023079	.00021405	.00022486	.00017071	.00012854	.00022612	.00021294	.00140510
132 WHL MAC,EG,S	.00631534	.00581832	.00572383	.00443298	.00748507	.00601223	.00707964	.00815483
133 WHL PET,PETP	.05966334	.07502137	.08050325	.03189302	.02785876	.02589250	.03365741	.01491279
134 GEN WHL	.03699015	.03782690	.03650691	.02729111	.02858720	.04081586	.04502011	.04224516
135 LUMBER YARDS	.03664297	.05010841	.05430205	.01859372	.00804486	.01268745	.01815858	.00441626
136 FARM EQ DEAL	.00505397	.00622994	.00664459	.00292014	.00180782	.00271949	.00309594	.00199459
137 HDW,HT,E,P,W	1.00084327	.00080336	.00082502	.00058103	.00041745	.00071605	.00078232	.00072067
138 DEPT,VAR STO	.01577548	1.01555135	.01574458	.01168092	.00868476	.01555389	.01595091	.01418228
139 FOOD STORES	.01951864	.01859177	1.01872728	.01430419	.01043389	.01864129	.01713755	.02057927
140 AUTO DEAL,RP	.02320713	.01873951	.01903631	1.03685405	.01205745	.01682187	.02007451	.01503159
141 GAS SER STAT	.01025997	.01132487	.01214341	.00556708	1.01173792	.00498944	.00638712	.00362366
142 APPRL ACC ST	.00834045	.00772165	.00772815	.00627745	.00463906	1.00849454	.00740040	.00775550
143 FURN,HM F,EQ	.00535647	.00497897	.00498203	.00436650	.00298484	.00536256	1.00776679	.00500000
144 EAT,DRINK PL	.02106685	.01949739	.01937402	.01583464	.01188575	.02123871	.01934350	1.02063828
145 OTHER RETAIL	.01476320	.01368319	.01376754	.01083857	.00826896	.01420826	.01443674	.01617677
146 BANK,CRD AGE	.10655971	.07300096	.07849631	.07141959	.08378466	.04941439	.11086755	.08536861
147 INSURANCE CA	.04524732	.02483332	.02714730	.02030026	.01848021	.02592346	.03470736	.02922868
148 F.I.R.E. NEC	.11062877	.10633076	.09909677	.06508179	.06515368	.12405369	.13060914	.09027803
149 LEGAL SERVIC	.01124866	.00819949	.00891747	.00719598	.00540010	.01169592	.01218866	.00919915
150 LODGING SERV	.00687293	.00619531	.00565978	.00476129	.00416819	.00723689	.00639362	.00590476

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 137	* SECTOR 138	* SECTOR 139	* SECTOR 140	* SECTOR 141	* SECTOR 142	* SECTOR 143	* SECTOR 144
151 PERSONAL SER	.00869627	.00787215	.00836685	.00654946	.00730753	.008666515	.00826679	.01001639
152 ADVERTISING	.00286849	.00243335	.00292707	.00223822	.00140385	.00324983	.00489043	.00215901
153 DUPL, ADDRESS	.00128879	.00089238	.00128093	.00133150	.00092228	.00120244	.00376267	.00107553
154 PRI EMPL AGE	.00069057	.00059959	.00060394	.00050167	.00041674	.00067038	.00074263	.00064357
155 PHOTO SERVIC	.00339772	.00302961	.00301385	.00249448	.00191266	.00801739	.00638433	.00281501
156 RESRCH,DEVEL	.00010569	.00010922	.00011715	.00007814	.00011031	.00009284	.00010063	.00013478
157 OTHER BUS SE	.0100477	.00952808	.01377801	.00646746	.00703223	.01021102	.01104771	.01005235
158 MTN PCT,AM,R	.00965037	.00721447	.00692985	.00573775	.00436060	.00718621	.00885797	.03669925
159 AUTO RENT SE	.01339463	.00188839	.00190137	.00152301	.00155131	.00220767	.00822524	.00205198
160 AUTO PARKING	.00047291	.00051148	.00043616	.00036348	.00028726	.00054764	.00044479	.00043572
161 ELEC REP SHP	.00377190	.00420413	.00636312	.00210459	.00411781	.00363739	.02813998	.00286579
162 MISC REP SER	.00568485	.00556885	.00550523	.00414488	.00518086	.00517704	.00892616	.00839318
163 PHYS,DENT SE	.01141043	.01069925	.01045194	.00851261	.00632016	.01122556	.01011063	.01050922
164 HOSP,LAB SER	.02647970	.02490415	.02432121	.01981629	.01468783	.02615422	.02354436	.02439032
165 OTH MED SERV	.01163324	.01074225	.01074624	.00875643	.00646841	.01155842	.01029829	.01079573
166 ED(PUB,PRI)	.03125313	.02297867	.02298106	.01621217	.01652099	.02394847	.02693092	.02191374
167 COLL,UNIV	.01347329	.01075111	.01105540	.00873269	.00930915	.01181841	.01239080	.01199699
168 OTH ED SERV	.00206891	.00190435	.00190690	.00155209	.00114821	.00205040	.00183553	.00191054
169 ENG,ARCH SER	.00265419	.00232978	.00250693	.00171360	.00259115	.00241312	.00259805	.00262378
170 COMPU,ACCT SER	.01947414	.01602674	.01343680	.01476624	.01289458	.02067557	.03293110	.01908648
171 OTH PROF SER	.00011513	.00009739	.00010383	.00008053	.00006440	.00010749	.00011879	.00013514
172 OTHER SERVIC	.01593515	.01402215	.01414984	.01171269	.00883145	.01744159	.01648669	.01414742
173 ORD,ORD ACCS	.00000728	.00000673	.00000685	.00000547	.00000424	.00000718	.00000654	.00000734
174 OUTDOOR REC	.00130403	.00107336	.00105770	.00086171	.00090303	.00118221	.00124939	.00120141
175 SCRAP	.00014830	.00026361	.00017076	.00012096	.00012428	.00013494	.00015011	.00018010
176 HOUSEHOLDS	.751177026	.69420754	.69443639	.56589591	.41796001	.74693130	.66552497	.69602164
TOTAL DIR/IND/IND REQ	3.00677857	2.80835714	2.87580082	2.39632875	2.38582999	2.83217775	2.92117757	3.11152171

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 145	* SECTOR 146	* SECTOR 147	* SECTOR 148	* SECTOR 149	* SECTOR 150	* SECTOR 151	* SECTOR 152 *
1 IRR COTTON	.00020816	.00023024	.00021669	.00017184	.00023312	.00040386	.00035128	.00025253
2 IRR FOOD GRAIN	.00031724	.00034674	.00033154	.00025666	.00035150	.00036513	.00035206	.00038106
3 IRR FEED GRAIN	.00073591	.00080940	.00079748	.00059256	.00078964	.00075100	.00075988	.00088821
4 OTHER IRR CROP	.03434104	.00280096	.00281822	.00205683	.00277197	.00249757	.00271246	.00331622
5 DRYLAND COTTON	.00012979	.00014607	.00013785	.00010757	.00014577	.00022938	.00017392	.00015774
6 DRY FOOD GRAIN	.00017799	.00019170	.00018503	.00014407	.00019385	.00018453	.00020218	.00021638
7 DRY FEED GRAIN	.00056954	.00061134	.00059027	.00044997	.00060127	.00055529	.00059991	.00066431
8 OTHER DRY CROP	.00157900	.00184801	.00176681	.00132470	.00177384	.00153825	.00162280	.00193426
9 RANGE LIVESTOCK	.00488952	.00542192	.00530033	.00393836	.00525019	.00510864	.00500455	.00585996
10 FEEDLOT LVSTK	.00530706	.00580795	.00575881	.00424988	.00567217	.00545444	.00540511	.00640858
11 DAIRY	.00241468	.00279225	.00268439	.00205622	.00266336	.00235875	.00281413	.00297840
12 POULTRY,EGGS	.00184651	.00208724	.00198951	.00150663	.00199904	.00167011	.00177591	.00216516
13 AG SUP EX FMC	.00196652	.00101239	.00098331	.00074023	.00103412	.00089905	.00095146	.00109495
14 COTTON GINNING	.00004314	.00004780	.00004521	.00003554	.00004800	.00007750	.00006491	.00005228
15 AGRY SERVICES	.00289387	.00099401	.00096013	.00076733	.00095844	.00090124	.00093297	.00107593
16 PRIM FORESTRY	.00066166	.00063141	.00065666	.00171841	.00065322	.00098352	.00091407	.00087855
17 FISHERIES	.00043450	.00046968	.00046161	.00035209	.00045357	.00046142	.00052149	.00052227
18 CRUDE PETRO	.02325651	.02163892	.02189975	.02269228	.02279306	.03000520	.02845508	.03048180
19 NATRL GAS LQDS.	.00219897	.00167967	.00161269	.00127422	.00179892	.00139133	.00186023	.00198444
20 OIL,GAS FLOSV	.00502134	.00540878	.00474146	.00484723	.00494292	.00616851	.00602604	.00650413
21 LIGNITE,OTH MINE	.00152995	.00130418	.00139083	.00229959	.00153770	.00265159	.00203716	.00208856
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00000525	.00000772	.00000546	.00002072	.00000523	.00001283	.00000738	.00000669
24 INDUS CONS	.00000004	.00000005	.00000004	.00000014	.00000003	.00000009	.00000005	.00000004
25 FACILITY CONS	.00002102	.00003085	.00002188	.00008215	.00002100	.00005106	.00002946	.00002679
26 MAINTEN,REPR	.01385966	.02039000	.01441237	.05475132	.01382206	.03389533	.01950553	.01767705
27 MEAT PRODUCTS	.02225246	.02480661	.02418791	.01792450	.02384406	.02357998	.02264660	.02660174
28 POULTRY PROD	.00180156	.00212501	.00203234	.00154564	.00201314	.00177905	.00178451	.00219473
29 DAIRIES	.00551653	.00643928	.00619899	.00474439	.00608257	.00538673	.00655643	.00684526
30 OTH GRAIN MIL	.00078454	.00087731	.00084634	.00064447	.00086430	.00089872	.00089943	.00095130
31 ANIMAL FEEDS	.00163983	.00187474	.00179918	.00135363	.00180064	.00154633	.00165452	.00197004
32 BAKERY PROD	.00367535	.00422701	.00408037	.00306383	.00403490	.00359153	.00429420	.00452474
33 CNND,PSVP,PCK	.00323383	.00337425	.00339229	.00260170	.00319840	.00370002	.00432390	.00386735
34 OTH FOOD PROD	.01003256	.01186152	.01133401	.00849762	.01132927	.01762174	.01015184	.01233970
35 BEVERAGES	.01112431	.01341545	.01256211	.00947058	.01270153	.01392218	.01111003	.01356496
36 TEXTILE MILL	.00042908	.00045200	.00042404	.00035470	.00045839	.00132632	.00149616	.00052271
37 MBWMC FURN	.00412221	.00466991	.00427200	.00322659	.00431880	.00388396	.01559176	.00475805
38 RELATED APPRL	.00063526	.00075855	.00071952	.00054132	.00072823	.00059090	.00071334	.00079196
39 LOGGING	.00043036	.00039265	.00040854	.00092303	.00041816	.00057939	.00085542	.00056151
40 LUMBER MILLS	.00033312	.00034835	.00034233	.00054559	.00032037	.00041617	.00043018	.00038943
41 MILLWORK,WOOD	.00254427	.00264793	.00273478	.00878213	.00268944	.00456745	.00362263	.00353506
42 WOOD FURN,FIX	.00093552	.00236809	.00134559	.00122735	.00095544	.00158345	.00136969	.00123939
43 MET FURN,FIXT	.00040585	.00047472	.00049675	.00035565	.00039320	.00049974	.00074314	.00058523
44 PAPER,PAP MIL	.00256878	.00162598	.00196269	.00151253	.00171866	.00179239	.00304693	.00314957
45 PAP EX BOX,CT	.00121887	.00123245	.00125222	.00102264	.00131965	.00228323	.01176687	.00256120
46 BOXES,PAP CNT	.00237179	.00217715	.00209316	.00168673	.00355292	.00228872	.00268790	.00245921
47 NEWSPAPERS	.01454294	.00823489	.00558601	.00709581	.00562389	.00636466	.01077830	.01180861
48 PUBLISHING	.00068699	.00072477	.00086618	.00051707	.00107510	.00127026	.00140426	.00113748
49 PRINTING	.00470693	.00416284	.00932958	.00360694	.00351700	.00493098	.00679110	.01475544
50 MANFLD BUS FM	.00077503	.00165357	.00143172	.00087018	.00065749	.00072176	.00110877	.00107082

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 145 *	* SECTOR 146 *	* SECTOR 147 *	* SECTOR 148 *	* SECTOR 149 *	* SECTOR 150 *	* SECTOR 151 *	* SECTOR 152 *
51 OTH PRNT,PUBS	.00119672	.00041511	.00046889	.00037207	.00038712	.00062816	.00065984	.00233798
52 CHLOR,ALKALIE	.00073340	.00072045	.00069087	.00070581	.00075822	.00108076	.00175861	.00109494
53 CYCCRD INT,IG	.00064334	.00062594	.00058851	.00069319	.00075640	.00069167	.00093462	.00080457
54 ORG CHEM	.00588814	.00535416	.00523722	.00454552	.00774378	.00506308	.01248092	.00688093
55 INORG CHEM	.00178695	.00137479	.00132274	.00111909	.00144807	.00193829	.00274920	.00170638
56 FIBERS,PLASTI	.00109555	.00115784	.00110464	.00099016	.00126145	.00114662	.00236507	.00150972
57 SYN RUBBER	.00019617	.00017308	.00016302	.00013751	.00019042	.00015811	.00020367	.00021502
58 DRUGS	.00040350	.00048096	.00049031	.00034661	.00046324	.00043047	.00121396	.00062557
59 AGRIC CHEMICAL	.00462860	.00214068	.00201190	.00179468	.00195245	.00191536	.00287331	.00227766
60 SPS,CLNS,TOIL	.00108543	.00126765	.00116992	.00092144	.00125547	.00122467	.01058575	.00139597
61 PAINT+VARNISH	.00102189	.00118317	.00111964	.00193353	.00162172	.00117834	.00119705	.00125508
62 OTH CHEMICALS	.00102358	.00112137	.00117607	.00117733	.00115293	.00117601	.00174488	.00179133
63 PETRO REFINING	.04769149	.04605512	.04608243	.03573604	.04909377	.03923745	.05256147	.05959533
64 OTH PETRO PRD	.00022870	.00025051	.00022799	.00048404	.00021968	.00044940	.00031255	.00032607
65 TIRES	.00110458	.00095556	.00090846	.00072813	.00103406	.00083245	.00104015	.00119335
66 FAB RUBBER PR	.00022190	.00024017	.00022770	.00026909	.00028280	.00027765	.00076915	.00028119
67 PLASTIC PRODS	.00345677	.00353483	.00347755	.00287707	.00371064	.00334530	.00464786	.00450303
68 LEATHER,L PRD	.00034307	.00042801	.00041368	.00030446	.00039514	.00033607	.00072724	.00047601
69 GLASS	.00107980	.00123187	.00115793	.00098007	.00125579	.00129277	.00145772	.00135742
70 CLAY	.00032129	.00041360	.00035111	.00064601	.00035277	.00049180	.00039326	.00040224
71 CUT ST,CL,SH	.00082852	.00094096	.00104090	.00203408	.00391768	.00140945	.00436173	.00128699
72 CEMENT,CONCRT	.00069354	.00089874	.00100574	.00311834	.00072465	.00140564	.00119837	.00093102
73 BLAST FURNACE	.00059562	.00062645	.00057942	.00088996	.00455967	.00078708	.00088957	.00076310
74 PRI STEEL,IRO	.00022590	.00022709	.00022786	.00035751	.00052391	.00033997	.00055455	.00037349
75 FOUNDRIES	.00041578	.00043770	.00042096	.00046657	.00299866	.00047147	.00060448	.00055119
76 NONFER SMELTG	.00054061	.00045195	.00042373	.00040307	.00073083	.00045706	.00067084	.00055076
77 AL SMLT ROL DR	.00102502	.00113264	.00100962	.00147830	.00131943	.00136258	.00158945	.00126980
78 CAST,FORGINGS	.00008857	.00010471	.00009803	.00011924	.00057559	.00011446	.00019271	.00011523
79 FABRI STEEL	.00028879	.00026779	.00024152	.00040862	.00066009	.00033123	.00048106	.00029779
80 PLATE WORK	.00009693	.00010250	.00009530	.00015555	.00138319	.00014230	.00034639	.00013025
81 SH MET,ARCH	.00130833	.00154492	.00146435	.00316545	.00467834	.00210933	.00391171	.00175731
82 METAL DOORS	.00014318	.00016492	.00019661	.00032791	.00015203	.00018014	.00018515	.00018011
83 FAB MET PROD	.00258050	.00303042	.00285589	.00237634	.00340821	.00327382	.00464040	.00344852
84 PLUMBING	.00029593	.00028108	.00027053	.00042918	.00029771	.00043152	.00037168	.00033726
85 BOLTS,NUTS,SC	.00050768	.00052597	.00050455	.00052362	.00137924	.00053786	.00105312	.00060710
86 ELCTPLT,CT,EN	.00015088	.00017406	.00016767	.00020062	.00034403	.00022264	.00029148	.00025538
87 VALVE,PIPE FT	.00080896	.00081906	.00079063	.00098786	.00162473	.00132659	.00124804	.00148590
88 OTH FAB MET P	.00074284	.00098108	.00101267	.00086863	.00107422	.00094083	.00098810	.00141382
89 FM,CONS,IND M	.00038447	.00034201	.00029993	.00052181	.00065845	.00042105	.00037424	.00037030
90 MTL HOL MC,EQ	.00006746	.00006704	.00006777	.00006773	.00025580	.00007403	.00009585	.00008979
91 MIN MACH,EQUP	.00032624	.00031815	.00031464	.00033062	.00037626	.00043020	.00166604	.00043151
92 ENGINES	.00012923	.00011404	.00010697	.00012096	.00014272	.00013672	.00017349	.00015443
93 METAL WK MACH	.00015803	.00016217	.00015710	.00018297	.00126062	.00020113	.00020112	.00019578
94 IND PROC MACH	.00030461	.00027780	.00031767	.00024789	.00042298	.00029491	.00069473	.00043609
95 GEN IND MACH	.00154510	.00206771	.00227353	.00394540	.13049187	.00189214	.00263438	.00287457
96 REFRIG MACH	.00027102	.00023683	.00024534	.00036974	.00022932	.00057708	.00067291	.00030691
97 COMP,ACCT MACH	.00084067	.00079908	.00075240	.00102342	.00351132	.00112476	.00255776	.00125983
98 ELEC INST,AP	.00109274	.00132673	.00102496	.00274212	.00127946	.00201019	.00178397	.00143078
99 ELEC HSLD EQ	.00032259	.00059778	.00042170	.00040255	.00036032	.00034277	.00046783	.00042248
100 ELEC COMM EQ	.00092465	.00091364	.00086337	.00076329	.00097285	.00189011	.00203236	.00152337

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 145	* SECTOR 146	* SECTOR 147	* SECTOR 148	* SECTOR 149	* SECTOR 150	* SECTOR 151	* SECTOR 152 *
101 OTH ELEC APP	.00037202	.00034310	.00035210	.00029224	.00119667	.00043649	.00062080	.00050431
102 AIRCRAFT	.00001359	.00001308	.00001356	.00000938	.00001681	.00001485	.00001578	.00002499
103 AIRCRAFT ENG	.00000286	.00000109	.00000105	.00000084	.00000115	.00000097	.00000102	.00000118
104 OTH AIRCRAFT	.00006921	.00006619	.00007313	.00004765	.00008301	.00007645	.00008570	.00013009
105 MOTOR VHCL,P	.00564359	.00605971	.00573478	.00444847	.00590328	.00485228	.00632668	.00667134
106 SHIP,BT BLDG	.00028830	.00032918	.00031547	.00024074	.00032724	.00026258	.00029496	.00035382
107 OTH TRANS EQ	.00391875	.00171192	.00162705	.00122249	.00164653	.00129733	.00163426	.00181118
108 SCIENTIF INS	.00010467	.00008976	.00012600	.00008112	.00009496	.00014406	.00025360	.00017011
109 MECH MSRG DV	.00006549	.00007727	.00007741	.00012351	.00222992	.00008100	.00010376	.00009923
110 MEDICAL INST	.00086335	.00091462	.00103251	.00075242	.00095957	.00144817	.00262327	.00168986
111 PHO, TM, OPT I	.00046660	.00064091	.00049531	.00044002	.00054879	.00090165	.00136451	.00224155
112 GAMES, TOYS	.00016001	.00019170	.00018248	.00013837	.00018170	.00017851	.00025491	.00031738
113 OTH MFG IND	.00148916	.00145488	.00160180	.00165810	.00175599	.00269626	.03401073	.00231059
114 RAIL TRANS	.00291919	.00317192	.00299900	.00274233	.00424231	.00364933	.00394626	.00464264
115 INTERCTY HGY	.00087115	.00103576	.00098168	.00073755	.00101862	.00083391	.00091050	.00215480
116 MOTOR FRT STR	.01521037	.01620669	.01517520	.01292370	.01841461	.01569004	.02003406	.02344029
117 WATER TRANS	.00166790	.00168449	.00162449	.00137955	.00195314	.00155493	.00193886	.00206137
118 AIR TRANS	.00939859	.00918751	.00984820	.00644363	.01171742	.01075415	.01091827	.01867347
119 PIPELINE TRN	.00131766	.00125943	.00122664	.00099517	.00151602	.00113359	.00157782	.00163382
120 LOC, SUB TRAN	.00081958	.00098068	.00092986	.00069491	.00095674	.00083727	.00226089	.00124358
121 OTH TRAN SER	.00076949	.00131950	.00073758	.00063462	.00086167	.00077488	.00078808	.00098618
122 TELEP, TELEGR	.01977434	.02658327	.01856971	.02433653	.02721214	.04987191	.02657752	.02830190
123 RADIO, TV	.00563328	.00474480	.00258946	.00267693	.00267773	.00396438	.00519368	.01435220
124 OTH COMMUNIC	.00036356	.00042258	.00039618	.00033395	.00052306	.00407960	.00122086	.00115148
125 GAS SERVICES	.02555531	.02345283	.02438871	.02984585	.02344515	.04274765	.03315769	.03532996
126 ELEC SERVICES	.03443395	.02862238	.03278041	.05072558	.02924642	.07173745	.04672370	.05395275
127 WATER, SANI SERV	.00855090	.00846246	.00827885	.01236070	.00827065	.01712883	.01461629	.01512657
128 WHL ALT PT, S	.01413529	.01576861	.01464977	.01104520	.01525582	.01173908	.01323183	.01665583
129 WHL GRO, RELP	.01946996	.01444405	.01393325	.01041865	.01462761	.01823578	.01415046	.01904289
130 WHL FM PROD	.00096555	.00092232	.00092205	.00071706	.00104970	.00089093	.00110336	.00109751
131 WHL LIVESTOC	.00022871	.00025643	.00024973	.00018610	.00025034	.00023284	.00037204	.00027737
132 WHL MAC, EO, S	.00564125	.01105015	.00750102	.00653494	.03682349	.01091830	.01907380	.02036172
133 WHL PET, PETP	.02358453	.01339782	.01332044	.01008260	.01403406	.01206808	.01586563	.01820927
134 GEN WHL	.03523697	.04316853	.04002793	.03214623	.05178855	.04153054	.05123567	.05999920
135 LUMBER YARDS	.00971241	.00296139	.00282678	.00225845	.00328683	.00243160	.00417265	.00324530
136 FARM EQ DEAL	.00244844	.00202699	.00194360	.00157232	.00856299	.00154153	.00191778	.00215024
137 HDW, HT, E, P, W	.00069093	.00078414	.00074572	.00065722	.00153629	.00065534	.00075709	.00082402
138 DEPT, VAR STO	.01460637	.01727200	.01639634	.01238298	.02032142	.01299896	.01562128	.01787680
139 FOOD STORES	.02161109	.02116069	.02009287	.01499814	.02058143	.01726631	.01807896	.02289317
140 AUTO DEAL, RP	.01761728	.01636480	.01535787	.01205774	.01675334	.01354117	.01615624	.01950408
141 GAS SER STAT	.00469097	.00334509	.00338470	.00253225	.00375262	.00291930	.00356061	.00512119
142 APPRL ACC ST	.00805725	.00967766	.00917493	.00684250	.00926631	.00723027	.00842319	.00994864
143 FURN, HM F, EQ	.00517240	.00620025	.00588149	.00446068	.00611646	.00463392	.00521972	.00642012
144 EAT, DRINK PL	.02248839	.02336714	.02736449	.01772826	.02425042	.01960923	.02134382	.03121106
145 OTHER RETAIL	1.01409075	.01587232	.01507183	.01139172	.01600281	.01356070	.01587107	.02195445
146 BANK, CRD AGE	.09333635	1.12219484	.12027816	.22092260	.08444588	.13732974	.07611847	.11735673
147 INSURANCE CA	.03338195	.03717483	1.12207926	.02765065	.03868036	.02474384	.04158628	.03975334
148 F.I.R.E. NEC	.09775939	.09231010	.13223362	1.08996856	.09946513	.13231340	.10030619	.14632908
149 LEGAL SERVIC	.01010313	.01446343	.01604357	.02871702	1.00885518	.01292982	.01784781	.02016084
150 LOGGING SERV	.00657638	.00648695	.01008582	.00567491	.00771438	1.00720300	.00723271	.01162440

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 145	* SECTOR 146	* SECTOR 147	* SECTOR 148	* SECTOR 149	* SECTOR 150	* SECTOR 151	* SECTOR 152
151 PERSONAL SER	.00857505	.00964656	.00921304	.00688005	.00965935	.02220852	1.01259502	.01391418
152 ADVERTISING	.00262299	.00169347	.00181187	.00157265	.00141706	.00210329	.00267664	1.00416134
153 DUPL, ADDRESS	.00088552	.00133581	.00128922	.00182145	.00086435	.00118735	.00104992	.02285970
154 PRI ENPL AGE	.00062697	.00157657	.00126408	.00073197	.00087468	.00107945	.00095928	.00186801
155 PHOTO SERVIC	.00432216	.00469884	.00302895	.00242668	.00335851	.00425254	.00407528	.03477981
156 RESRCH, DEVEL	.00008883	.00008911	.00008306	.00008023	.00025587	.00009114	.00013422	.00015899
157 OTHER BUS SE	.01210634	.01972301	.01323764	.01805812	.00837175	.01078202	.0113502	.01764199
158 MTN PCT, AM, R	.00717956	.00727569	.00699580	.00514364	.00711450	.00606074	.00646020	.00947174
159 AUTO RENT SE	.00302482	.00194010	.00193743	.00145128	.00313013	.00213510	.00303880	.00373806
160 AUTO PARKING	.00047929	.00078106	.00077558	.00043085	.00055699	.00045851	.00045407	.00059405
161 ELEC REP SHP	.00677676	.00172890	.00164148	.00127083	.00177715	.00275999	.00850453	.00315176
162 MISC REP SER	.00598538	.00385330	.00366476	.00366101	.00441844	.00686534	.00727013	.00858118
163 PHYS, DENT SE	.01094706	.01311064	.01589027	.00930737	.01265754	.01000979	.01106132	.01432543
164 HOSP, LAB SER	.02545989	.03052835	.03236460	.02166635	.02974169	.02433291	.02655598	.03581816
165 OTH MED SERV	.01123805	.01350014	.01279917	.00954548	.01293378	.01000817	.01109875	.01401982
166 ED(PUB, PRI)	.03153145	.03067832	.03291982	.03449893	.02253515	.02988072	.02405791	.03186520
167 COLL, UNIV	.01683593	.01236559	.02055596	.01158154	.01172603	.01230008	.01414574	.01598344
168 OTH ED SERP	.00199215	.00239418	.00226807	.00170159	.00266789	.00180762	.00199207	.00255536
169 ENG, ARCH SER	.00252600	.00318792	.00280111	.00262187	.00327883	.00554254	.00489146	.00978552
170 COMPU, ACCT SERV	.01386300	.03171265	.01898526	.01985490	.02198877	.02766377	.01465868	.02252905
171 OTH PROF SER	.00010542	.00044039	.00016198	.00016187	.00012475	.00017552	.00015163	.00244429
172 OTHER SERVIC	.01545590	.02259914	.02377260	.02008410	.02136292	.02088562	.02027871	.03504079
173 ORD, ORD ACCS	.0000702	.00000829	.00000787	.00000623	.00001402	.00000646	.00000736	.00000875
174 OUTDOOR REC	.00126393	.00132629	.00222734	.00146377	.00122559	.00148760	.00151679	.00179846
175 SCRAP	.00013175	.00013002	.00012041	.00011175	.00021387	.00013012	.00019449	.00016515
176 HOUSEHOLDS	.72625095	.87242468	.82705720	.61676369	.83430037	.64243347	.71365582	.89599780
TOTAL DIR/IND/IND REQ	2.80566288	2.98518145	3.03570731	2.75447365	3.07638236	2.88219533	2.93583866	3.35973430

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 153	* SECTOR 154	* SECTOR 155	* SECTOR 156	* SECTOR 157	* SECTOR 158	* SECTOR 159	* SECTOR 160 *
1 IRR COTTON	.00025416	.00030389	.00021491	.00026892	.00027307	.00025256	.00015954	.00020768
2 IRR FOOD GRAIN	.00030074	.00046256	.00030379	.00040769	.00040339	.00038028	.00023840	.00031802
3 IRR FEED GRAIN	.00069202	.00106354	.00069171	.00090597	.00093663	.00086816	.00051029	.00074739
4 OTHER IRR CROP	.00249868	.00368801	.00248189	.00320038	.00330101	.00307983	.00178521	.00261836
5 DRYLAND COTTON	.00014060	.00019237	.00012602	.00016042	.00016973	.00015691	.00009742	.00013195
6 DRY FOOD GRAIN	.00016579	.00025295	.00016842	.00022843	.00022316	.00021089	.00012966	.00017524
7 DRY FEED GRAIN	.00052436	.00080321	.00052950	.00071008	.00070600	.00065943	.00039911	.00057148
8 OTHER DRY CROP	.00154001	.00238597	.00146819	.00190797	.00209589	.00189894	.00108295	.00167205
9 RANGE LIVESTOCK	.00460383	.00706929	.00454647	.00595469	.00623684	.00573153	.00331891	.00497855
10 FEEDLOT LVSTK	.00496873	.00764540	.00495834	.00644766	.00673289	.00623772	.00346694	.00533769
11 DAIRY	.00237497	.00359762	.00247747	.00344209	.00320502	.00298569	.00177844	.00271751
12 POULTRY,EGGS	.00173063	.00268065	.00160722	.00202336	.00234962	.00212434	.00121273	.00192687
13 AG SUP EX FMC	.00086360	.00131639	.00085179	.00112061	.00116255	.00107141	.00062579	.00094298
14 COTTON GINNING	.00004990	.00006304	.00004555	.00005454	.00005617	.00005196	.00003244	.00004325
15 AGRY SERVICES	.00084859	.00128409	.00083246	.00109070	.00113486	.00106131	.00061907	.00093139
16 PRIM FORESTRY	.00067304	.00083555	.00061127	.00082777	.00072979	.00080264	.00054408	.00096475
17 FISHERIES	.00040981	.00061001	.00045641	.00065244	.00055066	.00052460	.00032207	.00047005
18 CRUDE PETRO	.02377140	.02746797	.02123142	.03024604	.02907523	.02757972	.05653045	.02430922
19 NATRL GAS LQDS.	.00170954	.00230362	.00152503	.00244311	.00221366	.00184377	.00449790	.00154623
20 OIL,GAS FLDSV	.00514860	.00600709	.00458831	.00678328	.00634731	.00585594	.00346540	.00518253
21 LIGNITE,OTH MINE	.00192421	.00154540	.00132044	.00146056	.00212359	.00200257	.00118617	.00180185
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00000582	.00000690	.00000595	.00000858	.00000605	.00001129	.00000660	.00000976
24 INDUS CONS	.00000004	.00000005	.00000004	.00000006	.00000004	.00000008	.00000004	.00000007
25 FACILITY CONS	.00002328	.00002769	.00002379	.00003425	.00002429	.00004498	.00002627	.00003888
26 MAINTEN,REPR	.01538019	.01822334	.01572886	.02267403	.01598706	.02982955	.01743307	.02578758
27 MEAT PRODUCTS	.02094616	.03204748	.02065997	.02717398	.02843655	.02598254	.01489753	.02284127
28 POULTRY PROD	.00175870	.00270622	.00162264	.00206498	.00237882	.00215030	.00123223	.00203114
29 DAIRIES	.00546472	.00823607	.00577380	.00811086	.00738344	.00687589	.00406717	.00635247
30 OTH GRAIN MIL	.00074902	.00114435	.00078534	.00107993	.00101752	.00095062	.00056503	.00081625
31 ANIMAL FEEDS	.00156636	.00242181	.00149390	.00192650	.00212701	.00193402	.00111013	.00172009
32 BAKERY PROD	.00358569	.00545425	.00380676	.00532550	.00488371	.00452336	.00262280	.00395863
33 CNND,PSVP,PCK	.00301048	.00433393	.00374323	.00567049	.00403251	.00395275	.00247291	.00367222
34 OTH FOOD PROD	.00978372	.01517522	.00925805	.01191825	.01338760	.01210329	.00686558	.01078098
35 BEVERAGES	.01079265	.01678310	.01009773	.01293616	.01476148	.01383986	.00752831	.01187184
36 TEXTILE MILL	.00084062	.00058322	.00058440	.00068122	.00058854	.00053215	.00033979	.00040638
37 MBWMC FURN	.00375779	.00576890	.00377571	.00509146	.00517257	.00526790	.00263956	.00397564
38 RELATED APPRL	.00063486	.00097176	.00061214	.00107330	.00101096	.00079956	.00044125	.00066936
39 LOGGING	.00045298	.00054735	.00039503	.00053610	.00046712	.00051263	.00035780	.00055009
40 LUMBER MILLS	.00032829	.00039419	.00029190	.00035052	.00035642	.00041222	.00032964	.00055602
41 MILL,ORK,WOOD	.00242469	.00327257	.00244730	.00339951	.00303012	.00333281	.00215740	.00449387
42 WOOD FURN,FIX	.00105912	.00146292	.00105300	.00145782	.00129783	.00115881	.00073935	.00107641
43 MET FURN,FIXT	.00045870	.00071765	.00056077	.00078212	.00053066	.00052180	.00035882	.00039726
44 PAPER,PAP MIL	.00318049	.00292091	.00207959	.00262763	.00201343	.00220041	.00145782	.00140610
45 PAP EX BOX,CT	.01375704	.00215798	.00194418	.00236474	.00191126	.00238060	.00106540	.00121991
46 BOXES,PAP CNT	.00220267	.00280248	.00236783	.00290988	.00259713	.00239383	.00214843	.00202858
47 NEWSPAPERS	.00639411	.02946821	.00947368	.00643003	.00935645	.01826609	.00427504	.00585634
48 PUBLISHING	.00282146	.00100290	.00143908	.00122984	.00082019	.00097058	.00052777	.00056377
49 PRINTING	.00633368	.00722611	.00538519	.00755262	.00528750	.00468697	.00274820	.00318424
50 MANFLD BUS FM	.00075276	.00096344	.00086066	.00105774	.00140436	.00084702	.00128975	.00069716

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 153	* SECTOR 154	* SECTOR 155	* SECTOR 156	* SECTOR 157	* SECTOR 158	* SECTOR 159	* SECTOR 160 *
51 OTH PRNT,PUBS	.01170733	.00229661	.00121533	.00067233	.00084874	.00049296	.00078601	.00124030
52 CHLOR,ALKALIE	.00081228	.00125196	.00103203	.00218553	.00240453	.00097070	.00075366	.00075079
53 CYCCRO INT,IG	.00084326	.00081746	.00062863	.00103796	.00091210	.00079104	.00091463	.00065051
54 ORG CHEM	.00670945	.00755159	.00557854	.01022421	.00813837	.00635800	.01804708	.00516680
55 INORG CHEM	.00136652	.00200879	.00143983	.00212141	.00388402	.00206633	.00177373	.00129784
56 FIBERS,PLASTI	.00393943	.00151721	.00128540	.00177034	.00150586	.00178665	.00158187	.00105383
57 SYN RUBBER	.00027957	.00022203	.00024598	.00021682	.00024202	.00019468	.00034923	.00016370
58 DRUGS	.00047326	.00066395	.00094440	.00173137	.00067605	.00072477	.00044799	.00043042
59 AGRI CHEMICAL	.00175959	.00258638	.00174411	.00227303	.01370131	.00218674	.00128114	.00195691
60 SPS,CLNS,TOIL	.00140639	.00156265	.00114252	.00176007	.00375678	.00142362	.00133260	.00110441
61 PAINT+VARNISH	.00099668	.00140964	.00097520	.00190110	.00126145	.00132364	.00094313	.00147069
62 OTH CHEMICALS	.00742084	.00139482	.00119943	.00194537	.00147087	.00135003	.00216337	.00109074
63 PETRO REFING	.05424652	.06381670	.04666008	.08988195	.06895361	.05099648	.25189133	.04480088
64 OTH PETRO PRD	.00024697	.00026766	.00022640	.00027269	.00027212	.00036610	.00022547	.00032051
65 TIRES	.00164507	.00120315	.00142943	.00105259	.00134183	.00104447	.00197384	.00090651
66 FAB RUBBER PR	.00022160	.00030562	.00031082	.00139141	.00030410	.00032814	.00022228	.00023799
67 PLASTIC PRODS	.00303856	.00445445	.00323137	.00470846	.00414455	.00402491	.00237233	.00317125
68 LEATHER,L PRD	.00206066	.00051792	.00068188	.00048156	.00043955	.00044599	.00027876	.00034121
69 GLASS	.00134633	.00156931	.00241523	.00143996	.00139960	.00134347	.00087358	.00114603
70 CLAY	.00033137	.00046151	.00033216	.00042353	.00041431	.00049962	.00029016	.00043598
71 CUT ST,CL,SH	.00088888	.00112280	.00088445	.00129417	.00112945	.00130658	.00116915	.00124974
72 CEMENT,CONCRT	.00072615	.00089435	.00072252	.00095769	.00080261	.00123394	.00082113	.00142459
73 BLAST FURNACE	.00058716	.00079079	.00067561	.00090222	.00077345	.00077343	.00090466	.00066322
74 PRI STEEL,IRO	.00028578	.00028383	.00059347	.00037528	.00034939	.00029478	.00034418	.00026865
75 FOUNDRIES	.00041036	.00056225	.00050028	.00056996	.00054750	.00049859	.00044877	.00043946
76 NONFER SMELTG	.00047476	.00062871	.00046246	.00069631	.00103272	.00056127	.00063260	.00042455
77 AL SHLT ROL DR	.00107836	.00141764	.00134593	.00179846	.00135255	.00141859	.00164301	.00114704
78 CAST,FORGINGS	.00008904	.00011908	.00011739	.00024560	.00011673	.00010590	.00010063	.00009814
79 FABRI STEEL	.00023704	.00033252	.00025777	.00040372	.00031732	.00042148	.00041925	.00028420
80 PLATE WORK	.00009854	.00012693	.00012591	.00018697	.00026171	.00013486	.00010460	.00011176
81 SH MET,ARCH	.00135046	.00195216	.00163833	.00261855	.00165499	.00341116	.00133503	.00184884
82 METAL DOORS	.00013439	.00019652	.00014928	.00015655	.00018181	.00077600	.00011616	.00020870
83 FAB MET PROD	.00275491	.00416923	.00320794	.00403480	.00369557	.00332046	.00356407	.00277023
84 PLUMBING	.00032430	.00037760	.00030398	.00039784	.00031568	.00036040	.00022901	.00031255
85 BOLTS,NUTS,SC	.00048841	.00068293	.00052022	.00074746	.00074357	.00061862	.00091820	.00050874
86 ELCTPLT,CT,EN	.00016411	.00024645	.00022022	.00036027	.00022102	.00023219	.00018981	.00017725
87 VALVE,PIPE FT	.00078682	.00100303	.00097468	.00118160	.00121714	.00108561	.00125861	.00097750
88 OTH FAB MET P	.00079571	.00103740	.00081299	.00167727	.00108398	.00104890	.00082279	.00089516
89 FM,CONS,IND M	.00032029	.00038334	.00031128	.00042030	.00036277	.00043936	.00026572	.00036273
90 MTL HDL MC,EQ	.00009250	.00008642	.00007004	.00137216	.00009068	.00008175	.00014092	.00006732
91 MIN MACH,EQUIP	.00033546	.00038883	.00038972	.00507848	.00042011	.00041956	.00062423	.00033068
92 ENGINES	.00012573	.00014837	.00012115	.00018884	.00015123	.00014221	.00019284	.00012477
93 METAL WK MACH	.00014371	.00020123	.00016666	.00018699	.00018937	.00019251	.00013551	.00016583
94 IND PROC MACH	.00034985	.00039079	.00032076	.00039793	.00035837	.00032634	.00042613	.00026233
95 GEN IND MACH	.00158940	.00248226	.00151709	.00155754	.00211862	.00167329	.00128013	.00245591
96 REFRIG MACH	.00021144	.00027657	.00042982	.00085492	.00035811	.00036577	.00025525	.00029061
97 COMPU,ACCT MACH	.00175765	.00117326	.000561452	.00194395	.00139610	.00101971	.00078053	.00081325
98 ELEC INST,AP	.00147342	.00139230	.00242293	.00177258	.00127421	.00180301	.00153216	.00149804
99 ELEC HSLD EQ	.00029585	.00046931	.00034837	.00054553	.00039384	.00037446	.00024123	.00035624
100 ELEC COMM EQ	.00112979	.00171290	.00142338	.04809617	.00306116	.00118701	.00094458	.00089088

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 153 *	* SECTOR 154 *	* SECTOR 155 *	* SECTOR 156 *	* SECTOR 157 *	* SECTOR 158 *	* SECTOR 159 *	* SECTOR 160 *
101 OTH ELEC APP	.00033702	.00056401	.00049884	.00098919	.00066576	.00053539	.00039171	.00033410
102 AIRCRAFT	.00001273	.00002038	.00002076	.00003559	.00002030	.00002224	.00001928	.00001271
103 AIRCRAFT ENG	.00000093	.00000141	.00000091	.00000120	.00000125	.00000116	.00000069	.00000102
104 OTH AIRCRAFT	.00006379	.00010191	.00010701	.00018798	.00010383	.00011493	.00009821	.00006551
105 MOTOR VHCL,P	.00557041	.00770325	.00601875	.00744917	.01288609	.00646537	.05445219	.00548262
106 SHIP,BT BLDG	.00028641	.00042475	.00026447	.00034354	.00038160	.00034383	.00028295	.00029622
107 OTH TRANS EQ	.00141554	.00219009	.00144852	.00198857	.00196689	.00178899	.00106377	.00150799
108 SCIENTIF INS	.00008821	.00020795	.00018152	.00031038	.00014854	.00014222	.00011042	.00009568
109 MECH MSR6 DV	.00007357	.00009224	.00007872	.00036428	.00008860	.00008131	.00008540	.00008544
110 MEDICAL INST	.00114236	.00223457	.00197321	.00311849	.00145870	.00137697	.00094557	.00094033
111 PHO,IM,OPT I	.00809849	.00113027	.03453258	.00201009	.00084664	.00069223	.00046591	.00052238
112 GAMES,TOYS	.00015349	.00029011	.00021823	.00027706	.00023085	.00204498	.00012356	.00017296
113 OTH MFG IND	.00266727	.00235864	.00190574	.00329799	.00259494	.00287615	.00214143	.00149124
114 RAIL TRANS	.00294619	.00388015	.00310604	.00358209	.00427712	.00354047	.00597375	.00293297
115 INTERCTY HGY	.00092947	.00132783	.00084141	.00098793	.00120747	.00230291	.00062617	.00091403
116 MOTOR FRT STR	.02647545	.02011658	.04297786	.01821205	.02275938	.01761811	.01389253	.01522622
117 WATER TRANS	.00183794	.00222365	.00161405	.00239716	.00221831	.00190534	.00416293	.00159557
118 AIR TRANS	.00877858	.01437422	.01553739	.02772473	.01479059	.01636320	.01402838	.00911213
119 PIPELINE TRN	.00152204	.00171590	.00130275	.00213631	.00180138	.00144278	.00487497	.00120169
120 LOC,SUB TRAN	.00080554	.00125689	.00080320	.00096526	.00116230	.00103073	.00057635	.00086398
121 OTH TRAN SER	.00117310	.00085166	.00065891	.00082851	.00101879	.00114097	.00060653	.00066518
122 TELEP,TELEGR	.01886269	.04703692	.02611046	.02023798	.03233441	.01894642	.01402256	.01988070
123 RADIO , TV	.00186310	.00329854	.00303782	.00231950	.00436886	.00624901	.00213584	.00236578
124 OTH COMMUNIC	.00034420	.00086616	.00071020	.00053430	.00109616	.00062129	.00038271	.00043751
125 GAS SERVICES	.02361241	.02700311	.02241799	.02416307	.02931523	.03252507	.02086803	.02969190
126 ELEC SERVICES	.03195160	.03333279	.03073616	.03032427	.03889320	.04808380	.02405082	.04403920
127 WATER,SANI SERV	.01049865	.00947337	.00871541	.00857564	.01129633	.01333299	.00668406	.01069454
128 WHL AUT PT,S	.01287228	.01960240	.01199856	.01680585	.01753806	.01559197	.01746254	.01390799
129 WHL GRO,RELP	.01229968	.01895851	.01234256	.01485169	.01762470	.02316059	.00908381	.01368644
130 WHL FM PROD	.00093889	.00124708	.00086471	.00114454	.00114490	.00105869	.00071195	.00088158
131 WHL LIVESTOC	.00021776	.00033392	.00021161	.00027519	.00029512	.00027097	.00015600	.00023385
132 WHL HAC,EQ,S	.01163261	.00823738	.00980723	.00941717	.01030236	.01177560	.00832438	.00761039
133 WHL PET,PETP	.01353556	.01730687	.01314480	.01658573	.02178490	.01531466	.03622570	.01451085
134 GEN WHL	.09000915	.05217388	.05313015	.05350776	.05608721	.04962226	.03132111	.03707261
135 LUMBER YARDS	.00263900	.00385650	.00233301	.00309878	.00415381	.00313704	.00214085	.00293249
136 FARM EQ DEAL	.00167981	.00260502	.00153420	.00192462	.00234921	.00202903	.00119040	.00184556
137 HDW,HT,E,P,W	.00066206	.00098703	.00062252	.00086560	.00089846	.00083242	.00050183	.00077057
138 DEPT,VAR STO	.01431760	.02283106	.01329689	.01950204	.01946675	.01738136	.00977259	.01524746
139 FOOD STORES	.01746217	.02758140	.01627859	.02028119	.02409385	.02152191	.01198071	.01877366
140 AUTO DEAL,RP	.01514249	.02281564	.01335205	.01612169	.02096262	.01689161	.03288973	.02996828
141 GAS SER STAT	.00387983	.00478276	.00298700	.00418793	.00452042	.00364483	.00662157	.00327449
142 APPRL ACC ST	.00796251	.01244733	.00736432	.00913929	.01091797	.00979967	.00538812	.00851355
143 FURN,HH F,EQ	.00511622	.00797820	.00468583	.01042105	.00698716	.00624530	.00351376	.00547796
144 EAT,DRINK PL	.02138711	.03175930	.02255456	.02629409	.02899680	.02777011	.01633672	.02162201
145 OTHER RETAIL	.01604154	.02137596	.01353771	.01623935	.01906319	.01768707	.00945144	.01437748
146 BANK,CRD AGE	.06929197	.09402491	.06661446	.08025003	.09831948	.09359123	.07905468	.13583724
147 INSURANCE CA	.02758106	.03148531	.02638937	.02665655	.03626228	.03532576	.03115231	.03729831
148 F.I.R.E. NEC	.08027192	.10695094	.06606723	.06254979	.08677496	.10169737	.08627524	.39861729
149 LEGAL SERVIC	.01058451	.01709195	.01007905	.00858841	.01320741	.01104965	.00770665	.01743843
150 LODGING SERV	.00662757	.00937575	.01121902	.01315468	.01223755	.00820368	.00810724	.00657804

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS (TEXAS, 1979)

	* SECTOR 153	* SECTOR 154	* SECTOR 155	* SECTOR 156	* SECTOR 157	* SECTOR 158	* SECTOR 159	* SECTOR 160
151 PERSONAL SER	.00806775	.0129801	.00872586	.00986796	.01354934	.01280586	.00598466	.00894084
152 ADVERTISING	.00123054	.00230161	.00159049	.00143326	.00235962	.00267351	.00111239	.00142127
153 DUPL-ADDRESS	1.00237147	.00089031	.00088268	.00227123	.00150302	.00097610	.00063776	.00130393
154 PRI ENPL AGE	.00215571	1.00165568	.00085807	.00106976	.00328622	.00093426	.00059610	.00093994
155 PHOTO SERVIC	.00271459	.00380388	1.02543133	.02178741	.00786106	.00391296	.00255883	.00375221
156 RESRCH,DEVEL	.00010604	.00011726	.00009359	1.00012211	.00011732	.00010893	.00012124	.00008298
157 OTHER BUS SE	.01169461	.00946146	.01047478	.00984118	1.00108406	.01298151	.00877539	.01370287
158 MTN PCT,AM,R	.00596426	.00931773	.01399172	.00734142	.00854514	1.01748932	.00433146	.00654153
159 AUTO RENT SE	.00313073	.00259732	.00239395	.00242785	.00277724	.00255817	1.00378560	.00175285
160 AUTO PARKING	.00043794	.00091354	.00041411	.00050169	.00062648	.00055124	.00032640	1.00048962
161 ELEC REP SHP	.00160355	.00217230	.00203419	.00301321	.00446107	.00202592	.00140787	.00162358
162 MISC REP SER	.00884788	.00497774	.00710211	.00444424	.00540661	.00636038	.00367251	.00399979
163 PHYS,IENT SE	.01076337	.01698840	.01009704	.01250667	.01497036	.01449910	.00744969	.01166094
164 HOSP,LAB SER	.02516172	.04013172	.02428389	.02959947	.03563185	.03147429	.01757108	.02739843
165 OTH MED SERV	.01109470	.01736339	.01015590	.01274307	.01521361	.01355809	.00753452	.01187704
166 ED(PUB,PRI)	.02789466	.03030681	.02064934	.02185669	.02844107	.03146249	.03018942	.07655584
167 COLL,UNIV	.01345357	.01489853	.01047733	.01226041	.01412299	.01609988	.01324220	.01245521
168 OTH ED SERV	.00196596	.00308110	.00182070	.00225654	.00271102	.00241317	.00134333	.00210644
169 ENG,ARCH SER	.00261607	.00317192	.00491148	.00383915	.00521259	.00425623	.00364633	.00407269
170 COMPU,ACCT SER	.01181985	.01788900	.01303921	.01107343	.01384901	.01570517	.00974101	.01586609
171 OTH PROF SER	.00009878	.00013261	.00021586	.00011230	.00022061	.00014740	.00009734	.00012645
172 OTHER SERVIC	.01734186	.02205373	.01701934	.03053929	.02377984	.02368235	.01370770	.01968834
173 ORD,ORD ACCS	.00006693	.00001066	.00000661	.00000819	.00000944	.00000845	.00000510	.00000742
174 OUTDOOR REC	.00121329	.00149965	.00126879	.00120805	.00160026	.00155705	.00182283	.00124475
175 SCRAP	.00016324	.00017407	.00014050	.00017475	.00018684	.00015905	.00016078	.00011920
176 HOUSEHOLDS	.71700162	1.12227055	.65306712	.82337893	.98006115	.87420068	.48553949	.76752586
TOTAL DIR/IND/IND REQ	2.77651441	3.41989426	2.68405546	3.03622023	3.24185172	3.08400141	2.69602676	3.21607365

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 161 *	* SECTOR 162 *	* SECTOR 163 *	* SECTOR 164 *	* SECTOR 165 *	* SECTOR 166 *	* SECTOR 167 *	* SECTOR 168 *
1 IRR COTTON	.00024442	.00028498	.00029871	.00033449	.00023268	.00039712	.00029604	.00028593
2 IRR FOOD GRAIN	.00033829	.00039010	.00044174	.00042842	.00036665	.00069723	.00038999	.00040900
3 IRR FEED GRAIN	.00077475	.00090812	.00103493	.00092347	.00077246	.00163002	.00088569	.00095756
4 OTHER IRR CROP	.00310700	.00320096	.00363256	.00333366	.00277988	.00575524	.00304056	.00335372
5 DRYLAND COTTON	.00014509	.00016845	.00018633	.00018668	.00014361	.00025964	.00017406	.00017487
6 DRY FOOD GRAIN	.00019047	.00021534	.00024650	.00023798	.00019531	.00036516	.00024239	.00022608
7 DRY FEED GRAIN	.00059160	.00068930	.00078143	.00070965	.00058533	.00142349	.00067358	.00072277
8 OTHER DRY CROP	.00169775	.00202639	.00234559	.00199794	.00161726	.00323265	.00200381	.00215778
9 RANGE LIVESTOCK	.00513358	.00606137	.00693279	.00613426	.00517061	.01049110	.00590511	.00639956
10 FEEDLOT LVSTK	.00555377	.00650883	.00742831	.00663064	.00558127	.01104285	.00635807	.00687311
11 DAIRY	.00272414	.00321620	.00360177	.00317649	.00255982	.00868591	.00300958	.00332829
12 POULTRY,EGGS	.00186616	.00224912	.00262189	.00228061	.00185098	.00444035	.00225275	.00239729
13 AG SUP EX FMC	.00097133	.00113313	.00129319	.00114795	.00094386	.00223789	.00110527	.00119256
14 COTTON GINNING	.00004918	.00005726	.00006161	.00006525	.00004770	.00008447	.00005923	.00005837
15 AGRI SERVICES	.00096353	.00110579	.00126184	.00112835	.00093019	.00213176	.00107482	.00116274
16 PRIM FORESTRY	.00066425	.00066187	.00075464	.00083962	.00076505	.00138734	.00130034	.00069235
17 FISHERIES	.00048491	.00056385	.00061657	.00059101	.00057310	.00167959	.00050730	.00057216
18 CRUDE PETRO	.02659423	.02515907	.02778363	.03234328	.02397980	.03451675	.03114786	.02600656
19 NATRL GAS LQDS.	.00190404	.00191196	.00215259	.00196019	.00151510	.00232690	.00204107	.00200853
20 OIL,GAS FLOSV	.00577918	.00543275	.00600168	.00679430	.00507671	.00731737	.00656098	.00563398
21 LIGNITE,OTH MINE	.00157029	.00154928	.00169856	.00238880	.00174109	.00228425	.00222120	.00160022
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00000726	.00000661	.00000701	.00000703	.00000647	.00000757	.00000496	.00000639
24 INDUS CONS	.00000005	.00000004	.00000005	.00000005	.00000004	.00000005	.00000003	.00000004
25 FACILITY CONS	.00002903	.00002648	.00002813	.00002813	.00002585	.00003048	.00001996	.00002565
26 MAINTEN,REPR	.01918975	.01745581	.01850691	.01856386	.01709405	.01998602	.01308967	.01688563
27 MEAT PRODUCTS	.02337872	.02776787	.03178715	.02801819	.02377194	.04931297	.02676539	.02926319
28 POULTRY PROD	.00188525	.00227681	.00265569	.00223381	.00173459	.00590478	.00226937	.00242573
29 DAIRIES	.00630882	.00748136	.00834283	.00733613	.00590691	.02169849	.00688351	.00769933
30 OTH GRAIN MIL	.00085291	.00101216	.00113785	.00114045	.00102079	.00194701	.00096325	.00104200
31 ANIMAL FEEDS	.00171824	.00205256	.00237335	.00205065	.00165838	.00373213	.00203157	.00218137
32 BAKERY PROD	.00416582	.00494520	.00553155	.00557698	.00384174	.00991324	.00456273	.00509928
33 CNND,PSVP,PCK	.00376265	.00435747	.00457532	.00467983	.00507557	.01769325	.00357206	.00425442
34 OTH FOOD PROD	.01082443	.01287941	.01506265	.01311791	.01141297	.02207382	.01283767	.01375276
35 BEVERAGES	.01266185	.01422650	.01749452	.01392894	.01089784	.02284202	.01493377	.01526092
36 TEXTILE MILL	.00063711	.00077215	.00064602	.00107888	.00052683	.00066312	.00079873	.00067294
37 MBWMC FURN	.00551364	.00581075	.00582807	.00496512	.00479576	.00572301	.00490527	.00891542
38 RELATED APPRL	.00070830	.00085076	.00103305	.00081986	.00070329	.00098233	.00082922	.00099035
39 LOGGING	.00042308	.00041909	.00047762	.00052607	.00048095	.00086131	.00082789	.00044213
40 LUMBER MILLS	.00031501	.00034364	.00037399	.00038503	.00031301	.00424125	.00102313	.00038204
41 MILLWORK,WOOD	.00277275	.00277987	.00315141	.00358493	.00335039	.00362586	.00484449	.00283602
42 WOOD FURN,FIX	.00124527	.00120249	.00144806	.00130268	.00118885	.00227143	.00388902	.00137177
43 MET FURN,FIXT	.00055644	.00055094	.00070015	.00062816	.00063248	.00096606	.01137299	.00063038
44 PAPER,PAP MIL	.00180842	.00171788	.00211365	.00208996	.00193534	.00311594	.00536417	.00195592
45 PAP EX BOX,CT	.00171306	.00167658	.00209373	.00325922	.00333408	.00383042	.00297678	.00194168
46 BOXES,PAP CNT	.00232635	.00263469	.00285775	.00281653	.00218092	.00467465	.00278308	.00259379
47 NEWSPAPERS	.00765803	.00617606	.00681348	.00655875	.00595865	.00670669	.00565476	.01045241
48 PUBLISHING	.00115298	.00084807	.00100876	.00100949	.00099664	.00165652	.00186144	.00104364
49 PRINTING	.00521563	.00430869	.00620116	.00559994	.00533136	.00790444	.00708912	.00479005
50 MANFLG BUS FM	.00075483	.00090345	.00091728	.00104646	.00123803	.00120764	.00111151	.00102406

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 161 *	* SECTOR 162 *	* SECTOR 163 *	* SECTOR 164 *	* SECTOR 165 *	* SECTOR 166 *	* SECTOR 167 *	* SECTOR 168 *
51 OTH PRNT,PUBS	.00078190	.00049956	.00060967	.00057371	.00058591	.00075016	.00105915	.00057795
52 CHLOR,ALKALIE	.00101126	.00099224	.00127725	.00245879	.00117468	.00203858	.00140584	.00176163
53 CYCCRO INT,IG	.00073021	.00092564	.00080309	.00088553	.00069632	.00131219	.00100663	.00074041
54 ORG CHEM	.00678307	.00751494	.00733063	.00729536	.00586856	.00848568	.00980833	.00759851
55 INORG CHEM	.00156687	.00166692	.00196929	.00252387	.00157509	.00280671	.00257026	.00177052
56 FIBERS,PLASTI	.00139512	.00144045	.00170907	.00182556	.00157241	.00190105	.00225422	.00139928
57 SYN RUBBER	.00019756	.00022234	.00022470	.00023344	.00017782	.00023823	.00021328	.00020687
58 DRUGS	.00080553	.00093586	.00541915	.00573390	.00837127	.00066590	.00055720	.00080069
59 AGRICHEMICAL	.00201374	.00226840	.00267868	.00244159	.00195186	.00335909	.00309805	.00237864
60 SPS,CLNS,TOIL	.00134366	.00141129	.00170687	.00154692	.00147928	.00161834	.00162638	.00147111
61 PAINT+VARNISH	.00118569	.00237772	.00141528	.00135080	.00112217	.00452904	.00200211	.00127215
62 OTH CHEMICALS	.00131239	.00130730	.00143935	.00161861	.00123293	.00147984	.00218778	.00126441
63 PETRO REFING	.06236567	.05482417	.06080858	.05435397	.04381954	.06539438	.05584801	.05533896
64 OTH PETRO PRD	.00027254	.00026443	.00028692	.00035895	.00028070	.00035076	.00034540	.00027039
65 TIRES	.00106564	.00123789	.00123097	.00123663	.00089867	.00127305	.00111086	.00113531
66 FAB RUBBER PR	.00040432	.00033345	.00051037	.00075303	.00116742	.00035241	.00075662	.00039110
67 PLASTIC PRODS	.00388338	.00396129	.00476210	.00491298	.00350392	.00517694	.00700651	.00414898
68 LEATHER,L PRD	.00058036	.00044057	.00073842	.00051333	.00040463	.00061658	.00057141	.00046432
69 GLASS	.00122304	.00136895	.00163335	.00141554	.00121322	.00269447	.00169745	.00143248
70 CLAY	.00041275	.00041471	.00047073	.00046551	.00035644	.00052624	.00037464	.00042034
71 CUT ST,CL,SH	.00105779	.00103597	.00121002	.00142821	.00118317	.00136891	.00143580	.00106941
72 CEMENT,CONCRT	.00091616	.00083500	.00090109	.00093828	.00083073	.00099970	.00071616	.00080448
73 BLAST FURNACE	.00078440	.00074644	.00080512	.00102972	.00063728	.00098460	.00194366	.00070860
74 PRI STEEL,IRO	.00027965	.00028624	.00031605	.00043625	.00030369	.00036840	.00114098	.00027860
75 FOUNDRIES	.00055337	.00058204	.00058212	.00058195	.00053687	.00072317	.00100304	.00050200
76 NONFER SMELTG	.00107339	.00054906	.00059051	.00058948	.00047230	.00070016	.00108838	.00054416
77 AL SMLT ROL DR	.00136801	.00153096	.00147693	.00153171	.00138808	.00178774	.00266208	.00130125
78 CAST,FORGINGS	.00009681	.00010933	.00013872	.00012606	.00010534	.00015506	.00029771	.00010708
79 FABRI STEEL	.00029111	.00042131	.00032762	.00032241	.00028550	.00041246	.00033666	.00029483
80 PLATE WORK	.00096974	.00032586	.00014628	.00016785	.00014167	.00019627	.00013224	.00013859
81 SH MET,ARCH	.00174140	.00379339	.00191970	.00184570	.00177106	.00240714	.00196211	.00172297
82 METAL DOORS	.00021403	.00018835	.00021276	.00018924	.00016180	.00027534	.00028122	.00019237
83 FAB MET PROD	.00324684	.00349288	.00517176	.00364311	.00781824	.00588557	.00533877	.00372832
84 PLUMBING	.00031271	.00049910	.00037501	.00035042	.00031760	.00058815	.00149351	.00033990
85 BOLTS,NUTS,SC	.00057649	.00061944	.00069392	.00071631	.00055573	.00088801	.00091728	.00064208
86 ELCTPLT,CT,EN	.00023949	.00205831	.00026402	.00026853	.00026065	.00035566	.00024475	.00022549
87 VALVE,PIPE FT	.00114089	.00102837	.00108661	.00169354	.00100150	.00143878	.00410977	.00104698
88 OTH FAB MET P	.00096849	.00108138	.00125273	.00140481	.00093436	.00163268	.00108498	.00104317
89 FM,CONS,IND M	.00034021	.00036939	.00039774	.00040052	.00032594	.00044657	.00032801	.00035721
90 HTL HDL MC,EQ	.00008617	.00008573	.00009016	.00009577	.00007190	.00009862	.00040873	.00007775
91 MIN MACH,EQUP	.00040177	.00039815	.00041211	.00048848	.00039623	.00045993	.00236335	.00038875
92 ENGINES	.00014017	.00013691	.00014171	.00016680	.00011933	.00016470	.00018481	.00013741
93 METAL WK MACH	.00015997	.00019392	.00019906	.00020575	.00015692	.00028929	.00051529	.00018134
94 IND PROC MACH	.00031780	.00035151	.00037087	.00036767	.00030646	.00051330	.00041743	.00033015
95 GEN IND MACH	.00140309	.00170228	.00190195	.00241934	.00141895	.00156009	.00231954	.00184160
96 REFRIG MACH	.00087107	.00043879	.00040153	.00134049	.00046444	.00087509	.00239129	.00080006
97 COMPU,ACCT MACH	.00104984	.00100792	.00121374	.00117511	.00136340	.00141363	.00306902	.00101151
98 ELEC INST,AP	.00145283	.00197089	.00144517	.00147844	.00136396	.00170510	.00336056	.00129087
99 ELEC HSLD EQ	.00035909	.00488866	.00051573	.00048214	.00052198	.00071801	.00130090	.00043264
100 ELEC COMM EQ	.02316374	.00131913	.00196967	.00275891	.00356875	.00258229	.00307843	.00297476

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 161 *	* SECTOR 162 *	* SECTOR 163 *	* SECTOR 164 *	* SECTOR 165 *	* SECTOR 166 *	* SECTOR 167 *	* SECTOR 168 *
101 OTH ELEC APP	.00375395	.00045728	.00054521	.00056984	.00048343	.00069639	.00291626	.00050456
102 AIRCRAFT	.00001537	.00001754	.00001765	.00002480	.00001441	.00001673	.00001674	.00002196
103 AIRCRAFT ENG	.00000105	.00000121	.00000138	.00000123	.00000101	.00000222	.00000120	.00000128
104 OTH AIRCRAFT	.00007715	.00009152	.00009669	.00012957	.00007726	.00008265	.00042572	.00011405
105 MOTOR VHCL,P	.00618328	.00739585	.00787329	.00696541	.00555838	.00772503	.00701597	.00728255
106 SHIP,BT BLDG	.00031030	.00036111	.00041719	.00036179	.00028276	.00047527	.00036672	.00038463
107 OTH TRANS EQ	.00165902	.00195137	.00221895	.00187644	.00149020	.00216928	.00186543	.00204380
108 SCIENTIF INS	.00016888	.00015146	.00020236	.00022095	.00020395	.00031964	.00468400	.00017530
109 MECH MSRG DV	.00007044	.00007608	.00008769	.00009931	.00007201	.00009406	.00033389	.00007728
110 MEDICAL INST	.00164168	.00160688	.00266319	.0026605	.00226456	.00338560	.01706254	.00187407
111 PHO,TH,OPT I	.00087473	.00082273	.00142112	.00122090	.00111644	.00163272	.00217945	.00094220
112 GAMES,TOYS	.00020854	.00023212	.00028901	.00025951	.00030380	.00040242	.00062021	.00025818
113 OTH HFG IND	.00220656	.00231761	.00245441	.00250382	.00348783	.00316410	.00295616	.00226379
114 RAIL TRANS	.00330153	.00386582	.00390557	.00523365	.00320346	.00426835	.00511413	.00419447
115 INTERCTY HGY	.00096852	.00116918	.00132803	.00125638	.00085751	.00135361	.00114343	.00123897
116 MOTOR FRT STR	.01879416	.02415757	.02089107	.02457716	.01560743	.02247316	.01972768	.02110168
117 WATER TRANS	.00192401	.00194465	.00217809	.00211078	.00160565	.00243074	.00216437	.00199150
118 AIR TRANS	.01086243	.01278953	.01273149	.01829986	.01040204	.01146865	.01193876	.01639864
119 PIPELINE TRN	.00161545	.00148284	.00165734	.00163836	.00124824	.00181119	.00168124	.00150810
120 LOC,SUB TRAN	.00093666	.00113764	.00127378	.00127104	.00084165	.00126241	.00106076	.00119396
121 OTH TRAN SER	.00080001	.00080452	.00086076	.00103706	.00070735	.00103729	.00080481	.00087058
122 TELEP,TELEGR	.02652368	.01904541	.02342404	.02574520	.01907708	.01920076	.02189012	.01940483
123 RADIO , TV	.00291314	.00265155	.00257556	.00436249	.00223611	.00260499	.00422657	.00340070
124 OTH COMMUNIC	.00074496	.00065393	.00060956	.00118360	.00048097	.00054641	.00044290	.00063405
125 GAS SERVICES	.02721629	.02704461	.02984097	.04045871	.02898214	.04074508	.03753766	.02826636
126 ELEC SERVICES	.03706735	.03665118	.03981141	.06253215	.04474069	.05615026	.05532381	.03806297
127 WATER,SANI SERV	.01084677	.01013273	.01060953	.01654167	.01284418	.01326812	.01342146	.01091948
128 WHL AUT PT,S	.01407796	.01668845	.01933878	.01681688	.01247807	.01961771	.01670866	.01805877
129 WHL GRO,RELP	.01552859	.01673620	.01890784	.02095577	.01790747	.02642006	.01559784	.01769050
130 WHL FM PROD	.00096370	.00108986	.00125398	.00120308	.00093387	.00181930	.00113695	.00113407
131 WHL LIVESTOC	.00024117	.00028494	.00032764	.00028743	.00024000	.00046246	.00028247	.00030190
132 WHL HAC,Eq,S	.00930066	.01169083	.01138558	.03308559	.01118494	.00944885	.00849908	.01041640
133 WHL PET,PETP	.01909375	.01559653	.01748295	.01972507	.01329971	.01813777	.01555370	.01636365
134 GEN WHL	.05971250	.05373227	.06043766	.06426706	.03881943	.05364911	.04926002	.04877525
135 LUMBER YARDS	.00630638	.00324189	.00375563	.00443701	.00359426	.00445794	.00320777	.00341689
136 FARM EQ DEAL	.00213953	.00215835	.00252704	.00225299	.00173391	.00256998	.00221259	.00231613
137 HDW,HT,E,F,W	.00072123	.00124604	.00096655	.00085789	.00064839	.00215994	.00087483	.00088525
138 DEPT,VAR STO	.01554942	.01854797	.02179343	.01804284	.01391036	.02213263	.01884903	.02001663
139 FOOD STORES	.01927413	.02302539	.02687070	.02330220	.01867209	.02725576	.02292473	.02476693
140 AUTO DEAL,RP	.02229835	.01937143	.02070602	.01867640	.01370954	.02318280	.01804878	.01882338
141 GAS SER STAT	.00601206	.00407412	.00451169	.00442434	.00349092	.00436781	.00380170	.00400241
142 APPRL ACC ST	.00860537	.01039631	.01219333	.01004171	.00826005	.01233528	.01048495	.01118189
143 FURN,HM F,EQ	.00561370	.00666074	.00781425	.00648514	.00503498	.00795392	.00679845	.00717087
144 EAT,DRINK PL	.02377126	.02711301	.03049305	.02904778	.02300980	.03013526	.02525575	.02835243
145 OTHER RETAIL	.02676735	.01795183	.02090670	.01958654	.01378412	.02053154	.01748720	.01918327
146 BANK,CRD AGE	.08074072	.08703238	.09372700	.11745571	.08804795	.09131439	.07320434	.12999200
147 INSURANCE CA	.03936837	.03875169	.04117666	.03867279	.02440272	.02874027	.02878983	.03508799
148 F.I.R.E. NEC	.07933514	.09465103	.10173853	.11278132	.10211217	.11330135	.05443787	.08113372
149 LEGAL SERVIC	.00911524	.01140997	.01276932	.01657490	.00930243	.00975436	.01538944	.01240160
150 LODGING SERV	.00735225	.00854320	.00941874	.01134728	.00703342	.00826759	.00692048	.00873042

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 161	* SECTOR 162	* SECTOR 163	* SECTOR 164	* SECTOR 165	* SECTOR 166	* SECTOR 167	* SECTOR 168
151 PERSONAL SER	.0143869	.01198140	.01370695	.01482210	.02320659	.01266419	.01152864	.01213320
152 ADVERTISING	.00175268	.00157963	.00164524	.00222058	.00128587	.00183240	.00251054	.00175740
153 DUPL, ADDRESS	.00098912	.00107977	.00113155	.00210533	.00089955	.00090822	.00077304	.00109237
154 PRI ENPL AGE	.00096714	.00105509	.00110438	.00194757	.00086804	.00089636	.00071639	.00109417
155 PHOTO SERVIC	.00422228	.00450537	.00445956	.00941220	.00355644	.00387085	.00308289	.00467647
156 RESRCH, DEVEL	.00010259	.00010436	.00011929	.00014321	.00013701	.00013250	.00013642	.00010757
157 OTHER BUS SE	.01298041	.00892278	.01884641	.02440338	.01610471	.00984396	.01294463	.00933377
158 MTN PCT, AM, R	.00690138	.00820378	.00929360	.00923443	.00611861	.00922377	.01057237	.00871739
159 AUTO RENT SE	.00458602	.00371655	.00269305	.00381975	.00228894	.00243331	.00886577	.00248673
160 AUTO PARKING	.00047741	.00058247	.00067418	.00059760	.00044415	.00067210	.00056995	.00062063
161 ELEC REP SHP	1.00598240	.00329783	.00417189	.00320946	.00201770	.00230695	.00189191	.00218765
162 MISC REP SER	.00568022	1.00572768	.00611174	.00732639	.00889724	.00527361	.00439646	.00566248
163 PHYS, DENT SE	.01190010	.01430434	1.01713556	.01539251	.01074807	.01669098	.01415847	.01534348
164 HOSP, LAB SER	.02832742	.03406133	.05293628	1.08319347	.02521844	.03908243	.03301994	.03640309
165 OTH MED SERV	.01204195	.01451643	.01714375	.01433242	1.01080255	.01721074	.01461972	.01564190
166 ED(PUB, PRI)	.02362908	.02460375	.02798170	.03162227	.02106740	1.02692310	.02262551	.02502620
167 COLL, UNIV	.01172037	.01319132	.01534604	.01537805	.01080552	.01471989	1.01257389	.01350252
168 OTH ED SERV	.00215148	.00258839	.00302339	.00257490	.00192371	.00304703	.00258956	1.00278453
169 ENG, ARCH SER	.00440451	.00467501	.00424915	.01043211	.00402220	.00394202	.03838029	.00463282
170 COMPU, ACCT SERV	.01414595	.01430616	.02227636	.02379790	.01237091	.01113564	.00871632	.01359560
171 OTH PROF SER	.00014358	.00015656	.00015701	.00027727	.00013499	.00015772	.00020825	.00017166
172 OTHER SERVIC	.02069963	.02372612	.02856063	.03269977	.01881062	.02177687	.02035689	.02291154
173 ORD, ORD ACCS	.00000776	.00000915	.00001051	.00000988	.00000706	.00001095	.00001023	.00000957
174 OUTDOOR REC	.00128780	.00181154	.00152968	.00175337	.00126422	.00151857	.00127944	.00213840
175 SCRAP	.00017242	.00015309	.00017053	.00019142	.00013984	.00019676	.00023341	.00015587
176 HOUSEHOLDS	.77543684	.93499345	1.09864680	.90298612	.69637331	1.11138384	.94484668	1.00813777
TOTAL DIR/IND/IND REQ	2.90986887	3.08825400	3.40151254	3.35908805	2.74843065	3.51818163	3.16019784	3.20916817

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 169 *	* SECTOR 170 *	* SECTOR 171 *	* SECTOR 172 *	* SECTOR 173 *	* SECTOR 174 *	* SECTOR 175 *	HOUSEHOLDS*
1 IRR COTTON	.00029017	.00024834	.00027871	.00029459	.00025547	.00030280	.00022295	.00036862
2 IRR FOOD GRAIN	.00043917	.00036954	.00039773	.00040353	.00034817	.00041219	.00033535	.00056333
3 IRR FEED GRAIN	.00097306	.00086526	.00093868	.00085608	.00076094	.00095115	.00076655	.00134810
4 OTHER IRR CROP	.00339804	.00310139	.00342223	.00314145	.00271440	.00327475	.00264400	.00467186
5 DRYLAND COTTON	.00017520	.00015560	.00017098	.00017049	.00015104	.00018114	.00014124	.00023724
6 DRY FOOD GRAIN	.00025741	.00021026	.00022934	.00068711	.00038572	.00023532	.00018367	.00030738
7 DRY FEED GRAIN	.00076068	.00064944	.00069854	.00066641	.00058310	.00073681	.00058188	.00100565
8 OTHER DRY CROP	.00209052	.00194091	.00209632	.00179107	.00166998	.00215871	.00174736	.00311948
9 RANGE LIVESTOCK	.00641611	.00576748	.00624630	.00560756	.00503200	.00631937	.00512256	.00908795
10 FEEDLOT LVSTK	.00693183	.00622613	.00677443	.00613245	.00546891	.00676872	.00549866	.00969419
11 DAIRY	.00361147	.00294471	.00312772	.00305138	.00250968	.00319872	.00261438	.00460868
12 POULTRY,EGGS	.00227878	.00217781	.00235319	.00194301	.00188030	.00243933	.00200391	.00350567
13 AG SUP EX FMC	.00120914	.00107565	.00116342	.00108228	.00095034	.00118078	.00095877	.00168649
14 COTTON GINNING	.00005920	.00005192	.00005711	.00005851	.00005173	.00006097	.00004616	.00007712
15 AGRI SERVICES	.00119647	.00105452	.00113764	.00107111	.00093363	.00116060	.00095149	.00163798
16 PRIM FORESTRY	.00081938	.00072701	.00077003	.00094456	.00080279	.00073027	.00069014	.00070244
17 FISHERIES	.00066737	.00050403	.00053152	.00059545	.00042665	.00054480	.00043955	.00076422
18 CRUDE PETRO	.02615284	.02579032	.02442043	.03432443	.02475446	.02885712	.02814958	.03129812
19 NATRL GAS LQDS.	.00211990	.00185434	.00198774	.00215882	.00193360	.00234417	.00204142	.00270395
20 OIL,GAS FLDSV	.00571620	.00553230	.00530087	.00732893	.00534771	.00637047	.00613498	.00682978
21 LIGNITE,OTH MINE	.00190158	.00167817	.00144733	.00221600	.00207977	.00174462	.00198018	.00164033
22 RES CONSTRUCT	0.	0.	0.	0.	0.	0.	0.	0.
23 COMM,ED,INST	.00001505	.00000661	.00000542	.00000970	.00000560	.00000834	.00001030	.00000597
24 INDUS CONS	.00000010	.00000004	.00000004	.00000006	.00000004	.00000006	.00000007	.00000004
25 FACILITY CONS	.00005986	.00002647	.00002180	.00003867	.00002244	.00003336	.00004104	.00002417
26 MAINTEN,REPR	.03977067	.01745585	.01431717	.02563788	.01480074	.02203722	.02722040	.01578047
27 MEAT PRODUCTS	.02923950	.02634295	.02839913	.02540052	.02253690	.02876661	.02336421	.04176641
28 POULTRY PROD	.00228772	.00220887	.00237897	.00195767	.00187886	.00246047	.00198881	.00355148
29 DAIRIES	.00844804	.00678411	.00717526	.00708907	.00565171	.00733722	.00599413	.01064199
30 OTH GRAIN MIL	.00114033	.00093377	.00099847	.00105825	.00081543	.00104408	.00083366	.00144970
31 ANIMAL FEEDS	.00212651	.00196889	.00212732	.00181845	.00170347	.00283110	.00178237	.00314995
32 BAKERY PROD	.00556210	.00448749	.00477505	.00467630	.00374310	.00487329	.00396731	.00708153
33 CNND,PSVP,PCK	.00556380	.00366503	.00377942	.00504274	.00291373	.00387631	.00309292	.00538707
34 OTH FOOD PROD	.01308821	.01244832	.01341602	.01220786	.01056198	.01379021	.01123988	.01997641
35 BEVERAGES	.01432100	.01395588	.01504149	.01242952	.01169457	.01553177	.01236755	.02212425
36 TEXTILE MILL	.00069409	.00051768	.00064342	.00083536	.00064222	.00075657	.00042994	.00068935
37 MBWMC FURN	.00544542	.00476762	.00509309	.00491146	.00506946	.00713887	.00428139	.00762149
38 RELATED APPRL	.00087933	.00079734	.00085618	.00096941	.00068975	.00093888	.00071792	.00128048
39 LOGGING	.00053681	.00045945	.00053703	.00063476	.00056660	.00047703	.00042176	.00044799
40 LUMBER MILLS	.00044704	.00034661	.00035869	.00042767	.00034241	.00072999	.00035000	.00039178
41 MILLWORK,WOOD	.00325240	.00305452	.00276110	.00344729	.00254648	.00258745	.00298154	.00286863
42 WOOD FURN,FIX	.00171015	.00139195	.00196948	.00264035	.00137055	.00124562	.00099102	.00144363
43 MET FURN,FIXT	.00091567	.00072909	.00126075	.00110004	.00033751	.00220782	.00058566	.00058566
44 PAPER,PAP MIL	.00258190	.00203444	.00385019	.00413476	.00495923	.00265237	.00152346	.00189077
45 PAP EX BOX,CT	.00270277	.00211772	.00351878	.00359479	.00197017	.00214036	.00121953	.00175705
46 BOXES,PAP CNT	.00289004	.00246349	.00257571	.00317231	.02792977	.00274804	.00218302	.00345568
47 NEWSPAPERS	.00709729	.00597309	.00700409	.00674573	.00483974	.00603299	.00512356	.00833758
48 PUBLISHING	.00136213	.00169226	.00193072	.00317906	.00093943	.00064640	.00048697	.00069272
49 PRINTING	.00788770	.00658854	.02309394	.02461955	.00266821	.00749918	.00301542	.00342023
50 MANFLD BUS FM	.00118917	.00108085	.00151052	.00125942	.00119746	.00074330	.00081742	.00082425

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 169 *	* SECTOR 170 *	* SECTOR 171 *	* SECTOR 172 *	* SECTOR 173 *	* SECTOR 174 *	* SECTOR 175 *	HOUSEHOLDS*
51 OTH PRNT,PUBS	.00096045	.00069587	.00384690	.00092656	.00062116	.00054216	.00034250	.00049656
52 CHLOR,ALKALIE	.00166105	.00132433	.00202985	.00227660	.00118051	.00090500	.00074816	.00100069
53 CYCCRD INT,IG	.00093148	.00073884	.00074617	.00185573	.00158989	.00108505	.00077169	.00087857
54 ORG CHEM	.000916392	.000643555	.00717024	.01056765	.00831334	.00873898	.01009907	.00825505
55 INORG CHEM	.00217412	.00180482	.00237436	.00240380	.00212735	.00349023	.00140567	.00212784
56 FIBERS,PLASTI	.00203904	.00147644	.00166492	.01006229	.00527834	.00267580	.00114465	.00166669
57 SYN RUBBER	.00021758	.00021766	.00019749	.00022109	.00155762	.00046789	.00049138	.00026824
58 DRUGS	.00156146	.00057711	.00053860	.00128224	.00042502	.00063348	.00045429	.00079529
59 AGRI CHEMICAL	.00257681	.00229378	.00228356	.00232768	.00186003	.00280624	.00191937	.00328064
60 SPS,CLNS,TOIL	.00156744	.00135992	.00137255	.00143793	.00128081	.00212158	.00123003	.00200372
61 PAINT,VARNISH	.00183616	.00123240	.00128105	.00136259	.00131736	.00179753	.00122146	.00164114
62 OTH CHEMICALS	.00147435	.00135148	.00140469	.02026417	.00246066	.00149153	.00127664	.00144995
63 PETRO REFING	.06094615	.05264007	.05473068	.07023340	.05185600	.07609962	.06683844	.07435957
64 OTH PETRO PRD	.00036644	.00027828	.00023803	.00038713	.00023761	.00037666	.00032760	.00028165
65 TIRES	.00114038	.00122782	.00108292	.00118241	.00995131	.00269224	.00302962	.00151211
66 FAB RUBBER PR	.00051864	.00029169	.00029737	.00045496	.00029727	.00050171	.00027041	.00034808
67 PLASTIC PRODS	.00627209	.00440573	.00503207	.05483810	.02461679	.00473860	.00329338	.00516267
68 LEATHER,L PRD	.00053414	.00051974	.00071918	.00056048	.00036203	.00055662	.00035551	.00058631
69 GLASS	.00164909	.00166238	.00147494	.00142978	.00158368	.00150219	.00117210	.00195056
70 CLAY	.00062562	.00041733	.00039301	.00048067	.00034913	.00119141	.00046280	.00053576
71 CUT ST,CL,SH	.00143895	.00112782	.00119871	.00137714	.00104923	.00156673	.00099521	.00113783
72 CEMENT,CONCRT	.00284001	.00087516	.00073596	.00113707	.00071668	.00173089	.00110373	.00079194
73 BLAST FURNACE	.00209843	.00075643	.00087538	.00180210	.01171344	.00154186	.00185564	.00076448
74 PRI STEEL,IRO	.01452515	.00040876	.00051940	.00059513	.00068189	.00056167	.00037266	.00026665
75 FOUNDRIES	.00505946	.00054612	.00070049	.00090680	.00179038	.00061172	.00062495	.00060970
76 NONFER SMELTG	.00088788	.00053709	.00063029	.00072624	.00206127	.00205019	.00054258	.00066190
77 AL SMLT ROL DR	.00309550	.00136691	.00199650	.00180837	.02375401	.00167478	.00131989	.00147995
78 CAST,FORGINGS	.00032800	.00012771	.00016139	.00015813	.00399619	.00013831	.00018264	.00012576
79 FABRI STEEL	.00061357	.00030561	.00039288	.00049288	.00057555	.00055275	.00037512	.00032914
80 PLATE WORK	.00025316	.00014979	.00014191	.00037747	.00080866	.00020607	.00011421	.00011036
81 SH MET,ARCH	.00503058	.00191239	.00329209	.00281944	.00205556	.00185830	.00170131	.00170051
82 METAL DOORS	.00022428	.00019586	.00017251	.00026565	.00015307	.00017719	.00016102	.00023649
83 FAB MET PROD	.00443907	.00388309	.00492519	.00450932	.00362625	.00565283	.00322938	.00472722
84 PLUMBING	.00051653	.00036514	.00051618	.00055216	.00045749	.00066381	.00036228	.00036554
85 BOLTS,NUTS,SC	.00087633	.00062440	.00068472	.00106650	.00093274	.00114576	.00085724	.00077882
86 ELCTPLT,CT,EN	.00038700	.00027104	.00022225	.00271330	.00045176	.00026030	.00019738	.00021832
87 VALVE,PIPE FT	.06715982	.00121076	.00089125	.00163256	.00613329	.00113133	.00098428	.00100308
88 OTH FAB MET P	.00104341	.00119926	.00092442	.03308840	.00081461	.00092947	.00088921	.00123421
89 FM,CONS,IND M	.00054806	.00034879	.00032967	.00044253	.00045360	.00482843	.00043351	.00043351
90 MTL HDL MC,EQ	.00011050	.00007784	.00007796	.00011282	.00039029	.00008766	.00007936	.00009474
91 MIN MACH,EQUP	.00115778	.00045055	.00039904	.00055517	.00076182	.00038677	.00037518	.00041879
92 ENGINES	.00017962	.00013648	.00013656	.00018170	.00026842	.00018036	.00139587	.00015606
93 METAL WK MACH	.00072800	.00017986	.00020966	.00040006	.00069002	.00029931	.00026101	.00022268
94 IND PROC MACH	.00041474	.00034383	.00052705	.00090492	.00103289	.00061334	.00297917	.00039466
95 GEN IND MACH	.00154636	.00185040	.00213267	.00233485	.00323639	.00125946	.00164696	.00146357
96 REFRIG MACH	.00071306	.00027709	.00024200	.00070953	.00021094	.00027026	.00026304	.00031721
97 COMPU,ACCT MACH	.00196447	.00226549	.01208634	.00179704	.01480589	.00118464	.00113352	.00094715
98 ELEC INST,AP	.00276925	.00140098	.00154062	.00207225	.00786963	.00206278	.00189878	.00118734
99 ELEC HSLD EQ	.00052278	.00046080	.00061993	.00063243	.00165755	.00035770	.00034475	.00049402
100 ELEC COMM EQ	.00222317	.00175416	.00286494	.00276023	.05673163	.00168271	.00095139	.00126473

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 169	* SECTOR 170	* SECTOR 171	* SECTOR 172	* SECTOR 173	* SECTOR 174	* SECTOR 175	* HOUSEHOLDS*
101 OTH ELEC APP	.00066294	.00057134	.00080723	.00094944	.00086649	.00847282	.00061057	.00049008
102 AIRCRAFT	.00002150	.00002403	.00002471	.00002310	.00001281	.00001484	.00001851	.00001856
103 AIRCRAFT ENG	.00000147	.00000116	.00000126	.00000118	.01598670	.00000128	.00000106	.00000180
104 OTH AIRCRAFT	.00011931	.00012566	.00012976	.00012698	.00042444	.00007389	.00009039	.00009489
105 MOTOR VHCL,P	.00792065	.00678563	.00679021	.00692639	.00614816	.05315671	.00832440	.00992671
106 SHIP,BT BLDG	.00037494	.00035145	.00037576	.00033437	.00031669	.00237963	.00033270	.00055125
107 OTH TRANS EQ	.00210316	.00182080	.00193688	.00354033	.00965789	.00203320	.00174605	.00288797
108 SCIENTIF INS	.00030921	.00023108	.00043291	.00039890	.00013311	.00020144	.00008045	.00011890
109 MECH MSRG DV	.00010374	.00009215	.00007903	.00013282	.02450266	.00007961	.00013452	.00007836
110 MEDICAL INST	.00335660	.00246095	.00477150	.00429998	.00077973	.00096135	.00081554	.00130730
111 PHO,TH,OPT I	.00394422	.00936694	.00248411	.00238239	.00967992	.00068672	.00037048	.00050208
112 GAMES,TOYS	.00032321	.00027323	.00040773	.00040248	.00016212	.00057073	.00017335	.00030266
113 OTH MFG IND	.00311561	.00242911	.00437078	.00470232	.00168678	.00180321	.00126706	.00192996
114 RAIL TRANS	.00448319	.00404384	.00355515	.00571973	.00930301	.00582055	.03598679	.00441084
115 INTERCTY HGY	.00112947	.00117425	.00117409	.00103395	.00097699	.00122268	.00116208	.00174856
116 MOTOR FRT STR	.01933226	.03146387	.01841463	.02115803	.02014600	.02325249	.12283302	.02473270
117 WATER TRANS	.00225578	.00191724	.00198821	.00242662	.00219129	.00247261	.00210751	.00264476
118 AIR TRANS	.01571812	.01814327	.01879435	.01703256	.00822163	.01028970	.01291392	.01320242
119 PIPELINE TRN	.00178977	.00146986	.00151247	.00209967	.00161306	.00207170	.00169428	.00196042
120 LOC,SUB TRAN	.00106822	.00115648	.00110777	.00100215	.00087761	.00119005	.00092661	.00166259
121 OTH TRAN SER	.00086273	.00086259	.00081441	.00112323	.00086297	.00086631	.00111836	.00100307
122 TELEP,TELEGR	.02193823	.02715608	.02462710	.02287922	.01966866	.01372283	.01781682	.01689686
123 RADIO , TV	.00260976	.00309450	.00253867	.00364576	.00167684	.00206168	.00295823	.00266104
124 OTH COMMUNIC	.00066249	.00045268	.00045268	.00079481	.00053327	.00045600	.00039242	.00062131
125 GAS SERVICES	.02544533	.02897767	.02525534	.03540891	.02504667	.02642238	.02861062	.03157728
126 ELEC SERVICES	.03121947	.04059468	.03209702	.05131560	.03217729	.03089990	.04479117	.03679680
127 WATER,SANI SERV	.00867587	.01140597	.00937390	.01304442	.00822083	.01055244	.00798650	.01081747
128 WHL AUT PT,S	.01645725	.01650627	.01731587	.01720965	.01411993	.03987717	.01641061	.02581395
129 WHL GRO,RELP	.01609021	.01735471	.01645590	.01557193	.01306886	.01684932	.01369442	.02420101
130 WHL FM PROD	.00123947	.00106282	.00111756	.00128553	.00104277	.00126121	.00093496	.00154820
131 WHL LIVESTOC	.00030024	.00027284	.00029564	.00026459	.00023948	.00030075	.00024308	.00043078
132 WHL MAC,EO,S	.01721114	.01723731	.00862025	.01557889	.00714543	.00785203	.00742691	.00837933
133 WHL PET,PETP	.01589333	.01659124	.01580012	.01919316	.01383774	.01892991	.02732200	.02192631
134 GEN WHL	.06835202	.05124091	.04711136	.07328815	.08052939	.04942319	.03972407	.06122617
135 LUMBER YARDS	.00332105	.00316816	.00337995	.00300458	.00283024	.00362689	.00298757	.00490710
136 FARM EQ DEAL	.00215126	.00211114	.00270154	.00197637	.00185495	.00233506	.00191586	.00333846
137 HDW,HT,E,P,W	.00093966	.00082810	.00089268	.00083288	.00077226	.00092406	.00075685	.00125986
138 DEPT,VAR STO	.01854634	.01809690	.01991376	.01595628	.01592330	.02029564	.01638759	.02933500
139 FOOD STORES	.02260588	.02273831	.02401606	.02058768	.01904408	.02474323	.02002855	.03601863
140 AUTO DEAL,RP	.02138165	.01772943	.01822286	.01789647	.01682623	.02922948	.02444896	.02671948
141 GAS SER STAT	.00381862	.00392811	.00376796	.00531205	.00322053	.00486838	.00537111	.00549782
142 APPRL ACC ST	.01025509	.01011165	.01096929	.00865685	.00866816	.01132347	.00916534	.01651052
143 FURN,HM F,EQ	.00662729	.00649874	.00705069	.00564287	.00581059	.00732662	.00590348	.01054580
144 EAT,DRINK PL	.02772205	.02746772	.03069529	.02745460	.02111592	.00272072	.02211058	.03904005
145 OTHER RETAIL	.01757102	.01888593	.02251831	.01790877	.02013746	.01864269	.01505068	.02676711
146 BANK,CRD AGE	.08598956	.09612596	.08064827	.09350321	.06939116	.08284763	.10441380	.10120201
147 INSURANCE CA	.02752659	.03144714	.02943187	.03734845	.02521232	.03563286	.03201696	.03051223
148 F.I.R.E. NEC	.06893438	.11597798	.09320685	.08018931	.07089246	.05400402	.08424491	.06882612
149 LEGAL SERVIC	.00955452	.01248969	.01436649	.01537462	.00774911	.00747936	.01017161	.00921245
150 LODGING SERV	.00937276	.01118676	.01132692	.01064731	.00608124	.00751734	.00859202	.01019530

APPENDIX TABLE 5. DIRECT, INDIRECT, AND INDUCED REQUIREMENTS
(TEXAS, 1979)

	* SECTOR 169 *	* SECTOR 170 *	* SECTOR 171 *	* SECTOR 172 *	* SECTOR 173 *	* SECTOR 174 *	* SECTOR 175 *	HOUSEHOLDS*
151 PERSONAL SER	.01070305	.01209218	.01092612	.01142405	.01081979	.01122136	.00924199	.01617261
152 ADVERTISING	.00161989	.00183249	.00170636	.00193254	.00162331	.00141463	.00167047	.00179351
153 DUPL, ADDRESS	.00091577	.00147163	.00100771	.00142050	.00057677	.00068901	.00065529	.00089773
154 PRI ENPL AGE	.00088559	.00684108	.00078011	.00135272	.00067579	.00083482	.00066670	.00101063
155 PHOTO SERVIC	.00370527	.00586375	.00316771	.00655002	.00255782	.00321914	.00276231	.00438286
156 RESRCH,DEVEL	.00014048	.00011082	.00010989	.00016544	.00017374	.00014187	.00010479	.00012825
157 OTHER BUS SE	.02263818	.02164653	.00759592	.01620451	.00618606	.01644974	.00818759	.00779409
158 MTN PCT, AM, R	.00787176	.00843641	.00933733	.00746805	.00640775	.00835205	.00678468	.01210810
159 AUTO RENT SE	.00310911	.00315517	.00334549	.00333269	.00204830	.00257340	.00261287	.00253613
160 AUTO PARKING	.00058408	.00057927	.00059637	.00051575	.00047277	.00061612	.00050954	.00088725
161 ELEC REP SHP	.00197892	.00224905	.00194141	.00247762	.00163342	.00201713	.00172599	.00279549
162 MISC REP SER	.00955992	.00856822	.00427960	.00826982	.00386039	.00451217	.01166725	.00583775
163 PHYS, DENT SE	.01396147	.01414269	.01479807	.01217875	.01169598	.01530120	.01239519	.02222454
164 HOSP, LAB SER	.03289375	.03436070	.03447657	.02972931	.02721386	.03559736	.02883811	.05178759
165 OTH MED SERV	.01431677	.01417705	.01529145	.01211069	.01207533	.01579161	.01278037	.02303459
166 ED(PUB, PRI)	.02382951	.02773367	.02474430	.02502077	.01975089	.02278840	.02155799	.02996865
167 COLL, UNIV	.01284218	.01415430	.01392591	.01265760	.01064924	.01309898	.01167465	.01765169
168 OTH ED SERV	.00254177	.00254768	.00270849	.00218135	.00213775	.00279065	.00226213	.00406647
169 ENG, ARCH SER	1.00905417	.00655028	.00259750	.00816842	.00247701	.00274585	.00269684	.00324181
170 COMPU, ACCT SERV	.01114415	1.01761848	.01923341	.01965049	.01356344	.01884037	.01190527	.01129671
171 OTH PROF SER	.00013836	.00020140	1.00011816	.00020714	.00011305	.00011991	.00011362	.00015208
172 OTHER SERVIC	.01995922	.02822530	.01913348	1.033358701	.01499206	.01882937	.01932243	.02651389
173 ORD, ORD ACCS	.00001963	.00000886	.00000987	.00000860	1.00463957	.00000993	.00000835	.00001382
174 OUTDOOR REC	.00130361	.00152806	.00130431	.00137783	.00109077	1.00134940	.00203991	.00181760
175 SCRAP	.00025622	.00015583	.00016735	.00024669	.00727756	.00028168	1.00014287	.00018753
176 HOUSEHOLDS	.92374794	.91048664	.98832901	.77675793	.78037873	1.02066000	.82602698	1.48907719
TOTAL DIR/IND/IND REQ	3.21172002	3.15448071	3.16775115	3.18963712	3.04038342	3.25567007	3.08456426	2.85477169

APPENDIX TABLE 6. FINAL DEMAND AND OUTPUT MULTIPLIERS--TYPE 1
(TEXAS, 1979)

	MULTIPLIER (FINAL DEMAND)	DIAGONAL COEFFICIENT	MULTIPLIER (OUTPUT)
1	IRR COTTON	1.017382	1.780748
2	IRR FOOD GRAIN	1.036223	1.841926
3	IRR FEED GRAIN	1.011011	1.835554
4	OTHER IRR CROP	1.015257	1.698517
5	DRYLAND COTTON	1.020238	1.655799
6	DRY FOOD GRAIN	1.083028	1.720797
7	DRY FEED GRAIN	1.000088	1.711050
8	OTHER DRY CROP	1.016781	1.816580
9	RANGE LIVESTOCK	1.002780	1.656979
10	FEEDLOT LVSTK	1.000382	1.948325
11	DAIRY	1.017741	1.934781
12	POULTRY,EGGS	1.083530	2.057258
13	AG SUP EX FMC	1.000024	1.383144
14	COTTON GINNING	1.000006	1.606299
15	AGRI SERVICES	1.037698	1.822871
16	PRIM FORESTRY	1.226654	1.569897
17	FISHERIES	1.001942	1.700051
18	CRUDE PETRO	1.006355	1.419246
19	NATRL GAS LQDS.	1.000539	1.499948
20	OIL,GAS FLOSV	1.032631	1.451395
21	LIGNITE,OTH MINE	1.003553	1.559929
22	RES CONSTRUCT	1.000003	1.624195
23	COMM,ED,INST	1.001118	1.671777
24	INDUS CONS	1.000000	1.622344
25	FACILITY CONS	1.000727	1.762823
26	MAINTEN,REPR	1.005979	1.553638
27	MEAT PRODUCTS	1.124866	1.896403
28	POULTRY PROD	1.012482	2.316452
29	DAIRIES	1.011433	2.091919
30	OTH GRAIN MIL	1.000544	1.922494
31	ANIMAL FEEDS	1.062078	1.702091
32	BAKERY PROD	1.037862	1.721722
33	CNND,PSUP,PCK	1.000336	1.935874
34	OTH FOOD PROD	1.010940	1.240411
35	BEVERAGES	1.029811	1.772996
36	TEXTILE MILL	1.041653	1.517985
37	MWMC FURN	1.002145	1.258689
38	RELATED APPRL	1.005783	1.464541
39	L066ING	1.422733	1.424642
40	LUMBER MILLS	1.039206	1.509955
41	MILLWORK,WOOD	1.019037	1.773681
42	WOOD FURN,FIX	1.000278	1.702166
43	MET FURN,FXIT	1.000039	1.425783
44	PAPER,PAP MIL	1.000632	1.596720
45	PAP EX BOX,CT	1.041453	1.395326
46	BOXES,PAP CNT	1.000376	1.512949
47	NEWSPAPERS	1.000557	1.459116
48	PUBLISHING	1.066057	1.634493
49	PRINTING	1.009375	1.354196
50	MANFLD BUS FM	1.000341	1.467707

APPENDIX TABLE 6. FINAL DEMAND AND OUTPUT MULTIPLIERS--TYPE 1
(TEXAS, 1979)

	MULTIPLIER (FINAL DEMAND)	DIAGONAL COEFFICIENT	MULTIPLIER (OUTPUT)
51 OTH PRNT,PUBS	1.362785	1.018262	1.338343
52 CHLOR,ALKALIE	1.969345	1.011649	1.946669
53 CYCCRD INT,IG	2.245101	1.001023	2.242806
54 ORG CHEM	2.057168	1.221413	1.684252
55 INORG CHEM	1.566993	1.089994	1.437616
56 FIBERS,PLASTI	1.729542	1.020487	1.694820
57 SYN RUBBER	2.308215	1.038349	2.222966
58 DRUGS	1.458782	1.004145	1.452761
59 AGRI CHEMICAL	1.826867	1.050309	1.739362
60 SPS,CLNS,TOIL	1.923067	1.002934	1.917441
61 PAINT*VARNISH	1.863374	1.001169	1.861197
62 OTH CHEMICALS	2.155536	1.007891	2.138659
63 PETRO REFING	1.792451	1.117917	1.603385
64 OTH PETRO PRD	1.973004	1.014365	1.945063
65 TIRES	1.754274	1.001233	1.752113
66 FAB RUBBER PR	1.347834	1.000255	1.347491
67 PLASTIC PRODS	1.619703	1.005328	1.611119
68 LEATHER,L PRD	1.501028	1.117273	1.343474
69 GLASS	1.585980	1.005710	1.576975
70 CLAY	1.671945	1.004102	1.665114
71 CUT ST,CL,SH	1.623594	1.008588	1.609769
72 CEMENT,CONCRT	1.797229	1.091510	1.646554
73 BLAST FURNACE	1.673699	1.095129	1.528312
74 PRI STEEL,IRO	1.351092	1.000223	1.350791
75 FOUNDRIES	1.591152	1.006679	1.580596
76 NONFER SHELTG	1.612002	1.064537	1.514275
77 AL SMLT ROL DR	1.754258	1.207529	1.452767
78 CAST,FORGINGS	1.555912	1.000865	1.554567
79 FABRI STEEL	1.634349	1.030314	1.586263
80 PLATE WORK	1.551389	1.002002	1.548289
81 SH MET,ARCH	1.507565	1.075196	1.402130
82 METAL DOORS	1.857749	1.001663	1.854665
83 FAB MET PROD	1.493224	1.002795	1.489062
84 PLUMBING	1.375578	1.000060	1.375495
85 BOLTS,NUTS,SC	1.337778	1.006144	1.329609
86 ELCTPLT,CT,EN	1.593892	1.014016	1.571860
87 VALVE,PIPE FT	1.359105	1.010595	1.344857
88 OTH FAB MET P	1.470740	1.039594	1.414725
89 FM,CONS,IND M	1.440412	1.000270	1.440024
90 HTL HDL HC,EQ	1.307944	1.000182	1.307706
91 MIN MACH,EQUP	1.432577	1.011709	1.415997
92 ENGINES	1.287487	1.000179	1.287257
93 METAL WK MACH	1.358930	1.000424	1.358353
94 IND PROC MACH	1.505380	1.017698	1.479201
95 GEN IND MACH	1.528463	1.003681	1.522555
96 REFRIG MACH	1.471081	1.013676	1.451233
97 COMPU,ACCT MACH	1.631041	1.018867	1.600838
98 ELEC INST,AP	1.402181	1.012407	1.384997
99 ELEC HSLD EQ	1.318764	1.000032	1.318722
100 ELEC COMM EQ	1.306298	1.047306	1.247294

APPENDIX TABLE 6. FINAL DEMAND AND OUTPUT MULTIPLIERS--TYPE 1
(TEXAS, 1979)

	MULTIPLIER (FINAL DEMAND)	DIAGONAL COEFFICIENT	MULTIPLIER (OUTPUT)
101 OTH ELEC APP	1.817522	1.019862	1.782126
102 AIRCRAFT	1.208080	1.001925	1.205758
103 AIRCRAFT ENG	1.242708	1.010080	1.230307
104 OTH AIRCRAFT	1.373602	1.000235	1.373279
105 MOTOR VHCL,P	1.407986	1.027290	1.370582
106 SHIP,BT BLDG	1.539829	1.001552	1.537442
107 OTH TRANS EQ	1.724881	1.022029	1.687703
108 SCIENTIF INS	1.844529	1.124675	1.640055
109 MECH MSRG DV	1.353495	1.030041	1.314020
110 MEDICAL INST	1.611682	1.000659	1.610620
111 PHO, TM, OPT I	1.532679	1.003144	1.527876
112 GAMES, TOYS	1.745961	1.001464	1.743409
113 OTH MFG IND	1.575614	1.004049	1.569260
114 RAIL TRANS	1.395623	1.032050	1.352282
115 INTERCTY HGY	1.457317	1.000634	1.456394
116 MOTOR FRT STR	1.597443	1.056586	1.511890
117 WATER TRANS	1.618756	1.037695	1.559955
118 AIR TRANS	1.574726	1.009169	1.560419
119 PIPELINE TRN	1.476211	1.015322	1.453934
120 LOC,SUB TRAN	1.449281	1.000003	1.449277
121 OTH TRAN SER	1.519721	1.005768	1.511006
122 TELEP,TELEGR	1.287538	1.001877	1.285126
123 RADIO, TV	1.476608	1.002550	1.472851
124 OTH COMMUNIC	1.649255	1.084085	1.521334
125 GAS SERVICES	1.913443	1.016685	1.882041
126 ELEC SERVICES	1.800919	1.006621	1.789074
127 WATER,SANI SERV	1.636779	1.145902	1.428376
128 WHL AUT PT,S	1.597005	1.002757	1.592615
129 WHL GRO,RELP	1.458441	1.000695	1.457428
130 WHL FM PROD	1.664092	1.009127	1.649041
131 WHL LIVESTOC	1.364334	1.000977	1.363003
132 WHL MAC,EQ,S	1.496135	1.007049	1.485662
133 WHL PET,PETP	1.421922	1.004234	1.415927
134 GEN WHL	1.393850	1.009104	1.381275
135 LUMBER YARDS	1.469094	1.000723	1.468032
136 FARM EQ DEAL	1.410018	1.002493	1.406511
137 HW,HT,E,P,W	1.565529	1.000207	1.565204
138 DEPT,VAR STO	1.477463	1.001875	1.474697
139 FOOD STORES	1.544468	1.001930	1.541493
140 AUTO DEAL,RP	1.311426	1.026700	1.277322
141 GAS SER STAT	1.584542	1.010195	1.568550
142 APPRL ACC ST	1.400205	1.000213	1.399907
143 FURN,HH F,EQ	1.645815	1.003055	1.640801
144 EAT,DRINK PL	1.777150	1.002390	1.772912
145 OTHER RETAIL	1.413337	1.001036	1.411874
146 BANK,CRD AGE	1.312620	1.062902	1.234939
147 INSURANCE CA	1.450122	1.105132	1.312170
148 F.I.R.E. NEC	1.572050	1.061461	1.481025
149 LEGAL SERVIC	1.476910	1.003694	1.471475
150 LODGING SERV	1.650559	1.002804	1.645944

APPENDIX TABLE 6. FINAL DEMAND AND OUTPUT MULTIPLIERS--TYPE 1
(TEXAS, 1979)

	MULTIPLIER (FINAL DEMAND)	DIAGONAL COEFFICIENT	MULTIPLIER (OUTPUT)
151 PERSONAL SER	1.567659	1.004844	1.560102
152 ADVERTISING	1.641980	1.003088	1.636925
153 DUPL, ADDRESS	1.401921	1.001939	1.399207
154 PRI EMPL AGE	1.268343	1.000894	1.267210
155 PHOTO SERVIC	1.432033	1.023509	1.399141
156 RESRCH, DEVEL	1.457686	1.000051	1.457612
157 OTHER BUS SE	1.362936	1.005954	1.354869
158 MTN PCI, AM, R	1.408035	1.010381	1.393568
159 AUTO RENT SE	1.765179	1.002959	1.759972
160 AUTO PARKING	1.744618	1.000032	1.744562
161 ELEC REP SHP	1.423247	1.004427	1.416974
162 MISC REP SER	1.295739	1.002062	1.293073
163 PHYS, DENT SE	1.295251	1.000738	1.294296
164 HOSP, LAB SER	1.627936	1.051789	1.547778
165 OTH MED SERV	1.413384	1.000030	1.413342
166 ED (PUB, PRI)	1.387502	1.004556	1.381209
167 COLL, UNIV	1.348793	1.001374	1.346943
168 OTH ED SERV	1.276425	1.000031	1.276385
169 ENG, ARCH SER	1.440765	1.007043	1.430688
170 COMPU, ACCT SERV	1.408949	1.010711	1.394017
171 OTH PROF SER	1.272985	1.000017	1.272963
172 OTHER SERVIC	1.700482	1.019756	1.667538
173 ORD, ORD ACCS	1.544287	1.004632	1.537166
174 OUTDOOR REC	1.298920	1.000104	1.298786
175 SCRAP	1.500954	1.000039	1.500895

APPENDIX TABLE 6. FINAL DEMAND AND OUTPUT MULTIPLIERS--TYPE 2
(TEXAS, 1979)

	MULTIPLIER (FINAL DEMAND)	DIAGONAL COEFFICIENT	MULTIPLIER (OUTPUT)
1	IRR COTTON	1.017568	3.191142
2	IRR FOOD GRAIN	1.036458	2.992908
3	IRR FEED GRAIN	1.011601	3.068568
4	OTHER IRR CROP	1.017442	3.007414
5	DRYLAND COTTON	1.020377	3.294368
6	DRY FOOD GRAIN	1.083161	2.858534
7	DRY FEED GRAIN	1.000536	2.980819
8	OTHER DRY CROP	1.018391	3.260691
9	RANGE LIVESTOCK	1.008013	3.278915
10	FEEDLOT LVSTK	1.003614	2.890322
11	DAIRY	1.020038	3.325431
12	POULTRY,EGGS	1.084729	2.955370
13	A6 SUP EX FMC	1.000931	2.914828
14	COTTON GINNING	1.000046	3.092607
15	AGRI SERVICES	1.038295	2.823055
16	PRIM FORESTRY	1.226903	2.395287
17	FISHERIES	1.002315	3.088765
18	CRUDE PETRO	1.019722	2.596247
19	NATRL GAS LQDS.	1.001318	2.319898
20	OIL,GAS FLDSV	1.036425	2.976259
21	LIGNITE,OTH MINE	1.004241	2.750795
22	RES CONSTRUCT	1.000003	2.859820
23	COMM,ED,INST	1.001121	3.015787
24	INDUS CONS	1.000000	3.039362
25	FACILITY CONS	1.000739	3.071560
26	MAINTEN,REPR	1.014213	3.009616
27	HEAT PRODUCTS	1.139695	2.761053
28	POULTRY PROD	1.013730	3.303395
29	DAIRIES	1.015940	3.272685
30	OTH GRAIN MIL	1.001019	2.854679
31	ANIMAL FEEDS	1.063063	2.540378
32	BAKERY PROD	1.040880	2.885957
33	CNND,PSWP,PCK	1.002116	2.873731
34	OTH FOOD PROD	1.013610	1.613555
35	BEVERAGES	1.035987	2.531676
36	TEXTILE MILL	1.041945	2.676500
37	MBWMC FURN	1.005118	2.362923
38	RELATED APPRL	1.006253	2.504408
39	LOGGING	1.422944	2.368601
40	LUMBER MILLS	1.039325	2.349198
41	MILLWORK,WOOD	1.019952	2.664342
42	WOOD FURN,FIX	1.000892	2.912837
43	MET FURN,FIXT	1.000202	2.220014
44	PAPER,PAP MIL	1.001314	2.623807
45	PAP EX BOX,CT	1.042095	2.395245
46	BOXES,PAP CNT	1.001523	2.457666
47	NEWSPAPERS	1.003589	2.489302
48	PUBLISHING	1.066362	2.814450
49	PRINTING	1.010812	2.538700
50	MANFLD BUS FM	1.000667	2.595794

APPENDIX TABLE 6. FINAL DEMAND AND OUTPUT MULTIPLIERS--TYPE 2
(TEXAS, 1979)

	MULTIPLIER (FINAL DEMAND)	DIAGONAL COEFFICIENT	MULTIPLIER (OUTPUT)
51	OTH PRNT,PUBS	1.018525	2.821238
52	CHLOR,ALKALIE	1.011939	2.763263
53	CYCCRD INT,IG	1.001291	3.11802
54	ORG CHEM	1.223669	2.318585
55	INORG CHEM	1.090452	1.999933
56	FIBERS,PLASTI	1.020857	2.314837
57	SYN RUBBER	1.038434	3.095379
58	DRUGS	1.004456	2.565982
59	AGRI CHEMICAL	1.051235	2.504844
60	SPS,CLNS,TOIL	1.003612	2.879181
61	PAINT+VARNISH	1.001744	2.857159
62	OTH CHEMICALS	1.008430	3.189332
63	PETRO REFING	1.134854	2.152444
64	OTH PETRO PRD	1.014459	2.888172
65	TIRES	1.001753	2.730757
66	FAB RUBBER PR	1.000365	2.252232
67	PLASTIC PRODS	1.006964	2.506661
68	LEATHER,L PRD	1.117534	2.477069
69	GLASS	1.006544	2.787654
70	CLAY	1.008333	2.891140
71	CUT ST,CL,SH	1.009020	2.661730
72	CEMENT,CONCRT	1.091822	2.678006
73	BLAST FURNACE	1.095346	2.269120
74	PRI STEEL,IRO	1.000292	2.090598
75	FOUNDRIES	1.006948	2.833087
76	NONFER SMELT6	1.064789	2.537227
77	AL SMLT ROL DR	1.207972	2.159635
78	CAST,FORGINGS	1.000931	3.042197
79	FABRI STEEL	1.030438	2.628688
80	PLATE WORK	1.002052	2.839789
81	SH MET,ARCH	1.075776	2.305824
82	METAL DOORS	1.001756	2.980124
83	FAB MET PRD	1.003957	2.186288
84	PLUMBING	1.000169	2.226458
85	BOLTS,NUTS,SC	1.006361	2.119020
86	ELCTPLT,CT,EN	1.014129	3.027162
87	VALVE,PIPE FT	1.011101	2.769187
88	OTH FAB MET P	1.040085	2.506528
89	FM,CONS,IND M	1.000435	2.527994
90	MTL HDL MC,EQ	1.000224	2.592312
91	MIN MACH,EQU	1.011882	2.580537
92	ENGINES	1.000216	1.974169
93	METAL WK MACH	1.000558	3.075500
94	IND PROC MACH	1.017870	2.700836
95	GEN IND MACH	1.004498	2.719551
96	REFRIG MACH	1.013761	2.377710
97	COMPU,ACCT MACH	1.019273	2.799716
98	ELEC INST,AP	1.012843	2.419468
99	ELEC HSLD EQ	1.000212	2.361683
100	ELEC COMM EQ	1.047898	2.522377

APPENDIX TABLE 6. FINAL DEMAND AND OUTPUT MULTIPLIERS--TYPE 2
(TEXAS, 1979)

	MULTIPLIER (FINAL DEMAND)	DIAGONAL COEFFICIENT	MULTIPLIER (OUTPUT)
101 OTH ELEC APP	2.905466	1.020049	2.848361
102 AIRCRAFT	2.110553	1.001931	2.106485
103 AIRCRAFT ENG	2.782218	1.010081	2.754451
104 OTH AIRCRAFT	2.647597	1.000278	2.646861
105 MOTOR VHCL,P	2.229553	1.030147	2.164306
106 SHIP,BT,BLDG	2.870835	1.001809	2.865650
107 OTH TRANS EQ	2.871397	1.023189	2.806321
108 SCIENTIF INS	3.233950	1.124733	2.875304
109 MECH MSRG DV	2.215916	1.030065	2.151240
110 MEDICAL INST	2.712426	1.001163	2.709275
111 PHO, TM, OPT I	2.932530	1.003390	2.922622
112 GAMES, TOYS	2.990307	1.001596	2.985542
113 OTH MFG IND	2.894362	1.004941	2.880132
114 RAIL TRANS	2.955849	1.034460	2.857383
115 INTERCTY HGY	2.701827	1.001396	2.698059
116 MOTOR FRT STR	3.147773	1.070018	2.941795
117 WATER TRANS	3.086978	1.039055	2.970949
118 AIR TRANS	2.827098	1.014960	2.785427
119 PIPELINE TRN	2.231596	1.015840	2.196798
120 LOC SUB TRAN	3.146298	1.000991	3.143183
121 OTH TRAN SER	2.913731	1.006258	2.895612
122 TELEP, TELEGR	2.424777	1.008608	2.404082
123 RADIO, TV	2.888025	1.003866	2.876903
124 OTH COMMUNIC	3.080215	1.084396	2.840489
125 GAS SERVICES	2.867965	1.027244	2.791903
126 ELEC SERVICES	2.836919	1.019974	2.781363
127 WATER, SANI SERV	3.124472	1.151540	2.713300
128 WHL AUT PT, S	2.919347	1.014714	2.877015
129 WHL GRO, RELP	2.992459	1.013700	2.952017
130 WHL FM PROD	2.894957	1.009795	2.866877
131 WHL LIVESTOC	3.040826	1.001230	3.037091
132 WHL MAC, EQ, S	2.970382	1.011376	2.936970
133 WHL PET, PETP	2.771525	1.014600	2.731644
134 6EN WHL	2.845949	1.040247	2.735840
135 LUMBER YARDS	3.099153	1.003525	3.088266
136 FARM EQ DEAL	2.360795	1.003605	2.352315
137 HDW, HT, E, P, W	3.006779	1.000843	3.004285
138 DEPT, VAR STO	2.808357	1.015551	2.765352
139 FOOD STORES	2.875801	1.018727	2.822935
140 AUTO DEAL, RP	2.396329	1.036854	2.311153
141 GAS SER STAT	2.385830	1.011738	2.358150
142 APPRL ACC ST	2.832178	1.008495	2.808322
143 FURN, HM F, EQ	2.921178	1.007767	2.898664
144 EAT, DRINK PL	3.111522	1.020638	3.048604
145 OTHER RETAIL	2.805663	1.014091	2.766678
146 BANK, CRD AGE	2.985181	1.122195	2.660128
147 INSURANCE CA	3.035707	1.122079	2.705430
148 F.I.R.E. NEC	2.754474	1.089969	2.527113
149 LEGAL SERVIC	3.076382	1.008855	3.049380
150 LODGING SERV	2.882195	1.007203	2.861583

APPENDIX TABLE 6. FINAL DEMAND AND OUTPUT MULTIPLIERS--TYPE 2
(TEXAS, 1979)

	MULTIPLIER (FINAL DEMAND)	DIAGONAL COEFFICIENT	MULTIPLIER (OUTPUT)
151 PERSONAL SER	2.935839	1.012595	2.899322
152 ADVERTISING	3.359734	1.004161	3.345811
153 DUPL, ADDRESS	2.776514	1.002371	2.769946
154 PRI EMPL AGE	3.419894	1.001656	3.414241
155 PHOTO SERVIC	2.684055	1.025431	2.617489
156 RESRCH, DEVEL	3.036220	1.000122	3.035850
157 OTHER BUS SE	3.241852	1.011084	3.206313
158 MTN PCT, AM, R	3.084001	1.017489	3.030991
159 AUTO RENT SE	2.696027	1.003786	2.685859
160 AUTO PARKING	3.216074	1.000490	3.214500
161 ELEC REP SHP	2.909869	1.005882	2.892852
162 MISC REP SER	3.088254	1.005728	3.070666
163 PHYS, DENT SE	3.401513	1.017136	3.344208
164 HOSP, LAB SER	3.359088	1.083193	3.101097
165 OTH MED SER	2.748431	1.010803	2.719058
166 ED (PUB, PRI)	3.518182	1.026923	3.425945
167 COLL, UNIV	3.160198	1.012574	3.120955
168 OTH ED SER	3.209168	1.002785	3.200257
169 ENG, ARCH SER	3.211720	1.009054	3.182901
170 COMPU, ACCT SER	3.154481	1.017618	3.099866
171 OTH PROF SER	3.167751	1.000118	3.167377
172 OTHER SERVIC	3.189637	1.033587	3.085988
173 ORD, ORD ACCS	3.040383	1.004640	3.026342
174 OUTDOOR REC	3.255670	1.001349	3.251283
175 SCRAP	3.084564	1.000143	3.084124
176 HOUSEHOLDS	2.854772	1.489077	1.917142

APPENDIX TABLE 7. INCOME MULTIPLIERS--TYPE 1
(TEXAS, 1979)

	DIRECT EFFECT (PER \$1.00)	TOTAL EFFECT (FINAL DEMAND)	MULTIPLIER (FINAL DEMAND)	TOTAL EFFECT (OUTPUT)	MULTIPLIER (OUTPUT)
1 IRR COTTON	.301960	.502843	1.665263	.494252	1.636812
2 IRR FOOD GRAIN	.209284	.418030	1.997428	.403417	1.927604
3 IRR FEED GRAIN	.298328	.437303	1.760989	.432540	1.741810
4 OTHER IRR CROP	.276607	.467792	1.691180	.460762	1.665766
5 DRYLAND COTTON	.406747	.585752	1.440090	.574133	1.411523
6 DRY FOOD GRAIN	.232390	.431762	1.857920	.398662	1.715486
7 DRY FEED GRAIN	.279420	.445295	1.593639	.445256	1.593499
8 OTHER DRY CROP	.287637	.516187	1.794580	.507668	1.764962
9 RANGE LIVESTOCK	.399134	.575738	1.442468	.574142	1.438469
10 FEEDLOT LVSTK	.044530	.333371	7.486411	.333244	7.483553
11 DAIRY	.245810	.498450	2.027781	.497761	1.992434
12 POULTRY,EGGS	.072524	.342120	4.717365	.315746	4.353702
13 AG SUP EX FMC	.427282	.537474	1.257889	.537460	1.257858
14 COTTON GINNING	.331498	.520686	1.570708	.520683	1.570698
15 AGR SERVICES	.171287	.364153	2.125982	.350924	2.048748
16 PRIM FORESTRY	.113280	.354867	3.132645	.289297	2.553814
17 FISHERIES	.302650	.487802	1.611769	.486856	1.608644
18 CRUDE PETRO	.264422	.427069	1.615105	.424372	1.604906
19 NATRL GAS LQDS.	.136355	.288008	2.112192	.287853	2.111054
20 OIL,GAS FLDSV	.381055	.555311	1.457877	.537976	1.411809
21 LIGNITE,OTH MINE	.254124	.419294	1.649960	.417810	1.644118
22 RES CONSTRUCT	.214431	.432829	2.018501	.432828	2.018494
23 COMM,ED,INST	.299198	.471323	1.575292	.470797	1.573533
24 INDUS CONS	.309211	.496368	1.605276	.496368	1.605275
25 FACILITY CONS	.258035	.458784	1.777990	.458451	1.776698
26 MAINTEN,REPR	.372920	.521745	1.399081	.518644	1.390765
27 MEAT PRODUCTS	.091530	.355040	3.878947	.315629	3.448363
28 POULTRY PROD	.114303	.351477	3.074954	.347144	3.037046
29 DAIRIES	.133471	.423507	3.173022	.418720	3.137156
30 OTH GRAIN MIL	.103067	.327188	3.174516	.327010	3.172789
31 ANIMAL FEEDS	.118074	.312750	2.648756	.294470	2.493938
32 BAKERY PROD	.242008	.426313	1.761570	.410761	1.697308
33 CNND,PSVP,PCK	.083527	.330425	3.955921	.330314	3.954592
34 OTH FOOD PROD	.069125	.133648	1.933425	.132202	1.912501
35 BEVERAGES	.097804	.279158	2.854266	.271077	2.771641
36 TEXTILE MILL	.256922	.422994	1.646389	.406080	1.560554
37 HBWMC FURN	.312844	.390093	1.246926	.389258	1.244257
38 RELATED APRRL	.241993	.366774	1.515638	.364665	1.506923
39 LOGGING	.191216	.470616	2.461180	.330783	1.729896
40 LUMBER MILLS	.164893	.305603	1.853339	.294074	1.783419
41 MILLWORK,WOOD	.129503	.318783	2.461586	.312827	2.415599
42 WOOD FURN,FIX	.253800	.424831	1.673878	.424712	1.673412
43 MET FURN,FIXT	.165498	.278349	1.681889	.278339	1.681824
44 PAPER,PAP MIL	.209014	.360633	1.725806	.360406	1.724316
45 PAP EX BOX,CT	.240020	.365320	1.522043	.350780	1.461462
46 BOXES,PAP CNT	.196157	.332038	1.692711	.331913	1.692075
47 NEWSPAPERS	.244820	.363710	1.485623	.363507	1.484796
48 PUBLISHING	.214076	.440932	2.059702	.413611	1.932075
49 PRINTING	.321565	.420088	1.306386	.416186	1.294252
50 MANFLD BUS FM	.263717	.395589	1.500051	.395455	1.499540

APPENDIX TABLE 7. INCOME MULTIPLIERS--TYPE 1
(TEXAS, 1979)

	DIRECT EFFECT (PER \$1.00)	TOTAL EFFECT (FINAL DEMAND)	MULTIPLIER (FINAL DEMAND)	TOTAL EFFECT (OUTPUT)	MULTIPLIER (OUTPUT)
51 OTH PRNT,PUBS	.423980	.529190	1.248151	.519699	1.225765
52 CHLOR,ALKALIE	.083437	.289658	3.471561	.286323	3.431586
53 CYCRD INT,16	.085529	.305005	3.566097	.304693	3.562451
54 ORG CHEM	.065252	.273231	4.187343	.22701	3.428277
55 INORG CHEM	.079564	.215022	2.702493	.197269	2.479365
56 FIBERS,PLASTI	.076575	.221935	2.898260	.217480	2.840076
57 SYN RUBBER	.087997	.317410	3.607036	.305687	3.473817
58 DRUGS	.271717	.391847	1.442112	.390230	1.443160
59 AGR CHEMICAL	.109861	.282444	2.570912	.268915	2.447768
60 SPS,CLNS,TOIL	.141655	.338561	2.390043	.337571	2.383051
61 PAINT+VARNISH	.189977	.349859	1.841587	.349450	1.839435
62 OTH CHEMICALS	.140462	.371547	2.645180	.368638	2.624469
63 PETRO REFING	.037196	.227780	6.123745	.203754	5.477819
64 OTH PETRO PRD	.114316	.335203	2.932261	.330456	2.890736
65 TIRES	.208401	.343730	1.649368	.343306	1.647336
66 FAB RUBBER PR	.236198	.317090	1.342478	.317009	1.342136
67 PLASTIC PRODS	.187597	.316808	1.688764	.315129	1.679814
68 LEATHER,L PRD	.301949	.443881	1.470052	.397290	1.315749
69 GLASS	.282656	.427325	1.511822	.424899	1.503238
70 CLAY	.240348	.431461	1.795150	.429699	1.787816
71 CUT ST,CL,SH	.189567	.379128	1.999965	.375900	1.982935
72 CEMENT,CONCRT	.172487	.394665	2.288080	.361577	2.096253
73 BLAST FURNACE	.116410	.284357	2.442707	.259656	2.230520
74 PRI STEEL,IRO	.161299	.259256	1.607303	.259198	1.606945
75 FOUNDRIES	.278650	.441934	1.585983	.439002	1.575461
76 NONFER SMELTG	.211002	.381680	1.808892	.358541	1.699230
77 AL SHLT ROL DR	.139316	.299330	2.148566	.247887	1.779308
78 CAST,FRGINGS	.354074	.521624	1.473207	.521173	1.471934
79 FABRI STEEL	.199894	.376335	1.882670	.365262	1.827278
80 PLATE WORK	.310831	.453356	1.458529	.452450	1.455615
81 SH MET,ARCH	.200410	.340828	1.700653	.316991	1.581714
82 METAL DOORS	.205894	.394991	1.918415	.394335	1.915230
83 FAB MET PROD	.117475	.245804	2.092393	.245119	2.086562
84 PLUMBING	.185201	.298187	1.610072	.298169	1.609976
85 BOLTS,NUTS,SC	.179005	.278384	1.555168	.276684	1.545672
86 ELCTPLT,CT,EN	.377138	.517044	1.370968	.509897	1.352017
87 VALVE,PIPE FT	.397196	.504707	1.270674	.499416	1.257352
88 OTH FAB MET P	.256949	.398022	1.499030	.382863	1.490034
89 FM,CONS,IND M	.266703	.381355	1.429886	.381252	1.429500
90 MTL HDL MC,EQ	.352838	.450106	1.275673	.450024	1.275441
91 MIN MACH,EQU	.291625	.412860	1.415725	.408082	1.399340
92 ENGINES	.149020	.240688	1.615139	.240645	1.614851
93 METAL MK MACH	.499074	.601900	1.206033	.601645	1.205521
94 IND PROC MACH	.289244	.435663	1.506217	.428087	1.480023
95 GEN IND MACH	.277823	.421512	1.517197	.419882	1.511332
96 REFRIG MACH	.199894	.329062	1.646179	.324622	1.623969
97 COMPU,ACCT MACH	.262781	.428277	1.629789	.420346	1.599609
98 ELEC INST,AP	.256993	.367231	1.428953	.362730	1.411442
99 ELEC HSLD EQ	.244653	.365500	1.493954	.365489	1.493907
100 ELEC COMM EQ	.377583	.468302	1.2420263	.447149	1.184242

APPENDIX TABLE 7. INCOME MULTIPLIERS--TYPE 1
(TEXAS, 1979)

	DIRECT EFFECT (PER \$1.00)	TOTAL EFFECT (FINAL DEMAND)	MULTIPLIER (FINAL DEMAND)	TOTAL EFFECT (OUTPUT)	MULTIPLIER (OUTPUT)
101 OTH ELEC APP	.178997	.381097	2.129071	.373675	2.087607
102 AIRCRAFT	.253199	.316128	1.248536	.315521	1.246137
103 AIRCRAFT ENG	.469576	.539276	1.148432	.533894	1.136971
104 OTH AIRCRAFT	.325031	.446268	1.373005	.446163	1.372681
105 MOTOR VHCL,P	.188127	.287787	1.529754	.280142	1.489116
106 SHIP,BT BLDG	.329881	.466239	1.413357	.465516	1.411166
107 OTH TRANS EQ	.207770	.401614	1.932970	.392957	1.891306
108 SCIENTIF INS	.256497	.486701	1.897491	.432748	1.687146
109 MECH HSRG DV	.199350	.302098	1.515413	.293288	1.471217
110 MEDICAL INST	.222281	.385581	1.734650	.385327	1.733508
111 PHO,TH,OPT I	.342290	.490355	1.429649	.488818	1.425168
112 GAMES,TOYS	.282424	.435883	1.543364	.435245	1.541108
113 OTH MFG IND	.310582	.461945	1.487353	.460082	1.481355
114 RAIL TRANS	.443681	.546533	1.231816	.529561	1.193563
115 INTERCTY HGV	.307619	.435940	1.417145	.435664	1.416247
116 MOTOR FRT STR	.381161	.543066	1.424769	.513982	1.348464
117 WATER TRANS	.355447	.514304	1.446922	.495622	1.394362
118 AIR TRANS	.301300	.438694	1.456004	.434709	1.442776
119 PIPELINE TRN	.124528	.264604	2.124856	.260611	2.092791
120 LOC,SUB TRAN	.496123	.594449	1.198188	.594447	1.198185
121 OTH TRAN SER	.321595	.488309	1.518395	.485509	1.509687
122 TELEP,TELEGR	.300418	.398364	1.326035	.397618	1.323550
123 RADIO, TV	.323748	.494406	1.527133	.493149	1.523248
124 OTH COMMUNIC	.287268	.501252	1.744896	.462373	1.609557
125 GAS SERVICES	.045007	.334360	7.429090	.328873	7.307167
126 ELEC SERVICES	.184012	.362901	1.972160	.360514	1.959189
127 WATER,SANI SERV	.339064	.521125	1.536952	.454773	1.341259
128 WHL AUT PT,S	.463575	.463204	1.633442	.461930	1.628951
129 WHL GRO,REL	.400129	.537352	1.342947	.536979	1.342014
130 WHL FM PROD	.211071	.431161	2.042729	.427261	2.024253
131 WHL LIVESTOC	.480104	.587260	1.223193	.586687	1.222000
132 WHL MAC,EQ,S	.374480	.516415	1.379019	.512800	1.369367
133 WHL PET,PETP	.354563	.472753	1.333342	.470760	1.327721
134 GEN WHL	.387267	.508657	1.313453	.504068	1.301603
135 LUMBER YARDS	.425192	.570994	1.342910	.570582	1.341940
136 FARM EQ DEAL	.204060	.333049	1.632111	.332220	1.628052
137 HDV,HT,E,P,W	.323853	.504856	1.558906	.504752	1.558583
138 DEPT,VAR STO	.315293	.466200	1.478622	.465327	1.475854
139 FOOD STORES	.295506	.466354	1.578154	.465455	1.575114
140 AUTO DEAL,RP	.281175	.380031	1.351584	.370148	1.316435
141 GAS SER STAT	.156439	.280684	1.794205	.277851	1.776098
142 APPRL ACC ST	.378110	.501607	1.326617	.501500	1.326335
143 FURN,HM F,EQ	.240044	.446748	1.861109	.445387	1.855440
144 EAT,DRINK PL	.272425	.467418	1.715768	.466304	1.711676
145 OTHER RETAIL	.356012	.487719	1.369951	.487214	1.368533
146 BANK,CRD AGE	.471016	.585883	1.243870	.551210	1.170258
147 INSURANCE CA	.396557	.555416	1.400595	.502579	1.267355
148 F.I.R.E. NEC	.206892	.414192	2.001970	.390209	1.886051
149 LEGAL SERVIC	.415842	.560280	1.347340	.558218	1.342382
150 LODGING SERV	.230597	.431431	1.870927	.430224	1.865695

APPENDIX TABLE 7. INCOME MULTIPLIERS--TYPE 1
(TEXAS, 1979)

	DIRECT EFFECT (PER \$1.00)	TOTAL EFFECT (FINAL DEMAND)	MULTIPLIER (FINAL DEMAND)	TOTAL EFFECT (OUTPUT)	MULTIPLIER (OUTPUT)
151 PERSONAL SER	.312501	.479260	1.533627	.476950	1.526234
152 ADVERTISING	.396404	.601713	1.517928	.599861	1.513255
153 DUPL, ADDRESS	.353347	.481507	1.362703	.480575	1.360065
154 PRI EMPL AGE	.672236	.753668	1.121137	.752995	1.120136
155 PHOTO SERVIC	.301363	.438572	1.455293	.428498	1.421866
156 RESRCH, DEVEL	.423534	.552946	1.305551	.552917	1.305484
157 OTHER BUS SE	.549357	.658167	1.198068	.654271	1.190976
158 MN PCT, AM, R	.457031	.587075	1.289541	.581044	1.271343
159 AUTO RENT SE	.154568	.326067	2.109537	.325105	2.103314
160 AUTO PARKING	.289042	.515437	1.783260	.515421	1.783203
161 ELEC REP SHP	.389964	.520750	1.333380	.518455	1.329495
162 MISC REP SER	.536907	.627901	1.169479	.626609	1.167072
163 PHYS, DENT SE	.642123	.737804	1.149007	.737260	1.148159
164 HOSP, LAB SER	.399948	.606407	1.516213	.576548	1.441556
165 OTH MED SERV	.344127	.467654	1.359958	.467640	1.358917
166 ED (PUB, PRI)	.655300	.746357	1.139955	.742973	1.133789
167 COLL, UNIV	.535111	.634518	1.185769	.633648	1.184142
168 OTH ED SERV	.584185	.677022	1.158917	.677001	1.158881
169 ENG, ARCH SER	.478509	.620349	1.296421	.616011	1.287354
170 COMP, ACCT SER	.477067	.611444	1.281672	.604964	1.268089
171 OTH PROF SER	.582613	.663719	1.139211	.663708	1.139192
172 OTHER SERVIC	.322837	.521637	1.615790	.511531	1.584486
173 ORD, ORD ACCS	.366900	.524069	1.429370	.521652	1.421784
174 OUTDOOR REC	.604166	.685431	1.134508	.685360	1.134390
175 SCRAP	.393126	.554724	1.411058	.554703	1.411004

APPENDIX TABLE 7. INCOME MULTIPLIERS--TYPE 2
(TEXAS, 1979)

	DIRECT EFFECT (PER \$1.00)	TOTAL EFFECT (FINAL DEMAND)	MULTIPLIER (FINAL DEMAND)	TOTAL EFFECT (OUTPUT)	MULTIPLIER (OUTPUT)
1 IRR COTTON	.301960	.748772	2.479706	.735845	2.436895
2 IRR FOOD GRAIN	.209284	.622478	2.974324	.600582	2.869700
3 IRR FEED GRAIN	.248328	.651178	2.622248	.643710	2.592177
4 OTHER IRR CROP	.276607	.696578	2.518298	.684637	2.475126
5 DRYLAND COTTON	.406747	.872230	2.144405	.854811	2.101581
6 DRY FOOD GRAIN	.232390	.642927	2.766586	.593565	2.554178
7 DRY FEED GRAIN	.279420	.663079	2.373052	.662724	2.371781
8 OTHER DRY CROP	.287637	.768642	2.672268	.754761	2.624009
9 RANGE LIVESTOCK	.399134	.857319	2.147946	.850504	2.130872
10 FEEDLOT LVSTK	.044530	.496415	11.147844	.494628	11.107704
11 DAIRY	.245810	.742230	3.019523	.727650	2.960207
12 POULTRY,EGGS	.072524	.509444	7.024520	.469651	6.475830
13 AG SUP EX FHC	.427282	.800340	1.873094	.799595	1.871352
14 COTTON GINNING	.331498	.775342	2.338906	.775306	2.338797
15 AGRY SERVICES	.171287	.542252	3.165752	.522252	3.048991
16 PRIM FORESTRY	.113280	.528424	4.664750	.430698	3.802053
17 FISHERIES	.302650	.726374	2.400048	.724697	2.394505
18 CRUDE PETRO	.264422	.635939	2.405017	.623639	2.354503
19 NATRL GAS LQDS.	.136355	.428867	3.145217	.428302	3.141078
20 OIL,GAS FLDSV	.381055	.827228	2.170892	.798156	2.094596
21 LIGNITE,OTH MINE	.254124	.624361	2.456917	.624725	2.446542
22 RES CONSTRUCT	.214431	.644516	3.005703	.644514	3.005694
23 COMM,ED,INST	.299198	.701837	2.345731	.701051	2.343105
24 INDUS CONS	.309211	.739131	2.390379	.739131	2.390379
25 FACILITY CONS	.258035	.683165	2.647564	.682661	2.645611
26 MAINTEN,REPR	.372920	.776918	2.083339	.766031	2.054144
27 MEAT PRODUCTS	.091530	.528682	5.776051	.463880	5.068068
28 POULTRY PROD	.114303	.523376	4.578844	.516287	4.516828
29 DAIRIES	.133471	.630634	4.724874	.620740	4.650743
30 OTH GRAIN MIL	.103067	.487208	4.727099	.486712	4.722289
31 ANIMAL FEEDS	.118074	.465708	3.944203	.438082	3.710224
32 BAKERY PROD	.242008	.634814	2.623114	.609881	2.520091
33 CNND,PSVP,PCK	.083527	.492028	5.890672	.490989	5.878233
34 OTH FOOD PROD	.069125	.199012	2.879019	.196340	2.840361
35 BEVERAGES	.097804	.415688	4.250222	.401248	4.102583
36 TEXTILE MILL	.256922	.629871	2.451600	.604515	2.352908
37 HSMVC FURN	.312844	.580879	1.856770	.577921	1.847315
38 RELATED APPRL	.241993	.546155	2.256902	.542761	2.242878
39 LOGGING	.191216	.700783	3.664888	.492488	2.575562
40 LUMBER MILLS	.164893	.455067	2.759765	.437848	2.655342
41 MILLWORK,WOOD	.129503	.474692	3.665491	.465407	3.593789
42 WOOD FURN,FIX	.253800	.632605	2.492534	.632042	2.490313
43 MET FURN,FIXT	.165498	.414484	2.504462	.414400	2.503957
44 PAPER,PAP MIL	.209014	.537011	2.569262	.536306	2.565891
45 PAP EX BOX,CT	.240020	.543990	2.266440	.522016	2.174889
46 BOXES,PAP CNT	.196157	.494430	2.520578	.493678	2.516744
47 NEWSPAPERS	.244820	.541592	2.212207	.539655	2.204295
48 PUBLISHING	.214076	.656582	3.067056	.615722	2.876185
49 PRINTING	.321565	.625544	1.945309	.618853	1.924501
50 MANFLD BUS FM	.263717	.589063	2.233692	.588671	2.232203

APPENDIX TABLE 7. INCOME MULTIPLIERS--TYPE 2
(TEXAS, 1979)

	DIRECT EFFECT (PER \$1.00)	TOTAL EFFECT (FINAL DEMAND)	MULTIPLIER (FINAL DEMAND)	TOTAL EFFECT (OUTPUT)	MULTIPLIER (OUTPUT)
51 OTH PRNT,PUBS	.423980	.788005	1.858592	.773673	1.824788
52 CHLOR,ALKALIE	.083437	.431324	5.169422	.426235	5.108433
53 CYCCRD INT,16	.085529	.454176	5.310193	.453590	5.303344
54 ORG CHEM	.065252	.406862	6.235278	.332494	5.095559
55 INORG CHEM	.079564	.320184	4.028221	.293625	3.690417
56 FIBERS,PLASTI	.076575	.330479	4.315732	.323727	4.227560
57 SYN RUBBER	.087997	.472648	5.371155	.455154	5.172358
58 DRUGS	.271717	.583491	2.147417	.580902	2.137890
59 AGRI CHEMICAL	.109861	.420581	3.828287	.400083	3.641703
60 SPS,CLNS,TOIL	.141655	.504144	3.559959	.502329	3.546149
61 PAINT+VARNISH	.189977	.520967	2.742265	.520060	2.737491
62 OTH CHEMICALS	.140462	.339182	3.938877	.548637	3.905950
63 PETRO REFING	.031796	.339182	9.118728	.298877	8.035154
64 OTH PETRO PRD	.114316	.499143	4.363363	.492029	4.304129
65 TIRES	.208401	.511840	2.456036	.510944	2.451738
66 FAB RUBBER PR	.236198	.472172	1.999053	.471999	1.998323
67 PLASTIC PRODS	.187597	.471751	2.514700	.468489	2.497310
68 LEATHER,L PRD	.301949	.660973	2.189020	.591457	1.958796
69 GLASS	.282656	.636320	2.251219	.632183	2.236583
70 CLAY	.240348	.642479	2.673116	.639707	2.661583
71 CUT ST,CL,SH	.189567	.564551	2.978103	.559504	2.951482
72 CEMENT,CONCRT	.172487	.587686	3.407128	.538262	3.120588
73 BLAST FURNACE	.116410	.423429	3.637380	.386571	3.320758
74 PRI STEEL,IRO	.161299	.386052	2.393398	.385939	2.392700
75 FOUNDRIES	.278650	.658073	2.361652	.653532	2.345355
76 NONFER SHELIG	.211002	.568352	2.693580	.533769	2.529684
77 AL SMLT ROL DR	.139316	.445726	3.199380	.368987	2.648555
78 CAST,FORGINGS	.354074	.776738	2.193719	.776016	2.191680
79 FABRI STEEL	.199894	.560392	2.803440	.543839	2.720630
80 PLATE WORK	.310831	.675082	2.171862	.673700	2.167414
81 SH MET,ARCH	.200410	.507519	2.532404	.471770	2.354026
82 METAL DOORS	.205894	.588172	2.856668	.587141	2.851659
83 FAB MET PROD	.117475	.366021	3.115735	.364579	3.103456
84 PLUMBING	.185201	.444024	2.397522	.443949	2.397117
85 BOLTS,NUTS,SC	.179005	.414535	2.315766	.411914	2.301129
86 ELCTPLT,CT,EN	.377138	.769918	2.041477	.759191	2.013034
87 VALVE,PIPE FT	.397196	.751547	1.892131	.743296	1.871357
88 OTH FAB MET P	.256949	.592686	2.306625	.569844	2.217727
89 FM,CONS,IND M	.266703	.567867	2.129210	.567620	2.128285
90 HTL HDL MC,EQ	.352838	.670243	1.899575	.670092	1.899149
91 MIN MACH,EQUIP	.291625	.614781	2.108124	.607562	2.083370
92 ENGINES	.149020	.358403	2.405067	.358325	2.404547
93 METAL WK MACH	.499074	.896275	1.795875	.895775	1.794873
94 IND PROC MACH	.289244	.648736	2.242873	.637347	2.203496
95 GEN IND MACH	.277823	.627663	2.259223	.624853	2.249108
96 REFRIG MACH	.199894	.489998	2.451287	.483337	2.417966
97 COMPU,ACCT MACH	.262781	.637738	2.426882	.625679	2.380993
98 ELEC INST,AP	.256993	.546835	2.127822	.539901	2.100841
99 ELEC HSLD EQ	.244653	.544258	2.224613	.544143	2.224141
100 ELEC COMM EQ	.377583	.697338	1.8446847	.665464	1.762430

APPENDIX TABLE 7. INCOME MULTIPLIERS--TYPE 2
(TEXAS, 1979)

	DIRECT EFFECT (PER \$1.00)	TOTAL EFFECT (FINAL DEMAND)	MULTIPLIER (FINAL DEMAND)	TOTAL EFFECT (OUTPUT)	MULTIPLIER (OUTPUT)
101 OTH ELEC APP	.178997	.567482	3.170351	.556329	3.108039
102 AIRCRAFT	.253199	.470739	1.859167	.469832	1.855584
103 AIRCRAFT ENG	.469576	.803023	1.710104	.795009	1.693036
104 OTH AIRCRAFT	.325031	.664528	2.049510	.664344	2.043942
105 MOTOR VHCL,P	.188127	.428538	2.277922	.415997	2.211260
106 SHIP,BT BLDG	.329881	.694266	2.104597	.693012	2.100796
107 OTH TRANS EQ	.207770	.598034	2.879341	.584480	2.813108
108 SCIENTIF INS	.256497	.724736	2.825510	.644362	2.512161
109 MECH MSRG DV	.199350	.449848	2.256567	.436718	2.190705
110 MEDICAL INST	.222281	.574159	2.583028	.573492	2.580028
111 PHO, TM, OPT I	.342990	.730176	2.128857	.727709	2.121665
112 GAMES, TOYS	.282424	.649063	2.293188	.648029	2.294526
113 OTH MFG IND	.310582	.687872	2.214784	.684490	2.203895
114 RAIL TRANS	.443681	.813830	1.832629	.786719	1.773165
115 INTERCTY HGY	.307619	.649149	2.110238	.648243	2.107295
116 MOTOR FRT STR	.381161	.808668	2.121591	.755752	1.982762
117 WATER TRANS	.355447	.765839	2.154578	.737054	2.073594
118 AIR TRANS	.301300	.653250	2.163103	.643621	2.136145
119 PIPELINE TRN	.124528	.394016	3.164074	.387872	3.114736
120 LOC,SUB TRAN	.496123	.885181	1.784195	.884304	1.782429
121 OTH TRAN SER	.321595	.727130	2.261007	.722608	2.246947
122 TELEP, TELEGR	.300418	.593195	1.974568	.588132	1.957716
123 RADIO, TV	.323748	.736209	2.274019	.733374	2.265261
124 OTH COMMUNIC	.287268	.746403	2.592855	.680312	2.396066
125 GAS SERVICES	.045007	.497888	11.062488	.484683	10.769099
126 ELEC SERVICES	.184012	.540388	2.936699	.529805	2.879189
127 WATER,SANI SERV	.339064	.775996	2.288640	.673877	1.987461
128 WHL AUT PT,S	.283575	.689746	2.432321	.679745	2.397051
129 WHL GRO,RELP	.400129	.800159	1.997751	.789345	1.972725
130 WHL FM PROD	.211071	.642031	3.041781	.635804	3.012277
131 WHL LIVESTOC	.480104	.874475	1.824429	.873401	1.819192
132 WHL MAC,EQ,S	.374480	.768982	2.053466	.760332	2.030368
133 WHL PET,PETP	.354563	.703966	1.985450	.693836	1.956880
134 GEN WHL	.387267	.757429	1.955833	.728125	1.880162
135 LUMBER YARDS	.425192	.850255	1.999697	.847268	1.992673
136 FARM EQ DEAL	.204060	.495935	2.430339	.494153	2.421609
137 HDW,HT,E,P,W	.323853	.751770	2.321331	.751137	2.319375
138 DEPT,VAR STO	.315293	.694208	2.201783	.683577	2.168066
139 FOOD STORES	.295506	.694436	2.349993	.681671	2.306793
140 AUTO DEAL,RP	.281175	.565896	2.012612	.545782	1.941076
141 GAS SER STAT	.156439	.417960	2.671710	.413111	2.640714
142 APPRL ACC ST	.378110	.746931	1.975436	.740640	1.958797
143 FURN,HH F,EQ	.240044	.665242	2.771336	.660115	2.749977
144 EAT,DRINK PL	.272425	.696022	2.554910	.681947	2.503248
145 OTHER RETAIL	.356012	.726251	2.039963	.716160	2.011617
146 BANK,CRD AGE	.471016	.872425	1.852219	.777427	1.650533
147 INSURANCE CA	.396557	.827057	2.085594	.737076	1.858687
148 F.I.R.E. NEC	.206892	.616764	2.981088	.565855	2.735022
149 LEGAL SERVIC	.415842	.834300	2.006293	.826977	1.988683
150 LODGING SERV	.230597	.642433	2.785955	.637839	2.766032

APPENDIX TABLE 7. INCOME MULTIPLIERS--TYPE 2
(TEXAS, 1979)

	DIRECT EFFECT (PER \$1.00)	TOTAL EFFECT (FINAL DEMAND)	MULTIPLIER (FINAL DEMAND)	TOTAL EFFECT (OUTPUT)	MULTIPLIER (OUTPUT)
151 PERSONAL SER	.312501	.713656	2.283690	.704779	2.255284
152 ADVERTISING	.396404	.895998	2.260312	.892285	2.250946
153 DUPL ADDRESS	.353347	.717002	2.029169	.715305	2.024369
154 PRI EMPL AGE	.672236	1.122271	1.669460	1.120415	1.666701
155 PHOTO SERVIC	.301363	.653067	2.167043	.636871	2.113299
156 RESRCH,DEVEL	.423534	.823379	1.944066	.823278	1.943829
157 OTHER BUS SE	.549357	.980061	1.784015	.969317	1.764458
158 MTN PCT,AM,R	.457031	.874201	1.912780	.859174	1.879902
159 AUTO RENT SE	.154568	.485539	3.141263	.483708	3.129417
160 AUTO PARKING	.289042	.767526	2.655412	.767150	2.654113
161 ELEC REP SHP	.389964	.775437	1.988484	.770902	1.976856
162 MISC REP SER	.536907	.934993	1.741445	.929669	1.731527
163 PHYS,IDENT SE	.642123	1.098647	1.710960	1.080138	1.682136
164 HOSP,LAB SER	.399948	.902986	2.257759	.833633	2.084354
165 OTH MED SERV	.344127	.696373	2.023593	.688931	2.001967
166 ED(PUB,PRI)	.655300	1.111384	1.695992	1.082246	1.651527
167 COLL,UNIV	.535111	.944847	1.765701	.933114	1.743775
168 OTH ED SERV	.584185	1.008138	1.725717	1.005338	1.720925
169 ENG,ARCH SER	.478509	.923748	1.930472	.915459	1.913150
170 COMPU,ACCT SERV	.477067	.910487	1.908508	.894723	1.875465
171 OTH PROF SER	.582613	.988329	1.696374	.988212	1.696173
172 OTHER SERVIC	.322837	.776758	2.406036	.751517	2.327850
173 ORD,ORD ACCS	.366900	.780379	2.126953	.776775	2.117131
174 OUTDOOR REC	.604166	1.020660	1.689369	1.019285	1.687093
175 SCRAP	.393126	.826027	2.101175	.825909	2.100875

APPENDIX TABLE 8. EMPLOYMENT MULTIPLIERS--TYPE 1
(TEXAS, 1979)

	DIRECT EFFECT (PER MILLION \$)	TOTAL EFFECT (FINAL DEMAND)	MULTIPLIER (FINAL DEMAND)	TOTAL EFFECT (OUTPUT)	MULTIPLIER (OUTPUT)	NUMBER OF EMPLOYEES
1	30.742034	51.966395	1.690402	51.078532	1.661521	21929.
2	33.149489	49.395933	1.490096	47.669215	1.438008	13854.
3	43.772719	55.309447	1.263560	54.707061	1.294798	22253.
4	97.929073	112.266238	1.146404	110.579171	1.129176	65271.
5	30.969556	51.264019	1.655304	50.247105	1.622468	25261.
6	31.989790	48.309382	1.510150	44.605843	1.394377	9274.
7	42.774117	55.366142	1.294384	55.361273	1.294270	22764.
8	50.364399	67.811835	1.346424	66.692660	1.324202	23116.
9	20.910037	37.000499	1.769509	36.897911	1.764603	36240.
10	2.451719	25.020443	10.205257	25.010891	10.201371	6749.
11	44.634667	68.529326	1.535339	67.334767	1.508576	24085.
12	38.711419	64.386768	1.663250	59.423178	1.535030	17494.
13	29.152353	34.825445	1.194602	34.824594	1.194572	11261.
14	88.004708	96.592893	1.097558	96.592296	1.097581	17197.
15	60.036057	73.724823	1.228009	71.046485	1.183397	32035.
16	8.179269	22.518793	2.753155	71.046485	1.183397	32035.
17	16.113804	25.907574	1.607788	25.857355	1.604471	2560.
18	2.295895	12.491427	5.440765	12.4912541	5.406406	48673.
19	2.377954	8.567579	3.602920	8.562963	3.600979	6347.
20	18.209785	28.615741	1.571449	27.711495	1.521791	111746.
21	29.616480	38.702343	1.306784	38.565324	1.302158	47031.
22	14.018997	29.981785	2.138654	29.981692	2.138647	136260.
23	12.515308	24.690870	1.972854	24.663299	1.970650	76236.
24	24.457908	36.144441	1.477822	36.144439	1.477822	62383.
25	17.084142	30.324820	1.775027	30.302776	1.773737	172373.
26	11.375906	21.200608	1.863641	21.074593	1.852564	40594.
27	3.565053	22.148959	6.212799	19.690305	5.523145	18762.
28	14.998829	51.682280	3.445754	51.045143	3.403275	7558.
29	4.899783	36.460373	7.441222	36.4048247	7.357111	5537.
30	3.532729	24.931370	7.057255	24.917807	7.053416	4237.
31	5.150476	22.042648	4.279730	20.754265	4.029582	4394.
32	13.134794	25.492605	1.940845	24.562626	1.870043	11529.
33	8.887280	36.287363	4.083068	36.275174	4.081696	9670.
34	6.015721	11.647954	1.936252	11.521901	1.915298	19783.
35	7.684266	19.896490	2.589251	19.320534	2.514298	18604.
36	16.027700	29.316820	1.829135	28.144515	1.755992	6189.
37	30.956056	35.847697	1.158019	35.770965	1.155540	66064.
38	27.235523	33.953623	1.246667	33.758402	1.239499	9896.
39	10.112136	27.563223	2.745038	26.523452	1.929412	2387.
40	18.984009	27.563223	1.451923	26.523452	1.397147	7103.
41	14.313472	25.523090	1.783152	25.046275	1.749839	22232.
42	28.285784	37.816567	1.336946	37.806039	1.336574	16489.
43	21.707262	27.950135	1.287594	27.949057	1.287544	3006.
44	9.063878	17.852098	1.969594	17.840823	1.968343	7325.
45	12.040336	19.304213	1.603295	18.535852	1.539480	7145.
46	11.230414	19.107277	1.701387	19.100098	1.700747	8448.
47	26.765795	33.422200	1.248691	33.403601	1.247996	25291.
48	23.500619	40.686972	1.731315	38.165849	1.624036	5166.
49	26.319477	32.118584	1.220335	31.820260	1.209000	21973.
50	13.938599	21.370000	1.533153	21.362719	1.532630	3984.

APPENDIX TABLE 8. EMPLOYMENT MULTIPLIERS--TYPE 1
(TEXAS, 1979)

	DIRECT EFFECT (PER MILLION \$)	TOTAL EFFECT (FINAL DEMAND)	MULTIPLIER (FINAL DEMAND)	TOTAL EFFECT (OUTPUT)	MULTIPLIER (OUTPUT)	NUMBER OF EMPLOYEES
51 OTH PRNT,PUBS	33.616730	40.321426	1.199445	39.598265	1.177933	4128.
52 CHLOR,ALKALIE	4.654137	14.414473	3.097131	14.248491	3.061468	3370.
53 CYCCRD INT,IG	2.455835	12.381809	5.041791	12.369150	5.036637	4327.
54 ORG CHEM	2.245371	12.068738	5.374942	9.880960	4.400591	33410.
55 INORG CHEM	4.220080	12.506191	2.963496	11.473632	2.718819	3876.
56 FIBERS,PLASTI	1.941060	9.739423	5.017580	9.543900	4.916850	6078.
57 SYN RUBBER	4.495233	15.466022	3.440538	14.894815	3.313469	4794.
58 DRUGS	9.527453	16.556719	1.737791	16.488381	1.730618	2266.
59 AGRI CHEMICAL	5.359857	15.512079	2.894122	14.769065	2.755496	6689.
60 SPS,CLNS,TOIL	6.807883	17.388292	2.554141	17.337424	2.546669	3849.
61 PAINT+VARNISH	5.961996	13.908994	2.332942	13.892746	2.330217	3879.
62 OTH CHEMICALS	7.133832	17.804657	2.495806	17.665254	2.476264	7763.
63 PETRO REFING	1.0337203	8.918446	8.598555	7.977738	7.691589	39374.
64 OTH PETRO PRD	7.841853	19.991577	2.549343	19.708471	2.513241	3665.
65 TIRES	10.683985	17.469579	1.635118	17.448066	1.633105	4483.
66 FAB RUBBER PR	16.452278	21.051061	1.279523	21.045703	1.279197	3649.
67 PLASTIC PRODS	16.350563	23.476991	1.435852	23.352568	1.428242	22879.
68 LEATHER,L PRD	34.418410	45.135102	1.311365	40.397550	1.173719	7728.
69 GLASS	16.091207	23.962022	1.489138	23.825969	1.480682	5846.
70 CLAY	24.630491	36.913276	1.498682	36.762469	1.492559	7104.
71 CUT ST,CL,SH	18.000679	27.960796	1.553319	27.722710	1.540092	12935.
72 CEMENT,CONCRT	11.408183	25.671255	2.250249	23.519034	2.061593	20476.
73 BLAST FURNACE	9.356260	19.019847	2.032847	17.367681	1.856263	15331.
74 PRI STEEL,IRO	13.015853	18.605137	1.429421	18.600994	1.429103	4097.
75 FOUNDRIES	24.422733	33.431950	1.368887	33.210144	1.359805	10744.
76 NONFER SMELTG	3.008084	14.127012	4.696349	13.270572	4.411637	6038.
77 AL SMLT ROL DR	5.974236	13.629154	2.281322	11.286813	1.889248	7467.
78 CAST,FORGINGS	29.132444	37.749188	1.295778	37.716562	1.294658	3859.
79 FABRI STEEL	13.383983	23.151329	1.729779	22.470171	1.678885	9372.
80 PLATE WORK	13.497581	22.032775	1.632535	21.991242	1.629273	12181.
81 SH MET,ARCH	22.647147	31.479130	1.389982	29.277572	1.292771	20800.
82 METAL DOORS	23.670423	33.853930	1.430221	33.797725	1.427846	6989.
83 FAB MET PROD	7.155186	14.343159	2.004582	14.303188	1.998996	7437.
84 PLUMBING	18.725963	25.461869	1.359709	25.460342	1.359628	3457.
85 BOLTS,NUTS,SC	10.985133	16.816818	1.530871	16.714125	1.521522	5697.
86 ELCTPLT,CT,EN	21.122138	29.185647	1.381756	28.782222	1.362657	4955.
87 VALVE,PIPE FT	13.990253	20.419617	1.459560	20.205543	1.444259	15970.
88 OTH FAB MET P	12.426289	20.810841	1.674743	20.018243	1.610959	3595.
89 FM,CONS,IND M	15.584538	22.161187	1.421998	22.155213	1.421615	12584.
90 MTL HDL MC,EQ	15.002856	20.151174	1.343156	20.147513	1.342912	3598.
91 MIN MACH,FOUP	13.692882	20.721207	1.513283	20.481392	1.495769	58605.
92 ENGINES	6.990908	11.969698	1.712181	11.967560	1.711875	1910.
93 METAL WK MACH	21.933480	27.851188	1.269802	27.839376	1.269244	5000.
94 IND PROC MACH	23.348371	32.247606	1.381150	31.686814	1.357132	9228.
95 GEN IND MACH	12.359521	21.148024	1.711071	21.066274	1.704457	9546.
96 REFRIG MACH	10.672248	18.575964	1.740586	18.353344	1.717102	13032.
97 COMPU,ACST MACH	14.559146	24.429989	1.677982	23.977594	1.646909	37149.
98 ELEC INST,AP	17.824500	24.027708	1.348016	23.733253	1.331496	11506.
99 ELEC HSLD EQ	8.443404	14.873888	1.761598	14.873417	1.761543	1313.
100 ELEC COMM EQ	18.453134	23.719387	1.285385	22.648011	1.227326	82289.

APPENDIX TABLE 8. EMPLOYMENT MULTIPLIERS--TYPE 1 (TEXAS, 1979)

	DIRECT EFFECT (PER MILLION \$)	TOTAL EFFECT (FINAL DEMAND)	MULTIPLIER (FINAL DEMAND)	TOTAL EFFECT (OUTPUT)	MULTIPLIER (OUTPUT)	NUMBER OF EMPLOYEES
101 OTH ELEC APP	16.890913	27.636754	1.636191	27.098527	1.604326	6120.
102 AIRCRAFT	18.918471	22.929569	1.212020	22.869508	1.209691	37710.
103 AIRCRAFT EN6	49.684976	53.905483	1.084945	53.367542	1.074118	1175.
104 OTH AIRCRAFT	29.259802	36.420417	1.244725	36.411847	1.244432	2656.
105 MOTOR VHCL,P	7.428695	13.312846	1.792084	12.959189	1.744477	14600.
106 SHIP,BT BLDG	23.506913	31.285685	1.330914	31.237191	1.328851	9895.
107 OTH TRANS EQ	16.424886	28.426611	1.730746	27.813899	1.693441	12247.
108 SCIENTIF INS	54.719218	72.917548	1.332577	64.834319	1.184855	3693.
109 MECH MSRG DV	20.686307	27.668426	1.337524	26.861481	1.298515	5496.
110 MEDICAL INST	11.506328	21.108916	1.834548	21.095013	1.833340	4425.
111 PHO, TM, OPT I	23.474952	31.817491	1.355380	31.717778	1.351133	4559.
112 GAMES, TOYS	23.603575	32.274626	1.367362	32.227446	1.365363	3602.
113 OTH MFG IND	20.858364	30.741296	1.473811	30.617318	1.467868	9340.
114 RAIL TRANS	17.136643	22.857378	1.333831	22.147558	1.292409	30602.
115 INTERCTY H6Y	24.998415	32.090904	1.283718	32.070569	1.282904	3944.
116 MOTOR FRT STR	22.601248	31.803698	1.407166	30.100423	1.331804	97365.
117 WATER TRANS	11.952181	20.279452	1.696716	19.542795	1.635082	22478.
118 AIR TRANS	19.961636	27.243311	1.364783	26.995796	1.352384	34664.
119 PIPELINE TRN	5.224660	12.721514	2.434898	12.529542	2.398154	5710.
120 LOC,SUB TRAN	29.803916	34.492158	1.157303	34.492065	1.157300	4113.
121 OTH TRAN SER	46.400389	57.025369	1.228985	56.698347	1.221937	12601.
122 TELEP, TELEGR	27.342969	34.783815	1.272130	34.718643	1.269747	66293.
123 RADIO, TV	25.563157	37.970765	1.485371	37.874173	1.481592	10985.
124 OTH COMMUNIC	25.563280	37.907323	1.482882	34.967125	1.367865	3482.
125 GAS SERVICES	2.414111	14.223824	5.891952	13.990389	5.795256	20706.
126 ELEC SERVICES	5.735249	15.862606	2.765809	15.758277	2.747618	33224.
127 WATER,SANI SERV	31.137034	43.125185	1.385013	37.634262	1.208666	44997.
128 WHL AUT PT,S	8.948911	19.825094	2.215364	19.770591	2.209273	30448.
129 WHL GRO, RELP	20.821261	28.911700	1.388566	28.891609	1.387601	49551.
130 WHL FM PROD	8.248559	18.986243	2.301765	18.814520	2.280946	11012.
131 WHL LIVESTOC	58.076762	64.387212	1.108657	64.324394	1.107575	6089.
132 WHL HAC, EQ,S	19.593323	28.109008	1.434622	27.912249	1.424580	109276.
133 WHL PET,PETP	7.865041	15.547533	1.976790	15.481982	1.968455	28491.
134 GEN WHL	15.625720	22.811717	1.459883	22.605920	1.446712	170006.
135 LUMBER YARDS	48.708631	57.663519	1.183846	57.621848	1.182991	26205.
136 FARM EQ DEAL	32.204492	40.219397	1.248875	40.119368	1.245769	12682.
137 HDM,HT,E,P,W	83.591884	95.187951	1.138722	95.168230	1.138486	13579.
138 DEPT,VAR STO	60.146014	70.360444	1.169827	70.228739	1.167637	159462.
139 FOOD STORES	57.340779	69.020506	1.203690	68.887562	1.201371	173994.
140 AUTO DEAL,RP	39.552337	46.056220	1.164437	44.858507	1.134156	124005.
141 GAS SER STAT	70.631743	77.675573	1.099726	76.891680	1.086628	44979.
142 APPL ACC ST	54.900240	62.744865	1.142889	62.731519	1.142646	79211.
143 FURN, HM F, EQ	51.066175	63.958724	1.252467	63.763895	1.248652	49379.
144 EAT, DRINK PL	76.140306	91.019349	1.195416	90.802309	1.192566	286790.
145 OTHER RETAIL	52.799485	63.980586	1.211765	63.914375	1.210511	129623.
146 BANK, CRD AGE	9.620074	16.079906	1.671495	15.126301	1.572576	138247.
147 INSURANCE CA	20.007312	29.434956	1.471210	26.634780	1.331252	116400.
148 F.I.-R.-E. NEC	11.035709	20.757225	1.880914	19.555328	1.772005	109567.
149 LEGAL SERVIC	17.157796	25.614216	1.492862	25.519955	1.487368	26994.
150 LODGING SERV	50.721357	62.525883	1.232733	62.351023	1.229285	64861.

APPENDIX TABLE 8. EMPLOYMENT MULTIPLIERS--TYPE 1
(TEXAS, 1979)

	DIRECT EFFECT (PER MILLION \$)	TOTAL EFFECT (FINAL DEMAND)	MULTIPLIER (FINAL DEMAND)	TOTAL EFFECT (OUTPUT)	MULTIPLIER (OUTPUT)	NUMBER OF EMPLOYEES
151 PERSONAL SER	51.859558	62.541357	1.205976	62.239860	1.200162	72933.
152 ADVERTISING	27.189858	41.236506	1.516613	41.109552	1.511944	7627.
153 DUPL. ADDRESS	37.740218	45.702015	1.210963	45.613561	1.208619	4564.
154 PRI EMPL AGE	77.003502	82.689908	1.073846	82.616049	1.072887	10753.
155 PHOTO SERVIC	25.838195	35.094870	1.358256	34.288771	1.327058	15161.
156 RESRCH, DEVEL	63.804494	72.482333	1.136007	72.478622	1.135949	8373.
157 OTHER BUS SE	48.185781	55.224383	1.146072	54.897509	1.139289	165278.
158 MTN PCT-AM,R	41.119127	49.567391	1.205958	49.058121	1.193073	46301.
159 AUTO RENT SE	16.196758	25.971029	1.603471	25.894416	1.598741	9975.
160 AUTO PARKING	46.432984	60.410844	1.301033	60.408893	1.300991	3570.
161 ELEC REP SMP	21.365146	30.085127	1.408140	29.952538	1.401935	7074.
162 MISC REP SER	20.799347	26.430570	1.270740	26.376178	1.268125	22746.
163 PHYS, DENT SE	27.329756	33.811598	1.237172	33.786656	1.236259	51068.
164 HOSP, LAB SER	57.848933	72.419777	1.251877	68.853893	1.190236	267741.
165 OTH MED SER	37.287014	45.288553	1.214593	45.287180	1.214556	72034.
166 ED(PUB, PRI)	70.855802	76.749855	1.083184	76.401786	1.078271	348696.
167 COLL, UNIV	48.210275	54.300027	1.126316	54.222544	1.124772	121685.
168 OTH ED SERV	41.652793	46.647358	1.119909	46.645891	1.119874	15137.
169 ENG, ARCH SER	20.398411	28.441157	1.394283	28.242243	1.384532	48792.
170 COMPU, ACCT SERV	23.846640	32.819950	1.376292	32.472135	1.361707	44178.
171 OTH PROF SER	53.684105	59.297304	1.104560	59.296283	1.104541	1608.
172 OTHER SERVIC	47.774333	60.655609	1.269628	59.480489	1.245030	185355.
173 ORD, ORD ACCS	59.762160	69.326100	1.160033	69.006440	1.154684	9689.
174 OUTD00R REC	51.901536	56.516998	1.088927	56.511146	1.088615	12288.
175 SCRAP	12.825275	21.311996	1.661718	21.311168	1.661654	2417.

TOTAL EMPLOYMENT = 5987851.

APPENDIX TABLE 8. EMPLOYMENT MULTIPLIERS--TYPE 2
(TEXAS, 1979)

	DIRECT EFFECT (PER MILLION \$)	TOTAL EFFECT (FINAL DEMAND)	MULTIPLIER (FINAL DEMAND)	TOTAL EFFECT (OUTPUT)	MULTIPLIER (OUTPUT)	NUMBER OF EMPLOYEES
1	IRR COTTON	30.742034	69.469120	68.269779	2.220731	21929.
2	IRR FOOD GRAIN	33.149889	63.946517	61.697137	1.861179	13854.
3	IRR FEED GRAIN	43.772719	70.530884	69.722063	1.592820	22253.
4	OTHER IRR CROP	97.929073	128.548922	126.345195	1.290170	65271.
5	DRYLAND COTTON	30.969556	71.652609	70.221685	2.267442	25261.
6	DRY FOOD GRAIN	31.989790	63.337949	58.475111	1.827930	9274.
7	DRY FEED GRAIN	42.774117	70.865776	70.827828	1.655857	22764.
8	OTHER DRY CROP	50.364399	85.779033	84.229933	1.672410	23116.
9	RANGE LIVESTOCK	20.910037	57.040533	56.587124	2.706218	36240.
10	FEEDLOT LVSTK	2.451719	36.624273	36.492401	14.884417	6749.
11	DAIRY	44.634667	85.879133	84.192109	1.886249	24085.
12	POULTRY,EGGS	38.714119	76.295136	70.335672	1.816923	17494.
13	AG SUP EX FMC	29.152353	53.533578	53.483791	1.834630	11261.
14	COTTON GINNING	88.004708	114.716707	114.711391	1.303469	17197.
15	AGRI SERVICES	60.036057	86.400089	83.213442	1.366058	32035.
16	PRIM FORESTRY	8.179269	34.870842	28.421841	3.474863	3200.
17	FISHERIES	16.113804	42.886753	42.787703	2.655345	2560.
18	CRUDE PETRO	2.295895	27.356647	26.827559	11.685010	48673.
19	NATRL GAS LQDS.	2.377954	18.592446	18.567979	7.808384	6347.
20	OIL,GAS FLDSV	18.209785	47.952403	46.267129	2.540784	111746.
21	LIGNITE,OTH MINE	29.616480	53.296942	53.071880	1.791971	47031.
22	RES CONSTRUCT	14.018997	45.047500	45.047361	3.213308	136260.
23	COMM,ED,INST	12.515308	41.096480	41.050476	3.280021	76236.
24	INDUS CONS	24.457908	53.421800	53.421796	2.184234	62383.
25	FACILITY CONS	17.084142	46.293967	46.259801	2.707763	172373.
26	MAINTEN,REPR	11.375906	39.361265	38.809669	3.411567	40594.
27	MEAT PRODUCTS	3.565053	34.507029	30.277426	8.992840	18762.
28	POULTRY PROD	14.998829	63.916319	63.050628	4.203703	7558.
29	DAIRIES	4.899783	51.201597	50.398270	10.285816	5537.
30	OTH GRAIN MIL	3.532729	36.319972	36.283013	10.270533	4237.
31	ANIMAL FEEDS	5.150476	32.928694	30.975296	6.014064	4394.
32	BAKERY PROD	13.134794	40.331529	38.747511	2.949990	11529.
33	CAND,PSVP,PK	8.887280	47.788639	47.687730	5.365841	9670.
34	OTH FOOD PROD	6.015721	16.299911	16.081047	2.673170	19783.
35	BEVERAGES	7.684266	29.613295	28.584628	3.719890	18609.
36	TEXTILE MILL	16.027700	44.040200	42.267313	2.637142	6189.
37	MBWMC FURN	30.956056	49.425887	49.174204	1.588516	66064.
38	RELATED APPRL	27.235523	46.720126	46.429822	1.704752	9896.
39	LOGGING	10.112136	44.139185	31.019621	3.067564	2387.
40	LUMBER MILLS	18.984009	38.200621	36.755207	1.936114	7103.
41	MILLWORK,WOOD	14.313472	36.619138	35.902812	2.508323	22232.
42	WOOD FURN,FX	28.285784	52.603874	52.557005	1.858071	16489.
43	MET FURN,FXIT	21.707262	37.638788	37.631203	1.733577	3006.
44	PAPER,PAP MIL	9.063878	30.404858	30.364962	3.350107	7325.
45	PAP EX BOX,CT	12.040336	32.020121	30.726693	2.551980	7145.
46	BOXES,PAP CNT	11.230414	30.664696	30.618056	2.726352	8448.
47	NEWSPAPERS	26.765795	46.082034	45.917226	1.715519	25291.
48	PUBLISHING	23.500619	56.034747	52.547561	2.236008	5166.
49	PRINTING	26.319477	46.740823	46.240862	1.756907	21973.
50	MANFLD BUS FM	13.938599	35.139497	35.116078	2.519341	3984.

APPENDIX TABLE 8. EMPLOYMENT MULTIPLIERS---TYPE 2
(TEXAS, 1979)

	DIRECT EFFECT (PER MILLION \$)	TOTAL EFFECT (FINAL DEMAND)	MULTIPLIER (FINAL DEMAND)	TOTAL EFFECT (OUTPUT)	MULTIPLIER (OUTPUT)	NUMBER OF EMPLOYEES
51 OTH PRNT,PUBS	33.616730	58.741242	1.747381	57.672840	1.715599	4128.
52 CHLOR,ALKALIE	4.654137	24.496767	5.263439	24.207753	5.201341	3370.
53 CYCCRD INT,IG	2.455835	22.998288	9.364752	22.968627	9.352674	4327.
54 ORG CHEN	2.245371	21.579239	9.610546	17.634865	7.853877	33410.
55 INORG CHEM	4.220080	19.990566	4.737011	18.332375	4.344082	3876.
56 FIBERS,PLASTI	1.941060	17.464450	8.997379	17.107644	8.813558	6078.
57 SYN RUBBER	4.495233	26.514279	5.894310	25.532934	5.680002	4794.
58 DRUGS	9.527453	30.195952	3.167362	30.061989	3.153302	2266.
59 AGRIC CHEMICAL	5.359857	25.343266	4.728347	24.108078	4.497895	6689.
60 SPS,CLNS,TOIL	6.807883	29.172780	4.285147	29.067776	4.269723	3849.
61 PAINT,VARNISH	5.961996	26.086727	4.375502	26.041320	4.367886	3679.
62 OTH CHEMICALS	7.133832	30.737301	4.308666	30.480348	4.272647	7763.
63 PETRO REFINING	1.037203	16.846912	16.242639	14.845000	14.312533	39374.
64 OTH PETRO PRD	7.841853	31.659176	4.037206	31.207938	3.979663	3665.
65 TIRES	10.683985	29.433962	2.754961	29.382463	2.750141	4483.
66 FAB RUBBER PR	16.452278	32.088189	1.950380	32.076482	1.949668	3649.
67 PLASTIC PRODS	16.350563	34.504287	2.110281	34.265675	2.095688	22879.
68 LEATHER,L PRD	34.418410	60.585516	1.760265	54.213601	1.575134	7728.
69 GLASS	16.091207	38.836163	2.413502	38.583679	2.397811	5846.
70 CLAY	24.630491	51.931384	2.108419	51.707318	2.099321	7104.
71 CUT ST,CL,SH	18.000679	41.157307	2.286431	40.789406	2.265993	12935.
72 CEMENT,CONCRT	11.408183	39.408559	3.454412	36.094297	3.163895	20476.
73 BLAST FURNACE	9.356260	28.917600	3.090722	26.4900420	2.821685	15331.
74 PRI STEEL,IRO	13.015853	27.629198	2.115734	27.621136	2.122115	4097.
75 FOUNDRIES	24.422733	48.814576	1.998735	48.477738	1.988943	10744.
76 NONFER SHEL TG	3.008084	27.412368	9.112901	25.744404	8.558407	6038.
77 AL SMLT ROL DR	5.974236	24.048112	4.025304	19.907840	3.332282	7467.
78 CAST,FORGINGS	29.132444	55.905627	1.919016	55.853648	1.917232	3859.
79 FABRI STEEL	13.383983	36.250624	2.708508	35.179829	2.628502	9372.
80 PLATE WORK	13.497581	37.815490	2.801649	37.738039	2.795911	12181.
81 SH MET,ARCH	22.647147	43.342500	1.913817	40.289534	1.779012	20800.
82 METAL DOORS	23.670423	47.602593	2.01058	47.519130	2.007532	6989.
83 FAB MET PRD	7.155186	22.898998	3.200336	22.808753	3.187723	7437.
84 PLUMBING	18.725963	35.841038	1.913976	35.834982	1.913652	3457.
85 BOLTS,NUTS,SC	10.985133	26.506665	2.412958	26.339126	2.397707	5697.
86 ELCTPLT,CT,EN	21.122138	47.182669	2.233802	46.525297	2.202679	4955.
87 VALVE,PIPE FT	13.990253	37.987219	2.718263	37.570148	2.685452	15970.
88 OTH FAB MET P	12.426289	34.665018	2.789652	33.329023	2.682138	3595.
89 FM,CONS,IND M	15.584538	35.435219	2.273742	35.419813	2.272754	12584.
90 MTL HDL MC,EQ	15.002856	35.818256	2.387429	35.810223	2.386894	3598.
91 MIN MACH,EQ	13.692882	35.091859	2.562781	34.679799	2.532688	58605.
92 ENGINES	6.990908	20.347446	2.910558	20.343047	2.909929	1910.
93 METAL WK MACH	21.933480	48.801845	2.224993	48.774614	2.223752	5000.
94 IND PROC MACH	23.348371	47.411977	2.030633	46.579604	1.994983	9228.
95 GEN IND MACH	12.359521	35.619806	2.898155	35.659426	2.885179	9546.
96 REFRIG MACH	10.672248	30.029788	2.813820	29.621587	2.775571	13032.
97 COMPU,ACCT MACH	14.559146	39.3337261	2.701893	38.593447	2.650804	37149.
98 ELEC INST,AP	17.824500	36.810110	2.065141	36.343356	2.038955	11506.
99 ELEC HSLD EQ	8.443404	27.596056	3.268357	27.590200	3.267663	1313.
100 ELEC COMM EQ	18.453134	40.019832	2.168728	38.190585	2.069599	82289.

APPENDIX TABLE 8. EMPLOYMENT MULTIPLIERS--TYPE 2
(TEXAS, 1979)

	DIRECT EFFECT (PER MILLION \$)	TOTAL EFFECT (FINAL DEMAND)	MULTIPLIER (FINAL DEMAND)	TOTAL EFFECT (OUTPUT)	MULTIPLIER (OUTPUT)	NUMBER OF EMPLOYEES
101 OTH ELEC APP	16.890913	40.901795	2.421527	40.097888	2.373933	6120.
102 AIRCRAFT	18.918471	33.933213	1.793655	33.867810	1.790198	37710.
103 AIRCRAFT ENG	49.689976	72.676353	1.462743	71.951021	1.448144	1175.
104 OTH AIRCRAFT	29.259802	51.953925	1.775608	51.939500	1.775115	2656.
105 MOTOR VHCL,P	7.428695	23.330020	3.140527	22.647277	3.048621	14600.
106 SHIP,BT BLDG	23.506913	47.514325	2.021292	47.428504	2.017641	9895.
107 OTH TRANS EQ	16.424486	42.405799	2.581865	41.444743	2.523351	12247.
108 SCIENTIF INS	54.719218	89.858420	1.642173	79.893310	1.460056	3693.
109 MECH MSRG DV	20.683307	38.183721	1.845845	37.069247	1.791970	5496.
110 MEDICAL INST	11.506328	34.530029	3.000960	34.489913	2.997474	4425.
111 PHO, TM, OPT I	23.474952	48.885533	2.082455	48.720374	2.075420	4559.
112 GAMES, TOYS	23.603575	47.446631	2.010146	47.371032	2.006943	3602.
113 OTH MFG IND	20.853664	46.820569	2.244686	46.590275	2.233650	9340.
114 RAIL TRANS	17.136643	41.880843	2.443935	40.485696	2.362522	30602.
115 INTERCTY HGV	24.998415	47.264911	1.890716	47.199005	1.888080	3944.
116 MOTOR FRT STR	22.601248	50.706502	2.243527	47.388461	2.096719	97365.
117 WATER TRANS	11.952181	38.181127	3.194490	36.746020	3.074420	22478.
118 AIR TRANS	19.961636	42.513180	2.129744	41.886538	2.098352	34664.
119 PIPELINE TRN	5.224660	21.931737	4.197734	21.589749	4.132278	5710.
120 LOC, SUB TRAN	29.803916	55.183470	1.851551	55.128836	1.849718	4113.
121 OTH TRAN SER	46.400389	74.022200	1.595293	73.561882	1.585372	12601.
122 TELEP, TELEGR	27.342969	48.649891	1.779247	48.234675	1.764061	66293.
123 RADIO , TV	25.563157	55.179830	2.158569	54.967328	2.150256	10985.
124 OTH COMMUNIC	25.563280	55.354671	2.165398	51.046545	1.996870	3482.
125 GAS SERVICES	2.414111	25.862072	10.712878	25.176182	10.428761	20706.
126 ELEC SERVICES	5.735249	28.494303	4.968276	27.936297	4.870982	33224.
127 WATER,SANI SERV	31.137034	61.264271	1.967569	53.202058	1.708642	44997.
128 WHL AUT PT,S	8.948911	35.948084	4.017034	35.426817	3.958785	30448.
129 WHL GRO,REL	20.821261	47.615605	2.286874	46.972094	2.255968	49551.
130 WHL FM PROD	8.248559	33.993881	4.121190	33.664151	4.081216	11012.
131 WHL LIVESTOC	58.076762	84.828275	1.460623	84.724102	1.458830	6089.
132 WHL MACLEQ,S	19.593323	46.084151	2.352033	45.565776	2.325577	109276.
133 WHL PET,PETP	7.865041	32.002913	4.069008	31.542403	4.010456	28491.
134 GEN WHL	15.625720	40.516808	2.592956	38.949227	2.492636	170006.
135 LUMBER YARDS	48.708631	77.538427	1.591883	77.266057	1.586291	26205.
136 FARM EQ DEAL	32.204992	51.811998	1.608844	51.625878	1.603065	12682.
137 HDW,HT,E,P,M	83.591884	112.760763	1.348944	112.665756	1.347807	13579.
138 DEPT,VAR STO	60.146014	86.587714	1.439625	85.261779	1.417580	159462.
139 FOOD STORES	57.340779	85.253125	1.486780	83.6885916	1.459449	173994.
140 AUTO DEAL,RP	39.552337	59.284175	1.498879	57.176972	1.445603	124005.
141 GAS SER STAT	70.631743	87.445490	1.238058	86.430970	1.231685	44979.
142 APPRL ACC ST	54.900240	80.204566	1.460915	79.529004	1.448609	79211.
143 FURN, HM F, EQ	51.066175	79.508917	1.556978	78.896147	1.544979	49379.
144 EAT, DRINK PL	76.140306	107.289025	1.409096	105.119538	1.360603	286790.
145 OTHER RETAIL	52.799485	80.956879	1.533289	79.831986	1.511984	129623.
146 BANK, CRD AGE	9.620074	36.473045	3.791388	32.501526	3.378511	138247.
147 INSURANCE CA	20.007312	48.767619	2.437045	43.461831	2.172297	116400.
148 F.I.R.E. NEC	11.035709	35.174226	3.187310	32.270863	2.924222	109567.
149 LEGAL SERVIC	17.157796	45.116191	2.629486	44.720185	2.606406	26994.
150 LODGING SERV	50.721357	77.542921	1.528802	76.988374	1.517869	64861.

APPENDIX TABLE 8. EMPLOYMENT MULTIPLIERS---TYPE 2
(TEXAS, 1979)

	DIRECT EFFECT (PER MILLION \$)	TOTAL EFFECT (FINAL DEMAND)	MULTIPLIER (FINAL DEMAND)	TOTAL EFFECT (OUTPUT)	MULTIPLIER (OUTPUT)	NUMBER OF EMPLOYEES
151 PERSONAL SER	51.859558	79.223236	1.527650	78.237829	1.508648	72933.
152 ADVERTISING	27.189858	62.180672	2.286907	61.922990	2.277430	7627.
153 DUPL, ADDRESS	37.740218	62.462103	1.655054	62.314326	1.651138	4564.
154 PRI EMPL AGE	77.003502	108.923255	1.414523	108.743211	1.412185	10753.
155 PHOTO SERVIC	25.838195	50.360473	1.949071	49.111502	1.900733	15161.
156 RESRCH, DEVEL	63.804494	91.729015	1.437658	91.717815	1.437482	8373.
157 OTHER BUS SE	48.185781	78.133551	1.621506	77.277008	1.603731	165278.
158 MTN PCT, AMAR	41.119127	70.002045	1.702421	68.798801	1.673158	46301.
159 AUTO RENT SE	16.196758	37.320633	2.304204	37.179884	2.295514	9975.
160 AUTO PARKING	46.432984	78.351948	1.687420	78.313604	1.686594	3570.
161 ELEC REP SHP	21.365146	48.211152	2.256533	47.929214	2.243337	7074.
162 MISC REP SER	20.799367	48.286269	2.321528	48.011276	2.308307	22746.
163 PHYS, DENT SE	27.329756	59.492735	2.176848	58.490468	2.140175	51068.
164 HOSP, LAB SER	57.848933	93.527297	1.616751	86.344037	1.492578	267741.
165 OTH MED SER	37.287014	61.566449	1.651150	60.908482	1.633504	72034.
166 ED(PUB, PRI)	70.855802	102.728723	1.449828	100.035458	1.411817	348696.
167 COLL, UNIV	48.210275	76.386048	1.584435	75.437505	1.564760	121685.
168 OTH ED SER	41.652793	70.212824	1.685669	70.017856	1.680988	15137.
169 ENG, ARCH SER	20.398411	50.033990	2.452838	49.585038	2.430828	48792.
170 COMPU, ACCT SER	23.846640	54.102797	2.288781	53.166091	2.229500	44178.
171 OTH PROF SER	53.684105	82.399735	1.534900	82.390000	1.534719	1608.
172 OTHER SERVIC	47.774333	78.812514	1.649683	76.251456	1.596076	185355.
173 ORD, ORD ACCS	59.762160	87.567643	1.465269	87.163243	1.458502	9689.
174 OUTDOOR REC	51.901536	80.375174	1.548609	80.266862	1.546522	12288.
175 SCRAP	12.825275	40.620577	3.167229	40.614774	3.166776	2417.

TOTAL EMPLOYMENT = 5987851.

