

Texas Water Development Board

PROJECT FUNDING REQUEST

BOARD DATE: June 6, 2023

Team Manager: Dain Larsen

ACTION REQUESTED

Consider approving by resolution a request from the City of Pflugerville (Travis County) for \$30,600,000 in financing from the Clean Water State Revolving Fund for planning, acquisition, design, and construction of wastewater system improvements.

STAFF RECOMMENDATION

Approve No Action

BACKGROUND

The City of Pflugerville (City) is in Travis County, sharing a city boundary with the City of Austin and City of Round Rock to the west. The City provides water and wastewater services to a population of approximately 63,754 with approximately 21,343 water and 22,531 wastewater accounts.

PROJECT NEED AND DESCRIPTION

In 2021, the City received an enforcement action from the Texas Commission on Environmental Quality for exceeding the permitted treatment capacity at the Central Wastewater Treatment Plant. The City first reported exceeding the 5.3 million gallons per day (MGD) capacity in 2020 and was at 118 percent of capacity in 2021. In 2017, the City began planning and design to expand the treatment plant to 10 MGD in two phases, and in 2023 completed the first phase of construction to increase capacity to 7.25 MGD. The City not only needs to expand the wastewater treatment capacity, but also needs to improve operational flexibility with its second wastewater treatment plant, and expand its existing reclaimed water system.

The proposed project is to expand the capacity of the Central Wastewater Treatment Plant from 7.25 to 10 MGD. Additional needed improvements include a new influent lift station pump, filter improvements, replacement of existing clarifier mechanical equipment, and a new effluent pump station. The City is also transitioning to gravity conveyance in the area, which requires decommissioning two lift stations and constructing 8-inch and 12-inch wastewater interceptors. The City will also complete a reclaimed water master planning study.

COMMITMENT PERIOD: TWELVE (12) MONTHS TO EXPIRE JUNE 30, 2024
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PROJECT SCHEDULE

Task	Schedule Date
Closing	December 1, 2023
Engineering Feasibility Report Completion (End of Planning Phase)	September 14, 2023
Design Phase Completion	October 14, 2023
Start of Construction	November 14, 2024
Construction Completion	December 1, 2025

KEY ISSUES

None.

Attachments

1. Project Data Summary
2. Project Budget
3. Resolution (23-)
4. Water Conservation Review
5. Location Map

Financial Review City of Pflugerville

Risk Score: 2B

Audit Reviewed: FY 2022

Key Indicators

Indicator	Result	Benchmark
Population Growth, Average Annual 2010-2020	City: 3.34%	State: 1.49%
Top 10 Customers % of Total Revenue	16%	10-15%
Median Household Income as % of State	151%	100%
Days of Cash on Hand (3-year Average)	177 days	30-149 days
Net Fixed Assets/ Annual Depreciation	49 years	12-24 years
Debt Service Coverage Ratio	0.91x	1.0x
Debt-to-Operating Revenues	6.26x	4.00-5.99x
Unemployment Rate (March 2023)	Pflugerville: 3.80%	State: 4.20%
Working Capital Ratio	0.71	> 1.0

Key Risk Score Strengths

- The City's population, water and sewer connections, net revenues, sales tax revenues, and assessed valuations of taxable properties have continued to grow at a rapid pace over the last several years.
- The City's days of cash on hand is above the benchmark, indicating sufficient cash reserves for operating expenses.
- The City completed a rate study to assist with rate management over the next several years.

Key Risk Score Concerns

- The debt per capita is higher than the benchmark but this is mitigated by the high median household income and projected population growth.
- Based on audited revenues, the City would need a max rate increase of \$15.56 by 2051; however, the City proactively implemented monthly rate increases of \$15.00 for water and \$6.00 for wastewater in October of 2022, in anticipation of the proposed debt. Using a no-growth scenario with the October rate increases, the projected net revenues to service existing and proposed debt would be sufficient for the life of the obligation.
- Debt-to-operating revenues ratio is above benchmark due to system revenues supporting water and wastewater infrastructure debt, which is needed to accommodate growth.
- The top 10 customers of the water system are slightly higher than the benchmark; however, the largest water revenue customer is Manville Water Supply Corporation, a wholesale customer that accounts for 5.61 percent of the revenues.

PLEDGE

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

RATES AND CHARGES

Average Residential Use	Gallons/Month	Current Rates*	Projected Rates	Current Household Cost Factor	Projected Household Cost Factor
Water	8,000	\$72.10	\$72.10	1.65	1.65
Wastewater	5,000	\$57.00	\$57.00		

*Includes October 2022 rate increases.

Cost Savings

Based on a 29-year maturity schedule and current interest rates, the City could save approximately \$8,952,358 over the life of the financing.

Responsible Authority	Pflugerville
Program	CWSRF
Commitment Number	L1001636
Project Number	73942
List Year	2023
Type of Pledge	Revenue Pledge
Pledge Level (if applicable)	First Lien
Legal Description	\$30,600,000 City of Pflugerville, Texas Utility System Revenues Bonds, Proposed Series 2023A
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, Acquisition, Design, and Construction
Pre-Design	Yes
Project Consistent with State Water Plan	Yes
Water Conservation Plan	Adopted
Overall Risk Score	2B

PROJECT TEAM

Team Manager	Financial Analyst	Engineering Reviewer	Environmental Reviewer	Attorney
Dain Larsen	Caaren Skrobarczyk	Shubham Aggarwal	Kristin Miller	Marshall Walters

ISSUE BEING EVALUATED
FOR ILLUSTRATION PURPOSES ONLY
City of Pflugerville

\$30,600,000 City of Pflugerville, Texas Utility System Revenue Bonds, Proposed Series 2023A

Dated Date: 12/1/2023	Source: CWSRF-NON-EQUIVALENCY
Delivery Date: 12/1/2023	Rate: 2.59%
First Interest: 3/15/2024	IUP Year: 2023
First Principal: 3/15/2026	Case: Revenue
Last Principal: 3/15/2052	Admin.Fee: \$526,290
Fiscal Year End: 09/30	Admin. Fee Payment Date: 12/1/2023
Required Coverage: 1.0	

FISCAL YEAR	*PROJECTED NET SYSTEM REVENUES	CURRENT DEBT SERVICE	\$30,600,000 ISSUE				TOTAL DEBT	
			PRINCIPAL PAYMENT	INTEREST RATE	INTEREST PAYMENT	TOTAL PAYMENT	SERVICE	COVERAGE
2024	\$19,635,118	\$10,855,706	\$0	1.64%	\$586,316	\$586,316	\$11,442,022	1.72
2025	19,635,118	12,383,428	\$0	1.57%	743,218	743,218	13,126,646	1.50
2026	19,635,118	14,777,871	250,000	1.51%	741,330	991,330	15,769,201	1.25
2027	19,635,118	15,209,844	275,000	1.48%	737,408	1,012,408	16,222,252	1.21
2028	19,635,118	15,555,081	300,000	1.49%	733,138	1,033,138	16,588,219	1.18
2029	19,635,118	16,599,884	630,000	1.49%	726,209	1,356,209	17,956,093	1.09
2030	19,635,118	16,631,274	700,000	1.50%	716,266	1,416,266	18,047,540	1.09
2031	19,635,118	16,629,338	725,000	1.52%	705,506	1,430,506	18,059,844	1.09
2032	19,635,118	16,638,278	775,000	1.55%	693,989	1,468,989	18,107,267	1.08
2033	19,635,118	16,673,167	840,000	1.58%	681,347	1,521,347	18,194,514	1.08
2034	19,635,118	16,665,270	875,000	1.76%	667,011	1,542,011	18,207,281	1.08
2035	19,635,118	16,645,604	900,000	1.94%	650,581	1,550,581	18,196,185	1.08
2036	19,635,118	16,638,014	935,000	2.11%	631,987	1,566,987	18,205,001	1.08
2037	19,635,118	16,642,980	985,000	2.26%	610,992	1,595,992	18,238,972	1.08
2038	19,635,118	16,645,253	1,025,000	2.37%	587,715	1,612,715	18,257,968	1.08
2039	19,635,118	16,694,149	1,130,000	2.42%	561,896	1,691,896	18,386,045	1.07
2040	19,635,118	16,694,713	1,180,000	2.49%	533,532	1,713,532	18,408,245	1.07
2041	19,635,118	16,696,234	1,235,000	2.54%	503,157	1,738,157	18,434,391	1.07
2042	19,635,118	16,692,841	1,290,000	2.57%	470,896	1,760,896	18,453,737	1.06
2043	19,635,118	16,699,566	1,345,000	2.63%	436,632	1,781,632	18,481,198	1.06
2044	19,635,118	16,695,926	1,410,000	2.67%	400,122	1,810,122	18,506,048	1.06
2045	19,635,118	16,696,318	1,470,000	2.68%	361,601	1,831,601	18,527,919	1.06
2046	19,635,118	16,690,262	1,535,000	2.72%	321,027	1,856,027	18,546,289	1.06
2047	19,635,118	16,692,206	1,605,000	2.74%	278,162	1,883,162	18,575,368	1.06
2048	19,635,118	16,696,302	1,680,000	2.76%	232,990	1,912,990	18,609,292	1.06
2049	19,635,118	16,696,657	1,755,000	2.78%	185,411	1,940,411	18,637,068	1.05
2050	19,635,118	16,692,793	1,835,000	2.79%	135,418	1,970,418	18,663,211	1.05
2051	19,635,118	16,698,905	1,915,000	2.80%	83,010	1,998,010	18,696,915	1.05
2052	19,635,118	16,178,935	2,000,000	2.81%	28,100	2,028,100	18,207,035	1.08
		\$468,406,799	\$30,600,000		\$14,744,963	\$45,344,963	\$513,751,762	

*Includes \$15 water & \$6 sewer monthly rate increase implemented October 2022

AVERAGE (MATURITY) LIFE	18.61 YEARS
NET INTEREST RATE	2.59%
COST SAVINGS	\$8,952,358
AVERAGE ANNUAL REQUIREMENT	\$1,563,619

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
Pflugerville
73942 - Central Wastewater Treatment Plant
Expansion Phase II

Budget Items	TWDB Funds	Total
Construction		
Construction	\$20,855,099.00	\$20,855,099.00
Subtotal for Construction	\$20,855,099.00	\$20,855,099.00
Basic Engineering Services		
Construction Engineering	\$958,752.00	\$958,752.00
Design	\$2,306,891.00	\$2,306,891.00
Planning	\$671,881.00	\$671,881.00
Subtotal for Basic Engineering Services	\$3,937,524.00	\$3,937,524.00
Special Services		
Application	\$21,000.00	\$21,000.00
Environmental	\$135,000.00	\$135,000.00
Geotechnical	\$80,000.00	\$80,000.00
Inspection	\$625,000.00	\$625,000.00
O&M Manual	\$15,000.00	\$15,000.00
Permits	\$30,000.00	\$30,000.00
Project Management (by engineer)	\$325,000.00	\$325,000.00
Surveying	\$311,496.00	\$311,496.00
Testing	\$207,502.00	\$207,502.00
Subtotal for Special Services	\$1,749,998.00	\$1,749,998.00
Fiscal Services		
Bond Counsel	\$60,000.00	\$60,000.00
Financial Advisor	\$65,000.00	\$65,000.00
Issuance Costs	\$1,500.00	\$1,500.00
Loan Origination Fee	\$526,290.00	\$526,290.00
Subtotal for Fiscal Services	\$652,790.00	\$652,790.00
Other		
Land/Easements Acquisition	\$685,000.00	\$685,000.00
Subtotal for Other	\$685,000.00	\$685,000.00
Contingency		
Contingency	\$2,719,589.00	\$2,719,589.00
Subtotal for Contingency	\$2,719,589.00	\$2,719,589.00
Total	\$30,600,000.00	\$30,600,000.00

A RESOLUTION OF THE TEXAS WATER DEVELOPMENT BOARD
APPROVING AN APPLICATION FOR FINANCIAL ASSISTANCE IN THE AMOUNT OF
\$30,600,000 TO THE CITY OF PFLUGERVILLE
FROM THE CLEAN WATER STATE REVOLVING FUND
THROUGH THE PROPOSED PURCHASE OF
\$30,600,000 CITY OF PFLUGERVILLE, TEXAS
UTILITY SYSTEM REVENUE BONDS,
PROPOSED SERIES 2023A

(23 -)

WHEREAS, the City of Pflugerville (City), located in Travis County has filed an application for financial assistance in the amount of \$30,600,000 from the Clean Water State Revolving Fund (CWSRF) to finance the planning, acquisition, design, and construction of certain wastewater system improvements identified as Project No. 73942; and

WHEREAS, the City seeks financial assistance from the Texas Water Development Board (TWDB) through the TWDB's proposed purchase of \$30,600,000 City of Pflugerville, Texas Utility System Revenue Bonds, Proposed Series 2023A (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 first lien on the net revenues of the City's utility system 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 adopted and implemented a water conservation program 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 term of the Obligations does not exceed the expected useful life of the project proposed by the City;

5. 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 Pflugerville for financial assistance in the amount of \$30,600,000 from the Clean Water State Revolving Fund through the TWDB's proposed purchase of \$30,600,000 City of Pflugerville, Texas Utility System Revenue Bonds, Proposed Series 2023A. This commitment will expire on June 30, 2024.

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 as determined by the TWDB. 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;
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;
20. the City must immediately notify the TWDB, in writing, of any suit against it by the Attorney General of Texas under Texas Penal Code § 1.10(f) (related to federal laws regulating firearms, firearm accessories, and firearm ammunition);
21. the Obligations must provide that the City will submit annually, an audit prepared by a certified public accountant in accordance with generally accepted auditing standards;

Conditions Related to Tax-Exempt Status:

22. 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;

23. 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;
24. 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);
25. 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;
26. 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;
27. 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;
28. 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;
29. 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;
30. 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);
31. 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;

32. 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;
33. prior to closing, the City shall provide certification that the average weighted maturity of the Obligations purchased by the TWDB does not exceed 120% of the average reasonably expected economic life of the Project;

State Revolving Fund Conditions:

34. the City shall submit outlay reports with sufficient documentation on costs on a quarterly or monthly basis in accordance with TWDB outlay report guidelines;
35. 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;
36. 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;
37. 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;
38. 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;
39. 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;

40. 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;
41. the City shall submit, prior to the release of funds, a schedule of the useful life of the project components prepared by an engineer;

Clean Water State Revolving Fund Conditions:

42. the City shall pay at closing an origination fee approved by the Executive Administrator of the TWDB pursuant 31 TAC Chapter 375;

Pledge Conditions for the Loan:

43. the Obligations must require the accumulation of a reserve fund of no less than average annual debt service requirements, to be accumulated in equal monthly installments over the initial sixty (60) months following the issuance of the Obligations;
44. if the City has existing revenue obligations with the same pledge of security as the proposed Obligations that will remain outstanding after any loan(s) made by the TWDB pursuant to this commitment, the lien or liens securing the Obligations issued to the TWDB shall be at least on a parity with lien or liens securing such outstanding obligations;
45. the Obligations must contain a provision providing that additional revenue obligations may only be incurred if net system revenues are at least 1.25 times the average annual debt service requirements of debt on parity with the Obligations and 1.10 times average annual debt service requirements of any subordinated debt after giving effect to the additional obligations when net revenues are a) determined from the last completed fiscal year or a 12 consecutive calendar month period ending not more than ninety (90) days preceding the adoption of the additional obligations as certified by the City's Chief Financial Officer; or b) the City certifies that the City is expected to continue to meet or exceed the net system revenue test with a minimum coverage 1.25 times the average annual debt service requirements of debt on parity with the Obligations and 1.10 times average annual debt service requirements of any subordinated debt. An authorized representative of the City must provide the calculations, identifying reasonable assumptions, in a manner and format that is acceptable to the Executive Administrator.

APPROVED and ordered of record this 6th day of June 2023.

TEXAS WATER DEVELOPMENT BOARD

Brooke T. Paup, Chairwoman

DATE SIGNED: _____

ATTEST:

Jeff Walker, Executive Administrator

Review Date:

Project ID:

Water
Wastewater
Other

WATER CONSERVATION REVIEW

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 GCD:

Retail population:

Connections per mile:

Water Loss GPCD:

ILI¹:

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

WATER LOSS THRESHOLDS

Water Loss Project:

Wholesale Adjusted:

Threshold Type:

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

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.

GCD means gallons per connection 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 Pflugerville Travis County

