

Texas Water Development Board

PROJECT FUNDING REQUEST

BOARD DATE: September 1, 2022

Team Manager: Jeff Taylor

ACTION REQUESTED

Approve by resolution a request from the City of China (Jefferson County) for \$6,000,000 in financing from the Clean Water State Revolving Fund for planning, design, and construction of a wastewater treatment plant project.

STAFF RECOMMENDATION

Approve No Action

BACKGROUND

The City of China (City) is located in Jefferson County approximately 10 miles west of Beaumont, Texas. The City provides water and wastewater services to a population of approximately 1,230 residents and 600 connections.

PROJECT NEED AND DESCRIPTION

The City's existing 0.228 million gallons per day (MGD) wastewater treatment plant (WWTP) needs replacement due to deterioration. The existing WWTP is over 40 years old and frequently violates the total suspended solids parameter of its Texas Commission on Environmental Quality (TCEQ) permit. The existing WWTP is unable to properly treat ammonia nitrogen, which will be an upcoming permit limit that the City will be required to address. Additionally, the City will require re-rating of the WWTP through construction improvements since the flow has reached 75 percent of the permitted flow.

The City intends to construct a new 0.3 MGD at the site of the existing plant. The proposed WWTP construction improvements include new influent headworks and screen systems, three aeration basins, one clarifier, two digester basins, a chlorine contact chamber, a blower building, and an electrical building. The City also plans to demolish the existing deteriorated treatment units, reduce the existing flow equalization basin for the construction of the new treatment units, install a new emergency power backup generator, and make miscellaneous site improvements.

PROJECT SCHEDULE

Task	Schedule Date
Closing	December 15, 2022
Engineering Feasibility Report Completion (End of Planning Phase)	April 30, 2023
Design Phase	July 31, 2023
Start of Construction	October 1, 2023
Construction Completion	December 31, 2024

COMMITMENT PERIOD: TWELVE (12) MONTHS TO EXPIRE SEPTEMBER 30, 2023

KEY ISSUES

None

LEGAL

The special condition for this item is adoption of a water conservation plan.

Attachments:

1. Financial Review
2. Project Budget
3. Resolution (22-)
4. Water Conservation Review
5. Location Map

Financial Review

City of China

Attachment 1

Risk Score: 2C

Audit Reviewed: FY 2021

Key Indicators

Indicator	Result	Benchmark
Population Growth, Average Annual 2010-2020	County: 0.83%	State: 1.49%
Top 10 Customers % of Total Revenue	11%	10-15%
Median Household Income as % of State	75%	100%
Days of Cash on Hand (3-year Average)	170 days	30-149 days
Net Fixed Assets/ Annual Depreciation	14 years	12-24 years
Debt Service Coverage Ratio	0.0x	1.1x
Debt-to-Operating Revenues	9.04x	4.00-5.99x
Unemployment Rate (May, 2022)	City: 6.80%	State: 3.80%
Working Capital Ratio	2.77	> 1.0

Key Risk Score Strengths

- A high working capital ratio provides the City with ample resources to cover short-term liabilities and shows a strong liquidity position.
- The City's days of cash on hand is above the benchmark, indicating it has sufficient cash reserves for fiscal emergencies.

Key Risk Score Concerns

- The City is pledging ad valorem tax and water and sewer revenues to cover the obligation; however, they do not currently levy property taxes.
- Debt-to-operating revenues ratio is above benchmark due to the proposed obligation being supported by system revenues as well as operating revenues being relatively low.
- A debt service coverage ratio of 0.0x is significantly below the 1.1x coverage required; however, in June of 2021, the City raised water and sewer rates by \$18.10 and is currently in the process of implementing a second rate increase in the fall of 2022. Analysis of the City's unaudited financial statements indicate the City's revenues have increased compared to 2021 by 22.8 percent.
- Based on current audited financial statements and the recent rate increase, the City will need to implement a rate increase of \$1.87 in 2023 followed by a \$31.70 rate increase in 2024, with additional rates increases totaling \$3.46 needed by 2040.

PLEDGE

Legal Pledge Name	Ad Valorem Tax and Surplus Utility System Revenues
Type of Pledge	<input type="checkbox"/> Tax <input type="checkbox"/> Revenue <input checked="" type="checkbox"/> Tax & Revenue <input type="checkbox"/> Contract <input type="checkbox"/> Other
Revenue Pledge Level	<input type="checkbox"/> First <input type="checkbox"/> Second <input checked="" type="checkbox"/> Third <input type="checkbox"/> N/A

RATES AND CHARGES

Average Residential Use	Gallons/Month	Current Rates	Projected Rates (Year 2040)	Current Household Cost Factor	Projected Household Cost Factor
WATER	4,000	\$38.55	\$38.55	2.22	3.18
WASTEWATER	4,000	\$31.55	\$68.58		

TAXES

	2022 Tax Year Rate	Max Projected Tax Rate	Maximum Allowable Rate	3-Year Avg Current Tax Collections	Assessed Valuation
Maintenance & Operation	\$0.00	\$0.00	\$1.50	0%	\$64,126,672
Interest & Sinking	\$0.00	\$0.00			
Total Tax Rate	\$0.00	\$0.00			

Cost Savings

Based on a 30-year maturity schedule and current interest rates, the City could save approximately \$1,610,598 over the life of the financing.

Responsible Authority	China
Program	CWSRF
Commitment Number	L1001551
Project Number	73914
List Year	2021
Type of Pledge	Combo Tax and Revenue
Pledge Level (if applicable)	First Lien
Legal Description	\$6,000,000 City of China, Texas Utility System Combination Tax and Surplus Revenue Certificates of Obligation, Proposed Series 2022
Tax-exempt or Taxable	Tax-Exempt
Refinance	No
Outlay Requirement	Yes
Disbursement Method	Escrow
Outlay Type	Outlay <> Escrow Release
Qualifies as Disadvantaged	No
State Revolving Fund Type	Non-Equivalency
Financial Managerial & Technical Complete	N/A
Phases Funded	Planning, Design, and Construction
Pre-Design	Yes
Project Consistent with State Water Plan	N/A
Water Conservation Plan	Approvable
Overall Risk Score	2C

PROJECT TEAM

Team Manager	Financial Analyst	Engineering Reviewer	Environmental Reviewer	Attorney
Jeff Taylor	Rand Zeolla	Cody Cockayne	Gayla Duaine	Annette Mass

ISSUE BEING EVALUATED
FOR ILLUSTRATION PURPOSES ONLY
City of China, Texas

\$6,000,000 City of China, Texas Utility System Combination Tax and Surplus Revenue Certificates of Obligation, Proposed Series 2022

Dated Date: 12/15/2022	Source: CWSRF-NON-EQUIVALENCY
Delivery Date: 12/15/2022	Rate: 2.80%
First Interest: 3/1/2023	IUP Year: 2021
First Principal: 3/1/2024	Case: Tax and Surplus Revenue
Last Principal: 9/1/2053	Admin.Fee: \$103,194
Fiscal Year End: 09/30	Admin. Fee Payment Date: 12/15/2022
Required Coverage: 1.1	Assessed Value: 64,126,672

FISCAL YEAR	PROJECTED NET SYSTEM REVENUES	CURRENT DEBT SERVICE	\$6,000,000 ISSUE				TOTAL DEBT SERVICE	COVERAGE
			PRINCIPAL PAYMENT	INTEREST RATE	INTEREST PAYMENT	TOTAL PAYMENT		
2023	\$121,154	-	-	-	\$110,140	\$110,140	\$110,140	1.10
2024	312,122	-	130,000	1.75%	153,748	283,748	283,748	1.10
2025	315,072	-	135,000	1.75%	151,429	286,429	286,429	1.10
2026	315,072	-	135,000	1.75%	149,066	284,066	284,066	1.11
2027	315,326	-	140,000	1.75%	146,660	286,660	286,660	1.10
2028	318,083	-	145,000	1.75%	144,166	289,166	289,166	1.10
2029	320,735	-	150,000	1.76%	141,578	291,578	291,578	1.10
2030	323,215	-	155,000	1.84%	138,832	293,832	293,832	1.10
2031	325,465	-	160,000	1.91%	135,878	295,878	295,878	1.10
2032	325,465	-	160,000	1.97%	132,774	292,774	292,774	1.11
2033	325,465	-	165,000	2.15%	129,424	294,424	294,424	1.11
2034	325,465	-	170,000	2.27%	125,721	295,721	295,721	1.10
2035	326,389	-	175,000	2.37%	121,717	296,717	296,717	1.10
2036	327,182	-	180,000	2.45%	117,439	297,439	297,439	1.10
2037	327,683	-	185,000	2.53%	112,893	297,893	297,893	1.10
2038	327,902	-	190,000	2.59%	108,093	298,093	298,093	1.10
2039	327,902	-	195,000	2.65%	103,048	298,048	298,048	1.10
2040	332,967	-	205,000	2.70%	97,697	302,697	302,697	1.10
2041	332,967	-	210,000	2.75%	92,042	302,042	302,042	1.10
2042	332,967	-	215,000	2.81%	86,134	301,134	301,134	1.11
2043	332,967	-	220,000	2.84%	79,989	299,989	299,989	1.11
2044	332,967	-	225,000	2.88%	73,625	298,625	298,625	1.12
2045	332,967	-	235,000	2.91%	66,966	301,966	301,966	1.10
2046	332,967	-	240,000	2.93%	60,031	300,031	300,031	1.11
2047	332,967	-	245,000	2.95%	52,901	297,901	297,901	1.12
2048	332,967	-	255,000	2.97%	45,500	300,500	300,500	1.11
2049	332,967	-	260,000	2.99%	37,827	297,827	297,827	1.12
2050	332,967	-	270,000	3.01%	29,876	299,876	299,876	1.11
2051	332,967	-	275,000	3.03%	21,646	296,646	296,646	1.12
2052	332,967	-	285,000	3.04%	13,148	298,148	298,148	1.12
2053	332,967	-	290,000	3.04%	4,408	294,408	294,408	1.13
			\$0	\$6,000,000	\$2,984,392	\$8,984,392	\$8,984,392	

AVERAGE (MATURITY) LIFE	17.79 YEARS
NET INTEREST RATE	2.797%
COST SAVINGS	\$1,610,598
AVERAGE ANNUAL REQUIREMENT	\$289,819

Disclaimer: This is a working document and is provided as a courtesy. All information contained herein, including the proposed interest rate, is subject to change upon further review of the TWDB in accordance with 31 Texas Administrative Code Chapters 363, 371, 375, or 384, as applicable. The TWDB does not function as a financial advisor to anyone in connection with this financing. The information contained in this document is used by TWDB staff to analyze the application for financing is illustrative only and does not constitute any guaranty of future rates. The TWDB makes no claim regarding the applicability of the information at closing, at which time actual rates will be set.



Project Budget Summary
China
73914 - City of China WWTP
Improvements

Budget Items	TWDB Funds	Total
Construction		
Construction	\$4,500,000.00	\$4,500,000.00
Subtotal for Construction	\$4,500,000.00	\$4,500,000.00
Basic Engineering Services		
Construction Engineering	\$65,000.00	\$65,000.00
Design	\$181,000.00	\$181,000.00
Planning	\$36,000.00	\$36,000.00
Subtotal for Basic Engineering Services	\$282,000.00	\$282,000.00
Special Services		
Application	\$20,000.00	\$20,000.00
Environmental	\$25,000.00	\$25,000.00
Geotechnical	\$10,000.00	\$10,000.00
Inspection	\$121,000.00	\$121,000.00
O&M Manual	\$15,000.00	\$15,000.00
Permits	\$35,000.00	\$35,000.00
Surveying	\$12,000.00	\$12,000.00
Water Conservation Plan	\$20,000.00	\$20,000.00
Subtotal for Special Services	\$258,000.00	\$258,000.00
Fiscal Services		
Bond Counsel	\$47,000.00	\$47,000.00
Financial Advisor	\$147,000.00	\$147,000.00
Fiscal/Legal	\$9,500.00	\$9,500.00
Issuance Costs	\$11,500.00	\$11,500.00
Loan Origination Fee	\$103,194.00	\$103,194.00
Subtotal for Fiscal Services	\$318,194.00	\$318,194.00
Contingency		
Contingency	\$641,806.00	\$641,806.00
Subtotal for Contingency	\$641,806.00	\$641,806.00
Total	\$6,000,000.00	\$6,000,000.00

A RESOLUTION OF THE TEXAS WATER DEVELOPMENT BOARD
APPROVING AN APPLICATION FOR FINANCIAL ASSISTANCE IN THE AMOUNT OF
\$6,000,000 TO THE CITY OF CHINA
FROM THE CLEAN WATER STATE REVOLVING FUND
THROUGH THE PROPOSED PURCHASE OF
\$6,000,000 CITY OF CHINA, TEXAS UTILITY SYSTEM COMBINATION TAX AND SURPLUS
REVENUE CERTIFICATES OF OBLIGATION,
PROPOSED SERIES 2022

(22 -)

WHEREAS, the City of China (City), located in Jefferson County has filed an application for financial assistance in the amount of \$6,000,000 from the Clean Water State Revolving Fund (CWSRF) to finance the planning, design, and construction of certain wastewater system improvements identified as Project No. 73914; and

WHEREAS, the City seeks financial assistance from the Texas Water Development Board (TWDB) through the TWDB's proposed purchase of \$6,000,000 City of China, Texas Utility System Combination Tax and Surplus Revenue Certificates of Obligation, Proposed Series 2022 (together with all authorizing documents, "Obligations"), all as is more specifically set forth in the application and in recommendations of the TWDB's staff; and

WHEREAS, the City has offered a pledge of ad valorem tax and surplus revenue as sufficient security for the repayment of the Obligations; and

WHEREAS, the commitment is approved for funding under the TWDB's pre-design funding option, and initial and future releases of funds are subject to 31 TAC § 375.14; and

WHEREAS, the TWDB hereby finds:

1. that the revenue and/or taxes pledged by the City will be sufficient to meet all the Obligations assumed by the City, in accordance with Texas Water Code § 15.607;
2. that the application and assistance applied for meet the requirements of the Federal Water Pollution Control Act, 33 U.S.C. §§ 1251 *et seq.*, as well as state law, in accordance with Texas Water Code § 15.607;
3. that the City has submitted a proposed program of water conservation for the more efficient use of water that will meet reasonably anticipated local needs and conditions and that incorporates practices, techniques or technology prescribed by the Texas Water Code and TWDB's rules;
4. that the City has considered cost-effective, innovative, and nonconventional methods of treatment, in accordance with Texas Water Code § 15.007;

NOW THEREFORE, based on these findings, the TWDB resolves as follows:

A commitment is made by the TWDB to the City of China for financial assistance in the amount of \$6,000,000 from the Clean Water State Revolving Fund through the TWDB's proposed purchase of \$6,000,000 City of China, Texas Utility System Combination Tax and Surplus Revenue Certificates of Obligation, Proposed Series 2022. This commitment will expire on September 30, 2023.

Such commitment is conditioned as follows:

Standard Conditions:

1. this commitment is contingent on a future sale of bonds by the TWDB or on the availability of funds on hand;
2. this commitment is contingent upon the issuance of a written approving opinion of the Attorney General of the State of Texas stating that all of the requirements of the laws under which said Obligations were issued have been complied with; that said Obligations were issued in conformity with the Constitution and laws of the State of Texas; and that said Obligations are valid and binding obligations of the City;
3. this commitment is contingent upon the City's compliance with all applicable requirements contained in 31 TAC Chapter 375;
4. the Obligations must provide that the City agrees to comply with all of the conditions set forth in the TWDB Resolution, which conditions are incorporated herein;
5. the Obligations must provide that the Obligations can be called for early redemption on any date beginning on or after the first interest payment date which is 10 years from the dated date of the Obligations, at a redemption price of par, together with accrued interest to the date fixed for redemption;
6. the City, or an obligated person for whom financial or operating data is presented to the TWDB in the application for financial assistance either individually or in combination with other issuers of the City's Obligations or obligated persons, will, at a minimum, regardless of the amount of the Obligations, covenant to comply with requirements for continuing disclosure on an ongoing basis substantially in the manner required by Securities and Exchange Commission (SEC) in 17 CFR § 240.15c2-12 (Rule 15c2-12) and determined as if the TWDB were a Participating Underwriter within the meaning of such rule, such continuing disclosure undertaking being for the benefit of the TWDB and the beneficial owners of the City's Obligations, if the TWDB sells or otherwise transfers such Obligations, and the beneficial owners of the TWDB's bonds if the City is an obligated person with respect to such bonds under SEC Rule 15c2-12;

7. the Obligations must contain a provision requiring the City to levy a tax and/or maintain and collect sufficient rates and charges, as applicable, to produce system funds in an amount necessary to meet the debt service requirements of all outstanding obligations and to maintain the funds established and required by the Obligations;
8. the Obligations must include a provision requiring the City to use any loan proceeds from the Obligations that are determined to be remaining unused funds, which are those funds unspent after the original approved project is completed, for enhancements to the original project that are explicitly approved by the Executive Administrator or if no enhancements are authorized by the Executive Administrator, requiring the City to submit a final accounting and disposition of any unused funds;
9. the Obligations must include a provision requiring the City to use any loan proceeds from the Obligations that are determined to be surplus funds remaining after completion of the project and completion of a final accounting in a manner as approved by the Executive Administrator;
10. the Obligations must contain a provision that the TWDB may exercise all remedies available to it in law or equity, and any provision of the Obligations that restricts or limits the TWDB's full exercise of these remedies shall be of no force and effect;
11. loan proceeds are public funds and, as such, the Obligations must include a provision requiring that these proceeds shall be held at a designated state depository institution or other properly chartered and authorized institution in accordance with the Public Funds Investment Act, Government Code, Chapter 2256, and the Public Funds Collateral Act, Government Code, Chapter 2257;
12. loan proceeds shall not be used by the City when sampling, testing, removing or disposing of contaminated soils and/or media at the project site. The Obligations shall include an environmental indemnification provision wherein the City agrees to indemnify, hold harmless and protect the TWDB from any and all claims, causes of action or damages to the person or property of third parties arising from the sampling, analysis, transport, storage, treatment and disposition of any contaminated sewage sludge, contaminated sediments and/or contaminated media that may be generated by the City, its contractors, consultants, agents, officials and employees as a result of activities relating to the project to the extent permitted by law;
13. prior to closing, the City shall submit documentation evidencing the adoption and implementation of sufficient system rates and charges and/or the levy of an interest and sinking tax rate (if applicable) sufficient for the repayment of all system debt service requirements;

14. prior to closing, and if not previously provided with the application, the City shall submit executed contracts for engineering, and, if applicable, financial advisor and bond counsel contracts, for the project that are satisfactory to the Executive Administrator. Fees to be reimbursed under the contracts must be reasonable in relation to the services performed, reflected in the contract, and acceptable to the Executive Administrator;
15. prior to closing, when any portion of the financial assistance is to be held in escrow or in trust, the City shall execute an escrow or trust agreement, approved as to form and substance by the Executive Administrator, and shall submit that executed agreement to the TWDB;
16. the Executive Administrator may require that the City execute a separate financing agreement in form and substance acceptable to the Executive Administrator;
17. the Obligations must provide that the City will comply with all applicable TWDB laws and rules related to the use of the financial assistance;
18. the Obligations must provide that the City must comply with all conditions as specified in the final environmental finding of the Executive Administrator when issued, including the standard emergency discovery conditions for threatened and endangered species and cultural resources;
19. the Obligations must contain a provision requiring the City to maintain insurance coverage sufficient to protect the TWDB's interest in the project;

Conditions Related to Tax-Exempt Status:

20. the City's bond counsel must prepare a written opinion that states that the interest on the Obligations is excludable from gross income or is exempt from federal income taxation. Bond counsel may rely on covenants and representations of the City when rendering this opinion;
21. the City's bond counsel opinion must also state that the Obligations are not "private activity bonds." Bond counsel may rely on covenants and representations of the City when rendering this opinion;
22. the Obligations must include a provision prohibiting the City from using the proceeds of this loan in a manner that would cause the Obligations to become "private activity bonds" within the meaning of section 141 of the Internal Revenue Code of 1986, as amended (Code) and the Treasury Regulations promulgated thereunder (Regulations);
23. the Obligations must provide that no portion of the proceeds of the loan will be used, directly or indirectly, in a manner that would cause the Obligations to be "arbitrage bonds" within the meaning of section 148(a) of the Code and Regulations,

including to acquire or to replace funds which were used, directly or indirectly, to acquire Nonpurpose Investments (as defined in the Code and Regulations) which produce a yield materially higher than the yield on the TWDB's bonds that are issued to provide financing for the loan (Source Series Bonds), other than Nonpurpose Investments acquired with:

- a. proceeds of the TWDB's Source Series Bonds invested for a reasonable temporary period of up to three (3) years after the issue date of the Source Series Bonds until such proceeds are needed for the facilities to be financed;
 - b. amounts invested in a bona fide debt service fund, within the meaning of section 1.148-1(b) of the Regulations; and
 - c. amounts deposited in any reasonably required reserve or replacement fund to the extent such amounts do not exceed the least of maximum annual debt service on the Obligations, 125% of average annual debt service on the Obligations, or 10 percent of the stated principal amount (or, in the case of a discount, the issue price) of the Obligations;
24. the Obligations must include a provision requiring the City take all necessary steps to comply with the requirement that certain amounts earned on the investment of gross proceeds of the Obligations be rebated to the federal government in order to satisfy the requirements of section 148 of the Code. The Obligations must provide that the City will:
- a. account for all Gross Proceeds, as defined in the Code and Regulations, (including all receipts, expenditures and investments thereof) on its books of account separately and apart from all other funds (and receipts, expenditures and investments thereof) and retain all records of such accounting for at least six years after the final Computation Date. The City may, however, to the extent permitted by law, commingle Gross Proceeds of its loan with other money of the City, provided that the City separately accounts for each receipt and expenditure of such Gross Proceeds and the obligations acquired therewith;
 - b. calculate the Rebate Amount, as defined in the Code and Regulations, with respect to its loan, not less frequently than each Computation Date, in accordance with rules set forth in section 148(f) of the Code, section 1.148-3 of the Regulations, and the rulings thereunder. The City shall maintain a copy of such calculations for at least six years after the final Computation Date;
 - c. as additional consideration for the making of the loan, and in order to induce the making of the loan by measures designed to ensure the excludability of the interest on the TWDB's Source Series Bonds from the gross income of the owners thereof for federal income tax purposes, pay to the United States the

amount described in paragraph (b) above within 30 days after each Computation Date;

- d. exercise reasonable diligence to assure that no errors are made in the calculations required by paragraph (b) and, if such error is made, to discover and promptly to correct such error within a reasonable amount of time thereafter, including payment to the United States of any interest and any penalty required by the Regulations;
25. the Obligations must include a provision prohibiting the City from taking any action that would cause the interest on the Obligations to be includable in gross income for federal income tax purposes;
26. the Obligations must provide that the City will not cause or permit the Obligations to be treated as “federally guaranteed” obligations within the meaning of section 149(b) of the Code;
27. the transcript must include a No Arbitrage Certificate or similar Federal Tax Certificate setting forth the City’s reasonable expectations regarding the use, expenditure and investment of the proceeds of the Obligations;
28. the Obligations must contain a provision that the City will refrain from using the proceeds provided by this TWDB commitment or the proceeds of any prior bonds to pay debt service on another issue more than 90 days after the date of issue of the Obligations in contravention of the requirements of section 149(d) of the Code (relating to advance refundings);
29. the transcript must include evidence that the information reporting requirements of section 149(e) of the Code will be satisfied. This requirement may be satisfied by filing an IRS Form 8038 with the Internal Revenue Service. In addition, the applicable completed IRS Form 8038 or other evidence that the information reporting requirements of section 149(e) have been satisfied must be provided to the Executive Administrator within fourteen (14) days of closing. The Executive Administrator may withhold the release of funds for failure to comply;
30. the Obligations must provide that neither the City nor a related party thereto will acquire any of the TWDB’s Source Series Bonds in an amount related to the amount of the Obligations to be acquired from the City by the TWDB;

State Revolving Fund Conditions:

31. the City shall submit outlay reports with sufficient documentation on costs on a quarterly or monthly basis in accordance with TWDB outlay report guidelines;

32. the Obligations must include a provision stating that all laborers and mechanics employed by contractors and subcontractors for projects shall be paid wages at rates not less than those prevailing on projects of a similar character in the locality in accordance with the Davis-Bacon Act, and the U.S. Department of Labor's implementing regulations. The City, all contractors, and all sub-contractors shall ensure that all project contracts mandate compliance with Davis-Bacon. All contracts and subcontracts for the construction of the project carried out in whole or in part with financial assistance made available as provided herein shall insert in full in any contract in excess of \$2,000 the contracts clauses as provided by the TWDB;
33. the Obligations must include a provision stating that the City shall provide the TWDB with all information required to be reported in accordance with the Federal Funding Accountability and Transparency Act of 2006, Pub. L. 109-282, as amended by Pub. L. 110-252. The City shall obtain a Data Universal Numbering System (DUNS) Number and shall register with System for Award Management (SAM), and maintain current registration at all times during which the Obligations are outstanding;
34. the Obligations shall provide that all loan proceeds will be timely and expeditiously used, as required by 40 CFR § 35.3135(d), and also shall provide that the City will adhere to the approved project schedule;
35. the Obligations must contain a covenant that the City will abide by all applicable construction contract requirements related to the use of iron and steel products produced in the United States, as required by 31 TAC § 375.3, 33 U.S.C. § 1388, and related State Revolving Fund Policy Guidelines;
36. the Obligations must contain language detailing compliance with the requirements set forth in 33 U.S.C. § 1382 *et seq.* related to maintaining project accounts containing financial assistance for planning, design, acquisition, or construction, as applicable, in accordance with generally accepted accounting principles (GAAP). These standards and principles also apply to the reporting of underlying infrastructure assets;
37. The Obligations must contain a covenant that the City shall abide by the prohibition on certain telecommunications and video surveillance services or equipment as required by 2 CFR § 200.216;
38. the City shall submit, prior to the release of funds, a schedule of the useful life of the project components prepared by an engineer as well as a certification by the applicant that the average weighted maturity of the obligations purchased by the TWDB does not exceed 120% of the average projected useful life of the project, as determined by the schedule;

Clean Water State Revolving Fund Conditions:

39. the City shall pay at closing an origination fee approved by the Executive Administrator of the TWDB pursuant 31 TAC Chapter 375;
40. at the TWDB's option, the TWDB may fund the financial assistance under this Resolution with either available cash-on-hand or from bond proceeds. If the financial assistance is funded with available cash-on-hand, the TWDB reserves the right to change the designated source of funds to bond proceeds issued for the purpose of reimbursing funds used to provide the financial assistance approved in this Resolution;

Pledge Conditions for the Loan:

41. the Obligations must contain a provision that provides as follows:
 - a. if system revenues are actually on deposit in the Interest and Sinking Fund in advance of the time when ad valorem taxes are scheduled to be levied for any year, then the amount of taxes which otherwise would have been required to be levied and collected may be reduced to the extent and by the amount of revenues then on deposit in the Interest and Sinking Fund; or
 - b. if surplus revenues are based upon budgeted amounts:
 - i. the Obligations must include a requirement that the City transfer and deposit in the Interest and Sinking Fund each month an amount of not less than 1/12th of the annual debt service on the Obligations until the amount on deposit in the Interest and Sinking Fund equals the amount required for annual debt service on the Obligations; further, that the ordinance authorizing the issuance of the Obligations must include a requirement that the City shall not transfer any funds from the City's pledged system revenues to any fund other than the Interest and Sinking Fund until such time as an amount equal to the annual debt service on the Obligations for the then-current fiscal year has been deposited in the Interest and Sinking Fund;
 - ii. the Obligations must include a requirement that for each year the Obligations are outstanding, and prior to the time taxes are to be levied for such year, the City shall establish, adopt, and maintain an annual budget that provides for either the monthly deposit of sufficient surplus pledged revenues and/or tax revenues, the monthly deposit of any other legally available funds on hand at the time of the adoption of the annual budget, or a combination thereof, into the Interest and Sinking Fund for the repayment of the Obligations; and

- iii. the Obligations must include a requirement that the City shall at all times maintain and collect sufficient rates and charges in conjunction with any other legally available funds so that after payment of the costs of operating and maintaining the system, it produces revenues in an amount not less than 1.10 times debt service requirements of all outstanding Obligations of the City and other obligations of the City which are secured in whole or in part by the pledged revenues, for which the City is budgeting the repayment of such Obligations, or the City shall provide documentation which evidences the levy and collection of an ad valorem tax rate dedicated to the Interest and Sinking Fund, in conjunction with any other legally available funds, sufficient for the repayment of debt service requirements.

PROVIDED, however, the commitment is subject to the following special condition:

Special Condition:

- 42. prior to closing, the City must adopt and implement the water conservation program approved by the TWDB.

APPROVED and ordered of record this 1st day, of September, 2022.

TEXAS WATER DEVELOPMENT BOARD

Brooke T. Paup, Chairwoman

DATE SIGNED: _____

ATTEST:

Jeff Walker, Executive Administrator

Water
Wastewater
Other

WATER CONSERVATION REVIEW

Review Date:
Project ID:

Entity:

Other entity:

WATER CONSERVATION PLAN DATE: **Approvable** **Adopted**

	Total GPCD	Residential GPCD	Water Loss GPCD
Baseline			
5-year Goal			
10-year Goal			

WATER LOSS AUDIT YEAR:

Service connections:	Length of main lines (miles):	Water Loss
Retail population:	Connections per mile:	(gal/connection/day):
		Water Loss GPCD:
		ILI ¹ :

1 – Infrastructure Leakage Index only applicable if > 16 connections per mile and > 3,000 service connections

WATER LOSS THRESHOLDS Water Loss Project:

	Apparent Loss Gallons per connection per day	Real Loss Gallons per mile per day	Real Loss Gallons per connection per day	Apparent Loss Threshold Gallons per connection per day	Real Loss Threshold Gallons per mile per day	Real Loss Threshold Gallons per connection per day
Wholesale Adjusted:						
<u>Threshold Type</u>						

Does the applicant meet Water Loss Threshold Requirements? **Yes** **No** **NA**

ADDITIONAL INFORMATION

STAFF NOTES AND RECOMMENDATIONS

DEFINITIONS

Adopted refers to a water conservation plan that meets the minimum requirements of the water conservation plan rules and has been formally approved and adopted by the applicant's governing body.

Apparent losses are paper losses that occur when the water reaches a customer, but the volume is not accurately measured and/or recorded due to unauthorized consumption, customer meter inaccuracy, or billing system and collection data errors.

Approvable refers to a water conservation plan that substantially meets the minimum requirements of the water conservation plan rules but has not yet been adopted by the applicant's governing body.

Best Management Practices are voluntary efficiency measures that save a quantifiable amount of water, either directly or indirectly, and that can be implemented within a specific time frame.

GPCD means gallons per capita per day.

Infrastructure Leakage Index (ILI) is the current annual real loss divided by the unavoidable annual real loss (theoretical minimum real loss) and only applies to utilities with more than 3,000 connections and a connection density of more than 16 connections per mile. The **ILI** is recommended to be less than 3 if water resources are greatly limited and difficult to develop, between 3 and 5 if water resources are adequate to meet long-term needs but water conservation is included in long-term water planning, and between 5 and 8 if water resources are plentiful, reliable, and easily extracted. The **ILI** is recommended as a bench marking tool, but until there is increased data validity of the variables used in the calculation, the **ILI** should be viewed with care.

NA means not applicable.

Real losses are the physical losses, largely leakage, from the infrastructure: mains, valves, and storage tank overflows. Real loss constitutes background leakage (unreported and difficult to detect), unreported leakage (leaks that do not surface but could be detected), and reported leakage (leaks that often surface and those that are detected by the utility through leak detection).

Residential GPCD is the amount of residential water use (single and multi-family customer use) divided by the residential population divided by 365.

Total GPCD is the amount of total system input volume divided by the retail population divided by 365.

Total water loss is the sum of the apparent and real water losses.

Water loss is the difference between the input volume and the authorized consumption within a water system. Water Loss consists of real losses and apparent losses.

Water Loss GPCD is the amount of water loss divided by the retail population divided by 365.

Water Loss per Connection per Day Calculated as the water loss volume divided by the number service connections divided by 365. This indicator allows for reliable performance tracking in the water utility's efforts to reduce water losses. It replaces water loss percentage.

Water Loss Thresholds are levels of real and apparent water loss determined by the size and connection density of a retail public utility, at or above which a utility receiving financial assistance from the Texas Water Development Board must use a portion of that financial assistance to mitigate the utility's system water loss.

Wholesale Adjusted represents that some utilities provide large volumes of wholesale water to other providers that travel through the general distribution system, so a calculation has been established to adjust for that volume of wholesale water. These adjustments are only applicable for use in determining whether a utility meets or exceeds water loss thresholds in review of their application for financial assistance. These adjustments should not be used for performance tracking or benchmarking.



City of China Jefferson County

