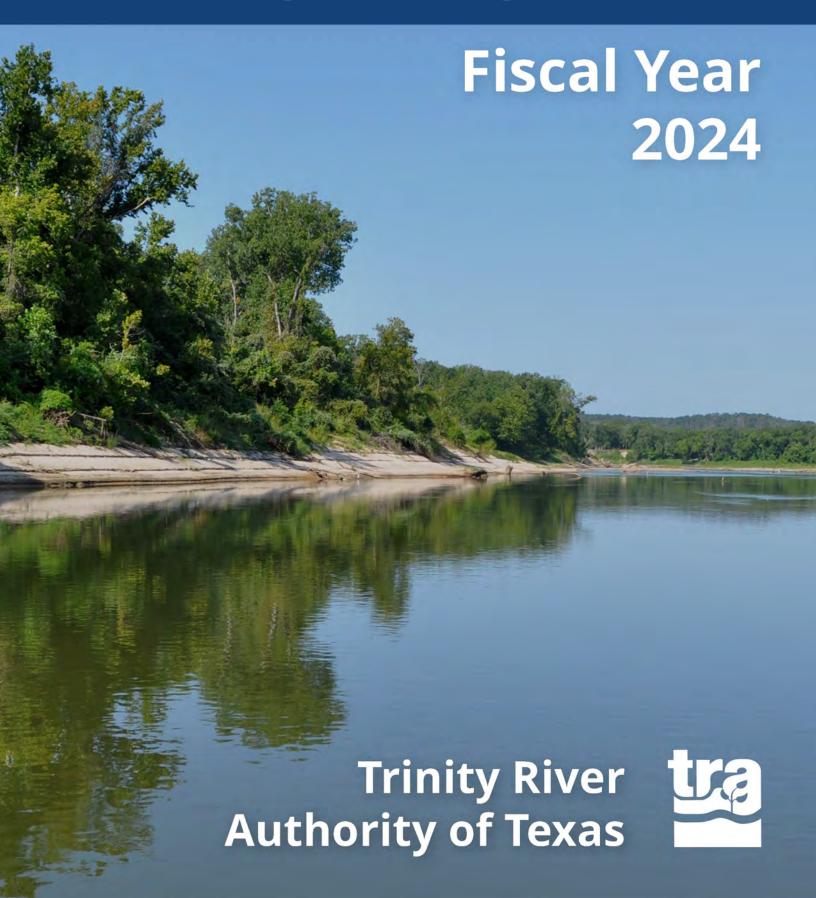
ANNUAL BUDGET



TRINITY RIVER AUTHORITY OF TEXAS

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ON THE COVER:

The cover photo captures nature at its finest. The beauty of the sky, trees, and water brings to mind how TRA is at the nexus of what is reflected in this photo. Every day, the Trinity River Authority of Texas fulfills its commitment to being a good steward of one of the world's most precious resources, water. In fact, water is the single-most essential element to life. TRA reclaims used water at our wastewater treatment facilities and returns it to nature.

THE TRA MISSION

The Trinity River Authority's mission is to promote conservation, reclamation, protection and development of the natural resources of the river basin for the benefit of the public.

OUR SHARED VISION

The Trinity River Authority of Texas is an innovative, adaptive leader, enriching the Trinity basin as a resource for Texans.

TRA CORE VALUES

Integrity — Excellence — Accountability — Teamwork — Professionalism

The Trinity River Authority of Texas is a conservation and reclamation district providing water and wastewater treatment, along with recreation and reservoir facilities, for municipalities within the nearly 18,000-square-mile Trinity River basin. TRA owns and operates four water treatment facilities, five wastewater treatment facilities and one recreation project, and manages water sales from four reservoirs. The services TRA provides are contracted for by cities and districts. TRA also maintains a master plan for basin-wide development, and serves as a conduit for tax-exempt financing for municipal projects and as a local sponsor for federal water projects. Each TRA operating project is accounted for as an independent financial entity, and TRA receives no tax revenues or appropriations.

General Office



July 26, 2023

Members of the Board of Directors:

We are pleased to present the Annual Operating Budget of the Trinity River Authority of Texas (Authority) for Fiscal Year 2024, which begins December 1, 2023 and ends November 30, 2024. The Authority's General Manager is responsible for the preparation of a recommended annual budget to govern all operations of the Authority for each fiscal year. Management's proposed budget for Fiscal Year 2024 (FY24) is transmitted with this letter.

The Authority's Annual Budget serves two basic purposes. First, it is a planning device that quantifies the cost of the work that the Authority plans to accomplish during the fiscal year. Management's goals for FY24 are stated in this letter and represent the Authority's proposed work program for FY24. Those goals reflect the General Manager's best judgment as to what activities the Authority will carry out during the upcoming fiscal year. Second, the budget serves as a fiscal control device that governs the achievement of the Authority's goals. The annual budget is the fiscal vehicle through which the Authority accomplishes the planning and execution of its operational and administrative programs.

<u>FY24 BUDGET</u>: It is anticipated that the Authority will begin FY24 with \$137,049,457 of operating and internal service funds on hand and will collect \$472,486,388 of revenues during FY24, bringing the amount of funds available to \$609,535,845. Estimated operating and internal service funds on hand, exclusive of debt service reserves, construction funds and certain restricted cash accounts at the end of FY24 are projected to be \$147,046,781. A large portion of these operating funds are accumulated debt service revenue that will be applied to debt service payments in the subsequent budget year.

The proposed budget includes expenses of \$457,739,064, which is an increase of \$63,179,747 or 16.01% from the Fiscal Year 2023 (FY23) Budget of \$394,559,317. Budgeted expenses by fund are provided in the Combined Budget Summary by Fund. A summary of FY24 budgeted expenses by category is as follows:

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BOARD OF DIRECTORS TRINITY RIVER AUTHORITY OF TEXAS July 26, 2023 Page 2

EXPENSES	FY22 Actual	Current FY23 Budget	Proposed FY24 Budget
Salaries and Benefits	\$65,587,975	\$63,721,417	\$70,183,800
Supplies	16,939,892	23,030,462	26,348,752
Other Services and Charges	102,661,933	112,619,215	125,639,668
Capital Outlays	3,060,726	3,051,537	4,241,896
Transfers and Miscellaneous	11,821,792	13,090,740	13,505,307
Debt Service	156,872,557	179,045,946	217,819,641
Total Expenses	\$356,944,875	\$394,559,317	\$457,739,064

The following are explanations of key changes in expenses when compared to the FY24 Budget:

- Salary and benefit related costs will increase \$6,462,383 or 10.14% over the FY23 budget.
 - Salaries, payroll taxes, pension and other benefits represent \$4,135,153 of the expense increase. Mostly attributable to eight new full-time positions; two part-time positions reclassified to full-time and one full-time position adjusted during FY23. The Comparison of Budgeted Personnel by Project provides a position count of the eighteen funds employing personnel and a comparison to FY23. The increase also reflects the impact of merit, progressions and promotions for skilled employees and market adjustments in accordance with the Salary Administration Plan.
 - Employee Benefits related to health and life insurance represents \$2,327,230 of the expense increase. This includes an increase in health claims in the Staywell Health Insurance Internal Service Fund and the insurance premiums charged to Authority funds based on employee count and coverage selections. The proposed Staywell expense budget will increase \$785,543 or 8.89% over FY23 and insurance premiums will increase by \$1,403,521 or 17.10% to maintain a sufficient reserve for claims as healthcare related costs are anticipated to exceed budget in the current fiscal year. Insurance premium rates charged to the funds have not increased in the last five years.
- In the Supplies category, budgeted expenses are anticipated to increase by \$3,318,290 or 14.41%. Major account contributors to this increase are:
 - Maintenance and operating supplies are projected to increase by \$143,158
 (20.04%) mostly attributable to the replacement of discontinued air monitors used during inspection and new emergency lighting on all inspection vehicles.
 - o Process chemicals expenses are projected to increase \$2,591,341 (14.58%) due to increased chemical bid prices. During the October 2022 Board meeting, bid prices for ferric chloride, polymer, and chlorine, used in operations at the water and wastewater plants were proposed to increase between 10% and 58%.

- The proposed expenses for lab supplies are budgeted to increase \$142,476
 (17.83%) for additional testing related to new PFAS regulations and additional sampling for industrial users and special investigations.
- Computer Maintenance and supplies expenses are anticipated to increase \$334,892 (22.48%) related to the CRWS LIMS Laboratory software and iFix HMI/SCADA software; and improvements to the access point software which allows network computers to share a single internet connection.
- In the Other Services and Charges category, expenses are anticipated to increase by \$13,020,453 or 11.56% over FY23. Changes include:
 - Expenses related to engineering agreements are anticipated to decrease by \$253,927 (-9.40%) as completion of services related to process control systems and table top exercises are to be completed in the current year.
 - The internal service allocated costs for Information Technology Support Services (ITSS) are budgeted to increase by \$3,023,124 (43.50%). ITSS expense increases are related to three full-time network analyst positions transferred from CRWS and one new full-time systems developer budgeted. ITSS projects expenses related to authority-wide improvements to system facility and data security. Contributing to the increase in allocated costs is a decrease in use of available fund balance from \$500,000 budgeted for use in FY23 to \$42,274 in FY24.
 - Utilities are budgeted to increase by \$2,208,908 (25.06%) related to an increase in the use of Liquid Natural Gas (LNG) for digester operations at CRWS and a projected increase in energy expense at HRWSS based on rate increase experienced in FY22.
 - Water expense paid to Tarrant Regional Water District is budgeted to increase by \$2,033,058 (6.94%) as a result of a projected rate increase of 4.84% and increased projected customer volume.
 - Repairs and Maintenance Plant are budgeted to increase by \$1,701,230 (23.38%) mostly attributable to repair or rehabilitation of assets determined to be at risk of failure at CRWS and DCRWS.
 - The Administrative Overhead allocation expense to support the operations of the General Fund (GF) is budgeted to increase by \$1,502,298 (14.23%) for salaries and benefits for two new positions, the expense of the approved Salary Administration Plan on current positions, and allocated ITSS services.
 - Other budgeted reductions include a decrease in audit contract fees of -\$30,000 (-11.11%); communication expenses of -\$20,463 (-19.95%) as the expenses related to the strategic plan are not recurring.
- The FY24 budget has \$4,241,896 of capital outlays planned, an increase of \$1,190,359 or 39.01% above FY23. Significant expenses include \$588,000 for ten new and four replacement vehicles distributed across five funds; \$110,000 for asphalt and driveway

construction at Lake Livingston Project (LLP); \$838,779 for the purchase of a Liquid Chromatograph - Tandem Mass Spectrophotometer to aid the CRWS laboratory with PFAS testing; \$140,000 for paving at Livingston Recreation Fund (LRF) Tigerville; \$200,000 for the CRWS LIMS Lab server; \$230,000 for CRWS Switch Refresh and Inventory; \$250,000 for Access Controls system improvements. The Detail of Capital Expenditures provides a detailed listing of capital asset expenditures by fund and the Detail of Controllable Expenditures provides a list of controllable asset expenditures by fund.

- The Authority's operating projects require construction projects to address aging infrastructure, regulatory requirements, technology upgrades, capacity needs, rehabilitation improvements and certain studies to evaluate system needs. These projects are funded through the Authority's Capital Improvement Program (CIP). The Five-Year CIP provides proposed design and construction projects by system and debt funding requirements by fiscal year. \$438 million of new money bond issuances are planned to fund the FY24 CIP. Debt service related to the new bonds is included in this budget in anticipation of 2024 and 2025 debt service requirements.
- The 2024 budget reflects an increase of \$38,773,695 (21.66%) in debt service for capital improvements, lease expense and contract payables.
- The largest system increases are budgeted in the:
 - o Central Regional Wastewater System, \$16,449,657 (15.90%),
 - o Denton Creek Regional Wastewater System, \$12,252,565 (72.79%),
 - Ten Mile Creek Regional Wastewater System, \$2,922,285 (19.16%),
 - o Mountain Creek Regional Wastewater System, \$1,442,281 (15.22%),
 - o Red Oak Creek Regional Wastewater System, \$823,008 (8.08%),
 - o Tarrant County Water Supply Project, \$4,782,441 (25.27%), and
 - Walker Calloway Branches, \$126,037 (13.98%).
- The Transfers Between Authority Funds expense increased by \$499,997 (3.88%) over the FY23 budget as a result of additional Administrative Overhead revenue budgeted in the GF, increasing the GF pledged revenue transferred to the Debt Service Fund in accordance with the 2008 bond resolution that funded the General Office Annex improvements completed in 2010.
- Management anticipates receiving \$890,000 in developmental fees from bond issuances
 which will be deposited to the GF and is projecting to use \$300,000 of GF fund balance in
 FY24 to limit the administrative overhead allocated to other funds. The projected fund
 balance for the GF at the end of FY24 is \$3.2 million.

If approved, the proposed budget would see total revenues increase by 16.44% from \$405,780,678 in FY23 to \$472,486,388 in FY24, a net increase of \$66,705,710.

A summary of FY24 budgeted revenues by category is as follows:

	FY22 Actual	Current FY23 Budget	Proposed FY24 Budget
	/		
Contract Revenue	\$280,663,532	\$316,970,860	\$373,307,815
Water Sales	17,592,313	17,036,254	16,965,397
Recreation User Fees	580,139	545,600	571,396
Licenses and Fees	837,150	885,354	906,540
Interfund Services and Charges	6,853,092	8,549,974	12,004,922
Operating Overhead	2,807,050	3,145,850	3,574,181
Professional Services	17065,527	17,657,410	19,653,370
Administrative Overhead	10,079,288	12,065,285	12,957,583
Insurance Premiums	10,152,575	10,400,484	12,151,638
Transfers	11,700,687	12,966,835	13,430,300
Interest Income	(1,493,029)	153,750	1,378,574
Hydroelectric Revenue	450,000	450,000	450,000
Grants	1,077,233	919,297	620,037
Miscellaneous	2,861,461	4,033,725	4,514,635
Total Revenues	\$361,227,019	\$405,780,678	\$472,486,388

The budget includes contract revenue collections from the Authority's customers as follows:

REGIONAL WASTEWATER PROJECTS

FY22 Actual		Current	Proposed	Proposed FY24	
		FY23 Budget	FY24 Budget	Rate/1000 gal	
Central	\$152,244,546	\$165,269,991	\$188,079,703	\$3.598	
Ten Mile Creek	\$20,574,278	\$23,223,529	\$26,500,172	\$4.215	
Denton Creek	\$19,554,377	\$24,156,734	\$38,844,834	\$11.034	
Red Oak Creek	\$12,743,204	\$13,492,415	\$14,560,318	\$8.713	
Mountain Creek	\$7,809,015	\$12,195,964	\$13,864,630	\$11.171	

REGIONAL WATER PROJECTS

	FY22 Actual	Current FY23 Budget	Proposed FY24 Budget	Proposed FY24 Rate/1000 gal
Tarrant County Huntsville Livingston Trinity County	\$39,623,212	\$45,992,556	\$56,053,082	\$4.937
	\$6,110,084	\$6,303,761	\$7,805,085	\$2.133
	\$3,702,721	\$3,875,656	\$4,272,296	\$5.306
	\$680,845	\$799,854	\$1,076,822	\$5.884

<u>GOALS FOR FISCAL YEAR 2024</u>: The General Manager has established the following goals, consistent with the Authority's long-range objectives, which are reflected in the funding levels recommended in the FY24 Annual Budget:

Raw Water Supply

<u>Lake Livingston/Wallisville</u>. Staff at Lake Livingston will perform operational activities including monitoring stream flow, gate operations and downstream diversions. In addition, daily activities will include laboratory operations, facility maintenance, permit issuance for shoreline structures and onsite wastewater facilities, water quality monitoring and hydropower release coordination. Efforts will be undertaken to coordinate and assist East Texas Electric Cooperative (ETEC) to achieve maximum power generation, while maintaining normal run-of-river gate operations. The restricted area below the dam has been monitored after the hydropower plant commenced commercial operations on June 14, 2020. The restricted area boundary was temporarily moved downriver to ensure public safety related to combined hydropower and spillway releases and will continue to be monitored for a recommendation on final location placement. The Authority will work jointly with ETEC to comply with all aspects Federal Energy Regulatory Commission (FERC) regulations. Major work will continue to recoat and structurally rehabilitate the dam's tainter gates. That work commenced in June 2020, and is presently estimated to be completed by June 2025.

<u>Lakes Navarro Mills</u>, <u>Bardwell and Joe Pool</u>. Staff will: 1) continue to take a proactive approach in assessing water quality risks particularly associated with non-point source pollution; 2) monitor the federal government's budgets and maintenance needs at each reservoir; and, 3) continue to evaluate Joe Pool Lake and the potential for repurposing the yield of the reservoir.

<u>Non-Operating Raw Water Supply Projects</u>. For the Freestone, Ennis and Ellis County Raw Water Supply Projects, the Authority continues to monitor usage and provide reporting to Tarrant Regional Water District.

Wholesale Water Treatment

<u>Tarrant County Water Supply Project (TCWSP)</u>. TCWSP is rated to treat 87 million gallons a day (MGD). Staff at TCWSP is dedicated to providing safe drinking water, and will continue to meet customer demands for the Cities of Bedford, Colleyville, Euless, Grapevine and North Richland Hills through efficient plant and transmission system pump stations operation. TCWSP staff will continue to enhance computerized maintenance programs and asset management activities through the use of Enterprise Asset Management Systems (EAMS), such as geographic information systems (GIS), to track and record assets throughout the plant.

In FY24, TCWSP anticipates treating an average of 32.265 MGD (budgeted customer flow of 31.024 MGD plus 4 percent for Project use) of potable water, with a summer peak day flow of approximately 72 MGD, and will distribute that water over an 88.4 square mile service area. Operations staff work daily to provide essential chlorine residuals, low turbidities and optimized chemical doses to help maintain low treatment costs while providing excellent water quality. They also reduce pumping during peak electrical grid demands, which results in savings from

the ERCOT 4CP program. Maintenance staff provides extensive preventative maintenance on pumps, motors and equipment to reduce electrical costs and shutdowns during peak demands. Additionally, plant engineering, operations and maintenance continue to collaborate on projects such as:

- 1. Reviewing the condition of and maintaining critical assets;
- 2. Developing and maintaining a GIS map of vertical and horizontal assets:
- 3. Completing chemical studies to optimize chemical usage; and,
- 4. Completing pipeline inspections to evaluate required cathodic protection and ensure the integrity of the transmission system.

The construction of the filter rehabilitation and disinfection improvements project will continue at the plant in FY24. This project includes various filtering system upgrades and a new chlorine contact chamber to assist in the treatment process of preventing chloramine formation. Replacement of the Murphy Drive Pump Station (MDPS) and rehabilitation of Ground Storage Tank Nos 2 and 3 will also proceed in FY24. This project includes a new technology to improve our pumping scheme. It will consist of variable frequency drives (VFDs) to assist operations in the selection of pump controls for the optimum flow rates to each part of the system.

The rehabilitation of Ground Storage Tank No 4 at the MDPS has been completed and the Joint Use Lake Arlington Raw Water Pump Station (LARWPS) has been in operation for almost a year. That project included three new raw water pumps with variable frequency drives, which have improved the efficiency of raw water pumping. Due to the new intake location manganese levels in the raw water have decreased. These improvements have enhanced TCWSP's operation.

There are several capital improvement projects scheduled to begin design in FY24 including: 1) the new raw water transmission pipeline from Lake Arlington to the plant; 2) replacement of the existing High Service Pump Station (HSPS); 3) upgrades to the process control systems, such as RTUs and PLCs, of the remote sites; 4) new Switchgear for Transfer Pump Station No. 1; and, 5) Pump Station 1 Fourth Ozone Generator.

There is one construction project scheduled to begin construction in FY24: The Clariflocculator Improvements Project will replace the scrapper thrust arm mechanism, install new motors and a new driver assembly in all existing basins to aid in the removal of manganese.

TCWSP will continue to provide operation and maintenance services to the Lakeview Regional Water Supply System consisting of an intake structure and wet well at Joe Pool Lake that was constructed in 1986 under agreement with the Cities of Cedar Hill, Duncanville and Grand Prairie.

Huntsville Regional Water Supply System (HRWSS). Staff at HRWSS will continue to supply treated water to the City of Huntsville (the City) and the customers of the City, including the Texas Department of Criminal Justice, Estelle and Ellis Prison Units and the Tenaska Power Plant. Management will assist the City with any discussions with potential customers to expand the base for treated water purchases from HRWSS to industry or other water providers. HRWSS staff will gather and analyze data on state-of-the-art disinfection and filtration techniques associated with the facility and continued use of poly-aluminum chloride as an alternate coagulant. Discussions will continue with City staff and engineering consultants concerning raw and treated water pipeline redundancy.

<u>Livingston Regional Water Supply System (LRWSS)</u>. Staff at LRWSS will supply treated water to the City of Livingston and its customers, which include a Texas Department of Criminal Justice Unit and the IAH Detention Facility. The LRWSS will continue participation in the Texas Commission on Environmental Quality's "Texas Optimization Program," which requires a turbidity of 0.1 NTU or less at the discharge of each filter. Each time that a plant meets the extremely stringent recognition criteria continuously for six consecutive months, that agency presents the water system with a TOP Recognition Award. The LRWSS has met all the criteria since November 2018.

<u>Trinity County Regional Water Supply System (TCRWSS)</u>. Staff at TCRWSS will provide treated water to the City of Trinity and will continue to maintain and operate the 1.0 MGD water treatment plant, 18 well intake system and 42 miles of treated water distribution lines. A new long-range raw water supply contract and a take-or-pay service contract were finalized with the City of Trinity in February 2021.

Wholesale Wastewater Treatment

<u>Central Regional Wastewater System (CRWS)</u>. CRWS staff will provide advanced wastewater treatment for the 21 customers it serves, and continue to ensure that discharge permit compliance is achieved as it has for 30 straight years. The system includes a 189 MGD treatment plant, approximately 211 miles of gravity and force main interceptors, four lift stations and 128 permanent meter stations. Operations also utilizes an onsite storage basin to treat peak wet weather events up to 405 MGD 2-hour maximum flow as allowed by permit. CRWS also provides highly treated effluent to the Dallas County Utility and Reclamation District (DCURD) by means of the recently constructed Outfall 002. The effluent is used by DCURD for irrigation and to maintain water features.

In FY24, the Central System anticipates treating a projected 142.828 MGD of wastewater. Staff will continue to evaluate the plant's return activated sludge, which will increase CRWS resiliency during wet-weather peak flow events and optimize biological treatment efficiency. Operations is continuing to participate in the ERCOT 4CP electricity curtailment program, which provides additional electricity cost savings. Utilizing the process model, CRWS process engineering staff will pilot dissolved oxygen control strategies to further reduce energy expenditure. CRWS is proactively addressing SCADA alarm management to monitor equipment, and has improved the efficiency of the solids dewatering equipment. Asset management efforts in FY24 will continue to include infrastructure condition assessments and reviewing work order data on critical assets to continue to optimize operation and maintenance effectiveness.

As regulatory requirements continue to become more stringent, Northern Region management has expanded the expertise and knowledge of our Regulatory, Laboratory and Environmental (formerly Pretreatment) Services to represent all Northern Region Projects and support our customers. Laboratory Services will be adding one position to focus on the development of analytical procedures for the testing of PFAS in FY24. Additionally, Laboratory Services will be purchasing a new analytical instrument to allow for the analysis of PFAS in wastewater and solids for Authority projects and customer cities.

The Solids Management Improvements Phase III B began partial operations in FY22 and is anticipated to be fully operable in the third quarter of FY23. This project will produce a Class A biosolids product and reduce the solids by an estimated 60%. The chemical cost will be reduced for past treatment of lime stabilization, as well as, solids disposal cost with the thermal hydrolysis process (THP). The Class A biosolids product will offer alternative markets for future beneficial reuse.

Capital Improvement Projects scheduled to begin design in FY24 include: 1) CRWS A Roadway Improvements; 2) Alternate Access and Singleton Road Improvements; 3) Analytical Laboratory Services Complex; 4) Elm Fork Interceptor Relief (CAC-9); 5) Meter Station Rehab Group 4; 6) Meter Station Rehab Group 5; 7) Phase VII Infiltration & Inflow Assessment, Phase 1 & 2 (Study); 8) Elm Fork Interceptor Rehab & Replacement, Phase 3A; 9) Elm Fork Interceptor Rehab & Replacement, Phase 3B; and, 10) Little Bear Creek Interceptor, Segments BC_10, BC_15, BC_16.

During FY24 the following projects will begin construction: 1) Chlorine and Sulfur Dioxide Containment Building; 2) Nutrient Improvements – Post Aerobic Digestion; 3) On Site Storage and Equalization Basin Rehab and Replacement; 4) Fuel Utilization Improvements; 5) DCURD 30-inch Reuse Water Line Replacement; 6) Mountain Creek Relief Interceptor(09MC-1 & 30 MC-2); 7) Erosion Site Rehabilitation, Phase 1, 8) CRWS Meter Station Rehabilitation Group 2; 9) Meter Station Rehab Group 3; 10) Lift Station LS_7M Improvements; and, 11) Elm Fork Interceptor Rehab & Replacement, Phase 2A (CAC-8A).

In addition, the following projects related to the CRWS collection system that will be in Land Right negotiations/acquisition for FY24 include: 1) Bear Creek Interceptor Relief, Phase 2; 2) Meter Station Rehab Group 3; 3) Meter Station Rehab Group 4; and, 4) 20MC-3.

<u>Ten Mile Creek Regional Wastewater System (TMCRWS)</u>. Staff at TMCRWS will provide regional wastewater treatment for the customer cities of Cedar Hill, DeSoto, Duncanville, Ferris and Lancaster. The City of Wilmer will become a TMCRWS customer beginning December 1, 2023, increasing the customer count from five to six. TMCRWS consists of a 24.0 MGD wastewater treatment plant, approximately 58 miles of gravity interceptors and one force main interceptor, eight permanent meter stations, and one lift station. TMCRWS also provides reclaimed effluent to the neighboring South Creek Ranch L.L.C. for pecan grove irrigation and maintenance of water features. In FY24 the customer cities' projected flow is 17.177 MGD.

TMCRWS continues to participate in the summer 4CP power reduction program offered by ERCOT. TMCRWS operators undertake power curtailments through equipment shutdowns when there is peak demand on the power grid in the summer months. This allows TMCRWS to reduce Oncor delivery costs for the next fiscal year. Due to changes in state regulations, TMCRWS will no longer participate in fall, winter and spring response power programs and will continue to look for power savings opportunities as staff focus on the electrical process and efficiency improvement in the System.

In FY23, the following projects began construction and will continue through FY24: 1) Ten Mile Creek Segment 11 40TM, Phase 1; 2) Meter Station Rehabilitation (MS_FER); and, 3) Ten Mile Creek TM 1, Phase 1A. The following capital improvement projects will begin construction in

FY24: 1) Course Screens; 2) Ten Mile Creek Segment 11 40TM-2, Phase 2; 3) Ten Mile Creek TM-1 Relief Interceptor, Phase 2A; and, 4) TMCRWS Erosion Site Rehabilitation, Phase 1. Design is also scheduled to begin in FY24 for Ten Mile Creek Segment 11-40TM-3 and Utility Protection Services Upgrades.

<u>Denton Creek Regional Wastewater System (DCRWS)</u>. Staff at DCRWS provides wastewater treatment for Argyle, Flower Mound, Fort Worth, Haslet, Justin, Keller, Northlake, Roanoke, Southlake, Westlake and Circle T Municipal Utility District Nos. 1 and 3. The City of Justin is the newest contracting party, joining the System in FY23. The system includes an 11.5 MGD treatment plant, and approximately 52 miles of gravity and force main interceptors, three lift stations and 30 metering stations. In FY24, the DCRWS System anticipates treating a projected 9.619 MGD of wastewater.

DCRWS continues to participate in the summer 4CP power reduction program offered by ERCOT. This will occur in the summer months when there is a peak demand on the electrical grid. This allows DCRWS to reduce Oncor delivery costs for the next fiscal year. Due to changes in state regulations, DCRWS will no longer participate in the fall, winter and spring demand response power programs and will continue to look for power savings opportunities and energy efficiencies through the System. The DCRWS maintenance team continues its focus on updating and maintaining the asset management program. From a preventive maintenance standpoint, staff continues to perform predictive monitoring of equipment to reduce unexpected failures.

The following capital improvement projects began construction in FY23 and will continue through FY24: 1) DCRWS Peak Flow and Plant Rehabilitation; 2) Denton Creek Pressure System Force Main and Kirkwood Lift Station Improvements; 3) Henrietta Creek Relief Interceptor; and, 4) Segment 25HC-4 & 25HC-5. Construction projects beginning in FY24 include: 1) DCRWS Plant Expansion to 16.5; 2) 15CB-1 Cade Branch LS, East Leg Interceptor, and Force Main Improvements; 3) MS 8_0HC, MS 8_5HC, MS9_0HC Rehabilitation, Phase 1; and, 4) ARV Replacement, Phase 2. In FY24 design will continue for the Biosolids and Dewatering Improvements. Design projects beginning in FY24 include the Utility Protection Services Upgrades.

<u>Red Oak Creek Regional Wastewater System (ROCRWS)</u>. Staff at ROCRWS provide wastewater transportation and treatment services for Cedar Hill, DeSoto, Lancaster, Red Oak, Ovilla and Glenn Heights. The system includes a 6.0 MGD advanced wastewater treatment plant, with ultraviolet disinfection, 14 permanent meter stations, two lift stations and 27.9 miles of gravity and force main interceptors. In FY24, customer cities anticipate a projected wastewater flow of 4.566 MGD.

ROCRWS began participating in the 4CP power reduction program offered by ERCOT in the summer of FY21 and will continue in FY24. ROCRWS operators undertake power curtailments through equipment shutdowns when there is peak demand on the power grid in the summer months. This allows ROCRWS to reduce Oncor delivery costs for the next fiscal year. Staff will continue to look for power savings opportunities and energy efficiencies throughout the System.

The ROCRWS maintenance team remains focused on implementing the asset management program. It will continue to replace or rehabilitate equipment that has reached the end of its useful life. ROCRWS will continue to look for ways to optimize its preventive maintenance program with the objective of extending the useful life of assets. The ROCRWS maintenance team will continue updating the computerized asset management system, which includes capturing additional assets and implementing preventative maintenance tasks.

<u>Mountain Creek Regional Wastewater System (MCRWS)</u>. Staff at MCRWS operates an advanced wastewater treatment plant with ultraviolet disinfection that will be uprated to 4.5 MGD near the end of the third quarter of FY23. MCRWS provides wastewater transportation and treatment services to the Cities of Midlothian, Grand Prairie, Venus and Mansfield. The System includes approximately 6.45 miles of gravity interceptors and a force main interceptor, four permanent meter stations and one lift station. The Mountain Creek System is anticipated to treat a projected wastewater flow of 3.391 MGD in FY24.

MCRWS continues to experience significant growth in its service area. Projected growth includes anticipated residential, commercial and significant industrial flows. As a result, MCRWS is under construction for several upcoming expansions. Staff continues to focus on the development of an asset management program, automated data aggregation and process reporting to support growth.

Construction of the MCRWS treatment plant expansion from 4.5 MGD to 6.0 MGD is anticipated to be completed in the spring of FY25. Construction of the Soap Creek Interceptor Extension project will continue through FY24.

General Staff Groups

<u>General Fund (GF)</u>. Management strives to maintain a consistent fund balance from year to year, while also managing the amount of administrative overhead charged to other Authority funds. Management anticipates using fund balance of \$300,000 during FY24, which will leave a projected remaining fund balance of \$3.2 million at the end of FY24.

Northern Region (NR). Northern Region staff will continue to manage, operate and maintain the above-described operating projects, and prepare and administer their respective budgets. They will also coordinate operations with construction activities to enlarge and/or improve those projects and oversee emergency repairs. Staff will continue its administrative activities related to contracts with participating entities for use of conservation storage space in federal reservoirs where the Authority is the non-Federal sponsor (Joe Pool, Bardwell and Navarro Mills). In FY24, NR Management will focus on personnel recruitment and development while also addressing upcoming vacancies from retirements of long-tenured employees, grant funding for basin studies, developing progressive partnerships that foster collaboration, and operating optimization of our plants.

<u>Southern Region (SR)</u>. SR staff will continue to monitor the ongoing work at Lake Livingston related to the rehabilitation of the gated spillway. Staff will also work with the Lake Livingston project staff to monitor and assess flows immediately below the dam spillway and hydropower discharge to determine the final placement of the restricted area boundaries for security and

public safety. Authority management will participate with the East Texas Electric Cooperative and City of Houston in meetings of the Hydropower Operation/Maintenance Committee in reviewing operational protocols, budgetary issues, maintenance requirements and FERC directives. Additionally, staff will work with Lake Livingston management in reviewing property related matters surrounding the 83,000-acre reservoir, as well as policy issues related to reservoir operations. SR management will oversee plans to re-open and fully renovate the Cape Royale Public Golf Course in San Jacinto County as an enterprise project of Livingston Recreation Facilities. In the areas of operations, staff will support management in all utility project matters including customer meetings, expansion planning sessions and engineering evaluations.

In the lower Trinity Basin, staff will work with other executive management and governmental relations in support of the effort to revitalize port operations in Liberty, Texas. These efforts will include a continuing partnership with the U.S. Army Corps of Engineers (USACE) to conduct advanced feasibility studies. In FY24, the Authority and USACE will continue to work on a master plan for facilities at the Port of Liberty. The master plan is funded through a Planning Assistance to States Program and the Authority is an equal partner with the USACE.

Southern Region staff will continue to be active in regional water planning by attendance and participation in the activities of the Region H Regional Water Planning Group. Management will also be actively participating in flood study efforts for the mid-Trinity Basin and the Trinity Basin as a whole as this topic moves to the forefront of critical issues in Texas. Finally, staff will remain responsive to inquiries for water sales from the Authority's share of Lake Livingston water rights.

<u>Planning, Design and Construction Administration (PDCA)</u>. PDCA is comprised of three main groups: Planning Services (PS), Engineering Services (ES), and Construction Services (CS). The PS Group is responsible for all services related to the identification, scoping and planning of future improvements to the Authority's water and wastewater systems in Northern Region (NR) and Southern Region (SR). The ES Group manages all engineering services agreements (ESAs) associated with design projects in the Authority's capital improvement program for both NR and SR. The CS Group provides construction management and in-house inspection services for all construction projects in both Regions.

For FY 2024, PDCA budgeted 58 positions. Currently, 57 positions are filled. The remaining vacancy is a Construction Inspector that will be filled in FY 2024. PDCA's planning, engineering, and construction efforts are led by 18 Registered Professional Engineers, 3 Engineers-In-Training (EITs), and one graduate engineer. All three EITs are actively preparing for the Texas Board of Professional Engineers' Principles and Practices of Engineering exam for licensure. In addition, four of PDCA's engineers are Certified Construction Managers (CCM).

The majority of the PDCA engineering staff came to the Authority from the consulting community. In order to maintain their current levels of credentials and expertise, continuing education and training is essential.

Significant initiatives that will be areas of focus for PDCA in FY 2024 are:

- Construction of the Chemical Containment Building at CRWS;
- Construction of the Bear Creek Relief Interceptor and West Fork WF-G Relocation in CRWS;
- Construction of the No. 4 Digester and Nutrient Removal Improvements at CRWS;
- Construction of the CRWS Feed 2 Relief Interceptor in CRWS;
- Construction of the On-Site Storage Basin Rehabilitation at CRWS;
- o Construction of the Elm Fork Relief Interceptor, Segment CAC-8A in CRWS;
- Construction of Peak Flow Storage Facilities at DCRWS;
- Construction of the Plant Expansion to 16.5 MGD at DCRWS;
- Construction of the Henrietta Creek Relief Interceptor, Segments 25HC-4&5;
- Construction of the 15CB-1 Cade Branch Lift Station, Interceptor and Force Main in DCRWS;
- Completion of Peak Flow Storage Facilities at ROCRWS;
- Construction of Coarse Screens Improvements at TMCRWS;
- Construction of the Ten Mile Creek Relief Interceptor, Segment 11-40TM-2;
- o Construction of the Ten Mile Creek Relief Interceptor, Segment TM-1;
- Completion of the Plant Expansion to 6.0 MGD at MCRWS;
- Construction of the Soap Creek Interceptor Extension in MCRWS;
- Construction of the Clariflocculator Improvements at TCWSP; and
- Construction of a new Murphy Drive Pump Station for TCWSP.

The PS Group leads the effort to identify necessary improvements to the Authority's water and wastewater systems for both the Northern and Southern Regions. Improvements are identified by either condition assessments or a determination of inadequate capacity to meet projected demands. Currently, PS focuses on projected demands through the year 2070.

At the direction of the General Manager, the PS Group is performing tasks which were previously outsourced. Due to the expertise of PDCA's Deputy Executive Manager and the Manager of the PS Group, in-house forces are able to perform the highly technical analytical functions associated with the administration of Infiltration and Inflow (I/I) Assessments for ROCRWS and MCRWS. The PS Group recently completed the DCRWS I/I Assessment in early FY 2023 and will complete the consultant-led TMCRWS I/I Assessment later this year. The TMCRWS I/I study is being updated to include flow projections from the City of Wilmer which was recently added as a TMCRWS customer.

The PS Group is also performing in-house condition assessment master planning. Partnering with the University of Texas at Arlington (UTA) and the Authority's Collection System Group (CSG), the PS team is performing multiple sensor inspection (MSI) condition assessment of 31 miles of the TMCRWS collection system. UTA is providing inspection services and data analysis, while CSG is providing field access and support services to enter the collection system.

The interpretation and application of the collected data will reside within PDCA. The PS Group's staff will determine the remaining service life of the assets which will ultimately identify and prioritize condition-driven capital improvement projects. The TMCRWS Condition Assessment Program is approximately 50 percent complete.

In FY 2024, the PS Group will expand the condition assessment program to include 60 miles of pipelines in CRWS and TCWSP. PS will also initiate the comprehensive I/I Assessment update for CRWS in FY 2024.

The challenges facing the PS Group include:

- o The volume of assets to be analyzed in the condition assessment program;
- The accuracy of internal data; and,
- The accuracy of the data received from customer cities (assets, growth projections and flow constituents).

The ES Group manages all ESAs associated with the Authority's capital improvement program. Currently, there are 141 active ESAs totaling over \$179 million in consultant fees. The ES Group also manages the selection of outside engineering consultants, which follows an extensive two-part consultant qualification/selection process per requirements of the Texas Commission on Environmental Quality.

Major Plant Expansions:

The Authority's service area is experiencing a surge of growth and development. As a result, the ES facilities team is currently engaged in the planning, design and construction phases for plant expansions at CRWS, DCRWS, MCRWS and ROCRWS. In FY 2024, the facilities team will initiate a multitude of new design projects to ensure that a plant's treatment capacity is able to meet the demands through 2070 and comply with all regulatory requirements.

Major Interceptor Improvements:

The Authority's NR wastewater collection system includes over 340 miles of pipelines that convey flow to the five regional wastewater plants for treatment. With over 150 miles of aging unlined reinforced concrete pipelines remaining in the system, the ES pipeline team collaborates with the PS Group to identify and prioritize interceptor improvements. In FY 2024, the pipeline team will initiate a sizeable quantity of new projects to ensure adequate capacity to serve growing populations and replace aging infrastructure that is nearing the end of its useful life.

In FY 2023, the Authority completed construction of its first in-house design project, the Red Oak Creek Relief Interceptor, Segment 40RO-3 improvements which included 1,600 linear feet of 18-inch pipeline replacement. While the ES team is equipped to provide in-house design services, there are few "candidate" projects in the system due to the large size, length, depth and complexity of design associated with the Authority's regional facilities. Therefore, PDCA's in-house focus is being directed more towards I/I studies administered by the PS Group as previously described.

Major Water Transmission projects:

Several major water transmission projects are underway in varying stages of execution. The TCWSP Raw Water Transmission alignment study was recently completed, and preliminary engineering is underway for the first phase of a redundant raw water pipeline from Lake Arlington to the treatment plant in Euless. This eight mile 72-inch pipeline will replace the original 30-inch pipeline and provide redundancy to the existing 54-inch raw water pipeline. To

assist in the development of future capital improvements in the potable water system, PDCA initiated an operational study for the TCWSP distribution network in FY 2023. Results from this study will identify and prioritize projects in the TCWSP distribution system. In FY 2024, a new relocated distribution main in Cheek-Sparger Road in Colleyville is required to accommodate the City's upcoming roadway reconstruction.

Lastly, the ES Group manages the Capital Improvement Program (CIP) with annual updates to the 5-year plan. The Authority's current Five-Year CIP includes over \$2 billion in capital improvements for Northern Region. The group also coordinates with Finance to identify the optimum schedule for the sale of bonds or other financial instruments.

The CS Group oversees the delivery of all Capital Improvement Projects in the construction phase through construction management and quality assurance inspection. These efforts encompass a broad range of activities to ensure that projects are completed within budget and schedule. The myriad responsibilities include the evaluation and processing of Change Orders and other submittals, verification of project schedules, confirmation of work done, document management, coordination with stakeholders and quality assurance.

The CS Group coordinates construction administration duties with the engineer of record (design consultant) and construction materials testing labs.

With four construction managers and 29 inspectors and supervisors, the CS group is adequately staffed to meet the FY 2023 workload.

The challenges faced by the CS Group include:

- The recruitment and retention of qualified administrative and inspection staff.
- The increasing need to participate in the Witnessed Factory Testing of critical infrastructure equipment such as pumps, motors, drives, meters, bar screens, transformers and electrical switchgear and advancements in corrosion-resistant materials for pipelines.
- Training and continuing education to stay abreast of advancements in technology, techniques and regulations.
- Modifications to Standard Specifications to reflect lessons learned during construction.
- Manhours required to manage 22 active construction contracts totaling approximately \$462M.

PDCA staff anticipates performing design and study management, construction contract administration and inspection of 105 in progress and new construction and design projects totaling \$1.274 billion in FY 2024. A list of in progress and new projects and the planned costs are included in the PDCA Annual Budget.

<u>Financial Services</u>. Financial Services produces an Annual Comprehensive Financial Report that routinely receives the Government Finance Officers Association's (GFOA) award for excellence in financial reporting. The department received the Authority's second GFOA award for the FY23 Annual Budget. The FY24 Annual Budget will also be submitted for award consideration.

Finance processes payroll for nearly 500 employees, an average of 300 receivables billings and 1,500 accounts payables vendor invoices per month. Additionally, Finance calculates and distributes annual contracting party settle ups, remits semi-annual debt service payments, provides financing for operating project capital improvement projects and performs Authority-wide accounting. Finance works closely with each department to provide financial data necessary to support business decisions and to ensure all transactions are appropriately recorded and presented.

Finance is responsible for the development and execution of the funding strategy for all Capital Improvement Projects (CIP). The finance department proactively engages with the Authority's financial advisors in the exploration of financing options that comply with the approved Debt Management Policy. The financing strategy considers cash flow, project timing and cost of service increases to customers. The Authority currently has an extendable commercial paper (ECP) program for its largest regional wastewater system, CRWS. The ECP program allows the award of CIP contracts based upon the ECP authorization; spreads long-term debt issuances over the project design and construction period; allows the issuance of long-term debt based upon cash flow requirements; facilitates timing of debt impacts with projected increased flows and levels out cost of service increases. An ECP program is in development for DCRWS. That system's size and projected growth necessitates a plant expansion and pipeline projects warrants additional financing options. Finance will continue to work with Authority systems and PDCA to identify and pursue additional financing options where appropriate.

Staff will continue cross-training throughout the department to enhance employee skills and to leverage increased flexibility within the staff group.

<u>Legal Services</u>. In addition to its routine duties regarding compliance and rendition of legal advice to the Board of Directors, management and staff, the General Counsel and his staff will provide particular support to management in connection with: 1) ongoing and anticipated water rights permitting and water rights acquisition efforts; 2) ongoing negotiations with potential raw water purchasers; and, 3) support of ongoing initiatives with regard to flood management. The Legal Services staff will also advise management regarding the effects of legislation passed during the 88th Texas legislative session, and provide federal initiative support.

Legal Services anticipates coordinating sunset review activities in FY24.

<u>Technical Services and Basin Planning (TSBP)</u>. TSBP will provide technical assistance Authority-wide through the implementation and management of geographic information systems, basin-wide water supply and flood planning, river studies, and non-project specific environmental services. The amount of data made available, as well as the ability to perform analyses on these data, continues to expand as the program matures. TSBP staff will provide support through model development, special studies, watershed protection plan implementation, sampling efforts, coordination on federal endangered species issues, research representation with federal, state and local officials, and by administering the Trinity Basin Clean Rivers Program and other state/federal grants. TSBP staff also administer and support several important regional cooperative groups, including the Upper Trinity Basin Water Quality Compact and the Region 3 Flood Planning Group. TSBP will continue to participate in collective and individual efforts to monitor, evaluate and positively influence the environmental regulatory process.

<u>Collection System Group (CSG)</u>. CSG will perform inspection, repair and maintenance activities on the collection system infrastructure in accordance with Sanitary Sewer Overflow Initiatives. Staff will routinely inspect the operating project collection systems, and provide recommendations for future rehabilitation and replacement projects. Staff will also continue to provide accurate measurement of contracting party wastewater flows by maintaining and calibrating flow meters.

CSG will continue with programs such as corrosion/odor management, erosion control, pipeline cleaning, closed circuit television inspection, multi-sensor inspection and manhole rehabilitation. CSG will continue to support operating project customers by processing permits, point of entry requests and line locates in a timely manner.

In FY24, CSG will continue to take an active role working with TCWSP to provide maintenance, cleaning and inspection of the TCWSP raw water system and associated air release valves. This involves two raw water pipelines, 36" and 54", running from the raw water pump station to the plant.

CSG along with the Northern Region Engineering Group (NRE) will respond and manage all emergency repairs occurring within the Northern Region projects and associated collection and distribution systems.

<u>Communications</u>. In FY24, the Communications staff will manage and support internal and external communications to employees and the public on key Authority activities. It will also manage and support public participation, engagement and education related to the Authority services and business, including outreach and engagement support and activities related to the Authority's mission, vision, goals and values. Communications will maintain and update the Authority website, create multimedia, print and digital communication pieces and social media management.

<u>Human Resources (HR)</u>. Human Resources staff will continue to identify and implement programs and services that attract and retain key talent in support of the Authority's strategic goals to foster talent and maintain a culture of excellence. HR staff will continue to provide a variety of professional development opportunities to strengthen engagement and develop tools to measure success. As tenured personnel approach retirement eligibility, staff will continue the development of a comprehensive succession plan through utilization of recruitment for internships and the new registered apprenticeship program to create a talent pipeline. HR will continue to manage information technology resources including a human capital management system, learning management system and other automated internal processes to streamline the services provided to employees. Efforts will continue to maintain a competitive employee benefits and compensation program, while promoting an organizational culture for employee wellness and recognition. The department will recommend updates of the Authority's policies and procedures manual where necessary to ensure compliance with state and federal requirements.

<u>Risk Management</u>. The Risk Management Division will continue expansion of the Authority's comprehensive risk management program with risk identification, evaluation, proactive mitigation and implementation of action plans. Risk management will administer the planning,

analysis, structure, design, implementation and management of the Authority's property and casualty insurance policy programs. In FY24, there will be a dedicated focus on updating the Authority's schedule of insurable values. Results and recommendations from vulnerability assessments and audits will be utilized to update the risk management program. Risk Management will continue centralizing the management of physical security at all project locations and the General Office through the development of a security master plan to include staffing, contracts, vulnerability assessments, controls and systems. Records management will continue to be a focus across the Authority to ensure compliance with regulatory requirements. Staff will continue collaborative efforts for safety and compliance training, inspections, accident/injury investigation, management controls and employee engagement in the Authority's safety program. Risk Management will coordinate with project management to ensure proactive management of emergency preparedness at all facilities to include evaluation and update to emergency plans, emergency drills and completion of table top exercises.

Information Technology Support Services (ITSS). The overarching ITSS goal is to improve the current network and system infrastructure to a high performing, secure and maintainable infrastructure that allows flexibility to adopt new technologies as they become available. Priorities to meet this goal include: 1) establishing and maintaining a professional workforce with the skills to handle our enterprise and industrial control system infrastructure; 2) staying abreast of cybersecurity initiatives; 3) developing and implementing governance and portfolio management procedures; 4) securing and improving performance and management across the enterprise; and, 5) establishing, documenting and improving IT systems architecture to enable innovation and improve business decision-making.

<u>Purchasing</u>. The Purchasing Division will procure goods and services necessary to support the Authority's business interests, while assuring the lowest possible price consistent with the quality of goods required. Purchasing staff will continue to enhance professional development through training, certifications and participation in professional organizations. Purchasing will evaluate the Authority's participation in cooperative purchasing and interlocal agreements to add to the competitive procurement advantages found with cooperative purchasing. Purchasing personnel will continue to monitor standardized policies and procedures for procurement activities to refine and reflect updates and improvements when necessary. The Central Warehouse project will expand the Purchasing Division's ability to most effectively provide for central warehousing operations. Purchasing will develop and conduct training programs to better educate Authority personnel on Authority policies and procedures. The Purchasing Division will continue to assist and advise the Authority's operating projects on Warehouse management and inventory control including monitoring replenishment parameters and establishing inventory control procedures.

<u>Internal Audit</u>. Internal Audit will develop and implement a flexible audit plan with attention to risk or control concerns identified by management, and report to the General Manager and the Administration and Audit Committee on a regular basis. Internal audit will perform audits which provide reasonable assurance that the Authority complies with applicable laws, rules and regulations, as well as internal codes of conduct, policies and procedures.

<u>Conclusion</u>. The preparation of this budget could not have been accomplished without the full support of all Authority staff that developed efficient budgets and analyses contained in this

document. A very special thank you to the Financial Services Department for their dedicated service to the Authority and its customers. We would also like to acknowledge the support the Authority receives from its customers during the budget planning and the fiscal year. Finally, we express our appreciation to the Board of Directors for their support of management and staff in maintaining the highest standard and professionalism in the administration of the Authority's finances.

Respectfully submitted,

J. KEVIN WARD General Manager

JKW/tnj

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GOVERNMENT FINANCE OFFICERS ASSOCIATION

Distinguished Budget Presentation Award

PRESENTED TO

Trinity River Authority of Texas Texas

For the Fiscal Year Beginning

December 01, 2022

Executive Director

Christopher P. Morrill

TRINITY RIVER AUTHORITY ANNUAL BUDGET FISCAL YEAR 2024

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Fiscal Year 2024 Budget

Authority - Wide

		2022 <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
Rever	nue				
301	CONTRACT REVENUE	268,666,812.25	303,680,920.00	217,189,247.62	359,508,698.00
302	BUY-IN REVENUES	0.00	0.00	0.00	0.00
303	CONTRACT WATER SALES REVENUE	4,790,149.87	4,750,000.00	4,766,116.18	4,750,000.00
336	CSG PROFESSIONAL SERVICES	4,847,855.00	5,172,157.00	5,172,157.00	5,198,922.00
338	INTERFUND SERVICES & CHARGES	6,853,092.42	8,549,974.00	6,254,923.96	12,004,922.00
339	OPERATING OVERHEAD	2,807,050.20	3,145,850.00	2,622,958.86	3,574,181.00
340	OVERSTRENGTH SURCHARGES	2,047,076.16	2,500,000.00	2,172,490.89	2,800,000.00
341	PRETREATMENT REVENUES	117,237.00	180,000.00	79,091.00	180,000.00
342	EXTERNAL INSURANCE PREMIUMS	17,419.13	28,916.00	19,508.30	34,699.00
345	METERED WASTEWATER	4,258,765.83	5,118,778.00	3,839,085.00	5,322,899.00
346	COMMODITY/STANDBY CHARGES	362,856.43	257,317.00	82,566.32	270,093.00
347	METERED RAW WATER	2,947,804.54	3,421,162.00	1,953,841.37	3,726,218.00
350	WATER SALES - MUNICIPALITIES	17,361,473.62	16,893,190.00	16,636,599.66	16,819,251.00
351	WATER SALES - INDUSTRIAL	76,764.00	10,264.00	10,264.00	10,264.00
352	WATER SALES - AGRICULTURAL	154,075.00	132,800.00	113,140.52	135,882.00
355	OPERATING TRANSFERS B/W TRA FUNDS	11,700,687.21	12,966,835.00	7,225,667.41	13,430,300.00
357	HYDROELECTRIC REVENUE	450,000.00	450,000.00	0.00	450,000.00
360	SITE EVALUATIONS, LICENSES, FEES	160,893.97	152,779.00	53,049.75	178,500.00
361	LICENSES/FEES - PRIVATE FACILITIES	629,170.37	692,475.00	174,904.97	687,063.00
362	LICENSES/FEES - COMMERCIAL	11,900.00	7,700.00	11,900.00	8,400.00
363	LEASE INCOME	35,185.46	32,400.00	34,830.62	32,577.00
365	PARKSITE INCOME	508,743.11	475,000.00	333,420.43	500,000.00
367	CONCESSION INCOME	71,395.55	70,600.00	31,537.45	71,396.00
370	ADMINISTRATIVE OVERHEAD	9,021,476.37	10,565,285.00	10,565,285.00	12,067,583.00
371	AO - DEVELOPMENT	1,057,812.03	1,500,000.00	0.00	890,000.00
372	INSURANCE PREMIUMS	10,135,156.25	10,371,568.00	6,811,202.62	12,116,939.00
374	CONTRIBUTIONS	0.00	870,000.00	1,955,176.00	1,010,000.00
376	GRANTS	1,077,233.03	919,297.00	388,803.29	620,037.00
380	ADJ. FOR ACCRUED INTEREST	3,024.30	0.00	-1,296.76	0.00
380	INTEREST INCOME	-1,496,053.68	153,750.00	5,634,243.61	1,378,574.00
391	RENTAL INCOME - OFFICE FACILITIES	206,484.00	220,908.00	220,908.00	249,042.00
394	AUTO REIMBURSEMENTS	9,089.03	0.00	3,444.00	0.00
395	SALE OF CAPITAL ASSETS	17,931.27	3,500.00	139,024.39	3,500.00
398	PROFESSIONAL FEES	12,217,672.21	12,485,253.00	6,708,150.55	14,454,448.00
399	MISCELLANEOUS INCOME	100,786.74	2,000.00	121,808.98	2,000.00
	Revenue TOTAL:	361,227,018.67	405,780,678.00	301,324,050.99	472,486,388.00

Fiscal Year 2024 Budget

Authority - Wide

O&M Expense/Debt Service

00	Expense/Best dervice	2022 <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> Budget
Salari	ies & Benefits				
400	SALARIES	35,526,958.35	39,410,127.00	20,959,329.79	42,876,006.00
402	PAYROLL TAXES-FICA	2,596,987.57	2,912,124.00	1,568,975.53	3,171,004.00
403	EMPLOYEE BENEFIT - HEALTH/LIFE	23,366,566.11	16,403,306.00	9,022,719.36	18,730,536.00
404	EMPLOYEE BENEFIT - PENSION	3,664,797.54	4,452,471.00	2,131,076.70	4,863,574.00
405	DIRECTOR'S PER DIEM	27,150.00	55,950.00	24,300.00	55,950.00
406	UNEMPLOYMENT COMPENSATION	14,459.73	23,462.00	0.00	23,462.00
407	EMPLOYEE RECOGNITION	357,714.48	362,775.00	322,120.63	356,280.00
408	EMPLOYEE BENEFIT - EDUCATION	33,341.53	101,202.00	11,787.47	106,988.00
	Salaries & Benefits Total:	65,587,975.31	63,721,417.00	34,040,309.48	70,183,800.00
Supp	lies				
410	OFFICE SUPPLIES	279,974.52	262,798.00	151,775.30	281,860.00
411	DUES AND SUBSCRIPTIONS	305,993.22	305,517.00	228,235.72	336,914.00
412	FEES O/T DUES AND SUBSCRIPTIONS	322,668.00	420,274.00	33,032.71	422,866.00
413	MAINT AND OPER SUPPLIES	743,962.35	714,513.00	477,603.64	857,671.00
414	LAB SUPPLIES	812,952.19	799,120.00	467,559.18	941,596.00
415	PROCESS CHEMICALS AND SUPPLIES	11,995,076.05	17,776,640.00	8,010,701.45	20,367,981.00
416	FUEL, OIL, AND LUBRICANTS	719,307.60	852,826.00	359,479.78	973,040.00
417	INSTRUMENTATION MAINT & SUPPLIES	331,546.44	409,294.00	189,339.59	342,452.00
419	COMPUTER MAINTENANCE AND SUPPLIES	1,430,490.97	1,489,480.00	1,011,071.30	1,824,372.00
4199	SUPPLIES CREDIT	-2,079.80	0.00	0.00	0.00
	Supplies Total:	16,939,891.54	23,030,462.00	10,928,798.67	26,348,752.00
Other	Services and Charges				
420	AUDITING	268,000.00	270,000.00	175,000.00	240,000.00
421	ENGINEERING	1,477,960.46	2,702,500.00	868,603.10	2,448,573.00
422	LEGAL SERVICES	114,888.75	202,900.00	57,833.05	202,900.00
423	OUTSIDE SERVICES	3,081,173.27	3,289,520.00	1,661,257.62	3,385,135.00
424	OTHER PROFESSIONAL SERVICES	2,109,214.86	5,559,803.00	2,514,936.64	5,679,449.00
425	METERED SEWAGE SERVICES	4,258,765.83	5,118,778.00	2,435,596.52	5,322,899.00
426	COMMUNICATIONS	66,219.15	102,588.00	35,774.87	82,125.00
427	INFORMATION TECHNOLOGY SERVICES	5,206,870.00	6,950,042.00	5,213,640.20	9,973,166.00
428	TECHNICAL SERVICES AND BASIN PLANN	1,605,913.00	2,264,364.00	1,698,273.00	2,579,835.00
429	COLLECTION SYSTEM GROUP SERVICES	4,847,855.00	5,172,157.00	5,172,157.00	5,198,922.00
430	TELEPHONE AND TELEMETRY	516,879.57	578,266.00	290,460.58	589,532.00
431	POSTAGE	54,870.19	66,105.00	37,714.11	72,600.00
432	PRINTING AND BINDING	46,851.37	71,978.00	26,099.39	72,994.00
433	INSURANCE	3,418,517.60	4,185,589.00	3,807,894.35	4,924,959.00
435	DIRECTOR'S TRAVEL	86,574.28	96,000.00	129,421.32	96,000.00
436	TRAVEL	360,632.87	387,968.00	204,022.24	378,138.00
437	LAUNDRY, UNIF, AND IND. EQUIPMENT	169,241.14	188,891.00	106,226.25	204,322.00
438	TRAINING	440,885.47	551,730.00	228,639.08	610,324.00
439	AUTO ALLOWANCES	69,689.52	72,000.00	47,063.30	103,500.00
440	UTILITIES	8,507,356.72	8,814,871.00	5,043,536.00	11,023,779.00
441	WATER	27,506,184.41	29,273,790.00	22,853,878.33	31,306,848.00
443	R&M IMPROVEMENTS O/T BUILDINGS	1,452,016.27	1,601,220.00	470,849.21	1,631,303.00
444	REPAIRS AND MAINTENANCE-EQUIPMENT	641,612.95	836,203.00	457,914.78	896,337.00
445	REPAIRS AND MAINTENANCE - PLANT	6,473,296.23	7,277,253.00	4,247,455.46	8,978,483.00
446	REPAIRS AND MAINTENANCE - VEHICLES	203,995.19	115,407.00	119,359.21	153,675.00

Fiscal Year 2024 Budget

Authority - Wide

O&M Expense/Debt Service

		2022 <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
Other	Services and Charges				
447	REPAIRS AND MAINTENANCE-EMERGENC	1,083,725.00	1,387,000.00	933,373.82	1,547,000.00
448	REPAIRS AND MAINTENANCE - ELECTRIC/	2,594,836.03	2,529,982.00	1,759,581.43	2,845,566.00
449	BIOSOLIDS DISPOSAL	13,988,138.16	8,483,050.00	6,931,681.04	8,586,098.00
450	RENT - BUILDINGS	206,484.00	220,908.00	220,908.00	249,042.00
451	RENT - MACHINERY & EQUIPMENT	384,424.45	376,310.00	201,466.82	655,069.00
452	RENT - OTHER PROPERTY	14,173.50	13,620.00	5,967.00	14,820.00
453	PUMP STATION USAGE FEES	50,691.40	584,775.00	355,806.15	344,179.00
464	INTERFUND SERVICES AND CHARGES	1,645,558.14	1,886,876.00	1,048,697.05	2,242,677.00
465	OPERATING OVERHEAD	793,625.00	826,486.00	826,486.00	936,836.00
466	ADMINISTRATIVE OVERHEAD	9,016,476.37	10,560,285.00	10,560,285.00	12,062,583.00
469	OTHER SERVICES & CHARGES CREDIT	-101,663.49	0.00	-12,140.54	0.00
	Other Services and Charges Total:	102,661,932.66	112,619,215.00	80,735,717.38	125,639,668.00
Capita	al Outlays				
470	LAND	0.00	0.00	3,341.00	0.00
472	BUILDINGS	29,852.70	0.00	16,600.00	0.00
474	IMPROVEMENTS O/T BUILDINGS	260,712.46	536,700.00	114,894.47	340,000.00
476	MACHINERY & EQUIPMENT	2,770,160.61	2,514,837.00	1,708,199.92	3,901,896.00
	Capital Outlays Total:	3,060,725.77	3,051,537.00	1,843,035.39	4,241,896.00
	O&M Expense Grand Total:	188,250,525.28	202,422,631.00	127,547,860.92	226,414,116.00
Debt	Service				
480	BOND PRINCIPAL PAYMENTS	90,815,000.00	95,905,000.00	26,160,000.00	115,755,000.00
480	LEASE PRINCIPAL PAYMENT	177,177.58	55,888.00	171,623.00	293,370.00
481	INTEREST ON LEASE	32,223.00	2,601.00	29,189.00	37,552.00
481	INTEREST ON LONG-TERM DEBT	65,086,019.74	82,620,707.00	12,303,263.99	101,275,065.00
484	CONTRACT PRINCIPAL PAYMENTS	398,394.63	181,140.00	183,050.90	188,763.00
485	INTEREST ON CONTRACT PAYABLES	363,742.20	280,610.00	271,059.41	269,891.00
	Debt Service Total:	156,872,557.15	179,045,946.00	39,118,186.30	217,819,641.00
Trans	fers & Miscellaneous				
483	DEBT RELATED FEES	104,050.00	119,780.00	20,298.00	107,850.00
487	SETTLEMENTS/PENALTIES	40,000.00	0.00	0.00	0.00
488	DEBT ISSUANCE COSTS	-142.08	73,500.00	0.00	0.00
493	REFUNDS TO CONTRACTING PARTIES	0.00	0.00	1,955,176.00	0.00
494	TRANSFER TO(FROM) OTHER TRA FUNDS	11,677,884.21	12,897,460.00	7,202,827.41	13,397,457.00
499	MISCELLANEOUS EXPENSES	0.00	0.00	-796.50	0.00
	Transfers & Miscellaneous Total:	11,821,792.13	13,090,740.00	9,177,504.91	13,505,307.00
	Debt Service Grand Total:	168,694,349.28	192,136,686.00	48,295,691.21	231,324,948.00
	O&M Expense/Debt Service TOTAL:	356,944,874.56	394,559,317.00	175,843,552.13	457,739,064.00

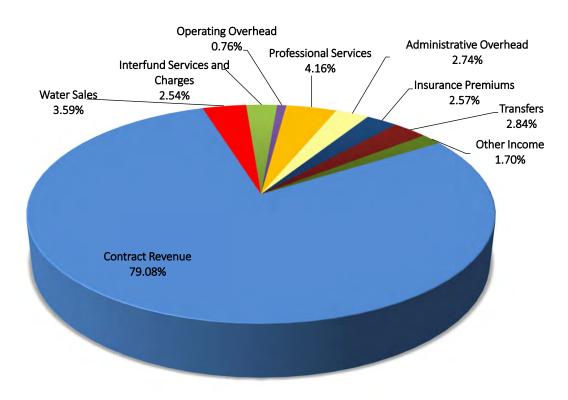
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TRINITY RIVER AUTHORITY OF TEXAS COMPARISON OF BUDGETED EXPENSES BY FUND

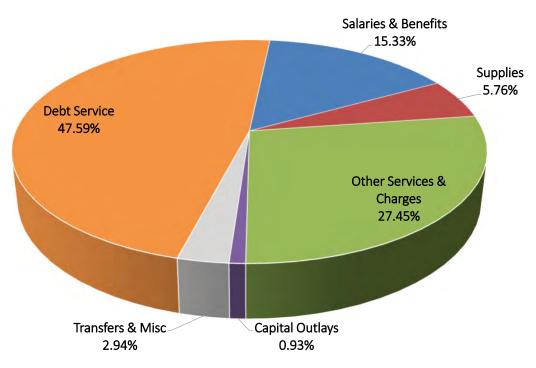
		CURRENT PROPOSED		П	NCREASE/	PERCENT	
	20	2023 BUDGET 2024 BUDGET		(D	ECREASE)	CHANGE	
		-		_		,	
General Fund	\$	16,098,019	\$	17,702,395	\$	1,604,376	9.97%
Clean Rivers Project		453,957		505,037		51,080	11.25%
Water Sales		10,370,900		10,787,289		416,389	4.01%
Hydroelectric		622,578		825,422		202,844	32.58%
Debt Service		6,460,300		6,710,300		250,000	3.87%
Flood Infrastructure		511,875		-		(511,875)	(100.00%)
Collection System Group		5,971,818		5,958,077		(13,741)	(0.23%)
Technical Services and Basin Planning		2,766,082		3,246,448		480,366	17.37%
Information Technology Support Services		7,450,042		10,015,440		2,565,398	34.43%
Planning, Design and Construction Administration		11,446,159		12,970,944		1,524,785	13.32%
Southern Region Support Services		804,445		905,473		101,028	12.56%
Staywell Health Insurance		8,840,508		9,626,051		785,543	8.89%
Risk Retention Insurance		2,192,028		2,539,661		347,633	15.86%
Central Regional Wastewater System		168,538,501		192,030,112		23,491,611	13.94%
Ten Mile Creek Regional Wastewater System		22,762,649		26,539,187		3,776,538	16.59%
Denton Creek Regional Wastewater System		22,795,900		35,779,000		12,983,100	56.95%
Red Oak Creek Regional Wastewater System		13,095,331		14,162,818		1,067,487	8.15%
Mountain Creek Regional Wastewater System		11,875,547		13,881,296		2,005,749	16.89%
Tarrant County Water Supply Project		45,206,938		53,698,324		8,491,386	18.78%
Huntsville Regional Water Supply System		6,303,761		7,810,085		1,506,324	23.90%
Livingston Regional Water Supply System		3,868,989		4,262,629		393,640	10.17%
Trinity County Regional Water Supply System		799,854		1,078,322		278,468	34.81%
Livingston - Wallisville Project		10,421,574		10,863,644		442,070	4.24%
Livingston Recreation Facilities		1,734,317		1,673,390		(60,927)	(3.51%)
Walker-Calloway Branches		6,130,100		6,460,304		330,204	5.39%
Lakeview Regional Water Supply Project		31,797		37,892		6,095	19.17%
Navarro Mills Reservoir		785,379		799,352		13,973	1.78%
Bardwell Reservoir		1,083,710		1,249,027		165,317	15.25%
Joe Pool Lake		293,141		470,283		177,142	60.43%
Ellis County Regional Water Supply Project		484,526		647,031		162,505	33.54%
Freestone Raw Water Supply Project		2,869,837		3,009,181		139,344	4.86%
Ennis Raw Water Supply Project		122,955		128,663		5,708	4.64%
Denton Creek Wastewater Transportation System		277,979		279,007		1,028	0.37%
Northeast Lakeview Wastewater Transportation		1,087,821		1,086,980		(841)	(0.08%)
GRAND TOTAL AUTHORITY-WIDE	\$	394,559,317	\$	457,739,064	\$	63,179,747	16.01%

TRINITY RIVER AUTHORITY OF TEXAS FY 2024 BUDGET

Authority-Wide Revenue by Category



Authority-Wide Expenses by Category



TRINITY RIVER AUTHORITY OF TEXAS COMBINDED BUDGET SUMMARY FY 2024 BUDGET

	Estimated Beginning			FY 2024 B	udget			Estimated Ending
Fund Name	Balance 12/01/2023	Revenues	O & M Expenses	Debt Service	Contract Payable	Transfers In	Transfers Out	Balance
General Fund	\$ 3,476,458	\$ 13,592,395	\$ 13,881,261	\$ 11,134	-	\$ 3,810,000	\$ 3,810,000	\$ 3,176,458
Clean Rivers Project Special Revenue Fund	-	505,037	505,037	-		-	-	-
Water Sales Special Revenue Fund -WSSR	17,682,738	10,119,930	7,666,499	-		2,900,000	3,120,790	19,915,379
Hydroelectric Special Revenue Fund -HSRF	895,758	450,000	825,422	-		-	-	520,336
Debt Service Fund	355,070	-	300	281,963		6,710,300	6,428,037	355,070
Flood Infrastructure Fund Special Revenue Fund -FIF	-	-	-	-		-	-	-
Collection System Group	1,727,633	5,198,922	5,958,077	-		-	-	968,478
Technical Services and Basin Planning	680,074	3,111,259	3,200,248	46,200		10,000	-	554,885
Information Technology Support Services	894,617	9,973,166		96,660		-	-	852,343
Planning, Design & Construction Administration	1,328,817	13,170,132	12,932,314	, -		-	38,630	1,528,005
Southern Region Support Services	250,813	905,473	905,473	-		-	-	250,813
Staywell Health Insurance	(3,270,595)	9,651,977	9,626,051	-		-	-	(3,244,669)
Risk Retention	2,003,175	2,548,661		-		-	-	2,012,175
Central Regional Wastewater System	55,413,702	194,440,112	71,768,683	120,261,429		-	-	57,823,702
Ten Mile Creek RWS	6,530,169	26,712,521		18,175,879		-	_	6,703,503
Denton Creek RWS	11,899,358	38,924,834		29,085,588		-	_	15,045,192
Red Oak Creek RWS	6,838,562	14,650,318		11,002,551		-	_	7,326,062
Mountain Creek RWS	4,344,074	13,924,630		10,915,803		-	-	4,387,408
Tarrant County Water Supply Project	19,009,002	56,285,824		23,704,469		-	_	21,596,502
Huntsville Regional Water Supply System	650,840	7,810,085		, , , <u>-</u>		-	_	650,840
Livingston Regional Water Supply System	758,238	4,289,296	, ,	1,385,703		-	-	784,905
Trinity County Regional Water Supply System	89,860	1,078,322		, , -		-	-	89,860
Lake Livingston Project	820,803	15,613,644		415,342	4,750,000	-	_	820,803
Livingston Recreational Facilities	459,159	1,310,936		, -		-	-	96,705
Walker Calloway Branches	586,225	7,486,971		1,027,621		-	-	1,612,892
Lakeview Regional Water Supply System	10,291	37,892		-		-	-	10,291
Navarro Mills Reservoir	554,779	555,578		-		-	-	311,005
Bardwell Reservoir	1,282,199	1,024,406	•	30,903		-	-	1,057,578
Joe Pool Lake	326,059	416,571		12,409		-	_	272,347
Ellis County Regional Water Supply Project	3,760	647,031		, .55		-	_	3,760
Freestone Raw Water Supply Project	458,970	3,103,181	•	_		-	_	552,970
Ennis Raw Water Supply Project	19,766	132,663		_		-	_	23,766
Denton Creek Wastewater Transportation System	93,449	280,674		279,007		-	_	95,116
City of Fort Worth Sendera Ranch Project	-		_			-	_	-
Northeast Lakeview Wastewater Transportation Project	875,634	1,103,647	_	1,086,980		-	_	892,301
	tal \$ 137,049,457		\$ 226,521,966	\$ 217,819,641	\$ 4,750,000	\$ 13,430,300	\$ 13,397,457	\$ 147,046,781

TRINITY RIVER AUTHORITY OF TEXAS Five-Year Financial Forecast

The Authority owns and operates four water treatment facilities, five wastewater treatment facilities and one recreation project, and also manages water sales from four reservoirs. The services the Authority provides are contracted for by cities and districts. Each Authority operating project is accounted for as an independent financial entity, and the Authority receives no tax revenues or appropriations.

REVENUE

Revenue for the operating systems is based on the amount needed to fund operations and maintenance and debt service expenses. An integral part of determining how much revenue is needed is derived from customer flow estimates. During the budget process operating projects request the year's estimated flows from customers and flows are also determined by contractual agreements. Discussions with customers about future flow estimates based on new developments and growth activities are also held. Internal reviews of historical flows, inflow and infiltration, and system meter and line developments are also conducted. These requests, discussions and reviews are the basis for the budgeted flows and future projections. Flows into the wastewater system and requested flows for water distribution are utilized to determine significant expense items such as staffing needs, chemical supplies, laboratory testing and supplies, regulatory environment changes, maintenance of critical assets, safety of staff and citizens, utilities, contracted water supply, and biosolids disposal costs.

Wastewater Operating Systems

Projected Flows (MGD)

FY	CRWS	TMCRWS	DCRWS	ROCRWS	MCRWS
2024	142.828	17.177	9.619	4.566	3.391
2025*	143.042	17.314	12.130	4.657	3.739
2026*	143.257	17.453	13.430	4.750	4.123
2027*	143.472	17.593	14.090	4.844	4.546
2028*	143.687	17.733	14.760	4.940	5.012
*Projections					

Wastewater Operating System Flow Projection Assumptions:

Flow projections for the wastewater systems for FY 2025 are estimated to increase from 0.15% to 26.10% over FY 2024 budget based upon historical averages, known developments and customer provided projections. As a result of actual growth, the system may be in the planning or actual stage of plant expansion.

Water Supply Operating Systems

Projected Flows (MGD)

FY	TCWSP	HRWSS	LRWSS	TCRWSS
2024	31.024	10.000	2.200	0.500
2025*	31.334	10.000	2.200	0.500
2026*	31.648	10.000	2.200	0.500
2027*	31.964	10.000	2.200	0.500
2028*	32.284	10.000	2.200	0.500
*Projections				

Water Operating System Flow Projection Assumptions:

Flow projections for the water systems are not estimated to increase based upon contracts except for TCWSP which projects FY 2025 will increase by 1.00% over budget.

COST OF SERVICE

The contract revenue needed to fund the operations and maintenance and debt service expenses of the System and estimated flows are the basis for the cost of service for each operating system. The cost of service is often referred to as rate per 1,000 gallons. TRA provides an estimate of this cost of service to customers during our budget meetings held in February, July and August. Total cost of service for each System is calculated based on the budgeted annual revenue requirement divided by the System flow in 1,000 gallons per day.

Cost per 1,000 gallons =
$$\frac{\text{System Annual Revenue Requirement}}{(1,000 \text{ gallons per day x 366 days x total system flow})}$$

Based on the formula, increased flows may result in lower rates. TRA does not bill based upon this rate but on the customer's percentage allocation share of the system based on projected flows. Customers may estimate their contract revenue amount by multiplying their projected flows by 1,000 gallons by 366 days by the projected cost of service. Projections for future years include various assumptions based on the operational and capital needs of the System. The Five-Year Capital Improvement Plan is provided in the Annual Budget document.

Wastewater Operating Systems

Projected Cost of Service/Rate

FY	CRWS	TMCRWS	DCRWS	ROCRWS	MCRWS
2024	\$3.598	\$4.215	\$11.034	\$8.713	\$11.171
2025*	\$4.061	\$4.997	\$12.430	\$9.737	\$10.703
2026*	\$4.519	\$6.296	\$12.636	\$11.481	\$10.296
2027*	\$4.822	\$7.087	\$12.093	\$14.187	\$10.769
2028*	\$5.090	\$7.325	\$12.375	\$16.193	\$11.471
*Projections					

Projection Assumptions:

Wastewater systems estimate operations and maintenance expenses based upon historical averages, known system process changes, operational impact plans, contracted utility rates, and disposal costs.

Debt Service expense needed to fund capital improvements related to the plant and pipelines are derived from the Five-Year Capital Improvement Plan provided with the Annual Budget.

Water Supply Operating Systems

Projected Cost of Service/Rate

FY	TCWSP	HRWSS	LRWSS	TCRWSS
2024	\$4.937	\$2.133	\$5.306	\$5.884
2025*	\$5.514	\$2.204	\$5.471	\$6.060
2026*	\$6.252	\$2.270	\$5.567	\$6.224
2027*	\$6.940	\$2.338	\$5.657	\$6.393
2028*	\$6.769	\$2.402	\$5.737	\$6.550
*Projections				

Projection Assumptions:

Water systems estimate operations and maintenance expenses based upon historical averages, known system process changes, and contracted water supply rates and contracted utility rates.

Debt Service expense needed to fund capital improvements related to the plant and distribution system are derived from the Five-Year Capital Improvement Plan provided with the Annual Budget.

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RIVER AUTHORITY OF TEXAS



Founded in 1955, the Trinity River Authority's mission is to promote conservation, reclamation, protection and development of the natural resources of the river basin for the benefit of the public



WATER RIGHTS ON 4 RESERVOIRS

- Lake Livingston
- Bardwell Lake
- Navarro Mills Lake
- Joe Pool Lake

LOCATIONS **Northern Region: 7** Southern Region: 6



MGD = **MILLION GALLONS PER DAY**



WATER TREATMENT PLANTS

- Total treatment capacity: 105.0 MGD
- Miles of water main: 134.30
- Water pump stations: 10



POPULATION SERVED

- 306,637 water
- 1,861,247 wastewater



- 8 water
- 49 wastewater

WASTEWATER TREATMENT PLANTS



- Total treatment capacity: 233.5
- Miles of wastewater pipeline: 346.8
- Wastewater lift stations: 11

RECORD DAY TREATMENT AMOUNT FOR WATER & WASTEWATER



💢 575.755 MGD 🧰





PRIORITY 1: FOSTER TALENT

GOAL 1: THE TRINITY RIVER AUTHORITY PROACTIVELY ENGAGES IN INITIATIVES THAT FOSTER A ROBUST TALENT PIPELINE.

STRATEGIES:

- Recruit top talent to TRA.
- Develop clear career pathways for TRA employees.
- Retain and reward top talent.



PRIORITY 2: LEVERAGE POWERS

THE FULL BREADTH OF ITS POWERS FOR THE BETTERMENT OF THE BASIN AND ORGANIZATION.

STRATEGIES:

Proactively advocate and respond to the regulatory environment, using TRA's 🏵

> Develop all authorized business lines for the benefit of the 🧐

> > partnerships along the 19

2019-2024

EMPOWERING THE TRINITY BASIN



STRATEGIC

PRIORITY 4: CULTURE OF EXCELLENCE

GOAL 4: THE TRINITY RIVER AUTHORITY STANDS FOR EXCELLENCE IN ALL THINGS.

STRATEGIES:

- Continue fostering a culture of excellence and innovation within the organization.
- Develop tools to measure success.
- Continue to build upon TRA's strong reputation.

PRIORITY 3: ENGAGE TEAM & BASIN

GOAL 3: THE TRINITY RIVER AUTHORITY STRENGTHENS ITS REPUTATION AND REACH THROUGH STRONGER ENGAGEMENT WITH ITS TEAM AND THE TRINITY BASIN.

STRATEGIES:

- Foster robust employee engagement.
- Strengthen engagement of TRA leadership.
- Connect with stakeholders along the Trinity basin.

Water and Wastewater Services

The Trinity River Authority of Texas is in a universal business. Water and wastewater services are central to every facet of life. Created by the state legislature in 1955, TRA is a conservation and reclamation district that provides water and wastewater treatment, along with recreation and reservoir facilities, for cities within the nearly 18,000-mile Trinity River basin.

TRA has carved out a niche to become the largest wholesale provider of wastewater treatment services in Texas. Solid business practices help TRA shape its present and its future by being fiscally conservative while making strategic improvements that help move the wastewater and water industry forward.

Realizing that water is a finite commodity, TRA's Central Regional Wastewater System operates the largest urban water reclamation and reuse program in Texas. Recycled water from the plant fills the Las Colinas, Texas, canals and also is used for the irrigation of numerous area golf courses.

Wastewater cleaned by TRA's award-winning wastewater treatment facilities flows into the Trinity River, and our superior treatment processes help improve the ecosystem of the river, making it a more sustainable habitat.







TRA's Central Regional Wastewater System began operations in 1959 as the first regional facility of its kind, serving Irving, Grand Prairie and Farmers Branch, plus a portion of western Dallas. The system has since expanded to serve all or part of 20 cities in the Dallas/Fort Worth metroplex, as well as the Dallas/Fort Worth International Airport.

This regional treatment facility is one of the largest and best-operated plants in Texas. The plant uses state-of-the-art technology throughout the treatment process to produce clean, clear effluent that removes greater than 99.9 percent of all conventional pollutants from raw wastewater before it is sent on its way down the Trinity.

TEN MILE CREEK



The Ten Mile Creek Regional Wastewater System began service in 1970, providing service in southern Dallas and northern Ellis counties. Contracting parties include the cities of Cedar Hill, DeSoto, Duncanville and Wilmer.

DENTON CREEK egional Wastewater System



The Denton Creek Regional Wastewater System, located north of Roanoke, first began treating wastewater flows in 1990. This state-of-the-art wastewater treatment plant serves an area of approximately 170 square miles, encompassing portions of the cities of Roanoke, Southlake, Keller, Haslet, Justin, and Fort Worth, plus the Circle T Municipal Utility Districts No. 1 and 3, and the towns of Flower Mound, Westlake, Northlake and Argyle. DCRWS also provides wastewater service for the Alliance Airport and the Texas Motor Speedway.

RED OAK CREEK Regional Wastewater System



The Red Oak Creek Regional Wastewater System provides wastewater treatment services for the cities of Cedar Hill, DeSoto, Glenn Heights, Lancaster, Ovilla, and Red Oak, all located in northern Ellis County. It began operations in 1991.

MOUNTAIN CREEK Regional Wastewater System



Mountain Creek Regional Wastewater System began providing services to the cities of Midlothian and Grand Prairie in 2005, Venus in 2009 and to Mansfield in 2015. Treated effluent is discharged to a small, unnamed tributary stream that makes its way to Padera Lake and, ultimately, into Joe Pool Lake. MCRWS was TRA's second project to use ultraviolet light disinfection, an innovative technology that benefits the environment and improves effluent quality

TARRANT COUNTY



TRA's Tarrant County Water Supply Project provides drinking water to the cities of Bedford, Colleyville and Euless, along with portions of Grapevine and North Richland Hills. It began

HUNTSVILLE Regional Water Supply System



The Huntsville Regional Water Supply System, which began operations in 1980, provides service for a population of approximately 44,000 - 39,000 in the city of Huntsville and 2,500 each at the Ellis and Estelle Texas Department of Criminal Justice prison units. Tenaska Frontier Partners Power Plant is also a customer of Huntsville.

LIVINGSTON Regional Water Supply System



TRA supplies water to residents of the city of Livingston through the Livingston Regional Water Supply System. Water is also provided to the Polunsky Unit of the Texas Department of Criminal Justice and the IAH Detention Facility. The LRWSS serves a population of approximately 13,000. It began operations in 1981.

TRINITY COUNTY Regional Water Supply System



The Trinity County Regional Water Supply System provides drinking water to the city of Trinity. Trinity provides water to Glendale Water Supply Corporation. TCRWSS began operations in 1983

RESERVOIRS

 ${\it Lake\ Livingston\ is\ the\ largest\ single-purpose\ reservoir\ in\ Texas.\ At\ 83,000\ acres\ and\ 55\ miles\ long,}$ it also has 455 miles of shoreline. The lake was developed as a joint project between TRA and the city of Houston. Built by TRA, the lake's sole purpose is water supply. Houston has water rights to 70 percent of the lake's available water, and TRA has rights to the remaining 30 percent. The lake also provides water for Polk, San Jacinto, Trinity and Walker counties, and irrigation and municipal water downstream of Lake Livingston in Liberty, Chambers and Jefferson counties is also drawn from the lake. TRA's Lake Livingston Project (LLP) is located at the lake. Two power plants in Freestone and Grimes counties use water from the lake. And the R.C. Thomas Hydroelectric Project, located at Lake Livingston dam, generates power using run-of-the-river flows and releases to meet downstream commitments through the dam. The 24-megawatt hydroelectric plant will generate enough energy to serve approximately 12,000 households.

RECREATION

Wolf Creek Park is a lush, green oasis on Lake Livingston. Visitors to the park can camp, picnic, fish, spend some time boating or simply enjoy the 110 acres of forested shoreline. This beautiful area, located on the west shore of the lake, is open from March to November.

Leadership

TRA is governed by a 25-member board of directors from counties throughout the Trinity River basin. They are appointed by the Texas governor and confirmed by the Texas Senate.

TRA's general manager serves as the chief executive officer, responsible for the organization's day-to-day operations. A team of executive managers reports to the general manager, and the leadership of TRA's facilities is divided into a Northern and Southern Region office, located in Arlington and Huntsville, respectively.

Unlike cities and other similar organizations, TRA does not receive funding from the state. Nor does it receive federal funding or tax revenue monies. Each TRA wastewater and water treatment facility operates as an independent financial body that is supported by its customers based on the services provided.

TRINITY RIVER AUTHORITY OF TEXAS BOARD OF DIRECTORS



Tommy G. Fordyce, President Area 13 (Walker County)



C. Dwayne Somerville, Vice-President Area 8 (Freestone County)



Megan W. Deen, Chair Utility Services Comm. Area 1 (Tarrant County Place 1)



Henry Borbolla III, Chair Legal & Public Policy Comm. Area 1 (Tarrant County Place 2)



William O. Rodgers, Area 1 (Tarrant County Place 3)



Lisa A. Hembry, Area 2 (Dallas County Place 1)



Amir A. Rupani, Chair Resources Dev. Comm. Area 2 (Dallas County Place 2)



Lewis H. McMahan, Chair Admin. & Audit Comm. Area 2 (Dallas County Place 3)



Margaret S.C. Keliher, Area 2 (Dallas County Place 4)



Victoria K. Lucas, Area 3 (Kaufman County)



Kathryn L. Sanders, Area 4 (Henderson County)



Cathy Altman, Area 5 (Ellis County)



Frank H. Steed, Jr.
Area 6
(Navarro County)





Brenda K. Walker, Area 7 (Anderson County)



Jerry F. House, D.Min. Area 9 (Leon County)



Gregory S. Wassberg, Area 10 (Houston County)



D. Joe McCleskey, Area 11 (Trinity County)



David G. Ward, Area 12 (Madison County)



Steven L. Roberts, Area 14 (San Jacinto County)



Benny L. Fogleman, Area 15 (Polk County)



David B. Leonard, Area 16 (Liberty County)



John W. Jenkins, Area 17 (Chambers County)



Robert F. McFarlane, M.D. Area-at-large, Area 18 (Anderson County Place 1)



Frederick C. Tate, Area-at-large, Area 18 (Tarrant County Place 2)



C. Cole Camp, Area-at-large, Area 18 (Tarrant County Place 3)

Members of TRA's board of directors are appointed for six-year terms by the governor with the advice and consent of the Texas Senate. Every two years a group of TRA directors is eligible for reappointment or replacement. TRA's statute specifies that three of its board members be appointed from within Tarrant County, four from Dallas County, and one from each of the remaining 15 counties within its geographical jurisdiction: Anderson, Chambers, Ellis, Freestone, Henderson, Houston, Kaufman, Leon, Liberty, Madison, Navarro, Polk, San Jacinto, Trinity and Walker. The remaining three appointees serve as at-large board members. The TRA board holds six regularly scheduled meetings throughout the year and is authorized to call special meetings as required.

TRINITY RIVER AUTHORITY OF TEXAS GENERAL MANAGER EXECUTIVE MANAGERS



J. Kevin Ward, General Manager



Glenn C. Clingenpeel, Executive Manager, Technical Services and Basin Planning



Christine J. Epps, CPA
Treasurer, Board of Directors
and Chief Financial Officer



Taylor L. Huynh,Executive Manager,
Administrative Services



Matthew S. Jalbert, P.E.

Executive Manager,
Northern Region



Gary N. Oradat, P.E.

Executive Manager,
Planning, Design and
Construction Administration



Douglas L. Short,Chief Information Officer



Jimmie R. Sims, Executive Manager, Southern Region

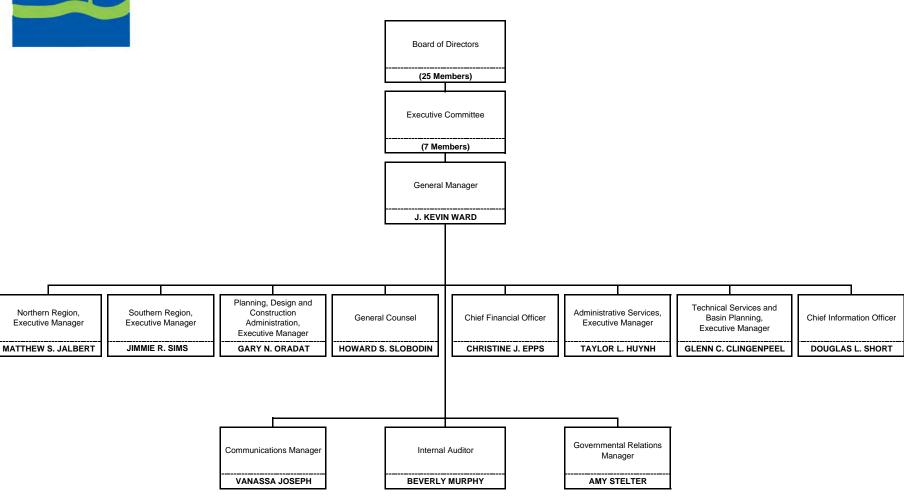


Howard S. Slobodin, Secretary, Board of Directors and General Counsel





TRINITY RIVER AUTHORITY OF TEXAS ORGANIZATIONAL CHART



TRINITY RIVER AUTHORITY OF TEXAS BUDGET PROCESS

The Annual Budget serves as the basis for the Authority's financial planning and control. The Annual Budget outlines the Authority's plans to continue to provide high quality, cost-effective service to our contracting parties. The Authority serves more than 60 cities in the Trinity River basin and approximately 50 percent of the people in Texas depend on the Trinity River basin for water. According to the state water plan, demand for water in Texas is expected to increase by 27 percent between 2000 and 2060. This demand and our master plan for basin-wide development are considered when developing the Annual Budget. Each year the Authority updates cost projections for the operations of facilities; maintenance of critical assets; growth within the basin; regulatory environment changes; and safety to our staff and citizens that ensure appropriate cost of service are budgeted. The cost projections are five-year forecasts based on the current adopted budget and appropriate cost escalations. The cost projections also consider future planned debt issuances and additional operations and maintenance from future facilities.

Development

The Budget Process begins with annual budget guidance set by the General Manager with buyin from Executive Management. Budget requests exceeding guidance are required to have supplemental detail explaining the need of each request. During the budget process, supplemental requests are reviewed and then approved or denied on a case-by-case basis.

The Finance department distributes the budget guidance, in the form of an executive memo; a Budget Calendar to Authority management and staff; and confirms staff members that are responsible for preparation and administration of the budget. The Finance department then conducts kick-off meetings and provides budget training to ensure staff understand the budget process and to ensure adherence to the budget calendar.

Departments submit personnel and reclassification requests to Human Resources. New or upgraded software and information technology system requests are provided to Information Technology Support Services (ITSS). The Purchasing Department provides bid costs for chemicals and major contracts to operating system project managers. The Human Resources department develops salaries and benefit costs for budgeted staffing for the Proposed Budgets. The Executive Management Team reviews and finalizes the personnel requests.

Departments submit all budget requests into budget templates. Finance staff compiles the expense data received and prepares the preliminary proposed budget summaries. Operating projects obtain estimated water use and wastewater flow projections from contracting parties. Water use and flow projections are reviewed by management based upon prior year budgets versus actuals and growth projections.

On the capital expense side, the Planning, Design and Construction Administration (PDCA) department meets to develop water and wastewater plans for studies, preliminary and final design and construction of pipeline and plant facilities. The Capital Improvement Plans (CIP), which includes updates to the current budget year, the proposed budget year and four-year projections, are provided to the General Manager, Executive Management and the Authority's contracted financial advisor. The financial advisor develops funding plans based upon the CIP for Authority review and approval. The approved CIP and an estimated cost of service, that

TRINITY RIVER AUTHORITY OF TEXAS BUDGET PROCESS (continued - 2)

includes operations and maintenance and debt service expenses, for the operating systems is provided to customers for review and discussion during meetings held in late January and early February.

Upon approval of the Capital Improvement Plans, the Finance department calculates the debt service requirements based on current debt outstanding and future debt requirements to fund the CIP plan. Management and operating project staff develop their operations and maintenance expense budgets to support the system. Upon approval of these expenses, the Finance department calculates the annual revenue requirement for each operating facility based on proposed operations and maintenance and debt service budget and allocates it to the contracting parties based on projected flows.

Approval

The proposed budgets of the Authority's Governmental, Internal Service, Operating and Non-operating Funds are scheduled to be finalized by the General Manager and Management in early June. The CFO provides a proposed budget summary presentation to the Authority's Administration and Audit Committee at its June meeting. Customer Advisory meetings are held to review and approve the Budget in July and August. Article IV, Section 3(d) of the Authority's Bylaws require the submission of the annual budget to govern all operations of the fiscal year for review to the Directors prior to the first day of August each year and the approval of the annual operating budget is required at the regularly scheduled Board of Directors meeting in October of each year.

Adjustments and Amendments

The General Manager is authorized to make adjustments within a budget so long as the total fund budget is not exceeded. Budget amendments are used to increase the amount of a line item account which has the impact of increasing the bottom line of the budget. The Budget Amendment Form approved by management, is then reviewed and approved by the General Manager, CFO and finally approved by the President, Vice-President, Chairman of the Executive Committee, or the Board of Directors. At each meeting of the Board of Directors, management presents a summary report of the budget amendments that have been approved since the previous meeting.

SCHEDULE FOR FY2024 ANNUAL BUDGET PREPARATION

	INUAL DUDGET FREFARATION
<u>DEADLINE</u>	<u>ITEM</u>
Friday, October 14, 2022	FY24 ITSS Project Request Forms distributed to NR & SR
Monday, October 17, 2022	HR to send out:Position Request Forms and Job Description Forms
Friday, November 11, 2022	Budget Planning Kick-off Meeting – Virtual (1:30 p.m.)
Monday, November 14, 2022	 HR to send out Tuition Reimbursement Request Packet FY24 ITSS Project Request Forms due to ITSS Project Manager
Friday, November 18, 2022	Position Request Forms and Job Description Forms Due to HR Communications will begin working on: • Fund Fact Sheets (fund descriptions to use for budget document)
Monday, December 5, 2022	FY24 Position Request & Job Description listing due to Finance HR will begin working on FY24 Salary and Benefits Spreadsheets
Monday, December 5, 2022	Finance to send out General Fund Budget Worksheets
Monday, December 5, 2022	Five-year CIP plans submitted to Executive Management for review
Tuesday, December 20, 2022	CIP plans submitted to Finance & HTS for creation of pro forma debt schedules
Monday, January 9, 2023	Final approvals of FY24 Position Requests Completed Tuition Reimbursement Requests due to HR
Week of January 9, 2023	HTS provides to TRA Pro forma debt schedules with 2024-2028 bond issuances
Wednesday, January 11, 2023	Finance submits approved new position list to ITSS to budget IT needs.
Friday, January 13, 2023	HR distribute FY24 Preliminary Salary and Benefits Spreadsheets to EMs for review
January 17-26, 2023	NR Advisory Meetings Includes FINAL CIP and debt needs if at all possible
Wednesday, January 25, 2023	EMs to submit any changes to the FY24 Salary and Benefits Spreadsheets to HR
Friday, January 27, 2023	HR submits changes to the FY24 Salary and Benefits Spreadsheets to Finance
Monday, January 30, 2023	HR & RM finalize Staywell health insurance premiums, Workers' Compensation
Monday, February 6, 2023	HR to submit to Finance for upload Salary and Benefits for: Government Funds and Internal Service Funds
Monday, February 6, 2023	HR & RM to send out: Project's Salary & Benefits spreadsheets, Employee Position listings, FY24 Benefit/Risk Retention rates, to Executive Management for review.
Friday, February 17, 2023	General Fund Preliminary Budget Due to Finance for upload
Monday, February 20, 2023	All Salary & Benefits changes due to HR
Friday, February 24, 2023	 HR to submit to Finance Salary and Benefits for upload: All Projects Submit 403010 health insurance premium breakout Exhibit C – Authority Wide – Employee Count & Titles Exhibit D – Employee Titles
Monday, February 27, 2023	Communications to provide fact sheets to the following funds for review:
iwonday, r obradily 27, 2020	 All Operating Funds (review the ones used in FY23 Budget) All Governmental Funds All Internal Services Funds All Non-operating Funds
Monday, February 27, 2023	 Finance to provide all the funds with: Budget templates created in SharePoint for individual fund data input Provide copies of budget descriptions and data from previous budget for funds to update: Performance Measures/Initiatives Budget Highlights (explain your variances) Staffing Summary
	Update flow data (if applicable)

SCHEDULE FOR FY2024						
A	NNUAL BUDGET PREPARATION					
DEADLINE	ITEM					
Monday, February 27, 2023 *Changes due to HR by April 17, 2023. No changes will be done after this date.	HR & RM to provide all the funds with: Salary & Benefits (403010 health insurance premium breakout) spreadsheets • Employee Position listings • Schedule of FY24 Benefits – Workers' Comp./Risk Retention rates/Training					
	·					
Wednesday, March 1, 2023 Wednesday, March 15, 2023	Final Tuition Reimbursement Listing from HR due to Finance Edits to Fact Sheets due to Communications					
Monday, March 20, 2023	Preliminary budgets due to Finance for upload:					
	 ITSS CRP & FIF PDCA WSSR Staywell TSBP CSG SRSS Purchasing Allocation Risk Retention 					
Friday, March 24, 2023	ITSS presents proposed FY 2023 Budget to ITGC for approval					
Monday, March 27, 2023	 All preliminary budgets due to Finance for upload Submit preliminary budget variance explanations to Finance Flows due to Finance for revenue calculations Submit preliminary capital and controllable expenditure detail to Finance Debt Service (principal/interest) input by Finance WSSR revenue input by Finance Audit, debt related fees, and interest income input by Finance 					
Monday, March 27, 2023	Fact Sheets finalized by Communications and Projects due to Finance					
Monday, April 3, 2023	Executive Management budget planning and goal setting meeting					
Monday, April 10, 2023	ITSS Budget finalized by ITGCSubmit budget to Finance for upload prior to ITGC meeting					
Monday, April 10, 2023	GF budget – Finalize by GM and CFO • Submit budget to Finance for upload prior to this review					
Monday, April 10, 2023	Staywell, Risk Retention, ITSS, TSBP budgets finalized by Executive Management • Submit budgets to Finance for upload prior to this review All revised budgets due to Finance for upload/update SharePoint support files					
Friday, April 21, 2023	All revised budgets due to Finance for upload/update SharePoint support files					
Monday, April 24, 2023	PDCA, CSG, WSSR, and SRSS budgets finalized by Executive Management • Submit budgets to Finance for upload prior to this review • All revised budgets due to Finance for upload					
Friday, April 28, 2023	 All projects: submit to Finance: Fund Description (fact sheets that Communications helped create – this must be already reviewed and approved by EM) Submit final capital and controllable expenditure detail to Finance Submit final budget variance explanations to Finance HR: Submit final headcount (Exhibit C) and position listing (Exhibit D) After this date budget revisions resulting from NR/SR Management reviews need to be submitted by the following business day. Performance Measures/Initiatives Budget Highlights (budget variances and contributing factors) Communications: Budget Cover/Back Cover and any updates to Fact Sheets After this date budget revisions resulting from NR/SR Management reviews need to be submitted by the following business day.					

SCHEDULE FOR FY2024							
ANNUAL BUDGET PREPARATION							
<u>DEADLINE</u>	<u>ITEM</u>						
Monday, May 1, 2023	All projects submit to Finance: Transmittal Letter Goals						
Monday, May 1, 2023	Five Year Capital Improvement Plan Budget presentation finalized. PDCA list of new and ongoing projects final list submitted to Finance .						
Wednesday, May 10, 2023	Non-Operating Budgets finalized by GM and CFO						
Thursday, May 11, 2023	NR Operating Projects O & M Proforma projections due to Finance & Hilltop						
Friday, May 12, 2023	Proposed Budget Revenue and Expense finalized by GM and CFO						
Monday, May 15, 2023	Proposed Budget Revenue and Expense provided to EMs & Staff						
Friday, May 26, 2023	Proposed Budget Document sent to EMs & staff for review and approvals.						
Wednesday, June 7, 2023	Final Comments on Annual Budget Document due to Finance from EMs & staff.						
Tuesday, June 13, 2023	Final Annual Budget Document provided by Finance with transmittal letter for GM & General Council.						
Monday, June 19, 2023	Final Proposed Annual Budget Document distributed by Finance						
Beginning Wednesday, July 5, 2023	Review proposed Budget with customer cities						
Friday, July 28, 2023	E-mail proposed Budget to Board of Directors						
Monday, August 14, 2023	Review proposed Budget with Administration and Audit Committee						
Wednesday, August 23, 2023	Review proposed Budget with Board of Directors						
Wednesday, October 25, 2023	Present proposed Budget to Board of Directors for approval						

AO - Administrative Overhead

CFO - Chief Financial Officer

CRP - Clean Rivers Program

CSG - Collection System Group

EM - Executive Management

FIF - Flood Infrastructure Fund

GF - General Fund

GM – General Manager

HR - Human Resources

HTS - Hilltop Securities

ITSS – Information Technology Support Services

NR - Northern Region

O & M - Operations and Maintenance

PDCA - Planning, Design and Construction Administration

RM - Risk Management

SR - Southern Region

SRSS - Southern Region Support Services

TSBP - Technical Services and Basin Planning

WSSR - Water Sales Special Revenue Fund

TRINITY RIVER AUTHORITY OF TEXAS FINANCIAL PROCEDURES AND POLICIES

Budget and Budgetary Accounting. In accordance with the bylaws of the Trinity River Authority of Texas, Article IV, Section 3(d) the General Manager shall be particularly concerned with the preparation of a recommended annual budget to govern all operations of the Authority for each oncoming fiscal year, the submission of same for review to the Directors prior to the first day of August each year, the submission of same for approval to the Board of Directors at its regularly scheduled meeting in October each year, and the execution of the policies and programs contained in the annual budget as finally approved by the Board of Directors.

A Budget Schedule is provided to all staff to manage the preparation of the document, review and submission. The Authority maintains control over operating expenses in all operating funds by the establishment of an annual operating budget. The annual operating budget is adopted for all funds on a basis consistent with generally accepted accounting principles except for the proprietary funds in which capital outlays and bond principal payments are budgeted as expenses. The budget, as formally adopted by the Board of Directors, establishes the maximum authorization of operating funds to be expended by any fund. Any subsequent amendment thereto must be approved by the President of the Board of Directors and/or the Board of Directors. Management is authorized to revise individual line items of the budget, provided the maximum authorized budget is not exceeded.

The Finance Department will review, on a regular basis, reports comparing actual revenues and expenditures to budgeted amounts. All unused budget authorizations lapse at the end of the year. For funds containing capital assets under construction, construction budgets are formally adopted at the inception of the project by the Board of Directors, establishing the maximum authorization of funds to be expended for construction of capital assets. Any subsequent amendment thereto must be approved by the Board of Directors. Appropriations do not lapse at year-end. Certain operating items, such as depreciation, and other non-operating items are unbudgeted.

Measurement Focus and Basis of Accounting. The accounting and financial reporting treatment applied to a fund is determined by its measurement focus. All proprietary funds and the government-wide financial statements are reported using the economic resources measurement focus. All governmental funds are reported using a current financial resources measurement focus.

Governmental funds are accounted for using the modified accrual basis of accounting. Under the modified accrual basis of accounting, revenues are recognized when susceptible to accrual; i.e., when they become both measurable and available. "Measurable" means the amount of the transaction can be determined and "available" means collectible within the current period or soon enough thereafter to be used to pay liabilities of the current period, generally within 60 days of year-end. Expenditures are recorded when the related fund liability is incurred. However, debt service expenditures, as well as expenditures related to compensated absences are recorded only when payment is due.

The government-wide financial statements and fund financial statements for proprietary funds are reported using the economic resources measurement focus and the accrual basis of accounting. Under the accrual basis of accounting, revenues are recognized when earned, including unbilled water and wastewater services which are accrued as of year-end. Expenses are recognized at the time the liability is incurred. With this measurement focus, all assets and

TRINITY RIVER AUTHORITY OF TEXAS FINANCIAL PROCEDURES AND POLICIES (continued - 2)

all liabilities associated with the operation of these funds are included on the statement of net position. The Authority applies all applicable Governmental Accounting Standards Board (GASB) pronouncements, as well as all Financial Accounting Standards Board (FASB) Statements and Interpretations, Accounting Principles Board (APB) Opinions and Accounting Research Bulletins issued on or before November 30, 1989, unless those statements conflict with or contradict GASB pronouncements.

Capital Expenditure Procedures. A Detail of Capital Expenditures will be included in the approved Budget. Items not expressly included in the Detail must receive approval by the appropriate Executive Manager and General Manager prior to purchase. Assets capitalized have an original cost of \$5,000 or more and two or more years of estimated useful life. Capital expenditures significantly increase the estimated useful life, operating efficiency, or capacity of an asset. Capital expenditures are categorized as: Land and Right of Way, Buildings and Plant, Improvements Other than Buildings, Personal Property and Machinery and Equipment. All acquisitions made using bond proceeds, construction grants, or otherwise included in a Construction Budget should be recorded as a capital expenditure. Expenditures capitalized to any of the fixed asset balance sheet accounts, except Land and Right-of-Way, shall be depreciated on a straight-line basis.

Capital Improvement Planning. A Five-Year Capital Improvement Program schedule by fund will be included in the approved Budget. The Authority develops a multi-year Capital Improvement Plan (CIP) that identifies projects to be constructed within five years and likely sources of funding. The CIP will be reviewed by Executive Management prior to the annual budget process. The review process includes a strict examination of the necessity, costs and benefits associated with each proposed improvement. In cases deemed appropriate, management will secure an independent review of the necessity, costs and benefits of proposed improvements.

The Authority will attempt to maintain an affordability target that limits new debt to an average of the principal payments scheduled during the next five years with the end goal to achieve level debt service from year to year, while reviewing the structure of each issue to achieve the most appropriate amortization.

Capital items and associated land acquisitions should be included. Eligible capital items to be considered are assets that last longer than five years and have a cost that exceeds \$50,000. Repair and replacement of deteriorating infrastructure can be included if the life of the asset is extended or service capacity increased.

Proposed capital projects will be reviewed and prioritized by a cross-departmental team to ensure overall consistency with the Authority's goals and objectives. Compliance with permits to operate facilities granted by the TCEQ and/or U.S. EPA will be of primary importance when making project funding decisions. Regular meetings will be conducted to assess current project status, planned construction projects, unencumbered bond proceeds, financing options and the effect of proposed financing activities on current debt levels. The Authority will identify the impact on annual operating costs resulting from capital projects so that they are fully captured in the Cost of Service Models.

TRINITY RIVER AUTHORITY OF TEXAS FINANCIAL PROCEDURES AND POLICIES (continued - 3)

Debt Procedures. The Authority issues debt to fund water and wastewater infrastructure and some capital purchases. The Authority is authorized to issue conduit debt for pollution control activities for outside entities. The Authority will use the services of an independent Financial Advisor (FA) for advice on the structuring of new debt, financial analysis of various options, including refunding opportunities, the rating review process, the marketing and marketability of debt obligations, issuance and post-issuance services, the preparation of offering documents and other services, as necessary. Long-term debt shall be issued at a fixed rate of interest. At a minimum, interest will be paid in the fiscal year after the bond sale and principal will be paid no later than the second fiscal year after the bond sale. Bond maturity should not extend beyond 20 years under normal circumstances. Short-term debt may also be used for construction and land acquisition for the Central Regional Wastewater System through the Extendable Commercial Paper Program. The Authority will budget and collect revenue based on long-term rates. The difference from the budgeted debt service and actual debt service may be used for future debt payments or to redeem outstanding commercial paper.

Emergency Expenditures Policy. The Emergency Expenditures Procedures outlined in the Procurement Policy describes how the Authority may make emergency expenditures, not planned in the Annual Budget, when necessary, prior to Board action. An emergency is a condition when the failure to immediately repair equipment could endanger the delivery system; endanger the service provided by the Authority to its customers with which it contracts; or cause deterioration to facilities that could result in failure of the system. The General Manager and/or his/her Designee may declare an emergency and, using the best judgment possible, develop a plan to remedy the problem on a temporary or permanent basis in accordance with the following procedures:

The General Manager or a person acting in that capacity as designated in writing, is authorized to expend funds on goods or services on the basis of best judgment, but must report the action taken in writing to the Authority's President within 15 days after approving the emergency expenditure. The manager responsible for notifying the General Manager of a required emergency expenditure shall, within 48 hours of such notification, furnish a memorandum to the General Manager that describes the conditions constituting the emergency.

The General Manager may expend up to \$75,000 for necessary repairs or replacements. At the next regular Board of Directors meeting, the General Manager will detail in memorandum the emergency, the planned action and estimated or final cost. If necessary, an amendment to the approved budget will be submitted if expenditures will cause the total fund expenditures to exceed the budget.

Financial Reporting Procedures. Following the conclusion of the fiscal year, an independent certified public accounting firm audits the Authority's accounting records and annual financial statements. The Finance Department is responsible for preparing an Annual Comprehensive Financial Report in accordance with the Generally Accepted Accounting Principles (GAAP) and financial reporting standards promulgated by the GASB.

Fund Balance. The Authority reports several components of fund balance in its governmental funds. The various categories include the following:

<u>Nonspendable</u>. Those amounts that are not in spendable form or that are legally or contractually required to be maintained intact.

TRINITY RIVER AUTHORITY OF TEXAS FINANCIAL PROCEDURES AND POLICIES (continued - 4)

<u>Restricted</u>. Those amounts that have externally enforceable constraints placed on their use, which could arise from creditors, grantors, laws or regulations of other governments, enabling legislation, or constitutional provisions. The Authority does not have restricted fund balances at year end.

<u>Committed</u>. Those amounts that can only be used for specific purposes pursuant to constraints imposed by the Board of Directors through a resolution. Once adopted, the limitation imposed by the resolution remains in place until a similar action is taken (the adoption of another resolution) to remove or revise the limitation.

<u>Assigned</u>. Those amounts that are constrained by an intent to be used for specific purposes but are neither restricted nor committed. Assignments are made by Authority management based on direction from the Board of Directors.

<u>Unassigned</u>. Those amounts that are not restricted, committed, or assigned. The General Fund is the only fund that reports a positive unassigned fund balance. In other governmental funds, if expenditures incurred for specific purposes exceeded the amounts restricted, committed, or assigned to those purposes, it may be necessary to report a negative unassigned fund balance.

For the classification of Governmental fund balances, the Authority considers restricted fund balance to be used before using any component of unrestricted fund balance. When components of unrestricted fund balance can be used for the same purpose, committed fund balance is used first, followed by assigned fund balance. Unassigned fund balance is applied last.

General Investment Policy. The Authority's Investment Policy outlines objectives, authorized investments, responsibility and controls, and strategy. This Policy applies to all of the Authority's investment activities and establishes guidelines establishing who is authorized to invest Authority funds, how Authority funds will be invested and when and how a periodic review of investments will be made. It is the policy of the Authority that all available funds be invested in conformance with state law, federal regulations, applicable bond resolution requirements, and other conditions established by the adopted Investment Policy. The investment policies of the Authority are in accordance with the State of Texas Public Funds Investment Act (PFIA). The Authority submits the Investment Policy to the Government Treasurers' Organization of Texas (GTOT) which certifies that the Policy meets the requirements of the Public Funds Investment Act and the standards of prudent public investing established by the GTOT. In addition, the Authority's investment advisors with Hilltop Securities also review the Investment Policy.

Investment Strategy and Objectives shall be based on the following priorities in order:

- Investment suitability
- Preservation of safety of principal
- Liquidity
- Marketability prior to maturity of each investment
- Diversification
- Yield

TRINITY RIVER AUTHORITY OF TEXAS FINANCIAL PROCEDURES AND POLICIES (continued - 5)

Each of the following funds shall have their own investment strategies tailored to the fund's unique requirements:

- Operating Funds
- Construction Funds
- Interest and Sinking Funds
- Debt Service Reserve Funds

Responsibility and Controls:

- The Administration and Audit Committee will recommend to the Board of Directors strategies for the Authority's investment portfolios and modifications regarding the Investment Policy.
- Upon recommendation by the Administration and Audit Committee, the Board will
 designate and approve Investment Officers of the Authority. The Investment Officers will
 perform their duties in accordance with the Investment Policy and adherence to the
 Authority's Code of Ethics.
- An established system of internal controls shall be documented in writing and reviewed annually by the Authority's independent auditor.
- The Investment Officers will provide a signed, comprehensive investment report to the Administration and Audit Committee, the Board of Directors and General Manager at the end of each quarter detailing the investments, performance, maturity, fund type and compliance with the Investment Policy.
- The Authority's Board may contract with an investment management firm properly registered under the Investment Advisors Act of 1940 and with the Texas State Securities Board to provide for investment and management of its public funds or other funds under its control.
- The Authority will maintain a list of approved security dealers that are authorized to engage in investment transactions with the Authority.

Authorized Investments

 The policy sets forth all authorized investments that Authority Funds may be invested as well as collateralization requirements.

Board Review

 The Administration and Audit Committee and Board of Directors shall review and approve the Investment policy on an annual basis.

System Break-Even Policy. The Authority's revenues are derived from charges to contracting parties, primarily for the sale and treatment of water and wastewater. Contracting parties generally contract to pay amounts equal to the Authority's operating and maintenance expenses, debt service requirements and any other obligations payable from the revenues of the Authority. The contract revenues are adjusted accordingly at the end of each year to a break-even basis. Any excess or shortage of contract revenue is rebated/collected to/from the contracting parties after adjustments to operating reserves.

The previously discussed items are significant summarizations of Board of Directors approved policies or contractual agreements and best practices and procedures that guide the Authority's fiscal management. Authority policies are reviewed and revised based upon regulatory and legal changes.

TRINITY RIVER AUTHORITY FUNDS

Proprietary Funds

Business-type activities.

Internal Service Funds

Accounts for services provided by one fund to other Authority funds on a cost reimbursement basis.

- Collection System Group
- Technical Services and Basin Planning
- Information Technology Support Services
- Planning, Design and Construction Administration
- Southern Region Support Services
- Staywell Health Insurance
- Risk Retention Insurance

Enterprise Funds

Business-type activities related to wastewater treatment, fresh water treatment operations, raw water supply, reservoir operations, public recreations facilities, and financing projects.

Governmental Funds

Near-term inflows and outflows of spendable resources, as well as balances of spendable resources available at the end of the fiscal year.

- GENERAL FUND
- Clean Rivers Program Special Revenue
- Flood Infrastructure Fund
- Water Sales Special Revenue
- Hydroelectric Special Revenue
- Debt Service

Operating Funds

Wastewater Treatment:

- CENTRAL REGIONAL WWS
- TEN MILE CREEK REGIONAL WWS
- Denton Creek Regional WWS
- Red Oak Creek Regional WWS
- Mountain Creek Regional WWS

Water Treatment:

- TARRANT COUNTY WSP
- Huntsville Regional WSS
- Livingston Regional WSS
- Trinity County Regional WSS

Water Storage:

LIVINGSTON - WALLISVILLE

Recreation:

Livingston Recreation Facilities

Non-Operating Funds

Water Projects:

- Ennis Raw WSP
- Freestone Raw WSP
- Ellis County Regional WSP

TRA-COE Water Projects:

- Navarro Mills Reservoir
- Bardwell Reservoir
- Joe Pool Lake

Municipal Wastewater Projects:

- NE Lakeview WW Trans Project
- Denton Creek WW Trans System (Graham Branch)

Limited Operating Projects:

- Walker Calloway Branches
- Lakeview Regional WSP

MAJOR FUNDS IN All CAPS WWS-Wastewater System WW Trans-Wastewater Transportation WSP-Water Supply Project WSS-Water Supply System

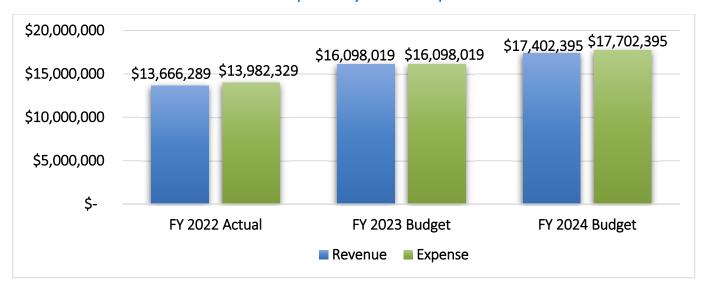


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General Fund The General Fund accounts for the general government operations and administration, which are financed principally from professional services, development fees, and indirect overhead charged to other funds. Staff groups funded include Administrative Services and Human Resources, Board and General Management, Communications, Financial Services, Internal Audit, Legal and Land Rights Services, Purchasing and Risk Management and Safety.

FY 2024 BUDGET SUMMARY

Revenue & Expense by Year Comparison

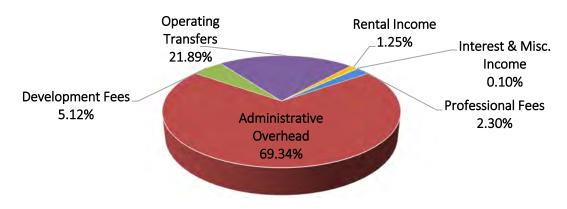


FY 2024 REVENUE BUDGET - SUMMARY

Revenue by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Professional Fees	\$ 485,364	\$ 283,450	\$ 400,000	41.12%
Administrative Overhead	9,021,474	10,565,285	12,067,583	14.22%
Development Fees	1,057,812	1,500,000	890,000	(40.67%)
Operating Transfers	2,937,246	3,560,000	3,810,000	7.02%
Rental Income	174,860	189,284	217,418	14.86%
Interest & Misc. Income	(10,467)	-	17,394	100.00%
Total Revenue	\$ 13,666,289	\$ 16,098,019	\$ 17,402,395	8.10%

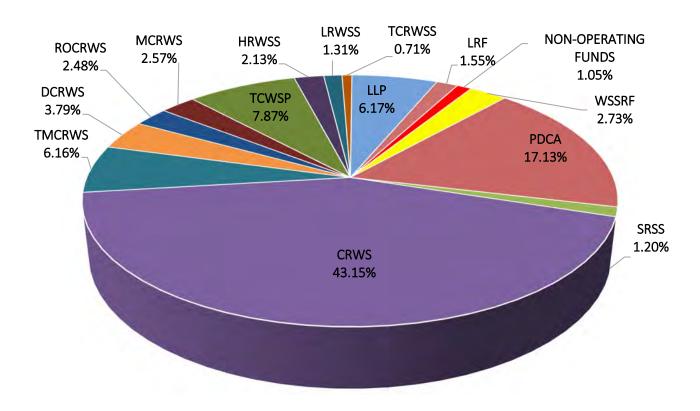
FY 2024 Revenue Categories



FY 2024 REVENUE BUDGET - SUMMARY (CONTINUED)

FY 2024 Administrative Overhead Revenue Allocation

Fund		F	Y24 Budget
CRWS		\$	5,206,880
PDCA			2,067,540
TCWSP			949,650
LLP			744,850
TMCRWS			743,780
DCRWS			457,180
WSSR			328,981
MCRWS			309,970
ROCRWS			299,680
HRWSS			256,370
LRF			186,640
LRWSS			158,600
SRSS			144,200
NON-OPERATING F	UNDS		127,127
TCRWSS			86,135
	TOTAL	\$	12,067,583

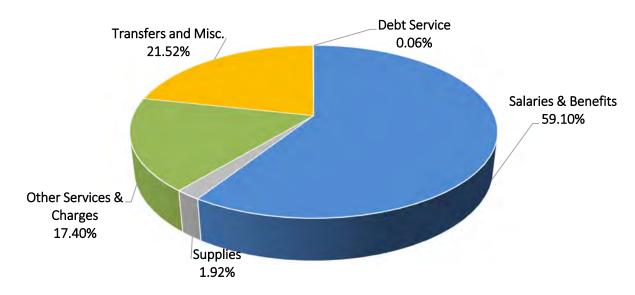


FY 2024 EXPENSE BUDGET - SUMMARY

Expense by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Salaries & Benefits	\$ 8,127,890	\$ 9,239,838	\$ 10,461,593	13.22%
Supplies	334,581	316,890	339,231	7.05%
Other Services & Charges	2,384,013	2,919,942	3,080,437	5.50%
Capital Outlays	126,404	50,215	-	(100.00%)
Transfers and Misc.	3,009,441	3,560,000	3,810,000	7.02%
Debt Service	-	11,134	11,134	0.00%
Total Expense	\$ 13,982,329	\$ 16,098,019	\$ 17,702,395	9.97%

FY 2024 Expense Categories



BUDGET HIGHLIGHTS

Salaries & Benefits

- o Salaries, payroll taxes and pension expense are budgeted to increase as a result of the transfer of the Project/Program Analyst position from CRWS, new full-time Senior Accountant and Safety and Safety and Emergency Management specialist positions. The Fund also anticipates increased salaries expense for merit and compensated absences for employees retiring during the year based on the Authority's Salary Administration Plan.
- o Health insurance expense is projected to increase related to premium rates.

BUDGET HIGHLIGHTS (CONTINUED)

Supplies Supplies

o Office supplies expenses are projected to increase for additional general office consumable items and office furniture.

Other Services & Charges

- o Auditing expense is budgeted to decrease based upon the contracted agreement.
- o Outside services expense is anticipated to increase for recruiting tools, advertising and motor pool GPS tracking services.
- o Communications expense is budgeted to decrease resulting from completion of the Strategic Plan in fiscal year 2023.
- o Travel expense is budgeted to increase with in-person attendance of staff at approved professional development, trainings and conferences.
- o The Fund anticipates reduced utilities expense based upon a rate reduction and the conversion to LED lighting.
- o Repairs and maintenance-plant is budgeted to increase for anticipated HVAC cleaning and repairs, building maintenance and office configurations.

Capital Outlays

o No capital outlay expenses are budgeted for FY24.

Transfers & Misc.

o The Authority's General Improvement Revenue Bonds are secured by and payable from 50% of Water Sales revenue in WSSRF and 30% of administrative overhead charges collected by the General Fund. Transfers are completed to secure the debt service payments in the Debt Service Fund any remaining funds are transferred back to the WSSRF and General Fund after the semi-annual debt service payments are made. The transfers to other TRA funds will increase in FY24 resulting from additional administrative overhead revenue.

Debt Service

o The debt service expense associated with the lease contract for Authority motor pool vehicles will remain unchanged.

STAFFING SUMMARY

The General Fund employs 71 full-time and 2 part-time employees in the following areas of responsibility: General Manager's Office, Financial Services, Administrative Services, Legal Services and Land Rights, Northern Region and Southern Region. The Fund will add a Senior Accountant, a Safety and Emergency Management Specialist and a Project/Program Analyst transferred from CRWS.

	FY 2022	FY 2023	FY 2024	FY23-24
	Adj. Budget	Adj. Budget	Budget	Change
Full-time	64	68	71	3
Part-time	3	2	2	-

FY 2024 FUND BALANCE

FY 2024 Ending Fund Balance Projection

Available Fund Balance, 11/30/22	\$ 3,679,276
FY23 Projected Fund Balance Use	(202,818)
FY24 Budgeted Fund Balance Use	(300,000)
Projected Ending Fund Balance, 11/30/24	\$ 3,176,458

For the FY24 Budget, the General Fund will reduce the allocation costs to the operating funds by utilizing \$300,000 from the available fund balance. The projected fund balance continues to provide the General Fund in excess of the policy's two months of operating expense in reserve.

Trinity River Authority of Texas

Fiscal Year 2024 Budget

GOVERNMENTAL FUNDS

General Fund - General Government and Administration - 001600 - 001607, 001900, 001901							
	2022	<u>2023</u>	2023 YTD as of	2024			
	Actual	<u>Budget</u>	07/05/2023	Budget			
	·			·			
Revenue							
PROFESSIONAL FEES	485,363.54	283,450.00	334,858.28	400,000.00			
Professional Services Total:	485,363.54	283,450.00	334,858.28	400,000.00			
ADMINISTRATIVE OVERHEAD	9,021,476.37	10,565,285.00	10,565,285.00	12,067,583.00			
AO - DEVELOPMENT	1,057,812.03	1,500,000.00	0.00	890,000.00			
Administrative Overhead Total:	10,079,288.40	12,065,285.00	10,565,285.00	12,957,583.00			
OPERATING TRANSFERS B/W TRA FUNDS	2,937,245.52	3,560,000.00	1,765,742.85	3,810,000.00			
INTEREST INCOME	-24,751.21	0.00	91,138.28	17,394.00			
RENTAL INCOME - OFFICE FACILITIES	174,860.00	189,284.00	189,284.00	217,418.00			
AUTO REIMBURSEMENTS	427.83	0.00	0.00	0.00			
SALE OF CAPITAL ASSETS	2,742.62	0.00	6,891.24	0.00			
MISCELLANEOUS INCOME	11,113.59	0.00	10,872.37	0.00			
Miscellaneous Income Total:	3,101,638.35	3,749,284.00	2,063,928.74	4,044,812.00			
General Fund - General Government and Revenue Grand Total: Administration - 001600 - 001607, 001900, 001901	13,666,290.29	16,098,019.00	12,964,072.02	17,402,395.00			

Trinity River Authority of Texas

Fiscal Year 2024 Budget

GOVERNMENTAL FUNDS

General Fund - General Government and Administration - 001600 - 001607, 001900, 001901							
	2022	2023	2023 YTD as of	2024			
	<u>2022</u> Actual	<u>Budget</u>	07/05/2023	<u>2024</u> Budget			
O&M Expense/Debt Service							
SALARIES	6,047,713.85	6,884,555.00	3,596,110.00	7,680,452.00			
PAYROLL TAXES-FICA	416,770.76	462,247.00	264,749.35	524,321.00			
EMPLOYEE BENEFIT - HEALTH/LIFE	907,970.50	958,904.00	549,655.01	1,233,581.00			
EMPLOYEE BENEFIT - PENSION	641,494.25	801,881.00	379,796.62	890,885.00			
DIRECTOR'S PER DIEM	27,150.00	55,950.00	24,300.00	55,950.00			
UNEMPLOYMENT COMPENSATION	4,816.35	7,000.00	0.00	7,000.00			
EMPLOYEE RECOGNITION	80,840.50	65,015.00	56,472.42	60,145.00			
EMPLOYEE BENEFIT - EDUCATION	1,134.00	4,286.00	794.49	9,259.00			
Salaries and Benefits Total:	8,127,890.21	9,239,838.00	4,871,877.89	10,461,593.00			
	0,127,030.21	3,233,030.00	4,071,077.03	10,401,555.00			
OFFICE SUPPLIES	112,642.06	94,015.00	55,392.74	103,750.00			
DUES AND SUBSCRIPTIONS	159,672.12	146,981.00	90,220.75	153,439.00			
FEES O/T DUES AND SUBSCRIPTIONS	496.40	0.00	2.71	75.00			
MAINT AND OPER SUPPLIES	20,529.90	21,200.00	12,827.93	21,200.00			
FUEL, OIL, AND LUBRICANTS	27,779.07	44,150.00	15,713.43	46,200.00			
COMPUTER MAINTENANCE AND SUPPLIES	13,461.75	10,544.00	9,419.73	14,567.00			
Supplies Total:	334,581.30	316,890.00	183,577.29	339,231.00			
AUDITING	268,000.00	270,000.00	175,000.00	240,000.00			
LEGAL SERVICES	52,829.78	97,000.00	25,700.05	97,000.00			
OUTSIDE SERVICES	231,925.54	195,650.00	102,896.35	215,300.00			
OTHER PROFESSIONAL SERVICES	151,602.81	195,310.00	78,992.19	201,810.00			
COMMUNICATIONS	43,972.10	81,000.00	34,041.85	52,000.00			
INFORMATION TECHNOLOGY SERVICES	844,190.00	1,155,457.00	866,593.00	1,272,216.00			
TECHNICAL SERVICES AND BASIN PLANNING	150,721.00	164,399.00	123,299.00	155,229.00			
TELEPHONE AND TELEMETRY	7,085.43	14,500.00	3,074.25	19,900.00			
POSTAGE	10,780.78	19,680.00	15,970.24	19,150.00			
PRINTING AND BINDING	4,888.09	10,450.00	2,017.11	12,450.00			
INSURANCE	52,928.64	85,212.00	79,232.20	90,918.00			
DIRECTOR'S TRAVEL	86,559.28	96,000.00	129,421.32	96,000.00			
TRAVEL	121,101.44	104,753.00	79,151.12	132,794.00			
LAUNDRY, UNIF, AND IND. EQUIPMENT	5,198.83	5,200.00	2,852.14	5,200.00			
TRAINING	44,177.02	99,023.00	40,237.71	90,440.00			
UTILITIES	99,036.72	138,900.00	48,501.12	109,200.00			
REPAIRS AND MAINTENANCE-EQUIPMENT	5,349.24	27,200.00	4,293.84	16,600.00			
REPAIRS AND MAINTENANCE - PLANT	161,722.85	114,028.00	57,202.95	191,200.00			
REPAIRS AND MAINTENANCE - VEHICLES	15,158.06	10,160.00	17,537.42	16,750.00			
RENT - MACHINERY & EQUIPMENT	22,246.58	32,300.00	16,560.54	41,360.00			
RENT - OTHER PROPERTY	4,539.00	3,720.00	3,078.00	4,920.00			
Services and Charges Total:	2,384,013.19	2,919,942.00	1,905,652.40	3,080,437.00			
MACHINERY & EQUIPMENT	126,404.35	50,215.00	92,198.97	0.00			
Capital Outlays Total:							
Sapital Sutlays Total.	126,404.35	50,215.00	92,198.97	0.00			
SETTLEMENTS/PENALTIES	40,000.00	0.00	0.00	0.00			
TRANSFER TO(FROM) OTHER TRA FUNDS	2,969,441.09	3,560,000.00	1,514,492.86	3,810,000.00			
MISCELLANEOUS EXPENSES	0.00	0.00	-124.50	0.00			
Transfers & Misc Total:	3,009,441.09	3,560,000.00	1,514,368.36	3,810,000.00			
_							
O&M Expense Grand Total:	13,982,330.14	16,086,885.00	8,567,674.91	17,691,261.00			

Trinity River Authority of Texas

Fiscal Year 2024 Budget

GOVERNMENTAL FUNDS

General Fund - General Government and Administration - 001600 - 001607, 001900, 001901							
General Fund - General	Government and Administra	2022 <u>Actual</u>	2023 Budget	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>		
LEASE PRINCIPAL PAYMENT INTEREST ON LEASE Debt Service Total:		0.00 0.00 0.00	8,533.00 2,601.00 11,134.00	14,724.00 0.00 14,724.00	8,533.00 2,601.00 11,134.00		
	Debt Service Grand Total:	0.00	11,134.00	14,724.00	11,134.00		
General Fund - General Government and Administration - 001600 - 001607, 001900, 001901	O&M Expense/Debt Service Grand Total:	13,982,330.14	16,098,019.00	8,582,398.91	17,702,395.00		

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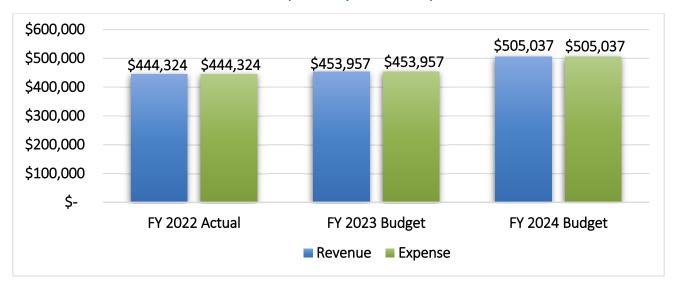




This fund accounts for the activities of the Trinity River Authority's Clean Rivers Program, which is charged with assessing and improving water quality in the Trinity River basin. The Program is funded through the Texas Commission on Environmental Quality (TCEQ).

FY 2024 BUDGET SUMMARY

Revenue & Expense by Year Comparison

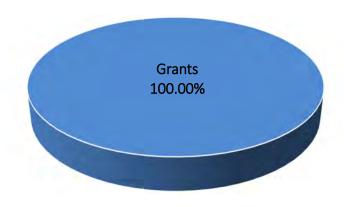


FY 2024 REVENUE BUDGET - SUMMARY

Revenue by Year

		FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Grants		\$ 444,324	\$ 453,957	\$ 505,037	11.25%
	Total Revenue	\$ 444,324	\$ 453,957	\$ 505,037	11.25%

FY 2024 Revenue Categories

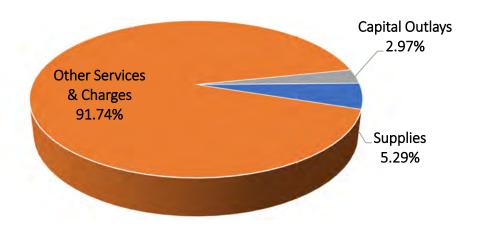


FY 2024 EXPENSE BUDGET - SUMMARY

Expense by Year

	FY 2022		FY 2023		FY 2024	%
		Actual		Budget	Budget	Change
Supplies	\$	15,506	\$	21,900	\$ 26,700	21.92%
Other Services & Charges		428,818		417,057	463,337	11.10%
Capital Outlays		-		15,000	15,000	0.00%
Total Expense	\$	444,324	\$	453,957	\$ 505,037	11.25%

FY 2024 Expense Categories



BUDGET HIGHLIGHTS

Supplies

o Computer maintenance and supplies expense is budgeted to increase for the purchase of data management software licensing.

Other Services & Charges

- o Travel and training expenses are budgeted to increase with additional sampling to be performed and classes related to identification of fish and mussel species and stream characteristics.
- o Allocated expenses for information technology and technical services and basin planning are budgeted to increase based on projections of internal service funds.

Capital Outlays

o Machinery and Equipment expenses remains constant with the budgeted purchase of a new water quality monitoring device.

STAFFING SUMMARY

The CRP fund does not have assigned employees; however, TSBP employees bill time for efforts to complete the grant work plan. Those charges are reported as expense in the Interfund Services and Charges account.

FY 2024 FUND BALANCE

FY 2024 Ending Fund Balance Projection

Available Fund Balance, 11/30/22	\$0
FY23 Budgeted Fund Balance Use	\$0
FY24 Budgeted Fund Balance Use	\$0
Projected Ending Fund Balance, 11/30/24	\$0

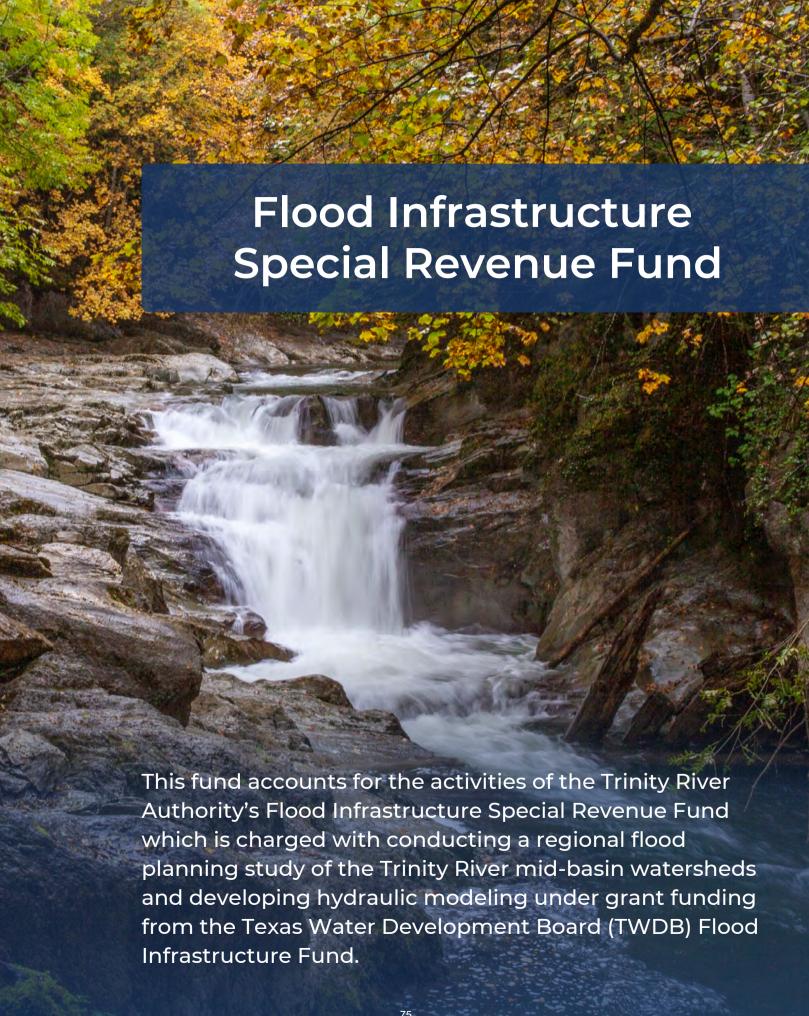
For the FY24 Budget, CRP has budgeted no use of fund balance as total expenses will be billed to the grant funding source.

Fiscal Year 2024 Budget

Clean Rivers Project Special Revenue Fund - 099600, 099601						
		2022 Actual	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>	
Revenue						
GRANTS	Miscellaneous Income Total:	444,324.23	453,957.00 453,957.00	146,496.19 146,496.19	505,037.00 505,037.00	
Clean Rivers Project Special Revenue Fund - 099600, 099601	Revenue Grand Total:	444,324.23	453,957.00	146,496.19	505,037.00	

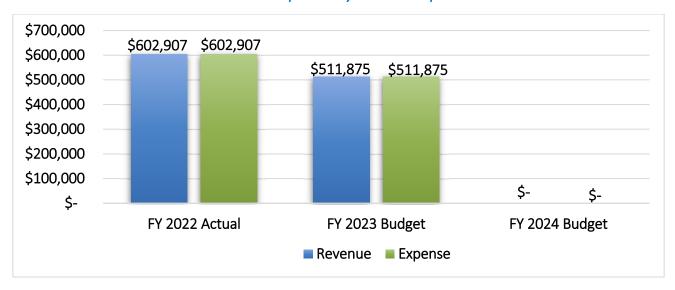
Fiscal Year 2024 Budget

Clean Rivers Project Special Revenue Fund - 099600,	099601			
	<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	2024 Budget
O&M Expense/Debt Service				
OFFICE SUPPLIES	29.58	100.00	133.79	100.00
DUES AND SUBSCRIPTIONS	405.00	100.00	445.00	100.00
LAB SUPPLIES	14,329.46	21,000.00	3,076.98	21,000.00
FUEL, OIL, AND LUBRICANTS	0.00	500.00	0.00	500.00
COMPUTER MAINTENANCE AND SUPPLIES	741.77	200.00	0.00	5,000.00
Supplies Total:	15,505.81	21,900.00	3,655.77	26,700.00
OUTSIDE SERVICES	3,559.16	5,500.00	795.00	500.00
OTHER PROFESSIONAL SERVICES	16,525.00	16,000.00	8,250.00	17,000.00
INFORMATION TECHNOLOGY SERVICES	28,450.00	43,239.00	32,430.00	55,652.00
TECHNICAL SERVICES AND BASIN PLANNING	5,631.00	6,203.00	4,652.00	8,361.00
TELEPHONE AND TELEMETRY	-15.58	0.00	0.00	0.00
POSTAGE	0.00	500.00	0.00	500.00
TRAVEL	16,372.70	12,500.00	4,937.76	14,500.00
TRAINING	3,300.00	1,000.00	95.00	4,000.00
REPAIRS AND MAINTENANCE-EQUIPMENT	2,191.65	500.00	478.90	500.00
REPAIRS AND MAINTENANCE - VEHICLES	4,656.03	500.00	0.00	500.00
INTERFUND SERVICES AND CHARGES	348,148.46	331,115.00	140,335.15	361,824.00
Services and Charges Total:	428,818.42	417,057.00	191,973.81	463,337.00
MACHINERY & EQUIPMENT	0.00	15,000.00	0.00	15,000.00
Capital Outlays Total:	0.00	15,000.00	0.00	15,000.00
Clean Rivers Project Special Revenue Fund - 099600, 099601 Clean Rivers Project O&M Expense/Debt Service Grand Total:	444,324.23	453,957.00	195,629.58	505,037.00



FY 2024 BUDGET SUMMARY

Revenue & Expense by Year Comparison



FY 2024 REVENUE BUDGET - SUMMARY

Revenue by Year

	FY 2022	FY 2023	FY 2024	%
	Actual	Budget	Budget	Change
Grants	\$ 530,572	\$ 465,340	\$ -	(100.00%)
Operating Transfers	60,291	46,535	-	(100.00%)
Interest & Misc. Income	12,044	_	-	0.00%
Total Revenue	\$ 602,907	\$ 511,875	\$ -	(100.00%)

The Operating Transfer is revenue from the Water Sales Special Revenue Fund representing the Authority's matching funds per the grant agreement.

FY 2024 EXPENSE BUDGET - SUMMARY

Expense by Year

	FY 2022		FY 2023	FY 2024		%
		Actual	Budget	ı	Budget	Change
Other Services & Charges	\$	602,907	\$ 511,875	\$	-	(100.00%)
Total Expense	\$	602,907	\$ 511,875	\$	-	(100.00%)

BUDGET HIGHLIGHTS

Other Services & Charges

o The grant contract period for the Trinity River Mid-Basin Watershed study expires in fiscal year 2023, therefore, no expenses have been budgeted.

STAFFING SUMMARY

The Flood Infrastructure Fund does not have assigned employees in the fund.

FY 2024 FUND BALANCE

FY 2024 Ending Fund Balance Projection

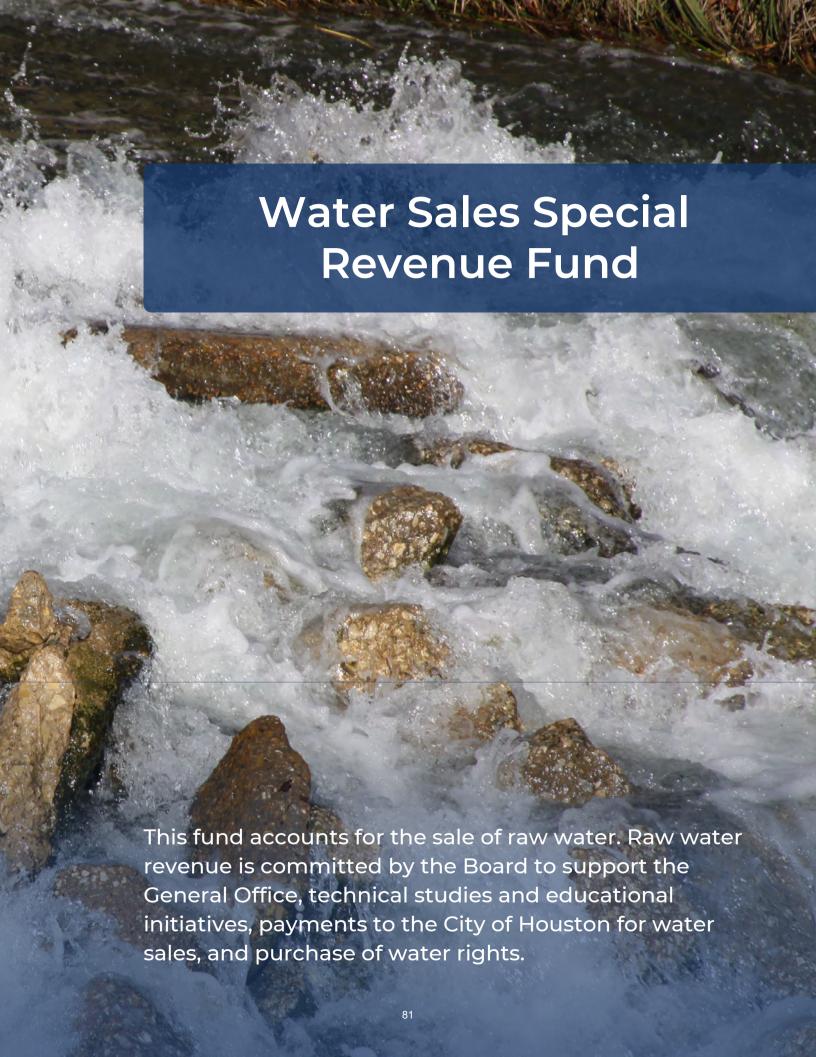
Projected Ending Fund Balance, 11/30/24	\$0
FY24 Budgeted Fund Balance Use	\$0
FY23 Budgeted Fund Balance Use	\$0
Available Fund Balance, 11/30/22	\$0

Fiscal Year 2024 Budget

<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
60,290.73	46,535.00	26,200.70	0.00
530,572.53	465,340.00	223,351.22	0.00
12,044.02	0.00	14,191.31	0.00
Total: 602,907.28	511,875.00	263,743.23	0.00
Total: 602,907.28	511,875.00	263,743.23	0.00
	Actual 60,290.73 530,572.53 12,044.02 Total: 602,907.28	Actual Budget 60,290.73	Actual Budget 07/05/2023 60,290.73 46,535.00 26,200.70 530,572.53 465,340.00 223,351.22 12,044.02 0.00 14,191.31 Total: 602,907.28 511,875.00 263,743.23

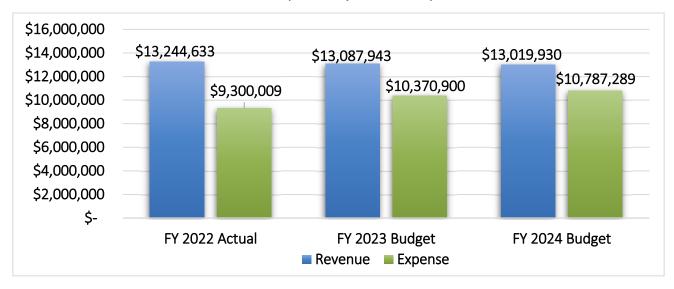
Fiscal Year 2024 Budget

Flood Infrastructure F	und - 097200, 097600				
		<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	2024 Budget
O&M Expense/Debt Servi	ice				
ENGINEERING OUTSIDE SERVICES	Services and Charges Total:	604,016.57 -1,109.29 602,907.28	511,875.00 0.00 511,875.00	327,992.44 0.00 327,992.44	0.00 0.00 0.00
Flood Infrastructure Fund - 097200, 097600	O&M Expense/Debt Service Grand Total:	602,907.28	511,875.00	327,992.44	0.00



FY 2024 BUDGET SUMMARY

Revenue & Expense by Year Comparison

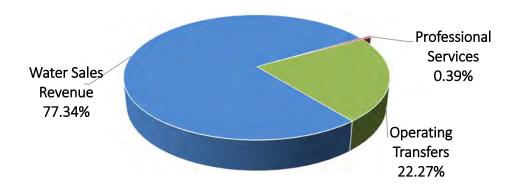


FY 2024 REVENUE BUDGET - SUMMARY

Revenue by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Water Sales Revenue	\$10,568,783	\$10,140,365	\$10,069,508	(0.70%)
Professional Services	-	47,578	50,422	5.98%
Operating Transfers	2,733,023	2,900,000	2,900,000	0.00%
Interest & Misc. Income	(77,173)	-	-	0.00%
Total Revenue	\$13,224,633	\$13,087,943	\$13,019,930	(0.52%)

FY 2024 Revenue Categories

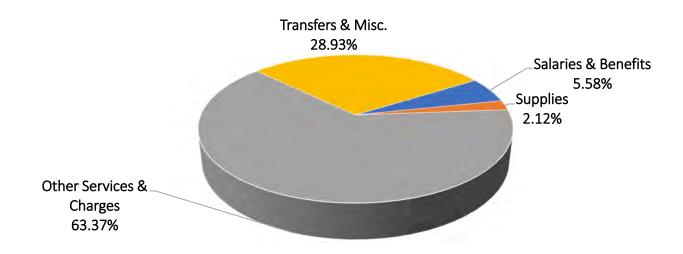


FY 2024 EXPENSE BUDGET - SUMMARY

Expense by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Salaries & Benefits	\$ 421,757	\$ 433,320	\$ 602,144	38.96%
Supplies	122,702	230,100	227,860	(0.97%)
Other Services & Charges	5,429,743	6,586,690	6,836,495	3.79%
Capital Outlays	44,699	-	-	0.00%
Transfers & Misc.	3,281,108	3,120,790	3,120,790	0.00%
Total Expense	\$ 9,300,009	\$ 10,370,900	\$ 10,787,289	4.01%

FY 2024 Expense Categories



BUDGET HIGHLIGHTS

Salaries & Benefits

- o Salaries expense is budgeted to increase for merit for skilled staff per the Salary Administration Plan. Employee benefit education is budgeted to increase as staff continue to participate in the tuition reimbursement program.
- o Health insurance expense is projected to increase related to premium rates.

Supplies

o Dues and subscriptions expense is budgeted to decrease with the discontinuation of an online maintenance and inventory service.

BUDGET HIGHLIGHTS (CONTINUED)

Other Services & Charges

- o Insurance expense reflects an increase in aircraft property coverage.
- o Repair and maintenance-equipment is budgeted to increase for compliance work to be completed on the aircraft.
- o Repair and maintenance-plant expense is budgeted to increase for scheduled HVAC, electrical, and security camera services.
- o Allocated expenses are budgeted to increase for information technology services, technical services and basin planning and administrative overhead.
- O Water expense represents the Authority's payment obligation to the City of Houston (City) through the Livingston-Wallisville Project (facility) based upon (1) a \$2.20 per acre-foot remittance for water sales from the lake pursuant to the 1964 Agreement with the City; and (2) charges owed by the City for the purchase of raw water that are given as a credit against the Authority's cost of the facility until that obligation is liquidated in full.

Capital Outlays

o No new capital equipment expenses related to maintenance and operations are planned.

Transfers & Misc.

o Per provisions from the Series 2008 General Improvement Revenue Bonds, to secure the debt service of bonds, 50% of WSSRF revenues collected from certain contracts are transferred to the Debt Service Fund. Transfers remain unchanged attributed to water sales contracts and the related pledged revenue transfer.

STAFFING SUMMARY

WSSRF will employ 3 full-time employees for the following areas of responsibility: Administration and Operation. The FY 2024 budget includes no new requested positions.

	FY 2022	FY 2023	FY 2024	FY23-24
	Budget	Budget	Budget	Change
Full-time	3	3	3	-

FY 2024 FUND BALANCE

FY 2024 Ending Fund Balance Projection

Available Fund Balance, 11/30/22	\$ 14,965,695
FY23 Budgeted Fund Balance Increase	2,717,043
FY24 Budgeted Fund Balance Increase	2,232,641
Projected Ending Fund Balance, 11/30/24	\$ 19,915,379

For the FY24 Budget, WSSRF is projecting to maintain a consistent fund balance as revenue from contracted water sales, interfund revenue to support the Government Grant and Program Specialist position will cover proposed expenses and provide in excess of six months of operating reserves.

FY 2024 Ending Committed Fund Balance Projection

The WSSRF fund balance is committed by Board resolution to support the following purposes: the General Office (60%), Technical Studies and Educational Initiatives (20%), the agreement with the City of Houston (10%), and the purchase of Water Rights (10%). These commitments may be revised at the Board discretion.

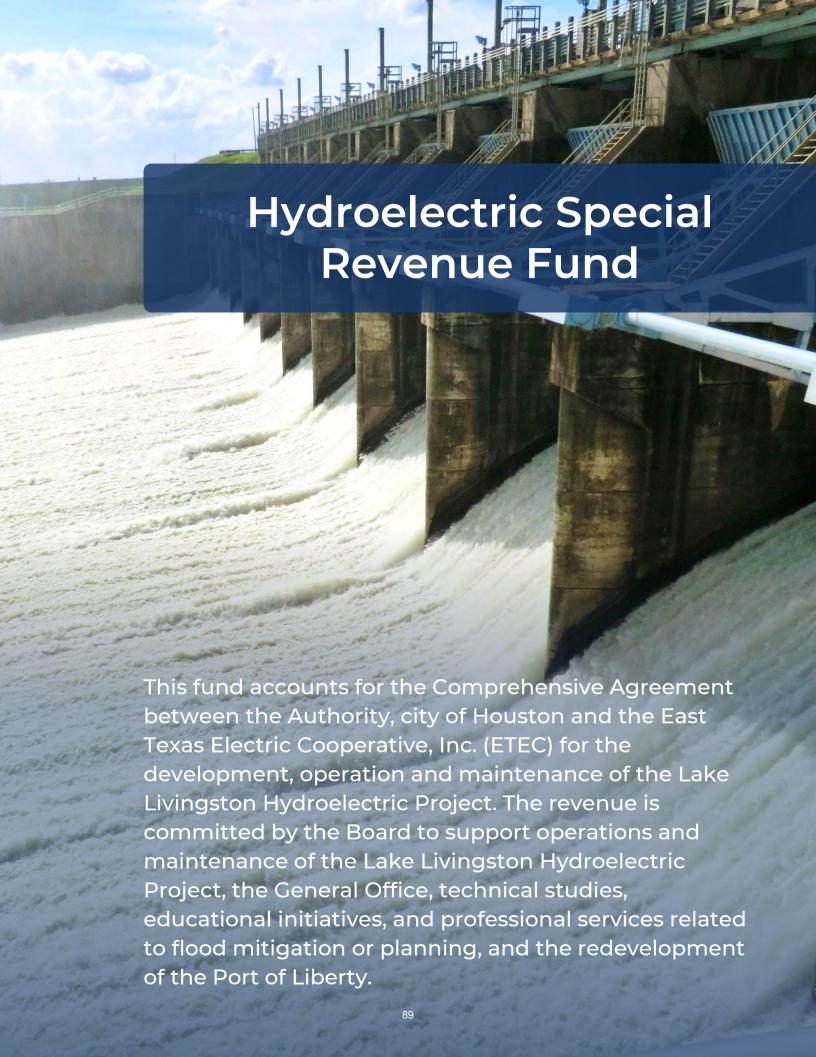
General Office	\$ 8,501,584
Technical Studies and Educational/Recreational Initiatives	4,539,508
City of Houston	3,423,209
Purchase of Water Rights	3,451,078
Projected Ending Committed Fund Balance, 11/30/24	\$ 19,915,379

Fiscal Year 2024 Budget

Water S	ales Special Re	venue Fund - 008600, 008601	, 008602, 008603, 0086	604, 007101, 007201, 00	07600, 006101, 006600	
			<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
Revenue						
****	WATER SALES -	· LLP	4,750,000.00	4,750,000.00	4,750,000.00	4,750,000.00
****	WATER SALES -	- TCRWS	106,495.00	106,495.00	106,495.00	106,495.00
****	WATER SALES -	- HRWS	1,703,767.00	1,576,126.00	1,576,126.00	1,576,126.00
****	WATER SALES -	- LRWS	463,268.00	463,268.00	463,268.00	463,268.00
****	WATER SALES -	- INDUSTRIAL	66,500.00	0.00	0.00	0.00
****	WATER SALES -	- AGRICULTURAL	154,075.00	132,800.00	113,140.52	135,882.00
****	WATER SALES -	- CITY OF CORSICANA	8,050.00	8,050.00	6,037.11	8,050.00
****	WATER SALES -	- DALWORTHINGTON GAR	2,850.00	2,850.00	0.00	2,850.00
****	WATER SALES -	- CITY OF DAWSON	3,800.00	0.00	1,800.00	2,400.00
****	WATER SALES -	- CITY OF IRVING	16,346.62	0.00	3,387.55	731.00
****	WATER SALES -	- LAKE LIVINGSTON WSC	86,574.00	86,574.00	86,574.00	86,574.00
****	WATER SALES -	- CITY OF MIDLOTHIAN	185,650.00	135,295.00	0.00	153,225.00
****	WATER SALES -	- NTMWD	2,661,425.00	2,661,425.00	2,661,425.00	2,661,425.00
****	WATER SALES -	- SAN JACINTO RIVER AUT	237,500.00	95,000.00	0.00	0.00
****	WATER SALES -	- TRINITY RURAL WSC	84,550.00	84,550.00	84,550.00	84,550.00
****	WATER SALES -	- TRINITY ESC	10,264.00	10,264.00	10,264.00	10,264.00
****	WATER SALES -	- WATERWOOD	27,668.00	27,668.00	27,668.00	27,668.00
		Contract Revenue Total:	10,568,782.62	10,140,365.00	9,890,735.18	10,069,508.00
INTER	RFUND SERVICES		0.00	47,578.00	0.00	50,422.00
		Professional Services Total:	0.00	47,578.00	0.00	50,422.00
OPER	RATING TRANSFEI	RS B/W TRA FUNDS	2,733,022.67	2,900,000.00	1,754,635.90	2,900,000.00
INTER	REST INCOME		-77,172.00	0.00	366,299.37	0.00
	ı	Miscellaneous Income Total:	2,655,850.67	2,900,000.00	2,120,935.27	2,900,000.00
Rev 008600, 008603,	Sales Special enue Fund - 008601, 008602, 008604, 007101, 007600, 006101, 006600	Revenue Grand Total:	13,224,633.29	13,087,943.00	12,011,670.45	13,019,930.00

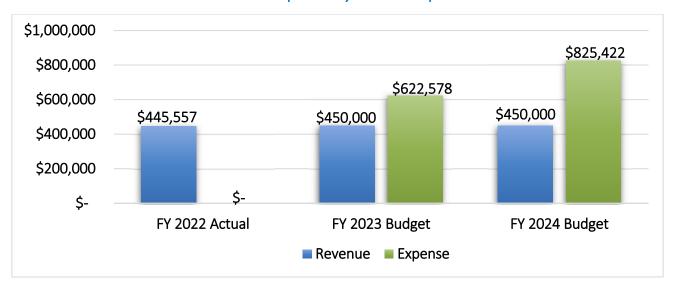
Fiscal Year 2024 Budget

Water Sales Special Revenue Fund - 008600, 008601,	008602, 008603, 0086	604, 007101, 007201, 0 0	07600, 006101, 006600	
	<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
O&M Expense/Debt Service				
SALARIES	325,444.65	335,137.00	205,457.31	469,985.00
PAYROLL TAXES-FICA	22,407.54	24,800.00	14,884.26	30,377.00
EMPLOYEE BENEFIT - HEALTH/LIFE	33,776.26	28,632.00	14,886.54	38,821.00
EMPLOYEE BENEFIT - PENSION	39,053.38	40,136.00	24,654.85	56,246.00
EMPLOYEE RECOGNITION	1,075.00	1,315.00	1,315.00	1,315.00
EMPLOYEE BENEFIT - EDUCATION	0.00	3,300.00	0.00	5,400.00
Salaries and Benefits Total:	421,756.83	433,320.00	261,197.96	602,144.00
OFFICE SUPPLIES	318.83	700.00	412.30	700.00
DUES AND SUBSCRIPTIONS	31,848.69	25,890.00	18,412.79	24,100.00
MAINT AND OPER SUPPLIES	15,117.73	13,500.00	2,868.95	13,000.00
FUEL, OIL, AND LUBRICANTS	75,212.40	189,460.00	50,358.25	189,460.00
COMPUTER MAINTENANCE AND SUPPLIES	203.98	550.00	0.00	600.00
Supplies Total:	122,701.63	230,100.00	72,052.29	227,860.00
LEGAL SERVICES	59,753.47	75,000.00	32,133.00	75,000.00
OUTSIDE SERVICES	4,663.82	16,807.00	34,366.71	21,136.00
OTHER PROFESSIONAL SERVICES	10,074.50	582,000.00	164,511.09	592,000.00
COMMUNICATIONS	240.53	0.00	0.00	0.00
INFORMATION TECHNOLOGY SERVICES	22,180.00	28,735.00	21,550.00	36,481.00
TECHNICAL SERVICES AND BASIN PLANNING	0.00	560,580.00	420,435.00	669,628.00
TELEPHONE AND TELEMETRY	-7.79	1,500.00	0.00	250.00
INSURANCE	51,510.00	53,949.00	62,567.00	72,299.00
DIRECTOR'S TRAVEL	15.00	0.00	0.00	0.00
TRAVEL	13,955.15	23,000.00	3,230.50	23,700.00
LAUNDRY, UNIF, AND IND. EQUIPMENT	520.02	400.00	517.01	400.00
TRAINING	34,235.00	49,300.00	0.00	49,300.00
UTILITIES	15,977.60	16,320.00	8,292.10	16,320.00
WATER REPAIRS AND MAINTENANCE-EQUIPMENT	4,790,149.87 78,502.26	4,791,000.00 103,900.00	4,766,116.18 39,679.26	4,791,000.00 138,500.00
REPAIRS AND MAINTENANCE - PLANT	44,779.03	7,600.00	17,337.98	15,000.00
RENT - OTHER PROPERTY	6,259.50	6,500.00	2,889.00	6,500.00
ADMINISTRATIVE OVERHEAD	296,935.00	270,099.00	270,099.00	328,981.00
Services and Charges Total:	5,429,742.96	6,586,690.00	5,843,723.83	6,836,495.00
MACHINERY & EQUIPMENT	44,699.00	0.00	0.00	0.00
Capital Outlays Total:	44,699.00	0.00	0.00	0.00
TRANSFER TO(FROM) OTHER TRA FUNDS	3,281,107.93	3,120,790.00	2,411,285.80	3,120,790.00
Transfer & Misc Total:				
Transiers & Misc. Total.	3,281,107.93	3,120,790.00	2,411,285.80	3,120,790.00
Water Sales Special Revenue Fund - O&M Expense/Debt Service 008600, 008601, 008602, Grand Total: 008603, 008604, 007101, 007201, 007600, 006101,	9,300,008.35	10,370,900.00	8,588,259.88	10,787,289.00
006600				



FY 2024 BUDGET SUMMARY

Revenue & Expense by Year Comparison

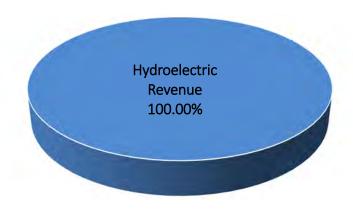


FY 2024 REVENUE BUDGET - SUMMARY

Revenue by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Hydroelectric Revenue	\$ 450,000	\$ 450,000	\$ 450,000	0.00%
Interest & Misc. Income	(4,443)	-	-	0.00%
Total Revenue	\$ 445,557	\$ 450,000	\$ 450,000	0.00%

FY 2024 Revenue Categories

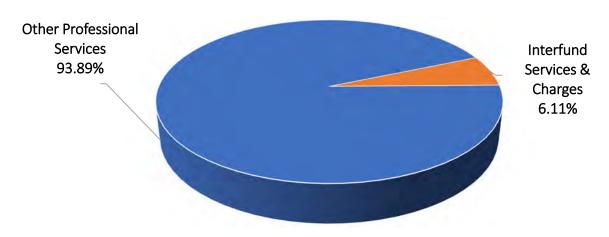


FY 2024 EXPENSE BUDGET - SUMMARY

Expense by Year

	FY 202	22	FY 2023	F	Y 2024	%
	Actua	al	Budget		Budget	Change
Other Professional Services	\$	- \$	575,000	\$	775,000	34.78%
Interfund Services & Charges		-	47,578		50,422	5.98%
Total Expense	\$	- \$	622,578	\$	825,422	32.58%

FY 2024 Expense Categories



BUDGET HIGHLIGHTS

Other Services & Charges

- Other professional services expense is budgeted to increase for a planned Port of Liberty feasibility investigation and master plan development completed under contractual relations with the U.S. Army Corps of Engineers. The purpose of this study is to support economic development in the lower Trinity Basin in conjunction with the Authority's long term basin goals and strategic plan.
- o Interfund services and charges expense is anticipated to increase for the support of the WSSRF Government Grant Program Specialist's work securing grant financing for existing and proposed projects.

STAFFING SUMMARY

The HSRF fund does not have assigned employees, however, it will incur interfund services and charges for 50% of the salary and benefits for the WSSRF Government Grant Program Specialist position.

FY 2024 FUND BALANCE

FY 2024 Ending Fund Balance Projection

Available Fund Balance, 11/30/22	\$ 1,068,336
FY23 Budgeted Fund Balance Use	(172,578)
FY24 Budgeted Fund Balance Use	(375,422)
Projected Ending Fund Balance, 11/30/24	\$ 520,336
Months of Operating Expenses	7.56

For the FY24 Budget, HSRF is projecting a decrease in fund balance as expense will exceed revenue. The fund balance projects to provide in excess of two months operating reserves.

FY 2024 Ending Committed Fund Balance Projection

The HSRF fund balance is committed by Board resolution to support the following purposes: Operation and Maintenance of Lake Livingston Hydroelectric Project (30%), support of the General Office (10%), Flood Planning/Mitigation Studies and Educational Initiatives (40%), and Redevelopment of the Port of Liberty (20%). A review of the commitment balance is conducted annually to uphold the integrity of the Board resolution framework. These commitments may be revised at Board discretion.

Projected Ending Committed Fund Balance, 11/30/24	\$ 520,336
Support of the Port of Liberty	(956,329)
Technical Studies	787,390
General Office	98,853
Operations and Maintenance	\$ 590,422

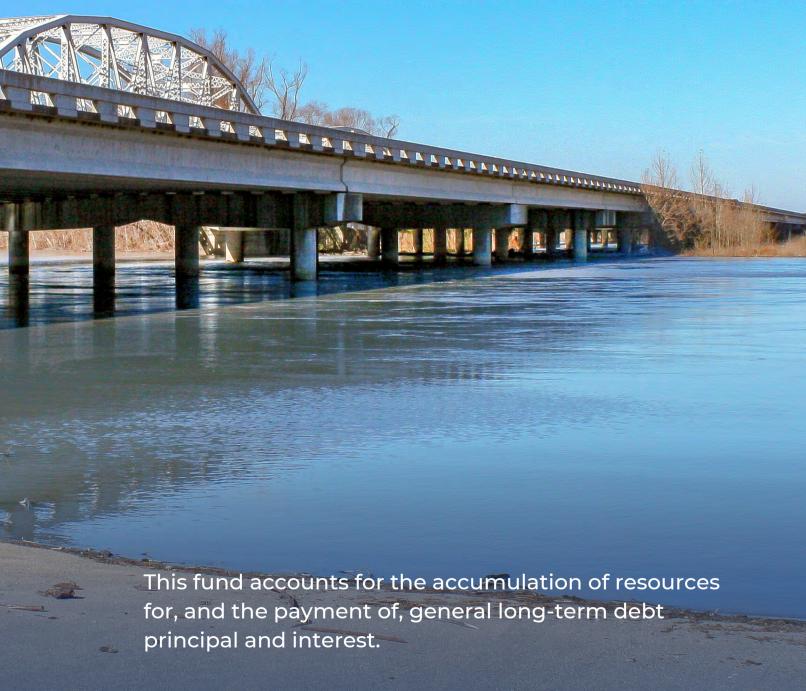
Fiscal Year 2024 Budget

Hydroelectric Special F	Revenue Fund - 009600, 00960	1, 009602, 009603, 009	604		
		<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
Revenue					
HYDROELECTRIC REV	/ENUE	450,000.00	450,000.00	0.00	450,000.00
INTEREST INCOME		-4,443.46	0.00	28,487.50	0.00
	Miscellaneous Income Total:	445,556.54	450,000.00	28,487.50	450,000.00
Hydroelectric Special Revenue Fund - 009600, 009601, 009602, 009603, 009604	Revenue Grand Total:	445,556.54	450,000.00	28,487.50	450,000.00

Fiscal Year 2024 Budget

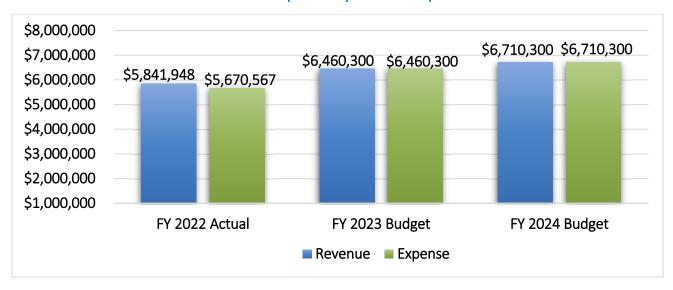
Hydroelectric Special Revenue Fund - 009600, 009601, 009	9602, 009603, 009	604		
	2022 Actual	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
O&M Expense/Debt Service				
OTHER PROFESSIONAL SERVICES INTERFUND SERVICES AND CHARGES Services and Charges Total:	0.00 0.00 0.00	575,000.00 47,578.00 622,578.00	0.00 0.00 0.00	775,000.00 50,422.00 825,422.00
Hydroelectric Special	0.00	622,578.00	0.00	825,422.00

Debt Service Fund



FY 2024 BUDGET SUMMARY

Revenue & Expense by Year Comparison

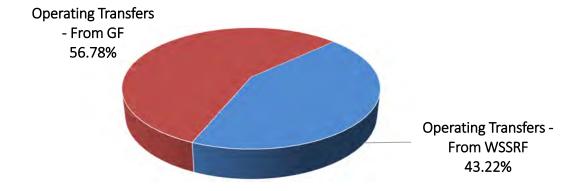


FY 2024 REVENUE BUDGET - SUMMARY

Revenue by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Operating Transfers – From WSSRF	\$ 2,909,391	\$ 2,900,300	\$ 2,900,300	0.00%
Operating Transfers – From GF	\$ 2,938,441	\$3,560,000	\$ 3,810,000	7.02%
Interest & Misc. Income	(5,884)	-	-	0.00%
Total Revenue	\$ 5,841,948	\$ 6,460,300	\$ 6,710,300	3.87%

FY 2024 Revenue Categories

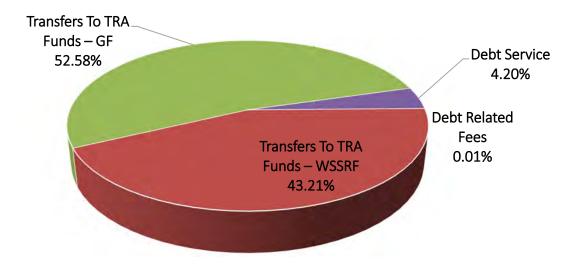


FY 2024 EXPENSE BUDGET - SUMMARY

Expense by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Debt Related Fees	\$ 300	\$ 300	\$ 300	0.00%
Transfers to TRA Funds – WSSRF	2,733,022	2,900,000	2,900,000	0.00%
Transfers to TRA Funds – GF	2,655,753	3,278,040	3,528,037	7.63%
Debt Service	281,492	281,960	281,963	0.00%
Total Expense	\$ 5,670,567	\$ 6,460,300	\$ 6,710,300	3.87%

FY 2024 Expense Categories



BUDGET HIGHLIGHTS

Transfers & Misc.

o Transfers to the General Fund increase is attributable to transfers to fund fiscal year debt service expense. Per provisions from the Series 2008 General Improvement Revenue Bonds, to secure the debt service of the bonds, 50% of WSSRF revenues collected from certain contracts and 30% of certain General Fund administrative overhead collected are transferred to the DSF and returned after the next fiscal year's February debt service payments are completed.

Debt Service

o Bond principal expense reflects an increase and interest expense reflects a decrease based upon the outstanding debt schedule.

STAFFING SUMMARY

The Debt Service Fund does not have assigned employees.

FY 2024 FUND BALANCE

FY 2024 Ending Fund Balance Projection

Projected Ending Fund Balance, 11/30/24	\$355,070
FY24 Budgeted Fund Balance Use	-
FY23 Budgeted Fund Balance Use	-
Available Fund Balance, 11/30/22	\$355,070

For the FY24 Budget, the DSF plans no use of fund balance as transfers are budgeted to cover expenses. Resolution R-1253 approved by the Board on June 25, 2008 directive is fifty percent of revenues collected by the Water Sales Special Revenue Fund from certain water sales contracts and thirty percent of certain administrative overhead charges collected by the General Fund were pledged to meet debt service requirements of the Series 2008 General Improvement Revenue Bonds. Additionally, per Resolution R-1253, funds in excess of those pledged and transferred from the WSSRF and GF to pay principal and/or interest on the Bonds will be redeposited into the WSSRF and GF. As of 12/01/2023 remaining principal and interest outstanding on the General Obligation Bond is \$1,400,537. Projected fund balance is due to pledged revenues and transferred back to the originating funds after the next fiscal year's February debt service payment is completed.

Fiscal Year 2024 Budget

		<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	2024 <u>Budge</u>
evenue					
OPERATING TRANSFER	RS B/W TRA FUNDS -	2,909,391.31	2,900,300.00	2,028,245.10	2,900,300.0
OPERATING TRANSFERS B/W TRA FUNDS - I&S		2,938,441.09	3,560,000.00	1,514,492.86	3,810,000.00
INTEREST INCOME		-5,884.09	0.00	17,030.25	0.0
N	Miscellaneous Income Total:	5,841,948.31	6,460,300.00	3,559,768.21	6,710,300.0
Debt Service Fund - 002600, 002700	Revenue Grand Total:	5,841,948.31	6,460,300.00	3,559,768.21	6,710,300.0

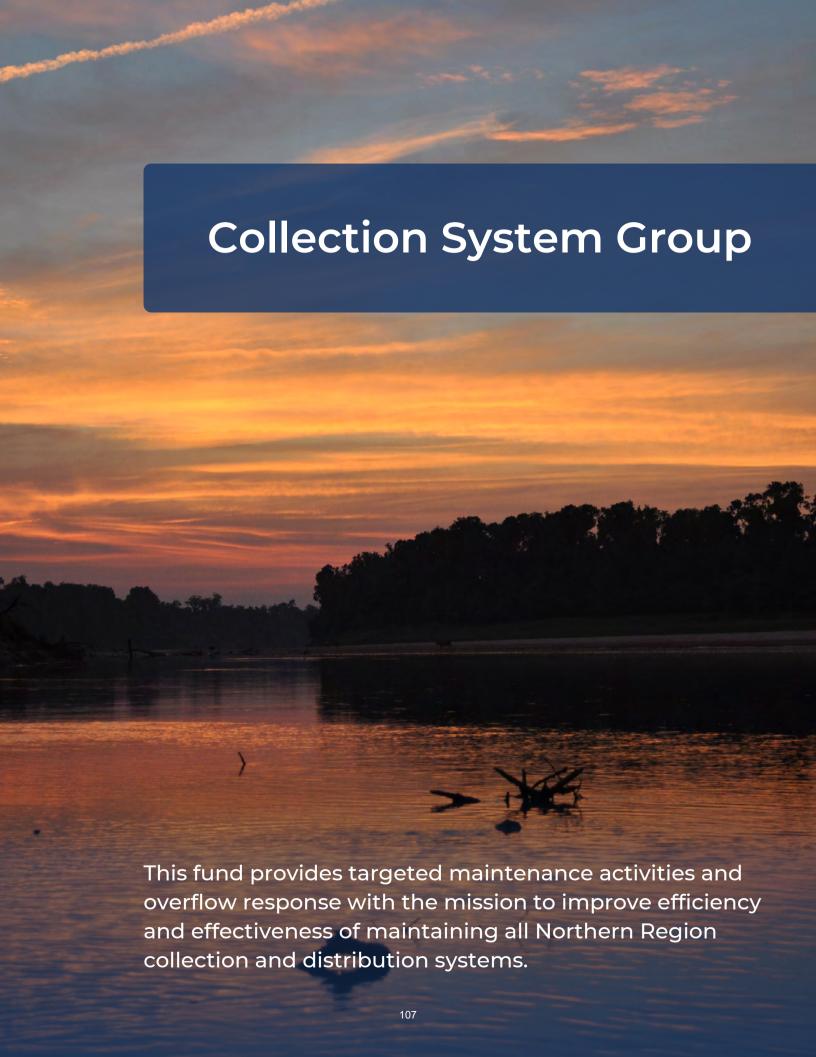
Fiscal Year 2024 Budget

Debt Service Fund - 002	2600, 002700				
		2022 Actual	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
O&M Expense/Debt Service					
DEBT RELATED FEES - Revenue TRANSFER TO(FROM) OTHER TRA FUNDS - Revenue		300.00 2,733,022.67	300.00 2,900,000.00	300.00 1,754,635.90	300.00 2,900,000.00
	OTHER TRA FUNDS - I&S Transfers & Misc Total:	2,655,752.52 5,389,075.19	3,278,040.00 6,178,340.00	1,483,782.85 3,238,718.75	3,528,037.00 6,428,337.00
	O&M Expense Grand Total:	5,389,075.19	6,178,340.00	3,238,718.75	6,428,337.00
BOND PRINCIPAL PAYMENTS - I&S INTEREST ON LONG-TERM DEBT - I&S Debt Service Total:		205,000.00 76,492.50 281,492.50	215,000.00 66,960.00 281,960.00	0.00 33,480.00 33,480.00	225,000.00 56,963.00 281,963.00
	Debt Service Grand Total:	281,492.50	281,960.00	33,480.00	281,963.00
Debt Service Fund - 002600, 002700	O&M Expense/Debt Service Grand Total:	5,670,567.69	6,460,300.00	3,272,198.75	6,710,300.00



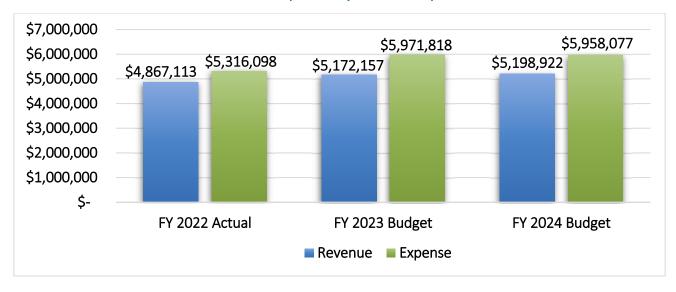
Internal Service Funds





FY 2024 BUDGET SUMMARY





FY 2024 REVENUE BUDGET - SUMMARY

Revenue by Year

		′ 2022 Actual	FY 202 Budge	_	FY 20 Buo	024 dget	% Change
Interfund Services & Charges	\$	38,760	\$	-	\$	-	0.00%
CSG Professional Services	۷	1,847,855	5,172	,157	5,19	98,922	0.52%
Interest & Misc. Income		(19,502)		-		-	0.00%
Total Revenue	\$ 4	1,867,113	\$ 5,172	,157	\$ 5,19	98,922	0.52%

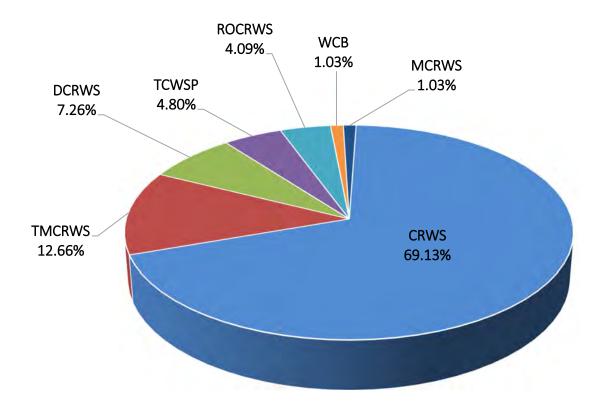
FY 2024 Revenue Categories



FY 2024 REVENUE BUDGET - SUMMARY (CONTINUED)

FY 2024 Professional Services Revenue Allocation

Operating F	und	FY24 Budget
CRWS		\$3,594,070
TMCRWS		658,013
DCRWS		377,375
TCWSP		249,479
ROCRWS		212,699
MCRWS		53,643
WCB		53,643
	Total	\$5,198,922

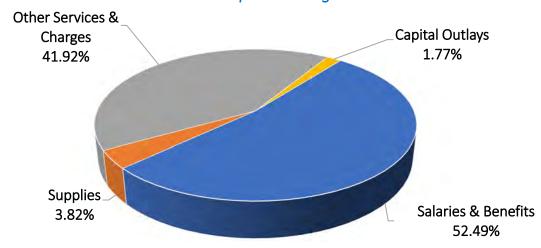


FY 2024 EXPENSE BUDGET - SUMMARY

Expense by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Salaries & Benefits	\$ 2,573,001	\$ 3,035,678	\$ 3,127,179	3.01%
Supplies	221,205	226,499	227,800	0.57%
Other Services & Charges	2,266,962	2,259,916	2,497,636	10.52%
Capital Outlays	254,930	449,725	105,462	(76.55%)
Total Expense	\$ 5,316,098	\$ 5,971,818	\$ 5,958,077	(0.23%)

FY 2024 Expense Categories



BUDGET HIGHLIGHTS

Salaries & Benefits

- O Salaries expense reflects an increase for the addition of a full-time Utility Maintenance Worker I. This position will perform preventative maintenance, repair and inspection activities on assets, including pipelines and meter stations.
- o Health insurance expense is projected to increase related to insurance premium rates.
- o Employee benefit-education expense is projected to increase as additional CSG staff are utilizing the program to pursue education and degrees.

Supplies

o Instrumentation supplies expense is budgeted to increase for the purchase of remote telemetry units used for recording and communicating data from temporary flow meters.

BUDGET HIGHLIGHTS (CONTINUED)

Other Services & Charges

- o Repair and maintenance- improvements other than buildings expense is budgeted to increase due to collection system pipeline closed-circuit television inspection, system repair and large line cleaning.
- o Rent machinery and equipment expenses are budgeted to increase for heavy duty equipment used in excavation projects.
- o Allocated expenses related to information technology and technical services and basin planning are budgeted to increase during the fiscal year.

Capital Outlays

o CSG anticipates the purchase of a row tractor, a tilt bed trailer, an all-terrain vehicle (ATV) and compound flow meter, however, machinery and equipment capital expenses are budgeted to decrease.

STAFFING SUMMARY

CSG employs 32 full time employees in the following areas of responsibility: Administration, Collection System Repairs, Metering and Engineering/Field Services. One new full-time Utility Maintenance Worker position is budgeted in the FY 2024.

	FY 2022	FY 2023	FY 2024	FY23-24
	Budget	Budget	Budget	Change
Full-time	30	31	32	1

FY 2024 FUND BALANCE

FY 2024 Ending Fund Balance Projection

Available Fund Balance, 11/30/22	\$ 2,527,294
FY23 Budgeted Fund Balance Use	(799,661)
FY24 Budgeted Fund Balance Use	(759,155)
Projected Ending Fund Balance, 11/30/24	\$ 968,478

The Collection System Group limited the budgeted increase of allocation costs to other operating funds in FY24, by utilizing \$759,155 of available fund balance. The projected fund balance continues to provide CSG in excess of one month of operating expense in reserve.

Trinity River Authority of Texas

Fiscal Year 2024 Budget

INTERNAL SERVICE FUNDS

Collection System Gro	oup (CSG) - 802600	<u>2022</u> Actual	<u>2023</u> Budget	2023 YTD as of 07/05/2023	<u>2024</u> Budget
		Actual		01/03/2023	Buuget
Revenue					
INTERFUND SERVICE	S & CHARGES	38,760.02	0.00	4,753.43	0.00
	Professional Services Total:	38,760.02	0.00	4,753.43	0.00
CSG PROFESSIONAL	SERVICES	4,847,855.00	5,172,157.00	5,172,157.00	5,198,922.00
INTEREST INCOME		-19,843.96	0.00	55,134.26	0.00
SALE OF CAPITAL ASS	SETS	342.25	0.00	0.00	0.00
	Miscellaneous Income Total:	4,828,353.29	5,172,157.00	5,227,291.26	5,198,922.00
Collection System Group (CSG) - 802600	Revenue Grand Total:	4,867,113.31	5,172,157.00	5,232,044.69	5,198,922.00

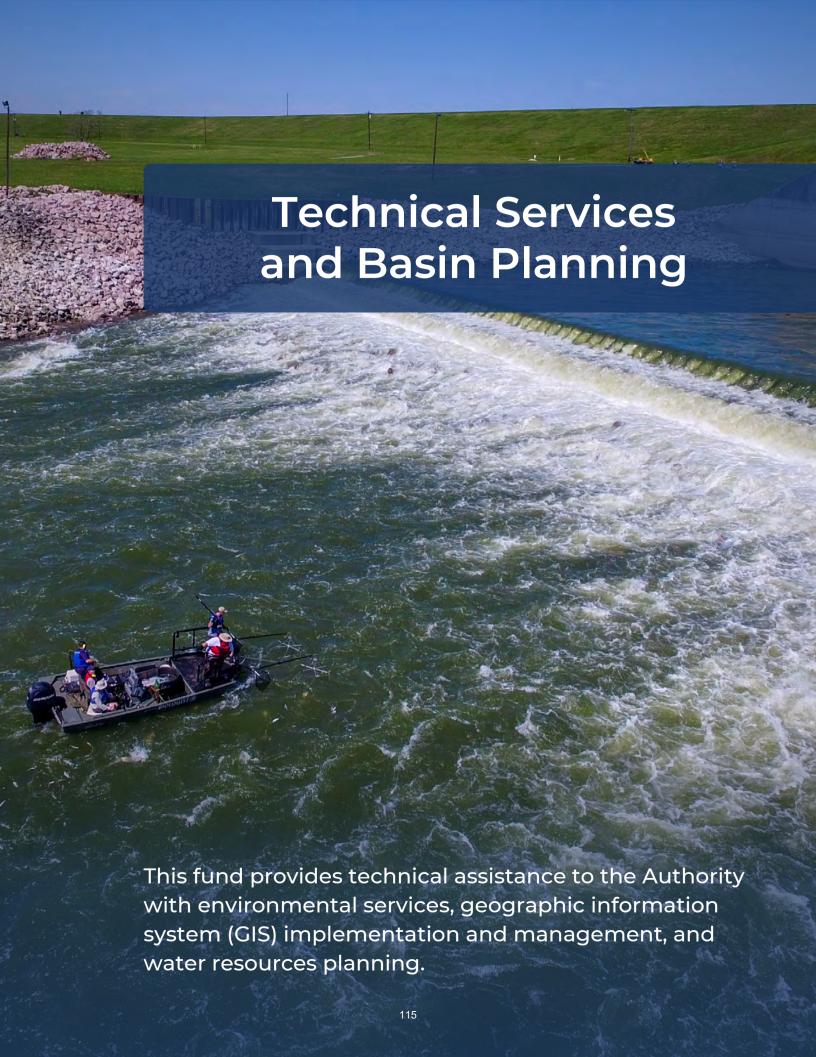
Trinity River Authority of Texas

Fiscal Year 2024 Budget

INTERNAL SERVICE FUNDS

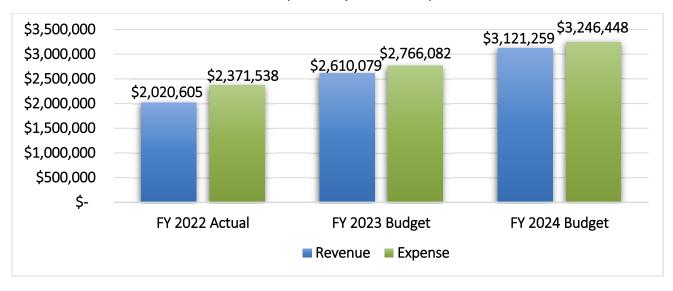
	2022	<u>2023</u> Budget	2023 YTD as of	20:
	<u>Actual</u>	<u>Dauger</u>	<u>07/05/2023</u>	<u>Budg</u>
M Expense/Debt Service				
SALARIES	1,752,629.30	2,105,918.00	990,806.37	2,146,216.
PAYROLL TAXES-FICA	127,499.69	161,103.00	74,352.58	163,880.
EMPLOYEE BENEFIT - HEALTH/LIFE	473,812.34	498,635.00	252,744.94	533,084.
EMPLOYEE BENEFIT - PENSION	195,267.38	241,977.00	103,944.36	251,118.
UNEMPLOYMENT COMPENSATION	0.00	500.00	0.00	500
EMPLOYEE RECOGNITION	18,355.00	19,645.00	18,342.31	18,805
EMPLOYEE BENEFIT - EDUCATION	5,437.69	7,900.00	448.95	13,576
Salaries and Benefits Total:	2,573,001.40	3,035,678.00	1,440,639.51	3,127,179
OFFICE SUPPLIES	6,653.25	6,350.00	2,600.66	6,200
DUES AND SUBSCRIPTIONS	250.00	1,500.00	601.00	1,175
FEES O/T DUES AND SUBSCRIPTIONS	1,388.50	1,149.00	408.00	1,260
MAINT AND OPER SUPPLIES	12,725.22	31,000.00	17,910.48	29,000
FUEL, OIL, AND LUBRICANTS	160.12	500.00	20.00	300
INSTRUMENTATION MAINT & SUPPLIES	193,669.03	183,500.00	108,203.24	187,365
COMPUTER MAINTENANCE AND SUPPLIES	6,358.96	2,500.00	1,474.37	2,500
Supplies Total:	221,205.08	226,499.00	131,217.75	227,800
OUTSIDE SERVICES	7,589.38	4,865.00	2,229.36	6,158
OTHER PROFESSIONAL SERVICES	34,234.09	193,174.00	31,909.35	193,470
INFORMATION TECHNOLOGY SERVICES	386,080.00	514,146.00	385,608.00	615,795
TECHNICAL SERVICES AND BASIN PLANNING	175,836.00	195,204.00	146,403.00	223,296
PRINTING AND BINDING	315.00	200.00	321.12	180
INSURANCE	103,819.00	127,667.00	127,667.00	133,608
TRAVEL	3,725.77	13,778.00	2,491.48	10,112
LAUNDRY, UNIF, AND IND. EQUIPMENT	10,968.63	14,700.00	10,364.04	14,850
TRAINING	32,057.75	17,958.00	11,967.49	22,150
R&M IMPROVEMENTS O/T BUILDINGS	1,223,483.77	850,000.00	410,854.38	900,000
REPAIRS AND MAINTENANCE-EQUIPMENT	12,925.29	38,000.00	5,302.15	25,500
REPAIRS AND MAINTENANCE - VEHICLES	5,192.78	2,000.00	964.33	3,200
REPAIRS AND MAINTENANCE - ELECTRICAL	1,111.26	1,000.00	1,284.11	2,000
RENT - BUILDINGS	31,624.00	31,624.00	31,624.00	31,624
RENT - MACHINERY & EQUIPMENT	2,788.33	15,300.00	24,609.99	70,530
INTERFUND SERVICES AND CHARGES	213,170.00	218,259.00	218,259.00	213,800
OPERATING OVERHEAD	22,041.00	22,041.00	22,041.00	31,363
Services and Charges Total:	2,266,962.05	2,259,916.00	1,433,899.80	2,497,636
MACHINERY & EQUIPMENT	254,930.23	449,725.00	334,233.15	105,462
Capital Outlays Total:	254,930.23	449,725.00	334,233.15	105,462
MISCELLANEOUS EXPENSES	0.00	0.00	-154.25	0
Transfers & Misc Total:	0.00	0.00	-154.25	0
Collection System				
Group (CSG) - 802600 O&M Expense/Debt Service Grand Total:	5,316,098.76	5,971,818.00	3,339,835.96	5,958,077

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FY 2024 BUDGET SUMMARY

Revenue & Expense by Year Comparison

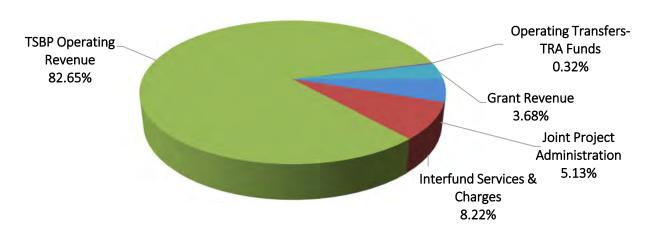


FY 2024 REVENUE BUDGET - SUMMARY

Revenue by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Joint Project Administration	\$ 58,197	\$ 120,000	\$ 160,000	33.33%
Interfund Services & Charges	249,897	225,715	256,424	13.61%
TSBP Operating Revenue	1,605,913	2,264,364	2,579,835	13.93%
Operating Transfers-TRA Funds			10,000	100%
Grant Revenue	109,765	-	115,000	100.00%
Interest & Misc. Income	(3,167)	-	-	0.00%
Total Revenue	\$2,020,605	\$2,610,079	\$3,121,259	19.58%

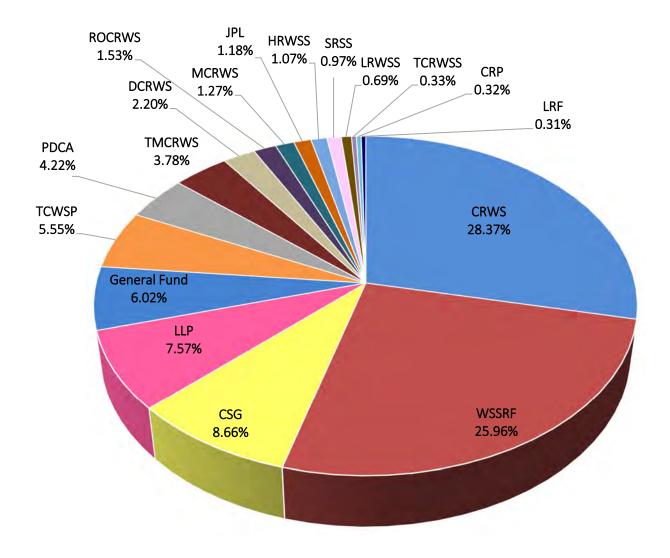
FY 2024 Revenue Categories



FY 2024 REVENUE BUDGET - SUMMARY (CONTINUED)

FY 2024 Operating Revenue Allocation

Fund	FY24 Budget	Fund	FY24 Budget
CRWS	\$ 732,389	ROCRWS	\$ 39,505
WSSR	669,628	MCRWS	32,727
CSG	223,296	JPL	30,334
LLP	195,190	HRWSS	27,542
GF	155,229	SSRS	24,951
TCWSP	143,209	LRWSS	17,857
PDCA	108,820	TCRWSS	8,538
TMCRWS	97,396	CRP	8,361
DCRWS	56,861	LRF	8,002
		Total	\$2,579,835

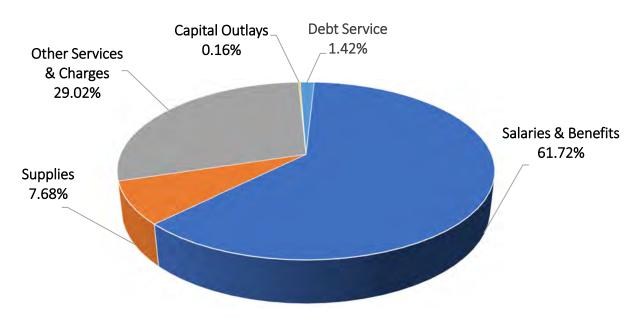


FY 2024 EXPENSE BUDGET - SUMMARY

Expense by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Salaries & Benefits	\$ 1,553,091	\$ 1,827,533	\$ 2,003,573	9.63%
Supplies	241,558	230,743	249,434	8.10%
Other Services & Charges	466,896	649,451	942,241	45.08%
Capital Outlays	83,043	11,000	5,000	(54.55%)
Debt Service	26,950	47,355	46,200	(2.44%)
Total Expense	\$ 2,371,538	\$ 2,766,082	\$ 3,246,448	17.37%

FY 2024 Expense Categories



BUDGET HIGHLIGHTS

Salaries & Benefits

- o Salaries expense is budgeted to increase for merit and progressions for skilled staff according to the Authority's approved Salary Administration Plan.
- o Health insurance expense is projected to increase for premium rates.
- o Employee benefit-education is budgeted to decrease as result of a reduction in use of the tuition reimbursement program.

BUDGET HIGHLIGHTS (CONTINUED)

Supplies

- o Dues and subscriptions expense is anticipated to increase for membership fees for the Texas Water Action Collaborative that provides the Authority access to grant funding opportunities.
- Computer maintenance and supplies expense reflects an increase for license agreements for the GIS enterprise software and Lucity Asset Management program.

Other Services & Charges

- o Other professional services expense reflects an increase related to funding for water resources planning and flood risk reduction activities.
- o Allocated services for information technology are budgeted to increase for staff costs, related software and planned projects.

Capital Outlays

o Machinery and equipment expense reflects a decrease offset by the projected purchase of additional survey equipment for mapping, images, and chart plotting.

Debt Service

o Lease expense is budgeted to decrease for the facility lease agreement for work space, maintenance and storage.

STAFFING SUMMARY

TSBP employs 16 full time employees for the following areas of responsibility: Administration, Geospatial Services, Environmental Services and Water Resources Planning. No new positions requested in FY 2024 budget.

	FY 2022	FY 2023	FY 2024	FY23-24
	Budget	Budget	Budget	Change
Full-time	16	16	16	0

FY 2024 FUND BALANCE

FY 2024 Ending Fund Balance Projection

Available Fund Balance, 11/30/22	(\$ 836,077
FY23 Projected Fund Balance Use		(156,003)
FY24 Budgeted Fund Balance Use		(125,189)
Projected Ending Fund Balance, 11/30/24	\$	554,885
, , ,		
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For FY24 Budget, TSBP decreased its use of available fund balance to \$125,189, increasing the allocation costs for some operating funds. The projected fund balance continues to provide TSBP in excess of two months operating expense in reserve.

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Trinity River Authority of Texas

Fiscal Year 2024 Budget

INTERNAL SERVICE FUNDS

		<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> Budget
Revenue					
****	CONTRACT REVENUE-CASH	6,237.50	30,000.00	0.00	30,000.00
***	CONT. REV CEDAR HILL-CASH	8,311.83	0.00	3.77	10,000.00
****	CONT. REV DALLAS-CASH	6,237.50	30,000.00	0.00	30,000.00
****	CONT. REV FORT WORTH-CASH	6,237.50	30,000.00	0.00	30,000.00
****	CONT. REV GRAND PRAIRIE-CASH	8,311.83	0.00	3.76	10,000.00
****	CONT. REV MANSFIELD-CASH	8,311.83	0.00	3.77	10,000.00
****	CONT. REV MIDLOTHIAN-CASH	8,311.84	0.00	3.77	10,000.00
****	CONT. REV NORTH TMWD-CASH	6,237.50	30,000.00	0.00	30,000.00
	Contract Revenue Total:	58,197.33	120,000.00	15.07	160,000.00
INTER	RFUND SERVICES & CHARGES	249,896.65	225,715.00	109,513.63	256,424.00
OPEF	RATING OVERHEAD	1,605,913.00	2,264,364.00	1,698,273.00	2,579,835.00
	Professional Services Total:	1,855,809.65	2,490,079.00	1,807,786.63	2,836,259.00
OPEF	RATING TRANSFERS B/W TRA FUNDS	8,311.83	0.00	3.77	0.00
OPEF	RATING TRANSFERS B/W TRA FUNDS	0.00	0.00	0.00	10,000.00
OPEF	RATING TRANSFERS B/W TRA FUNDS	-8,311.83	0.00	-3.77	0.00
GRAN	NTS	109,765.00	0.00	18,955.88	115,000.00
INTER	REST INCOME	-11,853.49	0.00	22,667.16	0.00
AUTO	REIMBURSEMENTS	8,661.20	0.00	3,444.00	0.00
SALE	OF CAPITAL ASSETS	25.00	0.00	0.00	0.00
	Miscellaneous Income Total:	106,597.71	0.00	45,067.04	125,000.00
Bas 803001,	cal Services and in Planning - Revenue Grand Total: 803600, 803005, 1006, 803007	2,020,604.69	2,610,079.00	1,852,868.74	3,121,259.00

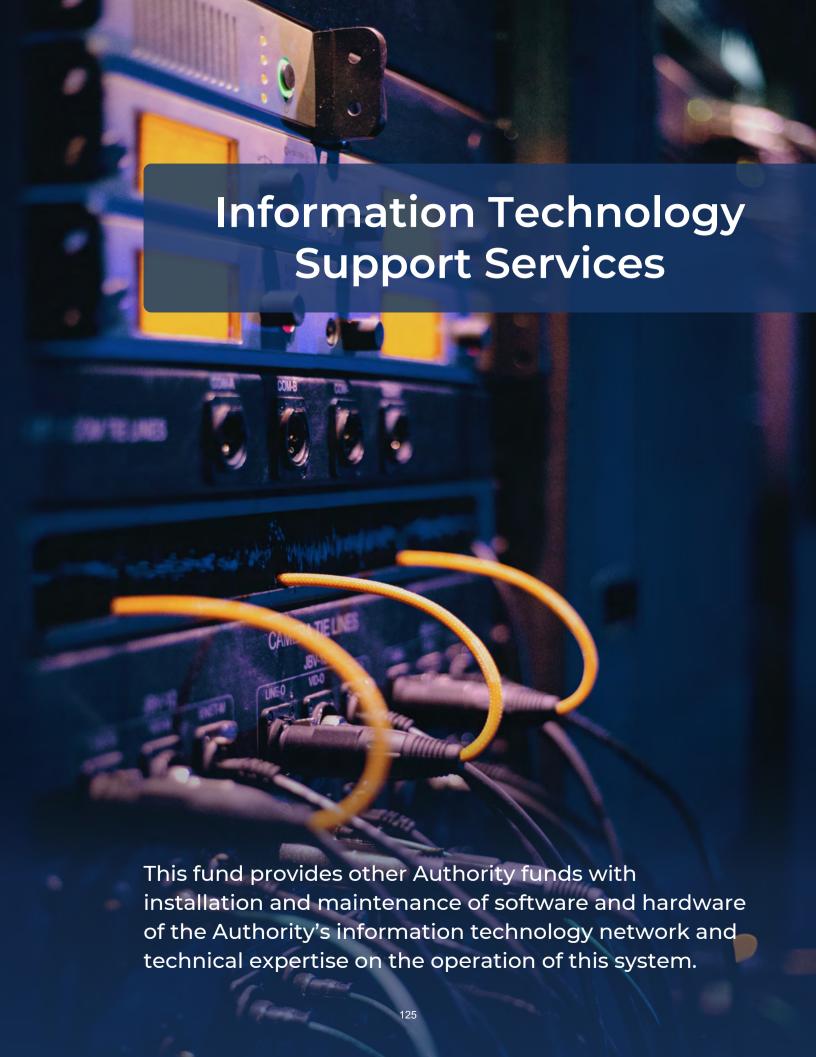
Trinity River Authority of Texas

Fiscal Year 2024 Budget

INTERNAL SERVICE FUNDS

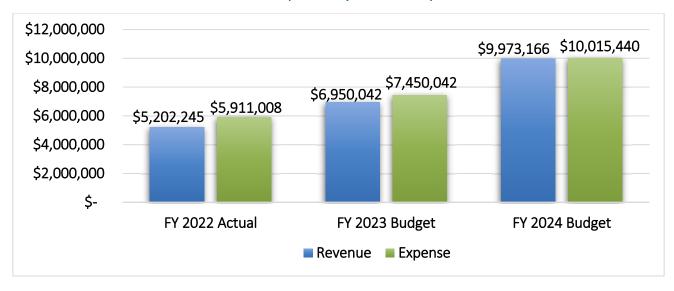
echnical Services and	l Basin Planning - 803001, 8030	600, 803005, 803006, 8	303007		
		<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> Budge
0&M Expense/Debt Service	ee				
SALARIES		1,128,945.57	1,331,117.00	578,935.68	1,462,299.00
PAYROLL TAXES-FICA		81,981.13	96,226.00	43,580.89	106,623.00
EMPLOYEE BENEFIT -	HEALTH/LIFE	200,328.56	204,175.00	102,120.24	236,063.0
EMPLOYEE BENEFIT -	PENSION	133,870.95	158,835.00	66,724.89	174,131.0
EMPLOYEE RECOGNIT	TION	7,965.00	11,180.00	9,340.00	10,055.0
EMPLOYEE BENEFIT -	EDUCATION	0.00	26,000.00	0.00	14,402.0
	Salaries and Benefits Total:	1,553,091.21	1,827,533.00	800,701.70	2,003,573.0
OFFICE SUPPLIES		26,289.13	2,000.00	3,083.12	4,240.0
DUES AND SUBSCRIP	TIONS	5,390.80	4,159.00	5,312.23	11,055.0
MAINT AND OPER SUF	PPLIES	88.73	0.00	0.00	0.0
LAB SUPPLIES		11,533.08	2,200.00	2,027.61	1,800.0
FUEL, OIL, AND LUBRI		9,651.49	9,450.00	4,037.68	7,150.0
COMPUTER MAINTEN		188,604.73	212,934.00	71,751.39	225,189.0
	Supplies Total:	241,557.96	230,743.00	86,212.03	249,434.0
OUTSIDE SERVICES		6,822.17	1,620.00	3,408.11	1,636.0
OTHER PROFESSIONA	AL SERVICES	0.00	0.00	0.00	50,000.0
OTHER PROFESSIONA	AL SERVICES - COMPACT	24,950.00	120,000.00	0.00	120,000.0
OTHER PROFESSIONA		236,317.51	249,805.00	240,374.17	397,244.0
INFORMATION TECHN		103,680.00	129,326.00	96,995.00	194,570.0
TELEPHONE AND TELI	EMETRY	-35.05	4,000.00	0.00	6,850.0
POSTAGE		0.00	650.00	387.50	5,000.0
INSURANCE		10,666.77	21,858.00	21,117.06 11,632.97	21,925.0
TRAVEL TRAINING		17,119.46 2,680.25	18,675.00 19,200.00	1,563.33	30,294.0 12,650.0
UTILITIES		1,105.68	6,300.00	3,424.68	5,400.0
REPAIRS AND MAINTE	NANCE-EOLIPMENT	123.60	2,000.00	180.93	0.0
REPAIRS AND MAINTE		0.00	0.00	0.00	1,000.0
REPAIRS AND MAINTE		3,692.23	4,000.00	1,063.14	4,000.0
RENT - BUILDINGS		45,901.00	49,687.00	49,687.00	57,072.0
RENT - MACHINERY &	EQUIPMENT	4,640.69	7,200.00	2,853.23	10,800.0
INTERFUND SERVICES	S AND CHARGES	9,231.60	15,130.00	1,806.68	23,800.0
	Services and Charges Total:	466,895.91	649,451.00	434,493.80	942,241.0
BUILDINGS		29,852.70	0.00	16,600.00	0.0
MACHINERY & EQUIPM	MENT	53,190.17	11,000.00	0.00	5,000.0
	Capital Outlays Total:	83,042.87	11,000.00	16,600.00	5,000.0
	O&M Expense Grand Total:	2,344,587.95	2,718,727.00	1,338,007.53	3,200,248.0
LEAGE DRIVING THE	VA ACTA IT	00.445.00	47.055.00	00.000.00	40.000
LEASE PRINCIPAL PAY	MENI	22,415.00	47,355.00 0.00	26,062.00 4 738 00	46,200.0 0.0
INTEREST ON LEASE	Debt Service Total:	4,535.00		4,738.00	
	Debt Service Total.	26,950.00	47,355.00	30,800.00	46,200.0
	Debt Service Grand Total:	26,950.00	47,355.00	30,800.00	46,200.0
Technical Services and Basin Planning - 803001, 803600, 803005, 803006, 803007	O&M Expense/Debt Service Grand Total:	2,371,537.95	2,766,082.00	1,368,807.53	3,246,448.0

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FY 2024 BUDGET SUMMARY

Revenue & Expense by Year Comparison



FY 2024 REVENUE BUDGET - SUMMARY

Revenue by Year

	FY 2022	FY 2023	FY 2024	%
	Actual	Budget	Budget	Change
ITSS Professional Services	\$ 5,206,870	\$ 6,950,042	\$ 9,973,166	43.50%
Interest & Misc. Income	(4,625)	-	-	0.00%
Total Revenue	\$ 5,202,245	\$ 6,950,042	\$ 9,973,166	43.50%

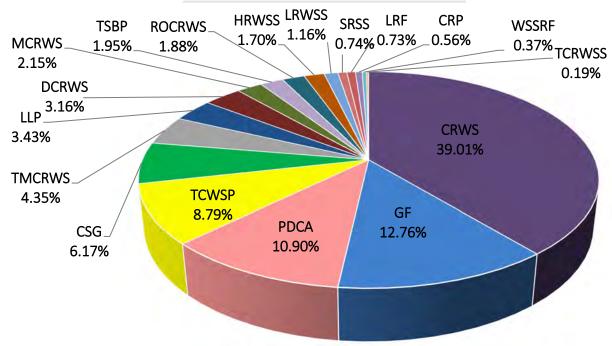
FY 2024 Revenue Categories



FY 2024 REVENUE BUDGET - SUMMARY (CONTINUED)

FY 2024 Professional Services Allocation

Fund	FY24 Budget
CRWS	\$ 3,891,075
GF	1,272,216
PDCA	1,087,356
TCWSP	876,846
CSG	615,795
TMCRWS	433,871
LLP	341,853
DCRWS	315,466
MCRWS	214,502
TSBP	194,570
ROCRWS	187,674
HRWSS	169,194
LRWSS	115,206
SRSS	74,162
LRF	73,036
CRP	55,652
WSSRF	36,481
TCRWSS	18,211
Total	\$9,973,166

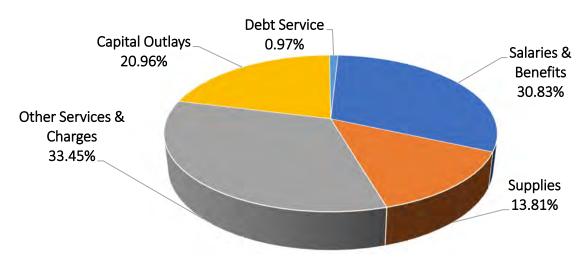


FY 2024 EXPENSE BUDGET - SUMMARY

Expense by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Salaries & Benefits	\$ 2,178,153	\$ 2,361,542	\$ 3,087,270	30.73%
Supplies	870,813	1,055,715	1,382,922	30.99%
Other Services & Charges	1,691,514	3,475,085	3,349,724	(3.61%)
Capital Outlays	1,130,652	557,700	2,098,864	276.34%
Debt Service	39,876	-	96,660	100.00%
Total Expense	\$ 5,911,008	\$ 7,450,042	\$ 10,015,440	34.43%

FY 2024 Expense Categories



BUDGET HIGHLIGHTS

Salaries & Benefits

- o Salaries, payroll taxes and pension expense are budgeted to increase for the addition of a full-time IT Systems & Applications Developer position to meet the demands for business intelligence and data analytics development for improved operational efficiency and decision making. Also, contributing to the increase are three positions were transferred from CRWS to ITSS: PCS Auto Analyst I, PCS Auto Analyst I II and IT Network Systems Architect.
- o Health insurance expense is projected to increase related to premium rates, employee selected coverage, and new employees.
- o Employee benefit-education is budgeted to increase for employees participating in the tuition reimbursement program.

BUDGET HIGHLIGHTS (CONTINUED)

Supplies Supplies

o Computer maintenance and supplies expense is budgeted to increase for the purchase of CRWS Laboratory Information Management System (LIMS) software, CRWS Supervisory Control and Data Acquisition (SCADA) software and security access control software for the Authority network.

Other Services & Charges

- o Other professional services expense is anticipated to decrease related ERP software and implementation costs expended in prior year.
- o Telephone and telemetry expense is budgeted to increase for TRA site radio tower costs, online security services and increased network circuit costs.
- o Rent-machinery and equipment expenses are anticipated to increase related to approved manager lease costs.

Capital Outlays

o Machinery and equipment capital expenses are budgeted to increase for the purchase of records, visitor, timekeeping and inventory management software, components and project costs for the LIMS, SCADA, timeclock and switch refreshes slated for completion during the fiscal year.

STAFFING SUMMARY

ITSS employs 22 full time employees responsible for the following areas: Administration, Security, Infrastructure, Governance, Systems and Applications and Help Desk. FY 2024 includes one new full-time position, IT Systems & Applications Developer, to improve the operational efficiency, manage data and maintain business analytics across multiple platforms. Three positions transferred from CRWS include: PCS Auto Analyst I, PCS Auto Analyst II and an IT Network Systems Architect.

	FY 2022	FY 2023	FY 2024	FY23-24
	Budget	Adj. Budget	Budget	Change
Full-time	18	18	22	4

FY 2024 FUND BALANCE

FY 2024 Ending Fund Balance Projection

Available Fund Balance, 11/30/22	\$ 1,244,617
FY23 Projected Fund Balance Use	(350,000)
FY24 Budgeted Fund Balance Use	(42,274)
Projected Ending Fund Balance, 11/30/24	\$ 852,343

An analysis of FY23 by management staff has determined that budgeted expenses related to the use of fund balance will not be expended. This adjustment to projected fund balance will provide ITSS with a balance of 1.02 months. During FY24, ITSS expenses will be evaluated to determine whether a transfer is necessary to provide sufficient operating reserves.

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Trinity River Authority of Texas

Fiscal Year 2024 Budget

INTERNAL SERVICE FUNDS

Information Technolog	gy Support Services - 804600				
		<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
Revenue					
INTERFUND SERVICE	ES & CHARGES	5,206,870.00	6,950,042.00	5,212,535.00	9,973,166.00
	Professional Services Total:	5,206,870.00	6,950,042.00	5,212,535.00	9,973,166.00
INTEREST INCOME		-12,528.33	0.00	4,165.64	0.00
SALE OF CAPITAL AS	SETS	7,903.75	0.00	2,721.00	0.00
	Miscellaneous Income Total:	-4,624.58	0.00	6,886.64	0.00
Information Technology Support Services - 804600	Revenue Grand Total:	5,202,245.42	6,950,042.00	5,219,421.64	9,973,166.00

Trinity River Authority of Texas

Fiscal Year 2024 Budget

INTERNAL SERVICE FUNDS

Information Technology	y Support Services - 804600				
O.		0000	2023	0000 VTDf	2004
		<u>2022</u> Actual	<u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> Budget
				<u> </u>	
O&M Expense/Debt Service	e				
SALARIES		1,593,519.68	1,743,057.00	948,063.72	2,240,066.00
PAYROLL TAXES-FICA		115,880.48	128,831.00	70,658.28	166,802.00
EMPLOYEE BENEFIT -	HEALTH/LIFE	269,620.22	274,407.00	155,642.87	374,292.00
EMPLOYEE BENEFIT -		191,260.78	208,757.00	109,647.54	265,587.00
EMPLOYEE RECOGNIT		7,872.17	6.490.00	6.490.00	9,475.00
EMPLOYEE BENEFIT -		0.00	0.00	0.00	31,048.00
	Salaries and Benefits Total:	2,178,153.33	2,361,542.00	1,290,502.41	3,087,270.00
OFFICE SUPPLIES		2,299.31	9,800.00	208.77	12,300.00
DUES AND SUBSCRIPT	TIONS	2,064.91	3,080.00	1,015.47	3,080.00
FEES O/T DUES AND S	UBSCRIPTIONS	-335.00	0.00	50.00	0.00
FUEL, OIL, AND LUBRI	CANTS	2,613.18	2,400.00	1,397.12	9,600.00
COMPUTER MAINTENA	ANCE AND SUPPLIES	864,170.93	1,040,435.00	676,418.05	1,357,942.00
	Supplies Total:	870,813.33	1,055,715.00	679,089.41	1,382,922.00
OUTSIDE SERVICES		4,900.28	6,500.00	636.81	6,500.00
OTHER PROFESSIONA	AL SERVICES	1,047,427.00	2,647,180.00	1,428,335.09	2,463,384.00
TELEPHONE AND TELE	EMETRY	450,458.23	528,837.00	274,642.13	544,656.00
PRINTING AND BINDIN	G	32,884.07	46,285.00	19,376.51	46,285.00
INSURANCE		11,723.54	27,400.00	26,777.46	35,263.00
TRAVEL		19,754.76	16,200.00	8,097.20	19,200.00
TRAINING		47,349.19	75,000.00	6,832.04	111,000.00
REPAIRS AND MAINTE	NANCE-EQUIPMENT	516.42	3,000.00	0.00	2,000.00
REPAIRS AND MAINTE	NANCE - VEHICLES	398.42	500.00	300.53	8,500.00
RENT - BUILDINGS		46,174.00	49,983.00	49,983.00	57,412.00
RENT - MACHINERY &		29,928.29	74,200.00	18,545.58	55,524.00
	Services and Charges Total:	1,691,514.20	3,475,085.00	1,833,526.35	3,349,724.00
MACHINERY & EQUIPN		1,130,651.43	557,700.00	409,196.70	2,098,864.00
	Capital Outlays Total:	1,130,651.43	557,700.00	409,196.70	2,098,864.00
	O&M Expense Grand Total:	5,871,132.29	7,450,042.00	4,212,314.87	9,918,780.00
LEASE PRINCIPAL PAY	MENT	35,873.00	0.00	45.219.00	92,025.00
INTEREST ON LEASE	··· ·	4,003.00	0.00	4,161.00	4,635.00
	Debt Service Total:	39,876.00	0.00	49,380.00	96,660.00
				.,	
	Debt Service Grand Total:	39,876.00	0.00	49,380.00	96,660.00
Information Technology Support Services - 804600	O&M Expense/Debt Service Grand Total:	5,911,008.29	7,450,042.00	4,261,694.87	10,015,440.00

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PLANNED CAPITAL IMPROVEMENT PROJECTS

PDCA staff anticipates performing construction, contract administration and inspection of 105 ongoing and new capital improvement projects in FY24 including:

	Central Regional Wastewater System (CRWS)	Estimated cost of projects active during FY24 (\$)
1	Chlorine and Sulfur Dioxide Containment Building	\$ 72,539,443
2	Nutrient Improvements - Post Aerobic Digestion	67,374,331
3	Elm Fork Interceptor Rehab & Replacement, Phase 2A, CAC-8A	64,300,000
4	Bear Creek Interceptor Relief Phase 1	58,718,271
5	CRWS Feed 2	31,779,947
6	Stage IX Odor Control Improvements	27,600,000
7	Headworks B Fine Screen Improvements	22,600,000
8	Fuel Utilization Improvements	21,200,000
9	Elm Fork Interceptor Rehab, (CAC-8A) Phase 1A (Package 1)	20,220,000
10	CRWS On-site Storage Basin & Equalization Basin Improvement	19,594,599
11	Mountain Creek Segments 09MC-1 & 30MC-2	18,661,865
12	Lift Station LS_7M Improvements	17,226,818
13	Phase IIIB Solids Improvements	13,944,179
14	MS3_0M & 16MC-SIPH	13,521,731
15	Railway Improvements to Containment Building	10,860,000
16	Junction Box JB1020J Replacement and Improvements	8,897,633
17	Bear Creek Interceptor, Segment 09BC-1 Phase 2	6,880,821
18	Bear Creek Interceptor Relief, Phase 2 (Upstream)	6,000,000
19	Analytical Laboratory Services Complex	5,971,400
20	Elm Fork Interceptor Rehab, (CAC-8A) Phase 1 & 2	5,967,800
21	Warehouse No. 4 Improvements	5,299,125
22	Biosolids Rail & Transload Improvements	4,888,810
23	Phase VII Rehabilitation	4,000,000
24	Phase VII Infiltration & Inflow Assessment, Phase 1 & 2	4,000,000
25	30MC-1	3,787,525
26	Little Bear Creek Interceptor, Segments BC_10, BC_15, BC_16	3,300,000
27	Alternate Access and Singleton Road Improvements	3,000,000
28	Meter Station Rehab Group 2	2,922,243
29	Phase III Solids Improvements	2,609,818
30	Elm Fork Interceptor Rehab & Replacement, Phase 3B, CAC-8B	2,600,000
31	Erosion Site Rehabilitation, Phase 1	2,500,000
32	Collection System - Condition Assessment	2,000,000
33	Meter Station Rehab Group 2 (11_0W)	1,600,000
34	CRWS Linear Storage Feasibility Study	1,600,000
35	MS1_1E	1,355,000
36	MS Group 1 - MS10_0B Rebid	1,086,058
37	Elm Fork Interceptor Relief, 2705E-1530E (CAC-9)	1,000,000

PLANNED CAPITAL IMPROVEMENT PROJECTS (CONTINUED)

	Central Regional Wastewater System (CRWS) - continued	Estimated cost of projects active during FY24 (\$)
38	Meter Station Rehab Group 5 (3_0E, 12_9B, 17_0W, 09WF-18)	1,000,000
39	Meter Station Rehab Group 3 (11_0E, MS8_0B, MS7_0B)	900,000
40	Meter Station Rehab Group 4 (2_0M, 9_0J, 7_0J)	900,000
41	Elm Fork Interceptor Rehab & Replacement, Phase 3A, CAC-8B	800,000
42	Meter Station Rehab Group 1	520,272
43	CRWS A Roadway Improvements	500,000
44	Natural Gas Supply and Biogas Storage	365,425
45	Elm Fork Interceptor Rehab, (CAC-7, 8A, 8B)	243,552
46	CRWS Erosion Site Rehab, Phase 1	204,789
	CRWS Total	566,841,455
	Ten Mile Creek Regional Wastewater System (TMCRWS)	
47	11-40TM-2 Ph 1	17,600,000
48	TM-1 Relief Interceptor, Phase 1A	16,463,741
49	Plant Rehabilitation A	9,993,569
50	20-40TM-1	6,500,000
51	TMCRWS Erosion Site Rehabilitation, Phase 1	4,475,283
52	Effluent Outfall Relocation	3,902,193
53	TM-1 Relief Interceptor, Phase 2A	3,295,472
54	Meter Station Rehabilitation (MS_BB, MS_CH, MS_SB)	3,156,000
55	11-40TM-2 Ph 2	3,000,000
56	TM-1 Relief Interceptor, Phase 2B	2,660,271
57	Meter Station Rehabilitation (MS_FER)	2,604,628
58	Master Plan	1,480,926
59	Coarse Screens	1,300,000
60	11-40TM-3	1,300,000
61	Corrosion Management Plan - Pipeline	1,289,347
62	TMCRWS Erosion Site Rehabilitation, Phase 2	1,100,000
63	Utility Protection Services Upgrades	500,000
64	Digester Rehabilitation	500,000
	TMCRWS Total	81,121,430
	Denton Creek Regional Wastewater System (DCRWS)	
65	Plant Expansion to 16.5 MGD	151,393,536
66	Peak Flow Storage and Plant Rehabilitation	64,278,473
67	15CB-1 Cade Branch LS, East Leg Interceptor, and Force Main Improvements	25,029,213
68	Denton Creek Pressure System Force Main and Kirkwood Lift Station Improvements	22,739,461
69	25HC-3	20,498,427
70	25HC-3 25HC-4/25HC-5	19,018,716
71	MS 8_0HC, MS 8_5HC, MS9_0HC Rehabilitation, Phase 1	4,922,112
, T	IND O_OITC, IND O_DITC, INDU_UITC NEHABIIILALIOH, PHASE I	4,922,112

PLANNED CAPITAL IMPROVEMENT PROJECTS (CONTINUED)

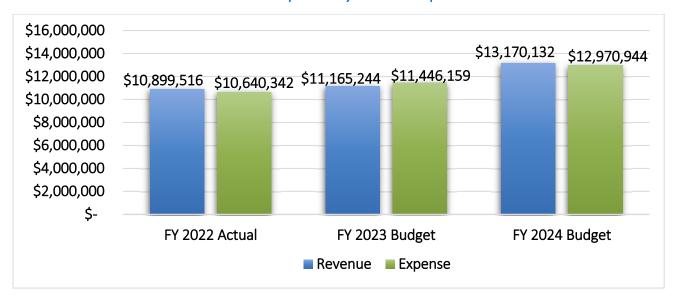
	Denton Creek Regional Wastewater System (DCRWS) - continued	Estimated cos active du	st of projects ring FY24 (\$)
72	Biosolids and Dewatering Improvements	\$	4,900,000
73	ARV Replacement, Phase 2		3,500,000
74	Emergency Power System		3,100,000
75	Odor Control Improvements, Phase 3		2,559,433
76	Utility Protection Services Upgrades		500,000
77	Advanced Secondary System Improvements		500,000
	DCRWS Total		322,939,371
	Red Oak Creek Regional Wastewater System (ROCRWS)		
78	Peak Flow Storage and SD Improvements	\$	16,378,433
79	Red Oak Creek Relief Interceptor, Segment RO-3		13,748,492
80	Red Oak Creek Interceptor Rehabilitation, Segments 40RO-2, RO-3.5 & RO-4		7,732,412
81	Red Oak Creek Relief Interceptor Rehabilitation, Segment 40RO-1, Phase 2		6,364,207
82	Plant Expansion from 6.0 to 9.0 MGD		4,000,000
83	Master Plan		1,286,741
84	Emergency Power System		1,200,000
85	Utility Protection Services Upgrades		500,000
	ROCRWS Total		51,210,285
	Mountain Creek Regional Wastewater System (MCRWS)		
86	Plant Expansion 3.0 MGD to 9.0 MGD	\$	3,290,850
87	Plant Expansion from 4.5 to 6.0 MGD		55,511,749
88	Soap Creek Interceptor Extension		33,070,779
89	Infiltration & Inflow Assessment, Phase II		872,171
	MCRWS Total		92,745,549
	Tarrant County Water Supply Project (TCWSP)		
90	Murphy Drive Pump & Electrical Improvements	\$	60,900,000
91	Filter Media Replacement		34,073,330
92	Clariflocculator Improvements		18,920,000
93	Raw Water Transmission Improvements - Phase 1		6,837,138
94	Fourth Ozone Generator and Transfer Pump Station No. 1 Upgrades		5,321,639
95	Distribution System - Operation and Service Assessment		2,500,000
96	Distribution System - Condition Assessment		2,000,000
97	High Service Pump Station Replacement		1,700,000

PLANNED CAPITAL IMPROVEMENT PROJECTS (CONTINUED)

		Estimated cost of projects		
	Tarrant County Water Supply Project (TCWSP)-continued	active during FY24 (\$)		
98	24-inch Euless North & Grapevine East Water Line (Cheek-Sparger Fork)	\$ 1,600,000		
99	Murphy Drive Pump Station 2400V Switchgear	1,412,415		
100	Utility Protection Services Upgrades	1,000,000		
101	Process Control System Upgrade, Phase 1	900,000		
	TCWSP Total	137,164,522		
	Walker-Calloway Branches (WCB)			
102	Walker-Calloway Phase 2 & 3	\$ 3,128,296		
103	Walker-Calloway Phase 4	6,418,929		
	WCB Total	9,547,225		
	Lake Livingston Project (LLP)			
104	Lake Livingston Dam Spillway Gate Repair and Coating	\$ 4,867,711		
	LLP Total	4,867,711		
	CRWS Elm Fork Reuse Project			
	(Dallas County Utility and Reclamation District-DCURD)			
105	DCURD 30-inch Reuse Water Line Replacement	\$ 7,742,729		
	CRWS (DCURD) Total	7,742,729		
	Grand Total	\$ 1,274,180,277		

FY 2024 BUDGET SUMMARY

Revenue & Expense by Year Comparison

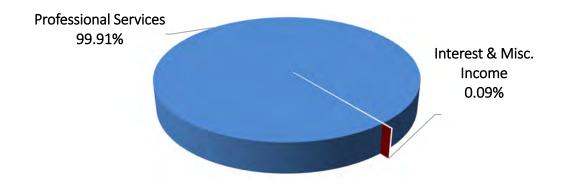


FY 2024 REVENUE BUDGET - SUMMARY

Revenue by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Professional Services	\$ 10,874,533	\$ 11,165,244	\$ 13,158,132	17.85%
Operating Transfers-TRA Funds	31,000	-	-	0.00%
Interest & Misc. Income	(6,017)	-	12,000	100.00%
Total Revenue	\$ 10,899,516	\$ 11,165,244	\$ 13,170,132	17.96%

FY 2024 Revenue Categories

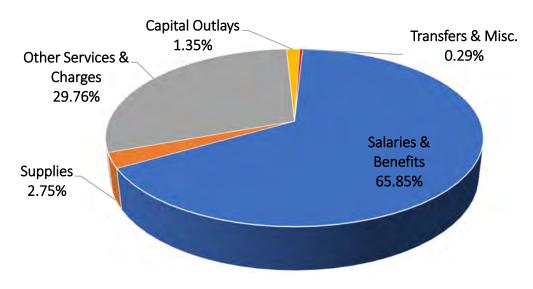


FY 2024 EXPENSE BUDGET - SUMMARY

Expense by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Salaries & Benefits	\$ 7,274,766	\$ 7,881,096	\$ 8,541,463	8.38%
Supplies	139,447	166,312	356,282	114.23%
Other Services & Charges	2,911,090	3,317,471	3,859,569	16.34%
Capital Outlays	276,479	42,650	175,000	310.32%
Transfers & Misc.	38,560	38,630	38,630	0.00%
Total Expense	\$ 10,640,342	\$ 11,446,159	\$ 12,970,944	13.32%

FY 2024 Expense Categories



BUDGET HIGHLIGHTS

Salaries & Benefits

- O Salaries expense is budgeted to increase with the addition of one full-time Construction Inspector I to meet the increasing demands for on-site inspections of projects in the capital improvement plan. The budget reflects merit increases for skilled staff and a budget increase for staff that will meet the Rule of 80 during the year based upon the Authority's Salary Administration Plan.
- o Health insurance expense is projected to increase for premium rates and additional employee coverage.

BUDGET HIGHLIGHTS (CONTINUED)

Supplies Supplies

- o Dues and subscription expense is budgeted to increase for additional staff professional memberships, licenses and certifications.
- o Maintenance and operating supplies expenses are anticipated to increase with the purchase of supplies used in conducting in-house material testing. Controllable maintenance and operating supplies expenses will increase for the replacement of discontinued air monitors and emergency light kits on inspection vehicles.
- o Fuel, oil and lubricant expense is anticipated to increase with the addition of four inspector vehicles.

Other Services & Charges

- o Communications expense is budgeted to increase as a result of additional required public bid notices for upcoming construction projects.
- o Travel expense is budgeted to decrease for professional training and certifications occurring online or within the metroplex.
- o Auto allowance expense is budgeted to increase based upon the Board approved rate increase from \$250 to \$375 per month for approved positions.
- o Repair and maintenance-vehicles is anticipated to increase with additional assigned vehicle services to perform during the year.
- o The budget includes increases related to allocated internal service costs for information technology services, technical services and basin planning, and administrative overhead.

Capital Outlays

o Machinery and equipment capital expenses is anticipated to increase for the purchase of four trucks for inspection services and one replacement sport utility vehicle (SUV) for construction management services.

STAFFING SUMMARY

PDCA employs 58 full time employees for the following areas of responsibility: Administration, Engineering Services, Construction Division and Planning. One new full-time Construction Inspector I position is included in the FY 2024 budget.

	FY 2022	FY 2023	FY 2024	FY23-24
	Budget	Adj. Budget	Budget	Change
Full-time	57	57	58	1

FY 2024 FUND BALANCE

FY 2024 Ending Fund Balance Projection

Projected Ending Fund Balance, 11/30/24	\$1,528,005
FY24 Budgeted Fund Balance Increase	199,188
FY23 Budgeted Fund Balance Use	(280,915)
Available Fund Balance, 11/30/22	\$1,609,732

The FY24 Budget projects revenue billed for capital projects' design and construction services will exceed planned expenses to increase fund balance. Expenses and revenue are monitored during the year to remain in budget or determine if an adjustment is required to preserve fund balance.

Fiscal Year 2024 Budget

Planning, Design and Co	nstruction Administration -	805600			
		<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
Revenue					
PROFESSIONAL FEES		10,874,532.57	11,165,244.00	5,984,928.24	13,158,132.00
Р	rofessional Services Total:	10,874,532.57	11,165,244.00	5,984,928.24	13,158,132.00
OPERATING TRANSFERS	S B/W TRA FUNDS	31,000.00	0.00	0.00	0.00
INTEREST INCOME		-6,767.18	0.00	38,627.48	12,000.00
SALE OF CAPITAL ASSET	TS	709.98	0.00	0.00	0.00
MISCELLANEOUS INCOM	ME	40.00	0.00	0.00	0.00
M	iscellaneous Income Total:	24,982.80	0.00	38,627.48	12,000.00
Planning, Design and					
Construction	Revenue Grand Total:	10,899,515.37	11,165,244.00	6,023,555.72	13,170,132.00
Administration - 805600					

Fiscal Year 2024 Budget

	<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>20:</u> <u>Budg</u>
M Expense/Debt Service				
SALARIES	5,324,912.37	5,778,543.00	3,136,112.69	6,224,081.0
PAYROLL TAXES-FICA	383,319.65	417,204.00	235,201.54	453,561.0
EMPLOYEE BENEFIT - HEALTH/LIFE	983,953.75	998,353.00	570,620.00	1,136,536.
EMPLOYEE BENEFIT - PENSION	551,815.58	640,719.00	320,795.88	690,508.
UNEMPLOYMENT COMPENSATION	0.00	1,662.00	0.00	1,662.
EMPLOYEE RECOGNITION	30,765.00	37,415.00	32,580.00	35,115.
EMPLOYEE BENEFIT - EDUCATION	0.00	7,200.00	0.00	0.
Salaries and Benefits Total:	7,274,766.35	7,881,096.00	4,295,310.11	8,541,463.
OFFICE SUPPLIES	26,791.91	38,700.00	11,899.74	38,405
DUES AND SUBSCRIPTIONS	17,620.72	20,229.00	6,217.14	32,124
MAINT AND OPER SUPPLIES	13,281.05	33,775.00	19,889.06	138,695
FUEL, OIL, AND LUBRICANTS	18,601.39	12,900.00	13,378.96	90,750
COMPUTER MAINTENANCE AND SUPPLIES	63,151.45	60,708.00	57,166.55	56,308
Supplies Total:	139,446.52	166,312.00	108,551.45	356,282
OUTSIDE SERVICES	61,258.45	40,700.00	44,654.58	44,640
OTHER PROFESSIONAL SERVICES	9,836.71	12,381.00	5,305.60	15,247
COMMUNICATIONS	7,265.32	15,000.00	998.68	30,000
INFORMATION TECHNOLOGY SERVICES	698,430.00	899,162.00	674,372.00	1,087,356
TECHNICAL SERVICES AND BASIN PLANNING	84,603.00	91,505.00	68,630.00	108,820
TELEPHONE AND TELEMETRY	1,407.65	0.00	0.00	0
POSTAGE	0.00	150.00	24.58	150
PRINTING AND BINDING	492.99	2,000.00	329.24	5,000
INSURANCE	154,317.00	120,826.00	120,059.33	123,521
TRAVEL	81,515.95	98,865.00	52,889.90	74,652
TRAINING	56,436.17	43,550.00	32,693.18	51,605
AUTO ALLOWANCES	69,689.52	72,000.00	47,063.30	103,500
REPAIRS AND MAINTENANCE-EQUIPMENT	11,608.92	21,000.00	820.54	24,000
REPAIRS AND MAINTENANCE - VEHICLES	11,781.79	2,500.00	2,241.10	20,000
RENT - BUILDINGS	71,856.00	77,784.00	77,784.00	89,345
RENT - MACHINERY & EQUIPMENT	4,280.67	8,808.00	3,769.87	14,193
ADMINISTRATIVE OVERHEAD	1,586,310.00	1,811,240.00	1,811,240.00	2,067,540
Services and Charges Total:	2,911,090.14	3,317,471.00	2,942,875.90	3,859,569
MACHINERY & EQUIPMENT	276,479.32	42,650.00	51,665.00	175,000
Capital Outlays Total:	276,479.32	42,650.00	51,665.00	175,000
TRANSFER TO(FROM) OTHER TRA FUNDS	38,560.00	38,630.00	38,630.00	38,630
Transfers & Misc Total:	38,560.00	38,630.00	38,630.00	38,630.
Planning, Design and Construction O&M Expense/Debt Service dministration - 805600 Grand Total:	10,640,342.33	11,446,159.00	7,437,032.46	12,970,944.

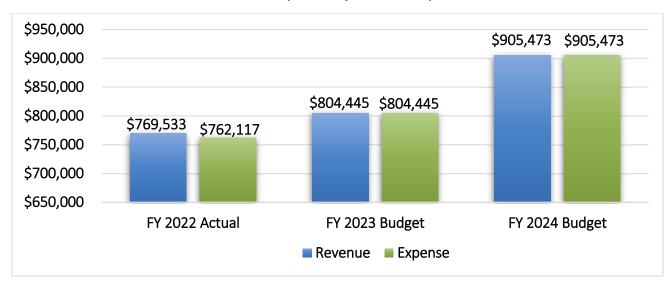
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This fund provides centralized accounting, administrative and maintenance services for Huntsville Regional Water Supply System, Livingston Regional Water Supply System, and Trinity County Regional Water Supply System.

FY 2024 BUDGET SUMMARY





FY 2024 REVENUE BUDGET - SUMMARY

Revenue by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
SRSS Operating Overhead	\$ 771,584	\$ 804,445	\$ 905,473	12.56%
Interest & Misc. Income	(2,051)	-	-	0.00%
Total Revenue	\$ 769,533	\$ 804,445	\$ 905,473	12.56%

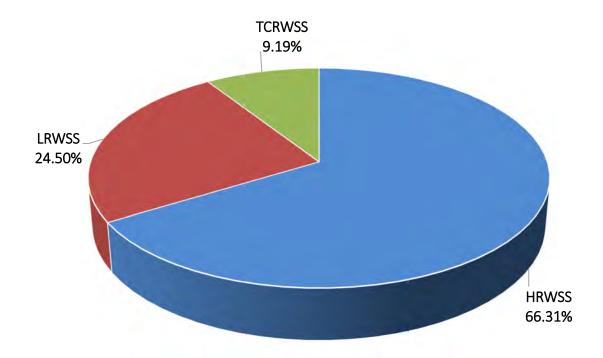
FY 2024 Revenue Categories



FY 2024 REVENUE BUDGET - SUMMARY (CONTINUED)

FY 2024 SRSS Operating Overhead Revenue Allocation

Fund		FY24 Budget
HRWSS		\$600,381
LRWSS		221,866
TCRWSS		83,226
	Total	\$905,473

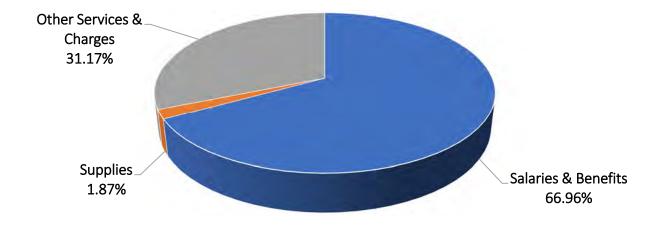


FY 2024 EXPENSE BUDGET - SUMMARY

Expense by Year

	FY 2022 Actual	-	Y 2023 Budget	F	Y 2024 Budget	% Change
Salaries & Benefits	\$ 526,107	\$	567,736	\$	606,314	6.80%
Supplies	15,597		18,060		16,971	(6.03%)
Other Services & Charges	193,676		218,649		282,188	29.06%
Capital Outlays	26,737		-		-	0.00%
Total Expense	\$ 762,117	\$	804,445	\$	905,473	12.56%

FY 2024 Expense Categories



BUDGET HIGHLIGHTS

Salaries & Benefits

- o Health insurance expense is projected to increase related to premium rates.
- o Employee benefit-education is budgeted to increase resulting from employees utilizing the Authority's tuition reimbursement program to further their education.

Supplies Supplies

o Fuel, oil and lubricants expense is anticipated to decrease based upon projected usage.

BUDGET HIGHLIGHTS (CONTINUED)

Other Services & Charges

o Allocated service costs related to information technology, technical services and basin planning and administrative overhead are budgeted to increase as a result of expenses in those internal service funds.

Capital Outlays

o No capital outlay expenses are budgeted for the year.

STAFFING SUMMARY

SRSS employs 5 full-time employees in the following areas of responsibility: Administration, Operations, and Maintenance. No new positions are requested in the FY 2024 budget.

	FY 2022	FY 2023	FY 2024	FY23-24
	Budget	Budget	Budget	Change
Full-time	5	5	5	-

FY 2024 FUND BALANCE

FY 2024 Ending Fund Balance Projection

Available Fund Balance, 11/30/22	\$ 250,813
FY23 Budgeted Fund Balance Use	(0)
FY24 Budgeted Fund Balance Use	(0)
Projected Ending Fund Balance, 11/30/24	\$ 250,813

For the FY24 Budget, SRSS has no plans to use of fund balance as it has allocated total expenses to the three Southern Region operating funds (HRWSS, LRWSS and TCRWSS). The projected fund balance continues to provide SRSS with an excess of two months operating expense in reserve.

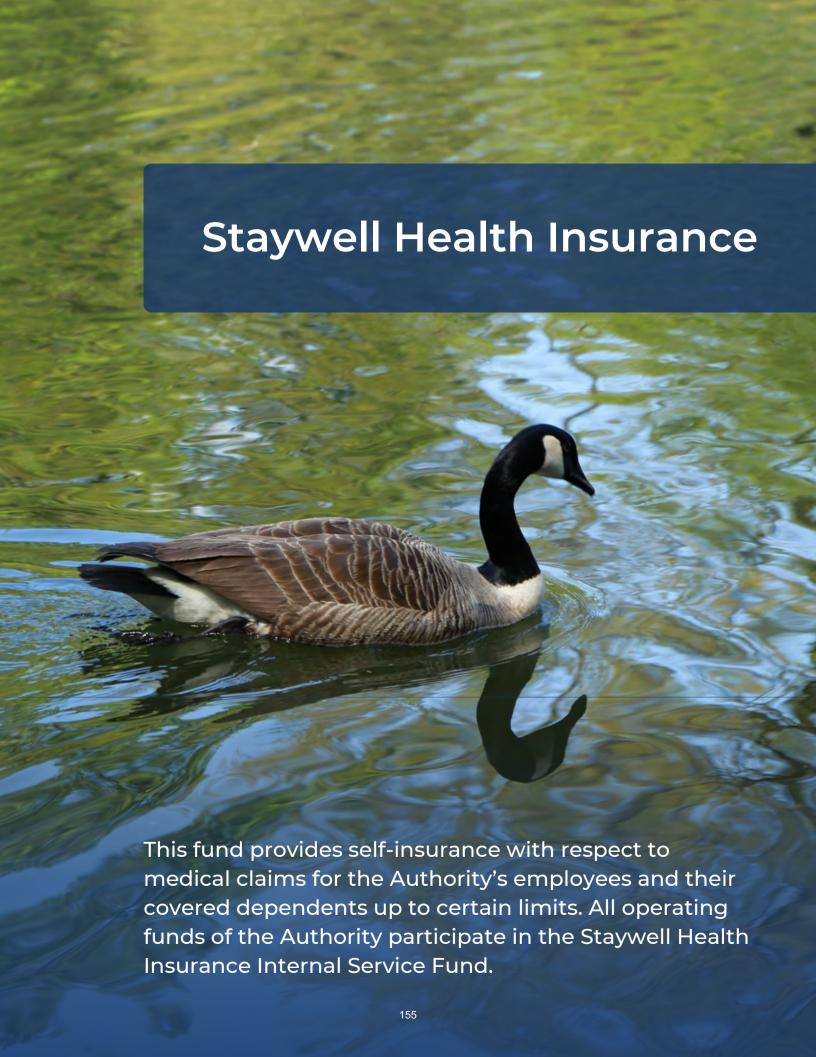
Fiscal Year 2024 Budget

Southern Region Support Services - 806600				
	<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
Revenue				
OPERATING OVERHEAD	771,584.00	804,445.00	804,445.00	905,473.00
Professional Services Total:	771,584.00	804,445.00	804,445.00	905,473.00
INTEREST INCOME	-2,050.88	0.00	6,922.67	0.00
SALE OF CAPITAL ASSETS	0.00	0.00	32,097.50	0.00
Miscellaneous Income Total:	-2,050.88	0.00	39,020.17	0.00
Southern Region Support Services - Revenue Grand Total: 806600	769,533.12	804,445.00	843,465.17	905,473.00

Fiscal Year 2024 Budget

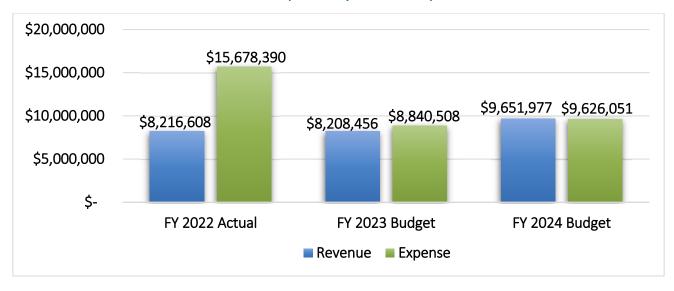
Southern Region Support Services - 806600				
	<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
O&M Expense/Debt Service				
SALARIES	370,908.49	395,661.00	282,683.52	402,358.00
PAYROLL TAXES-FICA	28,960.38	39,268.00	22,312.03	30,780.00
EMPLOYEE BENEFIT - HEALTH/LIFE	73,388.03	83,609.00	44,860.30	109,613.00
EMPLOYEE BENEFIT - PENSION	44,784.76	47,043.00	24,333.49	48,163.00
EMPLOYEE RECOGNITION	8,065.00	11,155.00	10,570.00	5,400.00
EMPLOYEE BENEFIT - EDUCATION	0.00	0.00	0.00	10,000.00
Salaries and Benefits Total:	526,106.66	567,736.00	384,759.34	606,314.00
	,	,	,	,
OFFICE SUPPLIES	1,022.92	2,500.00	2,606.01	2,500.00
DUES AND SUBSCRIPTIONS	582.45	560.00	358.39	560.00
FEES O/T DUES AND SUBSCRIPTIONS	389.26	0.00	65.00	111.00
MAINT AND OPER SUPPLIES	136.29	500.00	0.00	500.00
FUEL, OIL, AND LUBRICANTS	13,465.80	14,000.00	2,038.85	12,800.00
COMPUTER MAINTENANCE AND SUPPLIES	0.00	500.00	0.00	500.00
Supplies Total:	15,596.72	18,060.00	5,068.25	16,971.00
OUTSIDE SERVICES	615.85	400.00	359.33	400.00
OTHER PROFESSIONAL SERVICES	1,095.72	1,245.00	225.00	1,245.00
INFORMATION TECHNOLOGY SERVICES	29,850.00	36,939.00	28,810.20	74,162.00
TECHNICAL SERVICES AND BASIN PLANNING	16,891.00	18,843.00	14,133.00	24,951.00
TELEPHONE AND TELEMETRY	2,973.01	0.00	1,050.00	1,800.00
POSTAGE	9.96	785.00	0.00	785.00
PRINTING AND BINDING	0.00	100.00	54.23	100.00
INSURANCE	12,248.00	12,002.00	12,002.00	12,366.00
TRAVEL	2,157.64	1,000.00	535.43	1,600.00
LAUNDRY, UNIF, AND IND. EQUIPMENT	282.89	500.00	50.00	525.00
TRAINING	1,030.00	3,165.00	395.00	2,865.00
REPAIRS AND MAINTENANCE - PLANT	6.39	0.00	0.00	0.00
REPAIRS AND MAINTENANCE - VEHICLES	3,337.77	3,600.00	678.63	3,600.00
RENT - BUILDINGS	10,929.00	11,830.00	11,830.00	13,589.00
ADMINISTRATIVE OVERHEAD	112,250.00	128,240.00	128,240.00	144,200.00
Services and Charges Total:	193,677.23	218,649.00	198,362.82	282,188.00
MACHINERY & EQUIPMENT	26,736.50	0.00	0.00	0.00
Capital Outlays Total:	26,736.50	0.00	0.00	0.00
Southern Region				
Support Services - O&M Expense/Debt Service 806600 Grand Total:	762,117.11	804,445.00	588,190.41	905,473.00

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FY 2024 BUDGET SUMMARY

Revenue & Expense by Year Comparison

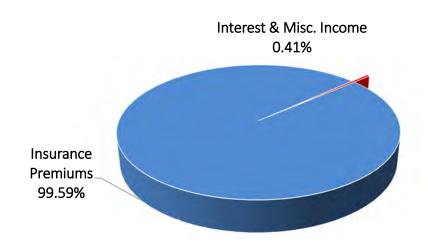


FY 2024 REVENUE BUDGET - SUMMARY

Revenue by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Insurance Premiums	\$ 8,226,059	\$ 8,208,456	\$ 9,611,977	17.10%
Interest & Misc. Income	(9,451)	-	40,000	100.00%
Total Revenue	\$ 8,216,608	\$ 8,208,456	\$ 9,651,977	17.59%

FY 2024 Revenue Categories



FY 2024 REVENUE BUDGET - SUMMARY (CONTINUED)

FY 2024 Insurance Premiums

Premiums – TRA Paid	FY24 Budget
Health Insurance Premiums	\$ 8,571,883
Retiree Health Insurance Premiums	227,244
Wellness Program	124,001
TRA Paid Total	\$ 8,923,128
Premiums – Employee/Retiree Paid	
Dependent Health Insurance Premiums	654,150
Retiree Health Insurance Premiums	34,699
Employee/Retiree Paid Total	\$ 688,849
Insurance Premium Grand Total	\$ 9,611,977

FY 2024 Health Insurance Premium Revenue Allocation

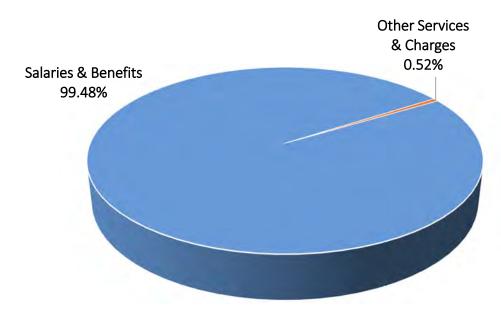
Fund	Employee Health	Retiree Health	Wellness	FY24 Budget
CRWS	\$ 2,728,586	\$ 53,920	\$ 43,021	\$ 2,825,527
GF	1,105,324	67,725	14,318	1,187,367
PDCA	1,080,324	8,023	14,813	1,103,160
TCWSP	525,671	20,057	7,479	553,207
CSG	514,190	-	7,389	521,579
LLP	472,576	25,840	6,930	505,346
TMCRWS	426,465	13,806	6,000	446,271
ITSS	357,733	-	3,935	361,668
DCRWS	248,648	-	3,860	252,508
TSBP	223,564	-	3,860	227,424
MCRWS	169,881	-	2,051	171,932
ROCRWS	155,314	4,011	2,051	161,376
HRWSS	148,292	-	2,310	150,602
LRF	117,419	4,011	1,574	123,004
LRWSS	101,844	8,023	1,524	111,391
SRSS	89,935	16,045	1,312	107,292
TCRWSS	70,879	5,783	1,049	77,711
WSSR	35,238	-	525	35,763
Total	\$ 8,571,883	\$ 227,244	\$ 124,001	\$ 8,923,128

FY 2024 EXPENSE BUDGET - SUMMARY

Expense by Year

	FY 2022	FY 2023	FY 2024	%
	Actual	Budget	Budget	Change
Salaries & Benefits	\$ 15,678,390	\$ 8,699,508	\$ 9,576,051	10.08%
Other Services & Charges	-	141,000	50,000	(64.54%)
Total Expense	\$ 15,678,390	\$ 8,840,508	\$ 9,626,051	8.89%

FY 2024 Expense Categories



BUDGET HIGHLIGHTS

Salaries & Benefits

o Employee benefit-health/life expense is budgeted to increase for anticipated stop loss renewal costs, retiree insurance administration expenses and employee insurance claims.

Other Services & Charges

o Other professional services expense is budgeted to decrease based upon contractual services provided by the Authority benefit services consultant.

STAFFING SUMMARY

Staywell Health Insurance internal service fund does not have employees.

FY 2024 FUND BALANCE

FY 2024 Ending Fund Balance Projection

	Claims Reserve	OPEB Liability	Total
Available Fund Balance, 11/30/22	\$ 5,549,783	(\$ 7,588,326)	(\$2,038,543)
FY23 Projected Fund Balance (Use)	(1,232,052)	0	(1,232,052)
FY24 Budgeted Fund Balance Increase	25,926	0	25,926
Projected Ending Fund Balance, 11/30/24	\$ 4,343,657	(\$7,588,326)	(\$3,244,669)
Months of Operating Expenses	5.41		

For the FY24 Budget, the Staywell Health Insurance Fund budgeted to increase the Claims Reserve by \$25,926 and insurance premiums collected from the Authority's operating funds will also increase based upon projected claim expense increases. The projected Claims Reserve balance will provide Staywell with an excess of five months operating expense in reserve for unanticipated medical claims that could be experienced during the year. The OPEB Liability will be reevaluated by an actuary based upon additional health retirement benefit experience.

Fiscal Year 2024 Budget

Staywell Health Insura	ance - 807600, 807900				
		<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
Revenue					
EXTERNAL INSURAN	CE PREMIUMS	17,419.13	28,916.00	19,508.30	34,699.00
INSURANCE PREMIU	MS	8,208,640.25	8,179,540.00	4,619,174.62	9,577,278.00
	Insurance Premiums Total:	8,226,059.38	8,208,456.00	4,638,682.92	9,611,977.00
INTEREST INCOME		-45,741.98	0.00	149,007.78	40,000.00
MISCELLANEOUS INC	COME	36,290.65	0.00	48,058.79	0.00
	Miscellaneous Income Total:	-9,451.33	0.00	197,066.57	40,000.00
Staywell Health Insurance - 807600, 807900	Revenue Grand Total:	8,216,608.05	8,208,456.00	4,835,749.49	9,651,977.00

Fiscal Year 2024 Budget

				nce - 807600, 807900	Staywell Health Insura
<u>2024</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2023</u> <u>Budget</u>	<u>2022</u> <u>Actual</u>		
				ce	O&M Expense/Debt Servi
9,576,051.00	4,693,771.05	8,699,508.00	8,097,753.10	- HEALTH/LIFE	EMPLOYEE BENEFIT
0.00	0.00	0.00	7,580,637.00	- HEALTH/LIFE - Contingency	EMPLOYEE BENEFIT
9,576,051.00	4,693,771.05	8,699,508.00	15,678,390.10	Salaries and Benefits Total:	
50,000.00	29,166.69	141,000.00	0.00	IAL SERVICES	OTHER PROFESSION
50,000.00	29,166.69	141,000.00	0.00	Services and Charges Total:	
9,626,051.00	4,722,937.74	8,840,508.00	15,678,390.10	O&M Expense/Debt Service Grand Total:	Staywell Health Insurance - 807600, 807900

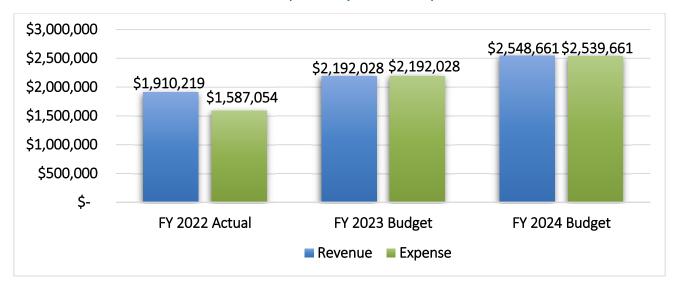
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This fund provides risk retention programs for property casualty insurance, general liability insurance, directors and officers liability insurance, and automobile liability insurance, cyber liability insurance, workers compensation insurance, compliance training and risk management services for the Authority.

FY 2024 BUDGET SUMMARY



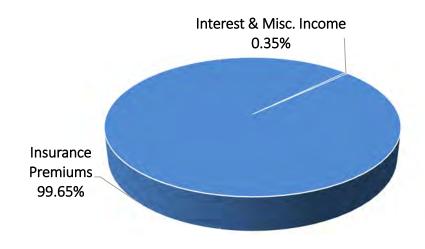


FY 2024 REVENUE BUDGET - SUMMARY

Revenue by Year

	FY 2022	FY 2023	FY 2024	%
	Actual	Budget	Budget	Change
Insurance Premiums	\$ 1,926,516	\$ 2,192,028	\$ 2,539,661	15.86%
Interest & Misc. Income	(16,297)	-	9,000	100.00%
Total Revenue	\$ 1,910,219	\$ 2,192,028	\$ 2,548,661	16.27%

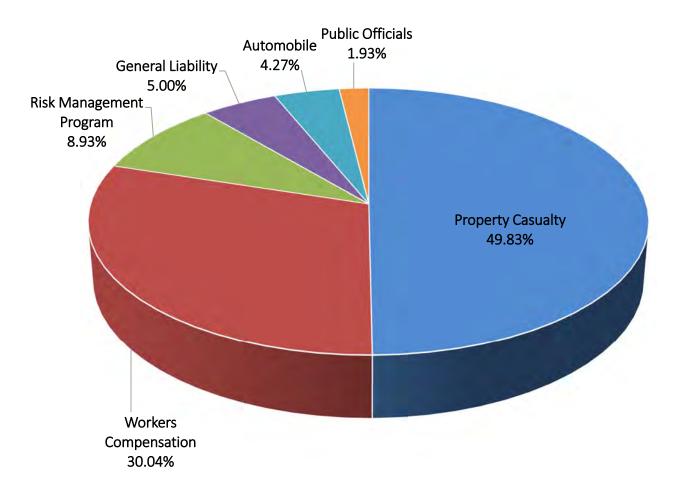
FY 2024 Revenue Categories



FY 2024 REVENUE BUDGET - SUMMARY (CONTINUED)

FY 2024 Insurance Premiums

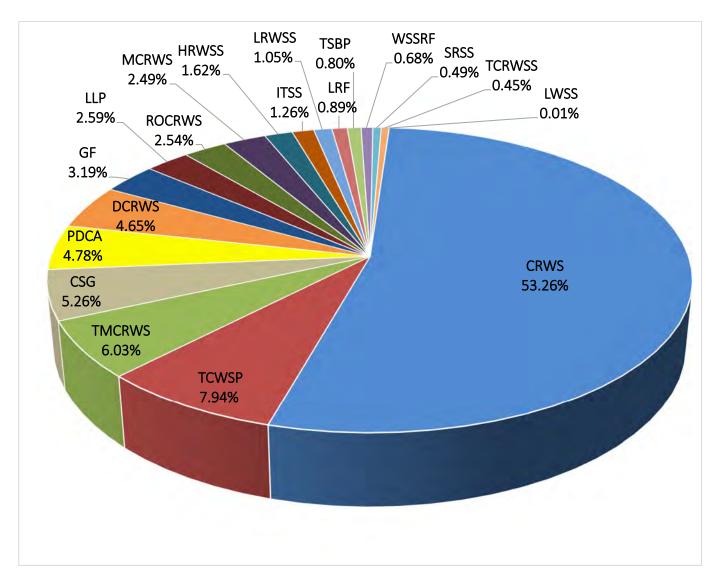
Insurance Premiums	FY24 Budget
Property Casualty	\$ 1,265,409
Workers Compensation	762,948
Risk Management Program	226,913
General Liability	126,904
Automobile	108,414
Public Officials	49,073
Total	\$ 2,539,661



FY 2024 REVENUE BUDGET - SUMMARY (CONTINUED)

FY 2024 Insurance Premium Allocations by Fund

Fund	FY24 Budget	Fund	FY24 Budget
CRWS	\$ 1,352,726	MCRWS	63,170
TCWSP	201,593	HRWSS	41,214
TMCRWS	153,219	ITSS	32,063
CSG	133,608	LRWSS	26,768
PDCA	121,521	LRF	22,534
DCRWS	118,016	TSBP	20,425
GF	81,068	WSSRF	17,299
LLP	65,852	SRSS	12,366
ROCRWS	64,449	TCRWSS	11,478
MCRWS	63,170	LWSS	292
		Total	\$ 2,539,661

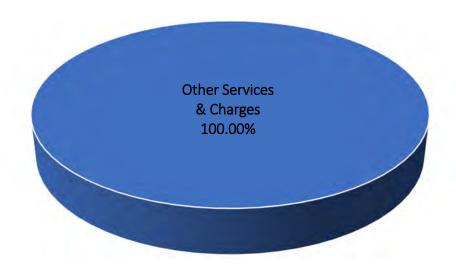


FY 2024 EXPENSE BUDGET - SUMMARY

Expense by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Supplies	\$ 1,502	\$ -	\$ -	0.00%
Other Services & Charges	1,585,552	2,192,028	2,539,661	15.86%
Total Expense	\$ 1,587,054	\$ 2,192,028	\$ 2,539,661	15.86%

FY 2024 Expense Categories



BUDGET HIGHLIGHTS

Other Services & Charges

- o Insurance-workers compensation expense is budgeted to increase for projected additional positions and payroll costs.
- o Insurance-property casualty expense is budgeted to increase as a result of the appraised schedule of values obtained from asset inventory and projected replacement costs.
- o Insurance-general liability expense is projected to increase based on claims experience from pooled insurance carriers.

STAFFING SUMMARY

The Risk Retention internal service has no employees.

FY 2024 FUND BALANCE

FY 2024 Ending Fund Balance Projection

Available Fund Balance, 11/30/22	\$ 2,003,175
FY23 Budgeted Fund Balance Use	-
FY24 Budgeted Fund Balance Increase	9,000
Projected Ending Fund Balance, 11/30/24	\$ 2,012,175
Projected Ending Fund Balance, 11/30/24	\$ 2,012,175

For the FY24 Budget, the Risk Retention fund projects a slight increase in fund balance from interest income. The projected ending fund balance will provide Risk Retention in excess of nine months of operating expense in reserve.

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Fiscal Year 2024 Budget

sk Retention - 815600, 816600, 817600, 818600, 81		<u>2023</u>		
	<u>2022</u> <u>Actual</u>	<u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> Budget
venue				
INSURANCE PREMIUMS - Workers Comp	892,280.00	931,932.00	931,932.00	989,861.00
INSURANCE PREMIUMS - Prop. Casualty	760,173.00	1,000,701.00	1,000,701.00	1,265,409.00
INSURANCE PREMIUMS - Gen Liability	120,263.00	101,909.00	101,909.00	126,904.00
INSURANCE PREMIUMS - Public Officials	55,571.00	49,072.00	49,072.00	49,073.00
INSURANCE PREMIUMS - Automobile	98,229.00	108,414.00	108,414.00	108,414.00
Insurance Premiums Total:	1,926,516.00	2,192,028.00	2,192,028.00	2,539,661.00
INTEREST INCOME	-16,296.72	0.00	51,594.40	9,000.00
Miscellaneous Income Total:	-16,296.72	0.00	51,594.40	9,000.00
Risk Retention -				
15600, 816600, 817600, Revenue Grand Total:	1,910,219.28	2,192,028.00	2,243,622.40	2,548,661.00
818600, 819600				

Fiscal Year 2024 Budget

Risk Retention - 815600, 816600, 817600, 818600, 819	600			
	2022	<u>2023</u>	2023 YTD as of	2024
	<u>Actual</u>	<u>Budget</u>	07/05/2023	Budget
O&M Expense/Debt Service				
OFFICE SUPPLIES - Workers Comp	1,450.44	0.00	0.00	0.00
FEES O/T DUES AND SUBSCRIPTIONS - Workers	51.38	0.00 0.00		0.00
Comp				
Supplies Total:	1,501.82	0.00	0.00	0.00
OTHER PROFESSIONAL SERVICES - Workers Comp	21,513.93	128,998.00	32,353.94	104,000.00
OTHER PROFESSIONAL SERVICES - Gen Liability	17,020.00	0.00	2,301.00	0.00
INSURANCE - Workers Comp	537,404.28	680,021.00	565,378.77	762,948.00
INSURANCE - Prop. Casualty	726,821.90	1,000,701.00	791,077.56	1,265,409.00
INSURANCE - Gen Liability	41,257.07	101,909.00	68,633.33	126,904.00
INSURANCE - Public Officials	45,210.34	49,072.00	44,104.30	49,073.00
INSURANCE - Automobile	96,573.06	108,414.00	93,720.34	108,414.00
TRAINING - Workers Comp	99,751.07	122,913.00	51,030.50	122,913.00
Services and Charges Total:	1,585,551.65	2,192,028.00	1,648,599.74	2,539,661.00
Risk Retention -				
815600, 816600, 817600, O&M Expense/Debt Service 818600, 819600 Grand Total:	1,587,053.47	2,192,028.00	1,648,599.74	2,539,661.00

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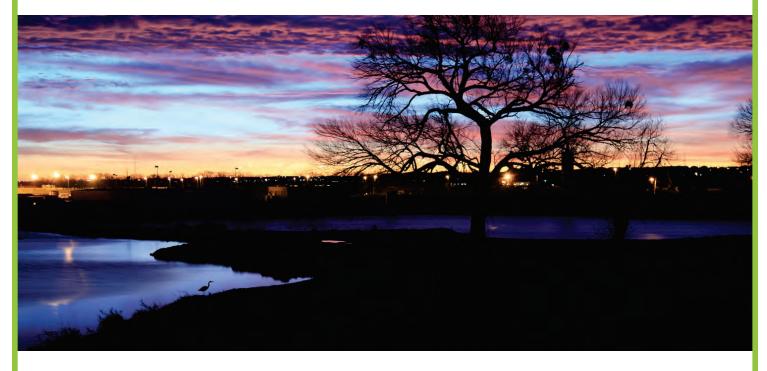
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CENTRAL REGIONAL WASTEWATER SYSTEM

Began Service: 1959 Location: Dallas

Treatment Capacity: 189.0 MGD

FY2024 Budgeted Flow: 142.828 MGD



The Central Regional Wastewater System is a large regional wastewater system located on 495 acres adjacent to the West Fork of the Trinity River; it serves approximately 1.4 million customers. The award-winning treatment plant serves all or portions of 20 cities in the Dallas/Fort Worth metroplex, as well as the Dallas/Fort Worth International Airport. The system is an advanced secondary facility that uses both aerobic and anaerobic bacteria to remove pollutants and advanced filtration processes including cloth media filters. The system also utilizes disinfection and a solids dewatering facility, and is currently permitted to treat 189 million gallons per day (MGD). Following dewatering, the biosolids are disposed of through a beneficial land application program. The system also consists of an extensive regional network of interceptors, pipelines, lift stations and meter stations, as well as facilities for the delivery of treated effluent for golf course irrigation and lake level management under the first major urban reuse program in Texas.

CUSTOMERS

- Addison
- Arlington
- Bedford
- Carrollton
- Cedar Hill
- Colleyville
- Coppell
- Dallas

- DFW International Airport
- Duncanville
- Euless
- Farmers Branch
- Fort Worth
- Grand Prairie
- Grapevine

- Hurst
- Irving
- Keller
- Mansfield
- North Richland Hills
- Southlake

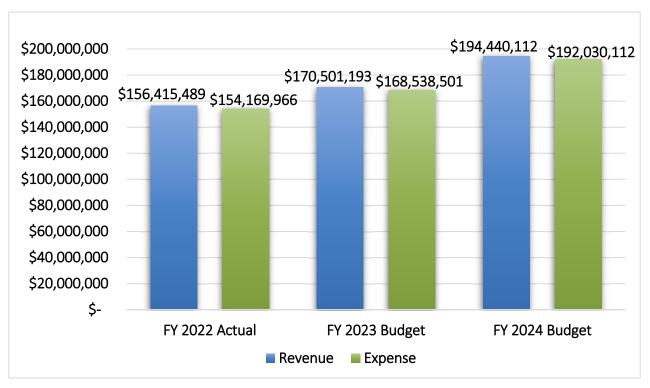
PERFORMANCE MEASURES

CRWS sets performance measures that are tracked on a quarterly basis throughout the budget year. CRWS performance goals for FY 2024:

		Performance Measures	FY 2022 Actual	FY 2023 Target	FY 2024 Target	
Goal	Goal 2: The Trinity River Authority leverages the full breadth of its powers for the betterment of the basin and organization.	Maintain 100% regulatory				
Strategy	2.1: Proactively advocate and respond to the regulatory environment using TRA's robust data, research and expertise.	compliance with Texas Pollutant Discharge Elimination System.	100%	100%	100%	
Initiative	Continue to perform with no permit violations for both Liquids and Solids process streams.					
Goal	Goal 4: The Trinity River Authority stands for excellence in all things.	Operate within target annual	1,505 kwh	1,600 kwh	1,600 kwh	
Strategy	4.3: Continue to build upon TRA's strong reputation.	average of kilowatt hours of electrical				
Initiative	Optimize electrical usage to efficiently provide treatment and disinfection within an acceptable average range.	usage per million gallons of treatment at the System plant.				
Goal	Goal 4: The Trinity River Authority stands for excellence in all things.	Produce a yearly average percentage	29%	32%	32%	
Strategy	4.3: Continue to build upon TRA's strong reputation.	weight in tons of dry solids versus wet				
Initiative	Optimize Solids Operations to effectively maintain solids output within an average range.	that meets the 10- year average of 32%.				
Goal	Goal 1: The Trinity River Authority proactively engages in initiatives that foster a robust talent pipeline.	Maintain 75% of eligible Operations	100%	75%	100%	
Strategy	1.2: Develop clear career pathways for TRA employees.	staff group with certifications or				
Initiative	Ensure all employees have a career path at TRA while continuing to prepare for succession planning.	licenses.				

FY 2024 BUDGET SUMMARY





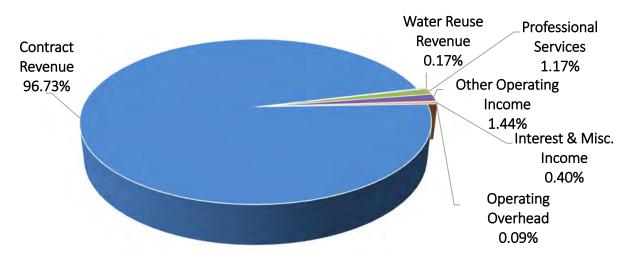
FY 2024 REVENUE BUDGET - SUMMARY

Revenue by Year

	FY 2022	FY 2023	FY 2024	%
	Actual	Budget	Budget	Change
Contract Revenue	\$152,244,546	\$165,269,991	\$188,079,703	13.80%
Water Reuse Revenue	768,321	310,280	325,566	4.93%
Professional Services	2,025,357	2,115,548	2,273,219	7.45%
Other Operating Income	2,047,076	2,500,000	2,800,000	12.00%
Operating Overhead	117,237	180,000	180,000	0.00%
Interest & Misc. Income	(787,048)	125,374	781,624	523.43%
Total Revenue	\$156,415,489	\$170,501,193	\$194,440,112	14.04%

FY 2024 REVENUE - BUDGET SUMMARY (CONTINUED)

FY 2024 Revenue Categories

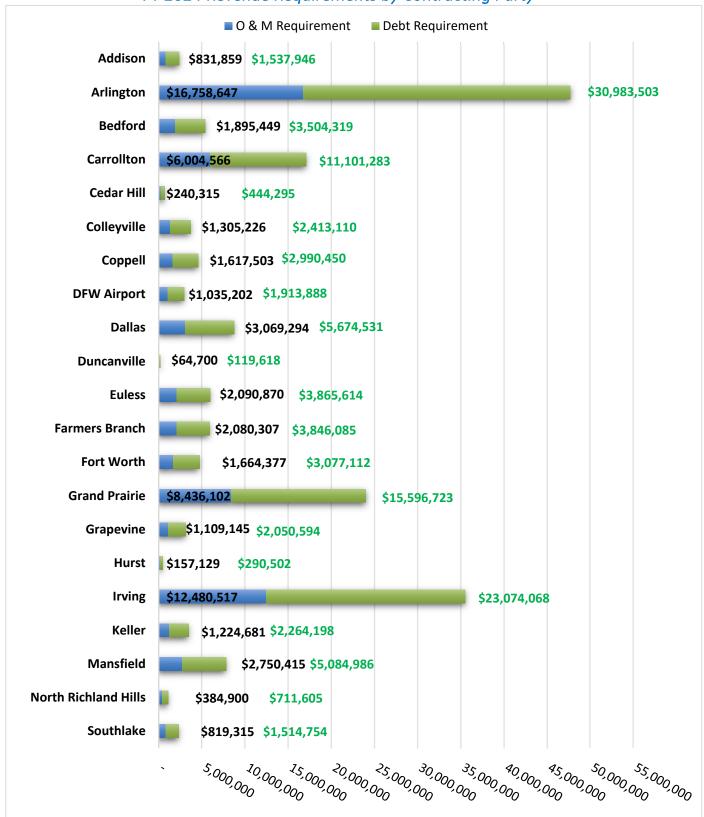


FY 2024 Contract Revenue Allocation

Contracting Party	Budgeted Flow (MGD)	Budgeted Flow %	O&M Requirement		Re	Debt quirement	Total Revenue	
Addison	1.800	1.260%	\$ 83	31,859	\$	1,537,946	\$ 2,369,80) 5
Arlington	36.256	25.384%	16,75	8,647		30,983,503	47,742,15	50
Bedford	4.100	2.871%	1,89	5,449		3,504,319	5,399,76	68
Carrollton	12.990	9.095%	6,00	04,566		11,101,283	17,105,84	49
Cedar Hill	0.520	0.364%	24	10,315		444,295	684,63	10
Colleyville	2.824	1.977%	1,30)5,226		2,413,110	3,718,33	36
Coppell	3.500	2.450%	1,61	7,503		2,990,450	4,607,95	53
DFW Airport	2.240	1.568%	1,03	35,202		1,913,888	2,949,09	90
Dallas	6.640	4.649%	3,06	59,294		5,674,531	8,743,82	25
Duncanville	0.140	0.098%	6	54,700		119,618	184,33	18
Euless	4.524	3.167%	2,09	90,870		3,865,614	5,956,48	84
Farmers Branch	4.500	3.151%	2,08	30,307		3,846,085	5,926,39	92
Fort Worth	3.600	2.521%	1,66	54,377		3,077,112	4,741,48	89
Grand Prairie	18.250	12.778%	8,43	36,102		15,596,723	24,032,82	25
Grapevine	2.400	1.680%	1,10	9,145		2,050,594	3,159,73	39
Hurst	0.340	0.238%	15	57,129		290,502	447,63	31
Irving	27.000	18.904%	12,48	30,517		23,074,068	35,554,58	85
Keller	2.650	1.855%	1,22	24,681		2,264,198	3,488,87	79
Mansfield	5.950	4.166%	2,75	50,415		5,084,986	7,835,40	Э1
North Richland Hills	0.832	0.583%	38	34,900		711,605	1,096,50	Э5
Southlake	1.772	1.241%	81	9,315		1,514,754	2,334,06	69
Total	142.828	100.000%	\$ 66,020	0,519	\$	122,059,184	\$ 188,079,70	03

FY 2024 REVENUE BUDGET - SUMMARY (CONTINUED)

FY 2024 Revenue Requirements by Contracting Party

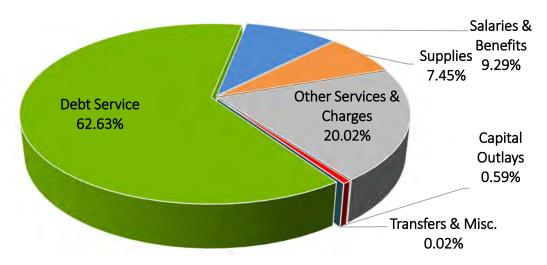


FY 2024 EXPENSE BUDGET - SUMMARY

Expense by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Salaries & Benefits	\$ 15,435,654	\$ 16,650,858	\$ 17,834,019	7.11%
Supplies	8,674,046	13,830,272	14,311,943	3.48%
Other Services & Charges	34,815,018	33,447,559	38,439,606	14.92%
Capital Outlays	300,880	721,780	1,136,455	57.45%
Transfers & Misc.	47,264	126,260	46,660	(63.04%)
Total O&M Expense	59,272,862	64,776,729	71,768,683	10.79%
Debt Service	94,897,104	103,761,772	120,261,429	15.90%
Total Expense	\$ 154,169,966	\$ 168,538,501	\$ 192,030,112	13.94%

FY 2024 Expense Categories



BUDGET HIGHLIGHTS

Salaries & Benefits

- o Reflects an overall increase related to merit, progressions and promotions; shift differential and holiday pay based upon the Salary Administration Plan; and compensated absences for tenured employees meeting the Rule of 80.
- o In addition, the budget reflects the addition of three positions:
 Maintenance Mechanic I, Laboratory Chemist and Warehouse staff. Four positions have been transferred: three to the ITSS fund; PCS Auto Analyst I & II and IT Network Systems Architect and one to the General Fund; Project Program Analyst.
- o For FY24, health insurance expense is projected to increase related to an increase in insurance premiums.

BUDGET HIGHLIGHTS (CONTINUED)

Supplies Supplies

- o Overall increase related to lab supplies for additional mandatory regulatory testing, industry growth, and special investigations.
- o Overall increase in process chemicals prices and additional quantities used in the odor control and sludge thickening process.

Other Services & Charges

- o Reflects an increase in natural gas utilities based on all digesters being online and use of liquid natural gas during the year. An increase in electric utility expense is budgeted based on demand with new processes online.
- o Reflects an overall increase related to allocated service costs in information technology, risk insurance costs and administrative overhead.
- o Reflects an increase in repairs and maintenance-plant expense based upon a risk analysis of plant equipment such as pumps, mechanical seals, belt presses, and an overhead crane.
- CRWS proposes expense decreases related to engineering studies completed in prior year and outside services for a reduction in solid waste disposal.

Capital Outlays

o Reflects an overall increase related to the purchase of lab analysis and extraction equipment for required PFAS testing to be completed in-house.

Debt Service

o Includes the debt service needs of the \$945,850,000 current outstanding debt, a \$129,985,000 planned debt issuance to fund the FY 2023 Capital Improvement Program, and planned debt issuance of \$164,885,000 to fund the FY 2024 Capital Improvement Program.

STAFFING SUMMARY

CRWS is managed by one Project Manager who is responsible for all aspects of the facility. CRWS employs 174 full-time positions, divided into the following areas of responsibility: Administration, Quality Assurance & Security, Engineering, Regulatory and Compliance Services, Operations and Maintenance, Solids and Liquids Process, Electrical/Electronic and Purchasing Warehouse.

	FY 2022	FY 2023	FY 2024	FY23-24
	Budget	Budget	Budget	Change
Full-time	175	175	174	(1)

FY 2024 FLOW DATA & COST PER 1,000/GAL PROJECTION

Cost per 1,000/gallon rate is based on contracting party projections, CRWS budgeted O&M expenses and CRWS Debt Service requirement for capital improvement projects. FY2024 cost per 1,000/gallon rate is \$3.598 and projected flow is 142.828 MGD, representing a 0.86% decrease from the FY 2023 Budgeted flow of 144.061 MGD.

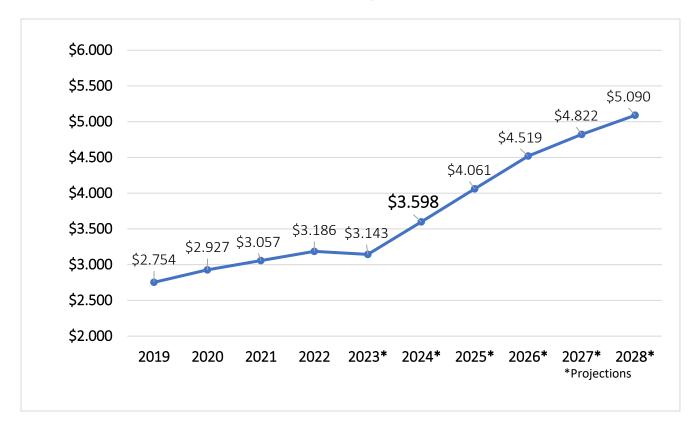
Budgeted Flow Comparison

Contracting Party	FY 2022 Actual Flow (MGD)	FY2022 Actual Flow %	FY 2023 Budgeted Flow (MGD)	FY 2023 Budgeted Flow %	FY 2024 Budgeted Flow (MGD)	FY 2024 Budgeted Flow %
Addison	1.700	1.304%	1.800	1.249%	1.800	1.260%
Arlington	34.839	26.611%	36.307	25.202%	36.256	25.384%
Bedford	3.779	2.887%	4.100	2.846%	4.100	2.871%
Carrollton	11.692	8.931%	12.990	9.017%	12.990	9.095%
Cedar Hill	0.451	0.344%	0.550	0.382%	0.520	0.364%
Colleyville	2.710	2.070%	2.900	2.013%	2.824	1.977%
Coppell	3.162	2.415%	3.500	2.430%	3.500	2.450%
DFW Airport	2.043	1.561%	2.240	1.555%	2.240	1.568%
Dallas	6.341	4.844%	6.725	4.668%	6.640	4.649%
Duncanville	0.084	0.064%	0.161	0.112%	0.140	0.098%
Euless	4.284	3.272%	4.620	3.207%	4.524	3.167%
Farmers Branch	4.233	3.233%	4.500	3.124%	4.500	3.151%
Fort Worth	3.697	2.824%	3.421	2.375%	3.600	2.521%
Grand Prairie	15.360	11.733%	19.000	13.189%	18.250	12.778%
Grapevine	2.231	1.704%	2.400	1.666%	2.400	1.680%
Hurst	0.304	0.232%	0.338	0.235%	0.340	0.238%
Irving	23.765	18.153%	27.000	18.742%	27.000	18.904%
Keller	2.343	1.790%	2.810	1.951%	2.650	1.855%
Mansfield	5.711	4.362%	5.950	4.130%	5.950	4.166%
North Richland Hills	0.785	0.600%	0.853	0.592%	0.832	0.583%
Southlake	1.396	1.066%	1.896	1.315%	1.772	1.241%
Total	130.917	100.000%	144.061	100.000%	142.828	100.000%

FY 2024 FLOW DATA & COST PER 1,000/GAL PROJECTION (CONTINUED)

The projected flows were used to develop the FY 2024 O&M expense budget and to allocate the revenue requirement. Anticipated flows are also considered in the development of the Capital Improvement Program budget.

Cost/1,000 gallons



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Fiscal Year 2024 Budget

Central Region	nal Wastewater System - 110600, 11260	00, 110700, 110701			
		<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
Revenue					
**** CON	T. REV ADDISON-CASH	1,985,268.88	2,064,222.00	1,548,162.00	2,369,805.00
	T. REV ARLINGTON-CASH	40,513,310.59	41,651,343.00	31,238,514.00	47,742,150.00
	T. REV BEDFORD-CASH	4,395,300.05	4,703,584.00	3,527,685.00	5,399,768.00
**** CON	T. REV CARROLLTON-CASH	13,596,960.42	14,902,395.00	11,176,794.00	17,105,849.00
**** CON	T. REV CEDAR HILL-CASH	523,721.24	631,331.00	473,499.00	684,610.00
**** CON	T. REV COLLEYVILLE-CASH	3,151,462.11	3,326,885.00	2,495,169.00	3,718,336.00
**** CON	T. REV COPPELL-CASH	3,676,705.79	4,016,061.00	3,012,048.00	4,607,953.00
**** CON	T. REV D/FW APT BRD-CASH	2,376,537.37	2,569,948.00	1,927,467.00	2,949,090.00
**** CON	T. REV DALLAS-CASH	7,374,725.82	7,714,803.00	5,786,100.00	8,743,825.00
**** CON	T. REV DUNCANVILLE-CASH	97,436.51	185,104.00	138,834.00	184,318.00
**** CON	T. REV EULESS-CASH	4,981,441.55	5,300,208.00	3,975,156.00	5,956,484.00
**** CON	T. REV FARMERS BRANCH-CASH	4,922,066.18	5,163,034.00	3,872,277.00	5,926,392.00
**** CON	T. REV FORT WORTH-CASH	4,299,385.98	3,925,162.00	2,943,873.00	4,741,489.00
**** CON	T. REV GRAND PRAIRIE-CASH	17,863,338.19	21,797,459.00	16,348,095.00	24,032,825.00
**** CON	T. REV GRAPEVINE-CASH	2,594,247.06	2,753,398.00	2,065,050.00	3,159,739.00
**** CON	T. REV HURST-CASH	353,207.35	388,386.00	291,294.00	447,631.00
	T. REV IRVING-CASH	27,636,952.46	30,974,902.00	23,231,178.00	35,554,585.00
**** CON	T. REV KELLER-CASH	2,725,177.37	3,224,417.00	2,418,318.00	3,488,879.00
**** CON	T. REV MANSFIELD-CASH	6,640,907.10	6,825,651.00	5,119,236.00	7,835,401.00
**** CON	T. REV NORTH RICH HILLS-CASH	913,467.28	978,398.00	733,797.00	1,096,505.00
	T. REV SOUTHLAKE-CASH	1,622,926.86	2,173,300.00	1,629,972.00	2,334,069.00
	Contract Revenue Total:	152,244,546.16	165,269,991.00	123,952,518.00	188,079,703.00
OPERATING	OVERHEAD - DWRP Rev	407,512.20	55,000.00	98,199.86	57,510.00
	Y/STANDBY CHARGES - DWRP Rev	360,819.43	255,280.00	80,529.32	268,056.00
INTEREST IN		-10.68	0.00	0.00	0.00
	Water Reuse Revenue Total:	768,320.95	310,280.00	178,729.18	325,566.00
INTERFUND	SERVICES & CHARGES	1,298,953.31	1,243,507.00	915,791.90	1,541,856.00
OPERATING		22,041.00	22,041.00	22,041.00	31,363.00
PROFESSIO		704,362.67	850,000.00	301,729.62	700,000.00
	Professional Services Total:	2,025,356.98	2,115,548.00	1,239,562.52	2,273,219.00
OVERSTREM	NGTH SURCHARGES	2,047,076.16	2,500,000.00	2,172,490.89	2,800,000.00
	Other Operating Income Total:	2,047,076.16	2,500,000.00	2,172,490.89	2,800,000.00
PRETREATM	IENT REVENUES	117,237.00	180,000.00	79,091.00	180,000.00
	Operating Overhead Total:	117,237.00	180,000.00	79,091.00	180,000.00
INTEREST IN	NCOME	-871,238.92	93,750.00	2,815,098.93	750,000.00
RENTAL INC	OME - OFFICE FACILITIES	31,624.00	31,624.00	31,624.00	31,624.00
	PITAL ASSETS	6,207.67	0.00	25,853.75	0.00
MISCELLANI	EOUS INCOME Miscellaneous Income Total:	46,358.91	0.00	25,596.24	0.00
	Miscellaneous income Total.	-787,048.34	125,374.00	2,898,172.92	781,624.00
Central Reg Wastewater S 110600, 112600 11070	System - Revenue Grand Total: 0, 110700,	156,415,488.91	170,501,193.00	130,520,564.51	194,440,112.00

Fiscal Year 2024 Budget

	<u>2022</u>	<u>2023</u>	2023 YTD as of	<u>20</u>
	<u>Actual</u>	<u>Budget</u>	<u>07/05/2023</u>	Budg
M Expense/Debt Service				
SALARIES	10,841,194.71	11,739,101.00	6,428,455.33	12,459,909.
PAYROLL TAXES-FICA	805,161.01	897,051.00	483,386.10	950,267.
EMPLOYEE BENEFIT - HEALTH/LIFE	2,591,035.81	2,535,398.00	1,405,089.55	2,889,448.
EMPLOYEE BENEFIT - PENSION	1,070,820.84	1,324,982.00	617,859.55	1,409,632
UNEMPLOYMENT COMPENSATION	4,406.49	5,000.00	0.00	5,000
EMPLOYEE RECOGNITION	100,436.41	105,770.00	91,484.00	105,420
EMPLOYEE BENEFIT - EDUCATION	22,598.37	43,556.00	9,341.75	14,343
Salaries and Benefits Total:	15,435,653.64	16,650,858.00	9,035,616.28	17,834,019
OFFICE SUPPLIES	56,716.17	62,833.00	56,016.34	61,660
DUES AND SUBSCRIPTIONS	55,751.47	65,680.00	38,509.73	69,413
FEES O/T DUES AND SUBSCRIPTIONS	121,218.07	155,805.00	23,425.06	157,166
MAINT AND OPER SUPPLIES	442,468.83	388,151.00	256,560.27	422,899
LAB SUPPLIES	536,336.31	536,689.00	307,732.75	633,448
	•	•	•	
PROCESS CHEMICALS AND SUPPLIES	6,924,473.62	12,265,349.00	4,903,948.24	12,586,281
FUEL, OIL, AND LUBRICANTS	298,915.97	229,335.00	152,550.90	276,576
COMPUTER MAINTENANCE AND SUPPLIES Supplies Total:	238,165.39 8,674,045.83	126,430.00 13,830,272.00	156,957.93 5,895,701.22	104,500
	, ,			
ENGINEERING	587,233.24	1,423,680.00	370,272.28	1,341,128
LEGAL SERVICES	0.00	10,000.00	0.00	10,000
OUTSIDE SERVICES	1,232,386.16	1,478,511.00	703,567.59	1,367,792
OTHER PROFESSIONAL SERVICES	408,568.37	505,421.00	277,467.94	561,445
INFORMATION TECHNOLOGY SERVICES	1,813,280.00	2,244,359.00	1,683,269.00	3,891,075
TECHNICAL SERVICES AND BASIN PLANNING	625,440.00	665,321.00	498,992.00	732,389
COLLECTION SYSTEM GROUP SERVICES	3,446,920.00	3,568,788.00	3,568,788.00	3,594,070
TELEPHONE AND TELEMETRY	883.92	7,766.00	10,238.33	8,318
POSTAGE	24,677.49	24,250.00	13,051.74	24,100
PRINTING AND BINDING	2,429.08	1,900.00	1,438.07	1,950
INSURANCE	783,414.00	1,027,012.00	1,027,012.00	1,352,726
TRAVEL	44,730.91	42,248.00	23,423.46	34,454
LAUNDRY, UNIF, AND IND. EQUIPMENT	87,938.47	87,773.00	49,396.83	95,353
TRAINING	75,070.65	47,554.00	54,802.58	60,315
UTILITIES	3,582,598.96	4,299,746.00	2,483,533.59	5,940,036
WATER	0.00	0.00	4,036.45	
R&M IMPROVEMENTS O/T BUILDINGS	55,134.92	195,000.00	22,933.56	166,000
REPAIRS AND MAINTENANCE-EQUIPMENT	363,757.09	429,667.00	263,102.87	447,841
REPAIRS AND MAINTENANCE - PLANT	2,942,072.40	3,132,700.00	1,459,841.00	3,830,400
REPAIRS AND MAINTENANCE - VEHICLES	107,813.96	48,072.00	62,669.29	46,500
REPAIRS AND MAINTENANCE-EMERGENCY	538,228.37	1,000,000.00	426,434.44	1,000,000
REPAIRS AND MAINTENANCE-EMERGENCY - DWRP	360,674.66	0.00	0.00	1,000,000
Rev REPAIRS AND MAINTENANCE - ELECTRICAL	1,720,617.88	1,926,100.00	1,215,639.67	1,927,500
BIOSOLIDS DISPOSAL	12,000,485.83	6,481,215.00	5,951,253.51	6,451,256
	153,935.87	135,986.00	75,203.42	318,000
RENT - MACHINERY & EQUIPMENT			2,805.13	
INTERFUND SERVICES AND CHARGES	37,872.79	25,000.00	•	30,078
ADMINISTRATIVE OVERHEAD	3,884,970.00	4,639,490.00	4,639,490.00	5,206,880
OTHER SERVICES & CHARGES CREDIT Services and Charges Total:	-66,116.88 34,815,018.14	33,447,559.00	-8,312.34 24,880,350.41	38,439,606
_				
MACHINERY & EQUIPMENT Capital Outlays Total:	300,879.54 300,879.54	721,780.00 721,780.00	372,507.32 372,507.32	1,136,455 1,136,455
	·		•	
DEBT RELATED FEES	47,392.00	52,760.00 73,500.00	15,198.00	46,660
DEBT ISSUANCE COSTS	-127.54	73,500.00	0.00	
Transfers & Misc Total:	47,264.46	126,260.00	15,198.00	46,660

Fiscal Year 2024 Budget

Central Regional Wastewater System - 110600, 112600, 110700, 110701									
		<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>				
LEASE PRINCIPAL PAYI	MENT	2,961.00	0.00	0.00	0.00				
BOND PRINCIPAL PAYM	MENTS - I&S	53,885,000.00	55,640,000.00	0.00	67,510,000.00				
INTEREST ON LEASE		189.00	0.00	0.00	0.00				
INTEREST ON LONG-TE	ERM DEBT - I&S	41,008,954.00	48,121,772.00	7,204,394.44	52,751,429.00				
	Debt Service Total:	94,897,104.00	103,761,772.00	7,204,394.44	120,261,429.00				
	Debt Service Grand Total:	94,897,104.00	103,761,772.00	7,204,394.44	120,261,429.00				
Central Regional Wastewater System - 110600, 112600, 110700, 110701	O&M Expense/Debt Service Grand Total:	154,169,965.61	168,538,501.00	47,403,767.67	192,030,112.00				

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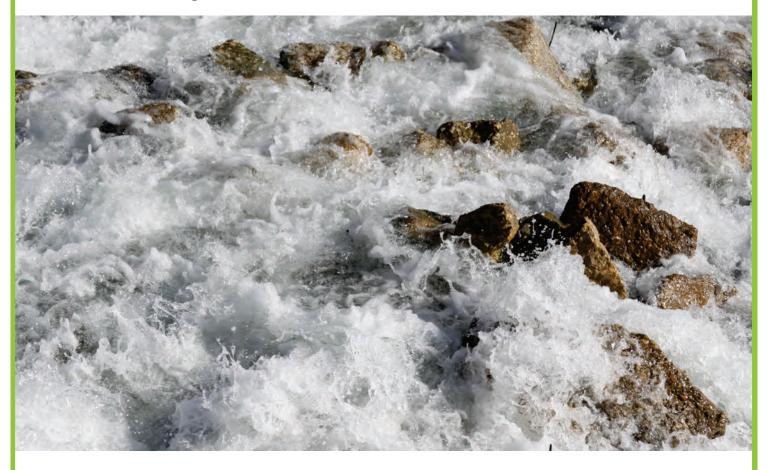
TEN MILE CREEK REGIONAL WASTEWATER SYSTEM

Began Service: 1970

Location: Ferris

Treatment Capacity: 24.0 MGD

FY2024 Budgeted Flow: 17.177 MGD



The Ten Mile Creek Regional Wastewater System is a 24 MGD activated sludge treatment plant on a 100-acre site near Ferris; it provides regional wastewater transportation* and treatment services to all or portions of six cities. The treatment plant consists of wet-weather storage screening facilities, grit removal, three activated sludge treatment trains, tertiary treatment with ultraviolet disinfection, and a solids dewatering facility. Following dewatering, the biosolids are disposed of in an off-site municipal landfill. The system also provides treated effluent for irrigation under a Type II water reuse authorization from the Texas Commission on Environmental Quality.

CUSTOMERS

- Cedar Hill
- DeSoto
- Duncanville
- Ferris
- Lancaster
- Wilmer

^{*}Transportation denotes the movement of wastewater through pipes from customer cities to the treatment plant.

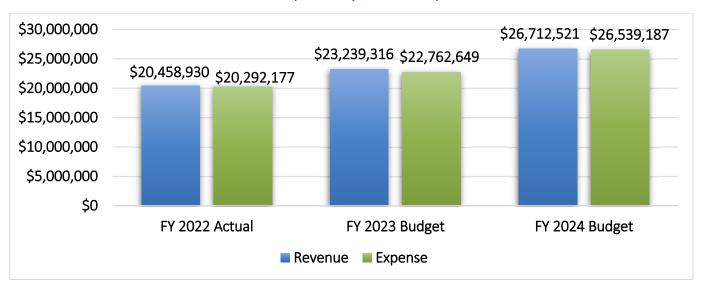
PERFORMANCE MEASURES

TMCRWS sets performance measures that are tracked on a quarterly basis throughout the budget year. TMCRWS performance goals for FY 2024:

		Performance Measures	FY 2022 Actual	FY 2023 Target	FY 2024 Target
Goal	Goal 2: The Trinity River Authority leverages the full breadth of its powers for the betterment of the basin and organization.	Maintain 100% regulatory			
Strategy	2.1: Proactively advocate and respond to the regulatory environment using TRA's robust data, research and expertise.	compliance with Texas Pollutant Discharge Elimination System.	100%	100%	100%
Initiative	Continue to perform with no permit violations for both Liquids and Solids process streams.				
Goal	Goal 2: The Trinity River Authority leverages the full breadth of its powers for the betterment of the basin and organization.	Operate within target annual average of kilowatt			
Strategy	4.3: Continue to build upon TRA's strong reputation.	hours of electrical usage per million	2,919 kwh	3,200 kwh	3,200 kwh
Initiative	Optimize electrical usage to efficiently provide treatment and disinfection within an acceptable average range.	gallons of treatment at the System plant.			
Goal	Goal 4: The Trinity River Authority stands for excellence in all things.	Produce a yearly average percentage			
Strategy	4.3: Continue to build upon TRA's strong reputation.	weight in tons of dry solids versus wet	27%	27%	27%
Initiative	Optimize Solids Operations to effectively maintain solids output within an average range.	that meets the 10- year average of 27%.			
Goal	Goal 1: The Trinity River Authority proactively engages in initiatives that foster a robust talent pipeline.	Maintain 75% of			
Strategy	1.2: Develop clear career pathways for TRA employees.	eligible Operations staff group with certifications or	63%	75%	80%
Initiative	Ensure all employees have a career path at TRA while continuing to prepare for succession planning.	licenses.			

FY 2024 BUDGET SUMMARY

Revenue & Expense by Year Comparison



FY 2024 REVENUE BUDGET - SUMMARY

Revenue by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Contract Revenue	\$ 20,574,278	\$ 23,223,529	\$ 26,500,172	14.11%
Water Reuse Revenue	2,037	2,037	2,037	0.00%
Professional Services	-	-	100,312	100.00%
Interest & Misc. Income	(117,385)	13,750	110,000	700.00%
Total Revenue	\$ 20,458,930	\$ 23,239,316	\$ 26,712,521	14.95%



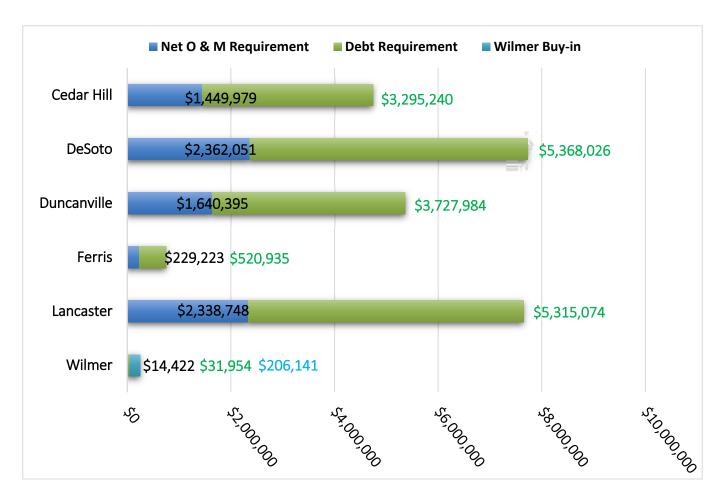
FY 2024 REVENUE BUDGET - SUMMARY (CONTINUED)

FY 2024 Contract Revenue Allocation

Contracting Party	Budgeted Flow (MGD)	Budgeted Flow %	O&M Requirement	Buy-in Wilmer	Net O&M Requirement	Debt Requirement	Total Revenue
Cedar Hill	3.100	18.047%	\$ 1,487,246	(\$ 37,267)	\$ 1,449,979	\$ 3,295,240	\$ 4,745,219
DeSoto	5.050	29.399%	2,422,760	(60,709)	2,362,051	5,368,026	7,730,077
Duncanville	3.507	20.417%	1,682,557	(42,162)	1,640,395	3,727,984	5,368,379
Ferris	0.490	2.853%	235,115	(5,892)	229,223	520,935	750,158
Lancaster	5.000	29.109%	2,398,859	(60,111)	2,338,748	5,315,074	7,653,822
Wilmer	0.030	0.175%	14,422	206,141	220,563	31,954	252,517
Total	17.177	100.000%	\$ 8,240,959	\$ -	\$ 8,240,959	\$ 18,259,213	\$ 26,500,172

The City of Wilmer will join TMCRWS as a customer in FY 2024. The wastewater treatment agreement includes a Buy-In contribution credited to the contracting parties and a minimum flow of 0.030 MGD.

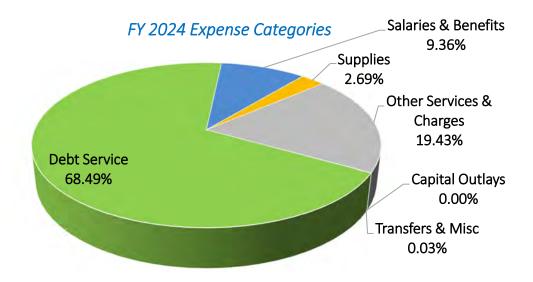
FY 2024 Revenue Requirement by Contracting Party



FY 2024 EXPENSE BUDGET - SUMMARY

Expense by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Salaries & Benefits	\$ 1,970,581	\$ 2,244,945	\$ 2,484,515	10.67%
Supplies	488,015	709,775	714,031	0.60%
Other Services & Charges	4,492,543	4,532,810	5,155,952	13.75%
Capital Outlays	155,086	11,105	-	(100.00%)
Transfers & Misc.	7,984	10,420	8,810	(15.45%)
Total O&M Expense	7,114,209	7,509,055	8,363,308	11.38%
Debt Service	13,177,968	15,253,594	18,175,879	19.16%
Total Expense	\$ 20,292,177	\$ 22,762,649	\$ 26,539,187	16.59%



BUDGET HIGHLIGHTS

Salaries & Benefits

- o Salaries expense reflects an increase related to merit and progressions for skilled staff and shift differential pay for employees working the evening and overnight hours in accordance with the Authority's Salary Administration Plan.
- o For FY24, health insurance expense is projected to increase related to premium rates.

FY 2024 EXPENSE BUDGET - SUMMARY (CONTINUED)

Supplies Supplies

- o Lab supplies expense is budgeted to increase for the purchase of glass and plastic ware used for permit and sample analysis collection.
- o Process chemical expense reflects an increase related to the bid unit prices for polymer used in the dewatering process.

Other Services & Charges

- o Outside services expenses related to plant security services, janitorial services and lawn/landscape maintenance are budgeted to increase.
- o Repair and maintenance plant expenses are projected to increase after an evaluation of the remaining useful life of the cloth media filters, replacement of a crane trolley assembly, and centrifugal pump repair.
- o Repair and maintenance-electrical expenses are projected to increase related to the replacement of variable frequency drives; maintenance of switchgear breakers; and replacement components for the UV disinfection system.
- o The System also anticipates an increase in expenses related to allocated services for information technology, risk and property insurance, and administrative overhead.

Capital Outlays

o No capital outlay expenses are budgeted for the FY24 fiscal year.

Debt Service

o Includes debt service expense for \$102,720,000 of outstanding debt anticipated at the beginning of FY 2024, a planned bond issuance of \$49,740,000 to fund the FY 2023 Capital Improvement Program, and a planned bond issuance of \$9,595,000 to fund the FY 2024 Capital Improvement Program.

STAFFING SUMMARY

TMCRWS is managed by one Project Manager responsible for all aspects of the facility. TMCRWS employs 25 full time employees, which are divided into the following areas of responsibility: Administration, Operations, and Maintenance. No new positions are included in the FY 2024 budget.

	FY 2022	FY 2023	FY 2024	FY23-24
	Budget	Budget	Budget	Change
Full-time	24	25	25	-

FY 2024 FLOW DATA & COST PER 1,000/GAL PROJECTION

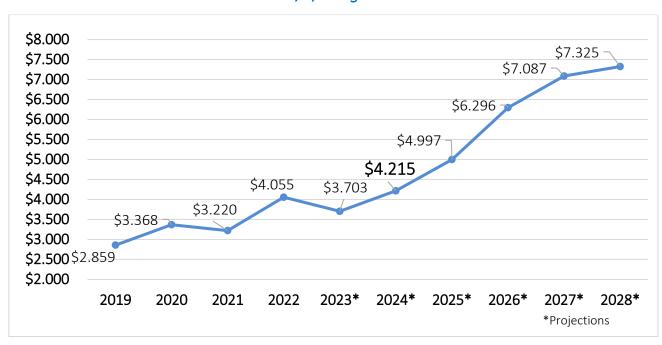
The cost per 1,000/gallon rate is based on contracting party projected flows. FY 2024 cost per 1,000/gallon rate is \$4.215 based on a projected flow of 17.177 MGD. This flow is a 0.03% decrease from the FY 2023 budgeted flow of 17.182 MGD.

Budgeted			
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	FY 2022	FY 2022	FY 2023	FY 2023	FY 2024	FY 2024
	Actual	Actual	Budgeted	Budgeted	Budgeted	Budgeted
Contracting	Flow	Flow	Flow	Flow	Flow	Flow
Party	(MGD)	%	(MGD)	%	(MGD)	%
Cedar Hill	2.612	18.791%	3.200	18.622%	3.100	18.047%
DeSoto	4.292	30.878%	5.000	29.100%	5.050	29.399%
Duncanville	2.761	19.864%	3.600	20.952%	3.507	20.417%
Ferris	0.300	2.158%	0.382	2.226%	0.490	2.853%
Lancaster	3.935	28.309%	5.000	29.100%	5.000	29.109%
Wilmer	n/a	n/a	n/a	n/a	0.030	0.175%
Total	13.900	100.000%	17.182	100.000%	17.177	100.000%

Projected flows were used to develop the FY 2024 O&M expense budget and to allocate the revenue requirement. Anticipated flows are also considered in the development of the Capital Improvement Program budget.

Cost/1,000 gallons



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Fiscal Year 2024 Budget

		<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	202 <u>Budge</u>
evenue					
****	WILMER BUY IN CREDIT - CEDAR HILL	0.00	0.00	0.00	-37,267.0
****	CONT. REV CEDAR HILL-CASH	3,871,039.74	4,324,686.00	3,243,510.00	4,782,486.0
****	WILMER BUY IN CREDIT - DESOTO	0.00	0.00	0.00	-60,709.0
****	CONT. REV DESOTO-CASH	6,352,925.49	6,758,046.00	5,068,539.00	7,790,786.0
****	WILMER BUY IN CREDIT - DUNCANVILLE	0.00	0.00	0.00	-42,162.0
****	CONT. REV DUNCANVILLE-CASH	4,081,947.32	4,865,794.00	3,649,347.00	5,410,541.0
****	WILMER BUY IN CREDIT - FERRIS	0.00	0.00	0.00	-5,892.0
****	CONT. REV FERRIS-CASH	443,992.91	516,956.00	387,720.00	756,050.0
****	WILMER BUY IN CREDIT - LANCASTER	0.00	0.00	0.00	-60,111.0
****	CONT. REV LANCASTER-CASH	5,824,372.29	6,758,047.00	5,068,539.00	7,713,933.0
****	BUY IN COLLECTIONS - WILMER	0.00	0.00	0.00	206,141.0
****	CONT.REV WILMER-CASH	0.00	0.00	0.00	46,376.0
	Contract Revenue Total:	20,574,277.75	23,223,529.00	17,417,655.00	26,500,172.0
COM	MODITY/STANDBY CHARGES	2,037.00	2,037.00	2,037.00	2,037.0
	Water Reuse Revenue Total:	2,037.00	2,037.00	2,037.00	2,037.0
INTE	RFUND SERVICES & CHARGES	0.00	0.00	0.00	100,312.0
	Professional Services Total:	0.00	0.00	0.00	100,312.0
INTE	REST INCOME	-117,895.93	13,750.00	388,502.83	110,000.0
MISC	ELLANEOUS INCOME	511.00	0.00	29,420.96	0.0
	Miscellaneous Income Total:	-117,384.93	13,750.00	417,923.79	110,000.0
Regio	n Mile Creek nal Wastewater Revenue Grand Total: -120600, 120700, 120701	20,458,929.82	23,239,316.00	17,837,615.79	26,712,521.0

Fiscal Year 2024 Budget

	2022	2023	2023 YTD as of	202
	<u>Actual</u>	Budget	07/05/2023	Budge
M Expense/Debt Service				
SALARIES	1,359,180.40	1,572,177.00	839,958.66	1,690,774.0
PAYROLL TAXES-FICA	99,549.10	120,272.00	61,965.20	128,732.0
EMPLOYEE BENEFIT - HEALTH/LIFE	372,405.84	370,908.00	221,091.52	454,831.0
EMPLOYEE BENEFIT - PENSION	127,318.73	170,178.00	86,590.15	188,293.0
UNEMPLOYMENT COMPENSATION	973.58	1,000.00	0.00	1,000.0
EMPLOYEE RECOGNITION	8,830.00	10,410.00	10,338.48	15,325.0
EMPLOYEE BENEFIT - EDUCATION	2,323.40	0.00	1,202.28	5,560.0
Salaries and Benefits To		2,244,945.00	1,221,146.29	2,484,515.0
OFFICE CURRILEC				
OFFICE SUPPLIES	6,727.43	5,250.00	2,980.06	6,100.0
DUES AND SUBSCRIPTIONS	7,488.99	7,029.00	6,789.66	7,971.0
FEES O/T DUES AND SUBSCRIPTIONS	99,356.08	123,382.00	663.74	124,381.0
MAINT AND OPER SUPPLIES	111,232.18	81,300.00	79,753.84	76,300.0
LAB SUPPLIES	33,112.01	34,450.00	21,850.25	48,040.0
PROCESS CHEMICALS AND SUPPLIES	145,448.88	327,525.00	162,805.94	360,489.0
FUEL, OIL, AND LUBRICANTS	54,937.78	74,925.00	30,999.74	82,250.0
INSTRUMENTATION MAINT & SUPPLIES	27,544.56	55,914.00	18,399.47	4,000.0
COMPUTER MAINTENANCE AND SUPPLIES	2,167.23	0.00	0.00	4,500.0
Supplies To	otal: 488,015.14	709,775.00	324,242.70	714,031.0
ENGINEERING	39,519.21	92,527.00	28,596.10	102,527.0
LEGAL SERVICES	586.50	0.00	0.00	0.0
OUTSIDE SERVICES	429,878.32	351,121.00	214,471.76	424,328.0
OTHER PROFESSIONAL SERVICES	23,865.83	28,381.00	11,051.14	28,109.0
COMMUNICATIONS	0.00	150.00	0.00	0.0
INFORMATION TECHNOLOGY SERVICES	218,170.00	400,283.00	300,212.00	433,871.0
TECHNICAL SERVICES AND BASIN PLANNING	79,538.00	81,474.00	61,104.00	97,396.0
COLLECTION SYSTEM GROUP SERVICES	554,226.00	657,700.00	657,700.00	658,013.0
TELEPHONE AND TELEMETRY	8,111.81	6,100.00	0.00	400.0
POSTAGE	180.35	100.00	-62.99	150.0
PRINTING AND BINDING	82.59	230.00	0.00	200.0
INSURANCE	125,488.00	119,294.00	119,294.00	153,219.0
TRAVEL	1,466.45	3,530.00	631.16	440.0
LAUNDRY, UNIF, AND IND. EQUIPMENT	9,943.10	12,860.00	5,976.39	14,825.0
TRAINING	10,557.41	23,717.00	9,366.30	29,826.0
UTILITIES	643,344.83	718,621.00	340,137.98	663,324.0
R&M IMPROVEMENTS O/T BUILDINGS	347.53	5,000.00	0.00	5,000.0
REPAIRS AND MAINTENANCE-EQUIPMENT	58,998.57	27,170.00	26,437.49	40,600.0
REPAIRS AND MAINTENANCE - PLANT	381,616.12	286,200.00	170,312.17	389,958.0
REPAIRS AND MAINTENANCE - VEHICLES	6,469.47	3,950.00	15,357.91	6,575.0
REPAIRS AND MAINTENANCE - VEHICLES REPAIRS AND MAINTENANCE-EMERGENCY	0.00	75,000.00	0.00	150,000.0
	443,195.19			
REPAIRS AND MAINTENANCE - ELECTRICAL	•	202,985.00	149,854.30	351,335.0
BIOSOLIDS DISPOSAL	599,956.50	467,363.00	317,863.05	495,161.0
RENT - MACHINERY & EQUIPMENT	60,164.90	24,500.00	17,236.30	34,200.0
INTERFUND SERVICES AND CHARGES	291,751.99	317,464.00	218,714.46	332,715.0
ADMINISTRATIVE OVERHEAD	520,140.00	627,090.00	627,090.00	743,780.0
OTHER SERVICES & CHARGES CREDIT Services and Charges To	-15,056.06 otal: 4,492,542.61	4 532 810 00	-3,828.20 3,287,515.32	5,155,952.0
	1, 10=,0 1=10 1	4,532,810.00		
MACHINERY & EQUIPMENT	155,085.93	11,105.00	0.00	0.0
Capital Outlays To	otal: 155,085.93	11,105.00	0.00	0.0
DEBT RELATED FEES	7,984.00	10,420.00	300.00	8,810.0
Transfers & Misc To	otal: 7,984.00	10,420.00	300.00	8,810.0

Fiscal Year 2024 Budget

Ten Mile Creek Regiona	l Wastewater System -120600), 120700, 120701			
_	·	<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
LEASE PRINCIPAL PAY	MENT	2,961.00	0.00	1,269.00	0.00
BOND PRINCIPAL PAYN	MENTS - I&S	8,545,000.00	8,860,000.00	0.00	11,105,000.00
INTEREST ON LEASE		189.00	0.00	81.00	0.00
INTEREST ON LONG-TI	ERM DEBT - I&S	4,629,818.49	6,393,594.00	733,363.24	7,070,879.00
	Debt Service Total:	13,177,968.49	15,253,594.00	734,713.24	18,175,879.00
	Debt Service Grand Total:	13,177,968.49	15,253,594.00	734,713.24	18,175,879.00
Ten Mile Creek					
Regional Wastewater System -120600, 120700, 120701	O&M Expense/Debt Service Grand Total:	20,292,177.22	22,762,649.00	5,567,917.55	26,539,187.00

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DENTON CREEK REGIONAL WASTEWATER SYSTEM

Began Service: 1990 Location: Roanoke

Treatment Capacity: 11.5 MGD

FY2024 Budgeted Flow: 9.619 MGD



The Denton Creek Regional Wastewater System, an 11.5 MGD facility, provides regional wastewater transportation* and treatment services to an area of approximately 170 square miles, immediately west of Grapevine Lake in Denton and Tarrant Counties. The treatment plant is located adjacent to and has one discharge outfall to the Cade Branch of Denton Creek. The plant has a second discharge outfall to Whites Branch Creek, located in the Town of Flower Mound. Both creeks enter Grapevine Lake. The plant is located in the city of Roanoke on a plant site of approximately 48 acres and serves all or part of 10 cities and two municipal districts. The system is designed for advanced activated sludge with nitrification and denitrification processes for phosphorus removal, preceded by preliminary treatment and followed by advanced tertiary filtration and ultraviolet (UV) disinfection. A 5.0 million-gallon detention basin was constructed as a sequencing batch reactor to treat additional loadings from the Texas Motor Speedway racetrack. Waste solids from both the conventional treatment system and the detention basin are dewatered through two centrifuge units and disposed of off-site in a municipal landfill.

CUSTOMERS

- Argyle
- Circle T Municipal Utility District No. 1
- Circle T Municipal Utility District No. 3
- Flower Mound
- Fort Worth
- Haslet
- Justin
- Keller
- Northlake
- Roanoke
- Southlake
- Westlake

*Transportation denotes the movement of wastewater through pipes from customer cities to the treatment plant.

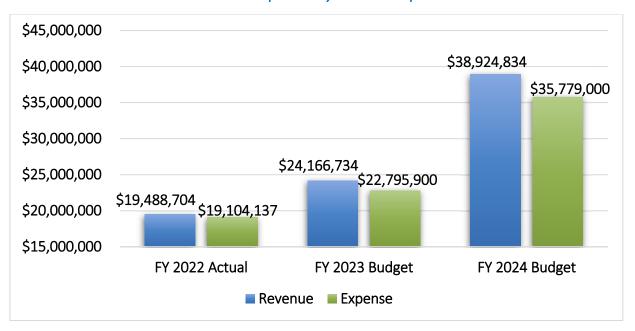
PERFORMANCE MEASURES

DCRWS sets performance measures that are tracked on a quarterly basis throughout the budget year. DCRWS performance goals for FY 2024:

		Performance Measures	FY 2022 Actual	FY 2023 Target	FY 2024 Target
Goal	Goal 2: The Trinity River Authority leverages the full breadth of its powers for the betterment of the basin and organization.	Maintain 100% regulatory			
Strategy	2.1: Proactively advocate and respond to the regulatory environment using TRA's robust data, research and expertise.	compliance with Texas Pollutant Discharge Elimination System.	75%	100%	100%
Initiative	Continue to perform with no permit violations for both Liquids and Solids process streams.				
Goal	Goal 2: The Trinity River Authority leverages the full breadth of its powers for the betterment of the basin and organization.	Operate within target annual average of kilowatt			
Strategy	4.3: Continue to build upon TRA's strong reputation.	hours of electrical usage per million	3,251 kwh	3,387 kwh	4,000 kwh
Initiative	Optimize electrical usage to efficiently provide treatment and disinfection within an acceptable average range.	gallons of treatment at the System plant.			
Goal	Goal 4: The Trinity River Authority stands for excellence in all things.	Produce a yearly average percentage			
Strategy	4.3: Continue to build upon TRA's strong reputation.	weight in tons of dry solids versus wet	21%	25%	25%
Initiative	Optimize Solids Operations to effectively maintain solids output within an average range.	that meets the 10- year average of 25% or less.			
Goal	Goal 1: The Trinity River Authority proactively engages in initiatives that foster a robust talent pipeline.	Maintain 75% of eligible Operations			
Strategy	1.2: Develop clear career pathways for TRA employees.	staff group with certifications or	64%	75%	75%
Initiative	Ensure all employees have a career path at TRA while continuing to prepare for succession planning.	licenses.			

FY 2024 BUDGET SUMMARY

Revenue & Expense by Year Comparison

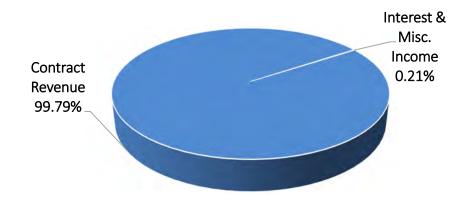


FY 2024 REVENUE BUDGET - SUMMARY

Revenue by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Contract Revenue	\$ 19,554,377	\$ 24,156,734	\$ 38,844,834	60.80%
Interest & Misc. Income	(65,673)	10,000	80,000	700.00%
Total Revenue	\$ 19,488,704	\$ 24,166,734	\$ 38,924,834	61.07%

FY 2024 Revenue Categories

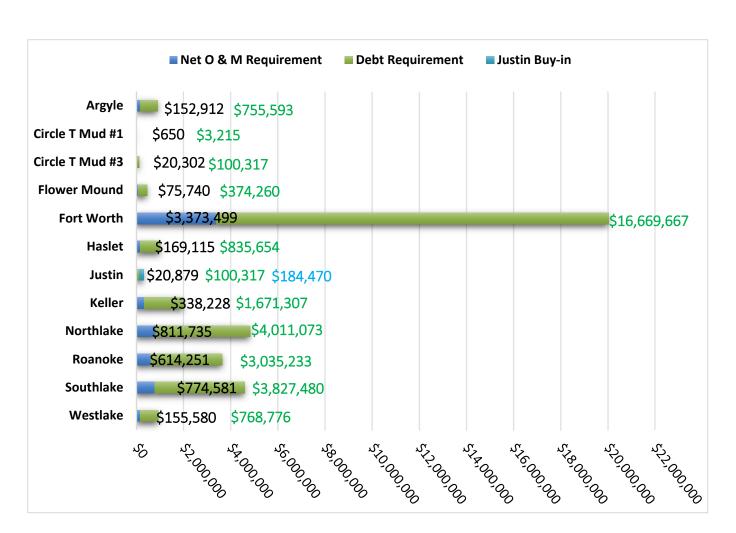


FY 2024 REVENUE BUDGET - SUMMARY (CONTINUED)

FY 2024 Contract Revenue Allocation

Contracting Party	Budgeted Flow (MGD)	Budgeted Flow %	O&M Requirement	Buy-in Justin	Net O&M Requirement	Debt Requirement	Total Revenue
Argyle	0.226	2.350%	\$ 157,261	(\$ 4,349)	\$ 152,912	\$ 755,593	\$ 908,505
Circle T Mud #1	0.001	0.010%	669	(19)	650	3,215	3,865
Circle T Mud #3	0.030	0.312%	20,879	(577)	20,302	100,317	120,619
Flower Mound	0.112	1.164%	77,894	(2,154)	75,740	374,260	450,000
Fort Worth	4.987	51.845%	3,469,437	(95,938)	3,373,499	16,669,667	20,043,166
Haslet	0.250	2.599%	173,924	(4,809)	169,115	835,654	1,004,769
Justin	0.030	0.312%	20,879	184,470	205,349	100,317	305,666
Keller	0.500	5.198%	347,847	(9,619)	338,228	1,671,307	2,009,535
Northlake	1.200	12.475%	834,820	(23,085)	811,735	4,011,073	4,822,808
Roanoke	0.908	9.440%	631,719	(17,468)	614,251	3,035,233	3,649,484
Southlake	1.145	11.904%	796,609	(22,028)	774,581	3,827,480	4,602,061
Westlake	0.230	2.391%	160,004	(4,424)	155,580	768,776	924,356
Total	9.619	100.000%	\$ 6,691,942	\$ -	\$ 6,691,942	\$ 32,152,892	\$ 38,844,834

FY 2024 Revenue Requirement by Contracting Party

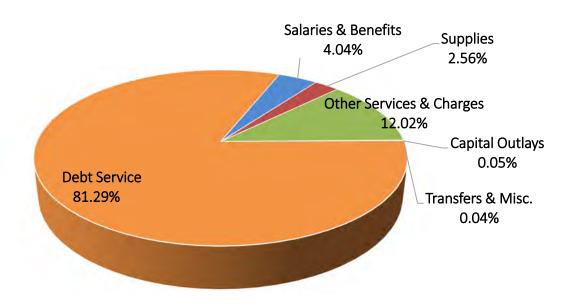


FY 2024 EXPENSE BUDGET - SUMMARY

Expense by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Salaries & Benefits	\$ 1,245,915	\$ 1,354,465	\$ 1,446,416	6.79%
Supplies	437,651	778,618	916,330	17.69%
Other Services & Charges	3,511,099	3,718,204	4,300,507	15.66%
Capital Outlays	46,930	93,830	15,559	(83.42%)
Transfers & Misc.	14,108	17,760	14,600	(17.79%)
Total O&M Expense	5,255,703	5,962,877	6,693,412	12.25%
Debt Service	13,848,434	16,833,023	29,085,588	72.79%
Total Expense	\$ 19,104,137	\$ 22,795,900	\$ 35,779,000	56.95%

FY 2024 Expense Categories



BUDGET HIGHLIGHTS

Salaries & Benefits

- o The budget category reflects an increase related to shift differential pay for employees working the evening and overnight hours in accordance with the Authority's Salary Administration Plan. The budget also reflects an increase in compensated absences for a tenured employee meeting the Rule of 80.
- o For FY24, health insurance expense is projected to increase related to an increase in insurance premiums.

BUDGET HIGHLIGHTS (CONTINUED)

Supplies Supplies

o Reflects an increase in unit costs and usage of chemicals such as Aluminum Sulfate and Polymer.

Other Services & Charges

- o Increase related to engineering services for permit amendments related to the Plant expansion.
- o Increases related to Repair and Maintenance-Electrical to replace aging programmable logic controllers utilized in the plant processes; service plant switchgear equipment and replace UV bulbs.
- o Increase related to rental of cranes and heavy equipment utilized at the plant.
- o Increase related to allocated costs for information technology and administrative overhead.

Capital Outlays

o Reflects a decrease for machinery and equipment but the budget does include expenses related to a new spectrophotometer for wastewater analysis and a replacement twenty-foot trailer for transporting large equipment during facility repairs.

Debt Service

o Includes the debt service needs of the \$151,305,000 current outstanding debt, a \$76,475,000 planned bond issuance to fund the FY 2023 Capital Improvement Program, and a \$215,975,000 planned bond issuance to fund the FY2024 Capital Improvement Program.

STAFFING SUMMARY

DCRWS is managed by one Project Manager who is responsible for all aspects of the facility. DCRWS employs 16 full time employees, which are divided into the following areas of responsibility: Administration, Operations, and Maintenance. No new positions are requested in the FY 2024 budget.

	FY 2022	FY 2023	FY 2024	FY23-24
	Budget	Budget	Budget	Change
Full-time	16	16	16	-

FY 2024 FLOW DATA & COST PER 1,000/GAL PROJECTION

The cost per 1,000/gallon rate is based on contracting party projected flows. FY 2024 cost per 1,000/gallon rate is \$11.034 based on a projected flow of 9.619 MGD. This flow is a 1.649% increase over the FY 2023 budgeted flow of 9.463 MGD

Budgeted Flow Comparison

Contracting Party	FY 2022 Actual Flow (MGD)	FY 2022 Actual Flow %	FY 2023 Budgeted Flow (MGD)	FY 2023 Budgeted Flow %	FY 2024 Budgeted Flow (MGD)	FY 2024 Budgeted Flow %
Argyle	0.126	1.431%	0.201	2.124%	0.226	2.350%
Circle T Mud #1	0.001	0.011%	0.001	0.011%	0.001	0.010%
Circle T Mud #3	0.030	0.340%	0.030	0.317%	0.030	0.312%
Flower Mound	0.103	1.169%	0.112	1.184%	0.112	1.164%
Fort Worth	4.999	56.755%	4.979	52.614%	4.987	51.845%
Haslet	0.265	3.009%	0.250	2.642%	0.250	2.599%
Justin	n/a	n/a	0.030	0.317%	0.030	0.312%
Keller	0.319	3.622%	0.700	7.397%	0.500	5.198%
Northlake	0.797	9.049%	1.000	10.567%	1.200	12.475%
Roanoke	0.857	9.730%	0.840	8.877%	0.908	9.440%
Southlake	1.110	12.602%	1.090	11.519%	1.145	11.904%
Westlake	0.201	2.282%	0.230	2.431%	0.230	2.391%
Total	8.808	100.000%	9.463	100.000%	9.619	100.000%

The projected flows were used to develop the FY 2024 O&M expense budget and to allocate the revenue requirement. Anticipated flows are also considered in the development of the Capital Improvement Program budget.





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Fiscal Year 2024 Budget

		<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	2024 Budge
evenue					
****	JUSTIN BUY IN CREDIT - ARGYLE	0.00	-2,777.00	-2,777.00	-4,349.00
****	CONT. REV ARGYLE-CASH	279,823.14	513,089.00	385,520.00	912,854.00
****	JUSTIN BUY IN CREDIT - CIRCLE T MUD #	0.00	-14.00	-14.00	-19.00
****	CONT. REV CIRCLE T MUD #1-CASH	2,150.98	2,657.00	2,657.00	3,884.0
****	JUSTIN BUY IN CREDIT - CIRCLE T MUD #	0.00	-415.00	-415.00	-577.0
****	CONT. REV CIRCLE T MUD #3-CASH	66,484.88	76,577.00	76,577.00	121,196.0
****	JUSTIN BUY IN CREDIT - FLOWER MOUN	0.00	-1,548.00	-1,548.00	-2,154.0
****	CONT. REV FLOWER MOUND-CASH	228,590.67	286,016.00	214,902.00	452,154.0
****	JUSTIN BUY IN CREDIT - FORT WORTH	0.00	-68,798.00	-68,798.00	-95,938.0
****	CONT. REV FORT WORTH-CASH	11,096,315.92	12,709,824.00	9,549,569.00	20,139,104.0
****	JUSTIN BUY IN CREDIT - HASLET	0.00	-3,455.00	-3,455.00	-4,809.0
****	CONT. REV HASLET-CASH	588,391.22	638,221.00	479,528.00	1,009,578.0
****	BUY IN COLLECTIONS - JUSTIN	0.00	130,345.00	130,345.00	184,470.0
****	CONT. REV JUSTIN-CASH	0.00	76,577.00	57,429.00	121,196.0
****	JUSTIN BUY IN CREDIT - KELLER	0.00	-9,672.00	-9,672.00	-9,619.0
****	CONT. REV KELLER-CASH	708,259.55	1,786,874.00	1,342,572.00	2,019,154.0
****	JUSTIN BUY IN CREDIT - NORTHLAKE	0.00	-13,817.00	-13,817.00	-23,085.0
****	CONT. REV NORTHLAKE-CASH	1,771,246.59	2,552,642.00	1,917,938.00	4,845,893.0
****	JUSTIN BUY IN CREDIT - ROANOKE	0.00	-11,608.00	-11,608.00	-17,468.0
****	CONT. REV ROANOKE-CASH	1,902,640.93	2,144,393.00	1,611,205.00	3,666,952.0
****	JUSTIN BUY IN CREDIT - SOUTHLAKE	0.00	-15,062.00	-15,062.00	-22,028.0
****	CONT. REV SOUTHLAKE-CASH	2,464,242.65	2,782,614.00	2,090,732.00	4,624,089.0
****	JUSTIN BUY IN CREDIT - WESTLAKE	0.00	-3,179.00	-3,179.00	-4,424.0
****	CONT. REV WESTLAKE-CASH	446,230.89	587,250.00	441,236.00	928,780.0
	Contract Revenue Total:	19,554,377.42	24,156,734.00	18,169,865.00	38,844,834.0
CON	TRIBUTIONS	0.00	0.00	1,955,176.00	0.0
	REST INCOME	-65,673.40	10,000.00	369,543.59	80,000.0
SALE	OF CAPITAL ASSETS	0.00	0.00	2,497.50	0.0
MISC	ELLANEOUS INCOME	0.00	0.00	982.39	0.0
	Miscellaneous Income Total:	-65,673.40	10,000.00	2,328,199.48	80,000.00
-117	Creek Regional ewater System Revenue Grand Total: '600, 117601, '700, 117701	19,488,704.02	24,166,734.00	20,498,064.48	38,924,834.00

Fiscal Year 2024 Budget

	<u>2022</u> Actual	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>20:</u> Budg
M Expense/Debt Service	Actual		<u>01700/2020</u>	<u> Duug</u>
·				
SALARIES	852,789.13	956,223.00	481,324.09	995,743.
PAYROLL TAXES-FICA	63,264.52	73,151.00	36,010.90	75,562.
EMPLOYEE BENEFIT - HEALTH/LIFE	238,940.49	207,306.00	121,969.00	257,548
EMPLOYEE BENEFIT - PENSION	79,770.44	107,020.00	42,974.92	110,493
UNEMPLOYMENT COMPENSATION	4,263.31	500.00	0.00	500
EMPLOYEE RECOGNITION	6,590.00	8,365.00	8,840.42	6,570
EMPLOYEE BENEFIT - EDUCATION Salaries and Benefits Total:	<u>297.58</u> 1,245,915.47	1,900.00 1,354,465.00	0.00 691,119.33	1,446,416
OFFICE CURRUES			·	
OFFICE SUPPLIES	3,525.60	3,635.00	4,434.87	3,935
DUES AND SUBSCRIPTIONS	3,915.29	4,181.00	32,960.41	4,290
FEES O/T DUES AND SUBSCRIPTIONS	47,267.67	63,291.00	1,315.75	63,735
MAINT AND OPER SUPPLIES LAB SUPPLIES	16,699.77	12,526.00	11,285.87	17,864 40,495
PROCESS CHEMICALS AND SUPPLIES	42,667.35 293,461.61	34,865.00 628 649 00	29,415.83 312,584.52	746,216
FUEL, OIL, AND LUBRICANTS	293,461.61	628,619.00 26,474.00	8,576.11	27,268
INSTRUMENTATION MAINT & SUPPLIES	0.00	5,027.00	0.00	5,027
COMPUTER MAINTENANCE AND SUPPLIES	7,323.18	0.00	4,006.97	7,500
Supplies Total:	437,650.57	778,618.00	404,580.33	916,330
ENGINEERING	36,847.36	126,259.00	41,193.27	196,259
LEGAL SERVICES	1,719.00	2,000.00	0.00	2,000
OUTSIDE SERVICES	129,668.77	173,695.00	89,113.71	185,891
OTHER PROFESSIONAL SERVICES	13,467.39	15,896.00	9,302.68	16,280
INFORMATION TECHNOLOGY SERVICES	163,280.00	253,475.00	190,106.00	315,466
TECHNICAL SERVICES AND BASIN PLANNING	49,184.00	49,776.00	37,332.00	56,861
COLLECTION SYSTEM GROUP SERVICES	314,069.00	376,731.00	376,731.00	377,375
TELEPHONE AND TELEMETRY	5,109.49	285.00	119.99	0
POSTAGE	520.29	810.00	869.65	595
PRINTING AND BINDING	57.73	144.00	120.28	130
INSURANCE	89,582.00	105,819.00	105,819.00	118,016
TRAVEL	2,090.95	3,914.00	0.00	2,091
LAUNDRY, UNIF, AND IND. EQUIPMENT	10,084.34	8,182.00	6,974.67	10,000
TRAINING	5,771.10	6,635.00	1,536.25	14,105
UTILITIES	551,426.41	554,492.00	367,691.46	585,923
R&M IMPROVEMENTS O/T BUILDINGS	452.43	750.00	26.09	750
REPAIRS AND MAINTENANCE-EQUIPMENT	10,780.86	23,955.00	16,822.74	22,820
REPAIRS AND MAINTENANCE - PLANT	418,162.18	271,124.00	353,798.31	306,768
REPAIRS AND MAINTENANCE - VEHICLES	4,227.92	3,425.00	4,829.39	3,600
REPAIRS AND MAINTENANCE-EMERGENCY	151,099.78	40,000.00	0.00	50,000
REPAIRS AND MAINTENANCE - ELECTRICAL	256,902.40	223,947.00	165,934.45	362,473
BIOSOLIDS DISPOSAL	683,754.40	823,645.00	437,740.31	852,160
RENT - MACHINERY & EQUIPMENT	56,867.30	40,576.00	28,370.47	61,292
INTERFUND SERVICES AND CHARGES	228,943.79	220,959.00	139,362.18	302,472
ADMINISTRATIVE OVERHEAD Services and Charges Total:	327,030.00 3,511,098.89	391,710.00 3,718,204.00	391,710.00 2,765,503.90	457,180
MACHINERY & EQUIPMENT		, ,	81,948.39	, ,
Capital Outlays Total:	46,929.76 46,929.76	93,830.00 93,830.00	81,948.39	15,559 15,559
DEBT RELATED FEES	14,108.00	17,760.00	900.00	14,600
REFUNDS TO CONTRACTING PARTIES	0.00	0.00	1,955,176.00	14,000
Transfers & Misc Total:	14,108.00	17,760.00	1,956,076.00	14,600

Fiscal Year 2024 Budget

Denton Creek Regional Wastewater System -117600, 117601, 117700, 117701									
		<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>				
LEASE PRINCIPAL PAYMENT		5,691.00	0.00	0.00	0.00				
BOND PRINCIPAL PAYMENTS - I&S		8,285,000.00	8,660,000.00	8,660,000.00	10,305,000.00				
INTEREST ON LEASE		373.00	0.00	0.00	0.00				
INTEREST ON LONG-TERM DEBT - I&S		5,557,370.45	8,173,023.00	1,045,587.59	18,780,588.00				
Debt Service Total:		13,848,434.45	16,833,023.00	9,705,587.59	29,085,588.00				
	Debt Service Grand Total:	13,848,434.45	16,833,023.00	9,705,587.59	29,085,588.00				
Denton Creek Regional Wastewater System -117600, 117601, 117700, 117701	O&M Expense/Debt Service Grand Total:	19,104,137.14	22,795,900.00	15,604,815.54	35,779,000.00				

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RED OAK CREEK REGIONAL WASTEWATER SYSTEM

Began Service: 1991 Location: Waxahachie

Treatment Capacity: 6.0 MGD

FY2024 Budgeted Flow: 4.566 MGD



The Red Oak Creek Regional Wastewater System is a 6.0 MGD treatment plant located immediately southeast of the city of Red Oak on Bells Chapel Road. The facility provides wastewater transportation* and treatment services for all or portions of six cities. The plant is a biological treatment plant utilizing an activated sludge process, and advanced tertiary filtration. Disinfection of the treated wastewater is achieved through ultraviolet (UV) disinfection. The waste solids are dewatered through two centrifuge units and disposed of off-site in a landfill.

CUSTOMERS

Cedar Hill

DeSoto

Glenn Heights

Lancaster

Ovilla

Red Oak

*Transportation denotes the movement of wastewater through pipes from customer cities to the treatment plant.

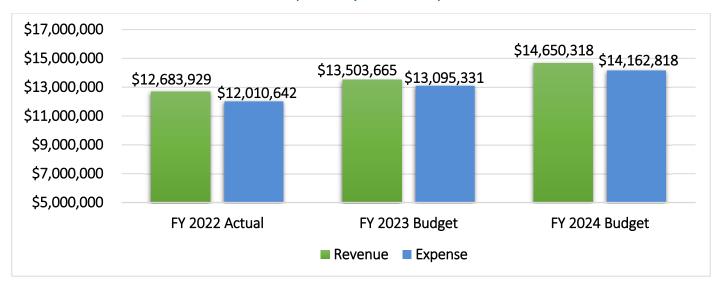
PERFORMANCE MEASURES

ROCRWS sets performance measures that are tracked on a quarterly basis throughout the budget year. ROCRWS performance goals for FY 2024:

		Performance Measures	FY 2022 Actual	FY 2023 Target	FY 2024 Target
Goal	Goal 2: The Trinity River Authority leverages the full breadth of its powers for the betterment of the basin and organization.	Maintain 100% regulatory	100%	100%	100%
Strategy	2.1: Proactively advocate and respond to the regulatory environment using TRA's robust data, research and expertise.	compliance with Texas Pollutant Discharge Elimination System.			
Initiative	Continue to perform with no permit violations for both Liquids and Solids process streams.				
Goal	Goal 2: The Trinity River Authority leverages the full breadth of its powers for the betterment of the basin and organization.	Operate with target annual average of kilowatt hours of	2,893 kwh	3,500 kwh	3,000 kwh
Strategy	4.3: Continue to build upon TRA's strong reputation.	electrical usage per million gallons of			
Initiative	Optimize electrical usage to efficiently provide treatment and disinfection within an acceptable average range.	treatment at the System plant.			
Goal	Goal 4: The Trinity River Authority stands for excellence in all things.	Produce a yearly average percentage	20%	21%	20%
Strategy	4.3: Continue to build upon TRA's strong reputation.	weight in tons of dry solids versus wet			
Initiative	Optimize Solids Operations to effectively maintain solids output within an average range.	that meets the 10- year average of 21%.			
Goal	Goal 1: The Trinity River Authority proactively engages in initiatives that foster a robust talent pipeline.	Maintain 75% of	100%	75%	75%
Strategy	1.2: Develop clear career pathways for TRA employees.	eligible Operations staff group with certifications or			
Initiative	Ensure all employees have a career path at TRA while continuing to prepare for succession planning.	licenses.			

FY 2024 BUDGET SUMMARY

Revenue & Expense by Year Comparison



FY 2024 REVENUE BUDGET - SUMMARY

Revenue by Year

	FY 2022	FY 2023	FY 2024	%
	Actual	Budget	Budget	Change
Contract Revenue	\$ 12,743,204	\$ 13,492,415	\$ 14,560,318	7.91%
Interest & Misc. Income	(59,275)	11,250	90,000	700.00%
Total Revenue	\$ 12,683,929	\$ 13,503,665	\$ 14,650,318	8.49%

FY 2024 Revenue Categories

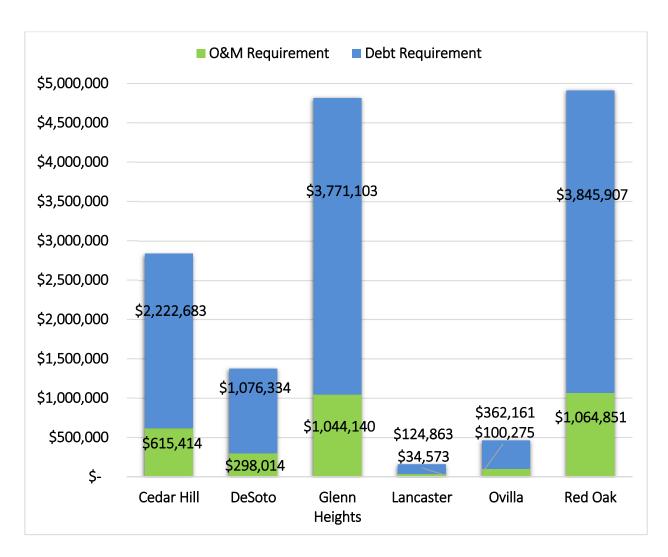


FY 2024 REVENUE BUDGET - SUMMARY (CONTINUED)

FY 2024 Contract Revenue Allocation

Contracting	Budgeted	Budgeted	O&M	Debt	Total
Party	Flow (MGD)	Flow %	Requirement	Requirement	Revenue
Cedar Hill	0.890	19.492%	\$ 615,414	\$ 2,222,683	\$ 2,838,097
DeSoto	0.431	9.439%	298,014	1,076,334	1,374,348
Glenn Heights	1.510	33.071%	1,044,140	3,771,103	4,815,243
Lancaster	0.050	1.095%	34,573	124,863	159,436
Ovilla	0.145	3.176%	100,275	362,161	462,436
Red Oak	1.540	33.727%	1,064,851	3,845,907	4,910,758
Tota	4.566	100.000%	\$ 3,157,267	\$ 11,403,051	\$ 14,560,318

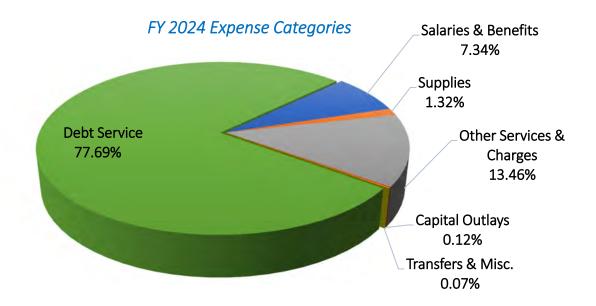
FY 2024 Revenue Requirement by Contracting Party



FY 2024 EXPENSE BUDGET - SUMMARY

Expense by Year

	FY 2022	FY 2023	FY 2024	%
	Actual	Budget	Budget	Change
Salaries & Benefits	\$ 836,161	\$ 908,260	\$ 1,039,643	14.47%
Supplies	146,617	174,484	186,764	7.04%
Other Services & Charges	1,519,667	1,821,354	1,905,732	4.63%
Capital Outlays	47,471	-	16,458	100.00%
Transfers & Misc.	11,647	11,690	11,670	(0.17%)
Total O&M Expense	2,561,563	2,915,788	3,160,267	8.38%
Debt Service	9,449,079	10,179,543	11,002,551	8.08%
Total Expense	\$ 12,010,642	\$ 13,095,331	\$ 14,162,818	8.15%



BUDGET HIGHLIGHTS

Salaries & Benefits

- o Salaries expenses reflects an increase related to merit and progressions and shift differential pay for employees working the evening and overnight hours in accordance with the Authority's Salary Administration Plan.
- o For FY24, health insurance expense is projected to increase related to premium rates.

BUDGET HIGHLIGHTS (CONTINUED)

Supplies Supplies

o Process chemicals expense reflects an increase in bid unit costs for polymer utilized in the treatment process.

Other Services & Charges

- o Engineering services expenses reflects a decrease related to permit assistance completed in the prior year.
- o Repair and maintenance plant expense is budgeted to increase for anticipated costs to rebuild and replace pumps including a centrifugal pump and return activated sludge pumps.
- o Interfund services expenses related to biomonitoring, analysis/monitoring, pretreatment for special industrial users and engineering support services are anticipated to increase during the fiscal year.
- o The System also anticipates an increase in allocated expenses for information technology, technical services and basin planning services and administrative overhead.

Capital Outlays

o Machinery and equipment expense is budgeted to increase for the purchase of a new electric utility cart and a replacement spectrophotometer.

Debt Service

o Includes debt service expense for \$100,685,000 of current outstanding debt, with no planned bond issuance for FY 2023, and a planned bond issuance of \$11,850,000 to fund the FY 2024 Capital Improvement Program.

STAFFING SUMMARY

ROCRWS is managed by one Project Manager responsible for all aspects of the facility. ROCRWS employs 9.5 full time employees (half a position is shared with the Mountain Creek Regional Wastewater System). The employees are divided into the following areas of responsibility: Administration, Operations, and Maintenance. No new positions are included in the FY 2024 budget.

	FY 2022	FY 2023	FY 2024	FY23-24
	Budget	Budget	Budget	Change
Full-time	8.5	9.5	9.5	-

FY 2024 FLOW DATA & COST PER 1,000/GAL PROJECTION

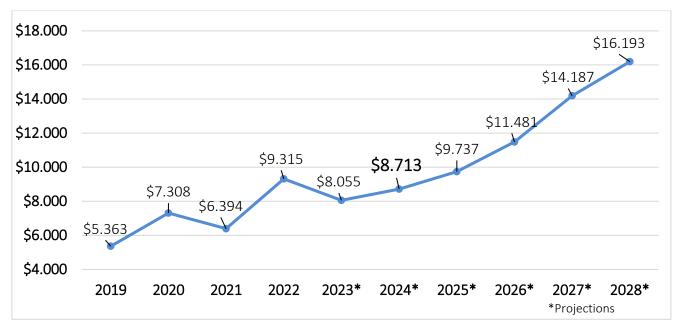
The cost per 1,000/gallon rate is based on contracting party projected flows. FY 2024 cost per 1,000/gallon rate is \$8.713 based on a projected flow of 4.566 MGD. This flow is a 0.50% decrease from the FY 2023 budgeted flow of 4.589 MGD.

Budgeted			
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	FY 2022	FY 2022	FY 2023	FY 2023	FY 2024	FY 2024
	Actual	Actual	Budgeted	Budgeted	Budgeted	Budgeted
Contracting	Flow	Flow	Flow	Flow	Flow	Flow
Party	(MGD)	%	(MGD)	%	(MGD)	%
Cedar Hill	0.649	17.316%	0.910	19.830%	0.890	19.492%
DeSoto	0.349	9.311%	0.460	10.024%	0.431	9.439%
Glenn Heights	1.401	37.380%	1.470	32.033%	1.510	33.071%
Lancaster	0.050	1.334%	0.050	1.090%	0.050	1.095%
Ovilla	0.064	1.708%	0.159	3.465%	0.145	3.176%
Red Oak	1.235	32.951%	1.540	33.558%	1.540	33.727%
Total	3.748	100.00%	4.589	100.000%	4.566	100.000%

The projected flows were used to develop the FY 2024 O&M expense budget and to allocate the revenue requirement. Anticipated flows are also considered in the development of the Capital Improvement Program budget.

Cost/1,000 gallons



Fiscal Year 2024 Budget

Red Oal	k Creek Regional Wastewater System - 12160	0. 121700. 121701			
		2022 Actual	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
Revenue					
***	CONT. REV CEDAR HILL-CASH	2,206,613.28	2,675,546.00	2,006,667.00	2,838,097.00
****	CONT. REV DESOTO-CASH	1,186,519.76	1,352,480.00	1,014,363.00	1,374,348.00
****	CONT. REV GLENN HEIGHTS-CASH	4,763,409.81	4,322,024.00	3,241,521.00	4,815,243.00
****	CONT. REV LANCASTER-CASH	169,994.35	147,067.00	110,304.00	159,436.00
****	CONT. REV OVILLA - CASH	217,653.93	467,513.00	350,640.00	462,436.00
****	CONT. REV RED OAK-CASH	4,199,013.29	4,527,785.00	3,395,835.00	4,910,758.00
	Contract Revenue Total:	12,743,204.42	13,492,415.00	10,119,330.00	14,560,318.00
INTE	REST INCOME	-59,606.72	11,250.00	239,524.09	90,000.00
SALE	OF CAPITAL ASSETS	0.00	0.00	7,400.00	0.00
MISC	ELLANEOUS INCOME	331.54	0.00	0.00	0.00
	Miscellaneous Income Total:	-59,275.18	11,250.00	246,924.09	90,000.00
Region Syst	d Oak Creek nal Wastewater Revenue Grand Total: tem - 121600, 1700, 121701	12,683,929.24	13,503,665.00	10,366,254.09	14,650,318.00

Fiscal Year 2024 Budget

Ped Oak Creek Benjamel Westernston Creetons 42400	0 404700 404704			
Red Oak Creek Regional Wastewater System - 12160	0, 121700, 121701 2022	2023	2023 YTD as of	2024
	Actual	Budget	07/05/2023	Budget
O&M Expense/Debt Service				
SALARIES	592,624.43	652,856.00	344,473.71	724,833.00
PAYROLL TAXES-FICA	43,816.46	49,943.00	26,435.11	55,144.00
EMPLOYEE BENEFIT - HEALTH/LIFE	126,156.52	123,108.00	69,685.60	165,069.00
EMPLOYEE BENEFIT - PENSION	60,968.82	69,208.00	34,545.19	79,382.00
UNEMPLOYMENT COMPENSATION	0.00	1,000.00	0.00	1,000.00
EMPLOYEE RECOGNITION	12,595.00	12,145.00	10,692.50	14,215.00
Salaries and Benefits Total:	836,161.23	908,260.00	485,832.11	1,039,643.00
OFFICE SUPPLIES	1,669.97	2,490.00	1,450.16	2,275.00
DUES AND SUBSCRIPTIONS	2,025.08	2,128.00	1,618.22	2,612.00
FEES O/T DUES AND SUBSCRIPTIONS	27,628.45	37,324.00	722.00	37,324.00
MAINT AND OPER SUPPLIES	8,266.82	6,711.00	7,569.93	7,300.00
LAB SUPPLIES	14,843.08	22,606.00	18,734.54	20,458.00
PROCESS CHEMICALS AND SUPPLIES	79,743.81	87,124.00	58,724.70	102,704.00
FUEL, OIL, AND LUBRICANTS	4,241.55	11,695.00	1,963.14	12,335.00
INSTRUMENTATION MAINT & SUPPLIES	5,476.63	4,300.00	1,564.77	0.00
COMPUTER MAINTENANCE AND SUPPLIES	2,721.93	106.00	0.00	1,756.00
Supplies Total:	146,617.32	174,484.00	92,347.46	186,764.00
ENCINEEDING	•	·	•	•
ENGINEERING	50,682.36	122,637.00	11,460.75	52,637.00
OUTSIDE SERVICES	100,442.13	124,295.00	47,873.75	129,531.00
OTHER PROFESSIONAL SERVICES	6,254.72	6,621.00	4,832.71	6,697.00
COMMUNICATIONS	6,497.60	6,313.00	0.00	0.00
INFORMATION TECHNOLOGY SERVICES	108,390.00	178,397.00	133,799.00	187,674.00
TECHNICAL SERVICES AND BASIN PLANNING	34,379.00	33,343.00	25,006.00	39,505.00
COLLECTION SYSTEM GROUP SERVICES	183,209.00	212,391.00	212,391.00	212,699.00
TELEPHONE AND TELEMETRY	4,924.10	5,818.00	99.90	418.00
POSTAGE	74.20	180.00	342.06	50.00
PRINTING AND BINDING	0.00	24.00	0.00	24.00
INSURANCE	62,698.00	59,074.00	59,074.00	64,449.00
TRAVEL	1,650.58	1,062.00	1,997.75	2,064.00
LAUNDRY, UNIF, AND IND. EQUIPMENT	3,460.95	3,198.00	1,725.27	3,231.00
TRAINING	1,872.97	3,520.00	1,111.25	3,615.00
UTILITIES	266,684.65	256,049.00	126,862.77	242,249.00
REPAIRS AND MAINTENANCE-EQUIPMENT	9,879.11	4,729.00	3,698.60	4,578.00
REPAIRS AND MAINTENANCE - PLANT	125,856.23	111,060.00	51,399.30	146,127.00
REPAIRS AND MAINTENANCE - VEHICLES	3,328.77	1,700.00	448.81	1,750.00
REPAIRS AND MAINTENANCE-EMERGENCY	1,469.00	50,000.00	0.00	50,000.00
REPAIRS AND MAINTENANCE - ELECTRICAL	33,989.90	47,600.00	19,147.45	53,450.00
BIOSOLIDS DISPOSAL	175,024.59	187,827.00	98,681.84	190,073.00
RENT - MACHINERY & EQUIPMENT	3,556.39	1,140.00	100.11	1,170.00
INTERFUND SERVICES AND CHARGES	112,952.82	136,026.00	86,915.56	214,061.00
ADMINISTRATIVE OVERHEAD	222,390.00	268,350.00	268,350.00	299,680.00
Services and Charges Total:	1,519,667.07	1,821,354.00	1,155,317.88	1,905,732.00
MACHINERY & EQUIPMENT	47,471.37	0.00	0.00	16,458.00
Capital Outlays Total:	47,471.37	0.00	0.00	16,458.00
DEBT RELATED FEES	11,661.00	11,690.00	900.00	11,670.00
DEBT ISSUANCE COSTS	-14.54	0.00	0.00	0.00
MISCELLANEOUS EXPENSES	0.00	0.00	-353.50	0.00
Transfers & Misc Total:	11,646.46	11,690.00	546.50	11,670.00
O&M Expense Grand Total:	2,561,563.45	2,915,788.00	1,734,043.95	3,160,267.00

Fiscal Year 2024 Budget

Red Oak Creek Regiona	al Wastewater System - 12160	0, 121700, 121701			
		<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
LEASE PRINCIPAL PAYI BOND PRINCIPAL PAYI INTEREST ON LEASE INTEREST ON LONG-TI	MENTS - I&S	2,961.00 4,995,000.00 189.00 4,450,929.02	0.00 5,765,000.00 0.00 4,414,543.00	1,269.00 5,765,000.00 81.00 770,001.80	0.00 6,255,000.00 0.00 4,747,551.00
	Debt Service Total:	9,449,079.02	10,179,543.00	6,536,351.80	11,002,551.00
	Debt Service Grand Total:	9,449,079.02	10,179,543.00	6,536,351.80	11,002,551.00
Red Oak Creek Regional Wastewater System - 121600, 121700, 121701	O&M Expense/Debt Service Grand Total:	12,010,642.47	13,095,331.00	8,270,395.75	14,162,818.00

MOUNTAIN CREEK REGIONAL WASTEWATER SYSTEM

Began Service: 2005 Location: Midlothian

Treatment Capacity: 4.5 MGD

FY2024 Budgeted Flow: 3.391 MGD



The Mountain Creek Regional Wastewater System provides regional wastewater transportation* and treatment services for all or portions of four cities. The system includes a 4.5 MGD treatment plant located in the city of Midlothian, as well as a lift station, force mains, gravity wastewater pipelines, and metering facilities. The Authority owns, operates, and maintains the regional pipeline facilities and the biological treatment plant utilizing an activated sludge process, and advanced tertiary filtration. Disinfection of the treated wastewater is achieved through exposure to ultraviolet lamps. The waste solids are dewatered through a belt press unit and disposed of offsite in a landfill.

Growth in the MCRWS customer base necessitated adding a 7.0 MGD peak flow storage basin and a 6.0 MGD expansion, which is in the construction phase.

CUSTOMERS

- Grand Prairie
- Mansfield
- Midlothian
- Venus

^{*}Transportation denotes the movement of wastewater through pipes from customer cities to the treatment plant.

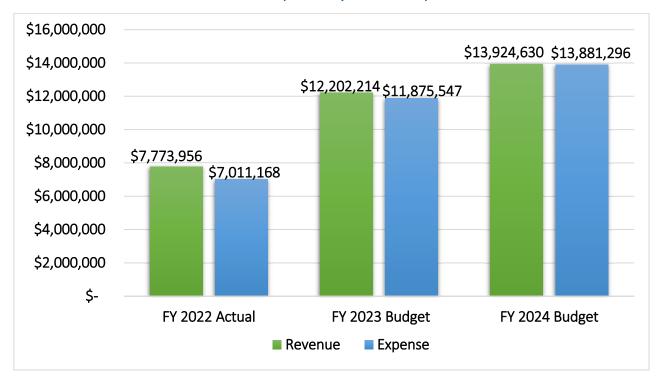
PERFORMANCE MEASURES

MCRWS sets performance measures that are tracked on a quarterly basis throughout the budget year. MCRWS performance goals for FY 2024:

		Performance Measures	FY 2022 Actual	FY 2023 Target	FY 2024 Target
Goal	Goal 2: The Trinity River Authority leverages the full breadth of its powers for the betterment of the basin and organization.	Maintain 100% regulatory			
Strategy	2.1: Proactively advocate and respond to the regulatory environment using TRA's robust data, research and expertise.	compliance with Texas Pollutant Discharge Elimination System.	100%	100%	100%
Initiative	Continue to perform with no permit violations for both Liquids and Solids process streams.				
Goal	Goal 2: The Trinity River Authority leverages the full breadth of its powers for the betterment of the basin and organization.	Operate within target annual average of kilowatt			
Strategy	4.3: Continue to build upon TRA's strong reputation.	hours of electrical usage per million	4,115 kwh	5,000 kwh	4,500 kwh
Initiative	Optimize electrical usage to efficiently provide treatment and disinfection within an acceptable average range.	gallons of treatment at the System plant.			
Goal	Goal 4: The Trinity River Authority stands for excellence in all things.	Produce a yearly average percentage			
Strategy	4.3: Continue to build upon TRA's strong reputation.	weight in tons of dry solids versus wet	19%	19%	19%
Initiative	Optimize Solids Operations to effectively maintain solids output within an average range.	that meets the 10- year average of 19%.			
Goal	Goal 1: The Trinity River Authority proactively engages in initiatives that foster a robust talent pipeline.	Maintain 75% of eligible Operations	81%	75%	
Strategy	1.2: Develop clear career pathways for TRA employees.	staff group with certifications or			100%
Initiative	Ensure all employees have a career path at TRA while continuing to prepare for succession planning.	licenses.			

FY 2024 BUDGET SUMMARY



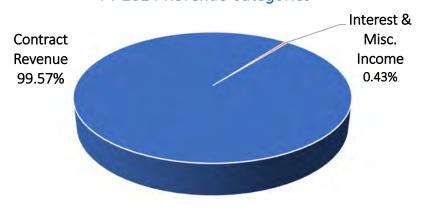


FY 2024 REVENUE BUDGET - SUMMARY

Revenue by Year

	FY 2022	FY 2023	FY 2024	%
	Actual	Budget	Budget	Change
Contract Revenue	\$7,809,015	\$ 12,195,964	\$ 13,864,630	13.68%
Interest & Misc. Income	(35,059)	6,250	60,000	860.00%
Total Revenue	\$ 7,773,956	\$ 12,202,214	\$ 13,924,630	14.12%

FY 2024 Revenue Categories



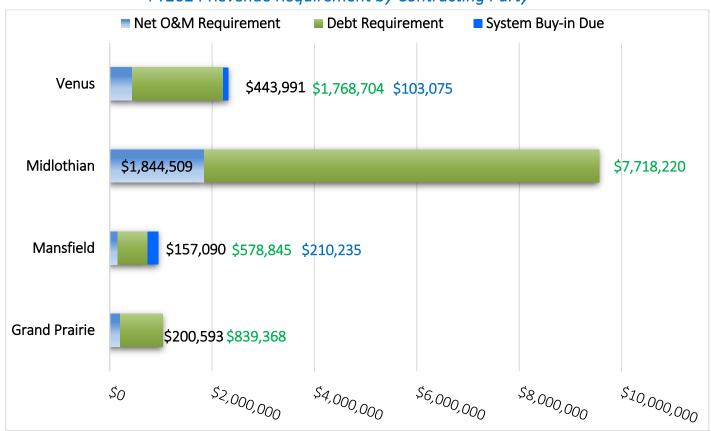
FY 2024 REVENUE BUDGET - SUMMARY (CONTINUED)

FY 2024 Contract Revenue Allocation

Contracting Party	Budgeted Flow (MGD)	Budgeted Flow %
Grand Prairie	0.261	7.697%
Mansfield	0.180	5.308%
Midlothian	2.400	70.776%
Venus	0.550	16.219%
Total	3.391	100.000%

	Grand Prairie		1	Mansfield	Midlothian	Venus		Total
O&M Requirement	\$	227,792	\$	157,090	\$2,094,611	\$	480,000	\$ 2,959,493
Buy-in Credit - Venus		(10,110)		-	(92,965)		-	(103,075)
Buy-in Credit - Mansfield		(17,089)		-	(157,137)		(36,009)	(210,235)
Net O&M Requirement		200,593		157,090	1,844,509		443,991	2,646,183
Debt Requirement		839,368		578,845	7,718,220		1,768,704	10,905,137
System Buy-in Due		-		210,235	_		103,075	313,310
Total	\$	1,039,961	\$	946,170	\$9,562,729	\$	2,315,770	\$ 13,864,630

FY2024 Revenue Requirement by Contracting Party

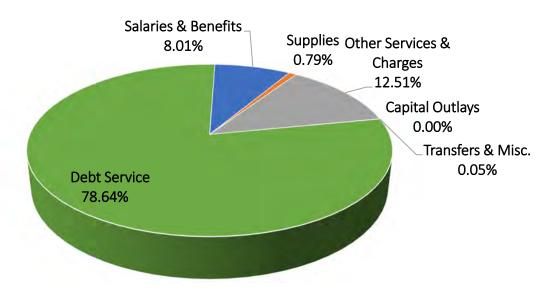


FY 2024 EXPENSE BUDGET - SUMMARY

Expense by Year

	FY 2022 Actual		FY 2023 Budget		FY 2024 Budget	% Change
Salaries & Benefits	\$	823,966	\$ 912,630	\$	1,111,410	21.78%
Supplies		87,760	92,437		109,517	18.48%
Other Services & Charges		1,160,573	1,389,228		1,737,216	25.05%
Capital Outlays		-	-		-	0.00%
Transfers & Misc.		6,948	7,730		7,350	(4.92%)
Total O&M Expense		2,079,247	2,402,025		2,965,493	23.46%
Debt Service		4,931,921	9,473,522		10,915,803	15.22%
Total Expense	\$	7,011,168	\$ 11,875,547	\$	13,881,296	16.89%

FY 2024 Expense Categories



BUDGET HIGHLIGHTS

Salaries & Benefits

- o Salaries expense reflects an increase related to merit and progressions and shift differential pay for employees working the evening and overnight hours in accordance with the Authority's Salary Administration Plan.
- o Health insurance expense is projected to increase related to premium rates and employee selected coverage.

BUDGET HIGHLIGHTS (CONTINUED)

Supplies 2

o Process chemical expense reflects an increase in bid unit price for polymer used in wastewater treatment.

Other Services & Charges

- o Utilities expense reflects an increase for electricity for new equipment installed during the plant expansion anticipated to come online during the year.
- o Repair and maintenance other than buildings expense is budgeted to increase for pump rehabilitation.
- o Biosolids disposal expense is anticipated to increase with increased projected flows.
- o The System has budgeted expense increases related to allocated service costs in information technology, risk insurance and administrative overhead.
- o Interfund services expenses related to the biomonitoring and sample analysis; pretreatment for special industrial users; and engineering support services are anticipated to increase during the fiscal year.

Capital Outlays

o No capital expenses are requested in the proposed budget.

Debt Service

o Includes the debt service expense for \$108,205,000 of current outstanding debt and a \$27,205,000 planned bond issuance to fund the FY 2023 Capital Improvement Program. No bond issuance is planned for FY 2024.

STAFFING SUMMARY

MCRWS is managed by one Project Manager responsible for all aspects of the facility. MCRWS employs 11.5 full time employees (half a position is shared with the Red Oak Creek Regional Wastewater System). The employees are divided into following areas of responsibility: Administration, Operations, and Maintenance. No new positions requested in FY 2024 budget.

	FY 2022	FY 2023	FY 2024	FY23-24
	Budget	Budget	Budget	Change
Full-time	9.5	11.5	11.5	-

FY 2024 FLOW DATA & COST PER 1,000/GAL PROJECTION

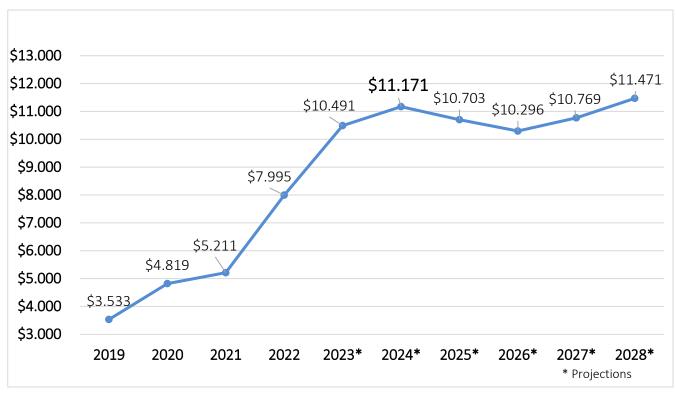
The cost per 1,000/gallon rate is based on contracting party projected flows. FY 2024 cost per 1,000/gallon rate is \$11.171 based on a projected flow of 3.391 MGD. This flow is an 6.47% increase over the FY 2023 budgeted flow of 3.185 MGD.

Budgeted			
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Contracting Party	FY 2022 Actual Flow (MGD)	FY 2022 Actual Flow %	FY 2023 Budgeted Flow (MGD)	FY 2023 Budgeted Flow %	FY 2024 Budgeted Flow (MGD)	FY 2024 Budgeted Flow %
Grand Prairie	0.192	7.175%	0.200	6.279%	0.261	7.697%
Mansfield	0.121	4.522%	0.175	5.495%	0.180	5.308%
Midlothian	1.871	69.917%	2.350	73.783%	2.400	70.776%
Venus	0.492	18.386%	0.460	14.443%	0.550	16.219%
Total	2.676	100.000%	3.185	100.000%	3.391	100.000%

The projected flows were used to develop the FY 2024 O&M expense budget and to allocate the revenue requirement. Anticipated flows are also considered in the development of the Capital Improvement Program budget.

Cost/1,000 gallons



Fiscal Year 2024 Budget

Mountai	in Creek Region	al Wastewater System - 1226	00, 122700, 122701			
			<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
Revenue						
****	MANSFIELD BU	Y IN CREDIT - GRAND PR/	-16,531.35	-14,292.00	-14,292.00	-17,089.00
****	VENUS BUY IN (CREDIT- GRAND PRAIRIE	-10,386.61	-8,418.00	-8,418.00	-10,110.00
****	CONT. REV GI	RAND PRAIRIE-CASH	560,296.84	765,784.00	580,017.00	1,067,160.00
****	BUY IN COLLEC	TIONS - MANSFIELD	219,978.07	215,107.00	215,107.00	210,235.00
****	CONT. REV MA	ANSFIELD-CASH	353,123.67	670,168.00	502,623.00	735,935.00
****	MANSFIELD BU'	Y IN CREDIT - MIDLOTHIA	-161,085.54	-167,941.00	-167,941.00	-157,137.00
****	VENUS BUY IN (CREDIT - MIDLOTHIAN	-101,213.39	-98,920.00	-98,920.00	-92,965.00
****	CONT. REV MI	DLOTHIAN-CASH	5,459,829.13	8,998,549.00	6,815,621.00	9,812,831.00
****	MANSFIELD BU'	Y IN CREDIT - VENUS	-42,361.18	-32,874.00	-32,874.00	-36,009.00
****	BUY IN COLLEC	TIONS - VENUS	111,600.00	107,338.00	107,338.00	103,075.00
****	CONT.REV VE	NUS-CASH	1,435,765.53	1,761,463.00	1,329,324.00	2,248,704.00
		Contract Revenue Total:	7,809,015.17	12,195,964.00	9,227,585.00	13,864,630.00
INTE	REST INCOME		-35.646.44	6.250.00	286,530.55	60.000.00
SALE	OF CAPITAL ASSE	ETS	0.00	0.00	7,645.13	0.00
MISC	ELLANEOUS INCC	DME	587.43	0.00	0.00	0.00
	N	liscellaneous Income Total:	-35,059.01	6,250.00	294,175.68	60,000.00
Region Syst	untain Creek nal Wastewater tem - 122600, 2700, 122701	Revenue Grand Total:	7,773,956.16	12,202,214.00	9,521,760.68	13,924,630.00

Fiscal Year 2024 Budget

	2022	<u>2023</u>	2023 YTD as of	202
	Actual	<u>Budget</u>	07/05/2023	Budge
kM Expense/Debt Service				
SALARIES	604,567.00	649,369.00	369,974.79	780,747.0
PAYROLL TAXES-FICA	42,062.82	49,677.00	28,399.69	59,421.0
EMPLOYEE BENEFIT - HEALTH/LIFE	120,901.43	132,897.00	87,089.09	175,900.0
EMPLOYEE BENEFIT - PENSION	50,599.46	71,097.00	37,855.56	86,007.0
UNEMPLOYMENT COMPENSATION	0.00	1,000.00	0.00	1,000.0
EMPLOYEE RECOGNITION	4,285.00	6,530.00	5,087.50	8,335.0
EMPLOYEE BENEFIT - EDUCATION	1,550.49	2,060.00	0.00	0.0
Salaries and Benefits Total:	823,966.20	912,630.00	528,406.63	1,111,410.0
OFFICE SUPPLIES	2,767.10	2,155.00	1,129.22	2,425.0
DUES AND SUBSCRIPTIONS	1,391.80	1,453.00	11,217.61	2,268.0
FEES O/T DUES AND SUBSCRIPTIONS	14,913.27	20,719.00	805.00	20,386.0
MAINT AND OPER SUPPLIES	8,314.74	6,400.00	4,814.86	7,947.0
LAB SUPPLIES	16,681.89	16,150.00	9,241.61	15,750.0
PROCESS CHEMICALS AND SUPPLIES	34,974.00	30,000.00	25,351.88	40,716.0
FUEL, OIL, AND LUBRICANTS	8,073.63	15,500.00	2,826.62	18,315.0
COMPUTER MAINTENANCE AND SUPPLIES	643.29	60.00	288.00	1,710.0
Supplies Total:	87,759.72	92,437.00	55,674.80	109,517.0
ENGINEERING	30,205.18	86,576.00	7,382.68	81,576.0
OUTSIDE SERVICES	66,185.35	73,249.00	38,102.66	72,029.0
OTHER PROFESSIONAL SERVICES	6,961.13	7,051.00	3,588.98	6,000.0
COMMUNICATIONS	7,873.40	0.00	0.00	0.0
INFORMATION TECHNOLOGY SERVICES	84,000.00	102,936.00	77,202.00	214,502.0
TECHNICAL SERVICES AND BASIN PLANNING	28,281.00	29,788.00	22,342.00	32,727.0
COLLECTION SYSTEM GROUP SERVICES	49,244.00	53,557.00	53,557.00	53,643.0
TELEPHONE AND TELEMETRY	4,735.67	4,660.00	50.00	40.0
POSTAGE	166.00	0.00	0.00	220.0
PRINTING AND BINDING	0.00	50.00	0.00	50.0
INSURANCE	48,034.00	49,505.00	49,505.00	63,170.0
TRAVEL	2,383.24	2,028.00	1,730.37	2,132.0
LAUNDRY, UNIF, AND IND. EQUIPMENT	3,439.78	3,594.00	2,189.85	3,847.0
TRAINING	2,380.00	4,245.00	1,005.00	6,870.0
UTILITIES	216,806.99	237,215.00	168,888.01	264,200.0
R&M IMPROVEMENTS O/T BUILDINGS	1,475.00	16,470.00	1,334.50	34,470.0
REPAIRS AND MAINTENANCE-EQUIPMENT	3,161.62	5,445.00	1,434.87	5,680.0
REPAIRS AND MAINTENANCE - PLANT	75,618.15	68,735.00	55,611.01	67,935.0
REPAIRS AND MAINTENANCE - VEHICLES	387.77	600.00	29.19	600.0
REPAIRS AND MAINTENANCE-EMERGENCY	0.00	40,000.00	0.00	40,000.0
REPAIRS AND MAINTENANCE - ELECTRICAL	2,120.43	29,950.00	40,472.11	29,950.0
BIOSOLIDS DISPOSAL	206,608.34	175,000.00	126,142.33	242,448.0
INTERFUND SERVICES AND CHARGES	110,286.40	149,964.00	69,019.43	205,157.0
ADMINISTRATIVE OVERHEAD Services and Charges Total:	1,160,573.45	248,610.00 1,389,228.00	248,610.00 968,196.99	1,737,216.0
<u>-</u>	, ,		•	
MACHINERY & EQUIPMENT Capital Outlays Total:	0.00	0.00	30,013.00	0.0
•			30,013.00	
DEBT RELATED FEES	6,948.00	7,730.00	900.00	7,350.0
MISCELLANEOUS EXPENSES	0.00	0.00	-164.25	0.0
Transfers & Misc Total:	6,948.00	7,730.00	735.75	7,350.0

Fiscal Year 2024 Budget

Mountain Creek Regional Wastewater System - 122600, 122700, 122701								
	<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>				
	2,302.00	0.00	0.00	0.00				
- I&S	1,895,000.00	3,995,000.00	0.00	5,020,000.00				
	148.00	0.00	0.00	0.00				
EBT - I&S	3,034,471.00	5,478,522.00	770,207.71	5,895,803.00				
Debt Service Total:		9,473,522.00	770,207.71	10,915,803.00				
t Service Grand Total:	4,931,921.00	9,473,522.00	770,207.71	10,915,803.00				
l Expense/Debt Service Grand Total:	7,011,168.37	11,875,547.00	2,353,234.88	13,881,296.00				
	- I&S EBT - I&S Debt Service Total: Service Grand Total:	2022 Actual 2,302.00 1,895,000.00 148.00 148.00 EBT - I&S 3,034,471.00 Debt Service Total: 4,931,921.00 Eservice Grand Total: 4,931,921.00 Expense/Debt Service 7,011,168.37	2022 2023 Budget	2022 2023 2023 YTD as of O7/05/2023 2,302.00				

TARRANT COUNTY WATER SUPPLY PROJECT

Began Service: 1974 Location: Euless

Treatment Capacity: 87.0 MGD

FY2024 Budgeted Flow: 31.024 MGD



The Tarrant County Water Supply Project provides regional treated water service to five contracting parties with a population numbering approximately 250,000. The facility is located on Trinity Boulevard at the boundary between the city of Fort Worth and the city of Euless. The Project consists of an 87 MGD water treatment plant, pipelines, and pump stations necessary to transport the raw water from Lake Arlington to the treatment plant, and distribution pipelines and pump stations necessary to pump the treated water to the Murphy Drive Pump Station and storage site and then to the contracting parties' distribution systems.

CUSTOMERS

Bedford

Colleyville

Euless

• Grapevine

• North Richland Hills

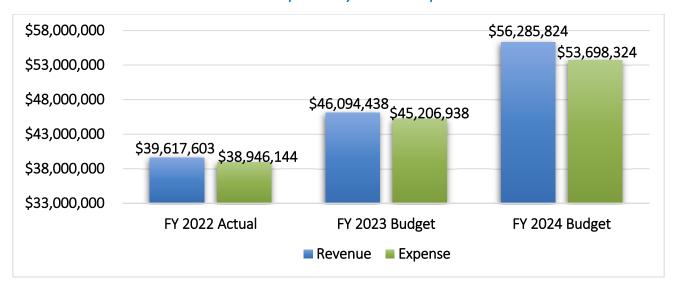
PERFORMANCE MEASURES

TCWSP sets performance measures that are tracked on a quarterly basis throughout the budget year. TCWSP performance goals for FY 2024:

		Performance Measures	FY 2022 Actual	FY 2023 Target	FY 2024 Target
Goal	Goal 2: The Trinity River Authority leverages the full breadth of its powers for the betterment of the basin and organization.	Maintain 100% regulatory compliance with			
Strategy	2.1: Proactively advocate and respond to the regulatory environment using TRA's robust data, research and expertise.	Texas Rules and Regulations for Public Water System.	100%	100%	100%
Initiative	Continue to perform with no permit violations.	,			
Goal	Goal 4: The Trinity River Authority stands for excellence in all things.	Operate within target annual		2,400 kwh	
Strategy	4.3: Continue to build upon TRA's strong reputation.	average of kilowatt hours of electrical	1,953 kwh		2,400 kwh
Initiative	Optimize electrical usage to efficiently provide treatment and disinfection within an acceptable average range.	usage per million gallons of treatment at the System plant.			
Goal	Goal 1: The Trinity River Authority proactively engages in initiatives that foster a robust talent pipeline.	Maintain 75% of			
Strategy	1.2: Develop clear career pathways for TRA employees.	eligible Operations staff group with certifications or	100%	75%	75%
Initiative	Ensure all employees have a career path at TRA while continuing to prepare for succession planning.	licenses.			

FY 2024 BUDGET SUMMARY

Revenue & Expense by Year Comparison

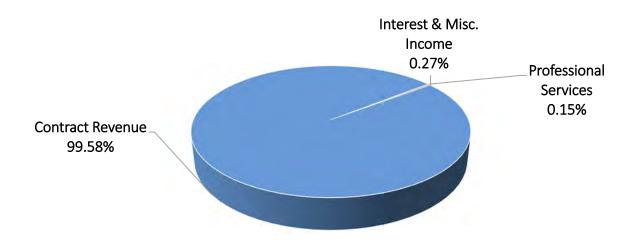


FY 2024 REVENUE BUDGET - SUMMARY

Revenue by Year

	FY 2022	FY 2023	FY 2024	%
	Actual	Budget	Budget	Change
Contract Revenue	\$ 39,623,212	\$ 45,992,556	\$ 56,053,082	21.87%
Professional Services	49,766	83,132	82,742	(0.47%)
Interest & Misc. Income	(55,375)	18,750	150,000	700.00%
Total Revenue	\$ 39,617,603	\$ 46,094,438	\$ 56,285,824	22.11%

FY 2024 Revenue Categories

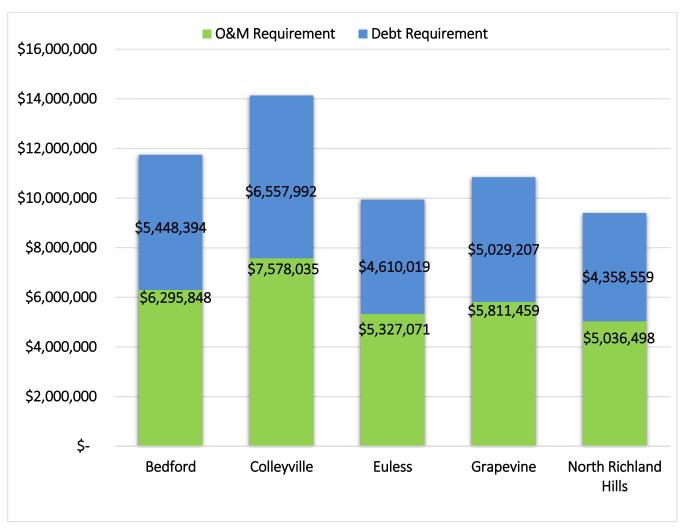


FY 2024 REVENUE BUDGET - SUMMARY (CONTINUED)

FY 2024 Contract Revenue Allocation

Contracting Party	Budgeted Flow (MGD)	Budgeted Flow %	O&M Requirement	Debt Requirement	Total Revenue
Bedford	6.500	20.952%	\$ 6,295,848	\$ 5,448,394	\$ 11,744,242
Colleyville	7.824	25.219%	7,578,035	6,557,992	14,136,027
Euless	5.500	17.728%	5,327,071	4,610,019	9,937,090
Grapevine	6.000	19.340%	5,811,459	5,029,207	10,840,666
North Richland Hills	5.200	16.761%	5,036,498	4,358,559	9,395,057
Total	31.024	100.000%	\$ 30,048,911	\$ 26,004,171	\$ 56,053,082

FY 2024 Revenue Requirement by Contracting Party

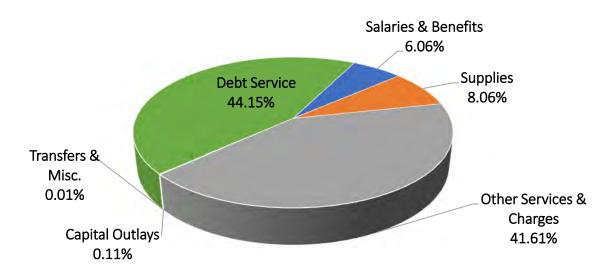


FY 2024 EXPENSE BUDGET - SUMMARY

Expense by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Salaries & Benefits	\$ 2,759,003	\$ 3,035,929	\$ 3,252,856	7.15%
Supplies	3,354,693	2,896,217	4,326,407	49.38%
Other Services & Charges	17,344,894	20,191,912	22,345,324	10.66%
Capital Outlays	-	148,132	56,998	(61.52%)
Transfers & Misc.	319,285	12,720	12,270	(3.54%)
Total O&M Expense	23,777,285	26,284,910	29,993,855	14.11%
Debt Service	15,168,269	18,922,028	23,704,469	25.27%
Total Expense	\$ 38,946,144	\$ 45,206,938	\$ 53,698,324	18.78%

FY 2024 Expense Categories



BUDGET HIGHLIGHTS

Salaries & Benefits

- o Reflects an overall increase related to merit and progressions for skilled staff and an increase in shift differential pay for employees working the evening and overnight hours in accordance with the Authority's Salary Administration Plan.
- o For FY24, health insurance expense is projected to increase related to premium rates and employees' change in selected coverage.

BUDGET HIGHLIGHTS (CONTINUED)

Supplies Supplies

o Reflects an overall increase due to the bid prices for chemicals used in water disinfection and treatment and projected customer flows.

Other Services & Charges

- o Reflects an overall increase for the engineering studies related to the triennial update, asset management reporting, and PFAS study.
- o Reflects an increase for plant repair and maintenance related to building structural repairs and the ozone system.
- o Reflects an increase in water expense due to wholesale water rates from TRWD and projected customer flows.
- o Expense decreases are projected for allocated risk insurance costs and travel.

Capital Outlays

o Reflects a decrease but the Project has budgeted the purchase of one new SUV for engineering staff and two replacement electric utility carts for maintenance.

Debt Service

o Includes the debt service needs of the \$127,685,000 outstanding debt, a \$68,205,000 planned bond issuance to fund the FY 2023 Capital Improvement Program, a planned bond issuance of \$30,010,000 to fund the FY 2024 Capital Improvement Program.

STAFFING SUMMARY

TCWSP is managed by a Project Manager and an Operations and Maintenance Chief, who manage the raw water pump station and transportation system, the treatment plant, water storage facilities, and the distribution system. TCWSP employs 31 full time and one part-time employee, which are divided into the following areas of responsibility: Administration, Electronic and Electrical, Operations, Laboratory and Maintenance. No new positions are requested in the FY 2024 budget.

	FY 2022	FY 2023	FY 2024	FY23-24	
	Budget	Budget	Budget	Change	
Full-time	30	31	31	-	
Seasonal	1	1	-	(1)	
Part-time	-	-	1	1	

FY 2024 FLOW DATA & COST PER 1,000/GAL PROJECTION

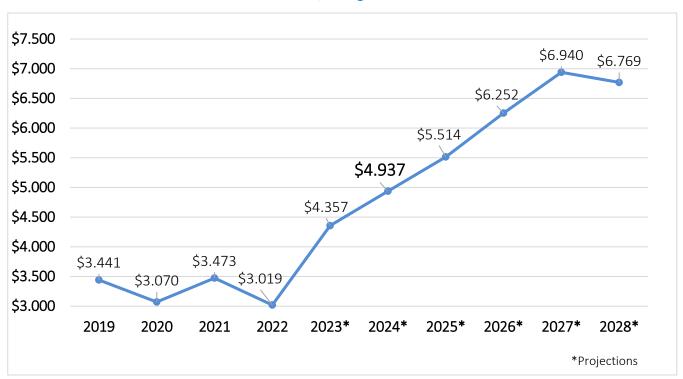
The cost per 1,000/gallon rate is based on contracting party projected flows. FY 2024 cost per 1,000/gallon rate is \$4.937 based on a projected flow of 31.024 MGD. This flow is a 7.28% increase over the FY 2023 budgeted flow of 28.920 MGD.

Budgeted			
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Contracting Party	FY 2022 Actual Flow (MGD)	FY 2022 Actual Flow %	FY 2023 Budgeted Flow (MGD)	FY 2023 Budgeted Flow %	FY 2024 Budgeted Flow (MGD)	FY 2024 Budgeted Flow %
Bedford	7.072	19.665%	6.200	21.438%	6.500	20.952%
Colleyville	8.567	23.822%	6.620	22.891%	7.824	25.219%
Euless	7.252	20.165%	5.000	17.289%	5.500	17.728%
Grapevine	7.472	20.777%	6.000	20.747%	6.000	19.340%
North Richland Hills	5.600	15.571%	5.100	17.635%	5.200	16.761%
Total	35.963	100.000%	28.920	100.000%	31.024	100.000%

The projected flows were used to develop the FY 2024 O&M expense budget and to allocate the revenue requirement. Anticipated flows are also considered in the development of the Capital Improvement Program budget.

Cost/1,000 gallons



Fiscal Year 2024 Budget

Tarrant	County Water Supply Project - 242600, 242700)			
		<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
Revenue	9				
****	CONT. REV BEDFORD-CASH	7,791,904.65	9,859,884.00	5,319,084.00	11,744,242.00
****	CONT. REV COLLEYVILLE-CASH	9,439,041.57	10,528,156.00	5,610,010.00	14,136,027.00
****	CONT. REV EULESS-CASH	7,990,020.71	7,951,653.00	5,085,188.00	9,937,090.00
****	CONT. REV GRAPEVINE-CASH	8,232,514.77	9,542,076.00	5,457,320.00	10,840,666.00
****	CONT. REV NORTH RICH HILLS-CASH	6,169,730.34	8,110,787.00	4,452,244.00	9,395,057.00
	Contract Revenue Total:	39,623,212.04	45,992,556.00	25,923,846.00	56,053,082.00
INTE	RFUND SERVICES & CHARGES	49,765.54	83,132.00	12,114.00	82,742.00
	Professional Services Total:	49,765.54	83,132.00	12,114.00	82,742.00
INTE	REST INCOME	-58,589.95	18,750.00	471,536.43	150,000.00
SALE	E OF CAPITAL ASSETS	0.00	0.00	6,290.00	0.00
MISC	CELLANEOUS INCOME	3,214.95	0.00	6,478.23	0.00
	Miscellaneous Income Total:	-55,375.00	18,750.00	484,304.66	150,000.00
Sup	nt County Water oply Project - Revenue Grand Total: 2600, 242700	39,617,602.58	46,094,438.00	26,420,264.66	56,285,824.00

Fiscal Year 2024 Budget

	2222	2023	0000 1/75	
	<u>2022</u> <u>Actual</u>	<u>Budget</u>	2023 YTD as of 07/05/2023	<u>202</u> Budge
0&M Expense/Debt Service				
SALARIES	1,916,380.23	2,137,492.00	1,111,873.25	2,248,681.0
PAYROLL TAXES-FICA	145,018.83	161,988.00	83,062.57	170,800.0
EMPLOYEE BENEFIT - HEALTH/LIFE	493,054.26	481,634.00	260,600.57	564,761.0
EMPLOYEE BENEFIT - PENSION	183,914.42	230,945.00	107,486.74	247,769.0
UNEMPLOYMENT COMPENSATION	0.00	1,000.00	0.00	1,000.0
EMPLOYEE RECOGNITION	20,635.00	17,870.00	15,270.00	16,445.0
EMPLOYEE BENEFIT - EDUCATION	0.00	5,000.00	0.00	3,400.0
Salaries and Benefits Total:	2,759,002.74	3,035,929.00	1,578,293.13	3,252,856.0
OFFICE SUPPLIES	9,043.76	9,070.00	3,106.14	11,250.0
DUES AND SUBSCRIPTIONS	11,080.70	16,177.00	9,126.22	17,757.0
FEES O/T DUES AND SUBSCRIPTIONS	2,451.94	4,176.00	1,520.26	4,012.0
MAINT AND OPER SUPPLIES	20,894.27	39,350.00	23,393.04	36,966.0
	45,203.48	•	23,393.04	
LAB SUPPLIES	•	36,700.00	•	40,905.0
PROCESS CHEMICALS AND SUPPLIES	3,140,781.20	2,656,254.00	1,500,849.05	4,063,921.0
FUEL, OIL, AND LUBRICANTS	29,008.42	36,437.00	8,013.96	40,636.0
INSTRUMENTATION MAINT & SUPPLIES	82,920.35	95,853.00	42,458.36	102,860.0
COMPUTER MAINTENANCE AND SUPPLIES Supplies Total:	13,308.80	2,200.00	155.40	8,100.0
	3,354,692.92	2,896,217.00	1,611,487.46	4,326,407.0
ENGINEERING	65,261.31	202,946.00	6,635.81	223,946.0
OUTSIDE SERVICES	269,398.79	300,147.00	72,744.02	376,994.0
OTHER PROFESSIONAL SERVICES	35,143.42	42,815.00	19,734.11	44,693.0
INFORMATION TECHNOLOGY SERVICES	454,280.00	650,219.00	487,664.00	876,846.0
TECHNICAL SERVICES AND BASIN PLANNING	110,679.00	111,850.00	83,887.00	143,209.0
COLLECTION SYSTEM GROUP SERVICES	254,943.00	249,433.00	249,433.00	249,479.0
TELEPHONE AND TELEMETRY	6,636.75	0.00	10.99	0.0
POSTAGE	978.01	1,600.00	186.44	1,400.0
PRINTING AND BINDING	70.00	670.00	145.78	700.0
INSURANCE	250,587.00	219,187.00	219,187.00	201,593.0
TRAVEL	13,596.66	21,765.00	3,384.52	5,155.0
LAUNDRY, UNIF, AND IND. EQUIPMENT	13,859.19	22,179.00	8,916.44	23,711.0
TRAINING	10,904.00	16,305.00	6,581.20	9,325.0
UTILITIES	1,711,129.83	1,458,277.00	730,890.12	1,479,602.0
WATER	12,744,700.00	14,165,739.00	9,543,912.00	15,893,741.0
R&M IMPROVEMENTS O/T BUILDINGS	65,567.19	346,000.00	21,869.29	343,000.0
REPAIRS AND MAINTENANCE-EQUIPMENT	23,381.17	89,237.00	68,502.40	89,918.0
	•	253,691.00	148,278.25	=
REPAIRS AND MAINTENANCE - PLANT	147,092.85	•	•	332,938.0
REPAIRS AND MAINTENANCE - VEHICLES	6,787.67	8,400.00	5,804.55	8,500.0
REPAIRS AND MAINTENANCE-EMERGENCY	32,253.19	175,000.00	182,311.47	250,000.0
REPAIRS AND MAINTENANCE - ELECTRICAL	136,898.97	98,400.00	167,249.34	118,858.0
RENT - MACHINERY & EQUIPMENT	14,736.74	9,300.00	346.15	9,500.0
PUMP STATION USAGE FEES	50,691.40	584,775.00	355,806.15	344,179.0
INTERFUND SERVICES AND CHARGES	239,107.74	323,157.00	123,083.23	368,387.0
ADMINISTRATIVE OVERHEAD	686,210.00	840,820.00	840,820.00	949,650.0
Services and Charges Total:	17,344,893.88	20,191,912.00	13,347,383.26	22,345,324.0
LAND	0.00	0.00	3,341.00	0.0
MACHINERY & EQUIPMENT	0.00	148,132.00	116,551.47	56,998.0
Capital Outlays Total:	0.00	148,132.00	119,892.47	56,998.0
DEBT RELATED FEES	10,930.00	12,720.00	1,500.00	12,270.0
CONTRACT PRINCIPAL PAYMENTS	218,455.01	0.00	0.00	0.0
INTEREST ON CONTRACT PAYABLES	89,900.08	0.00	0.00	0.0
Transfers & Misc Total:				
mansiers & wist Total.	319,285.09	12,720.00	1,500.00	12,270.0
O&M Expense Grand Total:	23,777,874.63	26,284,910.00	16,658,556.32	29,993,855.0

Fiscal Year 2024 Budget

Tarrant County Water S	upply Project - 242600, 24270	^			
rarrant County Water S	upply Project - 242600, 24270	U			
		<u>2022</u>	2023	2023 YTD as of	<u>2024</u>
		<u>Actual</u>	<u>Budget</u>	<u>07/05/2023</u>	<u>Budget</u>
LEASE PRINCIPAL PAY	MENT	102,013.58	0.00	83,080.00	146,612.00
BOND PRINCIPAL PAYN	MENTS - I&S	10,035,000.00	10,415,000.00	10,415,000.00	13,010,000.00
INTEREST ON LEASE		22,597.00	0.00	20,128.00	30,316.00
INTEREST ON LONG-TI	ERM DEBT - I&S	5,008,658.35	8,507,028.00	1,086,255.22	10,517,541.00
	Debt Service Total:	15,168,268.93	18,922,028.00	11,604,463.22	23,704,469.00
	Debt Service Grand Total:	15,168,268.93	18,922,028.00	11,604,463.22	23,704,469.00
Tarrant County Water					
Supply Project - 242600, 242700	O&M Expense/Debt Service Grand Total:	38,946,143.56	45,206,938.00	28,263,019.54	53,698,324.00
212000, 242700	Grand Total.				



HUNTSVILLE REGIONAL WATER SUPPLY SYSTEM

Began Service: 1980 Location: Huntsville

Treatment Capacity: 12.0 MGD

FY2024 Budgeted Flow: 10.000 MGD



The Huntsville Regional Water Supply System provides service for a population of approximately 44,000 - 39,000 in Huntsville and 2,500 each at the Ellis and Estelle Texas Department of Criminal Justice prison units. TRA provides raw water for this project through a withdrawal facility located in the headwaters of Lake Livingston. The raw water is processed and then pumped to ground storage facilities in Huntsville, as well as to the Ellis and Estelle Units of the TDCJ near Riverside. Additionally, an average of 3.2 million gallons per day of clarified water is provided to the Tenaska Power Plant for cooling and process water.

In 2016, an expansion at the plant was completed, which included the construction of raw-water pump station improvements, approximately 2,000 feet of a new 36-inch diameter raw-water pipeline, new denitrifying filters for nitrate removal, chemical feed systems, high-service pumps, electrical service, and clear-well storage at the treatment plant site.

- Huntsville
 Ellis Unit of the Texas Department of Criminal Justice
 - Estelle Unit of the Texas Department of Criminal Justice
 - Tenaska Frontier Partners Power Plant

(dash denotes city of Huntsville customer)

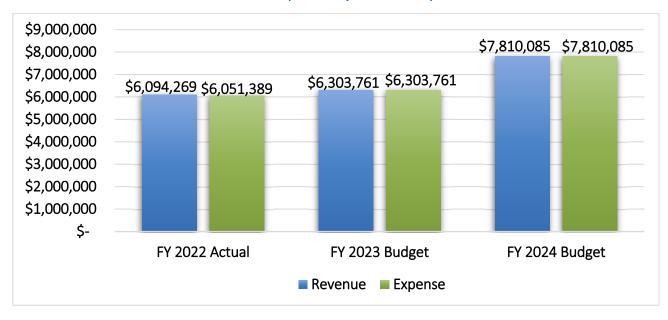
PERFORMANCE MEASURES

HRWSS sets performance measures that are tracked on a quarterly basis throughout the budget year. HRWSS performance goals for FY 2024:

		Performance Measures	FY 2022 Actual	FY 2023 Target	FY 2024 Target
Goal	Goal 4: The Trinity River Authority stands for excellence in all things.	Maintain at least			
Strategy	2.1: Proactively advocate and respond to the regulatory environment using TRA's robust data, research and expertise.	95% of yearly average turbidity readings at 0.101 NTU to protect the	96%	95%	95%
Initiative	Continue efforts to provide safe uninterrupted drinking water that meets state and federal requirements.	public.			
Goal	Goal 4: The Trinity River Authority stands for excellence in all things.	Maintain 1000/ of			
Strategy	2.1: Proactively advocate and respond to the regulatory environment using TRA's robust data, research and expertise.	Maintain 100% of chlorine residual readings between 3.0 and 4.0 mg/L to	99%	100%	100%
Initiative	Continue efforts to provide safe uninterrupted drinking water that meets state and federal requirements.	provide the required disinfection levels.			
Goal	Goal 4: The Trinity River Authority stands for excellence in all things.	Utilize an average of			
Strategy	4.3: Continue to build upon TRA's strong reputation.	2,900 kilowatt hours of power per million	2,559 kwh	2,574 kwh	2,900 kwh
Initiative	Optimize electrical usage to efficiently provide treatment and disinfection within an acceptable average range.	gallons of treated water.			
Goal	Goal 1: The Trinity River Authority proactively engages in initiatives that foster a robust talent pipeline.	Work with	1 New	1 New	1
Strategy	1.2: Develop clear career pathways for TRA employees.	operations staff to obtain or upgrade	license 1	license 2	Upgraded license
Initiative	Ensure all employees have a career path at TRA while continuing to prepare for succession planning.	water license.	Upgraded license	Upgraded licenses	псепѕе

FY 2024 BUDGET SUMMARY

Revenue & Expense by Year Comparison



FY 2024 REVENUE BUDGET – SUMMARY

Revenue by Year

	FY 2022	FY 2023	FY 2024	%
	Actual	Budget	Budget	Change
Contract Revenue	\$ 6,110,084	\$ 6,303,761	\$ 7,805,085	23.82%
Interest & Misc. Income	(15,815)	-	5,000	0.00%
Total Revenue	\$ 6,094,269	\$ 6,303,761	\$ 7,810,085	23.90%

FY 2024 Revenue Categories



FY 2024 REVENUE BUDGET - SUMMARY (CONTINUED)

FY 2024 Contract Revenue Requirement

		Huntsville
O&M Requirer	ment	\$ 6,228,959
Water Sales		1,576,126
	Total	\$ 7,805,085

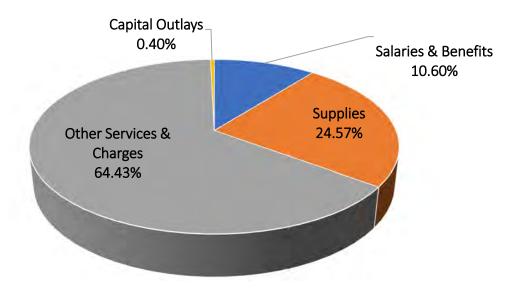


FY 2024 EXPENSE BUDGET - SUMMARY

Expense by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Salaries & Benefits	\$ 744,534	\$ 777,625	\$ 828,228	6.51%
Supplies	1,127,901	1,436,262	1,918,958	33.61%
Other Services & Charges	4,116,175	3,962,574	5,031,699	26.98%
Capital Outlays	62,779	127,300	31,200	(75.49%)
Total Expense	\$ 6,051,389	\$6,303,761	\$7,810,085	23.90%

FY 2024 Expense Categories



BUDGET HIGHLIGHTS

Salaries & Benefits

- o Salaries expense reflects an increase related to merit, progressions, promotions and shift differential pay for employees working the evening and overnight hours in accordance with the Authority's Salary Administration Plan.
- o Health insurance expense is projected to increase related to premium rates.

BUDGET HIGHLIGHTS (CONTINUED)

Supplies Supplies

- o Process chemical expense reflects an increase related to the bid unit costs for process chemicals used in the water treatment process to provide safe drinking water that meets state and regulatory standards.
- o Fuel, oil and lubricants to service equipment and vehicles is projected to decrease based upon usage and estimated decreasing unit prices.

Other Services & Charges

- o Engineering services expense reflects an increase related to a budgeted agreement for plant and pipeline enhancements.
- o Risk insurance expenses are budgeted to decrease based on estimated property values.
- O Utility expense for electricity is budgeted to increase based on usage, rates and electric wholesale power cost adjustment expense attributable to the cost of fuel needed to produce electricity in Texas.
- o Repair and maintenance plant expense is projected to increase related to the purchase of raw water pumps, services and equipment to maintain the overhead piping and brake motors in the clarifiers.
- o The System also has budgeted expense increases related to allocated services for information technology, interfund services for purchasing and operating and administrative overhead.

Capital Outlays

o The budgeted decrease in capital outlay expense for machinery and equipment is offset by anticipated purchase of a new turbidimeter and replacing a raw water pump variable frequency drive.

STAFFING SUMMARY

HRWSS employs 10 full time employees for operations and maintenance of the System. One part-time Maintenance Helper was converted to a full-time Maintenance Mechanic II position. No new positions are included in the FY 2024 budget.

	FY 2022	FY 2023	FY 2024	FY23-24
	Budget	Budget	Budget	Change
Full-time	9	9	10	-
Part-time	1	1	-	-

FY 2024 FLOW DATA & COST PER 1,000/GAL PROJECTION

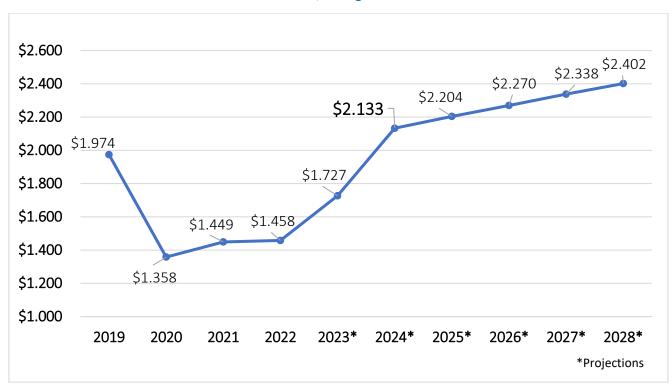
The cost per 1,000/gallon rate is based on contracting party projected flows. FY 2024 cost per 1,000/gallon rate is \$2.133 based on a projected flow of 10.000 MGD and an estimated operations and maintenance expenses.

Budgeted Flow Comparison

	FY 2022	FY 2023	FY 2024
	Actual	Budgeted	Budgeted
	Flow	Flow	Flow
	(MGD)	(MGD)	(MGD)
Huntsville	11.479	10.000	10.000

The projected flows were used to develop the FY 2024 O&M expense budget. Projected cost per 1,000 gallons were estimated using a three percent increase in operations and maintenance cost and current budgeted flows.

Cost/1,000 gallons



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Fiscal Year 2024 Budget

Huntsville Re	egional Water	Supply S	System -	244600,	244700
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	<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 7/10/2023	<u>2024</u> <u>Budget</u>	% Increase (Decrease)
Revenue					
**** CONT. REV HUNTSVILLE-CASH	4,406,316.54	4,727,635.00	3,545,730.00	6,228,959.00	31.76%
**** WATER SALES - CITY OF HUNTSVILLE	1,703,767.00	1,576,126.00	1,576,126.00	1,576,126.00	0.00
Contract Revenue Total:	6,110,083.54	6,303,761.00	5,121,856.00	7,805,085.00	23.82%
INTEREST INCOME	-15,814.99	0.00	20,345.25	5,000.00	100.00%
SALE OF CAPITAL ASSETS	0.00	0.00	8,499.84	0.00	0.00%
Miscellaneous Income Total:	-15,814.99	0.00	28,845.09	5,000.00	100.00%
Huntsville Regional Water Revenue Grand Total: Supply System - 244600, 244700	6,094,268.55	6,303,761.00	5,150,701.09	7,810,085.00	23.90%

Fiscal Year 2024 Budget

OPERATING FUNDS

Huntsville Regional Water Supply System - 244600, 244700

	<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 7/10/2023	<u>2024</u> Budget	% Increase (Decrease)
O&M Expense/Debt Service					
SALARIES	508,698.54	530,883.00	325,956.46	565,219.00	6.47%
PAYROLL TAXES-FICA	37,431.00	40,613.00	24,081.16	42,933.00	5.71%
EMPLOYEE BENEFIT - HEALTH/LIFE	145,332.22	142,254.00	84,490.85	153,337.00	7.79%
EMPLOYEE BENEFIT - PENSION	46,912.65	58,295.00	28,026.56	61,794.00	6.00%
EMPLOYEE RECOGNITION	6,160.00	5,580.00	4,970.00	4,945.00	-11.38%
Salaries and Benefits Total:	744,534.41	777,625.00	467,525.03	828,228.00	6.51%
OFFICE SUPPLIES	6,623.09	6,800.00	1,678.40	6,800.00	0.00%
DUES AND SUBSCRIPTIONS	2,993.26	1,180.00	3,166.39	1,180.00	0.00%
FEES O/T DUES AND SUBSCRIPTIONS	332.26	4,424.00	277.43	3,861.00	-12.73%
MAINT AND OPER SUPPLIES	18,114.21	21,500.00	12,695.02	24,800.00	15.35%
LAB SUPPLIES	26,360.18	20,960.00	13,577.58	30,000.00	43.13%
PROCESS CHEMICALS AND SUPPLIES	1,038,596.05	1,321,585.00	832,200.44	1,798,517.00	36.09%
FUEL, OIL, AND LUBRICANTS	16,640.01	34,500.00	13,529.09	29,600.00	-14.20%
INSTRUMENTATION MAINT & SUPPLIES	13,958.19	21,200.00	11,104.78	21,200.00	0.00%
COMPUTER MAINTENANCE AND SUPPLIES	4,283.57	4,113.00	264.97	3,000.00	-27.06%
Supplies Total:	1,127,900.82	1,436,262.00	888,494.10	1,918,958.00	33.61%
ENGINEERING	0.00	0.00	20,875.00	219,000.00	100.00%
LEGAL SERVICES	0.00	250.00	0.00	250.00	0.00%
OUTSIDE SERVICES	5,412.70	8,100.00	3,411.39	8,100.00	0.00%
OTHER PROFESSIONAL SERVICES	4,579.35	4,235.00	3,410.02	4,235.00	0.00%
COMMUNICATIONS	370.20	125.00	734.34	125.00	0.00%
INFORMATION TECHNOLOGY SERVICES	23,810.00	29,843.00	22,382.00	169,194.00	466.95%
TECHNICAL SERVICES AND BASIN PLANNING	22,387.00	21,980.00	16,484.00	27,542.00	25.30%
TELEPHONE AND TELEMETRY	2,317.30	0.00	124.99	0.00	0.00%
POSTAGE	244.43	1,500.00	295.38	1,500.00	0.00%
PRINTING AND BINDING	114.12	125.00	54.23	125.00	0.00%
INSURANCE	59,850.00	64,890.00	64,890.00	41,214.00	-36.49%
TRAVEL	1,275.69	4,250.00	2,374.01	4,250.00	0.00%
LAUNDRY, UNIF, AND IND. EQUIPMENT	6,231.87	7,325.00	4,185.62	7,950.00	8.53%
TRAINING	2,934.98	5,550.00	4,030.00	5,550.00	0.00%
UTILITIES	1,091,688.00	813,750.00	599,718.00	1,340,200.00	64.69%
WATER	1,703,767.00	1,576,126.00	1,576,126.00	1,576,126.00	0.00%
R&M IMPROVEMENTS O/T BUILDINGS	22,677.81	55,000.00	2,640.32	45,000.00	-18.18%
REPAIRS AND MAINTENANCE-EQUIPMENT	17,127.43	17,000.00	3,117.93	17,000.00	0.00%
REPAIRS AND MAINTENANCE - PLANT	204,954.54	335,900.00	96,693.22	395,400.00	17.71%
REPAIRS AND MAINTENANCE - VEHICLES	3,000.55	5,600.00	1,619.20	5,600.00	0.00%
REPAIRS AND MAINTENANCE-EMERGENCY	0.00	5,000.00	324,627.91	5,000.00	0.00%
BIOSOLIDS DISPOSAL	235,000.00	250,000.00	0.00	250,000.00	0.00%
RENT - MACHINERY & EQUIPMENT	3,169.15	5,000.00	2,557.83	5,000.00	0.00%
INTERFUND SERVICES AND CHARGES	18,539.20	24,744.00	23,378.00	46,587.00	88.28%
OPERATING OVERHEAD	515,184.00	536,861.00	536,861.00	600,381.00	11.83%
ADMINISTRATIVE OVERHEAD	171,540.00	189,420.00	189,420.00	256,370.00	35.34%
Services and Charges Total:	4,116,175.32	3,962,574.00	3,500,010.39	5,031,699.00	26.98%

Fiscal Year 2024 Budget

Huntsville	Regional	Water	Sunnly	System	- 244600	244700

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		<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 7/10/2023	2024 Budget	% Increase (Decrease)
MACHINERY & EQUIPMENT		62,779.00	127,300.00	14,849.00	31,200.00	-75.49%
	Capital Outlays Total:	62,779.00	127,300.00	14,849.00	31,200.00	-75.49%
Huntsville Regional Water Supply System - 244600, 244700	O&M Expense/Debt Service Grand Total:	6,051,389.55	6,303,761.00	4,870,878.52	7,810,085.00	23.90%

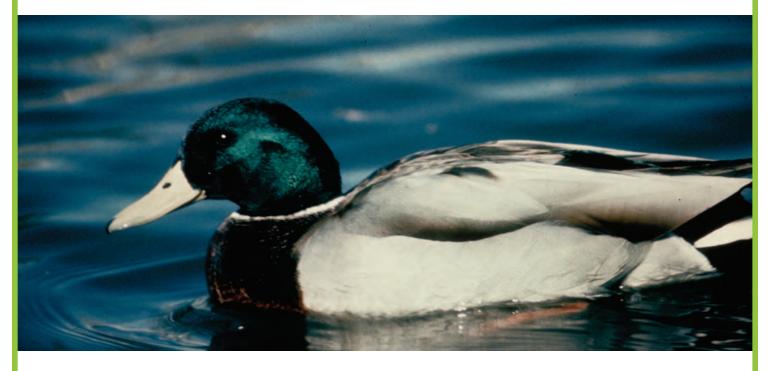
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LIVINGSTON REGIONAL WATER SUPPLY SYSTEM

Began Service: 1981 Location: Livingston

Treatment Capacity: 5.0 MGD

FY2024 Budgeted Flow: 2.200 MGD



Originally sized at 2.0 MGD, the system was enlarged to 3.0 MGD in 1992 to provide water to the Polunsky Unit of the Texas Department of Criminal Justice. Currently, LRWSS serves a population of approximately 13,000: 9,000 in the city of Livingston, 3,000 at the Polunsky Unit and 1,000 at the IAH Detention Facility, a privately operated prison facility adjacent to the Polunsky Unit.

In 2017, an expansion was completed, which included the construction of a new, raw-water pump station, approximately 5,000 feet of new 16-inch-diameter raw-water pipeline, new chemical feed systems, a new clarifier and rehab of the two existing clarifiers, new filters, electrical service, and a new control building at the treatment plant site.

CUSTOMERS

- Livingston
- Polunsky Unit of the Texas Department of Criminal Justice
- The IAH detention Facility

(dash denotes city of Livingston customer)

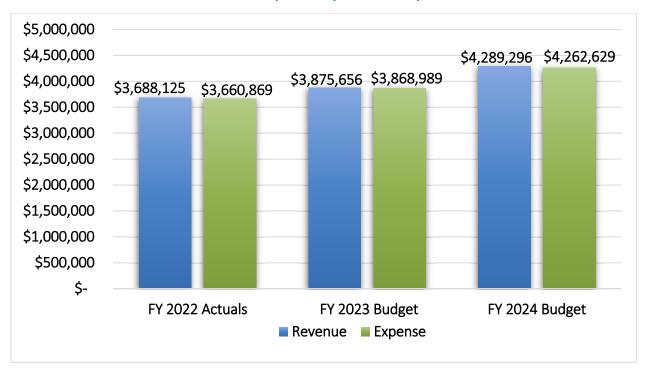
PERFORMANCE MEASURES

LRWSS sets performance measures that are tracked on a quarterly basis throughout the budget year. LRWSS performance goals for FY 2024:

		Performance Measures	FY 2022 Actual	FY 2023 Target	FY 2024 Target
Goal	Goal 4: The Trinity River Authority stands for excellence in all things.	Maintain at least			
Strategy	2.1: Proactively advocate and respond to the regulatory environment using TRA's robust data, research and expertise.	95% of yearly average turbidity readings at 0.037 NTU to protect the	99%	95%	95%
Initiative	Continue efforts to provide safe uninterrupted drinking water that meets state and federal requirements.	public.			
Goal	Goal 4: The Trinity River Authority stands for excellence in all things.	Maintain 90% of			
Strategy	2.1: Proactively advocate and respond to the regulatory environment using TRA's robust data, research and expertise.	chlorine residual readings between 3.0 and 4.0 mg/L to provide the required	94%	90%	90%
Initiative	Continue efforts to provide safe uninterrupted drinking water that meets state and federal requirements.	disinfection levels.			
Goal	Goal 4: The Trinity River Authority stands for excellence in all things.	Utilize an average of			
Strategy	4.3: Continue to build upon TRA's strong reputation.	1,970 kilowatt hours of power per million gallons of treated	1,925 kwh	1,857 kwh	1,970 kwh
Initiative	Optimize electrical usage to efficiently provide treatment and disinfection within an acceptable average range.	water.			
Goal	Goal 1: The Trinity River Authority proactively engages in initiatives that foster a robust talent pipeline.	Work with	1	2	1
Strategy	1.2: Develop clear career pathways for TRA employees.	operations staff to upgrade water	Upgraded license	Upgraded licenses	Upgraded license
Initiative	Ensure all employees have a career path at TRA while continuing to prepare for succession planning.	license.	псензе	псспэсэ	псспзс

FY 2024 BUDGET SUMMARY





FY 2024 REVENUE BUDGET - SUMMARY

Revenue by Year

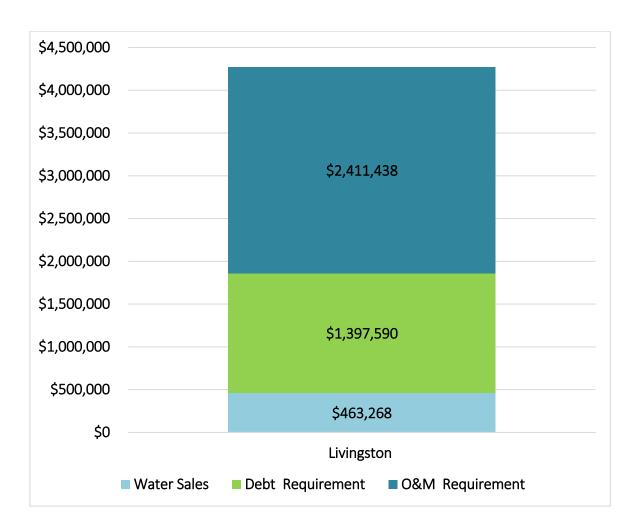
	FY 2022	FY 2023	FY 2024	%
	Actual	Budget	Budget	Change
Contract Revenue	\$ 3,702,720	\$ 3,875,656	\$ 4,272,296	10.23%
Interest & Misc. Income	(14,595)	-	17,000	100.00%
Total Revenue	\$ 3,688,125	\$ 3,875,656	\$ 4,289,296	10.67%



FY 2024 REVENUE BUDGET - SUMMARY (CONTINUED)

FY 2024 Contract Revenue Requirement

		Livingston
O&M Requiren	nent	\$ 2,411,438
Debt Requirem	ent	1,397,590
Water Sales		463,268
	Total	\$ 4,272,296

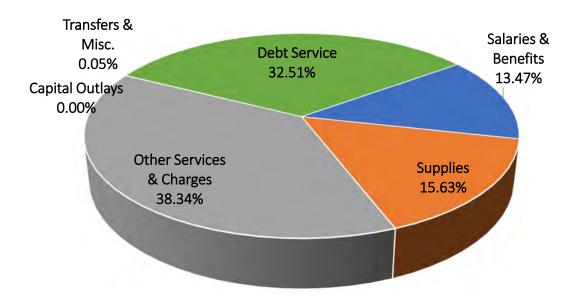


FY 2024 EXPENSE BUDGET - SUMMARY

Expense by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Salaries & Benefits	\$ 509,585	\$ 520,574	\$ 574,284	10.32%
Supplies	362,910	490,800	666,063	35.71%
Other Services & Charges	1,235,814	1,267,264	1,634,279	28.96%
Capital Outlays	-	35,000	-	(100.00%)
Transfers & Misc.	2,070	2,470	2,300	(6.88%)
Total O&M Expense	2,110,379	2,316,108	2,876,926	24.21%
Debt Service	1,550,490	1,552,881	1,385,703	(10.77%)
Total Expense	\$ 3,660,869	\$ 3,868,989	\$ 4,262,629	10.17%

FY 2024 Expense Categories



BUDGET HIGHLIGHTS

Salaries & Benefits

- o Salaries expense reflects an increase related to merit and progressions and shift differential pay for employees working the evening and overnight hours in accordance with the Authority's Salary Administration Plan.
- o Health insurance expense is projected to increase related to premium rates.

BUDGET HIGHLIGHTS (CONTINUED)

Supplies

- o Lab supplies expense reflects an increase related to the replacement of dated lab equipment and additional supplies necessary for PFAS testing.
- o Process chemical expense reflects an increase related to the bid unit costs for process chemicals used in the water treatment process to provide safe drinking water that meets state and regulatory standards.

Other Services & Charges

- o Engineering services expense is budgeted to increase for an ARC Flash Study to be conducted during the fiscal year.
- o The System has budgeted a decrease in risk insurance related to estimated property values.
- o Utilities expense related to electric service is anticipated to increase based on increased usage.
- o Repair and maintenance-plant expenses are projected to increase related to painting the elevated tank, purchases of filter media used for water clarification, and work to maintain an air compressor.
- o The System also anticipates an increase in expenses related to allocated services for information technology and administrative overhead.

Capital Outlays

o No capital outlay expenses are planned for the fiscal year.

Debt Service

o Includes the debt service needs of the \$15,095,000 current outstanding debt anticipated at the beginning of FY 2024.

STAFFING SUMMARY

LRWSS employs 6 full time employees. No new positions are included in the FY 2024 budget.

	FY 2022	FY 2023	FY 2024	FY23-24
	Budget	Budget	Budget	Change
Full-time	6	6	6	-

FY 2024 FLOW DATA & COST PER 1,000/GAL PROJECTION

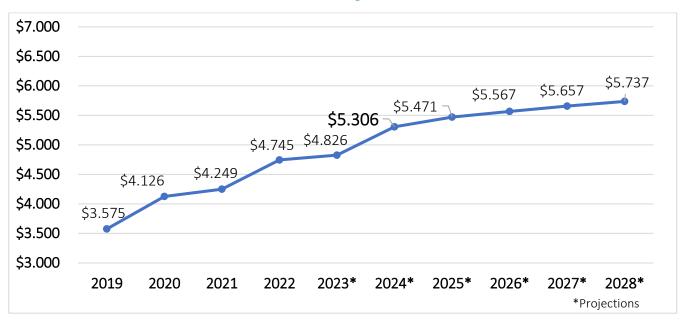
The cost per 1,000/gallon rate is based on contracting party projected flows. FY 2024 cost per 1,000/gallon rate is \$5.306 based on a projected flow of 2.200 MGD.

Budgeted Flow Comparison

	FY 2022	FY 2023	FY 2024
	Actual	Budgeted	Budgeted
	Flow	Flow	Flow
	(MGD)	(MGD)	(MGD)
Livingston	2.138	2.200	2.200

The projected flows and an operation and maintenance and debt service expenses were used to develop the FY 2024 O&M expense budget. Projected cost per 1,000 gallons were estimated using a three percent increase in operations and maintenance cost and current budgeted flows.

Cost/1,000 gallons



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Fiscal Year 2024 Budget

Livingston Regional Water Supply System - 246600, 246700								
	<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>				
Revenue								
**** CONT. REV LIVINGSTON	3,239,452.66	3,412,388.00	2,559,285.00	3,809,028.00				
**** WATER SALES - CITY OF LIVINGSTON	463,268.00	463,268.00	463,268.00	463,268.00				
Contract Revenue Total:	3,702,720.66	3,875,656.00	3,022,553.00	4,272,296.00				
INTEREST INCOME	-14,595.22	0.00	55,469.02	17,000.00				
Miscellaneous Income Total:	-14,595.22	0.00	55,469.02	17,000.00				
Livingston Regional Water Supply System - Revenue Grand Total: 246600, 246700	3,688,125.44	3,875,656.00	3,078,022.02	4,289,296.00				

Fiscal Year 2024 Budget

SALARIES SALARIES SALARIES SALARIES PAYROLL TAKES-FICA 27,777.24 28,832,00 15,385,22 29,807,000,100,100,100,100,100,100,100,100,1	or Elianimo i ondo				
SALARIES 342,429.14 350,743.00 202,274.42 366,	Livingston Regional Water Supply System - 246600,	246700			
SALARIES 342,429.14 350,743.00 202,274.42 366, PAYROLL TAXES-FICA 27,777.24 26,832.00 15,385.22 29, EMPLOYED BENEFIT - HEALTH/LIFE 100,019.28 101,640.00 57,905.07 113, EMPLOYED BENEFIT - PENSION 32,339.29 37,334.00 20,450.89 40, EMPLOYED RECOGNITION 7,020.00 4,025.00 4,385.00 5, SMEDIA 50, SMEDIA					2024 Budge
PAYROLL TAXES-FICA	&M Expense/Debt Service				
PAYROLL TAXES-FICA	SALARIES	342,429.14	350,743.00	202,274.42	386,202.00
EMPLOYEE RENORTH - PENSION 32,339.29 37,334.00 20,480.88 40, 285.00 EMPLOYEE RECOGNITION 7,020.00 4,025.00 4,385.00 5,886.95 Salaries and Benefits Total: 509,584.95 520,574.00 300,400.60 574, 385.00 OFFICE SUPPLIES 4,239.46 4,100.00 1,917.24 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4		•	•	•	29,238.00
EMPLOYEE RECOGNITION 7,020.00 4,025.00 30,040.60 574,	EMPLOYEE BENEFIT - HEALTH/LIFE	100,019.28	101,640.00	57,905.07	113,154.00
Salaries and Benefits Total: 509,584.95 520,574.00 300,400.60 574,	EMPLOYEE BENEFIT - PENSION	32,339.29	37,334.00	20,450.89	40,625.00
OFFICE SUPPLIES	EMPLOYEE RECOGNITION	7,020.00	4,025.00	4,385.00	5,065.00
DUES AND SUBSCRIPTIONS	Salaries and Benefits Total:	509,584.95	520,574.00	300,400.60	574,284.00
REES O/T DUES AND SUBSCRIPTIONS	OFFICE SUPPLIES	4,239.46	4,100.00	1,917.24	4,000.00
MAINT AND OPER SUPPLIES 10,660.44 16,800.00 7,278.38 16, LaB SUPPLIES 15,437.05 12,200.00 5,672.30 22, PROCESS CHEMICALS AND SUPPLIES 320,405.30 434,148.00 207,382.67 600, FUEL, OIL, AND LUBRICANTS 7,816.23 12,500.00 6,000 10, INSTRUMENTATION MAINT & SUPPLIES 2,955.40 6,500.00 6,431.96 6, COMPUTER MAINTENANCE AND SUPPLIES 0.00 2,000.00 1,572.25 2, Supplies Total: 362,910.09 490,800.00 231,149,655 666, OMPUTER MAINTENANCE AND SUPPLIES 0.00 0	DUES AND SUBSCRIPTIONS	554.43	570.00	553.39	570.00
LAB SUPPLIES 15,437.05 12,200.00 5,672.30 22, PROCESS CHEMICALS AND SUPPLIES 320,405.30 434,148.00 207,382.67 600. PUEL, OIL, AND LUBRICANTS 7,816.23 12,500.00 0.00 10. INSTRUMENTATION MAINT & SUPPLIES 2,955.40 6,500.00 6,431.96 6. COMPUTER MAINTENANCE AND SUPPLIES 0.00 2,000.00 1,572.25 22, Supplies Total: 362,910.09 490,600.00 231,149.65 666. ENGINEERING 0.00 2,000.00 0.00 0.00 0.00 0.00 0.00	FEES O/T DUES AND SUBSCRIPTIONS	841.78	1,982.00	341.46	1,933.0
PROCESS CHEMICALS AND SUPPLIES 7,816.23 12,500.00 0.00 10. 10. 10. 10. 10. 10. 10. 1	MAINT AND OPER SUPPLIES	10,660.44	16,800.00	7,278.38	16,800.00
FUEL, OIL, AND LUBRICANTS	LAB SUPPLIES	15,437.05	12,200.00	5,672.30	22,900.00
INSTRUMENTATION MAINT & SUPPLIES 2,955.40 6,500.00 1,572.25 2,	PROCESS CHEMICALS AND SUPPLIES	320,405.30	434,148.00	207,382.67	600,960.0
COMPUTER MAINTENANCE AND SUPPLIES Supplies Total: 362,910.09 490,800.00 231,149.65 666,	FUEL, OIL, AND LUBRICANTS	7,816.23	12,500.00	0.00	10,400.00
Supplies Total: 362,910.09 490,800.00 231,149.65 666,	INSTRUMENTATION MAINT & SUPPLIES	2,955.40	6,500.00	6,431.96	6,500.0
ENGINEERING 0.00 0.00 0.00 0.00 0.00 71, LEGAL SERVICES 0.00 250.00 0.00 0.00 OUTSIDE SERVICES 3.059.45 6.000.00 1,137.54 6, OTHER PROFESSIONAL SERVICES 2,790.33 2,890.00 2,495.74 2, INFORMATION TECHNOLOGY SERVICES 8,020.00 10,757.00 8,069.00 115, TECHNICAL SERVICES AND BASIN PLANNING 12,693.00 13,656.00 10,242.00 17, TELEPHONE AND TELEMETRY 2,006.43 3,000.00 0.00 POSTAGE 332.08 600.00 349.55 PRINTING AND BINDING 67.48 200.00 45.00 INSURANCE 42,965.00 46,901.00 46,901.00 26, TRAVEL 882.91 2,150.00 750.43 2, LAUNDRY, UNIF, AND IND. EQUIPMENT 3,708.35 4,020.00 2,389.30 4, TRAINING 1,339.31 2,730.00 2,355.00 3, UTILITIES 184,269.67 176,400.00 98,982.56 221, WATER 463,268.00 463,268.00 463,268.00 463, REMIMPROVEMENTS O/T BUILDINGS 487.25 0.00 0.00 REPAIRS AND MAINTENANCE-PLANT 109,550.18 86,400.00 2,792.98 6, REPAIRS AND MAINTENANCE -PLANT 109,550.18 86,400.00 22,599.32 184, REPAIRS AND MAINTENANCE -PLANT 109,550.18 86,400.00 22,599.32 184, REPAIRS AND MAINTENANCE -PLANT 109,550.18 86,400.00 27,92.98 16, REPAIRS AND MAINTENANCE -PLANT 113,87 6,000.00 145.71 2, REPAIRS AND MAINTENANCE -PLANT 115,230.00 127,380.00 145.71 2, REPAIRS AND MAINTENANCE -PLANT 115,230.00 127,380	COMPUTER MAINTENANCE AND SUPPLIES	0.00	2,000.00	1,572.25	2,000.00
LEGAL SERVICES 0.00 250.00 0.	Supplies Total:	362,910.09	490,800.00	231,149.65	666,063.00
OUTSIDE SERVICES OTHER PROFESSIONAL SERVICES OTHER PROFESSIONAL SERVICES OTHER PROFESSIONAL SERVICES INFORMATION TECHNOLOGY SERVICES ROBORD INFORMATION TECHNOLOGY SERVICES ROBORD INFORMATION TECHNOLOGY SERVICES ROBORD ITECHNICAL SERVICES AND BASIN PLANNING I 12,693.00 13,656.00 10,242.00 115, TECHNICAL SERVICES AND BASIN PLANNING I 12,693.00 13,656.00 10,242.00 115, TELEPHONE AND TELEMETRY 2,006.43 3,000.00 0.00 POSTAGE PRINTING AND BINDING 67.48 200.00 45.00 INSURANCE 42,965.00 46,901.00 46,901.00 26, TRAVEL LAUNDRY, UNIF, AND IND. EQUIPMENT 3,708.35 4,020.00 2,389.30 4, TRAINING 1,339.31 2,730.00 2,385.00 3, UTILITIES 184,269.67 176,400.00 98,982.56 221, WATER 463,268.00 463,268.00 463,268.00 463,268.00 463,268.00 463,268.00 463,268.00 463,268.00 463,268.00 463,268.00 463,268.00 10,000 REPAIRS AND MAINTENANCE-EQUIPMENT 113.87 6,000.00 2,792.98 6, REPAIRS AND MAINTENANCE-EQUIPMENT 119,550.18 86,400.00 22,599.32 184, REPAIRS AND MAINTENANCE - VEHICLES 2,135.41 1,500.00 145.71 2, REPAIRS AND MAINTENANCE - VEHICLES 2,135.41 1,500.00 145.71 2, REPAIRS AND MAINTENANCE-EMERGENCY 0.00 2,000.00 0.00 145.71 2, REPAIRS AND MAINTENANCE-EMERGENCY 0.00 2,000.00 0.00 145.71 2, REPAIRS AND MAINTENANCE-EMERGENCY 0.00 2,000.00 0.00 145.71 2, REPAIRS AND MAINTENANCE-EMERGENCY 0.00 1,000	ENGINEERING	0.00	0.00	0.00	71,500.00
OTHER PROFESSIONAL SERVICES 2,790.33 2,890.00 2,495.74 2,10FORMATION TECHNOLOGY SERVICES 8,020.00 10,757.00 8,069.00 115,15 TECHNICAL SERVICES AND BASIN PLANNING 12,693.00 13,656.00 10,242.00 17,15 TELEPHONE AND TELEMETRY 2,006.43 3,000.00 0.00 0.00 POSTAGE 332.08 600.00 349.55 PRINTING AND BINDING 67.48 200.00 45.00 INSURANCE 42,965.00 46,901.00 46,901.00 26,501.00 TRAVEL 882.91 2,150.00 750.43 2,502.00 3,708.35 4,020.00 2,389.30 4,702.00 3,708.35 4,020.00 2,389.30 4,702.00 2,389.30 4,702.00 3,708.35 4,020.00 2,389.30 4,702.00 2,385.00 3,708.35 4,020.00 2,389.30 4,702.00 3,708.35 4,020.00 2,389.30 4,702.00 3,708.35 4,020.00 2,385.00 3,708.35 4,020.00 2,385.00 3,708.35 4,020.00 2,385.00 3,708.35 4,020.00	LEGAL SERVICES	0.00	250.00	0.00	250.00
INFORMATION TECHNOLOGY SERVICES 8,020.00 10,757.00 8,069.00 115,	OUTSIDE SERVICES	3,059.45	6,000.00	1,137.54	6,000.00
TECHNICAL SERVICES AND BASIN PLANNING 12,693.00 13,656.00 10,242.00 17,	OTHER PROFESSIONAL SERVICES	2,790.33	2,890.00	2,495.74	2,890.0
TELEPHONE AND TELEMETRY POSTAGE 332.08 00.00 349.55 PRINTING AND BINDING 67.48 200.00 45.00 INSURANCE 42,965.00 46,901.00 46,901.00 26, TRAVEL 882.91 2,150.00 750.43 2, LAUNDRY, UNIF, AND IND. EQUIPMENT 3,708.35 4,020.00 2,389.30 4, TRAINING 1,339.31 2,730.00 2,355.00 3, UTILITIES 463,268.00 463,	INFORMATION TECHNOLOGY SERVICES	8,020.00	10,757.00	8,069.00	115,206.0
POSTAGE PRINTING AND BINDING 67.48 200.00 45.00 INSURANCE 42,965.00 46,901.00 46,901.00 46,901.00 26, TRAVEL 882.91 2,150.00 750.43 2, LAUNDRY, UNIF, AND IND. EQUIPMENT 3,708.35 4,020.00 2,389.30 4, TRAINING 1,339.31 2,730.00 2,385.50 3, UTILITIES 184,269.67 176,400.00 98,982.56 221, WATER 463,268.00 463,268.00 463,268.00 463,268.00 463,268.00 463,268.00 463,268.00 463,268.00 2,792.98 6, REPAIRS AND MAINTENANCE-EQUIPMENT 113.87 6,000.00 2,792.98 6, REPAIRS AND MAINTENANCE - VEHICLES 2,135.41 1,500.00 145.71 2, REPAIRS AND MAINTENANCE-EMERGENCY 0.00 100 REPAIRS AND MAINTENANCE-EMERGENCY 0.00 100 REPAIRS AND MAINTENANCE-EMERGENCY 0.00 100 100 RENT- MACHINERY & EQUIPMENT 0.00 100 100 RENT- MACHINERY & EQUIPMENT 0.00 100 100 RENT- MACHINERY & EQUIPMENT 0.00 100 RENT- MACHINERY & EQUIPMENT 0.00 13,126.00 20, OPERATING OVERHEAD 115,230.00 127,380.00 127,380.00 127,380.00 127,380.00 127,380.00 127,380.00 127,380.00 127,380.00 128,816.61 Capital Outlays Total: 0.00 35,000.00 0.00 0.00 0.00 2,000.00 0.00 0.0	TECHNICAL SERVICES AND BASIN PLANNING	12,693.00	13,656.00	10,242.00	17,857.0
PRINTING AND BINDING	TELEPHONE AND TELEMETRY	2,006.43	3,000.00	0.00	0.0
NSURANCE 42,965.00 46,901.00 46,901.00 26,	POSTAGE	332.08	600.00	349.55	600.0
TRAVEL LAUNDRY, UNIF, AND IND. EQUIPMENT 3,708.35 4,020.00 2,389.30 4, TRAINING 1,339.31 2,730.00 2,355.00 3, UTILITIES 184,269.67 176,400.00 98,982.56 221, WATER 463,268.00 463,268.00 463,268.00 463,268.00 463,268.00 463,268.00 REPAIRS AND MAINTENANCE-EQUIPMENT 113.87 6,000.00 REPAIRS AND MAINTENANCE - PLANT 109,550.18 REPAIRS AND MAINTENANCE - VEHICLES 2,135.41 REPAIRS AND MAINTENANCE-EMERGENCY 0.00 REPAIRS AND MAINTENANCE-EMERGENCY 0.00 REPAIRS AND MAINTENANCE-EMERGENCY 0.00 REPAIRS AND MAINTENANCE - BLANT 0.00 REPAIRS A	PRINTING AND BINDING	67.48	200.00	45.00	200.00
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Services and Charges Total: 1,235,813.92 1,267,264.00 1,001,661.08 1,634,					221,866.0
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Capital Outlays Total: 0.00 35,000.00 42,881.61 DEBT RELATED FEES 2,070.00 2,470.00 0.00 2,					
DEBT RELATED FEES 2,070.00 2,470.00 0.00 2,					0.00
			·	•	0.00
Transfers & Misc Total: 2,070.00 2,470.00 0.00 2,					2,300.00
	Transfers & Misc Total:	2,070.00	2,470.00	0.00	2,300.00
O&M Expense Grand Total: 2,110,378.96 2,316,108.00 1,576,092.94 2,876,	O&M Expense Grand Total:	2,110,378.96	2,316,108.00	1,576,092.94	2,876,926.00

Fiscal Year 2024 Budget

Livingston Regional Wa	nter Supply System - 246600,	246700			
		<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
BOND PRINCIPAL PAYMENTS - I&S INTEREST ON LONG-TERM DEBT - I&S Debt Service Total:		760,000.00 790,490.03 1,550,490.03	790,000.00 762,881.00 1,552,881.00	0.00 377,090.82 377,090.82	690,000.00 695,703.00 1,385,703.00
	Debt Service Grand Total:	1,550,490.03	1,552,881.00	377,090.82	1,385,703.00
Livingston Regional Water Supply System - 246600, 246700	O&M Expense/Debt Service Grand Total:	3,660,868.99	3,868,989.00	1,953,183.76	4,262,629.00

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TRINITY COUNTY REGIONAL **WATER SUPPLY SYSTEM**

Began Service: 1983 Location: Trinity

Treatment Capacity: 1.0 MGD

FY2024 Budgeted Flow: 0.500 MGD



The Trinity County Regional Water Supply System has provided drinking water to Trinity and Groveton, the Westwood Shores Municipal Utility District and the Glendale, Riverside and Trinity Rural Water Supply corporations. In early 2021, a new contract was negotiated, and the city of Trinity became the sole contracting customer of the system. This innovative project draws raw water from Lake Livingston through 18 shallow wells placed in existing sand and gravel deposits on the Trinity County shoreline. The deposits act as filters and reduce the ultimate treatment costs. The water undergoes additional filtration and disinfection at the plant before distribution to the customer's storage facilities.

CUSTOMERS - Glendale Water Supply Corp.

- Trinity

(dash denotes city of Trinity customer)

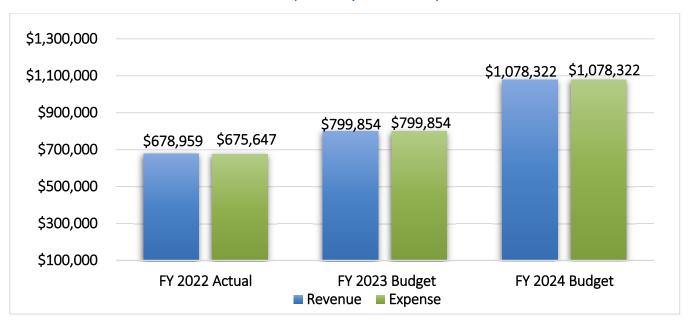
PERFORMANCE MEASURES

TCRWSS sets performance measures that are tracked on a quarterly basis throughout the budget year. TCRWSS performance goals for FY 2024:

		Performance Measures	FY 2022 Actual	FY 2023 Target	FY 2024 Target	
Goal	Goal 4: The Trinity River Authority stands for excellence in all things.	Maintain at least				
Strategy	2.1: Proactively advocate and respond to the regulatory environment using TRA's robust data, research and expertise.	95% of yearly average turbidity readings at 0.070 NTU to protect the	93%	95%	95%	
Initiative	Continue efforts to provide safe uninterrupted drinking water that meets state and federal requirements.	public.				
Goal	Goal 4: The Trinity River Authority stands for excellence in all things.	Maintain 100% of				
Strategy	2.1: Proactively advocate and respond to the regulatory environment using TRA's robust data, research and expertise.	chlorine residual readings between 3.0 and 4.0 mg/L to	98%	100%	100%	
Initiative	Continue efforts to provide safe uninterrupted drinking water that meets state and federal requirements.	provide the required disinfection levels.				
Goal	Goal 1: The Trinity River Authority proactively engages in initiatives that foster a robust talent pipeline.	Work with		1 Upgraded	1	
Strategy	1.2: Develop clear career pathways for TRA employees.	operations staff to upgrade water	2 Upgraded licenses		1 Upgraded	
Initiative	Ensure all employees have a career path at TRA while continuing to prepare for succession planning.	license.	iicenses	license	license	

FY 2024 BUDGET SUMMARY

Revenue & Expense by Year Comparison

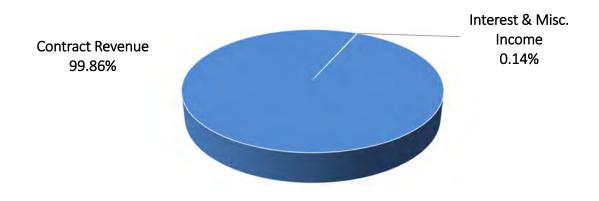


FY 2024 REVENUE BUDGET - SUMMARY

Revenue by Year

	FY 2022 Actual		FY 20	FY 2023 Budget)24	%	
			Bud			get	Change	
Contract Revenue	\$	680,845	\$ 799	9,854	\$ 1,07	6,822	34.63%	6
Interest & Misc. Income		(1,886)		-	:	1,500	100.00%	6
Total Revenue	\$	678,959	\$ 799	9,854	\$ 1,07	8,322	34.81%	ś

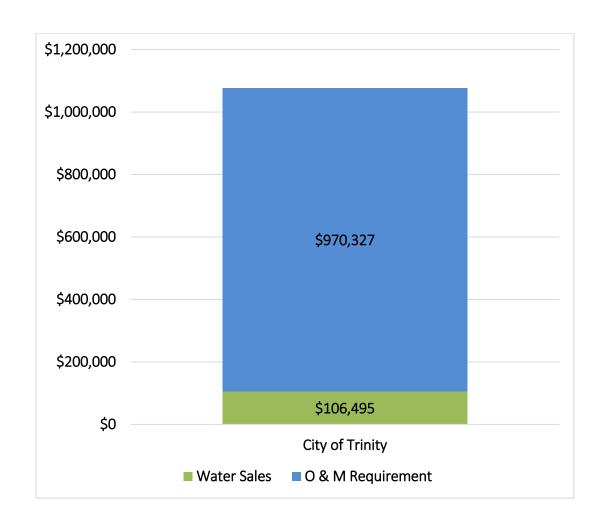
FY 2024 Revenue Categories



FY 2024 REVENUE BUDGET - SUMMARY (CONTINUED)

FY 2024 Contract Revenue Requirement

		City of Trinity
O&M Requirement		\$ 970,327
Water Sales		106,495
	Total	\$ 1,076,822

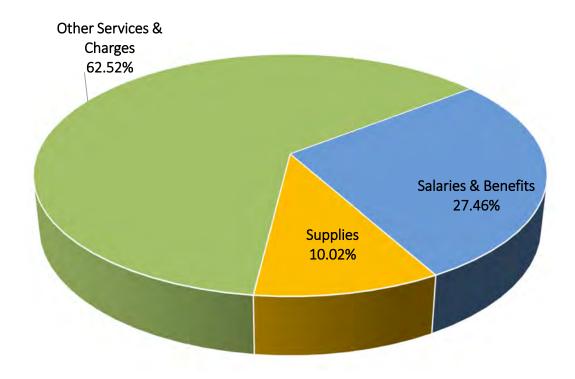


FY 2024 EXPENSE BUDGET - SUMMARY

Expense by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Salaries & Benefits	\$ 252,273	\$ 289,263	\$ 296,123	2.37%
Supplies	35,600	84,818	108,059	27.40%
Other Services & Charges	377,779	425,773	674,140	58.33%
Capital Outlays	9,995	-	-	0.00%
Total Expense	\$ 675,647	\$ 799,854	\$ 1,078,322	34.81%

FY 2024 Expense Categories



BUDGET HIGHLIGHTS

Salaries & Benefits

- o Salaries expense reflects a decrease related to the reduction of compensated absences for employees meeting the Rule of 80 and anticipated overtime hours.
- o Health insurance expense is projected to increase related to premium rates.

Supplies

- o Process chemical expense reflects an increase related to the bid unit costs for process chemicals used in the water treatment process to provide safe drinking water that meets state and regulatory standards.
- o Instrumentation maintenance and supplies reflects a decrease as the SCADA upgrade project was completed in the prior fiscal year.

Other Services & Charges

- o Engineering services expense reflects an increase for an ARC Flash Study to be conducted during the fiscal year.
- o Repair and maintenance-improvement other than buildings expense are projected to increase for fence repair in the area surrounding the wells and replacement of four pumps in the well field.
- o Repair and maintenance-plant expenses are projected to increase for items including the service on high service pumps, filter maintenance and a new chlorite storage tank.
- o The System also anticipates an increase in expenses related to allocated services for information technology, interfund services for purchasing and operating and administrative overhead.

Capital Outlays

o No capital outlay expenses are planned for the fiscal year.

STAFFING SUMMARY

TCRWSS employs 3 full-time employees. No new positions are included in the FY 2024 budget.

	FY 2022	FY 2023	FY 2024	FY23-24
	Budget	Budget	Budget	Change
Full-time	3	3	3	-

FY 2024 FLOW DATA & COST PER 1,000/GAL PROJECTION

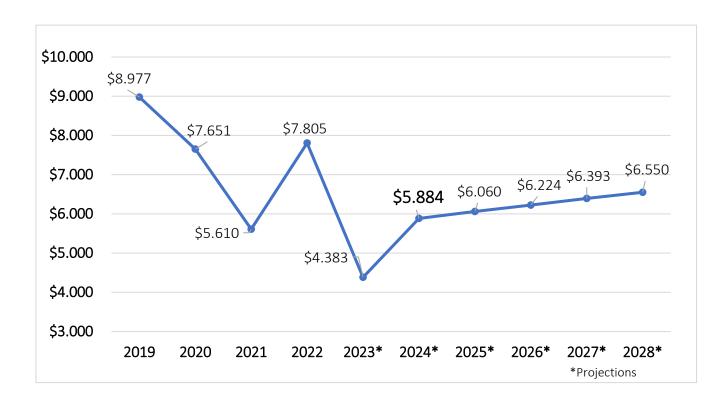
The cost per 1,000/gallon rate is based on contracting party projected flows. FY 2024 cost per 1,000/gallon rate is \$5.884 based on a projected flow of 0.500 MGD. This flow is contracted for the fiscal year and the same as prior year.

Budgeted Flow Comparison

	FY 2022	FY 2023	FY 2024
	Actual	Budgeted	Budgeted
	Flow	Flow	Flow
	(MGD)	(MGD)	(MGD)
TCRWSS	0.239	0.500	0.500

The projected flows were used to develop the FY 2024 O&M expense budget and to allocate the revenue requirement.

Cost/1,000 gallons



Fiscal Year 2024 Budget

Trinity County Regional Water Supply S	System - 240600, 240	700			
		2022 Actual	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	2024 Budget
Revenue					
**** CONT.REV CITY OF TRINITY-CA	ASH 5	574,349.81	693,359.00	520,020.00	970,327.00
**** WATER SALES - CITY OF TRINITY	1	106,495.00	106,495.00	79,875.00	106,495.00
Contract Reve	enue Total:	680,844.81	799,854.00	599,895.00	1,076,822.00
INTEREST INCOME		-1,886.35	0.00	3,827.43	1,500.00
Miscellaneous Inc	ome Total:	-1,886.35	0.00	3,827.43	1,500.00
Trinity County Regional Water Supply System - 240600, 240700 Revenue Gr	rand Total:	678,958.46	799,854.00	603,722.43	1,078,322.00

Fiscal Year 2024 Budget

	<u>2022</u> Actual	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>20:</u> Budg
M Expense/Debt Service				
SALARIES	156,480.07	189,463.00	91,857.52	182,104.
PAYROLL TAXES-FICA	11,265.12	14,494.00	6,752.01	13,625
EMPLOYEE BENEFIT - HEALTH/LIFE	64,681.94	64,605.00	38,032.62	78,588
EMPLOYEE BENEFIT - PENSION	17,215.85	18,131.00	9,891.24	19,176
EMPLOYEE RECOGNITION	2,630.00	2,570.00	2,450.00	2,630
Salaries and Benefits Total:	252,272.98	289,263.00	148,983.39	296,123
OFFICE SUPPLIES	1,929.90	1,300.00	465.64	2,300
DUES AND SUBSCRIPTIONS	259.45	360.00	260.39	360
FEES O/T DUES AND SUBSCRIPTIONS	596.60	1,522.00	240.74	1,522
MAINT AND OPER SUPPLIES	4,863.56	5,200.00	571.16	5,200
LAB SUPPLIES	4,337.39	5,500.00	2,652.21	9,800
PROCESS CHEMICALS AND SUPPLIES	15,709.74	23,936.00	32,526.00	65,477
FUEL, OIL, AND LUBRICANTS	5,935.07	12,500.00	1,616.04	10,400
INSTRUMENTATION MAINT & SUPPLIES	1,405.28	34,000.00	1,177.01	12,500
COMPUTER MAINTENANCE AND SUPPLIES	563.02	500.00	240.21	500
Supplies Total:	35,600.01	84,818.00	39,749.40	108,059
ENGINEERING	0.00	0.00	0.00	62,000
LEGAL SERVICES	0.00	100.00	0.00	100
OUTSIDE SERVICES	1,871.31	1,000.00	384.41	1,000
OTHER PROFESSIONAL SERVICES	5.55	300.00	55.00	300
INFORMATION TECHNOLOGY SERVICES	7,570.00	10,298.00	7,724.00	18,211
TECHNICAL SERVICES AND BASIN PLANNING	7,608.00	7,275.00	5,457.00	8,538
TELEPHONE AND TELEMETRY	1,511.68	0.00	0.00	0
POSTAGE	14.09	200.00	25.73	200
PRINTING AND BINDING	0.00	100.00	0.00	100
INSURANCE	11,997.00	10,704.00	10,704.00	11,478
TRAVEL	120.37	850.00	324.30 941.21	850 2 540
LAUNDRY, UNIF, AND IND. EQUIPMENT TRAINING	2,089.19 1,299.99	2,360.00 1,365.00	1,195.00	2,510 1,365
UTILITIES	36,857.29	50,000.00	26,528.02	50,000
WATER	106,495.00	106,495.00	106,495.00	106,495
R&M IMPROVEMENTS O/T BUILDINGS	323.14	24,000.00	4,349.11	39,583
REPAIRS AND MAINTENANCE-EQUIPMENT	985.60	3,000.00	300.72	3,000
REPAIRS AND MAINTENANCE - PLANT	73,488.25	63,500.00	8,350.44	178,375
REPAIRS AND MAINTENANCE - VEHICLES	351.95	2,000.00	187.85	2,000
BIOSOLIDS DISPOSAL	2,308.50	3,000.00	0.00	5,000
RENT - MACHINERY & EQUIPMENT	1,569.36	2,000.00	1,828.54	500
INTERFUND SERVICES AND CHARGES	1,146.60	1,202.00	266.00	13,174
OPERATING OVERHEAD	67,316.00	69,524.00	69,524.00	83,226
ADMINISTRATIVE OVERHEAD	52,850.00	66,500.00	66,500.00	86,135
Services and Charges Total:	377,778.87	425,773.00	311,140.33	674,140
MACHINERY & EQUIPMENT	9,994.60	0.00	0.00	0
Capital Outlays Total:	9,994.60	0.00	0.00	0
Trinity County egional Water Supply O&M Expense/Debt Service stem - 240600, 240700 Grand Total:	675,646.46	799,854.00	499,873.12	1,078,322

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LAKE LIVINGSTON PROJECT

Began Service: 1971 Location: Livingston 450 miles of shoreline 83,000 surface acres



The largest single-purpose reservoir in Texas at 83,000 surface acres, Lake Livingston was completed in 1971 as the result of a contract between the Trinity River Authority of Texas and the city of Houston. TRA financed and constructed the lake, along with Lake Livingston Dam, and continues to own and operate both. The dam, constructed across the Trinity River approximately seven miles southwest of Livingston, is 2.5 miles long and is the only dam on the main stem of the Trinity River. Lake Livingston has no flood control or flood storage capacity - flow through the dam is controlled by 12 tainter gates in a concrete and steel spillway. Operation of the spillway mirrors river behavior - as river flow increases, discharges will increase as well. Lake Livingston has a normal pool elevation of 131 feet above mean sea level and supplies water to four surrounding counties, plus the city of Houston.

TRA and the East Texas Electric Cooperative broke ground on May 27, 2015 on the R.C. Thomas Hydroelectric Project at the dam. The project, which was dedicated on Nov. 12, 2021, was developed in cooperation with TRA and the city of Houston. Hydroelectric power is generated using run-of-the-river flows and releases to meet downstream commitments through the dam. The level of the lake is not affected during operation of the project. The 24-megawatt plant will generate, on average, approximately 124 million kilowatt-hours of electricity per year. This is enough energy to serve approximately 12,000 households.

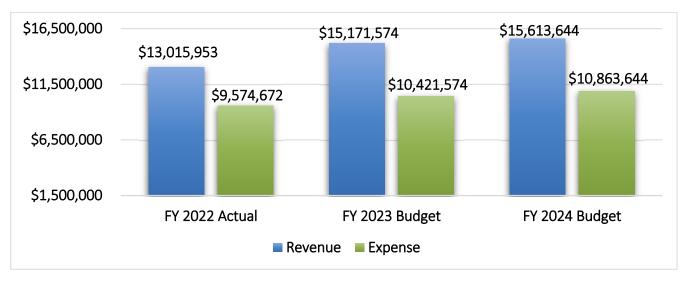
PERFORMANCE MEASURES

LLP sets performance measures that are tracked on a quarterly basis throughout the budget year. LLP performance goals for FY 2024:

		Performance Measures	FY 2022 Actual	FY 2023 Target	FY 2024 Target
Goal Strategy	Goal 4: The Trinity River Authority stands for excellence in all things.4.1: Continue fostering a culture of excellence and innovation within the organization.	Increase % of active monitoring man hours for items specified in DSSMP such as			
Initiative	Continue efforts in dam safety, gate operations and flow management to meet state and federal requirements.	piezometers, toe drains, and relief well flows to reduce number of issues found during inspection.	15%	15%	20%
Goal	Goal 2: The Trinity River Authority leverages the full breadth of its powers for the betterment of the basin and organization.	Increase the % of			
Strategy	2.1: Proactively advocate and respond to the regulatory environment using TRA's robust data, research and expertise.	surveillance samples with recreational limit	20%	25%	25%
Initiative	Assure Lake Livingston water quality through targeted sampling, continued monitoring of lake data, and routine inspection of septic systems within WQZ (water quality zone).	of less than 126 MPN/100ml.			
Goal	Goal 4: The Trinity River Authority stands for excellence in all things.	Reduce # of			
Strategy	2.1: Proactively advocate and respond to the regulatory environment using TRA's robust data, research and expertise.	citations issued and incident reports related to	23	30	25
Initiative	Ensure public safety and overall security of dam and project properties through utilization of video surveillance, controlled access fencing and dedicated security personnel.	project security through active monitoring efforts.			
Goal	Goal 1: The Trinity River Authority proactively engages in initiatives that foster a robust talent pipeline.	Work with			
Strategy	1.2: Develop clear career pathways for TRA employees.	operations staff to upgrade water	1 Upgraded license	1 Upgraded license	1 Upgraded license
Initiative	Ensure all employees have a career path at TRA while continuing to prepare for succession planning.	license.			

FY 2024 BUDGET SUMMARY



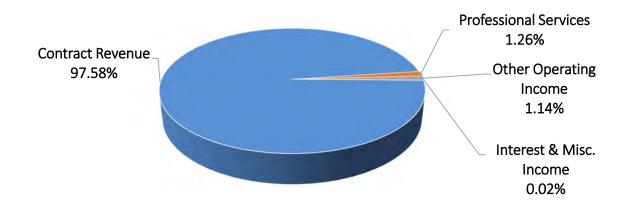


FY 2024 REVENUE BUDGET - SUMMARY

Revenue by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Contract Revenue	\$ 12,697,887	\$ 14,829,236	\$ 15,235,828	2.74%
Professional Services	162,260	186,559	196,316	5.23%
Other Operating Income	160,894	152,779	178,500	16.84%
Interest & Misc. Income	(5,088)	3,000	3,000	0.00%
Total Revenue	\$ 13,015,953	\$ 15,171,574	\$ 15,613,644	2.91%

FY 2024 Revenue Categories



FY 2024 REVENUE BUDGET - SUMMARY (CONTINUED)

FY 2024 Contract Revenue Requirement

	Lake Livingston Project
O&M Requirement - 100% Cost	\$ 5,735,828
Water Sales - Houston	4,750,000
Water Sales Fund Credit - Internal TRA	4,750,000
Total	\$ 15,235,828

The Lake Livingston Project is funded through a cost share agreement with the City of Houston (70%) and TRA (30%).

FY 2024 City of Houston Budgeted Revenue Requirement

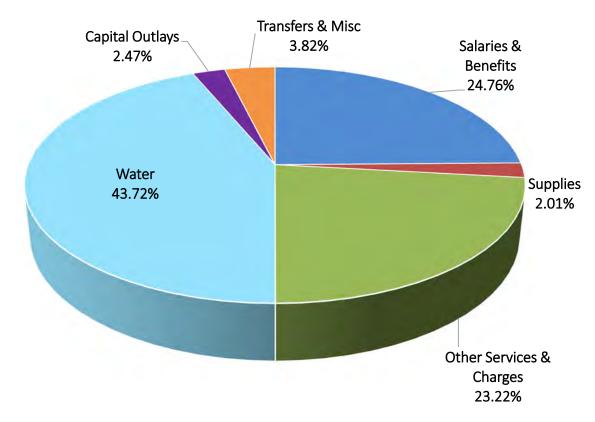


FY 2024 EXPENSE BUDGET - SUMMARY

Expense by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Salaries & Benefits	\$ 2,162,505	\$ 2,436,912	\$ 2,690,051	10.39%
Supplies	214,316	219,200	217,170	(0.93%)
Other Services & Charges	1,848,647	2,303,820	2,522,681	9.50%
Water	4,750,000	4,750,000	4,750,000	0.00%
Capital Outlays	185,408	296,300	268,400	(9.42%)
Transfers & Misc. (Debt Service)	413,796	415,342	415,342	0.00%
Total O&M Expense	\$ 9,574,672	\$ 10,421,574	\$ 10,863,644	4.24%

FY 2024 Expense Categories



BUDGET HIGHLIGHTS

Salaries & Benefits

- o Salaries expense reflects an increase related to merit and progressions for skilled staff based upon the Authority's Salary Administration Plan. The Project also has budgeted an increase in compensated absences for two employees who will meet the Rule of 80 during the fiscal year.
- o Health insurance expense is projected to increase related to premium rates.

Supplies

- o Maintenance and operating supplies expenses are budgeted to increase to convert existing office light fixtures to LED lighting.
- o Fuel, oil and lubricants expense is projected to decrease based on usage and estimated decreasing unit prices.

Other Services & Charges

- o Engineering expense is budgeted to decrease based on the completion of a table top exercise in the prior year.
- Outside services expense is budgeted to decrease for security camera contracts transferred to ITSS.
- o Repair and maintenance-equipment expenses are anticipated to increase for services to be performed on the air boat.
- o Repair and maintenance-plant expenses are projected to increase for operations and maintenance expenses at Wallisville paid to the USACE.
- o The Project anticipates increases in allocated costs related to information technology and administrative services.

Capital Outlays

o Capital outlays expenses reflect a decrease but the Project anticipates completing a new asphalt employee parking lot and driveway connecting the project site to the highway.

STAFFING SUMMARY

LLP employs 27 full time and four seasonal employees. No new positions are included in the FY 2024 budget.

	FY 2022	FY 2023	FY 2024	FY23-24
	Budget	Budget	Budget	Change
Full-time	27	27	27	-
Seasonal	4	4	4	-

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Fiscal Year 2024 Budget

OPERATING FUNDS

Livingsto	n - Wallisville Project - 351600, 351100				
		<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
Revenue					
****	LAKE LIVINGSTON WATER SALES CREDIT	40,149.87	0.00	16,116.18	0.00
***	LAKE LIVINGSTON WATER SALES CREDIT	4,750,000.00	4,750,000.00	4,750,000.00	4,750,000.00
***	CONT. REV HOUSTON-CASH	3,157,737.52	5,329,236.00	1,911,996.05	5,735,828.00
****	WATER SALES - CITY OF HOUSTON	4,750,000.00	4,750,000.00	4,750,000.00	4,750,000.00
	Contract Revenue Total:	12,697,887.39	14,829,236.00	11,428,112.23	15,235,828.00
INTERF	UND SERVICES & CHARGES	8,846.90	0.00	216.00	0.00
PROFE	SSIONAL FEES	153,413.43	186,559.00	86,634.41	196,316.00
	Professional Services Total:	162,260.33	186,559.00	86,850.41	196,316.00
SITE EV	/ALUATIONS, LICENSES, FEES	160,893.97	152,779.00	53,049.75	178,500.00
	Other Operating Income Total:	160,893.97	152,779.00	53,049.75	178,500.00
GRANT	S	-7,428.73	0.00	0.00	0.00
INTERE	EST INCOME	338.05	0.00	1,294.39	0.00
SALE O	F CAPITAL ASSETS	0.00	2,000.00	32,653.43	2,000.00
MISCEL	LANEOUS INCOME	2,002.07	1,000.00	400.00	1,000.00
	Miscellaneous Income Total:	-5,088.61	3,000.00	34,347.82	3,000.00
3	on - Wallisville 851600, 351100 Revenue Grand Total:	13,015,953.08	15,171,574.00	11,602,360.21	15,613,644.00

Fiscal Year 2024 Budget

OPERATING FUNDS

	<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>20</u> Budg
M Expense/Debt Service				
SALARIES	1,459,600.89	1,698,548.00	894,102.84	1,805,924
PAYROLL TAXES-FICA	119,706.07	129,939.00	67,553.79	137,847
EMPLOYEE BENEFIT - HEALTH/LIFE	391,563.89	389,327.00	251,180.66	514,825
EMPLOYEE BENEFIT - PENSION	163,833.61	189,858.00	102,094.75	199,480
UNEMPLOYMENT COMPENSATION	0.00	1,000.00	0.00	1,000
EMPLOYEE RECOGNITION	27,800.40	28,240.00	25,378.00	30,975
Salaries and Benefits Total:	2,162,504.86	2,436,912.00	1,340,310.04	2,690,051
OFFICE SUPPLIES	7,706.75	9,800.00	3,003.22	11,170
DUES AND SUBSCRIPTIONS	2,386.62	3,300.00	1,092.72	3,900
FEES O/T DUES AND SUBSCRIPTIONS	4,717.83	4,900.00	3,093.05	5,000
MAINT AND OPER SUPPLIES	22,353.21	17,300.00	10,586.68	22,200
LAB SUPPLIES	52,110.91	55,800.00	30,712.49	57,000
FUEL, OIL, AND LUBRICANTS	99,283.06	100,400.00	44,717.85	87,700
INSTRUMENTATION MAINT & SUPPLIES	3,617.00	3,000.00	0.00	3,000
COMPUTER MAINTENANCE AND SUPPLIES	24,220.56	24,700.00	31.158.54	27,200
SUPPLIES CREDIT	-2,079.80	0.00	0.00	0
Supplies Total:	214,316.14	219,200.00	124,364.55	217,170
ENGINEERING	23,469.73	81,000.00	40,504.27	58,000
LEGAL SERVICES	0.00	10,000.00	0.00	10,000
OUTSIDE SERVICES	342,107.76	359,800.00	195,472.76	359,700
OTHER PROFESSIONAL SERVICES	6,411.95	78,600.00	27,374.20	15,900
INFORMATION TECHNOLOGY SERVICES	174,560.00	213,351.00	160,014.00	341,853
TECHNICAL SERVICES AND BASIN PLANNING	173,103.00	177,875.00	133,406.00	195,190
TELEPHONE AND TELEMETRY	12,573.59	1,800.00	1,050.00	5,500
POSTAGE	11,815.88	11,600.00	6,268.08	13,300
PRINTING AND BINDING	4,263.84	4,000.00	1,385.39	4,500
INSURANCE	69,815.00	63,778.00	62,778.00	66,852
TRAVEL	13,052.83	15,000.00	6,527.05	15,000
LAUNDRY, UNIF, AND IND. EQUIPMENT	8,060.10	11,700.00	7,535.07	13,000
TRAINING	7,243.61	7,600.00	1,842.25	7,800
UTILITIES	44,329.25	42,000.00	20,694.53	44,500
WATER	4,750,000.00	4,750,000.00	4,750,000.00	4,750,000
REPAIRS AND MAINTENANCE-EQUIPMENT	27,346.23	29,700.00	18,654.55	46,300
REPAIRS AND MAINTENANCE - PLANT	316,627.62	499,300.00	301,469.81	539,736
REPAIRS AND MAINTENANCE - VEHICLES	15,743.64	12,200.00	5,398.16	15,200
RENT - MACHINERY & EQUIPMENT	25,507.57	12,500.00	6,644.09	25,500
INTERFUND SERVICES AND CHARGES	0.00	2,676.00	2,676.00	0
ADMINISTRATIVE OVERHEAD	573,470.00	669,340.00	669,340.00	744,850
OTHER SERVICES & CHARGES CREDIT	-854.30	0.00	0.00	0
Services and Charges Total:	6,598,647.30	7,053,820.00	6,419,034.21	7,272,681
MPROVEMENTS O/T BUILDINGS	16,987.46	111,700.00	61,294.47	110,000
MACHINERY & EQUIPMENT	168,420.84	184,600.00	162,155.31	158,400
Capital Outlays Total:	185,408.30	296,300.00	223,449.78	268,400
CONTRACT PRINCIPAL PAYMENTS	152,977.83	155,405.00	156,647.49	160,412
INTEREST ON CONTRACT PAYABLES	260,818.23	259,937.00	255,555.11	254,930
Transfers & Misc Total:	413,796.06	415,342.00	412,202.60	415,342
vingston - Wallisville oject - 351600, 351100 O&M Expense/Debt Service	9,574,672.66	10,421,574.00	8,519,361.18	10,863,644

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LIVINGSTON RECREATIONAL FACILITIES

Opened: 1972, near Coldspring, TX Wolf Creek Park, 110-acre park



The Trinity River Authority owns and operates several recreational facilities on Lake Livingston, including one full-service camping facility, one day-use facility and multiple free public boat ramps.

Wolf Creek Park, a 110-acre park near Coldspring, Texas, opened in 1972. The park offers 102 camping sites including 54 campsites with full hookups for RVs, complete with 50-amp service and concrete pads. There are also 48 campsites with water and electricity. Park amenities include restrooms and showers, boat ramps, fishing piers, fish cleaning stations, marina, playground and volleyball and basketball courts. The park is open from March through November.

Tigerville Park is a day-use facility located in Livingston that includes a free public boat ramp, restroom facilities and day-use picnic amenities. Additionally, TRA owns and maintains four free public boat ramps around the lake including Blanchard, Patrick's Ferry, Whiterock and Point Blank.

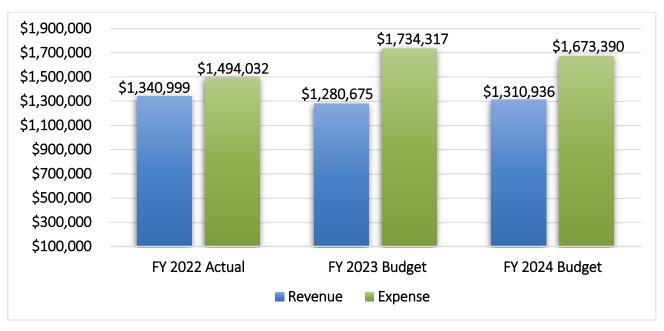
PERFORMANCE MEASURES

LRF sets performance measures that are tracked on a quarterly basis throughout the budget year. LRF performance goals for FY 2024:

		Performance Measures	FY 2022 Actual	FY 2023 Target	FY 2024 Target
Goal	Goal 4: The Trinity River Authority stands for excellence in all things.	Measure whether park maintenance and improvements	18,725	17,000	18,000
Strategy	4.3: Continue to build upon TRA's strong reputation.	increase first time and returning	60% Returning	60% Returning	60% Returning
Initiative	Maintain and improve developed park site amenities and grounds to maximize park utilization and desire for visitors to return.	visitors utilizing FY20 as base.	Visitor	Visitor	Visitor
Goal	Goal 4: The Trinity River Authority stands for excellence in all things.	Measure effectiveness of			
Strategy	2.3: Continue to build strong partnerships along the Trinity basin.	treatment of invasive aquatic vegetation in lake	124 hours 53 acres treated	288 hours 175 acres treated	288 hours 175 acres treated
Initiative	Maintain and improve recreational access to lake areas by working with the TPWD in order to treat areas that have been historically threatened by invasive aquatic vegetation.	areas through man hours spent and reduction in the areas needing treatment.			

FY 2024 BUDGET SUMMARY





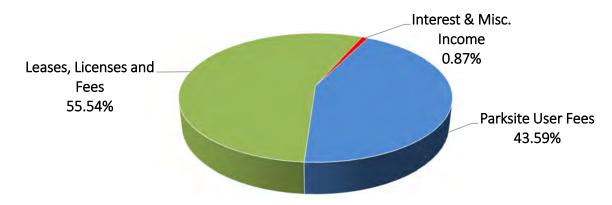
Use of fund balance budgeted in FY23 & 24 for capital outlay for park improvement projects.

FY 2024 REVENUE BUDGET - SUMMARY

Revenue by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Park Site User Fees	\$ 580,139	\$ 545,600	\$ 571,396	4.73%
Leases, Licenses and Fees	676,255	732,575	728,040	(0.62%)
Interest & Misc. Income	(6,691)	2,500	11,500	360.00%
Transfers In	91,296	-	-	0.00%
Total Revenue	\$ 1,340,999	\$ 1,280,675	\$ 1,310,936	2.36%

FY 2024 Revenue Categories

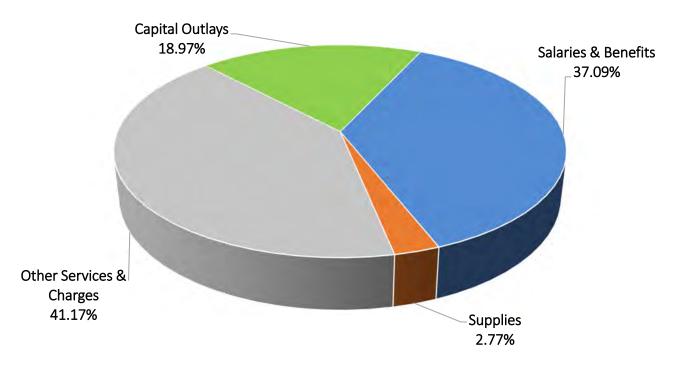


FY 2024 EXPENSE BUDGET - SUMMARY

Expense by Year

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	% Change
Salaries & Benefits	\$ 514,642	\$ 543,705	\$ 620,668	14.16%
Supplies	47,473	51,360	46,310	(9.83%)
Other Services & Charges	622,683	647,452	688,912	6.40%
Capital Outlays	309,234	491,800	317,500	(35.44%)
Total O&M Expense	\$ 1,494,032	\$ 1,734,317	\$ 1,673,390	(3.51%)

FY 2024 Expense Categories



BUDGET HIGHLIGHTS

Salaries & Benefits

- o Salaries expense reflects an increase related to the conversion of one seasonal employee to full-time maintenance mechanic II and anticipated overtime hours.
- o Health insurance expense is projected to increase related to premium rates and employee selected coverage.

BUDGET HIGHLIGHTS (CONTINUED)

Supplies Supplies

o Fuel, oil and lubricants expense is budgeted to decrease based on usage and estimated decreasing unit prices.

Other Services & Charges

- o Engineering expenses are anticipated to decrease based on a review of historical contract spend.
- o Utilities expense related to electricity is projected to increase based on prior year usage.
- o Repair and maintenance other than buildings expense is projected to decrease for lower repair costs for the Wolf Creek Park bulkhead.
- o Expenses related to allocated services in information technology and administrative overhead are budgeted to increase.

Capital Outlays

o Improvements other than buildings is budgeted to decrease with no planned capital bulkhead replacements. The Facilities has projected to complete paving at Tigerville; design a concrete ramp at the restroom area; replace the boat dock; purchase a utility truck and mower with deck.

STAFFING SUMMARY

LRF employs 7 full time and one seasonal employee. No new positions are included in the FY 2024 budget.

	FY 2022	FY 2023	FY 2024	FY23-24
	Budget	Budget	Budget	Change
Full-time	6	6	7	1
Seasonal	2	2	1	(1)

FY 2024 FUND BALANCE

FY 2024 Ending Fund Balance Projection

Available Fund Balance, 11/30/22	\$	912,801
FY23 Budgeted Fund Balance Use	(453,642)
FY24 Budgeted Fund Balance Use	(362,454)
Projected Ending Fund Balance, 11/30/24	\$	96,705
Months of Operating Expenses		0.60

Fiscal Year 2024 Budget

OPERATING FUNDS

Livingston Recreation Facilities - 461600				
	<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
Revenue				
PARKSITE INCOME	508,743.11	475,000.00	333,420.43	500,000.00
CONCESSION INCOME	71,395.55	70,600.00	31,537.45	71,396.00
Parksite User Fees Total:	580,138.66	545,600.00	364,957.88	571,396.00
LICENSES/FEES - PRIVATE FACILITIES	629,170.37	692,475.00	174,904.97	687,063.00
LICENSES/FEES - COMMERCIAL	11,900.00	7,700.00	11,900.00	8,400.00
Leases, Licenses and Fees Total:	641,070.37	700,175.00	186,804.97	695,463.00
OPERATING TRANSFERS B/W TRA FUNDS	91,295.89	0.00	136,350.00	0.00
LEASE INCOME	35,185.46	32,400.00	34,830.62	32,577.00
INTEREST INCOME	-7,029.44	0.00	19,945.18	9,000.00
SALE OF CAPITAL ASSETS	0.00	1,500.00	6,475.00	1,500.00
MISCELLANEOUS INCOME	336.60	1,000.00	0.00	1,000.00
Miscellaneous Income Total:	119,788.51	34,900.00	197,600.80	44,077.00
Livingston Recreation Facilities - 461600 Revenue Grand Total:	1,340,997.54	1,280,675.00	749,363.65	1,310,936.00

Fiscal Year 2024 Budget

OPERATING FUNDS

ivingston Recreation Facilities - 461600				
	<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budge</u>
&M Expense/Debt Service				
SALARIES	348,939.90	359,284.00	154,238.51	410,413.00
PAYROLL TAXES-FICA	25,115.77	27,485.00	11,729.67	31,091.00
EMPLOYEE BENEFIT - HEALTH/LIFE	101,234.67	108,006.00	46,562.34	125,034.0
EMPLOYEE BENEFIT - PENSION	33,556.35	36,075.00	15,360.94	44,285.0
UNEMPLOYMENT COMPENSATION	0.00	3,800.00	0.00	3,800.0
EMPLOYEE RECOGNITION	5,795.00	9,055.00	8,115.00	6,045.0
Salaries and Benefits Total:	514,641.69	543,705.00	236,006.46	620,668.0
OFFICE SUPPLIES	1,527.86	1,200.00	-743.12	1,750.0
DUES AND SUBSCRIPTIONS	311.44	960.00	358.21	960.0
FEES O/T DUES AND SUBSCRIPTIONS	1,353.51	1,600.00	102.51	2,100.0
MAINT AND OPER SUPPLIES	18,215.40	19,300.00	9,598.17	17,000.0
PROCESS CHEMICALS AND SUPPLIES	1,481.84	2,100.00	327.56	2,700.0
FUEL, OIL, AND LUBRICANTS	24,182.33	25,200.00	7,742.04	20,800.0
COMPUTER MAINTENANCE AND SUPPLIES	400.43	1,000.00	196.94	1,000.0
Supplies Total:	47,472.81	51,360.00	17,582.31	46,310.0
ENGINEERING	0.00	25,000.00	0.00	10,000.0
LEGAL SERVICES	0.00	2,500.00	0.00	2,500.0
OUTSIDE SERVICES	178,617.17	137,560.00	105,023.63	137,500.0
OTHER PROFESSIONAL SERVICES	30,569.55	3,500.00	133,900.00	10,500.0
INFORMATION TECHNOLOGY SERVICES	38,650.00	49,120.00	36,841.00	73,036.0
TECHNICAL SERVICES AND BASIN PLANNING	7,109.00	7,755.00	5,817.00	8,002.0
TELEPHONE AND TELEMETRY	6,202.93	0.00	0.00	1,400.0
POSTAGE	5,076.63	3,500.00	6.15	4,900.0
PRINTING AND BINDING	1,186.38	5,500.00	812.43	1,000.0
INSURANCE	22,892.00	19,947.00	19,947.00	22,534.0
TRAVEL	3,679.41	2,400.00	0.00	2,700.0
LAUNDRY, UNIF, AND IND. EQUIPMENT	3,455.43	4,900.00	2,212.41	4,900.0
TRAINING	495.00	1,400.00	0.00	1,400.0
UTILITIES	61,791.89	46,300.00	19,230.01	61,200.0
R&M IMPROVEMENTS O/T BUILDINGS	82,067.23	109,000.00	6,841.96	97,500.0
REPAIRS AND MAINTENANCE-EQUIPMENT	14,864.02	4,700.00	2,294.01	5,500.0
REPAIRS AND MAINTENANCE - PLANT	33,316.28	41,800.00	6,158.90	37,400.0
REPAIRS AND MAINTENANCE - VEHICLES	9,531.00	4,700.00	84.00	4,800.0
RENT - MACHINERY & EQUIPMENT	1,032.61	3,500.00	2,268.75	3,500.0
INTERFUND SERVICES AND CHARGES	5,972.90	12,000.00	-6.00	12,000.0
ADMINISTRATIVE OVERHEAD	135,810.00	162,370.00	162,370.00	186,640.0
OTHER SERVICES & CHARGES CREDIT	-19,636.25	0.00	0.00	0.0
Services and Charges Total:	622,683.18	647,452.00	503,801.25	688,912.0
IMPROVEMENTS O/T BUILDINGS	243,725.00	425,000.00	53,600.00	230,000.0
MACHINERY & EQUIPMENT	65,508.57	66,800.00	0.00	87,500.0
Capital Outlays Total:	309,233.57	491,800.00	53,600.00	317,500.0
Livingston Recreation Facilities - 461600 O&M Expense/Debt Service Grand Total:	1,494,031.25	1,734,317.00	810,990.02	1,673,390.00

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Walker-Calloway Branches

This fund accounts for the transportation of sewage to Fort Worth from the cities of Hurst and North Richland Hills, Texas.

Lakeview Regional Water Supply System

This fund accounts for the construction and operation of water treatment, transmission and storage facilities necessary to supply treated water to the cities of Cedar Hill, Duncanville, and Grand Prairie, Texas.

Navarro Mills Reservoir

This fund accounts for a contract the Authority entered into with the United States of America ("Government") for the right to utilize certain water storage rights in the Navarro Mills Reservoir on Richland Creek. The Authority also entered into an agreement with the City of Corsicana, in which the Authority will supply the City with water from 90% of the storage in the reservoir and the City will pay the Authority for costs of the project billed by the Government. The Authority can sell water to various users from the remaining 10% storage in the reservoir.

Bardwell Reservoir

This fund accounts for a contract the Authority entered into with the United Stated of America ("Government") for the right to utilize the water storage space in the Bardwell Reservoir constructed by the Government on Waxahachie Creek. The Authority also entered into an agreement with the City of Ennis and the Ellis County Water Control and Improvement District No. 1 to supply water from its storage in the reservoir and the entities will pay the Authority amounts aggregating the costs incurred by the Authority under the Government contract.

Joe Pool Lake

This fund accounts for a contract the Authority entered into with the United State of America ("Government") for the right to utilize the water storage space of the Joe Pool Lake, which was constructed by the Government on Mountain Creek. The Authority also entered into an agreement with the cities of Cedar Hill, Duncanville, Grand Prairie, and the Midlothian Water District to supply water from its storage in the lake and the entities will pay the Authority amounts aggregating the costs incurred by the Authority under the Government contract.



Ellis County Regional Water Supply Project

This fund accounts for the sale of raw water to the Cities of Ferris, Italy, Maypearl, Red Oak, and Palmer, Ellis County Water Control and Improvement District No. 1, Avalon Water and Sewer Service Corporation, Buena Vista-Bethel Water Supply Corporation, and Nash-Forreston Water Supply Corporation. The Authority entered into a contract to purchase raw water from the Tarrant Regional Water District, and in turn, sell this raw water to the various entities in Ellis County and Southern Dallas County.

Freestone Raw Water Supply Project

This fund accounts for the sale of raw water to Freestone Power Generation, LP. The Authority also entered into a contract to purchase raw water from Tarrant Regional Water District to sell to Freestone.

Ennis Raw Water Supply Project

This fund accounts for the sale of raw water to the City of Ennis. The Authority entered into a contract to purchase raw water from Tarrant Regional Water District, and in turn, sell this raw water to the City of Ennis.

Denton Creek Wastewater Transportation System (Graham Branch) Project

This fund accounts for the financing of wastewater transportation facilities for the towns of Argyle, Flower Mound, and Northlake from the Denton Creek drainage area into the Denton Creek Regional Wastewater System.

City of Fort Worth Sendera Ranch Project

This fund accounts for a financing arrangement in which the Authority agreed to sell its revenue bonds to finance certain wastewater transmission facilities for the City of Fort Worth. The City makes payments to the Authority to pay the bond principal and interest payments. The installment sales agreement provides that the City will operate the completed facilities and will become the owner thereof when all the Authority's bonds have retired. The bonds were retired during Fiscal Year 2022 and the fund was closed.

Northeast Lakeview Wastewater Transportation Project

This Project accounts for the financing of the Northeast Lakeview Interceptor, which collects wastewater for the cities of Cedar Hill and Grand Prairie, Texas within the Mountain Creek Watershed.

Fiscal Year 2024 Budget

				Calloway Branches - 116600, 116700, 116800	alker-0
<u>2024</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2023</u> <u>Budget</u>	<u>2022</u> <u>Actual</u>		
					evenue
265,342.00	198,900.00	265,190.00	182,394.37	CONT. REV HURST-CASH	****
878,730.00	653,355.00	871,132.00	587,655.00	CONT. REV NORTH RICH HILLS-CASH	****
1,347,994.00	970,965.00	1,294,619.00	1,103,252.04	METERED SEW SERV - HURST-CASH	****
3,974,905.00	2,868,120.00	3,824,159.00	3,155,513.79	METERED SEW SERV - NRH-CASH	****
6,466,971.00	4,691,340.00	6,255,100.00	5,028,815.20	Contract Revenue Total:	
505,000.00	0.00	435,000.00	0.00	CONT CITY OF HURST	****
505,000.00	0.00	435,000.00	0.00	CONTCITY OF NORTH RICHLAND HILLS	****
5,000.00	0.00	0.00	0.00	INTEREST INCOME	****
0.00	26,489.57	0.00	-11,726.55	INT INC - INVEST POOL - REVENUE	****
5,000.00	0.00	0.00	0.00	INTEREST INCOME	****
0.00	22,043.17	0.00	-3,367.86	INT INC - INVEST POOL - RESERVE	****
1,020,000.00	48,532.74	870,000.00	-15,094.41	Miscellaneous Income Total:	
7,486,971.00	4,739,872.74	7,125,100.00	5,013,720.79	er-Calloway hes - 116600, Revenue Grand Total: '00, 116800	Brand

Fiscal Year 2024 Budget

				ches - 116600, 116700, 116800	/alker-Calloway Branc
<u>202</u> Budge	2023 YTD as of 07/05/2023	<u>2023</u> <u>Budget</u>	<u>2022</u> <u>Actual</u>		
				ce	&M Expense/Debt Service
2,000.0	0.00	2,000.00	0.00	IAL SERVICES	OTHER PROFESSIONA
5,322,899.0	2,435,596.52	5,118,778.00	4,258,765.83	SERVICES	METERED SEWAGE SE
53,643.0	53,557.00	53,557.00	45,244.00	M GROUP SERVICES	COLLECTION SYSTEM
251.0	97.10	251.00	198.96		UTILITIES
45,000.0	8,956.23	45,000.00	18,661.11	S AND CHARGES	INTERFUND SERVICES
5,000.0	5,000.00	5,000.00	5,000.00	ERHEAD	ADMINISTRATIVE OVE
5,428,793.0	2,503,206.85	5,224,586.00	4,327,869.90	Services and Charges Total:	
3,890.0	300.00	3,930.00	2,657.00	3	DEBT RELATED FEES
3,890.0	300.00	3,930.00	2,657.00	Transfers & Misc Total:	
5,432,683.00	2,503,506.85	5,228,516.00	4,330,526.90	O&M Expense Grand Total:	
370,000.0	325,000.00	325,000.00	225,000.00	/MENTS	BOND PRINCIPAL PAYI
657,621.0	218,933.34	576,584.00	374,860.55	··· ·	INTEREST ON LONG-T
1,027,621.0	543,933.34	901,584.00	599,860.55	Debt Service Total:	
1,027,621.0	543,933.34	901,584.00	599,860.55	Debt Service Grand Total:	
		6,130,100.00	4,930,387.45	O&M Expense/Debt Service	Walker-Calloway Branches - 116600,

Fiscal Year 2024 Budget

Lakeview Regional Wa	ater Supply System - 248600				
		2022 Actual	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	2024 Budget
Revenue					
**** CONT. REV	CEDAR HILL-CASH	8,378.02	14,639.00	10,980.00	17,300.00
**** CONT. REV	DUNCANVILLE-CASH	4,056.10	6,591.00	4,941.00	7,667.00
**** CONT. REV	GRAND PRAIRIE-CASH	6,191.14	10,567.00	7,929.00	12,425.00
	Contract Revenue Total:	18,625.26	31,797.00	23,850.00	37,392.00
INTEREST INCOME		-542.73	0.00	1,679.72	500.00
	Miscellaneous Income Total:	-542.73	0.00	1,679.72	500.00
Lakeview Regional Water Supply System - 248600	Revenue Grand Total:	18,082.53	31,797.00	25,529.72	37,892.00

Fiscal Year 2024 Budget

Lakeview Regional Water Supp	lv System - 248600				
	, , , , , , , , , , , , , , , , , , , ,	<u>2022</u> <u>Actual</u>	2023 Budget	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
O&M Expense/Debt Service					
LEGAL SERVICES		0.00	2,800.00	0.00	2,800.00
OUTSIDE SERVICES		1,920.00	4,000.00	665.00	20,000.00
INSURANCE		6,716.00	10,447.00	10,447.00	292.00
UTILITIES		109.99	250.00	63.95	250.00
REPAIRS AND MAINTENANCE - I	PLANT	0.00	3,400.00	0.00	3,400.00
RENT - OTHER PROPERTY		3,375.00	3,400.00	0.00	3,400.00
INTERFUND SERVICES AND CH	ARGES	961.54	2,500.00	0.00	2,750.00
ADMINISTRATIVE OVERHEAD		5,000.00	5,000.00	5,000.00	5,000.00
Services	and Charges Total:	18,082.53	31,797.00	16,175.95	37,892.00
Lakeview Regional Water Supply System - O&M Ex	xpense/Debt Service Grand Total:	18,082.53	31,797.00	16,175.95	37,892.00

Fiscal Year 2024 Budget

r - 330600				
	<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	2024 Budget
ORSICANA-CASH	717,594.35	799,352.00	599,517.00	551,578.00
Contract Revenue Total:	717,594.35	799,352.00	599,517.00	551,578.00
	-3,835.72	0.00	9,409.43	4,000.00
Miscellaneous Income Total:	-3,835.72	0.00	9,409.43	4,000.00
Revenue Grand Total:	713,758.63	799,352.00	608,926.43	555,578.00
	ORSICANA-CASH Contract Revenue Total:	2022 Actual	2022 Actual 2023 Budget ORSICANA-CASH 717,594.35 799,352.00 Contract Revenue Total: 717,594.35 799,352.00 -3,835.72 0.00 Miscellaneous Income Total: -3,835.72 0.00	2022 Actual 2023 Budget 2023 YTD as of 07/05/2023 ORSICANA-CASH 717,594.35 799,352.00 599,517.00 Contract Revenue Total: 717,594.35 799,352.00 599,517.00 -3,835.72 0.00 9,409.43 Miscellaneous Income Total: -3,835.72 0.00 9,409.43

Fiscal Year 2024 Budget

	voir - 330600	<u>2022</u> Actual	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> Budget
&M Expense/Debt Se	rvice				
ENGINEERING		173.00	10,000.00	173.00	10,000.00
REPAIRS AND MAINTENANCE - PLANT		358,011.65	769,279.00	678,636.51	783,252.00
ADMINISTRATIVE C	ADMINISTRATIVE OVERHEAD		6,100.00	6,100.00	6,100.00
	Services and Charges Total:	364,284.65	785,379.00	684,909.51	799,352.00
Navarro Mills Reservo - 330600	oir O&M Expense/Debt Service Grand Total:	364,284.65	785,379.00	684,909.51	799,352.00

Fiscal Year 2024 Budget

Bardwell Reservoir - 331600				
	<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
Revenue				
**** CONT. REV ELLIS COUNTY WCD-CASH	310,224.62	528,055.00	429,826.00	457,112.00
**** CONT. REV ENNIS-CASH	382,766.96	648,999.00	528,035.00	562,294.00
Contract Revenue Total:	692,991.58	1,177,054.00	957,861.00	1,019,406.00
INTEREST INCOME	-2,302.07	0.00	23,668.95	5,000.00
Miscellaneous Income Total:	-2,302.07	0.00	23,668.95	5,000.00
Bardwell Reservoir - 331600 Revenue Grand Total:	690,689.51	1,177,054.00	981,529.95	1,024,406.00

Fiscal Year 2024 Budget

Bardwell Reservoir - 331600				
	<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	2024 Budget
O&M Expense/Debt Service				
ENGINEERING	0.00	10,000.00	0.00	10,000.00
REPAIRS AND MAINTENANCE - PLANT	952,569.44	1,021,711.00	694,232.52	1,190,124.00
ADMINISTRATIVE OVERHEAD	18,000.00	18,000.00	18,000.00	18,000.00
Services and Charges Total:	970,569.44	1,049,711.00	712,232.52	1,218,124.00
CONTRACT PRINCIPAL PAYMENTS	21,842.75	20,305.00	20,973.08	22,614.00
INTEREST ON CONTRACT PAYABLES	5,897.51	13,694.00	8,699.18	8,289.00
Transfers & Misc Total:	27,740.26	33,999.00	29,672.26	30,903.00
Bardwell Reservoir -				
331600 O&M Expense/Debt Service Grand Total:	998,309.70	1,083,710.00	741,904.78	1,249,027.00

Fiscal Year 2024 Budget

00, 334600, 335600, 33660	00			
	<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	2024 Budget
HILL-CASH	15,148.73	25,037.00	16,352.38	25,846.00
NVILLE-CASH	2,467.87	4,080.00	2,665.45	4,197.00
PRAIRIE-CASH	9,915.81	15,130.00	13,444.19	15,527.00
HIAN-CASH	195,703.08	394,051.00	333,364.16	368,821.00
ontract Revenue Total:	223,235.49	438,298.00	365,826.18	414,391.00
	-2,162.15	0.00	7,999.10	2,180.00
laneous Income Total:	-2,162.15	0.00	7,999.10	2,180.00
Revenue Grand Total:	221,073.34	438,298.00	373,825.28	416,571.00
	HILL-CASH NVILLE-CASH PRAIRIE-CASH HIAN-CASH ontract Revenue Total: laneous Income Total: Revenue Grand Total:	Actual Actual Actual Actual Actual Actual	2022 Budget Budget Budget Budget	Actual Budget 2023 YTD as of O7/05/2023

Fiscal Year 2024 Budget

oe Pool Lake -332600, 333600, 334600, 335600, 33660	0			
	<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
0&M Expense/Debt Service				
ENGINEERING	40,552.50	10,000.00	13,517.50	10,000.00
LEGAL SERVICES	0.00	3,000.00	0.00	3,000.00
TECHNICAL SERVICES AND BASIN PLANNING	21,830.00	27,537.00	20,652.00	30,334.00
REPAIRS AND MAINTENANCE - PLANT	127,852.07	210,825.00	125,585.96	385,170.00
ADMINISTRATIVE OVERHEAD	26,727.62	29,370.00	29,370.00	29,370.00
Services and Charges Total:	216,962.19	280,732.00	189,125.46	457,874.00
CONTRACT PRINCIPAL PAYMENTS	5,119.04	5,430.00	5,430.33	5,737.00
INTEREST ON CONTRACT PAYABLES	7,126.38	6,979.00	6,805.12	6,672.00
Transfers & Misc Total:	12,245.42	12,409.00	12,235.45	12,409.00
Joe Pool Lake -332600, 333600, 334600, 335600, O&M Expense/Debt Service 336600 Grand Total:	229,207.61	293,141.00	201,360.91	470,283.00

Fiscal Year 2024 Budget

Ellis Co	unty Regional Water Supply Project - 238600	, 238700, 238701			
		<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
Revenue					
****	CONT. REV AVALON WSC-CASH	1,260.00	1,278.00	1,278.00	1,296.00
****	CONT. REV BUENA VISTA WS-CASH	1,260.00	1,278.00	1,278.00	1,296.00
****	CONT. REV ELLIS COUNTY WCD-CASH	2,484.00	2,520.00	1,890.00	2,556.00
****	CONT. REV FERRIS-CASH	1,260.00	1,278.00	1,278.00	1,296.00
****	CONT. REV ITALY-CASH	1,224.00	1,242.00	936.00	1,260.00
****	CONT. REV MAYPEARL-CASH	1,260.00	1,278.00	1,278.00	1,296.00
****	CONT.REV NASH FORRESTON WSC-CA	1,260.00	1,278.00	1,278.00	1,296.00
****	CONT. REV PALMER-CASH	1,260.00	1,278.00	1,278.00	1,296.00
****	CONT. REV RED OAK-CASH	1,260.00	1,278.00	0.00	0.00
****	CONT. REV ROCKETT SUD-CASH	0.00	0.00	1,278.00	1,296.00
****	METERED RAW WATER-ELLIS CO WCID#	326,442.83	471,818.00	238,437.73	634,143.00
	Contract Revenue Total:	338,970.83	484,526.00	250,209.73	647,031.00
INTE	REST INCOME	-183.25	0.00	1,079.71	0.00
	Miscellaneous Income Total:	-183.25	0.00	1,079.71	0.00
Water	ounty Regional Supply Project - Revenue Grand Total: , 238700, 238701	338,787.58	484,526.00	251,289.44	647,031.00

Fiscal Year 2024 Budget

Ellis County Regional Water	Supply Project - 238600,	238700, 238701			
		<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
O&M Expense/Debt Service					
WATER		326,442.83	471,818.00	169,448.78	634,143.00
ADMINISTRATIVE OVERHEAD		12,344.75	12,708.00	12,708.00	12,888.00
Service	ces and Charges Total:	338,787.58	484,526.00	182,156.78	647,031.00
Ellis County Regional Water Supply Project - O&F 238600, 238700, 238701	M Expense/Debt Service Grand Total:	338,787.58	484,526.00	182,156.78	647,031.00

Fiscal Year 2024 Budget

Freestone Raw Water Supply	Project - 237500, 23760	0			
		2022 Actual	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	2024 Budget
Revenue					
**** CONT. REV FREESTO	ONE POWER GEN	68,747.87	80,448.00	-11,158.06	134,769.00
**** MRW - FREESTONE PO	OWER GENERATOF	2,516,524.26	2,831,389.00	1,642,250.91	2,968,412.00
Cor	ntract Revenue Total:	2,585,272.13	2,911,837.00	1,631,092.85	3,103,181.00
INTEREST INCOME		-2,860.02	0.00	11,886.17	0.00
Miscella	aneous Income Total:	-2,860.02	0.00	11,886.17	0.00
Freestone Raw Water Supply Project - R 237500, 237600	evenue Grand Total:	2,582,412.11	2,911,837.00	1,642,979.02	3,103,181.00

Fiscal Year 2024 Budget

		<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> Budge
0&M Expense/Debt Servi	ce				
WATER - 237600		2,516,524.26	2,831,389.00	1,415,503.41	2,968,412.0
ADMINISTRATIVE OVERHEAD - 237600	35,449.00	38,448.00	38,448.00	40,769.0	
	Services and Charges Total:	2,551,973.26	2,869,837.00	1,453,951.41	3,009,181.0
Freestone Raw Water					
Supply Project - 237500, 237600	O&M Expense/Debt Service Grand Total:	2,551,973.26	2,869,837.00	1,453,951.41	3,009,181.0

Fiscal Year 2024 Budget

Ennis Raw Water Supply Project - 236500, 236600				
	<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
Revenue				
**** CONT. REV ENNIS-CASH	6,444.40	7,000.00	3,374.38	9,000.00
**** METERED RAW WATER - CITY OF ENNIS	104,837.45	117,955.00	73,152.73	123,663.00
Contract Revenue Total:	111,281.85	124,955.00	76,527.11	132,663.00
INTEREST INCOME	-176.33	0.00	600.40	0.00
Miscellaneous Income Total:	-176.33	0.00	600.40	0.00
Ennis Raw Water Supply Project - Revenue Grand Total: 236500, 236600	111,105.52	124,955.00	77,127.51	132,663.00

Fiscal Year 2024 Budget

Ennis Raw Water Sup	ply Project - 236500, 236600				
		<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
O&M Expense/Debt Serv	rice				
WATER		104,837.45	117,955.00	58,972.51	123,663.00
ADMINISTRATIVE OVERHEAD		5,000.00	5,000.00	5,000.00	5,000.00
	Services and Charges Total:	109,837.45	122,955.00	63,972.51	128,663.00
Ennis Raw Water Supply Project - 236500, 236600	O&M Expense/Debt Service Grand Total:	109,837.45	122,955.00	63,972.51	128,663.00

Fiscal Year 2024 Budget

Town of Flower Mound Wastewater Transportation Pr	roject- 137600, 137700			
	2022 Actual	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
Revenue				
**** CONT. REV FLOWER MOUND-CASH	280,392.01	279,646.00	209,736.00	279,674.00
Contract Revenue Total:	280,392.01	279,646.00	209,736.00	279,674.00
INTEREST INCOME	-1,856.01	0.00	3,592.26	1,000.00
Miscellaneous Income Total:	-1,856.01	0.00	3,592.26	1,000.00
Town of Flower Mound Wastewater Revenue Grand Total: Transportation Project- 137600, 137700	278,536.00	279,646.00	213,328.26	280,674.00

Fiscal Year 2024 Budget

Town of Flower Mound Wastewater Transportation Pr	oject- 137600, 137700			
	<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	2024 Budget
O&M Expense/Debt Service				
BOND PRINCIPAL PAYMENTS - I&S INTEREST ON LONG-TERM DEBT - I&S Debt Service Total:	240,000.00 36,869.00 276,869.00	245,000.00 32,979.00 277,979.00	0.00 15,831.67 15,831.67	250,000.00 29,007.00 279,007.00
Town of Flower Mound Wastewater O&M Expense/Debt Service Transportation Project- 137600, 137700 Grand Total:	276,869.00	277,979.00	15,831.67	279,007.00

Fiscal Year 2024 Budget

City of Fort Worth Sendera Ranch Project - 984600, 98	84700			
Only of Fore trong oction a random Froject Co-tooo, or	2022 <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
Revenue				
**** CONT.REVFORT WORTH-ACCRUED	787,521.22	0.00	0.00	0.00
Contract Revenue Total:	787,521.22	0.00	0.00	0.00
INTEREST INCOME	-1,146.22	0.00	0.00	0.00
Miscellaneous Income Total:	-1,146.22	0.00	0.00	0.00
City of Fort Worth Sendera Ranch Project Revenue Grand Total: - 984600, 984700	786,375.00	0.00	0.00	0.00

Fiscal Year 2024 Budget

City of Fort Worth Send	lera Ranch Project - 984600, 98	34700			
		<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
O&M Expense/Debt Servic	e				
ADMINISTRATIVE OVE	RHEAD	7,500.00	0.00	0.00	0.00
	Services and Charges Total:	7,500.00	0.00	0.00	0.00
BOND PRINCIPAL PAYN	MENTS - I&S	775,000.00	0.00	0.00	0.00
INTEREST ON LONG-T	INTEREST ON LONG-TERM DEBT - I&S		0.00	0.00	0.00
	Debt Service Total:	778,875.00	0.00	0.00	0.00
	Debt Service Grand Total:	778,875.00	0.00	0.00	0.00
City of Fort Worth Sendera Ranch Project - 984600, 984700	O&M Expense/Debt Service Grand Total:	786,375.00	0.00	0.00	0.00

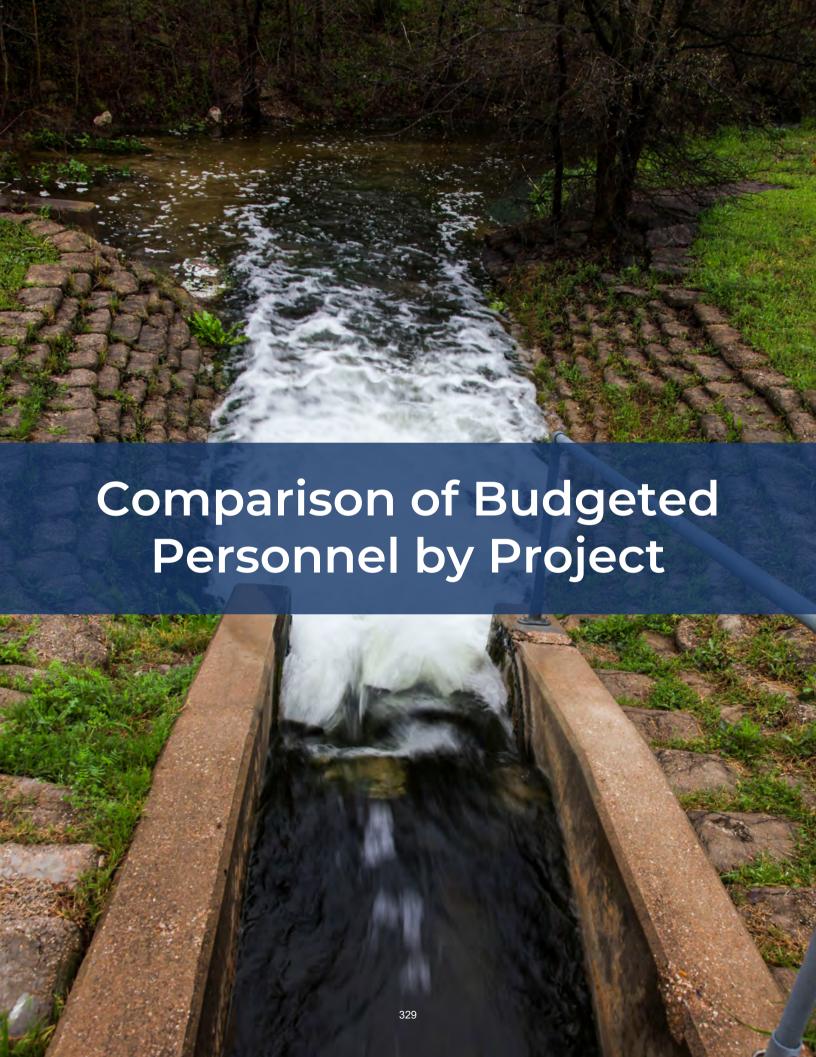
Fiscal Year 2024 Budget

Northeast Lakeview Wastewater Transportation Proje	ct - 111600, 111700			
	<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>
Revenue				
**** CONT. REV CEDAR HILL-CASH	501,986.93	502,211.00	376,659.00	499,555.00
**** CONT. REV GRAND PRAIRIE-CASH	602,008.95	602,277.00	451,710.00	599,092.00
Contract Revenue Total:	1,103,995.88	1,104,488.00	828,369.00	1,098,647.00
INTEREST INCOME	68.80	0.00	7,614.58	5,000.00
Miscellaneous Income Total:	68.80	0.00	7,614.58	5,000.00
Northeast Lakeview Wastewater Revenue Grand Total: Transportation Project - 111600, 111700	1,104,064.68	1,104,488.00	835,983.58	1,103,647.00

Fiscal Year 2024 Budget

Northeast Lakeview Wastewater Transportation Project - 111600, 111700							
		<u>2022</u> <u>Actual</u>	<u>2023</u> <u>Budget</u>	2023 YTD as of 07/05/2023	<u>2024</u> <u>Budget</u>		
O&M Expense/Debt Servic	e						
BOND PRINCIPAL PAYN INTEREST ON LONG-T	·· - ···	970,000.00 113,231.35 1,083,231.35	995,000.00 92,821.00 1,087,821.00	995,000.00 48,118.16 1,043,118.16	1,015,000.00 71,980.00 1,086,980.00		
Northeast Lakeview Wastewater Transportation Project - 111600, 111700	O&M Expense/Debt Service Grand Total:	1,083,231.35	1,087,821.00	1,043,118.16	1,086,980.00		

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TRINITY RIVER AUTHORITY OF TEXAS COMPARISON OF BUDGETED PERSONNEL BY PROJECT

FUND	TYPE	FY 2022*	FY 2023 BUDGETED	FY 2023*	FY 2024 BUDGETED	2023* - 2024 NET CHANGE
General Fund	Full-Time Part-Time	64 3	67 2	69 2	71 2	2
Water Sales Special Revenue Fund	Full-Time	3	3	3	3	-
Collection System Group	Full-Time	30	31	31	32	1
Technical Services and Basin Planning	Full-Time	16	16	16	16	-
Information Technology Support Services	Full-Time	18	18	18	22	4
Planning, Design and Construction Administration	Full-Time	57	57	57	58	1
Southern Region Support Services	Full-Time	5	5	5	5	-
Central Regional Wastewater System	Full-Time	175	175	175	174	(1)
Ten Mile Creek Regional Wastewater System	Full-Time	24	25	25	25	-
Denton Creek Regional Wastewater System	Full-Time	16	16	16	16	-
Red Oak Creek Regional Wastewater System	Full-Time	8.5	9.5	9.5	9.5	-
Mountain Creek Regional Wastewater System	Full-Time	9.5	11.5	11.5	11.5	-
Tarrant County Water Supply Project	Full-Time	30	31	31	31	- 1
	Part-Time Seasonal	1	1	1	1 -	1 (1)
Huntsville Regional Water Supply System	Full-Time Part-Time	9 1	9 1	9 1	10 -	1 (1)
Livingston Regional Water Supply System	Full-Time	6	6	6	6	-
Trinity County Water Supply System	Full-Time	3	3	3	3	-
Livingston - Wallisville Project	Full-Time Seasonal	27 4	27 4	27 4	27 4	-
Livingston Recreation Facilities	Full-Time Seasonal	6 2	6 2	6 2	7 1	1 (1)
Total Authority-Wide Total Authority-Wide	Full-Time Part-Time	507 4	516 3	518 3	527 3	9
Total Authority-Wide	Seasonal	7	7	7	5	(2)
GRAND TOTAL AUTHORITY-WIDE		518	526	528	535	7

^{*}Adjusted headcount



Detail of Capital and Controllable Expenditures by Fund



TRINITY RIVER AUTHORITY OF TEXAS DETAIL OF CAPITAL EXPENDITURES BY FUND

Clean Rivers Project		
1 Sonde or flow measurement parts/Replacement as neede	ed15,000	
Total	\$	15,000
Planning, Design and Construction Administration		
4 Vehicle	140,000	
1 SUV Vehicle (Replacement)	35,000	
Total	<u> </u>	175,000
Collection System Group	22.202	
1 ROW Tractor	33,088	
1 16' 14k GVRW Tilt Bed Trailer	11,705	
1 ATV (Replacement)	21,275 9,801	
HACH FL904 (Replacement) Hach Ultrasonic Depth/Radar (Replacement)	7,613	
1 Compound Flow Meter (Replacement)	21,980	
1 Compound Flow Meter (Neplacement)	<u> </u>	105,462
Technical Services and Basin Planning	•	.00,.02
1 Survey Equipment	5,000	
Total	\$	5,000
Information Technology Support Services		
1 Records Management Software	48,900	
UltiPro UTM Replacement - Mandatory Upgrade	70,050	
UltiPro Timeclock Replacement - Mandatory Upgrade	83,200	
1 Workday - Phase 2 Inventory / Procurement	50,000	
1 Risk Management Software	30,000	
1 Lab LIMS Evaluation	200,000	
1 Audit Management Software	5,000	
1 Visitor Management Software	10,000	
1 Identity Management Project	100,000	
1 CRWS iFix Projects 1 CRWS PMCS Refresh	108,500 35,000	
1 CRWS HIPSwitch @ Remote Facilities	25,000	
1 Time Server Installation	30,000	
1 ROCRWS Hip Switch	7,500	
1 Vehicle CRWS	70,000	
1 VTC Conf Room upgrades	185,514	
1 HRWSS VOIP	20,000	
1 CISCO Switch Refresh	150,000	
1 Cisco 10 Drop Phones	15,000	
1 CRWS Cisco ENT VM Switch Refresh	30,000	
1 GO Cisco ENT VM Switch	50,000	
1 HRWSS ICS Server Refresh	69,500	
1 LRWSS ICS Server Refresh	65,700	
1 LLP SCADA Application Server	5,000	
1 LLP PLC Refresh	35,000	
1 CRWS Switch Refresh and Inventory	230,000	
1 VM Server Refresh (Backup Site)	70,000	
1 Primary Data Center UPS (Replacement)	50,000	
1 Access Controls System Improvements	250,000	0.000.001
Total	\$	2,098,864

TRINITY RIVER AUTHORITY OF TEXAS DETAIL OF CAPITAL EXPENDITURES BY FUND (continued - 2)

Central Regional Wastewater System			
1 Liquid Chromatograph	838,779		
1 Laboratory Grade Freezer - Chlorophyll	6,534		
1 1/2 Ton Work Truck, Regular Cab, Standard Box	45,000		
1 1/2 Ton Work Truck, Regular Cab, Standard Box	45,000		
1 SUV for Engineering Group/Administration	34,000		
1 3/4 Ton Work Truck, Regular Cab, 4x4	45,000		
1 Camper/Topper for New Vehicle	5,515		
1 Jackman 26 Butt Fusion Machine 2 inch - 6 inch	6,996		
1 19' Genie Scissor Lift	15,795		
2 Electric (EV) Utility Cart	22,998		
1 HACH AS950 AWRS All Weather Auto Sampler	8,178		
1 Kawasaki Mule 4x4	14,710		
1 Thermo Sorvall ST1 Plus Centrifuge	9,834		
2 ISCO 3700 Autosamplers (Replacement)	11,088		
1 Multiparameter Meter (Replacement)	6,540		
1 Portable Light Tower Generator (Replacement)	14,588		
1 Flir E54 Advanced Thermal Imaging Camera (Replacement)	5,900		4 400 455
Total		\$	1,136,455
Donton Crook Bogional Wastowater System			
Denton Creek Regional Wastewater System	0.450		
1 DR3900 Spectrophotometer	6,459		
1 Trailer - 20-foot, 14,000 lb.	9,100	_	45 550
Total		\$	15,559
Red Oak Creek Regional Wastewater System			
1 72 Volt, Electric Utility Cart	9,999		
1 Spectrophotometer (Replacement)	6,459		
Total	0,439	\$	16,458
Total		Ψ	10,430
Tarrant County Water Supply Project			
1 Ford Explorer	34,000		
2 Electric Utility Carts Flatbed and Rails (Replacement)	22,998		
Total	22,000	\$	56,998
		*	00,000
Huntsville Regional Water Supply System			
1 Turbidimeter	6,200		
1 RWP VFD (Replacement)	25,000		
Total		\$	31,200
			•
Livingston - Wallisville Project			
1 Asphalt LLP EE Parking Lot & Road to HWY (Replacement)	110,000		
1 Mettler Balance XSR204 for the Lab (Replacement)	8,100		
1 Unit 139 3/4 Ton Ext Cab Truck (Replacement)	55,000		
1 Unit 130 1/2 Ton Quad Cab Truck (Replacement)	45,000		
1 4WD Compact Tractor with Loader (Replacement)	40,000		
1 Ice Machine (Replacement)	4,700		
	7.710		
TIDEXX Qualititay Sealer for the Lab (Replacement)			
IDEXX Qualti-tray Sealer for the Lab (Replacement) Total Total	5,600	\$	268,400

TRINITY RIVER AUTHORITY OF TEXAS DETAIL OF CAPITAL EXPENDITURES BY FUND (continued - 3)

Livingston Recreation Facilities

1 Tigerville Paving (Replacement)	140,000
1 #2 Restroom ADA Redesign Concrete Ramp (Replacement)	40,000
1 Boat Dock (Replacement)	50,000
1 Unit 150 4x2 Supercab SRW (Replacement)	40,000
1 Kubota Mower with Deck (Replacement)	28,000
1 Toro 52" Side Discharge 0-turn Std Mower/Blower	19,500
Total	\$ 317,500

Grand Total \$ 4,241,896

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TRINITY RIVER AUTHORITY OF TEXAS DETAIL OF CONTROLLABLE EXPENDITURES BY FUND

General Fund			
Controllable Office Items			
1 Replacement Monitors and Computer accessories	1,000		
Total		\$	1,000
Controllable Maintenance & Operating Items			
1 Facility Maintenance Tools (Replacement)	3,200		
Total		\$	3,200
Controllable Computer Equipment			
1 AV Equipment Executive Conference Room (Replacement)	3,000		
Total		\$	3,000
Water Sales Special Revenue Fund			
Controllable Maintenance Items			
1 Update Structural Repair Shop Cart	5,000		
Total		\$	5,000
		•	0,000
Collection System Group			
Controllable Instrumentation Maintenance Equipment			
3 Remote Telemetry Unit	11,865		
Total		\$	11,865
Planning, Design and Construction Administration			
Controllable Office Items			
1 110-lb. Ice Machines (Replacement)	5,000		-
Total		\$	5,000
Controllable Maintenance & Operating Items			
2 Pinhole Detector & Accessories	1,366		
2 Tripod W/ Winch (350 Lb. Rating)	7,860		
1 Earth/Ground Clamp Meter (Fluke 1630)	2,753		
5 Grade Levels	3,725		
5 Digital Cameras	1,700		
23 Air Monitors (Replacement)	46,815		
5 Confined Space Air Blower	2,213		
14 Vehicle Emergency Light Kits	35,000		101 101
Total		\$	101,431
Controllable Computer Equipment	0.000		
2 Laptops	2,000	¢	2 000
Total		\$	2,000
Denton Creek Regional Wastewater System			
Controllable Maintenance Items			
3 Portable MGC IR 4 Gas Detector (Replacement)	3,132		
2 Dayton Lever Chain Hoist	935		
Total		\$	4,067
		•	,
Livingston Recreation Facilities			
Controllable Maintenance & Operating Items			
1 Tool Storage Cab/Workbench	1,600		
1 Trimmer/Brush Cutter	400		
1 Metal Cutting Band Saw	400	.	
Total		\$	2,400

TRINITY RIVER AUTHORITY OF TEXAS DETAIL OF CONTROLLABLE EXPENDITURES BY FUND (continued - 2)

Information Technology Support Services Controllable Computer Equipment 9 ICS PC Refresh - NR (Replacement) 5 ICS PC Refresh - CRWS (Replacement) 2 ICS Laptop Refresh - CRWS (Replacement) 1 MCRWS ICS NAS (Replacement) 1 MCRWS NAS Refresh (DS216) (Replacement) 1 ROCRWS NAS Refresh (DS216) (Replacement) 2 LLP ICS NAS (Replacement) 17 Meraki AP Refresh 1 Conference Room 10 Cisco PBX Phones 1 DCRWS AP Install 2 CRWS AP 2 TCWSP AP 1 TMCRWS AP 2 UPS/Battery	12,600 7,000 6,000 5,000 2,500 2,500 5,000 24,000 6,000 3,000 4,000 2,000 2,000 2,000 2,000 2,500
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1 Security Improvements from Audits	20,000
1 Firewall Refresh	15,000
1 ICS NAS HD (Replacement)	1,000
3 IT Refresh Computers (Replacement)	7,500
1 Reserve Desktop/Laptops	10,000
1 New Employee Computer Laptop (IT)	2,200
1 New Employee Computer Laptop (GF)	2,000
1 New Employee Computer Desktop (CSG)	1,400
3 New Employee Computer Desktop (CRWS)	4,200
1 New Employee Computer Laptop (PDCA)	2,000
1 New Employee Computer Desktop (LRF)	1,400
1 New Employee Computer Laptop (CRWS)	2,000
2 iPad Refresh (Directors) (Replacement)	3,000
33 Tablet Refresh (25% of 130 @ \$1,000) (Replacement)	33,000
115 PC Refresh (Replacement)	184,050
25 Tablet Requests (Replacement)	25,000
1 Network Performance Improvement	10,000_
Total	\$ 409,850
Grand Total	\$ 548,813
Granu rotal	<u>φ 546,613</u>

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Five-Year Capital Improvement Program



TRINITY RIVER AUTHORITY OF TEXAS CAPITAL IMPROVEMENT PROGRAM

Each year the Authority's Planning, Design and Construction Administration (PDCA) Department presents the updated five-year capital improvement program to the customers and operating staff of the Northern and Southern Region for review. This program includes expenditures for the rehabilitation and replacement of existing infrastructure and system expansion projects. The Finance department submits a bond issuance authorization request to the Authority's Board of Directors for the funding of the proposed capital improvement program.

Capital projects are categorized as large expenditures and are not included in the operation and maintenance fiscal year budgets. In order to be considered a capital improvement project, a formal request must be initiated within the capital program management system (CPMS). The project scope, schedule and budget are entered into the CPMS. The proposed project is given a score for each criterion by the project manager for: regulatory, capacity, condition, employee safety, public/customer impact, efficiency, resiliency and security. The overall score is then ranked among other capital improvement planned projects within each operating system by the Manager, Engineering Services. The various capital improvement planned projects are generated from infiltration and inflow studies, master plans and triennial evaluations. In addition, unplanned projects are occasionally added to the five-year capital improvement program as well as emergency projects. The PDCA Department revises the five-year capital improvement program for each operating system once per year and it is presented at the Winter customer cities advisory meetings. Projects are initiated and an outside consultant is selected through the request for proposal (RFP) process to provide engineering services for developing the contract documents. The documents are then used for procuring a Contractor to execute the capital improvement project within both our Northern and Southern Regions.

Scheduled Period 2024 - 2028 (Project Costs in Millions)

		Five Year CIP							
_	2024	2025	2024-2028						
Treatment Plant	\$ 202.600	\$ 75.300	\$ 29.900	\$ -	\$ 22.200	\$ 330.000			
Collection System	\$ 121.800	\$ 104.100	\$ 55.100	\$ 104.100	\$ 115.000	\$ 500.100			
System Grand Total	\$ 324.400	\$ 179.400	\$ 85.000	\$ 104.100	\$ 137.200	\$ 830.100			

Project ID	Project Name & Description	Driver ⁽¹⁾	Phase ⁽²⁾	2024	2025	2026	2027	2028
	PLANT							
3110.2062	Odor & Corrosion Plan Update The Authority has implemented numerous recommendations developed in previous master plans for odor control and corrosion management. These recommended improvements have remained consistent with our goal of reducing odors and protecting valuable infrastructure from deterioration and malfunction due to corrosion in the collection system and plant. This is an update to the last Odor and Corrosion Management Plan (October 2012) that will gauge the effectiveness of the improvements made and determine the next steps moving forward.	Public / Customer Impact	ST		\$ 1.300			
3110.2064	Stage IX Odor Control Improvements This project provides odor control for Pump Stations 6 and 6A and the influent junction boxes JB-1C, 1E, and 1F. Each area will have its own dedicated bioscrubber. The Headworks A Grit influent, basins, and effluent will have a bioscrubber system as well. Existing Biofilters 5 and 6 will be demolished. Approximately 800 LF of new foul air, duct ranging in size from 30 to 48 inches in diameter, will be required for the odor improvements.	Public / Customer Impact	CA IN CO	\$ 1.300 \$ 0.800 \$ 25.500				
3110.2076	CRWS A Roadway Improvements Project includes repairs and replacement, as needed, for CRWS A Roadway when the Solids Improvement Phase IIIB construction project is completed.	Condition	PD FD CA IN CO	\$ 0.200 \$ 0.300	\$ 0.400 \$ 0.500 \$ 5.500			
3110.2097	Phase VII Rehabilitation This project includes mainly replacement of aging electrical infrastructure, such as the substations at Pump Stations 6A and 7A, in addition to consolidation of some of the other miscellaneous transformers where equipment may have been demolished. It also includes VFD replacements at Pump Station 13B, lighting improvements around the plant, adding a generator for the On-Site Storage Structure, and rehabilitation of suction piping and valves in Pump Station 6A and scum collection at Primary Clarifiers 1-4. Lastly, the replacement of two blowers at Blower Building No. 1 was added to the scope.	Capacity	CA IN CO		\$1.200 \$0.800 \$30.000			
3110.2137	Alternate Access and Singleton Road Improvements This project will provide roadway improvements to Singleton Boulevard with a three-lane, continuous turn lane, undivided concrete pavement section and bridge widening to accommodate three lanes from Loop 12 to the CRWS treatment plant. In addition, TXDOT is concurrently designing new frontage roads along IH-30 adjacent to the plant. This project will assess the feasibility of an alternate access off the proposed westbound IH-30 frontage roads to provide a secondary secured access to the plant on the south property line.		PD FD LR CA IN CO	\$ 0.900 \$ 2.100	\$ 1.700	\$ 0.600 \$ 0.800 \$ 15.200		
3110.2163	Chlorine and Sulfur Dioxide Containment Building The project includes a containment building to house chlorine and sulfur dioxide railcars and feed equipment. The containment building will include scrubbers that are capable of scrubbing leaks or release of either stored chemical. The existing chlorine and sulfur dioxide feed systems have not been replaced since 1989. The new containment building will replace the staging and feed system and located on the northeast corner of the recently reclaimed west pond. New rail track spurs will be connected from the existing trackage to the containment building including two new setout tracks for exterior chemical railcar storage.	Employee	CA IN CO	\$ 2.500 \$ 1.000 \$ 62.700				
3110.2164	Nutrient Improvements The project will manage nutrient impacts from solids processing sidestreams. The thermal hydrolysis process concentrates nutrients, and when they are recycled back to the head of the plant, it can overwhelm the processes as well as cause struvite buildup. With the higher than expected loading trends seen at the plant, a new deammonification system and additional tankage and installation of Digester No. 4 and Centrifuge No. 6 will alleviate the plant's ability to process increasing solids loading.	Regulatory	CA IN CO	\$ 1.900 \$ 0.800 \$ 61.800				
3110.3019	Primary Clarifiers No. 1 to 4 Rehabilitation The project converts Primary Clarifiers no. 1 through 4 using a Gould's technology by installing an additional sludge sump at a location one-third the basin's length. This project includes the replacement of the chain-and-fight mechanisms with multiple new stainless steel chain-and-fight scrapers that are shorter in length than the original mechanisms.	Condition	PD					\$ 1.000

Scheduled Period 2024 - 2028 (Project Costs in Millions)

		Five Year CIP								
_	2024	2025	2026	2027	2028	2024-2028				
Treatment Plant	\$ 202.600	\$ 75.300	\$ 29.900	\$ -	\$ 22.200	\$ 330.000				
Collection System	\$ 121.800	\$ 104.100	\$ 55.100	\$ 104.100	\$ 115.000	\$ 500.100				
System Grand Total	\$ 324.400	\$ 324.400 \$ 179.400 \$ 85.000 \$ 104.100 \$ 137.200 \$								

Project ID	Project Name & Description	Driver ⁽¹⁾	Phase ⁽²⁾	2024	2025	2026	2027	2028
	PLANT							
3110.3020	Pump Stations 6 & 6A New Coarse Screen Improvements This project includes replacing the 2.5-inch coarse screens with new coarse screens (3/8-inch to maximum of 1.5-inch bar spacing) at Pump Stations 6 and 6A, and replacing the screening conveyance system. Although the current coarse screening process is functioning as expected, once the fine screens are removed there is a need to provide adequate protection of the pumps at the influent pump stations. In addition, a more closely-spaced coarse screen will provide additional debris and rag removal, reducing the loading to the fine screens at Headworks A and Headworks B.	Condition	PD FD CA IN CO		\$ 0.600 \$ 1.600	\$ 0.700 \$ 0.600 \$ 12.000		
3110.3048	On-Site Storage Basin and Equalization Basins Rehab and Replacement The CRWS Triennial report and subsequent structural support technical memorandum have identified that the OSSB and EQ Basins No. 1-6 within the CRWS facility are in need of rehabilitation and replacement. The OSSB has multiple heaved slab sections and joints to be replaced or repaired. Additionally, improvements to the motorized gates, hydraulic jump, gate sumps, wash down water cannons, pop-up valves, pressure relief system and underdrains were also identified. At EQ Basins No. 1-6, several improvements have been identified including replacement of isolation butterfly valves, influent gates, repair of leaking joints and a repair of a leaking drain line in EQ Basin 6. In addition, the MCC-3 switchgear has served beyond its useful life and needs to be replaced since the reduction in load was identified in the CRWS Arc Flash Study.	Condition	FD CA IN CO	\$ 2.000 \$ 1.000 \$ 0.700 \$ 15.000				
3110.3065C	Analytical Laboratory Services Complex The existing analytical laboratory is undersized to house current instruments, samples, staff, and to support customer cities' increasing testing and more stringent regulatory requirements. The new laboratory complex will also have the capability to test for perfluoroakyl and polyfluoroalkyl substances (PFAS) and serve as a centralized location for the Authority's Environmental Services staff and equipment. The new multi-use facility will provide sufficient open space for storage and training. The study includes space needs assessment, workflow analysis and traffic flow master planning to meet current and future needs.	Capacity	FD CA IN CO	\$ 4.000	\$ 0.900 \$ 0.800 \$ 30.000			
3110.3100C	Dual Trackage Railway Improvements for THP Biosolids This project includes improvements to the existing rail infrastructure at the CRWS Treatment Plant to support loading, staging and transport of biosolids produced from the CRWS Thermal Hydrolysis Process (THP). Rail network improvements will support the hauling of biosolids via rail, reducing or even eliminating the use of biosolids transport by trucks. Proposed loading facility will provide means to load biosolids directly into bottom hopper railcars that will be staged along improved rail alignments inside the plant.	Resiliency	CA IN CO					\$ 0.500 \$ 0.700 \$ 20.000
3110.3207A	Fuel Utilization Improvements This project will provide reliability and redundancy to the thermal hydrolysis process by providing a back-up fuel source for the boilers. The boilers run continuously, and the primary fuel source is biogas, so if there is any interruption in biogas production, this project brings in natural gas to keep the boilers running.	Resiliency	CA IN CO	\$ 1.600 \$ 1.500 \$ 15.000				
	PIPELINE							
3110.2004	West Fork Interceptor Rehab, 7315W-6511W (CAC-3A) Possibly add WF-5 to scope (450 LF of 15" upsize to 21"), not currently included in capital cost AFV: CAC-3A budget from MW, WF-5 is 550 LF of 15-inch - there is also a separate Projectmates project for WF-5, not sure on drive driver since the pipe material size and material is the same just downstream of WF-5.	Condition	PD FD LR			\$ 1.700	\$ 3.200	\$ 2.500
3110.3211	DCURD 30-inch Reuse Water Line Replacement Replacement of approximately 3,900 linear feet of the 30-inch DCURD water pipeline located along the Elm Fork of the Trinity River. The replacement pipeline will be realigned due to several recent streambank failures and emergency repairs along the Elm Fork. The project is located in the City of Irving, north of State Highway 114 between Tom Braniff Drive and Riverside Drive.	Condition	CA IN CO	\$ 0.500 \$ 0.600 \$ 5.000				
3110.2006	Bear Creek Interceptor Relief, Phase 2 (Upstream) Replacement of approximately 7,700 LF of deteriorating parallel 54- and 84-inch unlined reinforced concrete pipe with a single 84-inch non-corrosive interceptor. Improvements include the replacement of meter stations MS4_0B and MS6_0B, as well as two new inverted siphons at major creek crossings.	Condition	LR CA IN CO	\$ 2.000	\$ 1.100 \$ 0.800 \$ 33.900			

Scheduled Period 2024 - 2028 (Project Costs in Millions)

		Five Year CIP							
_	2024	2024 2025 2026 2027 2028 2							
Treatment Plant	\$ 202.600	\$ 75.300	\$ 29.900	\$ -	\$ 22.200	\$ 330.000			
Collection System	\$ 121.800	\$ 104.100	\$ 55.100	\$ 104.100	\$ 115.000	\$ 500.100			
System Grand Total	\$ 324.400	\$ 179.400	\$ 85.000	\$ 104.100	\$ 137.200	\$ 830.100			

Project ID	Project Name & Description	Driver ⁽¹⁾	Phase ⁽²⁾	2	024	2025	2026	2027	2028
	PIPELINE								
	Elm Fork Interceptor Relief 1A & 1B, 2500E-2254E (CAC-10) CAC-10 includes the replacement of 15,618 linear feet (LF) of 90-inch unlined reinforced concrete pipeline and the analysis for the rehabilitation/replacement of 150 LF of 66-inch aerial pipe creek crossing.	Condition	FD LR					\$ 5.200	\$ 4.000
3110.2009	Elm Fork Interceptor Relief, 2705E-1530E (CAC-9) CAC-9 includes replacement of approximately 6,600 LF of unlined reinforced concrete pipe ranging in size from 42- to 90-inches in diameter.	Condition	PD FD LR CA IN CO	\$	1.000	\$ 2.600	\$ 2.000	\$ 0.600 \$ 0.800 \$ 20.000	
	Mountain Creek Relief Interceptor, Segments 09MC-1 & 30MC-2 (CMC73-820M) This project includes 9,000 linear feet (LF) of gravity relief interceptor to replace and provide increased capacity to the existing 24- to 33-inch vitrified clay pipe (VCP) and unlined reinforced concrete pipe (RCP) system originally installed in 1974 as part of the North Fork Fish Creek Interceptor. Improvements to 09MC-1 are a commitment in the CRWS Sanitary Sewer Overflow Initiative with TCEQ and must be substantially complete by the end of 2025.	Capacity	LR CA IN CO	\$	0.600 0.800 0.700 5.500				
	Erosion Site Rehabilitation, Phase 1 This project includes bank stabilization improvements at erosion sites identified as part of CRWS Stream Bank Erosion GIS Aerial review and Surface Inspection. Phase 1 includes two sites (19C and 20C) located within the Bear Creek interceptor system. CRWS Phase 1 sites were combined with the three sites identified in TMCRWS Erosion Site Rehabilitation, Phase 1 project for a single CIP.	Condition	CA IN CO	\$	0.200 0.800 1.500				
	Erosion Site Rehabilitation, Phase 2 This project includes bank stabilization improvements at erosion sites identified as part of CRWS Stream Bank Erosion GIS Aerial review and Surface Inspection and sites identified by the Authority's Collection System Group. Phase 2 includes four sites (9C, MH 2150J, MH 310J and 3170J) located within the Jefferson Tunnel and Bear Creek interceptor systems. CRWS Phase 2 sites were combined with the five sites identified in TMCRWS Erosion Site Rehabilitation, Phase 2 project for a single CIP.	Condition	PD FD LR CA IN CO			\$ 0.500 \$ 0.700	\$ 0.400	\$ 0.200 \$ 0.400 \$ 4.000	
3110.2042	West Fork Interceptor Relief, 690W-6511W (CAC-3B) CAC- 3B includes replacement of approximately 15,000 LF of unlined reinforced concrete pipe ranging in size from 48- to 66-inches in diameter. (River Legacy/Viridian)	Condition	PD FD LR				\$ 1.800	\$ 4.600	\$ 3.500
	West Fork Interceptor Relief, 1930W-5320W (CAC-4) CAC-4 includes replacement of 9,300 LF of unlined reinforced concrete pipe ranging in size from 66- to 72-inches in diameter. (Grand Prairie Gun Club)	Condition	PD FD LR CA IN CO			\$ 2.500	\$ 6.500	\$ 5.000	\$ 1.500 \$ 0.800 \$ 50.000
3110.2145A	Meter Station Rehab Group 2 (1_1E) This project includes the replacement of meter station 1_1E.	Condition	CA IN CO	\$	0.100 0.400 1.000				
	CRWS Meter Station Rehabilitation Group 2 (11_0W) This project includes the replacement of meter station MS 11_0W due to both condition and capacity of the existing Parshall flume. The meter is located on a City of Fort Worth owned pipeline.	Condition	CA IN CO	\$	0.200 0.300 1.100				
3110.2146	Meter Station Rehab Group 3 (11_0E, MS8_0B, MS7_0B) Rehabilitate or replace compound meter stations MS 11_0E, MS8_0B, MS7_0B.	Condition	LR CA IN CO	\$	0.200	\$ 0.300 \$ 0.700 \$ 3.000			

Scheduled Period 2024 - 2028 (Project Costs in Millions)

		Five Year CIP								
_	2024	2025	2026	2027	2028	2024-2028				
Treatment Plant	\$ 202.600	\$ 75.300	\$ 29.900	\$ -	\$ 22.200	\$ 330.000				
Collection System	\$ 121.800	\$ 104.100	\$ 55.100	\$ 104.100	\$ 115.000	\$ 500.100				
System Grand Total	\$ 324.400	\$ 179.400	\$ 85.000	\$ 104.100	\$ 137.200	\$ 830.100				

Project ID	Project Name & Description	Driver ⁽¹⁾	Phase ⁽²⁾	2024	2025	2026	2027	2028
	PIPELINE							
3110.2147	Meter Station Rehab Group 4 (2_0M, 9_0J, 7_0J) Rehabilitate or replace meter stations , MS 2_0M, MS 9_0J, MS 7_0J.	Condition	PD FD LR CA IN	\$ 0.200 \$ 0.500 \$ 0.200	\$ 0.300 \$ 0.700			
			CO		\$ 0.700			
3110.2148	Meter Station Rehab Group 5 (3_0E, 12_9B, 17_0W, 09WF-18) Rehabilitate or replace meter stations MS 3_0E, MS 12_9B, MS 17_0W. This project also includes the rehabilitation/replacement of interceptor segment 09WF-18.	Condition	PD FD LR CA IN	\$ 0.400 \$ 0.600	\$ 0.500	\$ 0.500 \$ 0.700 \$ 4.900		
3110.3033	Phase VII Infiltration & Inflow Assessment, Phase 1 & 2 Phase VII update to the CRWS Infiltration and Inflow (I/I) Assessment includes flow monitoring and I/I analysis, updates to population and flow projections from customer cities, re-calibration of the hydraulic model with optimization, and development of capital improvement projects.	Capacity	ST	\$ 2.000				
3110.3035	Lift Station LS_7M Improvements Replacement of existing lift station LS_7M with new 10 MGD facility. New LS_7M facility will be located adjacent to the existing facility site. Existing LS_7M will be taken out of service upon completion of construction. Modifications to the influent and divider walls and slide gates at Lift Station LS_1E.	Condition	CA IN CO	\$ 0.500 \$ 0.800 \$ 14.000				
3110.3037	Lift Station LS_5A & Force Main Capacity and condition improvements to Lift Station LS_5M and approximately 12,000 LF of 30-inch relief force main.	Capacity	PD FD LR CA IN CO		\$ 1.100	\$ 2.100 \$ 1.300	\$ 0.400 \$ 0.600 \$ 12.300	
3110.3038	Bear Creek Relief Interceptor Segment 16BC-1 & MS Rehab MS 9_0B This project consists of the replacement of 4,515 LF of 42- to 54-inch unlined RCP interceptor identified as Segment 16BC-1 & the rehabilitation of meter station MS 9_0B.	Capacity	PD FD LR			\$ 0.700	\$ 1.300	\$ 1.100
3110.3046	30BC-5 Replacement of approximately 19,759 LF of interceptor ranging from 42 to 54 inches in diameter. The 30BC-5 project extends from north of the intersection of Overland Trail and Frontier Court to just east of where Pool Road crosses Big Bear Creek. Improvements at meter stations MS13_5B and MS11_9B will be considered with this project. Extension of project limits will also be considered due to condition of pipe upstream of existing siphon, 3304B (upstream siphon box) to 3400B in Parr Park.	Capacity	PD FD LR				\$ 2.000	\$ 5.900 \$ 4.600
3110.3049	20MC-1 Replacement of approximately 14,800 LF of 54-inch interceptor. The project extends from northwest of the intersection of State Highway 360 and Holland Road to Lift Station Number 5A in the Mountain Creek system.	Capacity	PD FD LR CA IN CO		\$ 1.400	\$ 3.700	\$ 3.100	\$ 2.800 \$ 1.600 \$ 19.300
3110.3052	16MC-1 Replacement of approximately 2,300 LF of 36-inch interceptor. The 16MC-1 project extends from southeast of the intersection of SE Green Oaks Boulevard and Sherburne Drive to northeast of the intersection of State Highway 360 and Kingswood Boulevard. This relief project was identified for the Authority to review further in coordination with project MC-7 and MC-8 Phase 2 and to conduct further field observation of the interceptor capacity utilization and surcharging potential. Improvements at meter station MS9_0M will be considered with this project.	Condition	PD FD				\$ 0.600	\$ 1.600

Scheduled Period 2024 - 2028 (Project Costs in Millions)

_	2024	2024 2025 2026 2027 2028 2						
Treatment Plant	\$ 202.600	\$ 75.300	\$ 29.900	\$ -	\$ 22.200	\$ 330.000		
Collection System	\$ 121.800	\$ 104.100	\$ 55.100	\$ 104.100	\$ 115.000	\$ 500.100		
System Grand Total	\$ 324.400	\$ 179.400	\$ 85.000	\$ 104.100	\$ 137.200	\$ 830.100		

Project ID	Project Name & Description	Driver ⁽¹⁾	Phase ⁽²⁾	2024	2025	2026	2027	2028
	PIPELINE							
3110.3057	09MC-FM Replacement of approximately 11,000 LF of 36-inch force main. The 09MC-FM project extends from Lift Station 5 (LS_5M) in the Mountain Creek System and discharges into the gravity system near the intersection of Sweetbriar Lane and Lynn Road.	Capacity	PD FD LR CA IN CO			\$ 0.700	\$ 1.800 \$ 1.400	\$ 0.500 \$ 0.600 \$ 13.400
3110.3060C	Elm Fork Interceptor Rehab & Replacement, Phase 2A, CAC-8A This project includes the replacement of the existing unlined reinforced concrete pipe (RCP) along the Luna Road corridor between Farmers Branch Creek and Valwood Parkway with a new interceptor. Phase 2A consists of approximately 9,400 LF of pipeline up to 78-inches in diameter and includes creek crossings and Meter Station 15_0E. This project also includes 3,400 LF of pipeline up to 42-inches in diameter to reroute flow from Hutton Drive.	Condition	CA IN CO	\$ 3.100 \$ 0.800 \$ 60.400				
	Elm Fork Interceptor Rehab & Replacement, Phase 2B, CAC-8A This project includes the replacement of the existing unlined reinforced concrete pipe (RCP) along the Luna Road corridor between Valwood Parkway and Beltline Road with a new interceptor. Phase 2B consists of approximately 6,500 LF of pipeline up to 78-inches in diameter and includes multiple creek crossings and the railroad crossing at the northernmost portion of the project.	Condition	CA IN CO		\$ 2.100 \$ 0.800 \$ 41.100			
3110.3060D	Elm Fork Interceptor Rehab & Replacement, Phase 3A, CAC-8B This project includes the replacement of the existing unlined reinforced concrete pipe (RCP) along the Beltline Road corridor between Luna Road and Hutton Drive with a new interceptor. Phase 3A consists of approximately 2,700 LF of pipeline up to 48-inches in diameter.	Condition	FD LR CA IN CO	\$ 0.800	\$ 0.600	\$ 0.300 \$ 0.300 \$ 5.900		
3110.3060E	Elm Fork Interceptor Rehab & Replacement, Phase 3B, CAC-8B This project includes the replacement of the existing unlined reinforced concrete pipe (RCP) along the Hutton Drive corridor between Valley View Lane and Beltline Road with a new interceptor. Phase 3B consists of approximately 12,500 LF of pipeline up to 42-inches in diameter, including both open-cut and slip-lining construction methods.	Condition	FD LR CA IN CO	\$ 2.600	\$ 2.100		\$ 1.100 \$ 0.800 \$ 21.300	
3110.3060F	EIm Fork Interceptor Rehab & Replacement, Phase 4A, CAC-7 CAC-7 includes rehabilitation of approximately 6,000 LF of 72-inch unlined reinforced concrete pipe.	Condition	FD LR				\$ 1.700	\$ 1.300
3110.3205	10WF-1 West Fork Interceptor WFIR-2 includes the rehabilitation of approximately 2,800 LF of existing 66-inch unlined reinforced concrete pipe originally constructed in 1975. The WFIR-2 segment begins near the Belt Line Rd/l-30 intersection and extends approximately 2,500 LF to the east. The 10WF-1 Rehabilitation project consists of corrosion improvements to the WFIR-2 interceptor located in Grand Prairie. The WFIR-2 segment begins near the Belt Line Rd/l-30 intersection and extends approximately 2,500 LF to the east.	Capacity	PD FD LR CA IN		\$ 0.500	\$ 1.100 \$ 0.200	\$ 0.500 \$ 0.700 \$ 8.500	
3110.3206	Little Bear Creek Interceptor, Segments BC_10, BC_15, BC_16 Rehabilitation or replacement of 17,530 LF of 12- to 21-inch VCP due to poor condition. MS 13_2B (west leg), MS 12_9B (middle leg), and MS 12_6B (east leg) are included in the scope of improvements.	Condition	FD LR CA IN CO	\$ 2.400	\$ 1.500	\$ 0.600 \$ 0.700 \$ 19.000		

Scheduled Period 2024 - 2028 (Project Costs in Millions)

(43 Projects)

		Five Year CIP								
_	2024	2024 2025 2026 2027 2028								
Treatment Plant	\$ 202.600	\$ 75.300	\$ 29.900	\$ -	\$ 22.200	\$ 330.000				
Collection System	\$ 121.800	\$ 104.100	\$ 55.100	\$ 104.100	\$ 115.000	\$ 500.100				
System Grand Total	\$ 324.400	\$ 179.400	\$ 85.000	\$ 104.100	\$ 137.200	\$ 830.100				

Project ID	oject ID Project Name & Description				2025	2026	2027	2028
	PIPELINE							
3110.3209	Collection System - Condition Assessment	Condition	FA		\$ 2.000			
	The project includes the development of a biennial condition assessment program within the CRWS collection system. The						\$ 2.000	1
	condition assessment will monitor corrosion within the system to enhance ongoing preventative maintenance efforts and							ł
	identify areas of concern for the Capital Improvement Program.							1

N	o	t	e	s	:

(1) Project Drivers:	
Capacity	Regulatory
Condition	Efficiency
Employee Safety	Resiliency
Public/Customer Impact	Security

(2) Project Phases:
PD - Preliminary Design Engineering
FD - Final Design Engineering
CA - Construction Administration
IN - Inspection (Internal Cost) LR - Land Rights & Legal FA - Field Assessment ST - Study CO - Construction

Trinity River Authority of Texas Five Year CIP Funding Encumbrance Schedule Ten Mile Creek Regional Wastewater System Scheduled Period 2024 - 2028 (Project Costs in Millions) (14 Projects)

			Fi	ve	Year (CIF				
	2024		2025		2026		2027	2028	20	024-2028
Treatment Plant	\$ 1.000	\$	13.000	\$	5.000	\$	43.900	\$ -	\$	62.900
Collection System	\$ 8.200	\$	77.400	\$	60.500	\$	10.100	\$ 31.400	\$	187.600
System Grand Total	\$ 9.200	\$	90.400	\$	65.500	\$	54.000	\$ 31.400	\$	250.500

Project ID	Project Name	Driver ⁽¹⁾	Phase ⁽²⁾	2024	2025	2026	2027	2028
	PLANT							
3210.2005	Coarse Screens	Condition	CA		\$ 0.600			
	Coarse Screens will be installed upstream of fine screens to protect fine screens from large debris.		IN		\$ 0.800			
			CO		\$ 6.500			
3210.2079	Plant Rehabilitation B and Administration Building	Condition	PD		\$ 1.000			
	The rehabilitation of aging infrastructure is recommended and necessary as equipment reaches the end of its useful life.		FD			\$ 2.500		
	This project includes the replacement of the Final Clarifier No. 1 mechanism and various valve and sluice gate actuator		CA				\$ 1.000	
	replacements around the plant. Three blowers in Blower Building No. 1 are also in need of replacement and the		IN CO				\$ 0.800 \$ 20.000	
	addition of VFDs will allow for more efficient operation. The Administration Building rehabilitation includes expanding the		CO				ъ 20.000	
	existing server room to accommodate equipment and modify lobby area and conference room.	0 1111						
3210.2027	Digester Rehabilitation	Condition	ST	\$ 0.500				
	Per the 2014 Master Plan Update, improvements to the digesters include major items such as the installation of mixers,		PD		\$ 1.000	.		
	covers, and heat exchangers, along with ancillary pumps, piping, valves, and control. These improvements will condition		FD CA			\$ 2.500	\$ 1.200	
	the biosolids and lessen sludge handling for final disposal.		IN				\$ 1.200 \$ 0.900	
			CO				\$ 20.000	
202.2044	Utility Protection Services Upgrades	Resiliency	PD	\$ 0.200			Ψ 20.000	
	This will be an evaluation of uninterrupted power supplies (UPS) that back up SCADA equipment, such as PLCs. The		FD	\$ 0.300				
	recommendations for resiliency of battery back-up will be completed system-wide at critical infrastructure, both at the		CA		\$ 0.300			
	plant and at lift stations.		IN		\$ 0.300			
			CO		\$ 2.500			
	PIPELINE							
3210.2051B	11-40TM-2 PH 2	Capacity	CA		\$ 0.500			
	The overall Segment 11-40TM-2 consists of approximately 16,000 LF of 72- to 78-inch diameter gravity relief interceptor		IN		\$ 0.800			
	to replace the existing parallel pipe system to provide adequate capacity and address condition concerns. This project		CO		\$ 16.500			
	(Phase 2) consists of the remaining 8,000 LF downstream of the Lancaster Meter Station from 3200T to 3080T.							
3210,2201	20-40TM-1	Capacity	LR	\$ 1.500				
J_ 0.220	Segment 20-40TM-1 includes replacement of 10,500 LF of the existing unlined RCP parallel system with a single	Japaony	CA	Ψ 1.000	\$ 1.500			
	fiberglass reinforced plastic pipe, with final pipe sizing to be determined during the preliminary design phase. In		IN		\$ 0.700			
	addition, a new meter station will be included to measure the total influent flows to the treatment plant.		CO		\$ 29.900			
3210,2052	11-40TM-3	Capacity	PD	\$ 1.300	Ψ 25.000			
3210.2032	Replacement of two parallel pipelines with a single 12,000 LF gravity relief interceptor to provide adequate capacity and	Capacity	FD	Ψ 1.300	\$ 3.500			
	laddress condition concerns.		LR		\$ 1.400			
	address contained contesting.		CA		\$ 1.100	\$ 1.400		
			IN			\$ 0.700		
			CO		1	\$ 27.600		

Trinity River Authority of Texas Five Year CIP Funding Encumbrance Schedule Ten Mile Creek Regional Wastewater System Scheduled Period 2024 - 2028 (Project Costs in Millions) (14 Projects)

	Five Year CIP												
	2024		2025		2026		2027		2028	20	024-2028		
Treatment Plant	\$ 1.000	\$	13.000	\$	5.000	\$	43.900	\$	-	\$	62.900		
Collection System	\$ 8.200	\$	77.400	\$	60.500	\$	10.100	\$	31.400	\$	187.600		
System Grand Total	\$ 9.200	\$	90.400	\$	65.500	\$	54.000	\$	31.400	\$	250.500		

Project ID	Project Name	Driver ⁽¹⁾	Phase ⁽²⁾	2024	2025	2026	2027	2028
	PLANT							
3210.2202	20-40TM-4 Replacement of two parallel pipelines with a single 12,800 LF gravity interceptor to provide adequate capacity and address condition concerns.	Capacity	PD FD LR CA IN CO			\$ 1.400	\$ 3.600 \$ 1.400	\$ 1.500 \$ 0.700 \$ 28.800
3210.681A	TM-1 Relief Interceptor, Phase 2A The TM-1 Phase 2A project consists of approximately 8,000 LF of 66-inch diameter gravity relief interceptor replacement to provide adequate capacity and address condition concerns.	Capacity	CA IN CO		\$ 0.500 \$ 0.700 \$ 16.300			
3210.681B	TM-1 Relief Interceptor, Phase 2B The TM-1 Phase 2B project scope consists of approximately 4,500 linear feet of 66-inch gravity relief interceptor, including trenchless installation across IH-35E. Improvements also include the replacement of DeSoto meter station (MS DES).	Capacity	LR CA IN CO	\$ 1.100		\$ 1.200 \$ 0.800 \$ 25.800		
3210.103E	Infiltration & Inflow Assessment, Phase IV Phase IV update to the TMCRWS Infiltration and Inflow (I/I) Assessment includes updates to service areas, population and flow projections from customer cities; flow monitoring, rainfall and I/I analysis; update and re-calibration of the hydraulic model; and development of capital improvement projects.	Capacity	FA ST				\$ 0.800	\$ 0.400
3210.2070	TMCRWS Erosion Site Rehabilitation, Phase 1 This project is comprised of three erosion sites determined to be the highest priority locations within the Ten Mile Creek interceptor system that requires bank stabilization to protect existing infrastructure. The three sites are 13-41TM (1720T-1740T), 13-41bTM (4960T-5000T) and 14T (460T-480T).	Condition	CA IN CO	\$ 0.500 \$ 0.400 \$ 3.000				
3210.2071	TMCRWS Erosion Site Rehabilitation, Phase 2 This project is comprised of five erosion sites determined to be the highest priority locations within the Ten Mile Creek interceptor system that requires bank stabilization to protect existing infrastructure. The five sites are 11T (210T-230T), 12T (230T-250T), 13-42TM (1740T-1760T), 13-45TM (5360T-5380T), and 13-47TM (1920T-1925T).	Condition	LR CA IN	\$ 0.400	\$ 0.400 \$ 0.500 \$ 3.800			
3210.2077	Erosion Site Rehabilitation, Phase 3 This project is comprised of five erosion sites determined to be the highest priority locations within the Ten Mile Creek interceptor system that requires bank stabilization to protect existing infrastructure. The five sites are 13T (280T-260T), 13-42TM (1785T), 22T (1460T-45 20T), 15T (600T-580T), and 18T (500T-580T).	Condition	PD FD LR CA IN CO		\$ 0.400	\$ 0.900 \$ 0.700	\$ 0.500 \$ 0.800 \$ 3.000	

N	otes	

(1) Floject Drivers.		
Capacity	Regulatory	
Condition	Efficiency	
Employee Safety	Resiliency	
Public/Customer Impact	Security	

(2) Project Phases:	
PD - Preliminary Design Engineering	LR - Land Rights & Legal
FD - Final Design Engineering	FA - Field Assessment
CA - Construction Administration	ST - Study
IN - Inspection (Internal Cost)	CO - Construction

Trinity River Authority of Texas Five Year CIP Funding Encumbrance Schedule Denton Creek Regional Wastewater System Scheduled Period 2024 - 2028 (Project Costs in Millions) (13 Projects)

		Fi	ve	Year CI	Р				
	2024	2025		2026		2027	2028	20	024-2028
Treatment Plant	\$ 141.250	\$ 50.800	\$	38.900	\$	-	\$ 120.900	\$	351.850
Collection System	\$ 65.300	\$ 4.300	\$	0.400	\$	-	\$ -	\$	70.000
System Grand Total	\$ 206.550	\$ 55.100	\$	39.300	\$	-	\$ 120.900	\$	421.850

Project ID	Project Name	Driver ⁽¹⁾	Phase ⁽²⁾		2024		2025		2026	2027	2028
	PLANT										
3828.2200	Plant Expansion to 16.5 MGD This expansion will increase the plant's capacity from 11.5 MGD to 16.5 MGD annual average flow.	Capacity	CA IN CO	\$ \$ \$	4.600 0.900 132.000						
3828.XXXX	Advanced Secondary System Improvements This project will address the ability to process increased loadings at DCRWS. Loadings have been above-average and are anticipated to continue to increase significantly.	Capacity	ST PD FD CA IN	\$	0.500	\$	1.000 2.000	\$ \$	1.000 0.900 30.000		
3828.2200B	Plant Expansion to 21.5 MGD This expansion will increase the plant's capacity from 16.5 MGD to 21.5 MGD annual average flow.	Capacity	FD CA IN CO					\$	7.000		\$ 4.000 \$ 0.900 \$ 116.000
3828.2201	Biosolids and Dewatering Improvements Additional dewatering capability is necessary for DCRWS to continue to efficiently handle the inordinately high solids loading received at the plant. The expansion of the solids handling facilities is included in these improvements.	Capacity	FD CA IN CO	\$	3.250	\$ \$	1.000 0.800 25.000				
0202.2044	Utility Protection Services Upgrades This will be an evaluation of uninterrupted power supplies (UPS) that back up SCADA equipment, such as PLCs. The recommendations for resiliency of battery back-up will be completed system-wide at critical infrastructure, both at the plant and at lift stations.	Resiliency	CA IN CO			\$\$\$	0.300 0.300 2.500				
3828.2203	Emergency Power System Project involves the installation of (2) 15kV 2,250 kW Tier 2 diesel generators and associated transformers and switchgear located at the top end of the electrical distribution system to provide plantwide backup power for 16.5 MGD AADF/75.5 MGD P2HF during a loss of commercial power.	Resiliency	CA IN CO			\$ \$ \$	0.500 0.800 16.600				
	PIPELINE										
3828.2037	15CB-1 Cade Branch LS, East Leg Interceptor, and Force Main Improvements This project consists of approximately 8,000 LF of parallel 24- and 27-inch gravity pipeline and 2,300 LF of 20-inch force main to relieve the existing interceptor. The project also includes a new, relocated lift station LS_2C with wet well and pumping capacity improvements and a new meter station.	Capacity	CA IN CO	\$ \$ \$	0.800 0.700 20.500						
3828.2022	Denton Creek Pressure System Force Main and Kirkwood Lift Station Improvements The Denton Creek Pressure System Force Main & Lift Station Improvements project includes a capacity expansion to the Kirkwood Lift Station to accommodate increased flow demands, as well as additional site and paving improvements adjacent to the existing lift station site for temporary flow storage.	Capacity	CA IN CO	\$ \$ \$	1.000 0.800 18.100						
3828.2026A	MS 8_0HC, MS 8_5HC, MS9_0HC Rehabilitation, Phase 1 This project includes improvements to meter stations MS8_0HC, MS8_5HC, and MS9_0HC (all three measure Northlake flow). Improvements also include upstream and downstream piping replacements as necessary to improve existing meter operations.	Capacity	CA IN CO	\$ \$	0.300 0.400 3.000						

Trinity River Authority of Texas Five Year CIP Funding Encumbrance Schedule **Denton Creek Regional Wastewater System** Scheduled Period 2024 - 2028 (Project Costs in Millions) (13 Projects)

		Fi	ve	Year CI	Р				
	2024	2025		2026		2027	2028	20	24-2028
Treatment Plant	\$ 141.250	\$ 50.800	\$	38.900	\$	-	\$ 120.900	\$	351.850
Collection System	\$ 65.300	\$ 4.300	\$	0.400	\$	-	\$ -	\$	70.000
System Grand Total	\$ 206.550	\$ 55.100	\$	39.300	\$	-	\$ 120.900	\$	421.850

Project ID	Project Name	Driver ⁽¹⁾	Phase ⁽²⁾		2024		2025	2	2026	2027	2028
	PIPELINE										
3828.2026B	MS11_0HC, MS 12_0HC, and Interceptor Rehabilitation, Phase 2 This project includes improvements to meter stations MS11_0HC, and MS12_0HC (both measure Fort Worth flow). Improvements also include upstream and downstream piping replacements as necessary to improve existing meter operations.	Capacity	CA IN CO			\$ \$	0.300 0.400 3.000				
3828.2047A	ARV Replacement, Phase 2 This project involves the replacement of 10 air release valves (ARVs) located on the Denton Creek Pressure System Force Main. The ARVs are in poor condition due to the corrosion as identified in the 2015 DCRWS Corrosion Management Plan. The ARVs to be replaced are: 480D, 475D, 465D, 460D, 450D, 445D, 435D, 430D, 420D, and 410D	Condition	CA IN CO	\$ \$ \$	0.300 0.400 2.800						
3828.645	25HC-4/25HC-5 This project consists of approximately 12,850 LF of 24- to 48-inch diameter gravity pipeline and the replacement of Meter Station 10_0HC. Meter Station Haslet (MS_HAS) is to be designed by others and incorporated into the Authority's construction of 25HC-4/25HC-5 per Interlocal Agreement with the City of Haslet.	Capacity	СО	\$	16.200						
3828.2023C	Infiltration & Inflow Assessment, Phase IV Phase IV update to the DCRWS Infiltration and Inflow (I/I) Assessment includes updates to service areas, population and flow projections from customer cities; flow monitoring, rainfall and I/I analysis; update and re-calibration of the hydraulic model; and development of capital improvement projects.	Capacity	FA ST			\$	0.600	\$	0.400		

Ν	О	te	s	:

(1) Project Drivers:		
Capacity	Regulatory	
Condition	Efficiency	
Employee Safety	Resiliency	
Public/Customer Impact	Security	

(2) Project Phases:

PD - Preliminary Design Engineering FD - Final Design Engineering CA - Construction Administration

IN - Inspection (Internal Cost)

LR - Land Rights & Legal FA - Field Assessment

ST - Study

CO - Construction

Scheduled Period 2024 - 2028 (Project Costs in Millions)

(7 Projects)

		Five Year CIP										
	2024		2025			2026	2027			2028	2	024-2028
Treatment Plant	\$	5.700	\$	20.200	\$	-	\$	83.400	\$	-	\$	109.300
Collection System	\$	6.200	\$	19.200	\$	19.200	\$	-	\$	0.600	\$	45.200
System Grand Total	\$	11.900	\$	39.400	\$	19.200	\$	83.400	\$	0.600	\$	154.500

Project ID	Project Name & Descriptions	Driver ⁽¹⁾	Phase ⁽²⁾	20	24		2025	2026		2027	2	028
	PLANT											
3826.2201	Plant Expansion from 6 to 9 MGD Growth in the ROCRWS service area necessitates the expansion of the facilities at the plant. This project will expand the current annual average flow capacity from 6.0 MGD to 9.0 MGD. An administration building expansion is also included to create additional workspace for laboratory and plant staff to keep pace with the growing plant.	Capacity	PD FD CA IN CO	\$ 4	4.000	\$	10.000		\$ \$	2.300 1.100 80.000		
3826.2200	Emergency Power System This project includes the installation of a diesel generator and associated switchgear located at the top end of the electrical distribution system to provide plant-wide backup power in the event of power loss.	Capacity	PD FD CA IN CO		0.400 0.800	\$ \$ \$	0.200 0.800 6.100					
202.2044	Utility Protection Services Upgrades This will be an evaluation of uninterrupted power supplies (UPS) that back up SCADA equipment, such as PLCs. The recommendations for resiliency of battery back-up will be completed system-wide at critical infrastructure, both at the plant and at lift stations.	Resiliency	PD FD CA IN CO		0.200 0.300	\$ \$	0.300 0.300 2.500					
	PLANT	•										
3826.2008	Red Oak Creek Interceptor Rehabilitation, Segments 40RO-2, RO-3.5 and RO-4 Consists of approximately 29,100 LF of unlined reinforced concrete pipe replacement. The existing pipeline ranging in 18- to 27-inches in diameter is currently undersized and unable to convey projected wastewater flows. The pipeline is also in poor condition due to corrosion.	Condition	FD LR		3.800 2.400							
3826.2008A	Red Oak Creek Interceptor Rehabilitation, Segments 40RO-2, RO-3.5 and RO-4, Phase 1 Construction of the downstream segment, 40RO-2, which includes tunneled crossings under I-35E and State Highway 342.	Condition	CA IN CO			\$ \$ \$	0.900 0.700 17.600					
3826.2008B	Red Oak Creek Interceptor Rehabilitation, Segments 40RO-2, RO-3.5 and RO-4, Phase 2 Construction of the upstream segments, RO-3.5 and RO-4, which includes replacement of meter station MSCH1_0.	Condition	CA IN CO					\$ 0.900 \$ 0.700 \$ 17.600				
3826.2005A	Infiltration & Inflow Assessment, Phase IV Phase IV update to the ROCRWS Infiltration and Inflow (I/I) Assessment includes updates to service areas, population and flow projections from customer cities; flow monitoring, rainfall and I/I analysis; update and recalibration of the hydraulic model; and development of capital improvement projects.	Capacity	FA								\$	0.600

Notes:

Regulatory
Efficiency
Resiliency
Security

	Phases:	

PD - Preliminary Design Engineering
FD - Final Design Engineering
CA - Construction Administration
IN - Inspection (Internal Cost) LR - Land Rights & Legal FA - Field Assessment ST - Study CO - Construction

Trinity River Authority of Texas Five Year CIP Funding Encumbrance Schedule **Mountain Creek Regional Wastewater System** Scheduled Period 2024 - 2028 (Project Costs in Millions) (6 Projects)

			F	ive	Year	CIF	•			
	2024	2025		2026		2027		2028	20	24-2028
Treatment Plant	\$ -	\$	12.200	\$	-	\$	41.900	\$ 2.000	\$	56.100
Collection System	\$ -	\$	-	\$	2.100	\$	-	\$ 9.700	\$	11.800
System Grand Total	\$ -	\$	12.200	\$	2.100	\$	41.900	\$ 11.700	\$	67.900

2024	Project Name & Description	Driver ⁽¹⁾	Phase ⁽²⁾	2024		2025	2026	2027	2	2028
	PLANT									
3510.2018C	Plant Expansion from 6.0 to 9.0 MGD	Capacity	CA					\$ 1.500		
	This project includes expanding the MCRWS Plant from an average day capacity of 6.0 MGD to 9.0 MGD.		IN CO					\$ 1.000 39.400		
3510.2202	Master Plan Update The Authority takes a proactive approach to holistic planning of plant needs on a recurring basis. The previous master plan update was completed in 2020. This study will recommend future capital projects to ensure the plant has optimal capacity for incoming flows and loads while staying in compliance with regulatory requirements.	Capacity	ST						\$	2.000
3510.2203	Emergency Power System This project includes the installation of (1) 15kV 2,250 kW Tier 2 diesel generators and associated switchgear located at the top end of the electrical distribution system to provide plant-wide backup power for 9 MGD AADF/27 MGD P2HF during a loss of commercial power.	Resiliency	CA IN CO		\$ \$	0.300 0.800 8.000				
0202.2044	Utility Protection Services Upgrades This will be an evaluation of uninterrupted power supplies (UPS) that back up SCADA equipment, such as PLCs. The recommendations for resiliency of battery back-up will be completed system-wide at critical infrastructure, both at the plant and at lift stations.	Resiliency	CA IN CO		\$ \$ \$	0.300 0.300 2.500				
	PIPELINE									
3510.2019	Gifco Lift Station Expansion to 15 MGD, 18-inch Parallel Force Main, and 36-inch Gravity Improvements This project includes expanding the Gifco Lift Station from a firm capacity of 5.1 MGD to 15.0 MGD, paralleling the existing 18-inch force main with an 18-inch force main, and paralleling the existing 36-inch gravity interceptor downstream of the force main with a 36-inch gravity interceptor. *This infrastructure is currently owned by the City of Grand Prairie and is included for planning purposes only.	Capacity	PD FD LR				\$ 2.100		\$	5.300 4.100
3510.2008	30-inch Plant Gravity Interceptor Replacement This project includes the replacement of 5,200 LF of gravity interceptor from Overlook Drive to the MCRWS plant (Nodes 30P - 410P).	Capacity	PD						\$	0.300

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(1) Project Drivers:	
Capacity	Regulatory
Condition	Efficiency
Employee Safety	Resiliency
Public/Customer Impact	Security

(2) Project Phases:
PD - Preliminary Design Engineering
FD - Final Design Engineering LR - Land Rights & Legal FA - Field Assessment CA - Construction Administration IN - Inspection (Internal Cost) ST - Study CO - Construction

Trinity River Authority of Texas Five Year CIP Funding Encumbrance Schedule Tarrant County Water Supply Project Scheduled Period 2024 - 2028 (Project Costs in Millions) (16 Projects)

	Five Year CIP										
	2024 2025 2026 2027		2028		20	24-2028					
Raw Water	\$ 4.400	\$	31.500	\$	54.200	\$	49.800	\$	22.700	\$	162.600
Plant	\$ 24.420	\$	45.700	\$	1.300	\$	28.500	\$	29.700	\$	129.620
Distribution	\$ 0.600	\$	11.700	\$	0.800	\$	5.200	\$	18.300	\$	36.600
System Grand Total	\$ 29.420	\$	88.900	\$	56.300	\$	83.500	\$	70.700	\$	328.820

Project ID	Project Name & Description	Driver ⁽¹⁾	Phase ⁽²⁾	2024		2025	2026		2027	20	28
	RAW WATER										
7002.2024A	Raw Water Transmission Improvements - Phase 1 First of six phases of the Raw Water Transmission Improvements project to replace the 30-inch TCWSP raw water line. The new 72-inch raw water line spans 9 miles from Lake Arlington to	Condition	FD LR CA	\$ 3.20 \$ 1.20		0.200					
	TCWSP treatment plant and will be phased for final design and construction. Phase 1 extents will be determined in the Preliminary Design Report, to be finalized in 2023.		IN CO		\$	0.700 21.800					
7002.2024B	Raw Water Transmission Improvements - Phase 2 Second of six phases of the Raw Water Transmission Improvements project to replace the 30-inch TCWSP raw water line. The new 72-inch raw water line spans 9 miles from Lake Arlington to TCWSP treatment plant and will be phased for final design and construction. Phase 2 extents will be determined in the Preliminary Design Report, to be finalized in 2023.	Condition	FD LR CA IN CO		\$	3.200 1.200	\$ 0.200 \$ 0.700 \$ 21.800				
7002.2024C	Raw Water Transmission Improvements - Phase 3 Third of six phases of the Raw Water Transmission Improvements project to replace the 30-inch TCWSP raw water line. The new 72-inch raw water line spans 9 miles from Lake Arlington to TCWSP treatment plant and will be phased for final design and construction. Phase 3 extents will be determined in the Preliminary Design Report, to be finalized in 2023.	Condition	FD LR CA IN CO		\$	3.200 1.200					
7002.2024C	Raw Water Transmission Improvements - Phase 4 Fourth of six phases of the Raw Water Transmission Improvements project to replace the 30-inch TCWSP raw water line. The new 72-inch raw water line spans 9 miles from Lake Arlington to TCWSP treatment plant and will be phased for final design and construction. Phase 4 extents will be determined in the Preliminary Design Report, to be finalized in 2023.	Condition	FD LR CA IN CO				\$ 3.200 \$ 1.200		0.200 0.700 21.800		
7002.2024C	Raw Water Transmission Improvements - Phase 5 Fifth of six phases of the Raw Water Transmission Improvements project to replace the 30-inch TCWSP raw water line. The new 72-inch raw water line spans 9 miles from Lake Arlington to TCWSP treatment plant and will be phased for final design and construction. Phase 5 extents will be determined in the Preliminary Design Report, to be finalized in 2023.	Condition	FD LR CA IN CO				\$ 3.200 \$ 1.200		0.200 0.700 21.800		
7002.2024C	Raw Water Transmission Improvements - Phase 6 Last of six phases of the Raw Water Transmission Improvements project to replace the 30-inch TCWSP raw water line. The new 72-inch raw water line spans 9 miles from Lake Arlington to TCWSP treatment plant and will be phased for final design and construction. Phase 6 extents will be determined in the Preliminary Design Report, to be finalized in 2023.	Condition	FD LR CA IN CO					\$	3.200 1.200	\$ ().200).700 1.800
	PLANT										
7002.2204/ 7002.2204A	High Service Pump Station Replacement Due to current head limitations in addition to the age and condition of the equipment, the 2021 Triennial Report identified the existing High Service Pump Station as needing replacement.	Condition	FA PD FD CA IN CO	\$ 0.50 \$ 1.20		3.000		\$ \$ \$	1.200 0.800 23.000		
7002.2206	Clariflocculator Improvements This project includes replacement of all 9 clariflocculator mechanisms due to age but also to mitigate taste and odor by implementing more efficient scraper technology. This project also includes the rehabilitation of three existing washwater basins for better solids removal by replacing existing rake arms, installing new electrical actuators on solids drain valves, and re-coating walkways and handrails.	Condition	CA IN CO	\$ 0.70 \$ 0.72 \$ 15.50	0						

Trinity River Authority of Texas Five Year CIP Funding Encumbrance Schedule Tarrant County Water Supply Project Scheduled Period 2024 - 2028 (Project Costs in Millions) (16 Projects)

	Five Year CIP										
	2024		2025		2026		2027		2028	20	24-2028
Raw Water	\$ 4.400	\$	31.500	\$	54.200	\$	49.800	\$	22.700	\$	162.600
Plant	\$ 24.420	\$	45.700	\$	1.300	\$	28.500	\$	29.700	\$	129.620
Distribution	\$ 0.600	\$	11.700	\$	0.800	\$	5.200	\$	18.300	\$	36.600
System Grand Total	\$ 29.420	\$	88.900	\$	56.300	\$	83.500	\$	70.700	\$	328.820

Project ID	Project Name & Description	Driver ⁽¹⁾	Phase ⁽²⁾	2024		2025	20	026	2	027	2	028
	PLANT											
7002.2044	Process Control System Upgrade, Phase 1 Project consists of replacement of obsolete equipment for in-plant instrumentation, remote site instrumentation, and remote site RTU upgrades that were indicated to be short-term items in the 2016 Master Plan. Providing new PLCs at the remote sites will improve communication with the plant and maintenance of the controls will be eased as well since current RTUs are challenging to get serviced.	Condition	PD FD CA IN CO	\$ 0.300 0.600	\$ \$	0.400 0.500 4.200						
7002.2056	Fourth Ozone Generator and Transfer Pump Station No. 1 Upgrades This project includes the installation of a fourth ozone generator at the treatment plant (WTP) to increase disinfection efficiency, capacity, and taste and odor mitigation. The electrical switchgear associated with Transfer Pump Stations (TPS) No. 1 will also be replaced due to inability to maintain replacement parts. Lastly, an assessment of alternative secondary disinfectants will be conducted to determine the feasibility of utilizing a new chemical at the WTP and associated life-cycle cost.	Condition	FD CA IN CO	\$ 3.900	\$ \$ \$	1.100 0.800 30.000						
7002.2203	Emergency Power System Project involves the installation of (3) 15kV 2,500 kW Tier 2 diesel generators and associated switchgear located at the top end of the electrical distribution system to provide plant-wide backup power for 87 MGD of treated water plant-wide backup power for 87 MGD of treated water production during a loss of commercial power.	Condition	PD FD CA IN CO				\$	1.300	\$	3.500	\$ \$	0.900 0.800 28.000
0202.2044	Utility Protection Services Upgrades This will be an evaluation of uninterrupted power supplies (UPS) that back up SCADA equipment, such as PLCs. The recommendations for resiliency of battery back-up will be completed system-wide at critical infrastructure, at the plant and at the remote sites.	Resiliency	PD FD CA IN CO	\$ 0.300 0.700	\$ \$ \$	0.200 0.400 5.100						
	DISTRIBUTION											
7002.2061	24-inch Euless North & Grapevine East Water Line (Cheek-Sparger Fork) Construction of 7,000 LF of 24-inch treated water line along Cheek-Sparger Road from the intersection of Murphy Drive and Cheek-Sparger to the intersection of Cheek Sparger and the State Highway 121 service road.	Capacity	LR CA IN CO	\$ 0.600	\$ \$ \$	0.500 0.700 8.500						
7002.2201	Grapevine West and Colleyville East and South Water Lines Project includes approximately 10,100 LF of 20-inch treated water line paralleling the existing 30-inch RCCP line in the Grapevine West and Colleyville East delivery points. The project also includes approximately 2,200 LF of 24-inch treated water line to parallel the existing 36-inch RCCP line along Cheek Sparger Road from the intersection of Springhollow Street and Check Sparger Road to the Colleyville South delivery point.	Capacity	PD FD LR CA IN CO				\$	0.500	\$\$	1.300 0.500	\$ \$ \$	0.500 0.800 10.000
7002.2202	Distribution System - Condition Assessment Project includes the development of a biennial condition assessment program within the TCWSP distribution system. The condition assessment will monitor corrosion within the system to enhance ongoing preventative maintenance efforts and identify areas of concern for the Capital Improvement Program.	Condition	FA FA		\$	2.000			\$	2.000		

Trinity River Authority of Texas Five Year CIP Funding Encumbrance Schedule Tarrant County Water Supply Project Scheduled Period 2024 - 2028 (Project Costs in Millions) (16 Projects)

	Five Year CIP										
	2024		2025		2026		2027		2028	20	24-2028
Raw Water	\$ 4.400	\$	31.500	\$	54.200	\$	49.800	\$	22.700	\$	162.600
Plant	\$ 24.420	\$	45.700	\$	1.300	\$	28.500	\$	29.700	\$	129.620
Distribution	\$ 0.600	\$	11.700	\$	0.800	\$	5.200	\$	18.300	\$	36.600
System Grand Total	\$ 29.420	\$	88.900	\$	56.300	\$	83.500	\$	70.700	\$	328.820

Project ID	Project Name & Description	Driver ⁽¹⁾	Phase ⁽²⁾	2024	2025	2026	2027	2	2028
	DISTRIBUTION								
7002.2207	North Richland Hills Pump Station Improvements	Condition	PD			\$ 0.300			
	Installation of a new VFD pump with a capacity of 11.52 MGD to replace one of the existing fixed		FD				\$ 0.800		
	velocity pumps. Due to the wide range of flows through the PS the staff utilizes the pump with the		LR				\$ 0.600		
	VFD 24/7 and currently there is no redundancy if it goes out of service.		CA					\$	0.200
l			IN					\$	0.800
			CO					\$	6.000

Notes:

(1) Project Drivers:	
Capacity	Regulatory
Condition	Efficiency
Employee Safety	Resiliency
Public/Customer Impact	Security

(2) Project Phases:	
PD - Preliminary Design Engineering	LR - Land Rights & Legal
FD - Final Design Engineering	FA - Field Assessment
CA - Construction Administration	ST - Study
IN - Inspection (Internal Cost)	CO - Construction

Scheduled Period 2024 - 2028 (Project Costs in Millions)

(4 Projects)

	Five Year CIP										
	2024		2025	5 2026 2027 2028		2028	20	24-2028			
Treatment Plant	\$ -	\$	-	\$	-	\$	-	\$	-	\$	-
Collection System	\$ 5.605	\$	7.173	\$	-	\$	7.034	\$	-	\$	19.812
Grand Total	\$ 5.605	\$	7.173	\$	-	\$	7.034	\$	-	\$	19.812

Project ID	Project Name	Driver ⁽¹⁾	Phase ⁽²⁾	2024	2025	2026	2027	2028
3410.2004	Walker-Calloway Phase 4	Condition	CA	\$ 0.436				
	1,914 LF and replacement of 1,054 LF of existing 27-inch unlined RCP along Calloway Branch. The		IN	\$ 0.324				
	project also includes the replacement of Meter Station MS2_0WC.		CO	\$ 4.845				
3410.2005	Walker-Calloway Phase 5	Condition	CA		\$ 0.555			
	Rehabilitation and replacement of approximately 5,900 LF of 27- to 33-inch unlined RCP along the		IN		\$ 0.450			
	Walker Branch. Rehabilitation of approximately 2,000 LF of 27-inch and 1,800 LF of 33-inch unlined							
	RCP and replacement of the remainder of the pipe with approximately 1,800 LF of 30-inch and 300 LF		CO		\$ 6.168			
	of 33-inch in a new alignment along the Walker Branch.		CO		ф 0.100			
3410.2006	Walker-Calloway Phase 6	Condition	CA				\$ 0.241	
	Rehabilitation and replacement of 2,350 LF of existing 24-inch unlined RCP along Walker Branch. The		IN				\$ 0.240	
	new alignment includes replacement of 1,220 LF of 24-inch RCP and rehabbing 1,130 LF of 24-inch		CO				\$ 2.680	
	RCP.							
3410.2007	Walker-Calloway Phase 7	Condition	CA				\$ 0.330	
	Rehabilitation of 2,915 LF of 24-inch unlined RCP along Walker Branch.		IN				\$ 0.240	
	·		CO				\$ 3.303	

Notes:

(1) Project Drivers:	
Capacity	Regulatory
Condition	Efficiency
Employee Safety	Resiliency
Public/Customer Impact	Security

(2) Project Phases:
PD - Preliminary Design Engineering LR - Land Rights & Legal FD - Final Design Engineering FA - Field Assessment CA - Construction Administration ST - Study IN - Inspection (Internal Cost) CO - Construction



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COMBINED SCHEDULE OF DEBT SERVICE REQUIREMENTS TO MATURITY AUGUST 1, 2023

GOVERNMENTAL ACTIVITIES

BUSINESS-TYPE ACTIVITIES

FISCAL YEAR	EVENUE BONDS*	REVENUE BONDS*	CONTRACTS PAYABLE	TOTAL REQUIREMENTS
2024	\$ 281,962	\$ 172,873,896	\$ 734,864	\$ 173,890,722
2025	281,500	175,782,811	731,817	176,796,128
2026	280,573	176,264,323	727,318	177,272,214
2027	279,180	177,102,407	722,822	178,104,409
2028	277,322	170,056,966	719,774	171,054,062
2029		149,934,715	716,726	150,651,441
2030		150,659,239	713,678	151,372,917
2031		150,764,712	710,631	151,475,343
2032		147,866,550	707,585	148,574,135
2033		96,710,047	704,535	97,414,582
2034		87,391,505	701,490	88,092,995
2035		80,751,667	698,442	81,450,109
2036		80,296,530	695,394	80,991,924
2037		77,776,472	679,938	78,456,410
2038		61,669,460	676,890	62,346,350
2039		37,503,897	673,841	38,177,738
2040		27,391,215	670,795	28,062,010
2041		23,119,756	667,746	23,787,502
2042		21,420,490	415,342	21,835,832
2043		5,150	415,342	420,492
2044			415,343	415,343
2045			415,342	415,342
2046			415,342	415,342
2047			415,342	415,342
2048			415,342	415,342
2049			415,342	415,342
2050			415,342	415,342
2051			415,342	415,342
2052			415,343	415,343
2053	 		415,346	 415,346
TOTAL	\$ 1,400,537	\$ 2,065,341,808	\$ 17,638,396	\$ 2,084,380,741

 $^{^{\}star}$ Includes \$157,489,103 (\$136,850,000 principal and \$20,639,103 interest) from direct placement revenue bonds.

SCHEDULE OF DEBT SERVICE REQUIREMENTS TO MATURITY GOVERNMENTAL ACTIVITIES AUGUST 1, 2023

GENERAL IMPROVEMENT REVENUE BONDS

FISCAL	SERIE	S 20	008*		TOTAL
YEAR	Principal		Interest	RE	QUIREMENTS
2024	\$ 225,000	\$	56,962	\$	281,962
2025	235,000		46,500		281,500
2026	245,000		35,573		280,573
2027	255,000		24,180		279,180
2028	 265,000		12,322		277,322
TOTAL	\$ 1,225,000	\$	175,537	\$	1,400,537

^{*} This is a direct placement revenue bond.

SCHEDULE OF DEBT SERVICE REQUIREMENTS TO MATURITY BUSINESS TYPE ACTIVITIES - REVENUE BONDS AUGUST 1, 2023

CENTRAL REGIONAL WASTEWATER SYSTEM

FISCAL		SERIE	S 201	2*	SERIES 201	3/20	13 REF	SERIES :	201	4 REF	SERIES 2	2016	6 REF	SERIES 201	7/2	2017 REF	SERIES 201	8/20	018 REF
YEAR	F	Principal		Interest	Principal		Interest	Principal		Interest	Principal		Interest	Principal		Interest	Principal		Interest
2024	\$	3,960,000	\$	699,193	\$ 1,010,000	\$	608,325	\$ 6,605,000	\$	485,450	\$ 7,765,000	\$	2,933,500	\$ 20,130,000	\$	10,127,350	\$ 8,590,000	\$	8,763,650
2025		4,160,000		650,881	1,050,000		575,500	715,000		155,200	16,015,000		2,545,250	20,755,000		9,408,450	9,025,000		8,334,150
2026		4,365,000		594,721	1,105,000		523,000	745,000		126,600	16,950,000		1,744,500	21,380,000		8,665,100	9,475,000		7,882,900
2027		4,585,000		531,865	1,150,000		467,750	770,000		96,800	17,940,000		897,000	22,020,000		7,891,200	9,940,000		7,409,150
2028		4,815,000		462,173	1,200,000		410,250	805,000		66,000				43,340,000		6,877,900	10,445,000		6,912,150
2029		5,055,000		385,615	1,275,000		350,250	845,000		33,800				14,605,000		4,789,500	10,970,000		6,389,900
2030		5,310,000		301,702	1,340,000		286,500							15,330,000		4,059,250	11,520,000		5,841,400
2031		5,575,000		209,839	1,390,000		219,500							8,085,000		3,292,750	11,855,000		5,495,800
2032		5,855,000		109,488	1,465,000		150,000							8,495,000		2,888,500	12,455,000		4,903,050
2033					1,535,000		76,750							8,915,000		2,463,750	13,080,000		4,280,300
2034														9,365,000		2,018,000	13,720,000		3,626,300
2035														9,830,000		1,549,750	14,420,000		2,940,300
2036														10,325,000		1,058,250	15,145,000		2,219,300
2037														10,840,000		542,000	15,885,000		1,462,050
2038																	16,695,000		667,800
2039																			
2040																			
2041																			
2042																			
2043																			
TOTAL	\$	43,680,000		\$3,945,477	\$12,520,000		\$3,667,825	\$10,485,000		\$963,850	\$58,670,000		\$8,120,250	\$223,415,000	_	\$65,631,750	\$ 183,220,000	5	\$77,128,200

^{*} This is a direct placement revenue bond.

SCHEDULE OF DEBT SERVICE REQUIREMENTS TO MATURITY BUSINESS TYPE ACTIVITIES - REVENUE BONDS AUGUST 1, 2023

CENTRAL REGIONAL WASTEWATER SYSTEM (continued)

FISCAL	SERIES 201	9/2019 REF	SERIES 20)20 REF	SERIES 20)21 REF	SERIES	2022	тот	AL	TOTAL
YEAR	Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest	REQUIREMENTS
2024	\$ 6,005,000	\$ 4,997,750	\$ -	\$ 3,630,150	\$ 3,965,000	\$ 2,981,450	\$ 4,370,000	\$ 5,725,806	\$ 62,400,000	\$ 40,952,624	\$ 103,352,624
2025	6,310,000	4,697,500	-	3,630,150	4,340,000	2,783,200	4,590,000	5,507,306	66,960,000	38,287,587	105,247,587
2026	6,630,000	4,382,000	-	3,630,150	4,740,000	2,566,200	4,820,000	5,277,806	70,210,000	35,392,977	105,602,977
2027	6,960,000	4,050,500	-	3,630,150	5,165,000	2,329,200	5,060,000	5,036,807	73,590,000	32,340,422	105,930,422
2028	7,305,000	3,702,500	-	3,630,150	5,925,000	2,070,950	5,315,000	4,783,807	79,150,000	28,915,880	108,065,880
2029	14,770,000	3,337,250	15,255,000	3,630,150	7,650,000	1,774,700	5,580,000	4,518,056	76,005,000	25,209,221	101,214,221
2030	15,065,000	2,598,750	17,820,000	2,867,400	8,150,000	1,392,200	5,860,000	4,239,056	80,395,000	21,586,258	101,981,258
2031	14,865,000	1,845,500	28,250,000	1,976,400	8,330,000	984,700	6,150,000	3,946,056	84,500,000	17,970,545	102,470,545
2032	7,125,000	1,102,250	37,575,000	1,128,900	8,155,000	568,200	6,460,000	3,638,556	87,585,000	14,488,944	102,073,944
2033	7,300,000	933,031	5,000	1,650	6,050,000	242,000	6,780,000	3,315,557	43,665,000	11,313,038	54,978,038
2034	7,890,000	759,656	5,000	1,500			7,120,000	2,976,556	38,100,000	9,382,012	47,482,012
2035	4,065,000	562,406	5,000	1,350			7,480,000	2,620,556	35,800,000	7,674,362	43,474,362
2036	4,180,000	460,781	5,000	1,200			7,850,000	2,246,556	37,505,000	5,986,087	43,491,087
2037	4,280,000	351,056	5,000	1,050			8,125,000	1,971,806	39,135,000	4,327,962	43,462,962
2038	4,395,000	238,706	5,000	900			8,410,000	1,687,432	29,505,000	2,594,838	32,099,838
2039	4,485,000	123,338	5,000	750			8,715,000	1,382,569	13,205,000	1,506,657	14,711,657
2040			5,000	600			9,030,000	1,066,650	9,035,000	1,067,250	10,102,250
2041			5,000	450			9,370,000	728,025	9,375,000	728,475	10,103,475
2042			5,000	300			9,720,000	376,650	9,725,000	376,950	10,101,950
2043			5,000	150					5,000	150	5,150
TOTAL	\$121,630,000	\$34,142,974	\$98,955,000	\$27,763,500	\$62,470,000	\$17,692,800	\$130,805,000	\$61,045,613	\$945,850,000	\$300,102,239	\$1,245,952,239

SCHEDULE OF DEBT SERVICE REQUIREMENTS TO MATURITY BUSINESS TYPE ACTIVITIES - REVENUE BONDS AUGUST 1, 2023

TEN MILE CREEK REGIONAL WASTEWATER SYSTEM

FISCAL	SE	RIES	2011*		SERIE	S 2	013	SERIES 2	2016	REF*	SERIES 20	16/2	016 REF	SERIES 201	9/2	019 REF
YEAR	Principal		Interest		Principal		Interest	Principal		Interest	Principal		Interest	Principal		Interest
2024	\$ 905,0	00 \$	630,465	\$	510,000	\$	267,728	\$ 2,280,000	\$	194,442	\$ 4,265,000	\$	1,865,950	\$ 1,345,000	\$	1,078,525
2025	935,0	00	608,293		525,000		247,327	2,345,000		131,514	4,480,000		1,652,700	1,420,000		1,011,275
2026	975,0	00	583,982		555,000		226,328	2,420,000		66,792	4,700,000		1,428,700	1,490,000		940,275
2027	1,010,0	00	557,658		570,000		204,127				7,510,000		1,256,200	1,570,000		865,775
2028	2,250,0	00	529,377		595,000		180,615				1,980,000		955,800	1,625,000		787,275
2029	2,320,0	00	463,003		620,000		155,327				2,065,000		876,600	1,710,000		706,025
2030	2,400,0	00	392,242		645,000		128,358				2,150,000		794,000	1,785,000		620,525
2031	2,480,0	00	316,643		680,000		99,333				2,230,000		708,000	1,875,000		531,275
2032	2,295,0	00	237,282		705,000		67,713				2,330,000		618,800	1,615,000		437,525
2033	2,370,0	00	162,695		740,000		34,225				2,430,000		525,600	1,695,000		356,775
2034	2,450,0	00	83,300								2,520,000		428,400	1,785,000		272,025
2035											2,620,000		327,600	1,850,000		200,625
2036											2,730,000		222,800	1,925,000		126,625
2037											2,840,000		113,600	850,000		73,688
2038														870,000		50,313
2039														880,000		25,300
2040																
2041																
2042																
2043																
TOTAL	\$20,390,	000	\$4,564,940)	\$6,145,000		\$1,611,081	\$7,045,000		\$392,748	\$44,850,000		\$11,774,750	\$24,290,000		\$8,083,826

^{*} This is a direct placement revenue bond.

SCHEDULE OF DEBT SERVICE REQUIREMENTS TO MATURITY BUSINESS TYPE ACTIVITIES - REVENUE BONDS AUGUST 1, 2023

TEN MILE CREEK REGIONAL WASTEWATER SYSTEM

DENTON CREEK REGIONAL WASTEWATER SYSTEM

FISCAL	TOTA	AL	TOTAL		SERIES	201	I1A*	SERIE	S 20)12*	SERIE	S 2	013	SERIES 2	016	REF*
YEAR	Principal	Interest	REQUIREMENTS		Principal		Interest	Principal		Interest	Principal		Interest	Principal		Interest
2024 2025	\$ 9,305,000 \$ 9,705,000	\$ 4,037,110 3,651,109	\$ 13,342,110 13,356,109	\$	1,650,000 1,735,000	\$	784,820 742,053	\$ 345,000 365,000	\$	253,967 248,333	\$ 155,000 155,000	\$	76,394 70,194	\$ 1,155,000 1,190,000	\$	75,285 45,738
2026	10,140,000	3,246,077	13,386,077		1,815,000		694,995	375,000		242,059	170,000		63,588	1,220,000		15,372
2027 2028	10,140,000 10,660,000 6,450,000	2,883,760 2,453,067	13,543,760 8,903,067		1,905,000 2,005,000		643,822 587,579	385,000 615,000		235,294 225,978	175,000 175,000 180,000		56,472 49,037	1,220,000		15,572
2029	6,715,000	2,200,955	8,915,955		2,815,000		515,076	635,000		213,944	185,000		41,281			
2030	6,980,000	1,935,125	8,915,125		2,935,000		425,921	660,000		201,022	195,000		32,962			
2031	7,265,000	1,655,251	8,920,251		3,065,000		330,655	685,000		187,164	200,000		24,075			
2032	6,945,000	1,361,320	8,306,320		3,200,000		229,615	715,000		172,284	210,000		14,850			
2033	7,235,000	1,079,295	8,314,295		745,000		165,136	745,000		156,292	225,000		5,062			
2034	6,755,000	783,725	7,538,725		785,000		139,313	775,000		139,188						
2035	4,470,000	528,225	4,998,225		825,000		111,530	810,000		120,916						
2036	4,655,000	349,425	5,004,425		865,000		81,739	840,000		101,484						
2037	3,690,000	187,288	3,877,288		910,000		50,232	880,000		80,884						
2038	870,000	50,313	920,313		960,000		17,040	920,000		59,102						
2039	880,000	25,300	905,300					960,000		36,212						
2040								1,000,000		12,250						
2041																
2042																
2043				_												
TOTAL	\$102,720,000	\$26,427,345	\$129,147,345	_	\$26,215,000		\$5,519,526	\$11,710,000		\$2,686,373	\$1,850,000		\$433,915	\$3,565,000		\$136,395

^{*} This is a direct placement revenue bond.

SCHEDULE OF DEBT SERVICE REQUIREMENTS TO MATURITY BUSINESS TYPE ACTIVITIES - REVENUE BONDS AUGUST 1, 2023

DENTON CREEK REGIONAL WASTEWATER SYSTEM (continued)

FISCAL	S	RIES	S 20	16	SERIES	2017	REF	SERIE	S 2	019	SERIES 202	20/2	020 REF	SERIE	S 2	022
YEAR	Principa	l		Interest	Principal		Interest	Principal		Interest	Principal		Interest	Principal		Interest
2024	\$ 305	000	\$	158,281	\$ 3,690,000	\$	774,750	\$ 990,000	\$	953,400	\$ 755,000	\$	1,018,025	\$ 1,260,000	\$	1,627,143
2025	305	000		150,275	3,875,000		585,625	1,030,000		902,900	795,000		979,275	1,335,000		1,562,269
2026	315	000		140,975	4,080,000		386,750	1,095,000		849,775	550,000		945,650	1,395,000		1,494,019
2027	310	000		130,050	5,695,000		142,375	1,145,000		793,775	565,000		917,775	1,470,000		1,422,394
2028	335	000		117,150				1,210,000		734,900	2,910,000		830,900	1,545,000		1,347,019
2029	350	000		105,200				1,265,000		673,025	2,910,000		685,400	1,620,000		1,267,894
2030	360	000		94,550				1,330,000		614,800	2,905,000		540,025	1,705,000		1,184,769
2031	365	000		83,675				1,380,000		560,600	2,910,000		394,650	1,790,000		1,097,394
2032	380	000		72,500				1,440,000		504,200	2,880,000		278,700	1,885,000		1,005,519
2033	390	000		59,000				1,510,000		445,200	1,880,000		207,300	1,990,000		908,644
2034	410	000		43,000				1,560,000		383,800	1,680,000		153,900	2,085,000		806,769
2035	425	000		26,300				1,625,000		320,100	1,585,000		104,925	2,190,000		699,894
2036	445	000		8,900				1,690,000		253,800	1,190,000		63,300	2,290,000		605,069
2037								1,760,000		184,800	395,000		39,525	2,370,000		523,519
2038								1,835,000		112,900	365,000		28,125	2,450,000		437,637
2039								1,905,000		38,100	370,000		17,100	2,545,000		347,103
2040											385,000		5,775	2,635,000		253,215
2041														2,735,000		155,884
2042														2,835,000		53,155
2043																
TOTAL	\$4,695	000		\$1,189,856	\$17,340,000		\$1,889,500	\$22,770,000		\$8,326,075	\$25,030,000		\$7,210,350	\$38,130,000		\$16,799,309

SCHEDULE OF DEBT SERVICE REQUIREMENTS TO MATURITY BUSINESS TYPE ACTIVITIES - REVENUE BONDS AUGUST 1, 2023

DENTON CREEK REGIONAL WASTEWATER SYSTEM (continued)

RED OAK CREEK REGIONAL WASTEWATER SYSTEM

FISCAL	тоти	AL.		TOTAL	SERIE	S 20)13	SERIES 2	2015	REF*	SERIES 20	16/2	016 REF	SERIE	S 20)18
YEAR	Principal	Interest	REQ	UIREMENTS	Principal		Interest	Principal		Interest	Principal		Interest	Principal		Interest
				<u>.</u>												
2024	\$ 10,305,000	\$ 5,722,065	\$	16,027,065	\$ 200,000	\$	97,881	\$ 545,000	\$	32,818	\$ 1,630,000	\$	543,050	\$ 1,235,000	\$	1,257,525
2025	10,785,000	5,286,662		16,071,662	205,000		90,538	555,000		19,949	1,710,000		459,550	1,295,000		1,194,275
2026	11,015,000	4,833,183		15,848,183	215,000		82,394	575,000		6,727	1,790,000		372,050	1,355,000		1,128,025
2027	11,650,000	4,341,957		15,991,957	220,000		73,694				2,520,000		264,300	1,425,000		1,058,525
2028	8,800,000	3,892,563		12,692,563	230,000		64,406				2,650,000		135,050	1,505,000		985,275
2029	9,780,000	3,501,820		13,281,820	235,000		54,525				160,000		64,800	1,575,000		908,275
2030	10,090,000	3,094,049		13,184,049	255,000		43,794				170,000		56,550	1,665,000		827,275
2031	10,395,000	2,678,213		13,073,213	265,000		32,094				180,000		47,800	1,740,000		742,150
2032	10,710,000	2,277,668		12,987,668	275,000		19,772				190,000		39,500	1,835,000		652,775
2033	7,485,000	1,946,634		9,431,634	290,000		6,707				200,000		31,700	1,925,000		558,775
2034	7,295,000	1,665,970		8,960,970							205,000		23,600	2,025,000		460,025
2035	7,460,000	1,383,665		8,843,665							210,000		16,350	2,130,000		356,150
2036	7,320,000	1,114,292		8,434,292							215,000		9,975	2,225,000		258,400
2037	6,315,000	878,960		7,193,960							225,000		3,375	2,330,000		155,650
2038	6,530,000	654,804		7,184,804										2,435,000		48,700
2039	5,780,000	438,515		6,218,515												
2040	4,020,000	271,240		4,291,240												
2041	2,735,000	155,884		2,890,884												
2042	2,835,000	53,155		2,888,155												
2043																
		*		• · · · • · · · · · · · · · · · · · · ·												
TOTAL	\$151,305,000	\$44,191,299	9 9	\$195,496,29 <u>9</u>	 \$2,390,000		\$565,805	\$1,675,000		\$59,494	\$12,055,000		\$2,067,650	\$26,700,000		\$10,591,800

^{*} This is a direct placement revenue bond.

SCHEDULE OF DEBT SERVICE REQUIREMENTS TO MATURITY BUSINESS TYPE ACTIVITIES - REVENUE BONDS AUGUST 1, 2023

RED OAK CREEK REGIONAL WASTEWATER SYSTEM (continued)

FISCAL		SERIE	S 20	119	SERIES 2	2020	REF*	SERIES 202	21/2	021 REF	SERIE	S 2	022		тот	AL	•		TOTAL
YEAR	F	Principal		Interest	Principal		Interest	Principal		Interest	Principal		Interest		Principal		Interest	REG	QUIREMENTS
2024	\$	745,000	\$	737,025	\$ 315,000	\$	100,409	\$ 1,365,000	\$	1,126,075	\$ 220,000	\$	336,000	\$	6,255,000	\$	4,230,783	\$	10,485,783
2025		790,000		698,650	320,000		94,535	1,450,000		1,055,700	230,000		324,750		6,555,000		3,937,947		10,492,947
2026		830,000		658,150	330,000		88,523	1,545,000		980,825	240,000		313,000		6,880,000		3,629,694		10,509,694
2027		870,000		615,650	335,000		82,371	1,635,000		909,500	260,000		300,500		7,265,000		3,304,540		10,569,540
2028		915,000		571,025	340,000		76,127	1,715,000		842,500	270,000		287,250		7,625,000		2,961,633		10,586,633
2029		960,000		524,150	1,290,000		61,050	1,800,000		772,200	285,000		273,375		6,305,000		2,658,375		8,963,375
2030		1,015,000		474,775	1,315,000		36,954	1,885,000		698,500	300,000		258,750		6,605,000		2,396,598		9,001,598
2031		1,060,000		422,900	1,340,000		12,395	1,990,000		621,000	315,000		243,375		6,890,000		2,121,714		9,011,714
2032		1,115,000		368,525				1,610,000		540,950	330,000		227,250		5,355,000		1,848,772		7,203,772
2033		1,175,000		317,150				1,285,000		468,575	345,000		210,375		5,220,000		1,593,282		6,813,282
2034		1,220,000		269,250				1,270,000		411,050	365,000		192,625		5,085,000		1,356,550		6,441,550
2035		1,270,000		219,450				1,330,000		359,050	385,000		173,875		5,325,000		1,124,875		6,449,875
2036		1,320,000		167,650				1,375,000		304,950	400,000		154,250		5,535,000		895,225		6,430,225
2037		1,375,000		113,750				1,425,000		256,075	425,000		133,625		5,780,000		662,475		6,442,475
2038		1,415,000		65,025				1,470,000		212,650	445,000		111,875		5,765,000		438,250		6,203,250
2039		1,460,000		21,900				1,525,000		160,100	465,000		89,125		3,450,000		271,125		3,721,125
2040								1,590,000		97,800	490,000		65,250		2,080,000		163,050		2,243,050
2041								1,650,000		33,000	520,000		40,000		2,170,000		73,000		2,243,000
2042											540,000		13,500		540,000		13,500		553,500
2043											,				,				
TOTAL		47 505 000		* C 045 005	* F FOF 000		\$550.004	\$07.04F.000		\$0.050.500	¢c 000 000		60.740.750	•	400 005 000		* 22 CO4 200		#404 000 000
TOTAL	\$	17,535,000		\$6,245,025	\$5,585,000		\$552,364	<u>\$27,915,000</u>		\$9,850,500	\$6,830,000		\$3,748,750	\$	100,685,000		\$33,681,388		\$134,366,388

^{*} This is a direct placement revenue bond.

SCHEDULE OF DEBT SERVICE REQUIREMENTS TO MATURITY BUSINESS TYPE ACTIVITIES - REVENUE BONDS AUGUST 1, 2023

MOUNTAIN CREEK REGIONAL WASTEWATER SYSTEM

FISCAL		SERIE	S 20)11*	SERIE	S 20	016	SERIE	S 2	018	SERIES 202	20/2	020 REF	SERIE	S 2	022
YEAR	F	Principal		Interest	Principal		Interest	Principal		Interest	Principal		Interest	Principal		Interest
2024	\$	360,000	\$	223,053	\$ 30,000	\$	15,275	\$ 325,000	\$	252,606	\$ 1,360,000	\$	1,215,050	\$ 2,120,000	\$	2,727,088
2025		375,000		215,672	30,000		14,600	340,000		236,357	1,390,000		1,181,050	2,225,000		2,621,088
2026		385,000		207,423	35,000		13,700	355,000		219,356	1,420,000		1,146,300	2,340,000		2,509,838
2027		395,000		198,375	35,000		12,650	370,000		201,606	1,485,000		1,075,300	2,460,000		2,392,838
2028		405,000		188,698	35,000		11,250	395,000		183,106	1,560,000		1,001,050	2,580,000		2,269,838
2029		425,000		178,370	35,000		9,850	395,000		163,356	1,640,000		923,050	2,700,000		2,140,838
2030		440,000		167,107	40,000		8,800	405,000		151,506	1,725,000		841,050	2,835,000		2,005,838
2031		455,000		155,008	40,000		7,600	415,000		139,356	1,810,000		754,800	2,985,000		1,864,088
2032		475,000		142,268	40,000		6,400	430,000		126,906	1,900,000		664,300	3,130,000		1,714,838
2033		620,000		128,492	40,000		4,800	445,000		113,469	1,855,000		588,300	3,180,000		1,558,338
2034		645,000		110,202	40,000		3,200	465,000		91,219	1,935,000		514,100	3,335,000		1,399,338
2035		670,000		90,530	40,000		1,600	475,000		76,106	2,010,000		436,700	3,505,000		1,232,588
2036		695,000		69,760				495,000		60,669	2,090,000		356,300	3,675,000		1,057,338
2037		725,000		47,520				510,000		43,963	2,170,000		272,700	3,860,000		873,588
2038		760,000		24,320				535,000		26,750	2,240,000		207,600	3,990,000		743,313
2039											2,305,000		140,400	4,125,000		608,650
2040											2,375,000		71,250	4,270,000		464,275
2041														4,420,000		314,825
2042														4,575,000		160,125
2043																
TOTAL		\$7,830,000		\$2,146,798	\$440,000		\$109,725	\$6,355,000		\$2,086,331	\$31,270,000		\$11,389,300	\$62,310,000		\$28,658,670

^{*} This is a direct placement revenue bond.

SCHEDULE OF DEBT SERVICE REQUIREMENTS TO MATURITY BUSINESS TYPE ACTIVITIES - REVENUE BONDS AUGUST 1, 2023

MOUNTAIN CREEK REGIONAL WASTEWATER SYSTEM (continued)

TARRANT COUNTY WATER SUPPLY PROJECT

FISCAL	тотл	AL	TOTAL	SERIE	S 20°	13	SERIES :	2015	REF	SERIES :	201	6 REF		SERIE	S 20	17
YEAR	Principal	Interest	REQUIREMENTS	Principal		nterest	Principal		Interest	Principal		Interest		Principal		Interest
2024	\$ 4,195,000	\$ 4,433,072	\$ 8,628,072	\$ 140,000	\$	70,550	\$ 8,595,000	\$	714,875	\$ -	\$	1,582,350	\$	795,000	\$	769,125
2025	4,360,000	4,268,767	8,628,767	150,000		65,469	10,000,000		250,000	-		1,582,350		840,000		728,250
2026	4,535,000	4,096,617	8,631,617	150,000		59,937				10,800,000		1,312,350		885,000		685,125
2027	4,745,000	3,880,769	8,625,769	160,000		53,925				11,290,000		816,550		930,000		639,750
2028	4,975,000	3,653,942	8,628,942	160,000		47,425				11,815,000		295,375		975,000		592,125
2029	5,195,000	3,415,464	8,610,464	170,000		40,513								1,020,000		542,250
2030	5,445,000	3,174,301	8,619,301	180,000		32,850								1,075,000		489,875
2031	5,705,000	2,920,852	8,625,852	190,000		24,525								1,145,000		434,375
2032	5,975,000	2,654,712	8,629,712	200,000		15,250								1,190,000		376,000
2033	6,140,000	2,393,399	8,533,399	205,000		5,125								1,250,000		315,000
2034	6,420,000	2,118,059	8,538,059											1,310,000		251,000
2035	6,700,000	1,837,524	8,537,524											1,385,000		183,625
2036	6,955,000	1,544,067	8,499,067											1,455,000		112,625
2037	7,265,000	1,237,771	8,502,771											1,525,000		38,125
2038	7,525,000	1,001,983	8,526,983													
2039	6,430,000	749,050	7,179,050													
2040	6,645,000	535,525	7,180,525													
2041	4,420,000	314,825	4,734,825													
2042	4,575,000	160,125	4,735,125													
2043																
TOTAL	\$108,205,000	\$44,390,824	\$152,595,824	 \$1,705,000		\$415,569	\$18,595,000		\$964,875	\$33,905,000		\$5,588,975	;	\$15,780,000		\$6,157,250

SCHEDULE OF DEBT SERVICE REQUIREMENTS TO MATURITY BUSINESS TYPE ACTIVITIES - REVENUE BONDS AUGUST 1, 2023

TARRANT COUNTY WATER SUPPLY PROJECT (continued)

FISCAL		SERIE	S 20	118	SERIE	S 20)19	SERIE	S 20	020	SERIE	S 2	022	тот	AL			TOTAL
YEAR	F	Principal		Interest	Principal		Interest	Principal		Interest	Principal	Inte	erest	Principal		Interest	REC	UIREMENTS
2024	\$	190,000	\$	79,019	\$ 630,000	\$	558,950	\$ 205,000	\$	223,475	1,155,000	\$	1,719,750	\$ 11,710,000	\$	5,718,094	\$	17,428,094
2025		200,000		71,219	660,000		526,700	215,000		212,975	1,210,000		1,660,625	13,275,000		5,097,588		18,372,588
2026		220,000		62,819	695,000		492,825	230,000		201,850	1,275,000		1,598,500	14,255,000		4,413,406		18,668,406
2027		225,000		53,918	735,000		457,075	240,000		190,100	1,345,000		1,533,000	14,925,000		3,744,318		18,669,318
2028		235,000		44,719	770,000		419,450	255,000		177,725	1,410,000		1,464,125	15,620,000		3,040,944		18,660,944
2029		110,000		38,369	810,000		379,950	265,000		164,725	1,485,000		1,391,750	3,860,000		2,557,557		6,417,557
2030		110,000		35,069	850,000		338,450	280,000		151,100	1,560,000		1,315,625	4,055,000		2,362,969		6,417,969
2031		115,000		31,694	890,000		294,950	290,000		136,850	1,640,000		1,235,625	4,270,000		2,158,019		6,428,019
2032		120,000		28,094	945,000		249,075	305,000		123,500	1,720,000		1,151,625	4,480,000		1,943,544		6,423,544
2033		120,000		24,344	980,000		210,750	315,000		111,100	1,805,000		1,063,500	4,675,000		1,729,819		6,404,819
2034		120,000		20,519	1,010,000		180,900	330,000		98,200	1,905,000		970,750	4,675,000		1,521,369		6,196,369
2035		130,000		16,456	1,040,000		150,150	345,000		84,700	2,000,000		873,125	4,900,000		1,308,056		6,208,056
2036		135,000		12,066	1,070,000		118,500	355,000		70,700	2,105,000		770,500	5,120,000		1,084,391		6,204,391
2037		145,000		7,341	1,105,000		85,875	375,000		56,100	2,210,000		662,625	5,360,000		850,066		6,210,066
2038		145,000		2,447	1,140,000		52,200	390,000		40,800	2,325,000		549,250	4,000,000		644,697		4,644,697
2039					1,170,000		17,550	405,000		24,900	2,445,000		430,000	4,020,000		472,450		4,492,450
2040								420,000		8,400	2,565,000		304,750	2,985,000		313,150		3,298,150
2041											2,695,000		181,672	2,695,000		181,672		2,876,672
2042											2,805,000		61,360	2,805,000		61,360		2,866,360
2043														-		-		
TOTAL		\$2,320,000		\$528.093	\$14,500,000		\$4,533,350	\$5,220,000		\$2.077.200	\$35,660,000)	\$18.938.157	\$127,685,000		\$39,203,469		\$166.888.469

SCHEDULE OF DEBT SERVICE REQUIREMENTS TO MATURITY BUSINESS TYPE ACTIVITIES - REVENUE BONDS AUGUST 1, 2023

LIVINGSTON REGIONAL WATER SUPPLY SYSTEM

WALKER-CALLOWAY BRANCHES

FISCAL	L SERIES 2021 REF*			SERIES 2023 REF			TOTAL			TOTAL			SERIES 2018				SERIES 2022				
YEAR	Р	rincipal		Interest	F	Principal		Interest	Principal		Interest	RE	QUIREMENTS		Principal		Interest		Principal		Interest
2024	\$	110,000	\$	36,657	\$	580,000	\$	715,993	\$ 690,000	\$	752,650	\$	1,442,650	\$	250,000	\$	266,250	\$	120,000	\$	156,950
2025		115,000		34,293		655,000		640,500	770,000		674,793		1,444,793		265,000		253,375		125,000		150,825
2026		120,000		31,820		690,000		607,750	810,000		639,570		1,449,570		275,000		239,875		130,000		144,450
2027		125,000		29,240		720,000		573,250	845,000		602,490		1,447,490		290,000		225,750		140,000		137,700
2028		125,000		26,552		750,000		537,250	875,000		563,802		1,438,802		305,000		210,875		145,000		130,575
2029		130,000		23,865		795,000		499,750	925,000		523,615		1,448,615		320,000		195,250		150,000		123,200
2030		135,000		21,070		835,000		460,000	970,000		481,070		1,451,070		340,000		178,750		160,000		115,450
2031		135,000		18,168		875,000		418,250	1,010,000		436,418		1,446,418		355,000		161,375		165,000		107,325
2032		140,000		15,265		915,000		374,500	1,055,000		389,765		1,444,765		375,000		143,125		180,000		98,700
2033		140,000		12,255		965,000		328,750	1,105,000		341,005		1,446,005		390,000		124,000		185,000		89,575
2034		140,000		9,245		1,015,000		280,500	1,155,000		289,745		1,444,745		410,000		104,000		195,000		80,075
2035		145,000		6,235		1,065,000		229,750	1,210,000		235,985		1,445,985		435,000		82,875		205,000		71,100
2036		145,000		3,118		1,120,000		176,500	1,265,000		179,618		1,444,618		455,000		60,625		210,000		62,800
2037						1,175,000		120,500	1,175,000		120,500		1,295,500		480,000		37,250		220,000		54,200
2038						1,235,000		61,750	1,235,000		61,750		1,296,750		505,000		12,625		230,000		45,200
2039																			240,000		35,800
2040																			250,000		26,000
2041																			255,000		15,900
2042																			270,000		5,400
2043																					
TOTAL	•	1,705,000		\$267,783	\$	13,390,000		\$6,024,993	\$15,095,000		\$6,292,776		\$21,387,776		\$5,450,000		\$2,296,000		\$3,575,000		\$1,651,225

^{*} This is a direct placement revenue bond.

SCHEDULE OF DEBT SERVICE REQUIREMENTS TO MATURITY BUSINESS TYPE ACTIVITIES - REVENUE BONDS AUGUST 1, 2023

WALKER-CALLOWAY BRANCHES

(continued)

NORTHEAST LAKEVIEW WASTEWATER TRANSPORTATION PROJECT

DENTON CREEK WASTEWATER
INTERCEPTOR SYSTEM - GRAHAM
BRANCH

FISCAL	TOTAL		TOTAL			SERIES 2	2017	REF*		TOTAL	SERIES 2021			REF*	TOTAL		
YEAR	Principal		Interest	REQ	UIREMENTS		Principal		Interest	RE	QUIREMENTS		Principal		Interest	RE	QUIREMENTS
2024	\$ 370,00	0 \$	423,200	\$	793,200	\$	1,015,000	\$	78,950	\$	1,093,950	\$	250,000	\$	30,348	\$	280,348
2025	390,00	0	404,200		794,200		1,035,000		57,834		1,092,834		255,000		26,324		281,324
2026	405,00	0	384,325		789,325		1,060,000		36,256		1,096,256		260,000		22,218		282,218
2027	430,00	0	363,450		793,450		1,230,000		12,669		1,242,669		270,000		18,032		288,032
2028	450,00	0	341,450		791,450								275,000		13,685		288,685
2029	470,00	0	318,450		788,450								285,000		9,258		294,258
2030	500,00	0	294,200		794,200								290,000		4,669		294,669
2031	520,00	0	268,700		788,700												
2032	555,00	0	241,825		796,825												
2033	575,00	0	213,575		788,575												
2034	605,00	0	184,075		789,075												
2035	640,00	0	153,975		793,975												
2036	665,00	0	123,425		788,425												
2037	700,00	0	91,450		791,450												
2038	735,00	0	57,825		792,825												
2039	240,00	0	35,800		275,800												
2040	250,00	0	26,000		276,000												
2041	255,00	0	15,900		270,900												
2042	270,00	0	5,400		275,400												
2043																	
TOTAL	\$9,025,0	00	\$3,947,225		\$12,972,225	_	\$4,340,000		\$185,709		\$4,525,709		\$1,885,000		\$124,534		\$2,009,534

^{*} This is a direct placement revenue bond.

SCHEDULE OF DEBT SERVICE REQUIREMENTS TO MATURITY BUSINESS TYPE ACTIVITIES - REVENUE BONDS AUGUST 1, 2023

TOTAL REVENUE BONDS

					1
FISCAL	ТОТ	ΆL			TOTAL
YEAR	Principal		Interest	REC	QUIREMENTS
2024	106,495,000	\$	66,378,896	\$	172,873,896
2025	114,090,000		61,692,811		175,782,811
2026	119,570,000		56,694,323		176,264,323
2027	125,610,000		51,492,407		177,102,407
2028	124,220,000		45,836,966		170,056,966
2029	109,540,000		40,394,715		149,934,715
2030	115,330,000		35,329,239		150,659,239
2031	120,555,000		30,209,712		150,764,712
2032	122,660,000		25,206,550		147,866,550
2033	76,100,000		20,610,047		96,710,047
2034	70,090,000		17,301,505		87,391,505
2035	66,505,000		14,246,667		80,751,667
2036	69,020,000		11,276,530		80,296,530
2037	69,420,000		8,356,472		77,776,472
2038	56,165,000		5,504,460		61,669,460
2039	34,005,000		3,498,897		37,503,897
2040	25,015,000		2,376,215		27,391,215
2041	21,650,000		1,469,756		23,119,756
2042	20,750,000		670,490		21,420,490
2043	5,000		150		5,150
TOTAL	1,566,795,000		\$498,546,808	\$	2,065,341,808

OTHER SUPPLEMENTARY INFORMATION SCHEDULE OF DEBT SERVICE REQUIREMENTS TO MATURITY BUSINESS TYPE ACTIVITIES - CONTRACTS PAYABLE AUGUST 1, 2023

TARRANT COUNTY

LIVINGSTON-WALLISVILLE

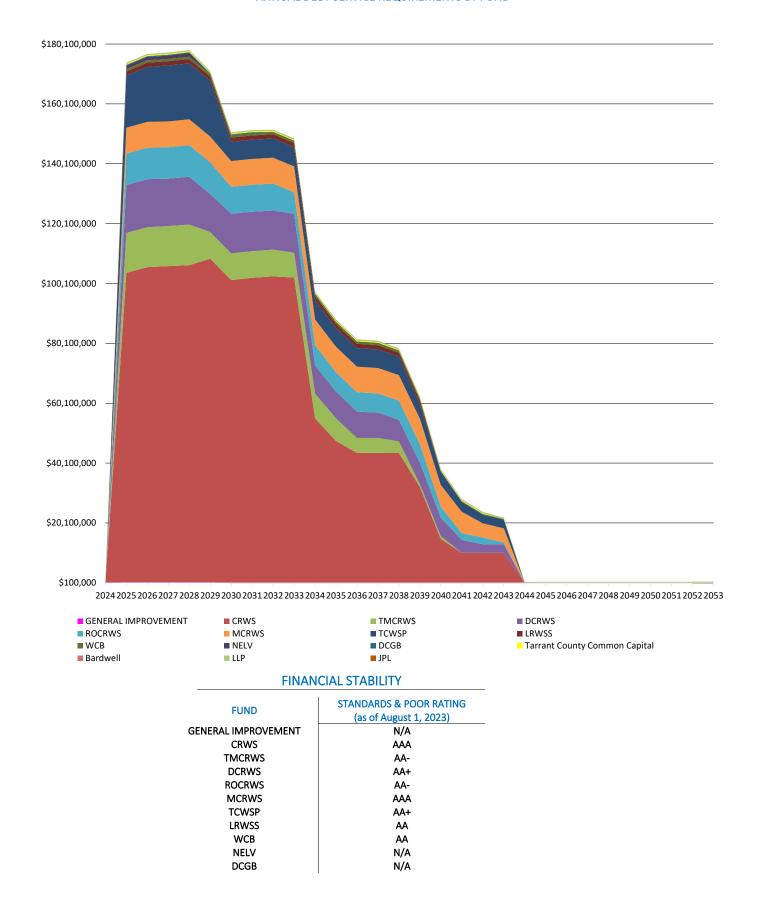
FISCAL		COMMON	CAPITA	AL	TOTAL			WATER	STO	RAGE	FINANCING	CC	ONTRA	СТ	то	TAL			TOTAL
YEAR	ı	Principal	Inte	erest	REQUIREMEN	TS		Principal		Interest	Principal		Intere	st	Principal		Interest	RE	QUIREMENTS
2024	\$	218,455	\$	54,854	\$ 273	,309	\$	160,412	\$	254,930	\$ 2,625	\$		275	\$ 163,037	\$	255,205	\$	418,242
2025		218,455		51,807	270	,262		165,581		249,761	2,747			153	168,328		249,914		418,242
2026		218,455		48,759	267	,214		170,916		244,426	1,425			26	172,341		244,452		416,793
2027		218,455		45,712	264	,167		176,423		238,919					176,423		238,919		415,342
2028		218,455		42,664	261	,119		182,107		233,235					182,107		233,235		415,342
2029		218,455		39,617	258	,072		187,974		227,369					187,974		227,369		415,343
2030		218,455		36,569	255	,024		194,031		221,311					194,031		221,311		415,342
2031		218,455		33,522	251	,977		200,283		215,059					200,283		215,059		415,342
2032		218,455		30,475	248	,930		206,736		208,606					206,736		208,606		415,342
2033		218,455		27,427	245	,882		213,397		201,945					213,397		201,945		415,342
2034		218,455		24,380	242	,835		220,273		195,070					220,273		195,070		415,343
2035		218,455		21,332	239	,787		227,370		187,972					227,370		187,972		415,342
2036		218,455		18,285	236	,740		234,696		180,646					234,696		180,646		415,342
2037		218,455		15,237	233	,692		242,259		173,084					242,259		173,084		415,343
2038		218,455		12,190	230	,645		250,063		165,279					250,063		165,279		415,342
2039		218,455		9,142	227	,597		258,120		157,222					258,120		157,222		415,342
2040		218,455		6,095	224	,550		266,437		148,905					266,437		148,905		415,342
2041		218,455		3,047	221	,502		275,021		140,321					275,021		140,321		415,342
2042								283,882		131,460					283,882		131,460		415,342
2043								293,029		122,313					293,029		122,313		415,342
2044								302,472		112,871					302,472		112,871		415,343
2045								312,216		103,126					312,216		103,126		415,342
2046								322,276		93,066					322,276		93,066		415,342
2047								332,659		82,683					332,659		82,683		415,342
2048								343,378		71,964					343,378		71,964		415,342
2049								354,441		60,901					354,441		60,901		415,342
2050								365,861		49,481					365,861		49,481		415,342
2051								377,650		37,692					377,650		37,692		415,342
2052								389,818		25,525					389,818		25,525		415,343
2053								402,381		12,965					402,381		12,965		415,346
TOTAL	\$	3,932,190	\$ 5	521,114	\$ 4,453	,304	\$	7,912,162	\$	4,548,107	\$ 6,797	\$		454	\$ 7,918,959	\$	4,548,561	\$	12,467,520

OTHER SUPPLEMENTARY INFORMATION SCHEDULE OF DEBT SERVICE REQUIREMENTS TO MATURITY BUSINESS TYPE ACTIVITIES - CONTRACTS PAYABLE AUGUST 1, 2023

BARDWELL JOE POOL LAKE TOTAL CONTRACTS PAYABLE

FISCAL	R	REPAIR & MAINTENANCE TOTAL			F	REPAIR & M.	AIN	ITENANCE		TOTAL		TO	TOTAL		TOTAL			
YEAR		Principal		Interest	REQL	JIREMENTS		Principal		Interest	RE	QUIREMENTS		Principal		Interest	REQ	UIREMENTS
2024	\$	22,614	\$	8,289	¢	30,903	\$	5,761	¢	6,649	¢	12,410	\$	409,867	¢	324,997	•	734,864
2024	φ	23,010	Ψ	7,893	φ	30,903	φ	6,111	φ	6,299	Ψ	12,410	φ	415,904	φ	315,913	φ	734,804
2026		23,412		7,490		30,902		6,482		5,927		12,409		420,690		306,628		727,318
2027		23,822		7,490		30,903		6,877		5,533		12,410		425,577		297,245		722,822
2028		24,239		6,664		30,903		7,295		5,115		12,410		432,096		287,678		719,774
2029		24,663		6,239		30,902		7,738		4,671		12,409		438,830		277,896		716,726
2030		25,095		5,808		30,903		8,209		4,200		12,409		445,790		267,888		713,678
2031		25,534		5,369		30,903		8,708		3,701		12,409		452,980		257,651		710,631
2032		25,981		4,922		30,903		9,238		3,172		12,410		460,410		247,175		707,585
2033		26,435		4,467		30,902		9,799		2,610		12,409		468,086		236,449		704,535
2034		26,898		4,005		30,903		10,395		2,014		12,409		476,021		225,469		701,490
2035		27,369		3,534		30,903		11,028		1,382		12,410		484,222		214,220		698,442
2036		27,848		3,055		30,903		11,698		711		12,409		492,697		202,697		695,394
2037		28,335		2,568		30,903		,000				,		489,049		190,889		679,938
2038		28,831		2,072		30,903								497,349		179,541		676,890
2039		29,335		1,567		30,902								505,910		167,931		673,841
2040		29,849		1,054		30,903								514,741		156,054		670,795
2041		30,371		531		30,902								523,847		143,899		667,746
2042		/ -				,								283,882		131,460		415,342
2043														293,029		122,313		415,342
2044														302,472		112,871		415,343
2045														312,216		103,126		415,342
2046														322,276		93,066		415,342
2047														332,659		82,683		415,342
2048														343,378		71,964		415,342
2049														354,441		60,901		415,342
2050														365,861		49,481		415,342
2051														377,650		37,692		415,342
2052														389,818		25,525		415,343
2053	_													402,381		12,965		415,346
TOTAL	\$	473,641	\$	82,608	\$	556,249	\$	109,339	\$	51,984	\$	161,323	\$	12,434,129	\$	5,204,267	\$	17,638,396

TRINITY RIVER AUTHORITY OF TEXAS ANNUAL DEBT SERVICE REQUIREMENTS BY FUND





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GLOSSARY OF TERMS AND ACRONYMS

A		
A	Accrual	Revenue recognized in the period in which it is earned and realized, not necessarily when the cash is actually received.
	Acre-foot (AF)	Volume of water needed to cover one acre to a depth of one foot. One acre foot = 325,851 gallons.
	Arc Flash	The light and heat produced when a flashover of electric current leaves its intended path and travels through the air from one conductor to another, or to the ground. The results can include an electrical explosion or discharge.
В	Audit	Independent examination of financial information of any entity, whether profit oriented or not, irrespective of its size or legal form when such an examination is conducted with a view to express an opinion thereon.
D	Biochemical Oxygen Demand (BOD)	The quantity of oxygen used in the biochemical oxidation of organic matter in a specified time, at a specific temperature, and under specific conditions; the BOD analysis is a standard test used in assessing wastewater strength.
	Biosolids	The nutrient-rich organic materials resulting from the treatment of domestic sewage in a wastewater treatment facility. This organic material (sludge) that has been treated to reduce pathogens, organics, and odors, forms a reusable agricultural product.
	Bond	A bond is a written promise to pay a specified sum of money (principal) at a specified future date (maturity date), as well as periodic interest paid at a specified percentage of the principal (interest rate).
	Budget	A financial plan that consists of proposed expenditures for a fiscal year and proposed revenues for the same period required to provide services. The plan contains rate and fee resolutions for various anticipated revenue sources that finance the projected expenses of various funds.
C	Capacity	The ability of available water/wastewater utility resources to meet the quantity, quality, and peak loads of the various customers served.
	Capital Improvement Plan (CIP)	A long-range plan of the Authority for construction, rehabilitation and improvement of infrastructure and facilities.
	Capital Outlay	The purchase of an individual item(s) which cost more than \$5,000, such as land, buildings, vehicle equipment, office equipment, machinery, or other equipment, and with an estimated useful life greater than one year.
	CCTV Unit	Closed circuit television unit utilized for inspection of the internal condition of water and sewer pipe systems.
	Collection System	A system of underground conduits/sewers collecting wastewater from a source and conveying it to the treatment facility.
	Cost per 1,000 gallons	Calculation of costs for treatment for a year based upon yearly revenue needed to fund the system or project. Cost per 1,000 gallons = System/Project Total Revenue Requirement divided by (# of days in the fiscal year *1,000*customer projected fiscal

year flows).

Requirement divided by (# of days in the fiscal year *1,000*customer projected fiscal

C

CRP Acronym for Clean Rivers Program.

CRWS Acronym for Central Regional Wastewater System.

CSG Acronym for Collection System Group.

D

DCRWS Acronym for Denton Creek Regional Wastewater System.

Debt An obligation resulting from the borrowing of money or from the purchase of goods and

services. Debt includes bonds and accounts payable.

Debt Service The payment of principal and interest on debt.

DSF Acronym for Debt Service Fund.

Depreciation Represents the estimated reduction in value of a fixed assets within a fiscal year.

Dewatering Water removal or concentration of solids by filtration, centrifugation, or drying.

E

Effluent The out flows, in the context of water and wastewater treatment, is the treated flow that

leaves the treatment facility and is either re-used or enters the environment. End

product of the wastewater treatment process.

Enterprise Fund Enterprise funds are used to report the same functions presented as business-type

activities.

Enterprise Resource Planning (ERP) Refers to a type of software that organizations use to manage day-to-day business

activities such as accounting, procurement, project management, risk management and

compliance, and supply chain operations.

Environmental Protection Agency (EPA) The federal government agency responsible for promulgation and enforcement of

environmental regulations and investigation and prosecution of infractions of non-

compliance.

ERCOT The Electric Reliability Council of Texas (ERCOT) manages the flow of electric power to

more than 26 million Texas customers--representing about 90 percent of the state's electric load. As the independent system operator for the region, ERCOT schedules power on an electric grid that connects more than 52,700 miles of transmission lines and 1,100 generation units, including Private Use Networks. It performs financial settlement for the competitive wholesale bulk-power market and administers retail switching for 8 million premises in competitive choice areas. ERCOT is a membership-based 501(c)(4) nonprofit corporation, governed by a board of directors and subject to oversight by the Public Utility Commission of Texas and the Texas Legislature. Its members include consumers, cooperatives, generators, power marketers, retail electric providers, investor-owned electric utilities, transmission and distribution providers and municipally owned

electric utilities.

E

ETEC East Texas Electric Cooperative (ETEC), founded in 1987, is a private, independent

electric cooperative owned by its members, seven distribution cooperatives and one

generation and transmission cooperative.

Expenditures A decrease in net financial resources, actual payment for goods and services received.

F

FASB The Financial Accounting Standards Board is a private standard-setting body whose

primary purpose is to establish and improve Generally Accepted Accounting Principles

within the United States in the public's interest.

Fiscal Year (FY)

A 12-month period to which the annual operating budget applies and at the end of which

an entity determines its financial position and the results of its operations. The

Authority's fiscal year begins December 1st and ends November 30th.

Flood Infrastructure Fund Special

Revenue Fund (FIF)

This fund accounts for the activities of the Authority's Flood Infrastructure Fund, which is charged with conducting a regional flood planning study of the Trinity River mid-basin watersheds and developing hydraulic modeling under grant funding from the Texas

Water Development Board (TWDB).

Flow The measured amount of water or wastewater flowing by a particular point over some specified time. Flow is frequently expressed in millions of gallons per day (MGD).

specified time. Thow is frequently expressed in millions of gallons per day (MOD).

FTE Acronym for full-time equivalent, a measurement of staffing. One FTE is a 40-hour week

position that is eligible for full benefits.

Full Accrual Full accrual accounting recognizes the financial effect of events that impact and entity

during the accounting period, regardless of whether cash was received or spent.

Fund An accounting entity with a set of self-balancing accounts for recording the financial

resources and transactions of specific activities for an organization.

Fund Balance The cumulative difference of all revenues and all expenditures of the fund from the time

the Authority or fund was established. Fund balance is also considered to be the difference between fund assets and fund liabilities and is sometimes referred to as "fund

equity" at any given point in time.

G

GASB The Governmental Accounting Standards Board (GASB), established in 1984, is the

independent, private-sector organization, that establishes accounting and financial reporting standards for U.S. state and local governments that follow Generally Accepted

Accounting Principles (GAAP).

GF Acronym for General Fund.

GFOA The Government Finance Officers Association (GFOA), founded in 1906, is a

membership organization that represents public finance officials throughout the United States and Canada. The association's more than 20,000 members are federal, state/provincial, and local finance officials involved in planning, financing, and implementing thousands of governmental operations in each of their jurisdictions.

G

GIS Acronym for Geographic Information Systems - a computerized mapping system that

captures, stores, analyzes, manages and presents data that is linked to a location.

Governmental Fund The Authority's governmental funds have functions that are supported by

intergovernmental revenues.

Н

HSRF Acronym for Hydroelectric Special Revenue Fund.

HRWSS Acronym for Huntsville Regional Water Supply System.

1

Infiltration/Inflow Infiltration is groundwater that leaks into the sewerage system through pipe joints and

defects. Inflow refers to water than enters sewers from improperly connected catch

basins, sump pumps, and defective manholes.

Influent Wastewater or other liquid flowing into a reservoir, basin or treatment plant.

Infrastructure Physical means for meeting water and wastewater needs, such as dams, wells,

conveyance systems and water or wastewater treatment plants.

Interceptor Large pipes that receive wastewater from collection systems and transport it to

wastewater treatment plants.

ITSS Acronym for Information Technology Services Support.

,

JPL Acronym for Joe Pool Lake.

K

Lift Station (LS)

Station (LS)

A facility designed and equipped to move sewage material or wastewater from a lower level to a higher elevation. A lift station may employ submersible pumps or other

mechanical devices to deliver the wastewater and discharges into a pressure pipe called

a force main.

LLP Acronym for Lake Livingston-Wallisville Project.

LRF Acronym for Livingston Recreation Fund.

LRWSS Acronym for Livingston Regional Water Supply System.

M

MCRWS Acronym for Mountain Creek Regional Wastewater System.

Meter An instrument of measuring the flow of water/wastewater.

MGD Acronym for million gallons per day. Used in measuring volume of water and wastewater

flow.

Modified Accrual Modified accrual accounting is a combination of cash basis and full accrual basis where

revenues are recognized when they are both measurable and available and expense are

recorded when they are incurred.

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National Association of Clean Water Agencies (NACWA) A national organization, involved in all facets of water quality protection, represents the collective interest of America's clean water utilities, and is the leading advocate for responsible national policies that advance clean water.

National Pollutant Discharge Elimination System (NPDES)

A permit issued by the EPA that governs effluent discharges into various rivers and waterways.

NELV

Acronym for Northeast Lakeview Transportation Project.

NR

Acronym for Northern Region.

NTU

O&M

Acronym for nephelometric turbidity units which is the measure of light shining through water to record turbidity.

0

Acronym for Operations & Maintenance - relates to the Authority's day to day operational expenses, not funded by bond funds.

D

PDCA Acronym for Planning, Design and Construction Administration.

Peak Flow

The maximum momentary quantity placed on a water/wastewater plant and/or pumping

station.

Performance Measure

Performance measures quantify effectiveness of a goal or initiative to meet a specific objective. Good performance measures are quantifiable, have a specific target, indicate when a target has been reached, and measure the degree to which the goal has been met.

Per- and Polyfluoroalkyl Substances (PFAS) are a group of manufactured chemicals that have been used in industry and consumer products since the 1940s because of their useful properties. One common characteristic of concern of PFAS is that many break down very slowly and can build up in people, animals, and the environment over time.

рΗ

PFAS

The quantitative measure of the acidity or basicity of aqueous or other liquid solutions.

Potable Water

Water that is safe for human consumption.

Proprietary Fund

A proprietary fund is used in governmental accounting to account for business-type activities, such as activities supported, at least in part, by fees or charges. The Authority maintains two different types of proprietary funds, enterprise funds and internal service funds. The Authority uses enterprise funds to account for its wastewater treatment operations, fresh water treatment operations, raw water supply, reservoir operations, public recreation facilities and financing projects. Internal service funds are an accounting device used to accumulate and recover costs internally among the Authority's various functions. The Authority uses internal service funds to account for its information technology support services; planning, design and construction administration; administrative support services; technical services and basin planning; collection system services; medical and other insurance programs.

P

Pump Station A facility designed and equipped to deliver water from one place to another to a higher

elevation. The pump station can include pumps, motors, mother control centers, instrumentation and controls, piping, valves and other equipment used to move the

water.

Q

R

Raw Water Water obtained from natural resources such as reservoirs.

Reclaimed Water Water that has received at least secondary treatment and basic disinfection and is

reused after flowing out of a domestic wastewater treatment facility.

Refunding Bonds Bonds issued to retire existing outstanding bonds.

Reservoir A structure or impoundment for physically storing raw water.

Reuse The deliberate application of reclaimed water for a beneficial purpose.

Revenue Bonds Water and sewer revenue bonds are issued to finance the construction and

improvement of sanitation or water utility facilities. Revenues to meet debt service are derived from various rates and fees. Repayment is based upon a stated interest rate

and schedule principal and interest payments.

Right of Way (ROW)

The legal right of passage over another person's property.

ROCRWS Acronym for Red Oak Creek Regional Wastewater System.

S

SCADA Acronym for Supervisory Control and Data Acquisition – The hardware and software

system that collects real time data from sensors at remote locations and send the data to centralized computer where operating personnel can control equipment or conditions.

Sludge Solid, semi-solid or liquid by-product of wastewater treatment.

SOP Acronym for Standard Operating Procedures.

SR Acronym for Southern Region.

SRSS Acronym for Southern Region Support Services.

T

TCEQ Acronym for Texas Commission on Environmental Quality.

TCRWSS Acronym for Trinity County Regional Water Supply System.

TCWSP Acronym for Tarrant County Water Supply Project.

TMCRWS Acronym for Ten Mile Creek Regional Wastewater System.

T

TRA Acronym for Trinity River Authority of Texas.

Treated Water Raw water that has passed the purification process.

TRWD Acronym for Tarrant Regional Water District.

TSBP Acronym for Technical Services and Basin Planning.

TSS Total suspended solids, a water quality measurement.

Turbidity A condition in water caused by the presence of suspended matter which results in the

scattering and absorption of light.

TWDB Acronym for Texas Water Development Board.

U

U.S. Army Corps of Engineers (USACE) The mission of the U.S. Army Corps of Engineers is to deliver vital public and military

engineering services; partnering in peace and war to strengthen our nation's security,

energize the economy and reduce risks from disasters.

Ultraviolet (UV) disinfection system A UV disinfection system transfers electromagnetic energy to wastewater for the

inactivation/destruction of pathogenic organisms to prevent the spread of waterborne

diseases to downstream users and the environment.

V

Wastewater

The waterborne discharge from residences, commercial buildings, industrial plants and

institutions.

Water Conservation Reducing the demand for water through activities that alter water use practices, e.g.,

improving efficiency in water use, and reducing losses of water from leaks.

Water Quality The chemical, physical and biological characteristics depending on its characteristics

and the requirements for the particular use, of water with respect to its suitability for a particular purpose. The same water, may be of good quality for one purpose or use, and

bad for another.

Water Resources Development Act The 2020 Act developed by the US House Committee on Transportation and

Infrastructure includes key provisions to invest in the nation's ports, harbors and inland waterways; build more resilient communities; ensure that the U.S. Army Corp of Engineers carries out projects in an economically and environmentally responsible

manner.

Water Rights A legally protected right, granted by law, to take possession of water occurring in a water

supply and to guide the water and put it to beneficial use.

Watershed Area from which water drains to the nearest stream, or lake, eventually to the ocean.

Also referred to as a drainage basin.

WCB Acronym for Walker Calloway Branches.

W Well

A vertical drilled hole into an underground formation, usually to obtain a source of water, to monitor ground water quality or to determine the position of the water table.

Acronym for Water Sales Special Revenue Fund.

X

Z

Y Yield

The average annual rate of return on an investment if it is held to maturity.

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Trinity River Authority of Texas

Enriching the Trinity basin as a resource for Texans