



NORTH  
TEXAS  
MUNICIPAL  
WATER  
DISTRICT

## 2021-2022 ANNUAL BUDGET



WATER  
SERVICES



WASTEWATER  
SERVICES



SOLID WASTE  
SERVICES



Leonard Water  
Treatment Plant



Wylie Water  
Operations Center



Sister Grove Regional Water  
Resource Recovery Facility

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# INTRODUCTION

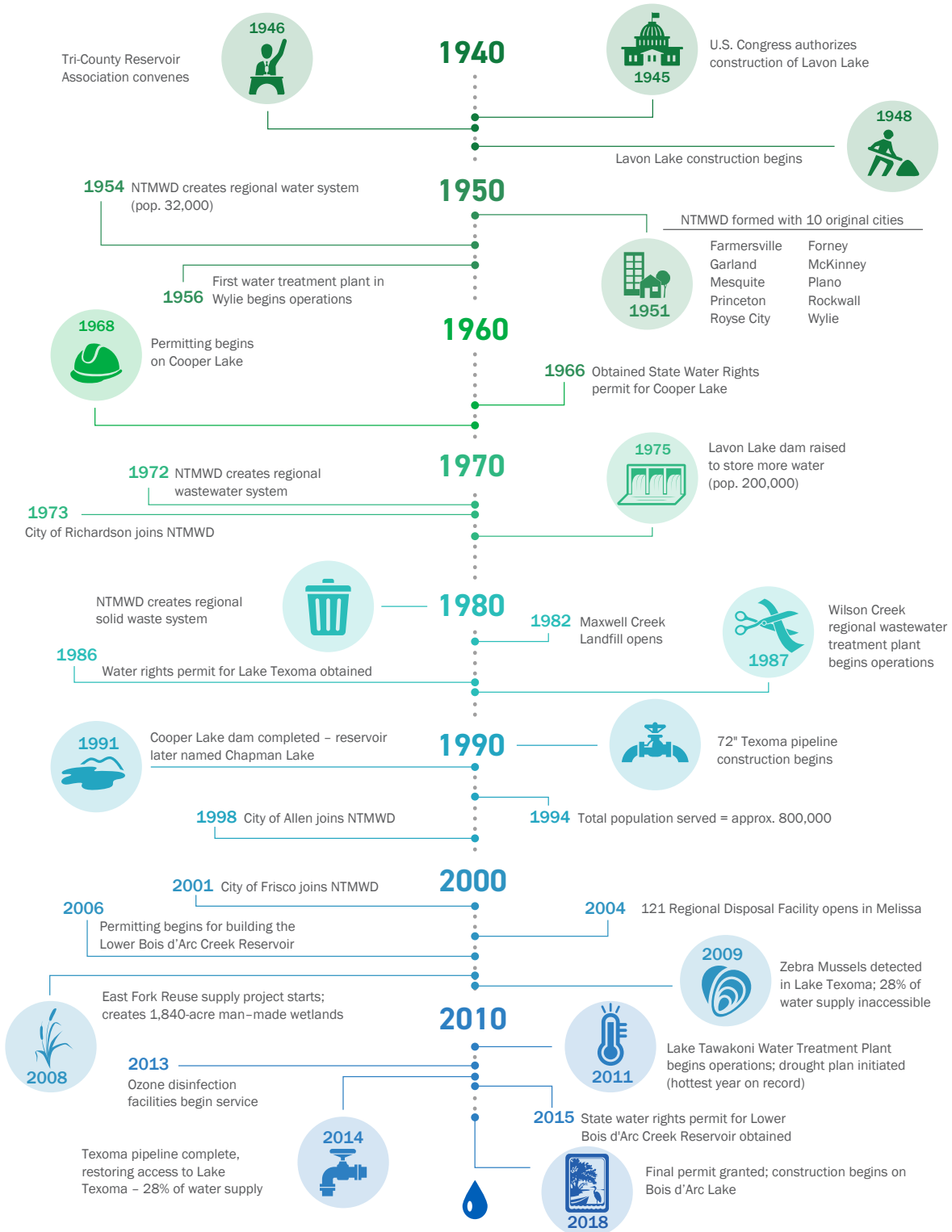


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# LEGACY OF SERVICE

Meeting Our Region's Needs Today and Tomorrow



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*Regional. Reliable. Everyday.*

September 23, 2021

Board of Directors  
North Texas Municipal Water District  
P.O. Box 2408  
Wylie, Texas 75098

RE: FY22 ALL SYSTEMS BUDGET

Dear Directors:

Submitted herewith is the proposed FY22 Annual All Systems Budget for the North Texas Municipal Water District. This budget document has been prepared by the Finance Staff, as submitted by the System Managers, and has been reviewed and approved by the Executive Director.

During FY21, and after years of discussion, the Member Cities and the District agreed to settle the ongoing Public Utility Commission of Texas's (PUCT) review of the District's Water Rate for 2018-2020. All thirteen Member Cities and the District coming together to agree on our path forward was a tremendous achievement. The settlement included a payment to the Member Cities of \$6.6M to facilitate resolution of the disputes related to the PUCT proceedings and also set forth a requirement and guidelines for an independent review, which will occur every 3 years. The independent review will focus on reasonableness of the Regional Water System O&M expenses as well as reserve balances, assigned shared costs, and adherence to the amended water contract and other areas. As part of the settlement, the Member Cities and the District amended the existing Regional Water System contract. The amended water contract established a new allocation method that gradually adjusts the annual contract water minimums, for each Member City, to more closely align with actual water usage. The amended water contract also established guidelines for distributing excess water charges and/or surplus budgeted funds to the Member Cities. Customers of the Regional Water System will have the option to opt into the new contract if they choose to do so. All changes to the Water Contract, settlement payment and the funding for the independent review are reflected in this budget document. Contract modifications have been incorporated into the budget process and we are in alignment with the updated contract terms.

FY21 posed some unique budgeting challenges. In addition to the ongoing COVID-19 pandemic, the State of Texas endured a record breaking winter storm in February 2021 which brought bitterly cold temperatures and wreaked havoc on the State's electric grid. The issues with the electric grid created pricing dislocation in the electric power market and caused the District to incur abnormally large power bills. In order to offset some of the costs and limit impacts, to Member Cities and Customers, some operating systems utilized maintenance reserves and a select few borrowed funds from the Regional Water System Contingency Fund. This impact will be felt for several years as reserves are replenished and borrowed funds are repaid. The winter storm revealed some additional needs for backup power generation that will be addressed with upcoming projects. FY21 also brought larger than expected price increases to chemicals and higher inflation expectations, both of which are increasing costs in FY22. Other major increases

Regional Service Through Unity...Meeting Our Region's Needs Today and Tomorrow

to the FY22 budget include the addition of 22 positions, electric power, insurance revaluations, short term capital outlay for vehicle and equipment purchases and additional debt service to fund approximately \$520 million of capital projects District-wide.

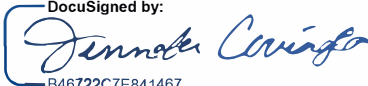
Despite these challenges the District remains in a sound financial condition. The Board's goal of meeting the contractual obligation of the participating cities within state and federal laws while protecting the environment continues to be accomplished with reasonable cost in all systems.

The budget, as submitted, provides the required funding for operation and maintenance expenses, capital expenditures and debt service, and allows the District to continue delivering essential services throughout its service area.

### **RECOMMENDATION**

The FY22 Annual All Systems Budget, as proposed, of \$589,669,345, provides a responsible plan for the financial operations and development of the North Texas Municipal Water District. The Executive Director and Staff recommend approval, of the FY21 Amended and FY22 Proposed Budget, to the Board of Directors at the September 23, 2021 regular Board Meeting. Should you have any questions or need additional information, please do not hesitate to contact my office or Erik Felthous, Assistant Deputy - Finance.

Respectfully Submitted,

DocuSigned by:  
  
B46722C7E841467...  
**JENNAFER P. COVINGTON**  
Executive Director



GOVERNMENT FINANCE OFFICERS ASSOCIATION

*Distinguished  
Budget Presentation  
Award*

PRESENTED TO

**North Texas Municipal Water District  
Texas**

For the Fiscal Year Beginning

**October 01, 2020**

**Executive Director**

The Government Finance Officers Association of the United States and Canada (GFOA) presented a Distinguished Budget Presentation Award to the **North Texas Municipal Water District** for its annual budget for fiscal year beginning October 1, 2020. This is the second consecutive year that the District has received this prestigious award. In order to receive this award, a governmental unit must publish a budget document that meets program criteria as a policy document, as an operations guide, as a financial plan and as a communications device.

This award is valid for a period of one year only. We believe our current budget continues to conform to program requirements, and we are submitting it to GFOA to determine its eligibility for another award.



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## Who We Serve

The North Texas Municipal Water District (NTMWD or the District) serves one of the fastest growing regions in the country by providing essential services to 1.8 million people in over 80 communities. The District's service area spans over 2,200 square miles across 10 counties in North Texas and is located within the greater Dallas-Fort Worth Metroplex Region (Metroplex). The District's service area is assumed to closely mirror the overall Metroplex in demographic and economic trends.

## Population and Composition

Since the 2010 census, the population for the counties in the Metroplex grew by approximately 19% and the growth is expected to continue. White (not Hispanic) makes up the largest population by race at 45% for the Metroplex while Hispanic makes up the second largest population by race at nearly 29%. Black (not Hispanic) (16%) and Other (9%) account for the remainder of the population by race.

The median age, according to a recent Census analysis for the Metroplex, is on par with the state at 35.2 years.

## Education

The Metroplex's high school graduation rate is around 87%, which is on par with the state. Nearly 37% of adults aged 25 and older have a Bachelor's degree, which is ahead of both the state and national average.

## Jobs and Wages

In recent years, the Metroplex made up nearly 30% of the state's total employment. Employment in the area grew by 18.6% over the last 10 years adding over 550,000 jobs. Prior to the COVID-19 pandemic, the unemployment rate was at historical lows around 3%. Due to fallout from the pandemic and related business closings, the unemployment rate spiked to 12.8% in April 2020, but has since trended down and was at 6% as of June 2021.

The average wage for the area is roughly \$59,677, just edging out the average wage for the state and the nation. Wages, adjusted for inflation, have increased 3% during the last 10 years which is a little less than the wage growth at the state and national levels during the same period.

Only about 33% of the Metroplex households have incomes less than \$50,000 compared to about 39% for the State of Texas. This indicates that the area includes more household wealth than the state average.

## Industries

The Metroplex includes many industries covering a variety of businesses from telecommunications, financial, insurance, auto, defense, government, retail, data processing, education and healthcare. Some of the largest employers in the area include American Airlines, Lockheed Martin Aeronautics, Toyota, Liberty Mutual, Southwest Airlines, Texas Instruments, Raytheon, JCPenney, Alcon Laboratories, AT&T, Inc., and Bank of America. This does not include the school districts or the city and county governments in the service area.

# THE FABRIC OF NORTH TEXAS

The District's 10 original Member Cities – Farmersville, Forney, Garland, McKinney, Mesquite, Princeton, Plano, Rockwall, Royse City and Wylie – came together in 1951 with a common need for water. Richardson, Allen and Frisco joined later. The diversity of these cities makes

up the fabric of North Texas. From national centers of business and commerce, to areas with thriving art, food and music scenes, the personality of each city shines through and makes our region a great place for millions to live and work.

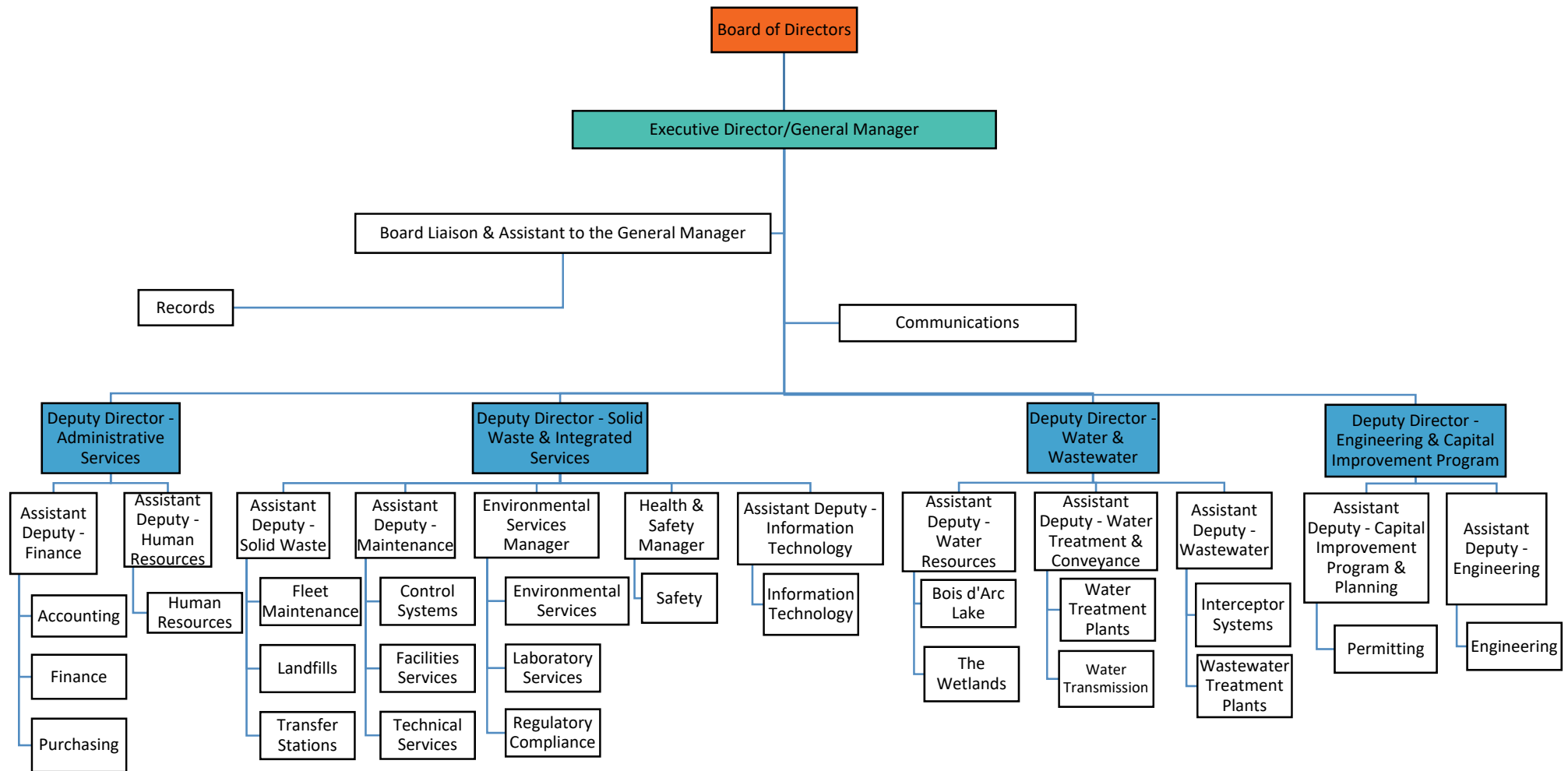




# NTMWD SERVICE AREA AND MEMBER CITIES

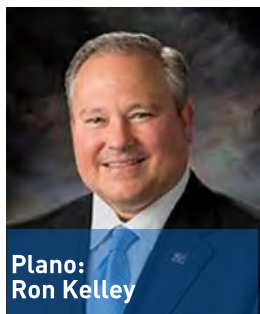
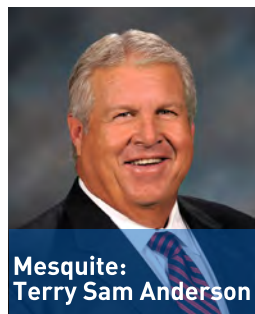
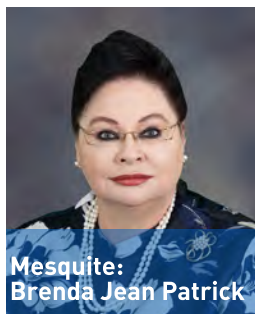
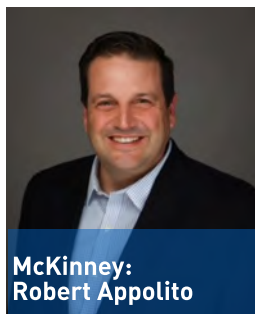
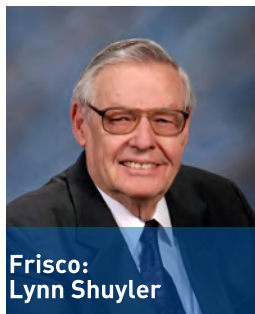
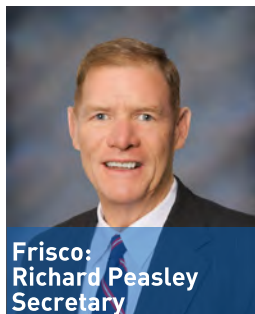
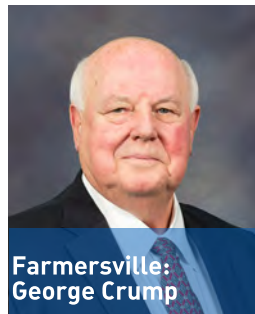
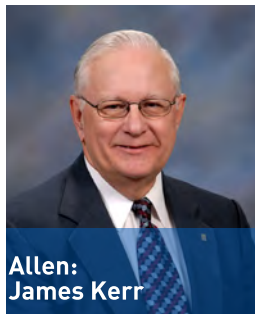
*Regional. Reliable. Everyday.*



ORGANIZATIONAL CHART



## North Texas Municipal Water District Board of Directors



**Listing of Key Staff**

Executive Director / General Manager	Jennafer Covington
Deputy Director - Administrative Services	Vacant
Assistant Deputy – Finance	Erik Felthous
Assistant Deputy – Human Resources	Vacant
Deputy Director Solid Waste & Integrated Services	Jeff Mayfield
Assistant Deputy - Information Technology	Jim Shirley
Assistant Deputy - Maintenance	Dave Patton
Assistant Deputy - Solid Waste	Mike Friesen
Environmental Services Manager	Brooke Noack
Health & Safety Manager	David Milligan
Deputy Director - Water & Wastewater	Billy George
Assistant Deputy – Water Resources	Galen Roberts
Assistant Deputy – Water Treatment & Conveyance	Vacant
Assistant Deputy – Wastewater	Vacant
Deputy Director - Engineering & Capital Improvement Program (CIP)	Cesar Baptista
Assistant Deputy – CIP & Planning	R.J. Muraski
Assistant Deputy – Engineering	Mark Simon
Director of Communications	Vacant

## Strategic Plan

The District's Strategic Plan provides direction for the decisions of the Board of Directors, executive leadership and management over the coming five years to effectively address the issues challenging the District.

The District developed its first strategic plan in 2015, by setting a long-range vision, establishing a focused Vision, Mission and Priorities as well as articulating a set of core values summarized by the acronym I TRUST (Integrity, Trust, Respect, Unity, Safety, Teamwork). A year later, the Board adopted a revised strategic plan that included the following five goals:

- Goal 1: Provide superior water, wastewater and solid waste services today.
- Goal 2: Secure the future for water, wastewater and solid waste supplies and services.
- Goal 3: Maintain strong relationships with member cities, customers and partners.
- Goal 4: Maintain our infrastructure to provide reliable service today and tomorrow.
- Goal 5: Take care of our people.

In 2019, the District's leadership determined that an update and extension of the strategic plan for the coming five-year period was a high-priority need. The District engaged a third party consultant to support the design and facilitation of an intensive, collaborative strategic planning process.

The consultant enabled open discussion of the District's current strengths and weaknesses, opportunities and threats and then forged an agreement around the highest order priorities that need to be addressed over the next five or more years. These priorities established a foundation for defining more specific action steps, budgets and performance measures for the District's staff. The District's executive leadership and the Board confirmed the continued accuracy and validity of the previously developed and adopted statements of vision, mission and values as critical elements in the strategic plan.

Through an extensive process that included multiple one-on-one meetings and collaborative sessions with the Board and executive leadership team, consensus was built around consolidating operational goals and adding a goal related to stewardship. As a result the five previous goals became the following:

- Goal 1: **Service** – Provide superior water, wastewater and solid waste services today and tomorrow.
- Goal 2: **Stewardship** – Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency.
- Goal 3: **Partnership** – Actively collaborate with members, customers, partners, employees and stakeholders.
- Goal 4: **People** – Build a talented, competent and committed team.

The strategic goals reflect the District's durable priorities around which critical policy decisions can be evaluated and important organizational and operational activities can be prioritized and managed. Each goal is followed by three to six supporting objectives which are in turn followed by a set of specific initiatives. The strategic objectives and initiatives establish the specific projects, programs or actions needed to achieve each goal.

In October 2019, the Board adopted the resolution approving the updated 2019-2024 Strategic Plan. District management has begun to build action items that correspond with the initiatives to execute the objectives for the goals of the strategic plan. The District management details how the departments' work functions and yearly spending support to the strategic goals in departmental summaries within this budget document. On a semi-annual basis, District staff will update the Board on the progress of the Strategic Plan. Annually, staff will update objectives and initiatives as execution of the strategic plan dictates.

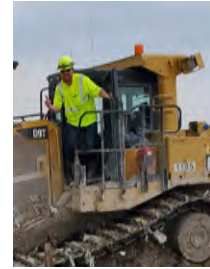
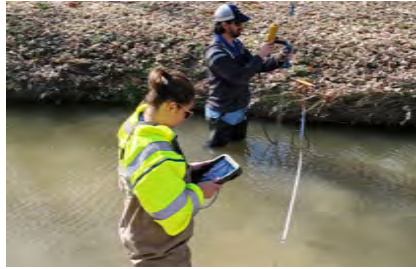
**The detailed creation and implementation process document of the District's 2019 - 2024 Strategic Plan is available at: <https://www.ntmwd.com/documents/2019-2024-strategic-plan-full/>**

## 2019-2024 Strategic Plan

### VISION:



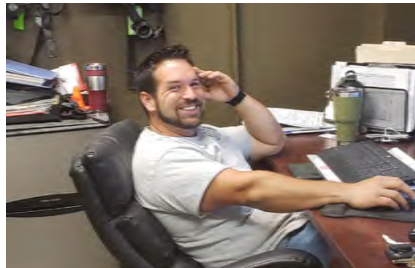
**REGIONAL SERVICE THROUGH UNITY:  
MEETING OUR REGION'S NEEDS TODAY AND TOMORROW**



### MISSION:



**TO PROVIDE HIGH-QUALITY AND DEPENDABLE WATER, WASTEWATER  
AND SOLID WASTE SERVICES IN A COST-EFFICIENT MANNER**



### GOALS:

#### Service

Provide superior water, wastewater and solid waste services today and tomorrow.

#### Stewardship

Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency.

#### Partnership

Actively work with members, customers, partners, employees and stakeholders.

#### People

Build a talented, competent and committed team.

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Goals	Objectives	Initiatives
<b>Goal 1: Service</b> Provide superior water, wastewater and solid waste services today and tomorrow	<u><b>Objective 1.1</b></u> High Quality Services	1.1.1 - Apply proven technologies and processes to improve water quality. 1.1.2 - Enhance system reliability and efficiency 1.1.3 - Meet or surpass regulatory requirements 1.1.4 - Fully implement and leverage the SCADA system
	<u><b>Objective 1.2</b></u> Successful Bois d'Arc Lake Program	1.2.1 - Construct and open Bois d'Arc Lake 1.2.2 - Develop and implement a shoreline management plan 1.2.3 - Construct and operate the Leonard Water Treatment Plant
	<u><b>Objective 1.3</b></u> Proactive Maintenance Management	1.3.1 - Establish and resource the Regional Maintenance Facilities 1.3.2 - Optimize fleet maintenance operations 1.3.3 - Execute CMOM plan 1.3.4 - Evaluate and implement outsourced maintenance options as warranted 1.3.5 - Fully implement preventive maintenance programs for plants, facilities, equipment and fleet.
	<u><b>Objective 1.4</b></u> Reliable and Resilient System Capacity	1.4.1 - Identify and pursue next major water source 1.4.2 - Identify opportunities to diversify water supply and treatment capabilities 1.4.3 - Optimize the functional capacity of existing facilities. 1.4.4 - Complete construction of new facilities within project timeline to meet growth demands
<b>Goal 2: Stewardship</b> Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency	<u><b>Objective 2.1</b></u> Disciplined Asset Management	2.1.1 - Implement the five-year asset management roadmap and resource the plan 2.1.2 - Enhance linear asset management systems and practices 2.1.3 - Right-size maintenance staff to become a preventative/predictive organization and to meet infrastructure growth
	<u><b>Objective 2.2</b></u> Efficient Business Practices	2.2.1 - Establish a District-wide standardization process for materials and specifications 2.2.2 - Adopt and implement advanced data analytics technology to support management decision making. 2.2.3 - Identify and execute efficiencies in systems, processes and staffing throughout the District 2.2.4 - Improve coordination between Engineering and Operations staff in the design process to ensure serviceability
	<u><b>Objective 2.3</b></u> Conscientious Environmental Stewardship	2.3.1 - Update the District's water conservation plan 2.3.2 - Develop and implement a renewable energy master plan 2.3.3 - Develop and implement watershed protection plans for District reservoirs 2.3.4 - Implement the Lavon Lake watershed protection plan 2.3.5 - Explore opportunities for regionalization of wastewater services
	<u><b>Objective 2.4</b></u> Rigorous Financial Management	2.4.1 - Build a disciplined and transparent budget process 2.4.2 - Strengthen supply chain management 2.4.3 - Improve the accuracy of long-range cost of service forecasts. 2.4.4 - Secure necessary staffing and resources to accomplish the District Strategic Plan
	<u><b>Objective 2.5</b></u> Systematic Risk Management	2.5.1 - Develop emergency management plans and response plans for all facilities 2.5.2 - Identify critical emergency management roles and train for assignments 2.5.3 - Improve and maintain cyber security posture to avoid, detect and isolate cyber threats
	<u><b>Objective 2.6</b></u> Resolution to Contract Issues	2.6.1 - Establish and execute new Member City Water contracts 2.6.2 - Develop and execute uniform Customer Water contracts 2.6.3 - Explore options or more financially efficient Wastewater plans



Goals	Objectives	Initiatives
<b><u>Goal 3: Partnership</u></b> Actively work with members, customers, partners, employees and stakeholders	<b><u>Objective 3.1</u></b> Well-Informed & Educated Public	3.1.1 - Develop a strategic external communications plan 3.1.2 - Increase public awareness of the role, services, resources and value of the NTMWD 3.1.3 - Take an active role in regional wastewater education initiatives 3.1.4 - Expand public education programs to Fannin County
	<b><u>Objective 3.2</u></b> Engaged Members, Customers and Stakeholders	3.2.1 - Continue to work with member and customer cities on an ongoing basis through partnering meetings and other opportunities with staff 3.2.2 - Define the future service area 3.2.3 - Foster respect and sensitivity to neighboring properties and communities surrounding our facilities
	<b><u>Objective 3.3</u></b> Durable Strategic Partnerships	3.3.1 - Formalize and resource an internal governmental relations program 3.3.2 - Collaborate with peer utilities, industry, academia and other agencies to improve District services 3.3.3 - Support strategic growth of JBS Wetland Center 3.3.4 - Provide information to assist the Board of Directors in communicating with cities
	<b><u>Objective 3.4</u></b> Effective Organizational Communication	3.4.1 - Develop an internal strategic communications plan 3.4.2 - Strengthen Human Resources outreach to all District employees 3.4.3 - Expand connectivity to all facilities throughout the District
<b><u>Goal 4: People</u></b> Build a talented, competent and committed team	<b><u>Objective 4.1</u></b> Highly Skilled Workforce	4.1.1 - Attract and retain a highly qualified workforce through enhanced recruitment and competitive compensation 4.1.2 - Establish and implement a comprehensive employee training/development program. 4.1.3 - Create and implement a District-wide succession plan 4.1.4 - Develop seasonal employment and internship opportunities
	<b><u>Objective 4.2</u></b> Safe and Healthy Employees	4.2.1 – Build and enhance a comprehensive, standards-based workplace safety program 4.2.2 - Develop, promote and maintain a safety training program for all levels of the workforce 4.2.3 - Promote wellness to encourage a healthy and productive workforce
	<b><u>Objective 4.3</u></b> Performance-Driven Culture	4.3.1 - Develop a robust employee recognition program. 4.3.2 - Evaluate the District's career progress and grade structure 4.3.3 – Advance our evaluation process as a coaching tool 4.3.4 – Provide adequate work spaces and facilities for District employees.

Bois d'Arc Lake - Notch Closure



# BUDGET OVERVIEW



## NTMWD History and Major Systems

The 52nd Texas Legislature created the North Texas Municipal Water District in 1951 as a water conservation and reclamation district. Under the State of Texas Constitution and Statutes, the District provides essential services to the North Texas Region in the areas of Water, Wastewater and Solid Waste.

A Board of Directors governs the District. Each Member City having a population of 5,000 or more is represented by two members on the Board of Directors and any Member City with a population of less than 5,000 is represented by one member. The governing bodies of the respective Member Cities appoint members to the Board of Directors for two-year terms. The Board of Directors appoints a General Manager (Executive Director) who is responsible for the District's operations. The District has four divisions under the Executive Director: Administrative Services, Engineering & CIP, Solid Waste & Integrated Services and Water & Wastewater. A Deputy Director leads each division.

### Regional Water System (RWS)

The District is a wholesale water service provider to approximately 1.8 million residents in 80 communities across 10 North Texas counties. The District treats and delivers clean water for municipal, domestic and industrial use. The District began with ten Member Cities (Members): Farmersville, Forney, Garland, McKinney, Mesquite, Princeton, Plano, Rockwall, Royse City and Wylie and has since added Richardson (1973), Allen (1998) and Frisco (2001). Since its inception, the District has experienced substantial growth and added a second customer class referred to as "Customer." In addition to the 13 Member Cities, the District provides services to 34 Customer cities, towns, special utility districts and water supply corporations.

The District owns and operates six water treatment plants, over 605 miles of water transmission pipelines, fourteen pump stations and has water rights in five lakes to meet the service area's existing water needs. As the region grows, there is a need to develop additional capacity and new water sources. As such, there are several major projects underway to expand and improve the four primary water treatment plants as well as establishing new water sources, such as Bois d'Arc Lake, which is the first new reservoir to be constructed in Texas in 30 Years. The Leonard Water Treatment Plant is being built to process the water from the Bois d'Arc Lake.

### Regional Wastewater System (RWWS), Upper East Fork Interceptor System (UEFIS) and Sewer System (SS)

In 1972, in response to requests from the cities, the District expanded its services to include wastewater collection and treatment. Consolidating smaller, municipal wastewater plants into a regional system reduced costs for participating cities and streamlined operations. The District provides wastewater services for different types of customer categories: RWWS Members (Cities of Allen, Forney, Frisco, Heath, Melissa, Mesquite, McKinney, Plano, Princeton, Prosper, Richardson, Rockwall and Seagoville), RWWS Customers, UEFIS Members (Cities of Allen, Frisco, Melissa, McKinney, Plano, Princeton, Prosper and Richardson), UEFIS Customers and Sewer System participants. Today the District provides wholesale wastewater services to approximately 1 million residents in 24 communities.

The District's wastewater system consists of over 226 miles of large-diameter wastewater pipelines, 25 lift stations and 13 wastewater treatment plants. The District treats the majority of the wastewater flows at four Regional Wastewater Treatment Plants (RWWTP). Wastewater conveyance (Interceptor) systems transport wastewater flows to the treatment plants. The UEFIS is the largest regional wastewater conveyance system and it transports wastewater from the Cities of Allen, Frisco, Melissa, McKinney, Plano, Princeton, Prosper and Richardson to the Regional Wastewater Treatment Plants (RWWTPs).

The Sewer System consists of six Water Transmission Facilities (WTF), eleven non-regional Wastewater Treatment Plants (WWTP), nine non-regional Interceptor Facilities and a Wastewater Pretreatment Program. The District has Special Facility Contracts with cities for each of the Sewer System facilities.

### Regional Solid Waste System (RSWS)

In 1979, due to city requests, the District expanded its services to include solid waste disposal. The District provides solid waste disposal services for five RSWS Members and residents of Collin County and the surrounding areas. The five Member Cities (Allen, Frisco, McKinney, Plano and Richardson) collect and deliver municipal solid waste to one of three transfer stations. From the transfer stations, District staff transport the waste to the regional landfill. Contractors may also drop off waste directly at the landfill upon paying the posted gate rate. Member City residents can drop off certain types of waste at any one of the Citizen Convenience Centers located in the transfer stations and the landfill.

## Shared Services Fund

The Shared Services Fund is an internal service fund for the departments that provide administrative and support functions for the Regional Water, Regional Wastewater, Upper East Fork Interceptor, Sewer and Regional Solid Waste Systems, collectively known as the Operating Systems. The Shared Services Fund expenses are allocated to the Operating Systems using both direct and indirect methods.

The Shared Service Fund departments are as follows:

- Accounting
- Communications
- Control Systems
- Engineering
- Environmental Services
- Facilities Services
- Finance
- General
- Human Resources
- Information Technology
- Laboratory
- Permitting
- Purchasing
- Records
- Regulatory Compliance
- Safety
- Technical Services

## NTMWD Methodology Changes

In the past few years, NTMWD implemented changes in budget methodologies in order to present a more accurate and transparent budget for its Member Cities, Customers and the public. Below are the recent significant changes.

### Adjusting the budget for trends in water usage - Implemented FY19

In a Special Board Meeting on August 17, 2018, NTMWD's Board approved a change in the budget methodology beginning in FY19. This new methodology adjusted the budget by taking into account recent trends in water use and refined execution of the District's large capital program. This methodology is now the standard practice.

Historically, the District budgeted to provide 100% of the contractual minimums to meet the growth across the entire region. While growth in the region continues, conservation and lower demands have resulted in actual use less than the amount of contractual minimums in recent years. This presented the District with the opportunity to begin budgeting on recent trends of actual use which helped to lower the water rate. This method is currently based on budgeting to 93% of contractual minimums for variable costs (Power, Chemicals & Water Purchases). The District monitors usage and can adjust as needed if the actual usage begins exceeding 93% consistently.

### Budgeting for an Internal Shared Services Fund - Implemented FY20

Historically, the District budgeted General Management, Finance, Maintenance and many other supporting departments within the Regional Water System Annual Operating Budget. Prior to FY20, the District employed an in-house cost allocation methodology that identified and distributed costs to the District's other Operating Systems during the annual budget process.

During FY19, The District contracted with a third party consultant to study this indirect cost allocation methodology with the following goals:

- Attain a clearer understanding of the cost related to individual District department activities
- Identify costs for interdepartmental or interfund transfers
- Identify areas for possible organizational optimization
- Examine benefits of maintaining activity data to periodically update indirect cost allocations

The study used a variety of metrics to properly allocate costs including interviews with department heads, department specific metrics, work orders, historical budget and actual details, capital improvement projects and budgeted position and payroll data. The results of the study determined that some costs should be shifted away from the RWS to the other Operating Systems. Beginning with the FY20 Budget, the District implemented this new indirect allocation methodology and reorganized the chart of accounts to transfer the supporting departments into a new Shared Services Fund. In order to minimize spikes in costs, for the non-RWS Operating Systems, the change in allocation is being phased in over a 5 year period.

Below shows the total all Systems Budget including Shared Services. The Shared Services costs are budgeted in it's own fund and also included as a Services cost of the Operating Systems. The allocation transfers are in effect netted out of the total revenues and expenses to arrive at a true overall cost.

## Revenues

	2019-20	2020-21	2020-21	2021-22
Fund / System	Actuals	Original Budget	Amended Budget	Proposed Budget
RWS	\$ 353,838,522	\$ 367,370,410	\$ 371,693,705	\$ 368,972,505
RWWS	73,690,439	80,523,835	86,010,380	88,100,745
UEFIS	37,911,473	39,961,760	41,550,000	43,722,855
SS	39,148,504	45,822,320	46,340,245	49,650,785
RSWS	36,621,708	38,444,515	38,650,675	38,677,405
Shared Services	61,308,309	62,391,270	62,324,100	65,477,850
<b>Total</b>	<b>\$ 602,518,955</b>	<b>\$ 634,514,110</b>	<b>\$ 646,569,105</b>	<b>\$ 654,602,145</b>
Allocation Transfers	(61,308,309)	(62,391,270)	(62,324,100)	(65,477,850)
<b>Net Revenue Budget</b>	<b>\$ 541,210,646</b>	<b>\$ 572,122,840</b>	<b>\$ 584,245,005</b>	<b>\$ 589,124,295</b>

## Expenses

	2019-20	2020-21	2020-21	2021-22
Fund / System	Actuals	Original Budget	Amended Budget	Proposed Budget
RWS	\$ 340,473,339	\$ 365,403,610	\$ 378,244,175	\$ 369,517,555
RWWS	73,690,439	80,523,835	86,010,380	88,100,745
UEFIS	37,911,473	39,961,760	41,550,000	43,722,855
SS	39,148,504	45,822,320	46,340,245	49,650,785
RSWS	36,621,708	38,444,515	38,650,675	38,677,405
Shared Services	59,358,204	62,391,270	62,257,955	67,142,230
<b>Total</b>	<b>\$ 587,203,667</b>	<b>\$ 632,547,310</b>	<b>\$ 653,053,430</b>	<b>\$ 656,811,575</b>
Allocation Transfers	(59,358,204)	(62,391,270)	(62,257,955)	(67,142,230)
<b>Net Expense Budget</b>	<b>\$ 527,845,463</b>	<b>\$ 570,156,040</b>	<b>\$ 590,795,475</b>	<b>\$ 589,669,345</b>

## Amended Regional Water Contract - Implemented FY21

Under the original water supply contract signed in 1953 and amended in 1988, each Member City agreed to pay its share of the RWS costs based on its highest historic annual water demand. This methodology helped provide guaranteed and necessary funding of the fixed water infrastructure operations and financing costs for the RWS.

After years of discussion, Member Cities and the District came to an agreement to amend the contract for the RWS. The contract establishes a new allocation method that gradually adjusts the annual minimums (contractual funding commitments) over the next eight years to more closely align the basis for a member city's portion of the overall system costs with the historical actual consumption of each city. Then, starting in 2029, the contractual allocation method will transition to a combination of the newly established annual minimums and actual water used. Beginning in 2033, the annual minimum for each city will be based on a five-year rolling average of actual consumption. The effects of the new contract structure will affect each city's retail customer rates differently because retail customer rates are set by the cities themselves. The District will begin discussions with Customers and offer the option to revise contracts to reflect the new Member City structure.

## Wastewater Administration Allocation - Implemented FY22

The District contracted with a third party consultant to study and help allocate costs of the centralized wastewater administration function to various wastewater systems. Interviews were conducted with key staff to understand job functions and determine how to distribute the related costs. Staff used the results of the study and applied the resulting percentages to Personnel and O&M costs of the wastewater administration group to appropriately allocate the costs throughout the wastewater systems.

## Budget Calendar

Date	Event
January 2021	Budget Kickoff Meeting and Training
February 5, 2021	Managers complete personnel request workflow
February 2021	Senior Executive Team review of personnel requests
March 1, 2021	Senior Executive Team personnel requests finalized
April 1, 2021	Deadline for submitting FY22 budget requests, supplemental forms, departmental executive summaries and vehicle request forms
April 1, 2021	Operations provide estimated flow projections for FY21 Amended and FY22 Budget
April 14, 2021	Present personnel requests to Finance and Personnel Committee
April 21, 2021	Present personnel requests to Operations Committee
April 30, 2021	Senior Executive Team review and approval of FY21 Amended and FY22 Proposed O&M Budget and Executive Summaries
May 17 – 31, 2021	Department budget briefings, if requested
June 2021	Executive Review
June 9, 2021	Finance Committee O&M Budget briefing
June 23, 2021	Operations Committee O&M Budget briefing
July 14, 2021	Finance Committee Capital Budget briefing
July 20, 2021	Board Budget Workshop for FY21 Adopted and FY21 Amended Budget review, Preliminary Budget briefing of FY22 Proposed O&M Budget
July 21, 2021	Operations Committee Capital Budget briefing
August 11, 2021	Finance Committee Annual Budget briefing for FY21 Amended Budget and FY22 Proposed Budget
August 26, 2021	Board briefing of FY21 Amended Budget, FY22 Proposed Budget and Rebates
September 8, 2021	Finance Committee approval of FY21 Amended Budget and FY22 Proposed Budget
September 23, 2021	Final Board approval of FY21 Amended Budget, FY22 Proposed Budget and Rebates

## Budget Process

The Annual Budget serves as the basis for the District's financial planning and control. Each year the Annual Budget process includes amending the Budget for the current fiscal year (Amended Budget) as well as preparing the Budget for the following fiscal year (Proposed Budget). The Annual Budget outlines the District's plans to continue to provide high quality, cost-effective service to Member Cities and Customers. The District services one of the fastest growing regions in the country and great effort is spent planning for the future needs of the region. This growth is considered when developing the Annual Budget. Each year the District contracts with a third party consultant to update cost projections that ensure appropriate rates are set for Member Cities and Customers. The cost projections are 10 year forecasts based on the current adopted budget and appropriate cost escalations. The cost projections also take into account future planned debt issuances and additional O&M from future facilities.

The budget process begins with annual budget guidance and budget targets set by the Finance Department with buy-in from Executive Management. Budget requests exceeding the targets are required to have supplemental detail explaining the need as well as assigning a priority to 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, budget target spreadsheets and a budget calendar, to District Management. The Finance Department then conducts kick-off meetings and provides budget training to ensure managers understand the budget process and to ensure adherence to the budget calendar.



Departments submit personnel request, reclassification and vehicle request forms to Finance. Human Resources, IT and Fleet staff review the requests for accuracy. The Finance Department projects salaries and benefit costs for budgeted staffing for the Amended and Proposed Budgets. The Senior Executive Team reviews and finalizes the personnel requests.



Departments submit all budget requests and supplemental forms into the budget software. The Finance Department analyzes departmental budget requests and compares with the cost projections to formulate the Preliminary Proposed Budget. Operations staff provides estimated water use and wastewater flow projections to update the Amended and Proposed Budget's allocation of charges. The Finance Department compiles the data received from all departments and creates a Preliminary Amended and Proposed Budget.



A Board Workshop is held to review the Preliminary Budgets and departmental briefings are presented, if requested. Departments incorporate feedback into their Preliminary Budget requests and the Finance Department updates the Budget.



On the capital side, Engineering staff modifies project costs to include cost escalation and contingency amounts. Engineering and Finance evaluate dates and determine funding needs for the next fiscal year. Finance compiles a Budget (CIP) report for the five major systems: Regional Water, Regional Wastewater, Sewer System, Upper East Fork Interceptor System and Solid Waste. The Senior Executive Team reviews and makes recommendations for the Preliminary Capital Budget.



The Preliminary Budgets are presented, for review, to the Executive Team and Board Committees in three phases: Personnel, Operations & Maintenance and Capital. Finance mails Preliminary Budget charges and rates for the next fiscal year to all Member Cities and Customers at the end of June and July.



In August, the Finance Committee holds an Annual Budget Briefing for the Amended and Proposed Budgets. During the monthly meeting, the Board of Directors are presented the budgets. In September, after final review and recommendation by the Finance Committee, the Board adopts the Amended Budget and Proposed Budget as well as rates and charges for the upcoming fiscal year. Finance finalizes and distributes the budget document. The Proposed Budget is the Adopted Budget for the District. Finance also mails final charge letters and billing schedules to all Member Cities and Customers.

After adoption of the Budgets, Finance staff regularly meets with all departments to review budget to actual variances and to facilitate Budget adjustments.

## Financial Procedures and Policies

### Basis of Accounting and Budgeting

The District is a non-appropriated, political subdivision of the state of Texas with no District funds subject to appropriations from the state. The operations of the District are accounted for as enterprise funds on an accrual basis in order to recognize the flow of economic resources. Under this basis, revenues are recognized in the period in which they are earned, expenses are recognized in the period in which they are incurred and all assets and liabilities associated with the operation of the District are included in the Statement of Net Position. The assets of the District are stated at cost with the exception of certain investments, which are stated at fair value. The District also uses an accrual basis for budgeting. Revenues and Expenses are accrued to the budgeting period in which they were earned or incurred, respectively.

### Budget Procedures

The District shall adopt an All Systems Budget annually that reflects all available financial resources, either on hand at the beginning of the year or to be generated during the year, that equals or exceeds the total of all financial requirements, including reserve requirements. The budget will provide funding for adequate and necessary maintenance of capital assets and equipment and for their orderly replacement.

The Finance Department will review, on a regular basis, reports comparing actual revenues and expenditures to budgeted amounts. If during the review any expense account is deemed to exceed the budget, the Finance Department will coordinate with the department/plant/system, where the overage is occurring, and process a budget adjustment to move funds from one account to another to clear the overage. In the event the budget adjustment would cause an overall increase to the system it will need to be taken to the Board for approval. This is considered the legal level of control for the District's budget.

### Financial Reporting Procedures

The District 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.

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

### Capital Expenditure Procedures

The District will review and update Capital Improvement Projects to ensure they are relevant to the current Strategic Plan. The District will identify estimated costs and funding sources for each project. The District will identify the impact on annual operating costs resulting from capital projects so that they are fully captured in the cost projection models. Assets capitalized have an original cost of \$5,000 or more and two or more years of estimated useful life. Depreciation is calculated using the straight-line method.

### Debt Management Policy

The District issues debt to primarily fund major capital improvements, expansions and repairs to existing facilities for projects identified in the Capital Improvement Plan of each System. Debt is not issued to fund routine operation and maintenance expenses or for the primary purpose of investing bond proceeds. The types of debt that can be issued are long term revenue bonds in accordance with each system's bond resolution and short-term Extendable Commercial Paper (ECP) in systems authorized by the Board of Directors. The District has no legal debt limits, however debt is only issued with consent from Member Cities and the Board.

The District shall consider the current debt service payments over the life of outstanding bonds and attempt to maintain level debt service payments after issuing new bonds for each system. Debt issuance schedules shall be determined based upon anticipated funding needs and delivered in a manner that best manages the system's costs over time. Long-term debt shall be issued at a fixed rate, and the term of the debt may not exceed the expected useful life of the project being financed.

Bonds may be sold through competitive sales, negotiated sales or private placement. Debt may be issued to refund existing debt for restructuring purposes to increase debt capacity, improve debt coverage ratios in specific years or improve debt service structure. Refunding existing debt may be Taxable or Tax-Exempt, and the District shall require a minimum of 3.00% Present Value Savings to consider a refunding unless the refunding is undertaken for debt restructuring purposes. A Parameter Bond Resolution for refunding existing debt or new money projects may be recommended for approval to the Board seeking to 'pre-approve' a refunding transaction subject to certain parameters.

The District shall comply with continuing disclosure requirements under U.S. Securities and Exchange Commission (SEC) Rule 15-c2-12. The District may use a contracted party to complete continuing disclosure requirements and an arbitrage consultant shall be used to determine federal law compliance. The District shall provide an annual report of outstanding debt obligations in accordance with Texas House Bill No. 1378 and provide a link to debt information on the NTMWD website. The current annual report, including bond ratings, can be found under the Outstanding Debt Obligations using the following link <https://www.ntmwd.com/finances/>

## Emergency Expenditures

The Emergency Expenditures policy outlines how the District 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 District to the municipalities with which it contracts; or cause deterioration to facilities that could result in failure of the system. The Executive Director 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:

- **Executive Director - Less Than \$25,000** - The Executive Director may expend up to \$25,000 for necessary repairs or replacements. At the next regular Board of Directors meeting, the Executive Director will detail in memorandum the emergency, the planned action and cost and request that the Board amend the planned budget.
- **Executive Committee - \$25,000 to \$100,000** - When the emergency repair or replacement will cost between \$25,000 and \$100,000, the Executive Director will counsel with the members of the Executive Committee and proceed with the majority approval. At the next regular Board of Directors meeting, the Executive Director will detail in memorandum the emergency, the planned action and request that the Board amend the planned budget.
- **Board of Directors - More than \$100,000** - A special meeting of the Board of Directors is required to authorize an emergency expenditure that exceeds \$100,000.

## Fund Balance Policy

The Fund Balance Policy sets guidelines for the District's Fund Balances. The Policy's purpose is to ensure that the District maintains adequate Fund Balances to:

- Provide sufficient cash flow liquidity for District operations.
- Secure and maintain investment grade bond ratings.
- Minimize revenue shortfalls.
- Provide funds for unforeseen expenditures related to emergencies.
- Comply with contractual and bond covenant obligations.

Guidelines for Fund Balances as of September 30 are as follows:

- Operating Funds:
  - RWS – Minimum balance is based on 90 Days' Budgeted Operations and Maintenance Expense.
  - All Other (Break-even) Systems - \$0.
- Capital Improvement Funds - RWS - \$15,000,000.
- Reserve for Maintenance Funds, Preventive Maintenance Funds and Equipment Replacement Funds: Minimum balance based on the amount set forth in the most recent cost projections.
- Rate Stabilization Fund: RWS - Maximum of \$7,000,000.
- Reserve for Maintenance Fund (Kaufman Four-One Water Distribution Facilities): \$75,000 maximum balance as required by the October 2, 1989 Water Supply Contract.

- Construction Funds: Minimum balance based on the amount of the initial bond proceeds plus interest earnings less past project payments and less future project payments to be paid on contracts awarded by the Board of Directors.
- Interest & Sinking Funds: Minimum balance based on 1/12 of the next year's debt service payment multiplied by the number of months since the last debt service payment as required by the bond resolution.
- U.S. Government Notes Fund (RWS): Minimum balance based on 1/12 of the next year's debt service payment multiplied by the number of months since the last debt service payment.
- Debt Service Reserve Funds: Minimum balance based on the average annual debt service payments on the outstanding bonds as required by the bond resolution.
- Pipeline Reserve Funds – Chapman (RWS): \$500,000 maximum balance as required by the June 4, 1998 Irving Operations Agreement.
- Contingency Funds:
  - RWS - Minimum balance of \$20,000,000. This may be reduced below the minimum balance, in a given year, to cover the variable costs for rebate. If the balance is reduced below \$20,000,000 it will be replenished as funds become available.
  - Little Elm Water Transmission Facilities - \$50,000 maximum balance as required by the March 27, 2003 Water Transmission Facilities Contract.
  - Plano Water Transmission Facilities - \$75,000 maximum balance as required by the March 27, 1997 Water Transmission Facilities Contract.
  - Stewart Creek Wastewater Treatment Plant - \$100,000 maximum balance as required by the October 27, 2011 Wastewater Contract.
  - Muddy Creek Wastewater Treatment Plant - \$15,000 maximum balance as required by the May 27, 1999 Wastewater Contract.

## General Investment Policy

The District's General Investment Policy outlines Investment Strategy and Objectives, Responsibility and Controls and Authorized Investments. This Policy applies to all of the District's investment activities and establishes guidelines for who is authorized to invest District funds, how District funds will be invested and when and how a periodic review of investments will be made. It is the policy of the District that all available funds shall be invested in conformance with State legislation, Federal arbitrage regulations, applicable Bond Resolutions, adopted Investment Policy and adopted Investment Strategy. The District 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 (PFIA) and the standards of prudent public investing established by the GTOT. In addition, the District's financial 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

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

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

### Responsibility and Controls:

- The Executive Director or his/her designee shall be the Investment Officer of the District and will have the Authority to manage District Investments according to the Investment Policy.

- The Investment Officer will provide a signed, comprehensive investment report to the Board of Directors at the end of each quarter detailing the investments, performance, maturity, fund type and compliance with the Investment Policy.
- 3rd Party Investment Advisors shall adhere to the spirit, philosophy and specific term of this Policy and shall invest within the same "Standard of Care" as applied to the District.
- 3rd Party Investment Providers shall execute a written agreement that they have reviewed the Investment Policy and have implemented reasonable procedures and controls to preclude imprudent investment activities with the District.
- The District will maintain a list of approved brokers that are authorized to engage in investment transactions with the District.

#### **Authorized Investments**

- The Policy sets forth all authorized investments that District Funds may be invested as well as collateralization requirements.

#### **Board Review**

- The Board shall review and approve the Investment Policy on an annual basis.

### **System Break-Even Policy**

The District's revenues are derived from charges to Member Cities and Customers, primarily for the sale and treatment of water and wastewater. Member Cities and Customers generally contract to pay amounts equal to the District's operating and maintenance expenses, debt service requirements and any other obligations payable from the revenues of the District. In the RWWWS, Sewer, RWS and UEFIS, the charges for services are adjusted accordingly at the end of each year to a break-even basis. In the RWS, variable costs related to water utilized below the annual minimums are rebated to the Member Cities. Any RWS excess or shortage of revenue is transferred to or from the RWS Operating Fund, Rate Stabilization or Contingency Fund Balance.

### **Water Rebate Procedures**

The Water Rebate Procedures sets a framework for the Board of Directors to consider the rebate of monies paid by Member Cities and Customers when the annual demands for water did not require the District to meet or exceed its annual system volume requirement. Approved refunds will be in the amount equal to the estimated variable cost savings that resulted because of decreased demands.

The required procedures are as follows:

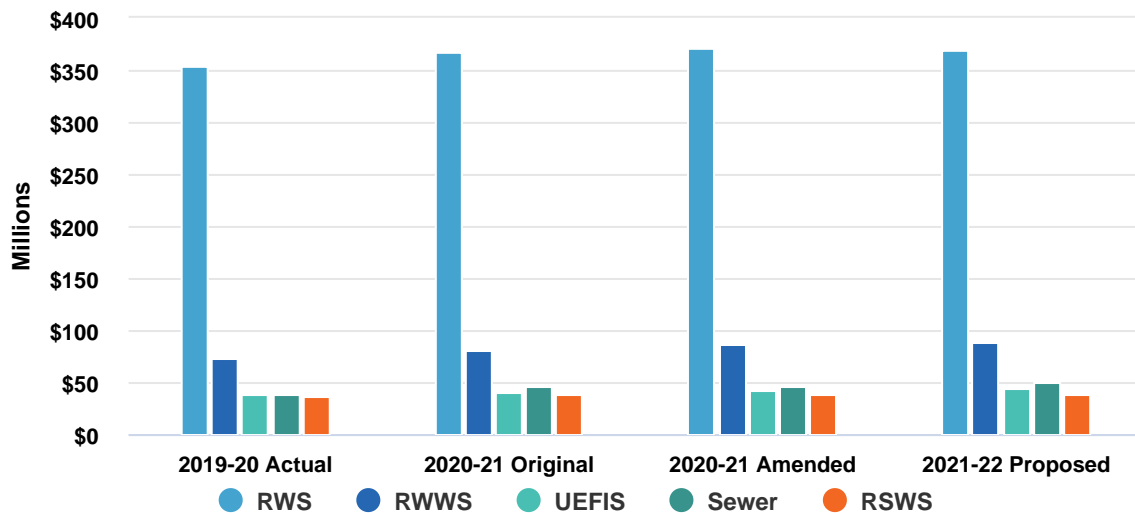
- The rebate is calculated using a formula based upon the estimated per unit reduction in expenditure for variable cost incurred by the District, determined annually by the Board of Directors.
- To be eligible for a rebate, the Member Cities or Customers should have had water demands supplied at volume less than its annual minimum volume requirement established in the Budget Resolution and not currently be establishing an annual minimum volume requirement by contract negotiation.
- The volume eligible for rebate would be the difference between the annual minimum volume requirement and the actual usage during the most recently completed 12-month water year (August 1 through July 31).
- Annually, during the August Board of Directors meeting, the Executive Director will provide a list of Member Cities and Customers eligible for rebates. The Board of Directors will instruct the Executive Director to place the rebates on the September agenda for consideration or accept the report as information only.
- Should the Board of Directors elect to provide the rebates at the September Board of Directors meeting, payment should be made to the eligible Member Cities and Customers within 30 days of the Board's action.

The budget complies with the relevant financial policies and procedures. The previously discussed policies (with the exception of the General Investment Policy, Fund Balance Policy, Emergency Expenditures Policy, System Break - Even Policy, Water Rebate Procedures and Debt Management Policy) are not official Board of Directors approved policies, but are the best practices and procedures that guide the District's fiscal management. The complete Administration and Finance Policies Manual can be accessed using the following link: <https://www.ntmwd.com/documents/administration-and-finance-policies-manual/>

## Major Revenue Sources

The District generates revenues by providing wholesale water, wastewater and solid waste services to Member Cities and Customers. The budgeted system revenues are the product of the system rate and projected volumes. The system volumes are projected using actual trends or contract minimums and the proposed system rates are calculated by dividing the total projected volume by required system expenditures.

### TOTAL BUDGETED REVENUE BY SYSTEM



Budget	RWS	RWWS	UEFIS	SS	RSWS	TOTAL
2019-20 Actual	\$ 353,838,522	\$ 73,690,439	\$ 37,911,473	\$ 39,148,504	\$ 36,621,708	\$ 541,210,646
2020-21 Original	\$ 367,370,410	\$ 80,523,835	\$ 39,961,760	\$ 45,822,320	\$ 38,444,515	\$ 572,122,840
2020-21 Amended	\$ 371,693,705	\$ 86,010,380	\$ 41,550,000	\$ 46,340,245	\$ 38,650,675	\$ 584,245,005
2021-22 Proposed	\$ 368,972,505	\$ 88,100,745	\$ 43,722,855	\$ 49,650,785	\$ 38,677,405	\$ 589,124,295

## Regional Water System

The Regional Water System is the District's major source of revenue. It accounts for \$368,972,505 or 62.63% of the FY22 Annual Budget's total estimated revenue. Total treated water sales are expected to be \$365,589,418. Member Cities and Customer water sales account for the majority of the treated water sales revenue. Minimum Annual Demands are established pursuant to Member City and Customer Water Service Contracts.

Minimum Annual Demands ensure that each city pays for its proportional share of the total fixed costs and that the District has the funding required to develop, operate and maintain supply facilities to meet the potential maximum system capacity that each city may need.

Total system charges for treated water are based upon the total budgeted expenditures. For FY22 the estimated RWS expenditures total \$369,517,555. The District sets the water rate by taking total budgeted expenses minus other revenue and dividing by the contracted minimum water volumes. For FY22, the proposed water rates for Member Cities and Customers are \$2.99 and \$3.04 per 1,000 gallons respectively.

The components of the Member City Water Rate are as follows:

	2020-21	Proposed 2021-22	Change
Variable O&M Cost (Chemicals, Power, Water)	\$ 0.49	\$ 0.60	\$ 0.11
Fixed O&M Cost (Personnel, Supplies, Services, Capital Outlay)	0.70	0.73	0.03
Fixed Cost (Debt Service)	1.80	1.66	-0.14
Total Rate per 1,000	<u>\$ 2.99</u>	<u>\$ 2.99</u>	<u>\$ (0.00)</u>

The table below shows a breakdown of volumes and revenue by Member Cities and Customers.

FY22		
MEMBERS	Annual Minimum (1,000 Gallons)	Annual Billing
Allen	6,002,360	\$ 17,947,056
Farmersville	279,486	\$ 835,663
Forney	2,398,194	\$ 7,170,600
Frisco	12,194,343	\$ 36,461,086
Garland	13,674,674	\$ 40,887,275
McKinney	11,935,830	\$ 35,688,132
Mesquite	8,254,231	\$ 24,680,151
Plano	26,600,916	\$ 79,536,739
Princeton	751,294	\$ 2,246,369
Richardson	10,968,729	\$ 32,796,500
Rockwall	4,188,942	\$ 12,524,937
Royse City	659,940	\$ 1,973,221
Wylie	1,873,784	\$ 5,602,614
<b>TOTAL MEMBERS</b>	<b>99,782,723</b>	<b>\$ 298,350,342</b>
<b>CUSTOMERS</b>		
Ables Springs SUD	96,663	\$ 293,856
Bear Creek SUD	282,984	860,271
BHP WSC	153,853	467,713
Bonham*	640,000	1,913,600
Caddo Basin SUD	422,370	1,284,005
Cash SUD	321,630	977,755
College Mound SUD	78,066	237,321
Copeville SUD	134,140	407,786
East Fork SUD	592,816	1,802,161
Fairview	887,811	2,698,945
Fate	279,932	850,993
Fate - Second Delivery Point*	529,453	1,609,537
Forney Lake WSC	458,582	1,394,089
Gastonia-Scurry SUD	110,490	335,890
GTUA	903,869	2,747,762
Josephine	139,721	424,752
Kaufman	459,989	1,398,367
Kaufman Four-One	555,695	1,689,313
Little Elm	1,559,763	4,741,680
Lucas	628,590	1,910,914
Melissa	285,850	868,984



## FY22

<b>CUSTOMERS (continued)</b>	<b>Annual Minimum (1,000 Gallons)</b>	<b>Annual Billing</b>
Milligan WSC	149,894	\$ 455,678
Mt. Zion WSC	159,302	484,278
Murphy	1,538,414	4,676,779
Nevada SUD	53,260	161,910
Nevada SUD - Second Delivery Point*	70,985	215,794
North Collin SUD	346,239	1,052,567
Parker	582,746	1,771,548
Prosper*	2,354,364	7,157,267
Rose Hill SUD*	143,271	435,544
Rowlett	3,192,039	9,703,799
Sachse	1,332,153	4,049,745
Seis Lagos MUD	141,612	430,500
Sunnyvale	732,206	2,225,906
Terrell*	1,400,000	4,256,000
Wylie N.E. SUD	307,630	935,195
Wylie N.E. SUD - Second Delivery Point	95,028	288,885
<b>TOTAL CUSTOMERS</b>	<b>22,121,410</b>	<b>\$ 67,217,086</b>
Retail Customers	-	21,000
Raw Water Sales	-	990
<b>GRAND TOTAL</b>	<b>121,904,133</b>	<b>\$ 365,589,418</b>

\*Contract Annual Minimums



## Regional Wastewater System

RWWS revenue accounts for \$88,100,745 or 14.95% of the FY22 Annual Budget's total estimated revenue. Total wastewater treatment revenue is estimated at \$87,482,435, the majority of which will be received from Member Cities that share the cost of wastewater treatment based on proportional estimated flows. Wastewater treatment charges to Member Cities and Customers are based upon the budgeted expenditure requirements. For FY22, estimated expenditures totaling \$88,100,745 result in a proposed cost per 1,000-gallon rate of \$2.37 for Members and \$2.86 for Customers. The table below shows a breakdown of volumes and revenue by Member Cities and Customers.

FY22		
MEMBERS	Projected Flows (1,000 gallons)	Annual Billing
Allen	3,205,428	\$ 7,608,627
Forney	1,698,687	4,032,122
Frisco	1,941,006	4,607,307
Heath	651,898	1,547,390
McKinney	6,401,353	15,194,696
Melissa*	367,136	871,459
Mesquite	4,418,428	10,487,888
Plano	10,370,813	24,616,882
Princeton	328,289	779,250
Prosper	624,723	1,482,887
Richardson	4,161,327	9,877,615
Rockwall	1,239,609	2,942,421
Seagoville*	591,300	1,403,551
<b>TOTAL MEMBERS</b>	<b>36,000,000</b>	<b>\$ 85,452,095</b>
<b>CUSTOMERS</b>		
Anna	417,334	\$ 1,193,440
Fairview - Heritage Ranch	55,892	159,830
Fairview - Stacy Road	158,376	452,900
Lucas - Love Joy & Hunt Comm.	8,008	22,900
Parker - Lake Estates & King Crossing	69,494	198,730
Parker Southfork Ranch	890	2,540
<b>TOTAL CUSTOMERS</b>	<b>709,994</b>	<b>\$ 2,030,340</b>
<b>GRAND TOTAL</b>	<b>36,709,994</b>	<b>\$ 87,482,435</b>

\*Contract Minimums

At the end of the year, actual flows for each Member City and Customer determine the actual cost and final billing adjustments are applied accordingly to "break-even."

## Upper East Fork Interceptor System

UEFIS revenue accounts for \$43,722,855 or 7.42% of the FY22 Annual Budget's total estimated revenue. Total wastewater transportation revenue is estimated at \$43,198,250, the majority of which will be received from Member Cities that share the wastewater transportation cost based on proportional estimated flows. Wastewater transportation charges to Member Cities and Customers are based upon the budgeted expenditure requirements. For FY22, estimated expenditures totaling \$43,722,855 result in a proposed cost per 1,000-gallon rate of \$1.57 for Members Cities and \$1.90 for Customers. The table below shows a breakdown of volumes and revenue by Member Cities and Customers.

FY22		
MEMBER CITIES	Projected Flows (1,000 gallons)	Annual Billing
Allen	3,205,428	\$ 5,046,194
Frisco	1,941,006	3,055,658
McKinney	6,401,353	10,077,428
Melissa*	367,136	577,969
Plano	10,370,813	16,326,413
Princeton	328,289	516,814
Prosper*	624,723	983,480
Richardson	3,344,941	5,265,824
<b>TOTAL MEMBER CITIES</b>	<b>26,583,688</b>	<b>\$ 41,849,780</b>
<b>CUSTOMERS</b>		
Anna	417,334	\$ 792,630
Fairview - Heritage Ranch	55,892	106,150
Fairview - Commercial	158,376	300,800
Lucas - Love Joy & Hunt Comm.	8,008	15,210
Parker - Lake Estates & Kings Crossing	69,494	131,990
Parker - Southfork Ranch	890	1,690
<b>TOTAL CUSTOMERS</b>	<b>709,994</b>	<b>\$ 1,348,470</b>
<b>GRAND TOTAL</b>	<b>27,293,683</b>	<b>\$ 43,198,250</b>

\*Contract Minimums

At the end of the year, actual flows for each Member City and Customer determine the actual cost and final billing adjustments are applied accordingly to "break-even."

## Sewer System

Sewer System revenue accounts for \$49,650,785 or 8.43% of the FY22 Annual Budget's total estimated revenue. Special Facility Contract Revenue is received from participating entities for 10 WWTPs (one is non-operational), 9 interceptor facilities and 6 water transmission, distribution or storage facilities. Charges for each facility are based on current budgeted expenditures and are billed to participating entities. Sewer System wastewater treatment revenue is projected to be \$35,915,830

The table below presents the estimated unit cost for the operational Sewer System wastewater treatment plants. Factors that affect the unit cost of WWTPs include facility capacity, utilization, amount of rainfall and the effects of inflow and infiltration, type and level of treatment required by permit, construction cost (debt service), power cost and chemical requirements:

FY22		
WWTP (Participating Entities)	Projected Flow (1,000gal)	Budgeted Expenditures
Farmersville (Farmersville)	150,118	\$ 576,170
Lavon (Lavon)	76,368	481,770
Muddy Creek (Murphy & Wylie)	2,806,618	8,511,900
North Rockwall	201,007	698,010
Panther Creek (North Frisco)	1,428,576	10,058,830
South Rockwall	328,698	1,735,465
Sabine Creek (Fate & Royse City)	740,465	3,116,525
Seis Lagos (Seis Lagos Subdivision)	61,731	327,035
Stewart Creek (South Frisco)	2,653,069	10,389,945
Royse City	-	20,180
<b>Total</b>	<b>8,446,649</b>	<b>\$ 35,915,830</b>

Sewer System wastewater transportation revenue is projected to be \$10,827,450. The table below presents the estimated unit cost for the Sewer System interceptor facilities:

FY22		
Interceptor Facility (Participating Entities)	Projected Flow (1,000 gal)	Budgeted Expenditures
Forney (Forney)	634,280	\$ 682,460
Lower East Fork (Mesquite & Seagoville)*	690,798	1,928,410
Muddy Creek (Murphy & Wylie)*	2,806,620	428,575
Parker Creek (Fate & Royse City)*	326,660	426,290
Sabine Creek (Royse City)*	279,625	313,985
Buffalo Creek (Forney, Heath, Rockwall)	2,684,099	3,821,410
McKinney (McKinney)	1,531,292	56,775
Mustang Creek (Forney)	271,816	2,931,050
Parker Creek Parallel (Fate)	134,180	238,495
<b>Total</b>	<b>9,359,370</b>	<b>\$ 10,827,450</b>

\*Contract Minimums

At the end of the year, actual flows for each participating entity determine the actual cost and final billing adjustments are applied accordingly to "break-even."

## Regional Solid Waste System

RSWS revenue accounts for \$38,677,405 or 6.57% of the FY22 Annual Budget's total estimated revenue. Total solid waste disposal revenue from Member Cities is expected to be \$26,118,800. Member solid waste disposal charges account for the majority of the solid waste disposal revenue. Member Cities share the solid waste disposal cost based on an estimate of contributed tonnage. For FY22, estimated expenditures total \$38,677,405. After reducing expenses for Customer Charges of \$6,840,640, Sludge Revenues of \$3,354,380, Gas Royalties of \$1,426,000, Interest Income of \$5,000 and Other Revenue of \$932,585 the remaining expenses result in a proposed cost per ton rate of \$38.25 for Members. The table below shows a breakdown of volumes and revenue by Member Cities.

FY22		
Members	Projected Tonnage	Annual Billing
Allen	69,143	\$ 2,644,687
Frisco	123,975	4,741,984
McKinney	153,230	5,860,974
Plano	234,500	8,969,513
Richardson	102,005	3,901,642
<b>TOTAL MEMBERS</b>	<b>682,853</b>	<b>\$ 26,118,800</b>

Landfill Customer charges are projected to be \$6,840,640. In FY22, for disposal at the transfer stations, customers will pay \$58 per ton, one-ton minimum charge applies, and an additional \$150 surcharge for loads containing roofing shingles. Customers disposing at the 121 RDF will pay \$42 per ton, one-ton minimum charge applies, with an additional charge above the basic charge for tires based upon wheel size (\$5 per tire up to 24.5 inch diameter, \$20 per farm tractor and motor grader tire), an additional \$150 surcharge for loads containing roofing shingles and a \$25 pull-off fee (non-refundable). Taxes will be charge as applicable.

Sludge Disposal revenue is estimated at \$3,354,380. For FY22, the charge to District operated wastewater treatment plants for disposal of federal and state approved sludge materials is \$24.97 per actual ton.

At the end of the year, actual flows for each Member City and Customer determine the actual cost and final billing adjustments are applied accordingly to "break-even."

## Budget Summary

The FY21 All Systems Amended Budget is \$590,795,475, which is \$20,639,435 or 3.62% greater than the FY21 Original Budget.

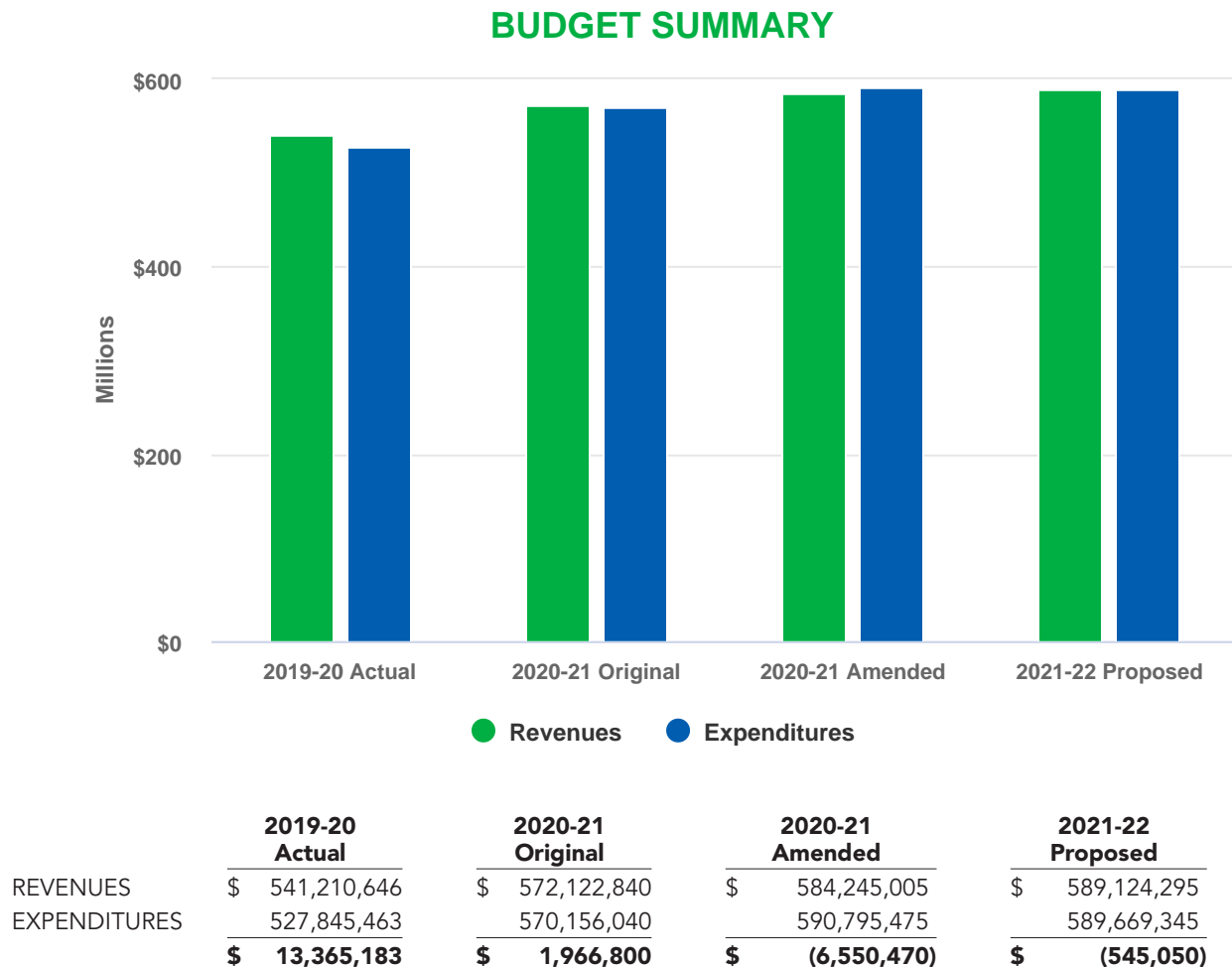
This increase is primarily the result of the following:

- Abnormally large electric power bills due to a catastrophic winter storm. The storm wreaked havoc on the electric grid and caused major pricing dislocation in the electric power market. Several systems reflect additional revenues, to offset the higher expenses, which were transferred in from their respective maintenance escrows and contingency funds. The escrow and contingency funds will need to be replenished in the future.
- A \$6,600,000 payment was made in order to settle the ongoing Public Utilities Commission (PUC) case regarding the Regional Water System contract dispute. This payment was funded out of excess fund balances in the Capital Improvement Fund.
- Chemicals in RWS driven by higher than expected contract bids.. The higher costs can be partially attributed to COVID-19 related supply chain disruptions as well as increased global demands.

These increases are offset by lower transfers to the Interest and Sinking Funds related to utilizing additional debt service reserves as well as changes in bond issue requirements.

The overall FY22 Annual All Systems Budget of \$589,669,345 represents an increase of \$19,513,305 or 3.42%.

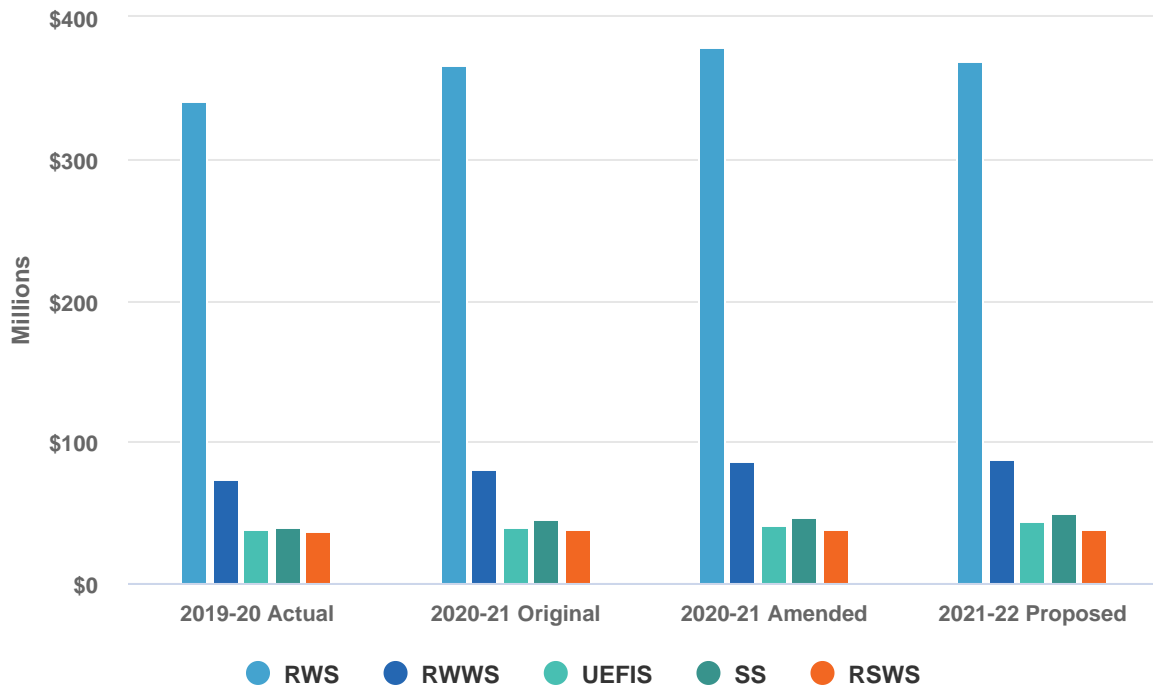
A comparison of the All Systems Budget for FY20 through FY22 is presented below:



## Review by System

Below is a breakdown of the Budgeted Expenditures by System for FY20 through FY22:

### ALL SYSTEMS BUDGETED EXPENDITURES



System	2019-20 Actual	2020-21 Original	2020-21 Amended	2021-22 Proposed
RWS	\$ 340,473,339	\$ 365,403,610	\$ 378,244,175	\$ 369,517,555
RWWS	73,690,439	80,523,835	86,010,380	88,100,745
UEFIS	37,911,473	39,961,760	41,550,000	43,722,855
SS	39,148,504	45,822,320	46,340,245	49,650,785
RSWS	36,621,708	38,444,515	38,650,675	38,677,405
<b>Total</b>	<b>\$ 527,845,463</b>	<b>\$ 570,156,040</b>	<b>\$ 590,795,475</b>	<b>\$ 589,669,345</b>



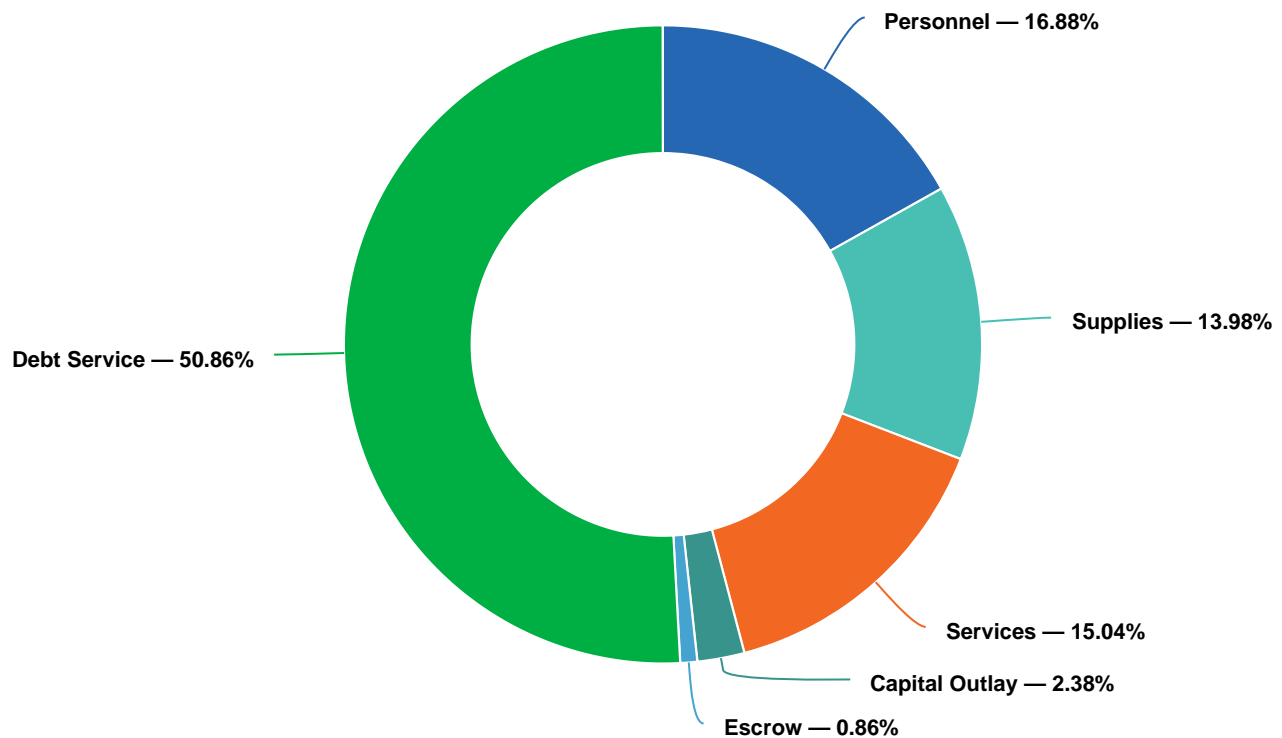
## Review by Category

The following is a summary of FY20 through FY22 All Systems Budgets by Category:

### ALL SYSTEMS BUDGET BY CATEGORY

Category	2019-20 Actual	2020-21 Original	2020-21 Amended	2021-22 Proposed
Personnel	\$ 89,763,556	\$ 91,914,145	\$ 89,998,850	\$ 99,546,135
Supplies	58,376,363	70,098,080	70,572,685	82,442,935
Services	62,647,479	86,741,445	119,500,325	88,685,475
Capital Outlay	10,341,217	13,496,175	13,319,170	14,033,275
Escrow	4,435,258	3,042,750	3,242,750	5,082,255
Debt Service	302,281,590	304,863,445	294,161,695	299,879,270
<b>Total</b>	<b>\$ 527,845,463</b>	<b>\$ 570,156,040</b>	<b>\$ 590,795,475</b>	<b>\$ 589,669,345</b>

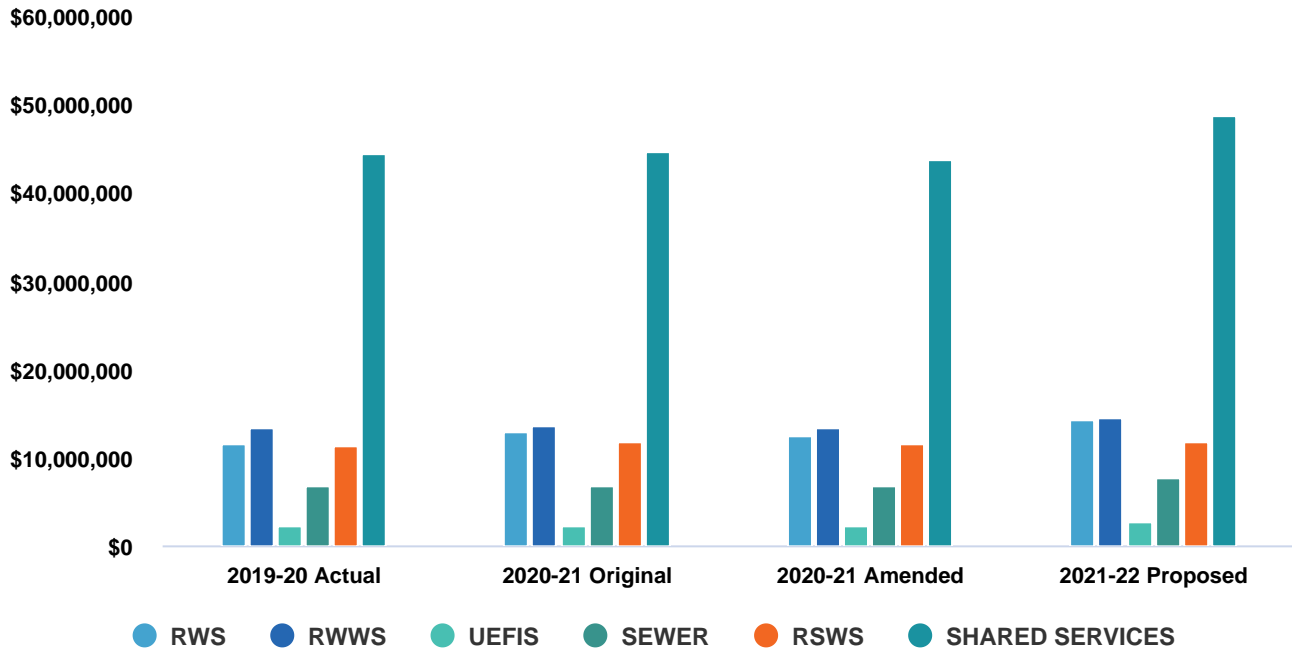
### PROPOSED BUDGET EXPENSES BY CATEGORY



## Personnel

The FY21 Amended All Systems Budget for Personnel is expected to be \$89,998,850 which is (\$1,915,295) or -2.08% less than the FY21 Original Budget. This decrease is due to savings related to vacant positions during the year.

### PERSONNEL EXPENSES BY SYSTEM



Personnel	2019-20 Actual	2020-21 Original	2020-21 Amended	2021-22 Proposed
RWS	\$ 11,479,916	\$ 12,925,335	\$ 12,504,440	\$ 14,334,590
RWWS	13,397,675	13,546,650	13,393,355	14,429,145
UEFIS	2,234,596	2,279,335	2,275,150	2,712,110
SEWER	6,793,216	6,817,070	6,726,430	7,670,410
RSWS	11,370,003	11,724,615	11,495,445	11,813,405
SHARED SERVICES	44,488,151	44,621,140	43,604,030	48,586,475
<b>Total Personnel</b>	<b>\$ 89,763,556</b>	<b>\$ 91,914,145</b>	<b>\$ 89,998,850</b>	<b>\$ 99,546,135</b>

The FY22 All Systems Budget for personnel is \$99,546,135 which is \$7,631,990 or 8.30% greater than the FY21 Original Budget. The increase in salaries and benefits is primarily the result of funding 22 additional positions, employee raises, retirement plan funding increases and rising insurance costs.

The District faces several challenges when it comes to staffing:

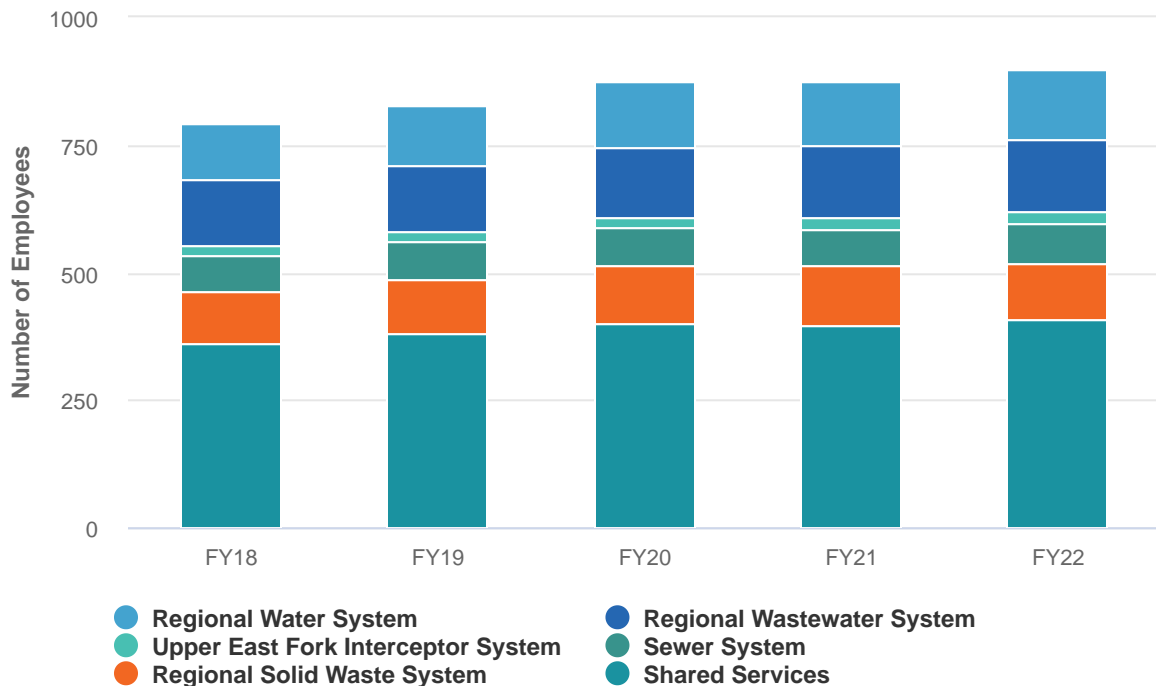
- Maintaining appropriate staffing levels as the District and service area grows.
- Maintaining and building bench strength in key positions.
- Ensuring compensation is competitive in the local labor market.
- Keeping employees safe and healthy.
- Providing career development opportunities for staff.

Meeting these challenges, as an organization, is a priority and the District includes a personnel goal as part of the Strategic Plan to ensure they are met.

Each year managers complete a performance evaluation for each of their staff. The performance evaluation is intended to assist supervisors and employees by providing a tool to:

- Recognize good performance.
- Identify areas needing improvement.
- Create incentives for increased efficiency and good conduct.
- Provide a record to support classification changes, salary adjustments and disciplinary actions.
- Improve communications between supervisors and employees.

### DISTRICT STAFFING SUMMARY



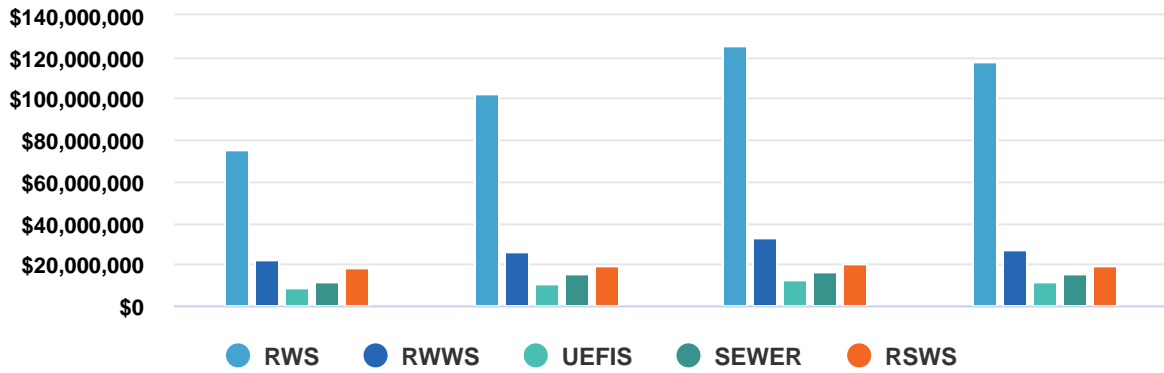
District Wide Staffing	FY18	FY19	FY20	FY21	FY22
Regional Water System	110	115	127	127	136
Regional Wastewater System	129	131	137	140	142
Upper East Fork Interceptor System	19	19	22	22	23
Sewer System	72	73	75	74	77
Regional Solid Waste System	104	108	113	114	113
Shared Services	359	380	399	398	406
<b>Total Employees</b>	<b>793</b>	<b>826</b>	<b>873</b>	<b>875</b>	<b>897</b>

Total budgeted positions for FY22 are 897, a 2.5% increase from the prior year. While the total headcount increased by 22, various positions were also repurposed between the Operating Systems and Shared Services. These repurposes came about as the District utilized existing vacancies, as well as, restructured some positions following the retirement incentive program that was offered in FY21. The major position additions are related to the building of new operating facilities. In the RWS, there are a net of 9 new additions to staff for Bois d'Arc Lake and the Leonard Water Treatment Plant. RWWWS increased headcount related to the new Sister Grove facility that is being built. The Shared Services increases are related to maintenance / technical services staff for the Leonard WTP. All staffing changes are reflected within each department's staffing summaries throughout the budget document.

## Operations

The FY21 Amended All Systems Budget for Operations is \$206,634,930 which is \$33,256,480 or 19.18% greater than the FY21 Original Budget. The primary cause of this increase is the unusually large electric bills due to Winter Storm Uri. There is also an increase in chemicals, mainly in RWS, due to higher bids on chemical contracts.

### OPERATING EXPENSES BY SYSTEM



Operating	2019-20 Actual	2020-21 Original	2020-21 Amended	2021-22 Proposed
RWS	\$ 74,831,065	\$ 102,408,545	\$ 125,675,760	\$ 117,359,456
RWWS	22,524,992	26,430,665	32,365,677	27,279,495
UEFIS	8,726,489	10,621,661	12,257,547	11,549,321
SEWER	11,595,391	15,081,985	16,183,515	15,152,863
RSWS	18,122,379	18,835,594	20,152,431	18,902,805
<b>Total Operating</b>	<b>\$135,800,317</b>	<b>\$173,378,450</b>	<b>\$206,634,930</b>	<b>\$190,243,940</b>

The FY22 All Systems Budget for Operations is \$190,243,940 which is \$16,865,490 or 9.73% greater than the FY21 Original Budget.

The following areas increased:

- Chemicals, primarily in the RWS, due to higher bids on new chemical contracts. The higher costs can be partially attributed to COVID-19 related supply chain disruptions as well as increased global demands.
- Electric power within the RWS.
- Non-vehicle equipment purchases:
  - RSWS - installation of a new truck wash at the 121 RDF.
  - RWS - purchasing an additional amphibious track vehicle, cell dewatering pump and a mower for levees for the Eastfork Wetlands.
  - UEFIS - purchasing a bioscrubber fan for the Lower Rowlett Creek Lift Station, replacement variable frequency drives and other replacement pumps and motors.
- Other services within RWWS for 5 year maintenance projects including plant structure and building coating rehab, coating on weirs, rake and center wells.

The above increases were partially offset by the following:

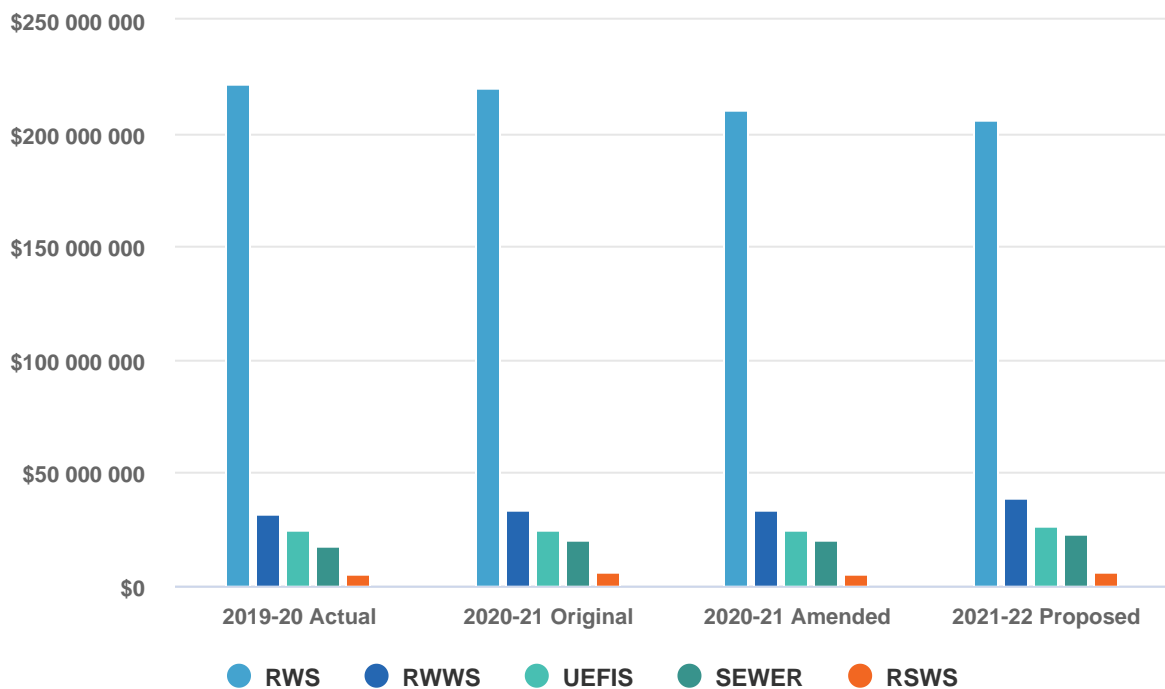
- Lower Special Maintenance based on a reduction in the amount of dry solids needing to be removed.
- Reductions in Pipeline Maintenance across the Sewer System.
- Reduced Contract Labor in the RWS at Bois d'Arc Lake.
- Reduced vehicle equipment purchases within the RWWS and RSWS.

## Capital

The service area for the District is considered one of the fastest growing in the nation. This growth, along with aging infrastructure, makes ongoing investment in capital projects a critical piece of continuing to provide services for Member Cities and Customers. In addition to short term Capital Outlay, included as part of the operating budget, the District funds a large portion of Capital Projects through transfers to Capital Improvement Funds as well as issuing long term debt. In FY22, 51% of the total All Systems Budget is related to these transfers and debt service payments. It can be expected that adding new facilities to the District's infrastructure will bring the upfront capital cost as well as future ongoing O&M costs. For planning purposes the District uses a percentage of a project's capital cost to estimate future O&M costs, generally between 1-3% depending on the type of project being built. Over time, these additional costs are expected to be offset by the additional revenue that is generated by growing demands on the systems.

The FY21 Amended All Systems Budget for Capital is \$294,161,695 which is (\$10,701,750) or (-3.51%) less than the FY21 Original Budget. The decrease is due to delays in the Regional Solid Waste System, Forney Mustang Creek Lift Station Phase II/Force Main Improvements and Buffalo Creek Interceptor Tunnel projects. These projects have been pushed out to FY22 and beyond.

### CAPITAL EXPENSE BY SYSTEM



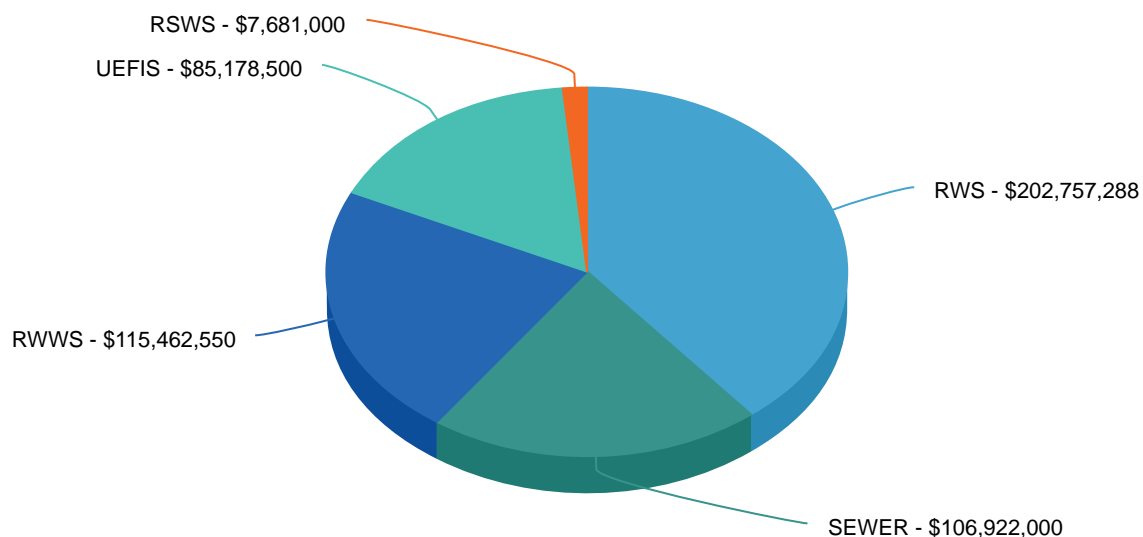
Capital	2019-20 Actual	2020-21 Original	2020-21 Amended	2021-22 Proposed
RWS	\$ 222,009,595	\$ 219,660,985	\$ 210,218,835	\$ 205,597,795
RWWS	31,967,330	33,952,900	33,952,900	39,115,870
UEFIS	24,866,625	24,554,700	24,554,700	26,352,120
SEWER	17,868,705	20,536,510	20,137,410	22,790,225
RSWS	5,569,335	6,158,350	5,297,850	6,023,260
<b>Total Capital</b>	<b>\$ 302,281,590</b>	<b>\$ 304,863,445</b>	<b>\$ 294,161,695</b>	<b>\$ 299,879,270</b>

The FY22 All Systems Budget for Capital is \$299,879,270 which is (\$4,984,175) or -1.63% less than the FY21 Original Budget. The decrease is due to lower capital improvement fund transfers in RWS which is partially offset by additional required debt service payments from new debt. For FY22, bond issues and Extendable Commercial Paper (ECP) of approximately \$520 million worth of capital projects are planned. ECP is a short-term financing vehicle that acts like a revolving line of credit that will be repaid with long-term bonds at a later date.

- In the RWS, bond sales of \$203 million to repay ECP issued for 50+ major contracts. These contracts include the construction of Wylie WTP II structural and mechanical improvements; construction of Water System maintenance facilities for Central Region Phase II; the design to expand Leonard WTP HSPS from 90 MGD to 180 MGD; construction of the 36" Plano West Side Pipeline (to Plano No. 3 and Richardson No. 2); design of 140 MGD Leonard WTP Site Phase II; Wylie WTP II Structural and Mechanical Improvements Phase II; permitting and mitigation of Future Water Supply Project; and other system improvements.
- In the RWWS, bonds sales of \$115 million to repay ECP issued for 20+ major contracts. These contracts include the construction of the South Mesquite Regional WWTP Peak Flow Management & Expansion Phase I; design of the South Mesquite Regional WWTP Peak Flow Management & Expansion Phase II; the construction of the Rowlett Creek Regional WWTP Operations Building; and other system improvements.
- In the UEFIS, issuance of \$24 million for the construction and inspection of the McKinney East Side Extension Improvements along with \$61 million in ECP (to be refunded with bonds in FY23) for the construction of the Wilson Creek Transfer Force Mains; construction of the Plano-McKinney Water Transmission System Phase I; construction of Sloan Creek Force Main; design of the expansion to 25 MGD of the Princeton Lift Station; and other system improvements.
- In the Sewer System, bond sales of \$107 million for the construction of the Buffalo Creek Interceptor Tunnel; construction of the Forney Mustang Creek Lift Station Phase II and Forney Force Main Improvements; and the construction of the expansion to 7 MGD of the Sabine Creek WWTP.
- In the RSWS, bond sales of \$8 million for the property and permitting for the North Transfer Station; construction for the closure of 121 RDF south slope; and other system improvements.

A complete listing of the contracts to be funded by the planned bond issues is included in the Appendix of the full budget document.

### BUDGETED BOND ISSUES





# REGIONAL WATER SYSTEM

# FY22 FAST BUDGET FACTS

WATER SERVICES

## COMMUNITIES SERVED

**136**  
EMPLOYEES

**\$299**  
MILLION

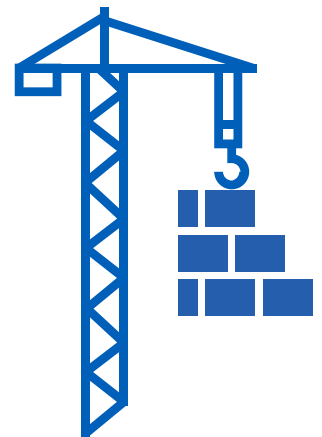
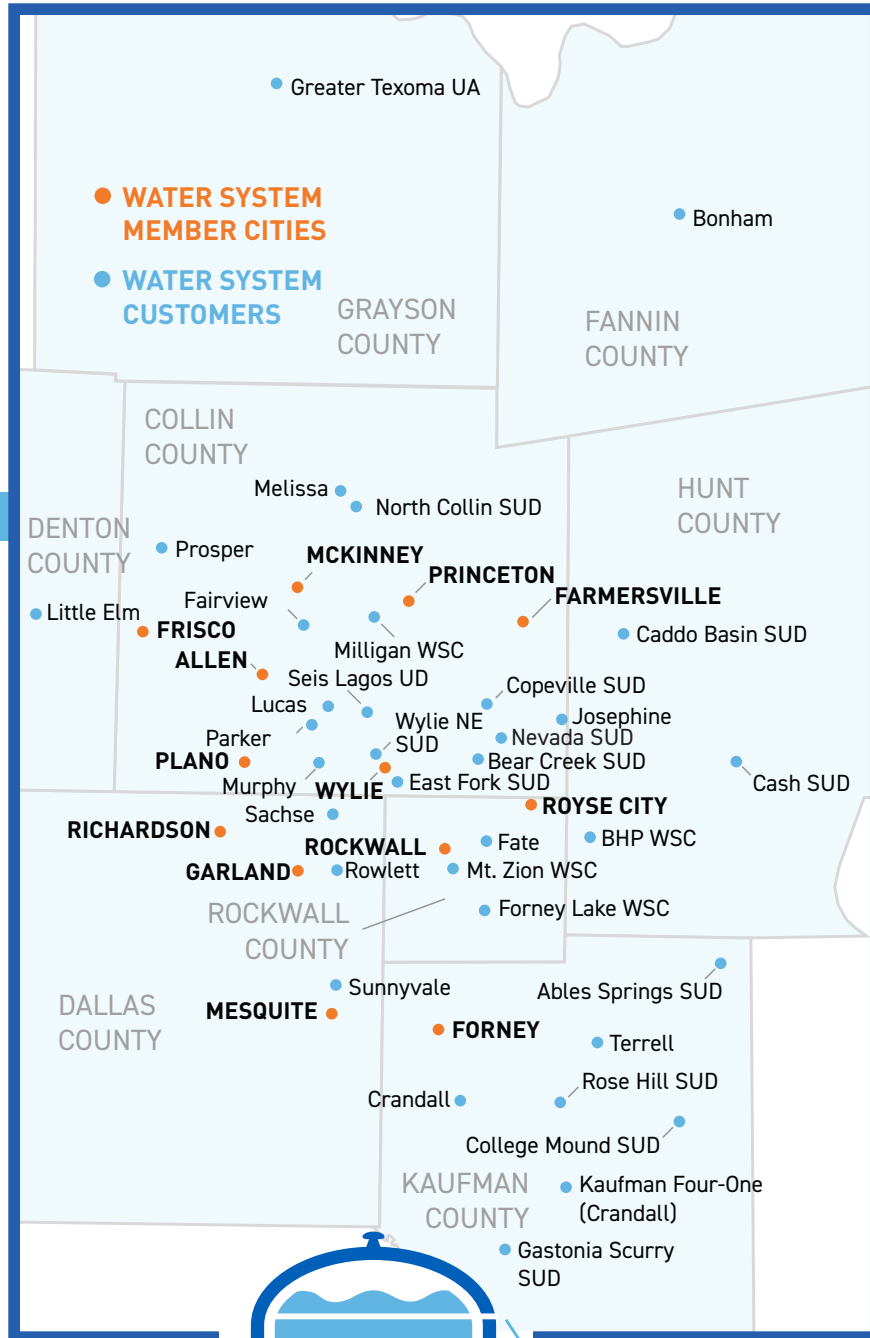
In water system  
construction  
contracts

**610+**  
Miles of water  
transmission lines

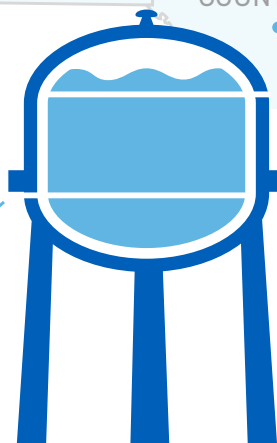
**6** |   
Water treatment  
PLANTS

Typically  
**32 BILLION**  
Gallons of water  
re-used  
annually

FY22 Annual Minimum  
**121.9 BILLION**  
Gallons of treated water



Average Annual  
Water Use  
**81%** Member  
Cities  
**19%** Customers



## Regional Water System

### Water Supply

The District's raw water is currently supplied by water rights held in Lavon Lake, Lake Texoma and Lake Jim Chapman, with Lavon Lake serving as the primary source of raw water. Additional supplies are furnished by contracted rights in Lake Tawakoni and Lake Fork Reservoir. The District also has the following supplemental raw water sources:

- A permitted water right for up to 64 MGD of capacity from the Wilson Creek Regional Wastewater Treatment Plant of highly treated effluent that is discharged into Lavon Lake.
- A current supply of approximately 45 MGD from the East Fork Water Reuse Project that is discharged into Lavon Lake.
- An additional maximum of 56,050 acre-feet per year through the Trinity River Main Stem Pump Station which is supplied through the East Fork Water Reuse Project to Lavon Lake.
- A Lake Bonham supply of 4.8 MGD serving the Bonham Water Treatment Plant.

To meet future water needs, the District continues to plan and participate in the statewide water planning process mandated by Senate Bill 1 as passed into law in 1997. The 2016 Region C Water Plan was submitted to the Texas Water Development Board (TWDB) and was included in the 2017 State Water Plan. The District is participating in the development of the sixth cycle of planning for the Region C Water Planning Group, which is mandated to submit its completed report to the TWDB in 2020. The planning process is very complex due to the 50-year planning horizon and the multifaceted water management strategies that have been identified to meet the region's water supply needs.

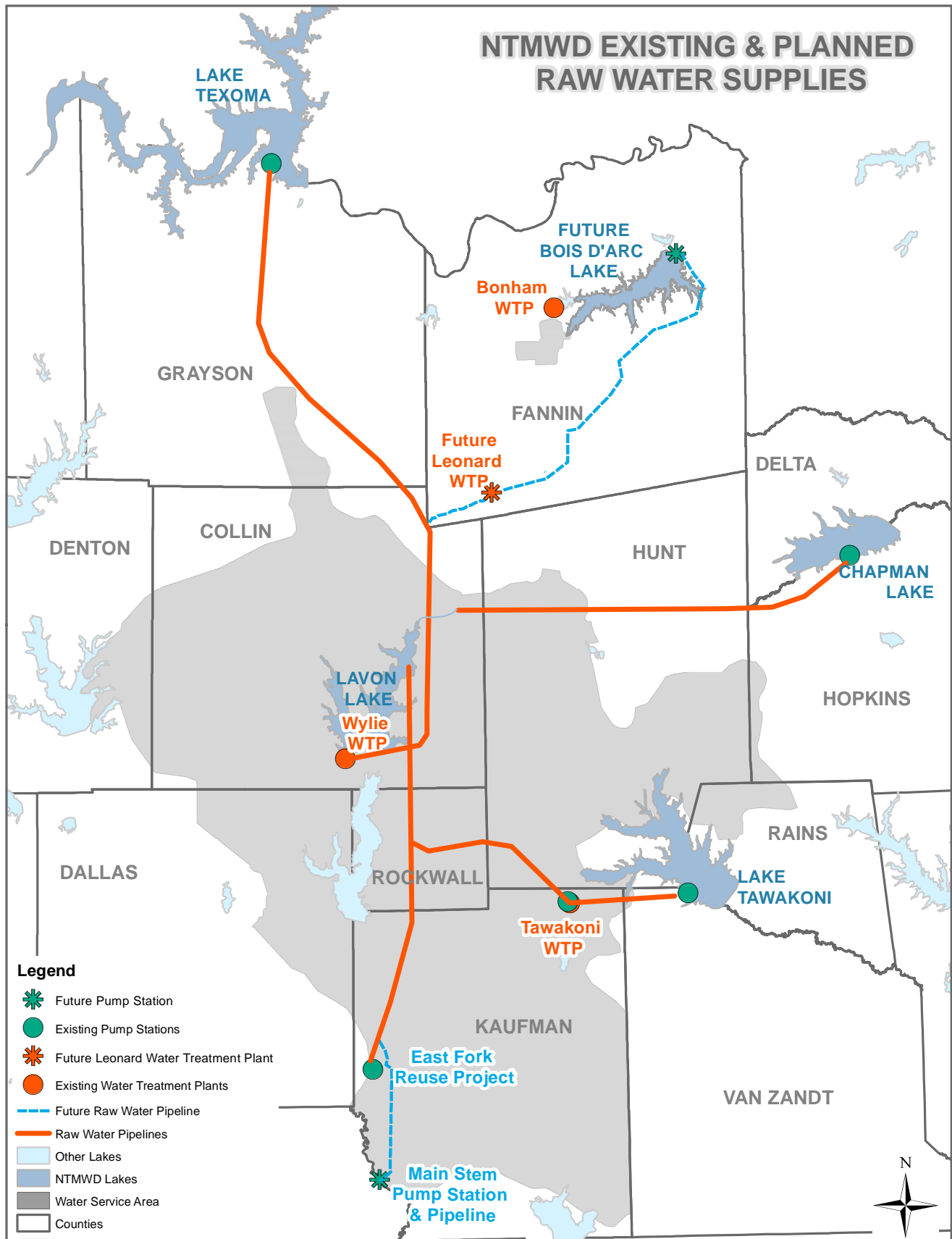
### Water Quality

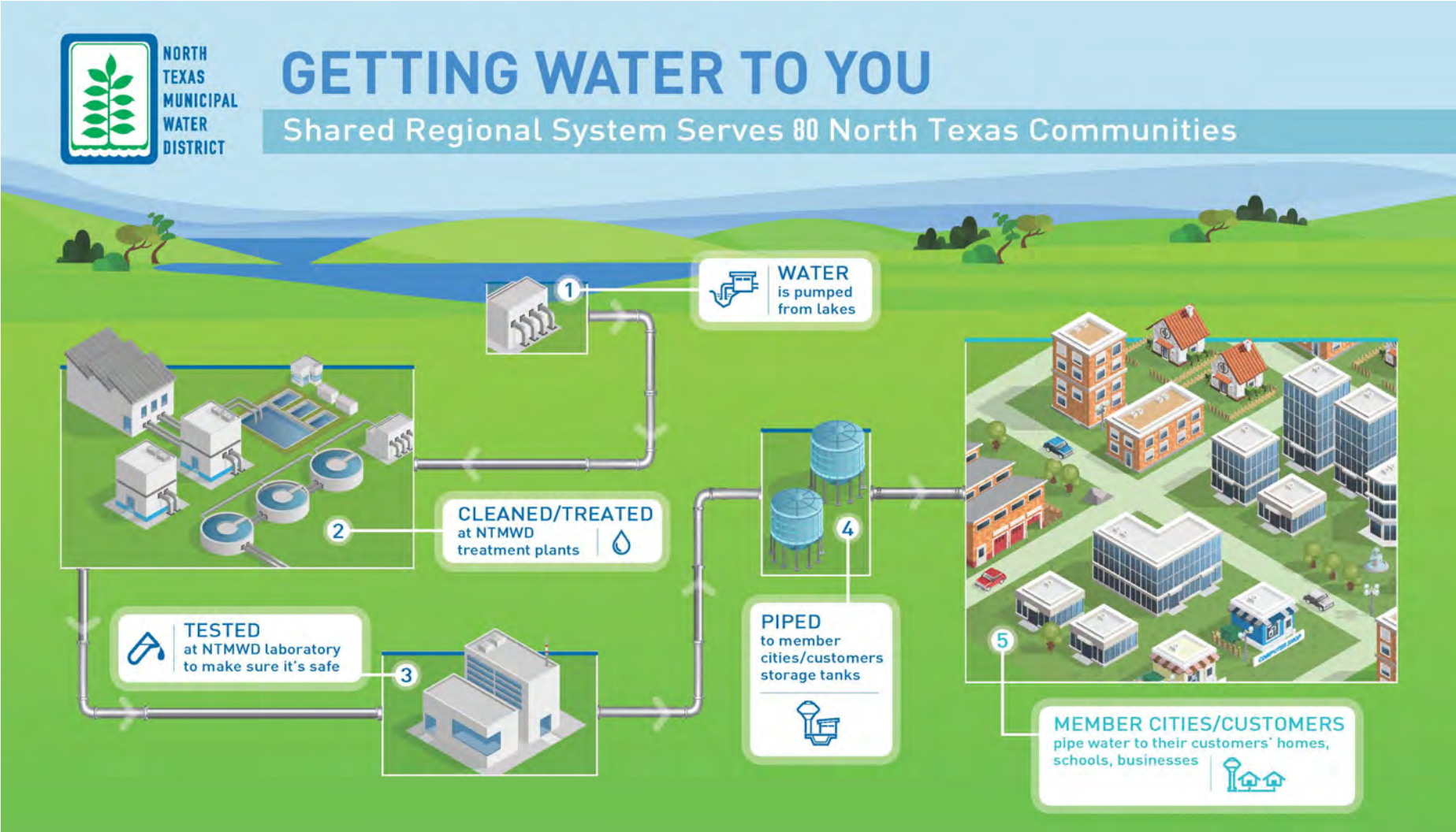
The District's top priority is to keep drinking water safe. To ensure quality water for the communities served, the District's nationally accredited laboratory conducts and processes hundreds of samples every day. Findings are reported to ensure drinking water meets or surpasses regulatory standards set by the Texas Commission on Environmental Quality (TCEQ), the U.S. Environmental Protection Agency (EPA) and the Safe Drinking Water Act.

To make sure the District provides high quality water that meets or surpasses EPA regulations and requirements, NTMWD treats water to remove or reduce sediment, bacteria and other impurities. The six water treatment plants use a rigorous, multi-step process to treat and disinfect the water to ensure its safety as it travels through pipes to homes and businesses. The District continuously monitors and tests the water before delivering it to our Member Cities and Customers. The District publishes the levels of all regulated contaminants in our annual Water Quality Report (also known as Consumer Confidence Report or CCR).

The NTMWD Environmental Services Lab is accredited by the TCEQ for the National Environmental Laboratory Accreditation Program (NELAP) for potable and non-potable parameters and conducts nearly 250,000 tests per year.

Member Cities and Customers also test the water before they distribute it to their consumers. They produce their own annual water quality reports. Most of these can be accessed at each city or water utility's website.



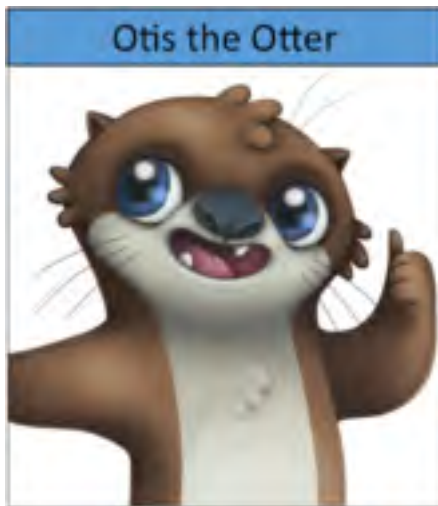


## Water Conservation Efforts

Conservation remains a critical component of water resource planning despite the wetter than normal conditions over the past few years. According to the most recent state water plan, over 30% of future water supplies to serve North Texas will come from conservation and reuse. The NTMWD continues to emphasize the importance of water conservation through investments in water education and outreach to raise awareness of this vital source of supply to meet our region's long term water needs.

In 2006, NTMWD championed the first state-wide public awareness program in Texas to educate residents about their local water resources and provide easy tips on how to conserve. The "Water IQ: Know your Water" program was based around research showing that the more people know where their drinking water comes from, the more likely they are to use it wisely. Through the Love Lavon Lake local campaign, residents in communities served by Lavon Lake realized the importance of the lake as their main source of drinking water.

Over the years, NTMWD has launched several additional programs to help communities learn how to save water, including WaterMyYard.org, Water4Otter, #PledgeToPlantSmart and sponsoring garden kits of curated water-saving plants. Most recently, the water education and awareness initiatives have expanded to incorporate a "One Water" focus which includes water treatment and delivery, wastewater treatment and reuse, stormwater and watershed protection. Protection and preservation of existing water sources is critical for watersheds, especially where urbanization is taking place, to ensure water quality and to meet long-term water demands.



The District collaborated with Texas A&M AgriLife Extension to develop the weather-based irrigation tool [WaterMyYard.org](http://WaterMyYard.org) which delivers alerts to subscribers to help reduce waste due to overwatering lawns and landscapes. Recognizing that summer outdoor watering habits increase water demands, peak delivery needs and expanded water treatment capacity, this irrigation tool is designed to regularly inform homeowners of "When to Water and When to Wait."

As an extension of the WaterIQ campaign, NTMWD developed a youth program, Water4Otter, which centers on the next generation of water users. Otis the Otter and his friends encourage students to stop wasteful water use habits and protect the wildlife sharing Lavon Lake. As part of the education programs to use water wisely, NTMWD created a series of public service announcements featuring prominent Texas leaders to share the importance

of selecting plants that are native and adapted to the state and our climate.

As part of a commitment to regionalization and efficiencies, the District teamed with two of our neighboring water agencies, Dallas Water Utilities and Tarrant Regional Water District, to launch a new public education and conservation campaign across multiple media platforms. The campaign focuses on our collective love of Texas traditions to help instill a love of Texas water – something no one can live without – to keep Texas water on tap. The "Water Is Awesome" campaign is featured on social media, online, TV, radio, billboards and print throughout our combined service areas.

NTMWD is building on its historic commitment to conserving and protecting our most vital resource. The combination of programs and messages continue to be shared through community outreach events, presentations at elementary schools, sporting events, media outlets such as TV, radio, print and many more. While it is difficult to pinpoint exact percentages of conservation habit changes, we have seen a 15% annual water use reduction through the combined efforts of NTMWD and the communities we serve, since we began these education and awareness efforts.

## Planning For The Future

### Source Water Protection

Protecting and preserving existing water sources to ensure long-term health and viability is important for all water suppliers and is critical for watersheds where urbanization is taking place, such as the Lavon Lake Watershed. In 2016, the District partnered with Texas A&M AgriLife to develop a Lavon Lake Watershed Protection Plan (Plan) with the aim of protecting and improving the quality of water in Lavon Lake over the long term. Plan development included numerous public meetings to weigh in on specific strategies and establish the stakeholder group to represent diverse interests within the watershed. The stakeholder group was the primary body tasked with reviewing and recommending activities to include in the Plan. Completed in 2017, the Plan is currently being implemented.



### Short and Long-Term Supplies

As a result of the increased water needs of all Metroplex water providers, partnerships have been developed to meet the many challenges that lie ahead. Through these partnerships, the District is actively pursuing options for the development of additional supplies to meet short-term and long-term needs.

To meet short-term needs, the District was successful in getting a 3-year temporary water right for Lavon Lake water from the TCEQ in July 2018. The District also contracted with the Trinity River Authority to purchase up to 50,060 acre-feet per year of reuse to be withdrawn out of the Trinity River at the Main Stem Pump Station starting in 2019.

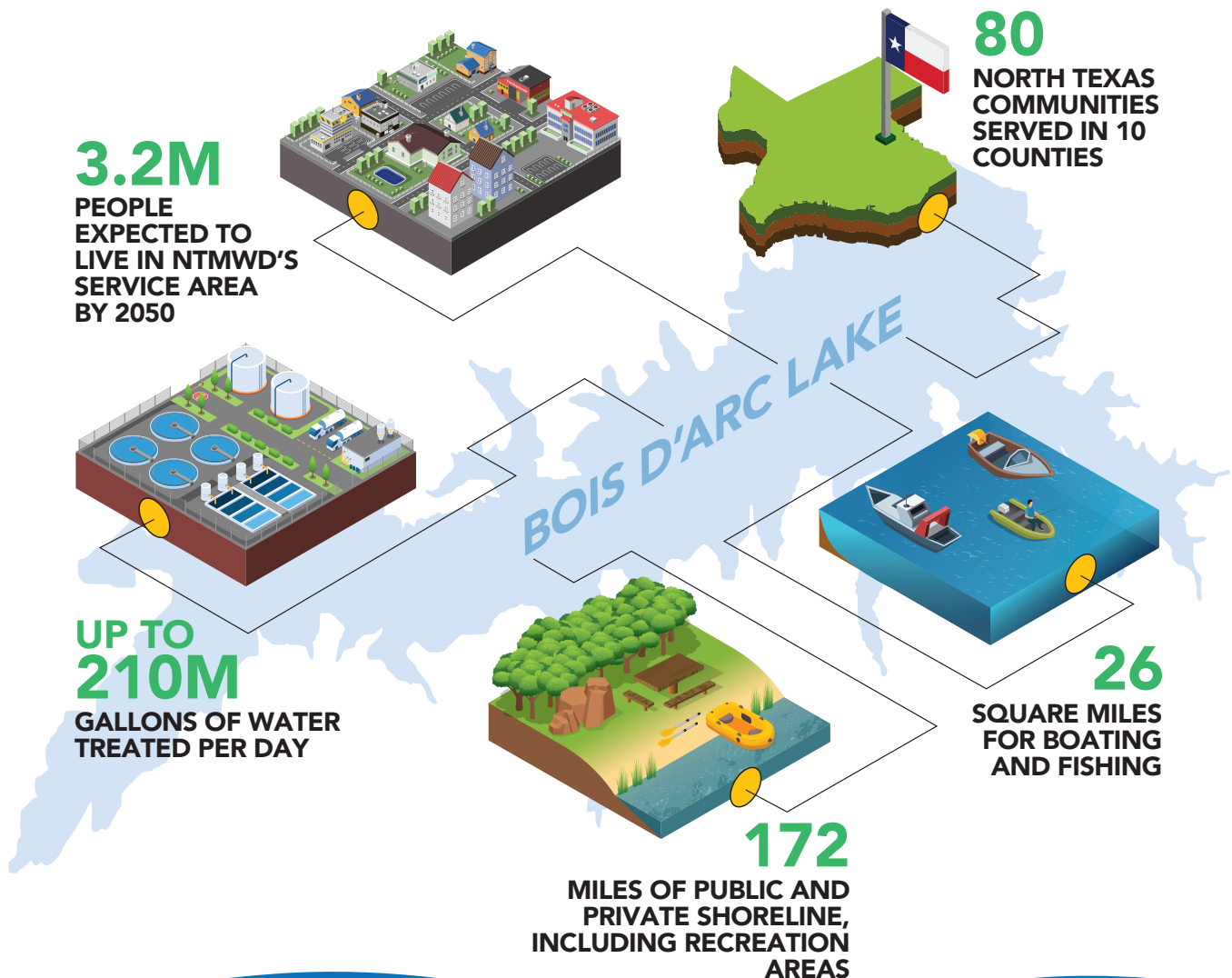
To meet long-term needs, the District is:

- Constructing Bois d'Arc Lake, which is projected to supply 108 MGD and is on track to be online in 2022. The District was issued a water right from the TCEQ in June 2015. The U.S. Army Corps of Engineer's issued its Record of Decision and granted the 404 Permit on February 2, 2018 to allow construction to begin.
- Pursuing the development of the Sulphur Basin Supplies Strategy in partnership with the Sulphur River Basin Authority, Tarrant Regional Water District, City of Irving, City of Dallas and the Upper Trinity Regional Water District. The first phase of this project is expected to provide 78 MGD and is currently scheduled to be online in 2060.
- Evaluating the feasibility of acquiring water from the Toledo Bend Reservoir that could potentially supply water to the District beginning in 2070.
- Seeking approval of a water rights application from the Oklahoma Water Resources Board for the right to use water from the State of Oklahoma from the Kiamichi and Muddy Boggy River Basins.
- Evaluating the following projects that were included as Alternative Water Management Strategies:
  - Toledo Bend – Phase 2
  - Lake O' the Pines
  - Lake Texoma with desalination rather than blending
  - Freestone/Anderson County Groundwater
  - George Parkhouse Reservoir (North)
  - George Parkhouse Reservoir (South)
  - Marvin Nichols Reservoir

The District Staff remains confident that sufficient raw water supplies can be developed through the innovative and diligent efforts of the District's Board of Directors and Staff. Through the partnerships now being developed, new supplies can be delivered at the lowest possible cost to the District's Member Cities and Customers.

# IN NORTH TEXAS, OUR DREAMS ARE BIG. SO IS BOIS D'ARC LAKE.

Everyone loves North Texas! In fact, it's attracting more new residents and businesses than almost any part of the state. Bois d'Arc Lake — the first major Texas reservoir in nearly 30 years — will help ensure a reliable water supply today and tomorrow, plus offer big recreation benefits, too.



NORTH  
TEXAS  
MUNICIPAL  
WATER  
DISTRICT

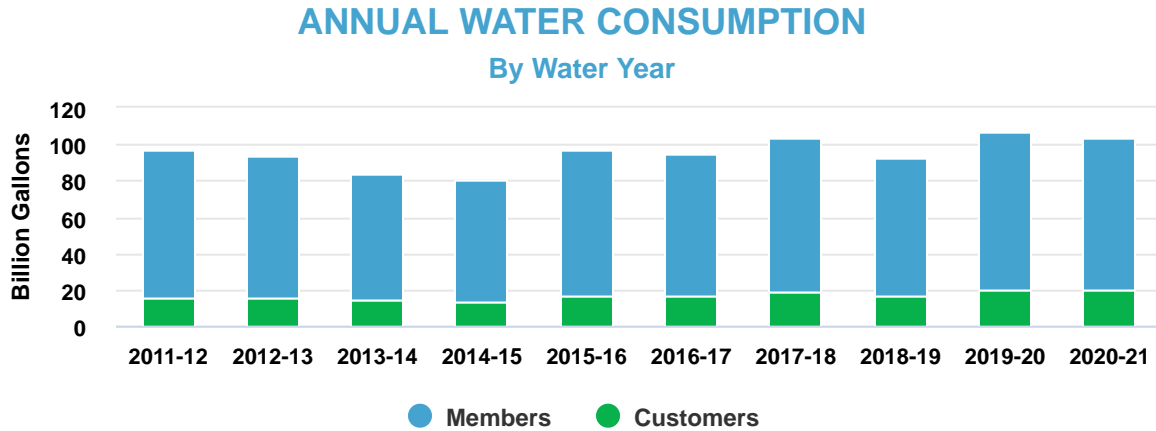


BOIS  
D'ARC  
LAKE

The 26-square-mile Bois d'Arc Lake starts delivering drinking water to 80 North Texas communities in 2022. Visit [BoisdArcLake.org](https://BoisdArcLake.org) for more information.

## Minimum Annual Demand and Water Rate

Water Consumption for the FY21 water year (August 1, 2020 through July 31, 2021) was 103,583,093,000 gallons. This was 2,688,118,000 gallons or 2.53% less than the prior year's consumption of 106,271,211,000 gallons and 17,716,670,000 gallons or 14.61% less than the expected consumption of 121,299,763,000 gallons for the year. Historical water consumption is presented below:



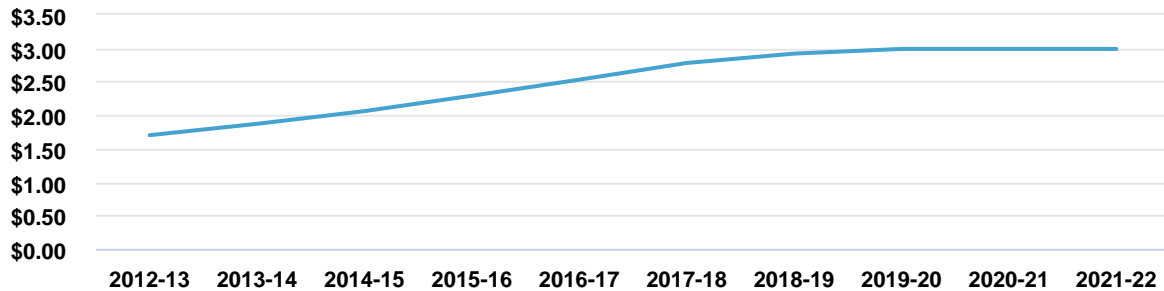
The Minimum Annual Demand methodology requires each city to pay for the facilities it has required the District to construct in order to meet its demands. This method provides for an escalating Minimum Annual Demand for cities that place additional demands on the system and on cities that do not effectively manage their demands, thus encouraging conservation. Total Minimum Annual Demands for FY22 are scheduled at 121,904,133,000 gallons. The table below presents the Minimum Annual Demands for each Member City and for Customers collectively:

FY22 ANNUAL MINIMUMS	
Member Cities	(1,000 gallons)
Allen	6,002,360
Farmersville	279,486
Forney	2,398,194
Frisco	12,194,343
Garland	13,674,674
McKinney	11,935,830
Mesquite	8,254,231
Plano	26,600,916
Princeton	751,294
Richardson	10,968,729
Rockwall	4,188,942
Royse City	659,940
Wylie	1,873,784
<b>Total Member Cities</b>	<b>99,782,723</b>
<b>Customers</b>	<b>22,121,410</b>
<b>Grand Total</b>	<b>121,904,133</b>

In an effort to offset some of the economic impact of the COVID-19 pandemic, the District has sought to reduce expenses where feasible. It is recommended that the current Member City Water Rate be kept flat at 2.99 per 1,000 gallons for the FY22 fiscal year. The current Customer City Water Rate will also remain flat at 3.04 per 1,000 gallons for FY22. Rate adjustments are anticipated in future years as cost estimates to develop raw water supplies and operational costs continue to increase. Historical and proposed Member City Water Rates are presented below:

### MEMBER CITY WATER RATES

per 1,000 gallons



The budget provides funding for the production of treated water based on the Minimum Annual Demands. When a city's actual annual demand exceeds the budgeted Minimum Annual Demand, additional variable costs (power, chemicals and purchased water) are incurred to meet the increased demands placed on the system. In order to recover these costs, the Board of Directors has established Excess Water Rates for water demands in excess of the Minimum Annual Demands. For FY22, it is proposed that the Excess Water Rate be adjusted from \$0.49 to \$0.60 per 1,000 gallons for Member Cities and from \$0.54 to \$0.65 per 1,000 gallons for Customer Cities.

### Rebate Program

The Board of Directors has also established a Rebate Program. In accordance with the Program, each city's actual usage is compared to its Minimum Annual Demand and the Board determines whether to rebate the variable cost (\$0.49 per 1,000 gallons for FY21) to the cities for water that was budgeted to be produced, but was not actually consumed. This program rewards cities that effectively manage their water usage and encourages conservation. The schedule below provides the potential water rebates for Member Cities and Customers for FY21.

### 2020-21 Water Excess / Rebates

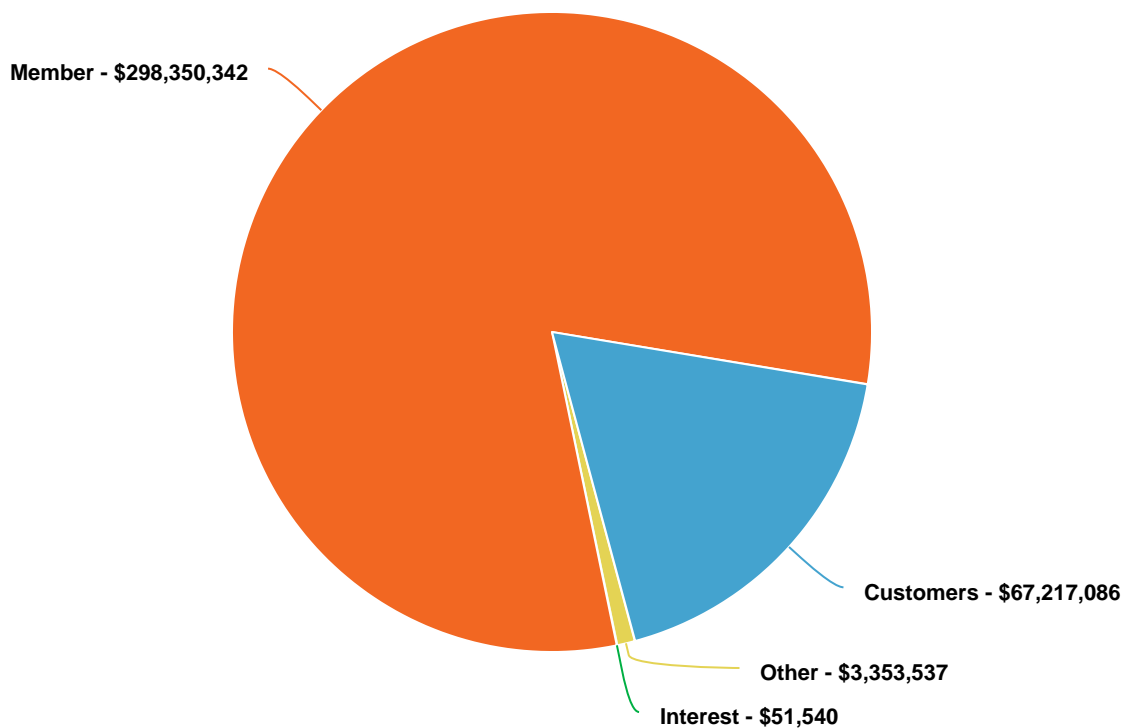
City	Minimum Annual Demand (1,000 Gallons)	2021 Actuals (1,000 Gallons)	2021 Excess	2021 Rebates
Allen	6,011,208	5,541,580	\$ -	\$ (230,118)
Farmersville	280,467	228,410	-	(25,508)
Forney	2,345,109	2,398,194	26,012	-
Frisco	11,910,250	12,194,343	139,206	-
Garland	13,721,955	11,212,500	-	(1,229,633)
McKinney	11,963,029	10,519,404	-	(707,376)
Mesquite	8,297,666	5,992,325	-	(1,129,617)
Plano	26,719,809	20,409,444	-	(3,092,079)
Princeton	660,682	751,294	44,400	-
Richardson	11,019,311	8,334,608	-	(1,315,504)
Rockwall	4,190,133	4,126,903	-	(30,983)
Royse City	565,932	659,940	46,064	-
Wylie	1,877,558	1,677,260	-	(98,146)
<b>Total Members</b>	<b>99,563,109</b>	<b>84,046,205</b>	<b>\$ 255,681</b>	<b>\$ (7,858,964)</b>
<b>Customers</b>	<b>21,736,654</b>	<b>19,536,888</b>	<b>1,064,094</b>	<b>(1,104,333)</b>
<b>Grand Total</b>	<b>121,299,763</b>	<b>103,583,093</b>	<b>\$ 1,319,775</b>	<b>\$ (8,963,297)</b>

## Revenues and Expenditures

	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>	<b>\$ 353,838,522</b>	<b>\$ 367,370,410</b>	<b>\$ 371,693,705</b>	<b>\$ 368,972,505</b>	<b>\$ 1,602,095</b>	<b>0.44%</b>
<b>Expenditures</b>						
Personnel	\$ 11,479,916	\$ 12,925,335	\$ 12,504,440	\$ 14,334,590	\$ 1,409,255	10.90%
Supplies	35,148,565	42,511,670	43,712,955	53,361,475	10,849,805	25.52%
Services	71,087,644	88,584,095	110,038,225	93,318,195	4,734,100	5.34%
Capital Outlay	697,610	1,671,525	1,719,720	1,655,500	(16,025)	-0.96%
Escrow	50,010	50,000	50,000	1,250,000	1,200,000	2400.00%
Debt Service	222,009,595	219,660,985	210,218,835	205,597,795	(14,063,190)	-6.40%
<b>Total</b>	<b>\$ 340,473,339</b>	<b>\$ 365,403,610</b>	<b>\$ 378,244,175</b>	<b>\$ 369,517,555</b>	<b>\$ 4,113,945</b>	<b>1.13%</b>

The FY21 Amended Budget for total estimated revenues is expected to be \$371,693,705 and the Amended Budget for total estimated expenses is expected to be \$378,244,175. For FY22, Member City and Customer water sales revenues are projected to be \$365,567,428, which reflects the flat water rate. Combined with other water sales of \$21,990, interest income of \$51,540 and other budgeted revenues of \$3,331,547, the total budgeted revenue for FY22 is \$368,972,505.

## RWS 2020-21 ANNUAL BUDGETED REVENUE



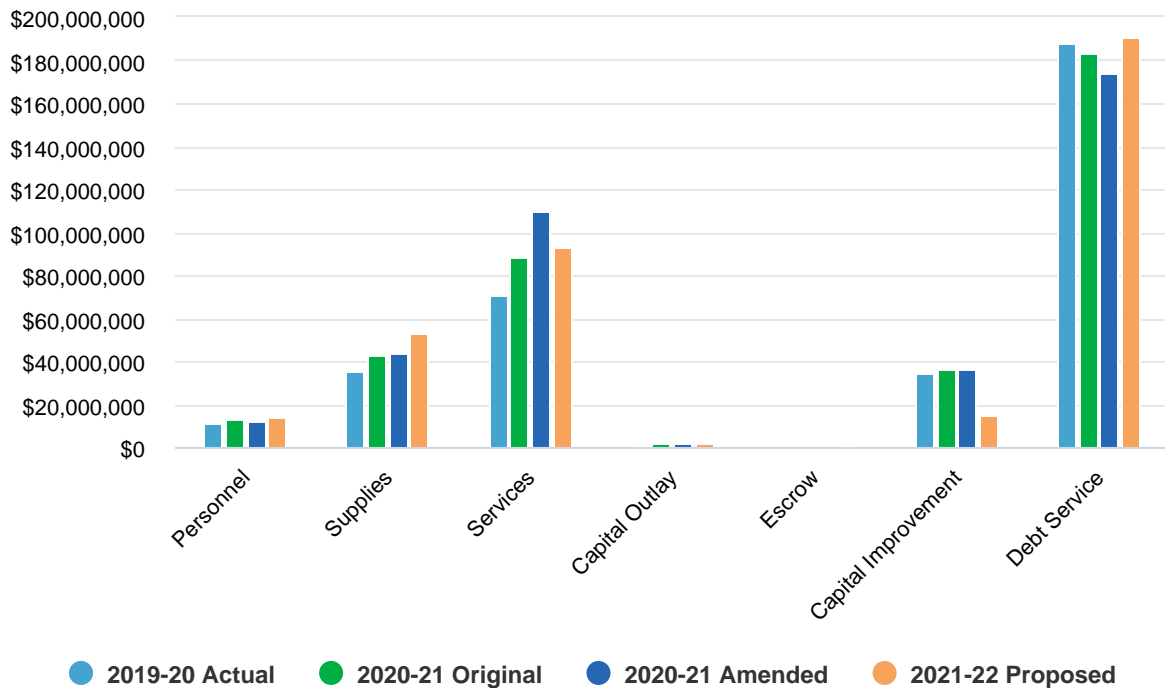
The FY21 Amended Budget for expenditures totals \$378,244,175, which is \$12,840,565 or 3.51% greater than the FY21 Original Budget of \$365,403,610. This increase is due to high electric power bills as a result of Winter Storm Uri and increased prices of Chemicals. These increases were partially offset by lower Debt Service.

For the FY22 Annual Budget, the total RWS expenditures requested are \$369,517,555, which is \$4,113,945 or 1.13% greater than the FY21 Original Budget.

Major budget variances are explained below:

- Increase of \$10,849,805 in Supplies driven by Chemicals from higher bids on new contracts driven by supply chain issues and increased global demands.
- Increase of \$4,734,100 for Services as a result of higher electric power costs.
- Increase in Personnel of \$1,409,255 due to an additional 9 headcount, including those that were repurposed from Shared Services. The majority of these additions are for Bois d’Arc Lake and Leonard Water Treatment Plant as they begin full operations. In addition, there were cost increases in insurance and retirement costs.
- Higher debt service cost is offset by reduced Capital Improvement Fund transfers resulting in a net decrease of (\$14,063,190).

## REGIONAL WATER SYSTEM EXPENDITURES





### Regional Water System Operating Fund

9/30/2021

Regional Water System	FY21 Budget	FY21 Amended	FY22 Proposed
<b>Fund Balance:</b>			
Beginning Balance	\$ 33,565,469	\$ 33,627,336	\$ 40,776,866
2020 Excess Fund Balance		13,700,000	
Revenues	367,370,410	371,693,705	368,972,505
Expenditures	365,403,610	378,244,175	369,517,555
Increase / (Decrease)	1,966,800	7,149,530	(545,050)
<b>Ending Balance</b>	<b>\$ 35,532,269</b>	<b>\$ 40,776,866</b>	<b>\$ 40,231,816</b>
Target Balance 90 Days		41,006,865	40,010,365
<b>Excess to Member Cities</b>		<b>\$ (229,999)</b>	<b>\$ 221,451</b>
Divided by Daily Operating Expense	\$ 394,715	\$ 455,632	\$ 444,560
Days of Operating Expense	90	89	90
<b>Daily Operating &amp; Maintenance Expense Calculation:</b>			
Total Expenditures	\$ 365,403,610	\$ 378,244,175	\$ 369,517,555
Less:			
Debt Service	183,460,985	174,018,835	190,597,795
Fund Balance Transfer	-	-	-
Transfer to Capital Improvement Fund	36,200,000	36,200,000	15,000,000
Capital Outlay	1,671,525	1,719,720	1,655,500
Total Operating & Maintenance Expense	144,071,100	166,305,620	162,264,260
Divided by Days	365	365	365
Daily Operating Expense	\$ 394,715	\$ 455,632	\$ 444,560

**Regional Water System  
Capital Improvement Fund  
9/30/2021**

**Projected Balance:**

Fund Balance - 07/31/21	\$ 142,243,159
Remaining Payments to be made on Authorized Projects	\$ (124,602,399)
Balance Available for Future Projects	\$ 17,640,760
Remaining Budgeted Transfers from Operating Fund	\$ 6,033,333
Payment from GTUA:	
72-inch Texoma Pipeline Improvements - Project 469, AM# 5057	\$ 709,148
Payment from the City of Irving:	
Chapman Raw Water Pipeline - Project 388, CA#20-07-03	\$ 87,558
Chapman Raw Water Pipeline - Project 388, EAR July 2020	\$ 15,483
Payment from Collin County	
Park Road Expansion - Project 573, AM #5625	\$ 10,000
Park Road Expansion - Property, AM #5685	\$ 210,900
Projects to be Considered for Award	\$ (9,641,000)
Balance Available for Future Projects - 09/30/21	\$ 15,066,183
Transfers from Operating Fund	\$ 15,000,000
Bond Funding: SWIFT Reimbursement	\$ -
Projects to be Considered for Award	\$ (15,001,000)
Balance Available for Future Projects - 9/30/22	<u>\$ 15,065,183</u>

**Historical Balances:**

<b>Fiscal Year</b>	<b>Balance</b>	<b>Unencumbered Balance</b>	<b>Targeted Unencumbered Balance</b>
2016	\$ 101,226,038	\$ 43,155,575	\$ 26,109,048
2017	\$ 116,901,905	\$ 19,596,344	\$ 20,478,982
2018	\$ 159,460,250	\$ 50,076,168	\$ 14,687,728
2019	\$ 163,033,605	\$ 56,331,990	\$ 15,109,170
2020	\$ 158,489,565	\$ 35,982,230	\$ 13,903,003

\*2021 target unencumbered balance is \$15,066,183

### Regional Water System Contingency Fund

9/30/2021

	2020-21 Original	2020-21 Amended	2021-22 Proposed
<b>Fund Balance:</b>			
Beginning Balance	\$ 24,123,373	\$ 24,192,617	\$ 15,192,617
Transfer from Operating	-	-	1,200,000
Budget Methodology (Variable Reductions)	(5,200,745)	(6,000,000)	(5,647,840)
February 2021 Weather Event (Borrowing from Systems)		(3,000,000)	750,000
Ending Balance	<u>\$ 18,922,628</u>	<u>\$ 15,192,617</u>	<u>\$ 11,494,777</u>

### Historical Balances:

Fiscal Year	Ending Balance
2016	\$ 18,934,610
2017	\$ 19,099,864
2018	\$ 19,423,373
2019	\$ 23,902,427
2020	\$ 24,192,617

Note: The Contingency Fund has been established pursuant to Bond Resolutions to fund unexpected or extraordinary system expenses. The required minimum balance is \$20,000,000. The contingency fund can be used to cover variable costs for rebates. In the event paying out rebates draws the fund below the minimum balance it will be replenished immediately as funds become available.

### Regional Water System Rate Stabilization Fund

9/30/2021

	2020-21 Original	2020-21 Amended	2021-22 Proposed
<b>Fund Balance:</b>			
Beginning Balance	\$ 6,600,000	\$ 6,603,385	\$ 4,053,385
Transfer from Operating Fund	-	-	-
Transfer to Operating Fund	(2,550,000)	(2,550,000)	(3,000,000)
Ending Balance	\$ 4,050,000	\$ 4,053,385	\$ 1,053,385

### Historical Balances:

Fiscal Year	Ending Balance
2019	\$ -
2020	6,603,385

Note: The Rate Stabilization Fund has a maximum balance of \$7,000,000.

East Fork Raw Water Supply (The Wetlands)





## Regional Water System Facilities

### 5330 – Plant Operations

Plant Operations provides for the operation and maintenance of the four water treatment plants and the raw water pumping facilities located in Wylie. The WTPs currently have a maximum capacity of 840 MGD. The Wylie complex also operates one of the largest ozonation treatment facilities in the world and is currently undergoing conversion to biologically active filtration, which is estimated to be completed by 2021. Raw water from Lavon Lake, Lake Texoma, Chapman Reservoir, the Tawakoni Raw Water Supply Project and the East Fork Raw Water Supply Project is treated at the Wylie WTP. Safe, dependable, potable drinking water meeting all federal and state standards is treated in Wylie and then transported to Member Cities and Customers.

### 5331 – Texoma Pump Station

The Texoma Pump Station consists of a pump station at Lake Texoma and a 25 mile, 72-inch pipeline from Lake Texoma connecting to a balancing reservoir near Howe, TX. From the balancing reservoir, a 46-mile 96/84-inch pipeline conveys the water by gravity to blending facilities at the Wylie WTP where the Texoma water is mixed with Lavon Lake water. Transport of the water directly to the Wylie WTP is a federal and state requirement due to the presence of zebra mussels in Lake Texoma. The 96/84-inch pipeline can convey approximately 125 MGD to the Wylie WTP with average conveyance expected to be about 75 MGD.

### 5332 – Chapman Pump Station

The Chapman Pump Station has a maximum capacity of 55 MGD. Raw water is transferred from Chapman Reservoir to Lavon Lake through a 39-mile, 84-inch diameter pipeline. Raw water from Chapman Reservoir is treated at the Wylie WTP.

### 5333 – Tawakoni Pump Station and Water Treatment Plant

The Tawakoni Pump Station and Water Treatment Plant provides for the operation and maintenance of the Tawakoni Raw Water Supply Project pump stations, pipeline facilities and the WTP. The facilities consist of a lake pump station, an intermediate pump station, 12 miles of 60-inch diameter pipeline, 18 miles of 54-inch diameter pipeline and a 30 MGD WTP. The pump station and raw water pipeline system has a maximum capacity of 75 MGD.

Raw water is diverted from Lake Tawakoni via an existing intake structure acquired from the City of Terrell and treated at the Tawakoni WTP. Raw water can also be delivered through the lake pump station into a 60-inch pipeline that terminates at an above grade ground storage reservoir at the intermediate pump station site. The intermediate pump station re-pumps water from the ground storage reservoir through a 54-inch pipeline to the 84-inch East Fork Raw Water Supply Project Pipeline. Lake Tawakoni water is blended with water from the East Fork Water Supply Project in the 84-inch East Fork Water Supply Project Pipeline and transported to Lavon Lake. Blended raw water from Lake Tawakoni and the East Fork Raw Water Supply Project is discharged into the Pilot Grove arm of Lavon Lake. The water is treated at the Wylie WTP.

### 5334 – East Fork Raw Water Supply (The Wetlands)

The East Fork Raw Water Supply facilities consist of a diversion pump station, constructed wetlands, a conveyance pump station and 44 miles of 84-inch diameter pipeline. Water is diverted out of the East Fork of the Trinity River via the diversion pump station into a 2,000 acre wetlands. Diverted river water flows through the various wetland cells and is collected in a pool at the south end of the project. Water collected in the pool is pumped via the conveyance pump station through the 84-inch pipeline to the Pilot Grove arm of Lavon Lake. Raw water from the East Fork Water Supply Project is blended with water in Lavon Lake and treated at the Wylie WTP.

### 5335 – Bonham Water Treatment Plant

The Bonham Water Treatment Plant provides for the operation and maintenance of the Bonham Water Treatment Plant, raw water pumping facilities and raw water pipeline. The water treatment plant has a maximum capacity of 6.6 MGD. Raw water is transferred from Lake Bonham through an intake structure to the raw water pump station then to the WTP via a raw water pipeline. Potable water meeting all state and federal standards is produced at the Bonham WTP.

### 5336 – Bois d'Arc Lake

The Bois d'Arc Lake provides for the operation and maintenance of the Bois d'Arc Lake 90-foot dam, spillway, discharge channel, pump station and other District-owned lake facilities. The impounding of water began in early 2021 and it is expected to take about two years, depending on rainfall, to fill the lake to an operational level and for the District to begin delivering water in 2022 with a firm yield of 108 MGD.



**5337 – Leonard Water Treatment Plant**

The Leonard Water Treatment Plant provides for the operation and maintenance of the Leonard Water Treatment Plant, raw water pumping facilities, 35-mile raw water pipeline and storage reservoir that will be commissioned in 2021. The Leonard WTP will have an initial capacity of 70 MGD.

**5338 – Transmission System**

The Transmission System provides for the operation and maintenance of treated water transmission pipelines and associated valves, pump stations, delivery points, ground storage tanks, easements and related infrastructure.

## Plant Operations

### Overview

The Plant Operations department is responsible for the operation and maintenance of four water treatment plants at the Wylie, Texas Complex (total nominal treatment capacity of 770 MGD) and the operation of the NTMWD Transmission System to meet and/or exceed water quality regulatory standards. The Wylie Complex treats raw water from Lavon Lake, Lake Texoma, Chapman Reservoir, Lake Tawakoni and the East Fork Water Reuse Project. In addition, the department is responsible for sustaining these assets through maintenance and asset management programs to ensure reliable and continuous service to our customers in order to meet system demands for 1.8 million people.

Plant Operations is tasked with managing the District's raw water conveyance and water rights accounting activities as well as customer treated water consumption reporting. The department is also responsible for managing the NTMWD Watershed Protection Program. The goal of the Watershed Protection Program is to protect and improve the quality of NTMWD water resources by working closely with stakeholders to identify and implement watershed best management strategies. The Water Conservation Program strives to make efficient use of existing water resources through the implementation of technologies and programs that reduce per capita water consumption.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### **Service: Provide superior water, wastewater and solid waste services today and tomorrow**

- Continuously optimize the water treatment process to meet water quality goals as source water conditions change.
- Adopt and implement a Preventive Maintenance plan that increases the reliability, efficiency and awareness of our critical assets.
- Develop and implement maintenance strategies that improve asset life cycle cost and increase asset availability.
- Implement an enhanced multi-year Operations and Maintenance Plan.
- Exceed minimum regulatory requirements for quality of water treated and delivered to Member Cities and Customers.

#### **Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Manage the conveyance and transmission systems efficiently to minimize cost as operational conditions allow.
- Evaluate watershed Best Management Practices (BMP) that may provide cost avoidance by delaying water quality degradation and subsequent water treatment enhancements.
- Utilize current in-house technologies to develop analytical tools to improve our operations of the transmission system.
- Implement water conservation strategies to result in the most efficient use of existing water supplies.

#### **Partnership: Actively collaborate with members, customers, partners, employees and stakeholders**

- Operate the treatment plants and transmission system to provide our consumers with water quality that meets and/or exceeds regulatory requirements.
- Coordinate with Members Cities, Customers and partner agencies to meet all system demands throughout the year.
- Cultivate partnerships to develop watershed protection plans and implement BMPs.
- Promote and provide presentations and tours of the East Fork Water Reuse Project and the John Bunker Sands Wetland Center, the Wylie Water Treatment Plant and the Environmental Service Building.

#### **People: Build a talented, competent and committed team**

- Continue staff development through internal and external training programs that enhance the knowledge and skill sets of employees.

## Major Budget Drivers

- Chemicals
- Personnel
- Power
- Maintenance
- Water Quality
- Regulatory Compliance

## Position Summary

Plant Operations			
Full-Time Positions	FY21	FY22	Difference
Administrative Technician	1.0	1.0	-
Asset Risk Manager	1.0	1.0	-
Assistant Deputy (Water)	1.0	-	(1.0)
Assistant Deputy (Water Resources)	-	1.0	1.0
Assistant Deputy (Water Treatment & Conveyance)	-	1.0	1.0
Assistant to the Water Plant Supervisor	1.0	1.0	-
Assistant Water System Manager - Transmission	1.0	-	(1.0)
Assistant Water System Manager - Treatment	1.0	2.0	1.0
Bois d'Arc Lake Operation Manager	1.0	-	(1.0)
Chemical System Maintenance Coordinator	1.0	1.0	-
Chief Control Room Operator	4.0	4.0	-
Information Systems Assistant - Transmission	1.0	1.0	-
Information Systems Assistant - Wylie WTP	1.0	1.0	-
Lead Water Plant Operator	4.0	4.0	-
Maintenance Worker	1.0	1.0	-
Professional Engineer	2.0	1.0	(1.0)
Professional Engineer - Special Projects & Water	1.0	1.0	-
Shift Supervisor	4.0	4.0	-
Trainer / Lead Operator	1.0	1.0	-
Water Operations Technical Support Manager	1.0	-	(1.0)
Water Plant Mechanic	3.0	3.0	-
Water Plant Operator II	25.0	25.0	-
Water Plant Operator III	19.0	19.0	-
Water Plant Supervisor III	1.0	1.0	-
Water Quality Technician	1.0	1.0	-
Water Resource Assistant	1.0	-	(1.0)
Water Resource Program & Public Education Manager	1.0	-	(1.0)
Water System Manager	1.0	1.0	-
Water Transmission System Manager	1.0	1.0	-
Water Treatment Plant Manager - Wylie	1.0	-	(1.0)
Watershed Manager	1.0	1.0	-
<b>Total Full-Time Positions</b>	<b>83.0</b>	<b>78.0</b>	<b>(5.0)</b>

## Expense Detail

Plant Operations	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 5,309,626	\$ 5,888,085	\$ 5,147,110	\$ 5,334,445	\$ (553,640)	-9.40%
511060 - Overtime	525,575	535,000	535,000	540,000	5,000	0.93%
512000 - Social Security	427,862	443,990	428,500	402,360	(41,630)	-9.38%
513000 - Workers' Comp Ins	136,979	133,995	125,250	119,410	(14,585)	-10.88%
513010 - Unemployment Ins	3,927	-	-	-	-	0.00%
513020 - Hospitalization Ins	1,032,200	1,141,125	1,007,390	1,048,585	(92,540)	-8.11%
513040 - Dental Ins	49,709	54,995	50,105	48,180	(6,815)	-12.39%
513060 - Life Ins	12,840	15,445	12,915	12,800	(2,645)	-17.13%
514000 - Retirement	678,910	678,990	678,990	757,915	78,925	11.62%
514010 - Retiree - Insurance	118,445	118,460	344,215	212,120	93,660	79.06%
514020 - Comp Absences-vac.	41,335	24,985	24,985	71,645	46,660	186.75%
514030 - Comp Absences-sick	65,595	28,445	28,445	-	(28,445)	-100.00%
515000 - Cell Phone Stipend	28,200	32,640	29,960	31,680	(960)	-2.94%
<b>Personnel Total</b>	<b>\$ 8,431,204</b>	<b>\$ 9,096,155</b>	<b>\$ 8,412,865</b>	<b>\$ 8,579,140</b>	<b>\$ (517,015)</b>	<b>-5.68%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 7,371	\$ 20,715	\$ 20,715	\$ 8,340	\$ (12,375)	-59.74%
520110 - Computer Supplies	43,758	87,075	89,675	76,275	(10,800)	-12.40%
520200 - Xerox Supplies	11,885	14,000	14,000	5,000	(9,000)	-64.29%
520300 - Clothing Supplies	30,663	49,400	49,400	45,800	(3,600)	-7.29%
520600 - Fuel, Oil and Lube	18,945	22,800	22,800	22,800	-	0.00%
520700 - Machine Oil & Lube	32,944	23,270	23,270	23,270	-	0.00%
520800 - Small Tools & Equip	20,486	76,935	76,935	30,745	(46,190)	-60.04%
521000 - Laboratory Supplies	90,676	69,030	69,030	68,250	(780)	-1.13%
521110 - Safety Supplies	117,618	169,860	170,065	141,120	(28,740)	-16.92%
521200 - Chem - Other	106,348	55,990	96,150	80,935	24,945	44.55%
521201 - Chem - Lime	653,851	1,011,655	809,670	993,915	(17,740)	-1.75%
521202 - Chem - Ferric Sulfate	14,798,835	15,531,520	18,423,685	20,288,665	4,757,145	30.63%
521203 - Chem - Chlorine	1,145,826	1,391,410	1,868,745	2,555,205	1,163,795	83.64%
521204 - Chem - Ammonia	195,453	385,205	392,190	475,055	89,850	23.33%
521205 - Chem - Fluoride	95,805	403,025	410,305	458,145	55,120	13.68%
521209 - Chem - Polymers	513,516	1,050,565	743,305	935,710	(114,855)	-10.93%
521214 - Chem - Caustic	10,856,996	12,342,110	11,299,115	11,545,055	(797,055)	-6.46%
521216 - Chem - Sodium Chlorite	1,916,383	3,092,680	2,373,415	2,560,200	(532,480)	-17.22%
521218 - Chem - Liquid Oxygen	561,914	1,315,150	2,068,565	3,348,080	2,032,930	154.58%
521300 - Botanical Supplies	321	475	475	475	-	0.00%
521400 - Electrical Supplies	786,494	464,200	493,700	460,200	(4,000)	-0.86%
521500 - Mechanical Supplies	697,651	535,000	535,000	535,000	-	0.00%
521600 - Pipeline Supplies	25,247	-	-	-	-	0.00%
521700 - Building Supplies	36,525	88,000	88,000	92,000	4,000	4.55%
521900 - Vehicle Supplies	9,190	12,930	12,930	13,245	315	2.44%
521910 - Tires and Tubes	2,295	7,870	7,870	8,210	340	4.32%
522000 - Equipment Supplies	313,498	271,190	241,690	271,540	350	0.13%
522200 - Road Maintenance Supp	84,095	123,500	123,500	99,750	(23,750)	-19.23%
523000 - Other Supplies	266	75,000	75,000	100,000	25,000	33.33%
<b>Supplies Total</b>	<b>\$33,174,856</b>	<b>\$38,690,560</b>	<b>\$ 40,599,200</b>	<b>\$ 45,242,985</b>	<b>\$ 6,552,425</b>	<b>16.94%</b>

## Expense Detail (continued)

Plant Operations	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
530300 - Automotive Insurance	\$ 14,067	\$ 13,360	\$ 13,360	\$ 16,880	\$ 3,520	26.35%
530400 - Fire & Exten Cov Ins	426,119	504,270	504,270	678,715	174,445	34.59%
530900 - General Liability Ins	125,240	184,135	184,135	193,575	9,440	5.13%
531000 - Telephone	6,105	8,400	8,400	8,400	-	0.00%
531020 - Internet Service	24,707	35,880	35,880	36,540	660	1.84%
531100 - Electric Power	2,728,766	3,864,000	14,157,965	4,185,000	321,000	8.31%
531200 - Bank Service Fees	3,241	3,500	3,500	3,500	-	0.00%
531300 - Engin/Consultant Svc	1,543,569	1,556,000	1,481,000	1,341,000	(215,000)	-13.82%
531310 - Special Studies & Rpts	414,379	112,500	112,500	100,000	(12,500)	-11.11%
531320 - Water Conservation Prog	1,712,988	2,000,420	2,000,420	2,000,420	-	0.00%
531400 - Legal Service	163,511	250,000	250,000	250,000	-	0.00%
531410 - Legal Service, P.A.	-	-	6,600,000	-	-	0.00%
531500 - Planning & Development	3,199	3,600	3,600	15,000	11,400	316.67%
531600 - Printing & Binding	1,472	1,045	1,045	500	(545)	-52.15%
531700 - Advertising	2,175	4,750	4,750	4,400	(350)	-7.37%
531800 - Rent or Lease Payment	61,747	40,000	40,000	57,000	17,000	42.50%
531810 - Demurrage	46,750	75,000	75,000	100,000	25,000	33.33%
531900 - Travel and Training	84,356	119,960	117,155	104,800	(15,160)	-12.64%
532000 - Mem & Subscriptions	59,689	64,745	64,745	98,585	33,840	52.27%
532100 - Vehicle Maint	5,950	4,505	4,505	4,505	-	0.00%
532110 - Veh Maint by RSWS	7,875	7,960	7,960	7,960	-	0.00%
532200 - Equipment Maintenance	803,032	948,500	948,500	1,274,400	325,900	34.36%
532210 - Special Maintenance	829,162	8,834,250	7,289,250	8,380,750	(453,500)	-5.13%
532230 - Facilities Maintenance	507,332	605,500	605,500	605,500	-	0.00%
532300 - Postage	70	300	300	300	-	0.00%
532600 - Lake Maintenance	507,636	676,000	676,000	685,000	9,000	1.33%
532850 - Building Maintenance	838	1,500	1,500	46,500	45,000	3000.00%
532900 - Electrical Sys Maint	446,791	425,670	425,670	425,670	-	0.00%
533000 - Other Services	51,422	27,800	27,800	21,200	(6,600)	-23.74%
533010 - Texoma O & M Cost	2,557	-	-	-	-	0.00%
533030 - Contractual Safety Serv	30,205	269,800	269,800	265,800	(4,000)	-1.48%
533500 - Lab Svc - Contract	72,022	188,150	188,150	163,150	(25,000)	-13.29%
533900 - Permits, Ins, & Lic Fees	47,241	40,000	40,000	40,000	-	0.00%
534000 - Uninsured losses	26,930	1,000	1,000	1,000	-	0.00%
534200 - Plant Security Services	380,927	428,900	428,900	437,000	8,100	1.89%
Shared Services	25,429,549	22,740,855	22,740,855	24,652,185	1,911,330	8.40%
<b>Services Total</b>	<b>\$36,571,619</b>	<b>\$44,042,255</b>	<b>\$ 59,313,415</b>	<b>\$ 46,205,235</b>	<b>\$ 2,162,980</b>	<b>4.91%</b>

## Expense Detail (continued)

Plant Operations	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 88,238	\$ 77,000	\$ 77,000	\$ 59,000	\$ (18,000)	-23.38%
540500 - Machinery	188,008	1,007,000	1,007,000	835,000	(172,000)	-17.08%
542000 - Other Capital Outlay	106,100	240,000	240,000	190,000	(50,000)	-20.83%
<b>Capital Outlay Total</b>	<b>\$ 382,345</b>	<b>\$ 1,324,000</b>	<b>\$ 1,324,000</b>	<b>\$ 1,084,000</b>	<b>\$ (240,000)</b>	<b>-18.13%</b>
<b>Grand Total</b>	<b>\$78,560,024</b>	<b>\$93,152,970</b>	<b>\$109,649,480</b>	<b>\$101,111,360</b>	<b>\$ 7,958,390</b>	<b>8.54%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$7,958,390 from the FY21 Original Budget. Major variances are explained below:

- Chemicals increased due to higher bids on new contracts.
- Equipment Maintenance increased as a result of Plant II wet scrubber rehab and an increase to the maintenance contract to include wet/dry scrubber maintenance.
- Electric Power increased based on demand and higher prices.
- Shared Services increased due to higher allocated costs from the Shared Services Fund.



## Texoma Pump Station

### Overview

The Texoma Pump Station system serves to transfer raw water from Lake Texoma to the Wylie WTP. The Transmission System Department manages this system, which consists of a pump station at Lake Texoma and approximately 25 miles of 72-inch pipeline from Lake Texoma connecting to a balancing reservoir near Howe, Texas. From the balancing reservoir, an approximately 46-mile 96/84-inch pipeline conveys the water by gravity to blending facilities at the Wylie WTP, where the Texoma water is mixed with raw water from Lavon Lake. Transport of the water directly to the Wylie WTP is a federal and state requirement due to the presence of zebra mussels in Lake Texoma. The 84-inch pipeline can convey approximately 125 MGD to the Wylie WTP with average conveyance expected to be about 75 MGD. The use of the pipeline to Wylie began in May 2014. The District shares operations and maintenance costs with the Greater Texoma Utility Authority (GTUA) on an 80% to 20% basis for the pump station and pipeline from the pump station to the City of Sherman WTP.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### **Service: Provide superior water, wastewater and solid waste services today and tomorrow**

- Preserve assets by performing targeted assessments using state of the industry technologies, then establish short-term and long-term, proactive measures to address results.
- Continue the maintenance and replacement of combination air release valves (CAVs) on an annual, programmed basis.
- Monitor and mitigate the silting of the intake channel and the lake in general.
- Implement system risk reduction strategies where appropriate and cost effective.
- Understand the effects of seasonal variations in Lake Texoma raw water and on the water that passes through the balancing reservoir.
- Improve predictive/preventative maintenance techniques.

#### **Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Effectively manage corrosion within the system.
- Enhance and improve asset management initiatives to preserve and make informed decisions on repairing, replacing and maintaining equipment and facilities.
- Safeguard our natural resources through understanding of regulations and potential hazards, especially as they relate to zebra mussel and reservoir (dam) management.

#### **Partnership: Actively collaborate with members, customers, partners, employees and stakeholders**

- Partner with Member Cities and Customers, especially with GTUA and primary/essential customers.
- Continue to develop an understanding of water quality needs for primary customers.
- Engage with operational staff of the City of Sherman to increase awareness and understanding of one another's systems.
- Develop relationships with other governmental and private entities where interests and needs overlap, especially the Grayson County Emergency Management staff and officials, as well as other entities involved with Lake Texoma.

#### **People: Build a talented, competent and committed team**

- Participate actively and enthusiastically in understanding of the unique requirement of this raw water system.

### Major Budget Drivers

- Power costs
- Infrastructure assessment, maintenance, improvements and repairs

## Expense Detail

Texoma Pump Station	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520700 - Machine Oil & Lube	\$ 5,101	\$ 7,200	\$ 7,200	\$ 7,890	\$ 690	9.58%
521110 - Safety Supplies	-	500	500	500	-	0.00%
521400 - Electrical Supplies	1,731	42,950	42,950	15,000	(27,950)	-65.08%
521500 - Mechanical Supplies	2,095	1,000	1,000	2,000	1,000	100.00%
521600 - Pipeline Supplies	29,057	48,000	48,000	47,580	(420)	-0.88%
521700 - Building Supplies	-	3,000	3,000	23,000	20,000	666.67%
<b>Supplies Total</b>	<b>\$ 37,984</b>	<b>\$ 102,650</b>	<b>\$ 102,650</b>	<b>\$ 95,970</b>	<b>\$ (6,680)</b>	<b>-6.51%</b>
<b>Services</b>						
531000 - Telephone	\$ 2,004	\$ 2,000	\$ 2,000	\$ 2,400	\$ 400	20.00%
531100 - Electric Power	1,034,227	1,380,000	1,934,435	1,395,000	15,000	1.09%
531103 - Recov-GTUA Power	(123,290)	(180,000)	(180,000)	(180,000)	-	0.00%
533000 - Other Services	8,374	61,320	61,320	180,355	119,035	194.12%
533030 - Contractual Safety Serv	1,124	2,000	2,000	2,000	-	0.00%
Shared Services	648,686	604,055	604,055	521,405	(82,650)	-13.68%
<b>Services Total</b>	<b>\$1,571,125</b>	<b>\$1,869,375</b>	<b>\$2,423,810</b>	<b>\$1,921,160</b>	<b>\$ 51,785</b>	<b>2.77%</b>
<b>Grand Total</b>	<b>\$ 1,609,109</b>	<b>\$ 1,972,025</b>	<b>\$ 2,526,460</b>	<b>\$ 2,017,130</b>	<b>\$ 45,105</b>	<b>2.29%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$45,105 from the FY21 Original Budget. Major variances are explained below:

- Other Services increased due to a roof replacement, pipe bridge painting, right of way mowing and aerial surveillance.
- Building Supplies increased for the repair and replacement of two inoperable exhaust fans.
- Shared Services allocation decreased for FY22.

## Chapman Pump Station

### Overview

The Chapman Pump Station system serves to transfer raw water from Lake Chapman (originally named Cooper Lake) to Lavon Lake. The Transmission Department manages this system, which consists of a pump station at Lake Chapman with the maximum capacity of 55 MGD. Raw water is transferred from Chapman Reservoir to Lavon Lake through a 39-mile, 84-inch diameter pipeline. The pump station and pipeline have been in operation since the mid-90's and the District shares operations and maintenance (O&M) costs with the City of Irving on a 50% to 50% basis for the pump station and pipeline, which for the District discharges into Lavon Lake at Hickory Creek in the northeast reaches of Lavon Lake. Water Rights and O&M cost responsibilities at Lake Chapman are also shared with the Upper Trinity Water Region Water District (UTRWD) and the Sulfur River Municipal Water District.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### **Service: Provide superior water, wastewater and solid waste services today and tomorrow**

- Preserve assets by performing targeted assessments using state-of-the-industry technologies, then establish short and long-term, proactive measures to address results.
- Continue the maintenance and replacement of combination air release valves (CAVs) on an annual, programmed basis.
- Address easement maintenance and access on an annual basis.
- Provide redundancy where appropriate and cost effective.
- Improve predictive/preventative maintenance techniques.

#### **Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Effectively manage corrosion within the system.
- Monitor and mitigate the silting of the intake channel and the lake in general.
- Develop and improve additional asset management initiatives to preserve and make informed decisions on repairing, replacing and maintaining.
- Safeguard our natural resources through understanding of potential hazards, especially as they relate to zebra mussels and their impact on reservoir (dam) management.

#### **Partnership: Actively collaborate with members, customers, partners, employees and stakeholders**

- Collaborate with system partners through quarterly O&M committee meetings.
- Engage with operational staff of the City of Irving and UTRWD to increase awareness and understanding of one another's systems.
- Develop relationships with other governmental and private entities where interests and needs overlap, including property owners along the pipeline route.

#### **People: Build a talented, competent and committed team**

- Participate actively and enthusiastically in the understanding of the unique requirements of this raw water system.

### Major Budget Drivers

- Power costs
- Infrastructure maintenance, improvements and repairs

## Expense Detail

Chapman Pump Station	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520700 - Machine Oil & Lube	\$ 3,408	\$ 5,400	\$ 5,400	\$ 6,560	\$ 1,160	21.48%
521110 - Safety Supplies	44	500	500	500	-	0.00%
521400 - Electrical Supplies	135,839	9,500	9,500	9,500	-	0.00%
521500 - Mechanical Supplies	974	5,000	5,000	5,000	-	0.00%
521600 - Pipeline Supplies	54,277	49,400	44,400	59,180	9,780	19.80%
521700 - Building Supplies	79	42,000	35,000	2,000	(40,000)	-95.24%
522000 - Equipment Supplies	-	2,000	2,000	2,000	-	0.00%
522200 - Road Maint Supplies	-	5,000	5,000	10,000	5,000	100.00%
525000 - Recovery - Supplies	(40,880)	(59,400)	(53,400)	(47,370)	12,030	-20.25%
<b>Supplies Total</b>	<b>\$ 153,740</b>	<b>\$ 59,400</b>	<b>\$ 53,400</b>	<b>\$ 47,370</b>	<b>\$ (12,030)</b>	<b>-20.25%</b>
<b>Services</b>						
531000 - Telephone	\$ 953	\$ 1,200	\$ 1,200	\$ 1,445	\$ 245	20.42%
531100 - Electric Power	1,717,535	2,300,000	2,300,000	2,325,000	25,000	1.09%
531101 - Recov-Sulp Springs Pwr	(58,337)	(100,000)	(100,000)	(100,000)	-	0.00%
531102 - Recov-Irving Power	(920,594)	(1,400,000)	(1,400,000)	(1,400,000)	-	0.00%
531300 - Engin/Consultant Svc	35,158	20,000	20,000	8,500	(11,500)	-57.50%
531400 - Legal Service	832	-	-	-	-	0.00%
532200 - Equipment Maintenance	-	2,500	2,500	8,000	5,500	220.00%
532210 - Special Maintenance	-	2,500	-	5,000	2,500	100.00%
532800 - Grounds Maintenance	(4,368)	67,000	67,000	67,000	-	0.00%
532900 - Electrical Sys Maint	-	5,000	5,000	5,000	-	0.00%
533000 - Other Services	-	10,500	30,500	5,500	(5,000)	-47.62%
533030 - Contractual Safety Serv	1,147	5,500	-	5,500	-	0.00%
533900 - Permits, Ins, & Lic Fees	-	500	500	500	-	0.00%
535000 - Recovery - Contractual	(103,185)	(165,590)	(171,590)	(165,960)	(370)	0.22%
Shared Services	135,250	216,480	216,480	225,475	8,995	4.16%
<b>Services Total</b>	<b>\$ 804,391</b>	<b>\$ 965,590</b>	<b>\$ 971,590</b>	<b>\$ 990,960</b>	<b>\$ 25,370</b>	<b>2.63%</b>
<b>Escrow</b>						
550660 - Rsv for Maintenance	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ -	0.00%
551000 - Recovery - Irving Escrow	(49,990)	(50,000)	(50,000)	(50,000)	-	0.00%
<b>Escrow Total</b>	<b>\$ 50,010</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>0.00%</b>
<b>Grand Total</b>	<b>\$ 1,008,141</b>	<b>\$ 1,074,990</b>	<b>\$ 1,074,990</b>	<b>\$ 1,088,330</b>	<b>\$ 13,340</b>	<b>1.24%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$13,340 from the FY21 Original Budget. Major variances are explained below:

- Electrical Power increased based on forecasted electrical use.
- Equipment Maintenance increased for the cooling water filter rebuild.
- Special Maintenance increased for raw water pump station road maintenance.
- Pipeline Supplies increased due to air valve maintenance and replacements.

## Tawakoni Raw Water Pump Station and Water Treatment Plant

### Overview

The Tawakoni Raw Water Supply Project is responsible for the operation and maintenance of the water treatment plant, 2 pump stations and pipeline facilities. The facilities consist of a lake pump station, an intermediate pump station, 7 miles of 48-inch diameter of treated water pipeline, 7 miles of 42-inch diameter treated water pipeline, 12 miles of 60-inch diameter raw water pipeline, 18 miles of 54-inch raw water pipeline and a 30 MGD water treatment plant.

Raw water is diverted from Lake Tawakoni and conveyed through a 60-inch raw water line to an above grade balancing reservoir located at the water treatment plant site. The water is either treated in the plant or conveyed through the 42- and 48-inch pipelines to an interconnect with the main NTMWD transmission system on the west side of Terrell, Texas. The intermediate pump station re-pumps water from the balancing reservoir through the 54-inch pipeline to the 84-inch East Fork Water Reuse Project Pipeline. Lake Tawakoni water is blended with water from the East Fork Water Reuse Project in the 84-inch East Fork Water Reuse Project Pipeline and transported to Lavon Lake. Blended raw water from Lake Tawakoni and the East Fork Raw Water Reuse Project is discharged into the Pilot Grove arm of Lavon Lake. The water is treated at the Wylie Water Treatment Plant Complex.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### **Service: Provide superior water, wastewater and solid waste services today and tomorrow**

- Continuously optimize the water treatment process to meet water quality goals and regulations as source water conditions change.
- Develop and implement improved maintenance strategies that improves asset life cycle cost and increases asset availability.
- Implement an enhanced multi-year Operations and Maintenance Plan.
- Exceed minimum regulatory requirements for quality of water treated and delivered to Member Cities and Customers.

#### **Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Manage the conveyance and transmission systems efficiently to minimize cost as operational conditions allow.

#### **Partnership: Actively collaborate with members, customers, partners, employees and stakeholders**

- The operation of the Tawakoni facilities provides our customers with water quality that meets and/or exceeds regulatory requirements.
- Meet all system demands throughout the year.

#### **People: Build a talented, competent and committed team**

- Continue staff development through internal and external training programs that enhance the knowledge and skill sets of employees.

### Major Budget Drivers

- Chemicals
- Personnel
- Power
- Maintenance
- Water Quality
- Regulatory Compliance

## Position Summary

Tawakoni Pump Station			
Full-Time Positions	FY21	FY22	Difference
Lead Water Plant Operator	1.0	1.0	-
Water Plant Mechanic	1.0	1.0	-
Water Plant Operator II	6.0	6.0	-
Water Plant Operator III	2.0	2.0	-
Water Plant Supervisor II	1.0	1.0	-
<b>Total Full-Time Positions</b>	<b>11.0</b>	<b>11.0</b>	<b>-</b>

## Expense Detail

Tawakoni Pump Station	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 642,915	\$ 618,180	\$ 607,665	\$ 663,865	\$ 45,685	7.39%
511060 - Overtime	93,355	85,000	85,000	95,000	10,000	11.76%
512000 - Social Security	53,769	47,285	49,885	50,790	3,505	7.41%
513000 - Workers' Comp Ins	23,779	20,250	21,205	18,810	(1,440)	-7.11%
513020 - Hospitalization Ins	161,061	157,840	157,830	167,300	9,460	5.99%
513040 - Dental Ins	7,684	7,905	7,900	7,905	-	0.00%
513060 - Life Ins	1,612	1,670	1,605	1,610	(60)	-3.59%
514000 - Retirement	80,280	79,090	79,090	87,385	8,295	10.49%
514010 - Retiree - Insurance	14,005	13,800	17,430	24,455	10,655	77.21%
514020 - Comp Absences-vacation	-	4,415	4,415	-	(4,415)	-100.00%
514030 - Comp Absences-sick	2,110	9,960	9,960	10,885	925	9.29%
515000 - Cell Phone Stipend	3,520	3,840	3,840	3,840	-	0.00%
<b>Personnel Total</b>	<b>\$ 1,084,089</b>	<b>\$ 1,049,235</b>	<b>\$ 1,045,825</b>	<b>\$ 1,131,845</b>	<b>\$ 82,610</b>	<b>7.87%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 575	\$ 900	\$ 900	\$ 1,700	\$ 800	88.89%
520110 - Computer Supplies	3,902	10,560	6,780	4,000	(6,560)	-62.12%
520200 - Xerox Supplies	-	-	300	600	600	0.00%
520300 - Clothing Supplies	4,238	5,500	5,500	5,500	-	0.00%
520600 - Fuel, Oil and Lube	3,354	4,500	4,500	5,000	500	11.11%
520700 - Machine Oil & Lube	352	1,200	1,200	7,700	6,500	541.67%
520800 - Small Tools & Equip	946	1,000	1,000	1,000	-	0.00%
520900 - Janitorial Supplies	459	-	-	-	-	0.00%
521000 - Laboratory Supplies	12,349	10,340	10,340	20,240	9,900	95.74%
521110 - Safety Supplies	8,772	15,900	15,900	10,050	(5,850)	-36.79%
521200 - Chem - Other	517	41,490	48,415	38,640	(2,850)	-6.87%
521201 - Chem - Lime	179,466	276,530	265,025	361,260	84,730	30.64%
521202 - Chem - Ferric Sulfate	422,389	475,785	550,405	626,820	151,035	31.74%
521203 - Chem - Chlorine	136,707	141,045	180,270	197,720	56,675	40.18%
521204 - Chem - Ammonia	32,173	35,950	40,325	42,315	6,365	17.71%
521205 - Chem - Fluoride	6,536	16,850	18,635	20,760	3,910	23.20%
521209 - Chem - Polymers	53,762	43,920	46,225	53,010	9,090	20.70%
521216 - Chem - Sodium Chlorite	133,860	157,965	163,210	159,590	1,625	1.03%
521218 - Chem - Liquid Oxygen	70,703	109,700	98,370	117,180	7,480	6.82%
521300 - Botanical Supplies	218	500	500	300	(200)	-40.00%
521400 - Electrical Supplies	25,433	35,000	35,000	36,000	1,000	2.86%



## Expense Detail (continued)

Tawakoni Pump Station	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies (continued)</b>						
521500 - Mechanical Supplies	\$ 28,748	\$ 25,000	\$ 25,000	\$ 30,150	\$ 5,150	20.60%
521600 - Pipeline Supplies	3,210	3,000	3,000	8,000	5,000	166.67%
521700 - Building Supplies	16,525	1,000	1,000	9,000	8,000	800.00%
521900 - Vehicle Supplies	1,059	950	950	950	-	0.00%
521910 - Tires and Tubes	-	600	600	600	-	0.00%
522000 - Equipment Supplies	34,741	37,800	37,800	43,380	5,580	14.76%
522200 - Road Maint Supplies	-	1,500	1,500	1,500	-	0.00%
<b>Supplies Total</b>	<b>\$ 1,180,994</b>	<b>\$ 1,454,485</b>	<b>\$ 1,562,650</b>	<b>\$ 1,802,965</b>	<b>\$ 348,480</b>	<b>23.96%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 1,418	\$ 1,435	\$ 1,435	\$ 2,750	\$ 1,315	91.64%
530400 - Fire & Exten Cov Ins	60,024	71,325	71,325	139,810	68,485	96.02%
531000 - Telephone	6,436	6,000	6,000	6,000	-	0.00%
531020 - Internet Service	25,722	25,000	25,000	25,000	-	0.00%
531100 - Electric Power	2,068,872	3,616,000	2,916,000	3,363,900	(252,100)	-6.97%
531130 - Wholesale Water Purch	1,246,027	2,961,045	1,720,960	2,789,070	(171,975)	-5.81%
531300 - Engin/Consultant Svc	-	18,000	18,000	-	(18,000)	-100.00%
531800 - Rent or Lease Payment	5,233	2,000	5,480	4,120	2,120	106.00%
531900 - Travel and Training	1,905	3,700	3,700	3,700	-	0.00%
532000 - Mem & Subscriptions	75	230	230	230	-	0.00%
532100 - Vehicle Maint	1,807	-	-	-	-	0.00%
532110 - Veh Maint by Solid Waste	1,669	1,500	1,500	1,500	-	0.00%
532200 - Equipment Maintenance	127,108	275,200	275,200	182,000	(93,200)	-33.87%
532210 - Special Maintenance	-	10,000	10,000	10,000	-	0.00%
532220 - Pipeline Maintenance	-	7,000	7,000	1,000	(6,000)	-85.71%
532230 - Facilities Maintenance	380	39,000	39,000	137,000	98,000	251.28%
532700 - Radio Maintenance	-	1,000	1,000	-	(1,000)	-100.00%
532800 - Grounds Maintenance	28,105	41,000	41,000	47,000	6,000	14.63%
532900 - Electrical Sys Maint	146,626	300,000	300,000	424,000	124,000	41.33%
533000 - Other Services	22,772	115,520	67,325	121,520	6,000	5.19%
533030 - Contractual Safety Serv	2,324	4,000	4,000	3,500	(500)	-12.50%
533500 - Lab Svc - Contract	8,243	12,400	12,400	12,400	-	0.00%
533900 - Permits, Ins, & Lic Fees	5,584	2,000	2,000	2,000	-	0.00%
534200 - Plant Security Services	-	-	-	25,000	25,000	0.00%
Shared Services	2,926,973	2,488,265	2,488,265	2,403,775	(84,490)	-3.40%
<b>Services Total</b>	<b>\$ 6,687,303</b>	<b>\$10,001,620</b>	<b>\$ 8,016,820</b>	<b>\$ 9,705,275</b>	<b>\$ (296,345)</b>	<b>-2.96%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ -	\$ 38,500	\$ 38,500	\$ 10,500	\$ (28,000)	-72.73%
540800 - Pipeline Equipment	-	-	48,195	-	-	0.00%
<b>Capital Outlay Total</b>	<b>\$ -</b>	<b>\$ 38,500</b>	<b>\$ 86,695</b>	<b>\$ 10,500</b>	<b>\$ (28,000)</b>	<b>-72.73%</b>
<b>Grand Total</b>	<b>\$ 8,952,386</b>	<b>\$12,543,840</b>	<b>\$10,711,990</b>	<b>\$12,650,585</b>	<b>\$ 106,745</b>	<b>0.85%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$106,745 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Wages, Insurance and Retirement costs.
- Chemicals increased based on higher bids and on new contracts.
- Electrical System Maintenance increased as a result of VFD Replacement and increased costs per Maintenance Department.
- Plant Security Services increased due to the purchase of security cameras for the Raw Water Pump Station.

## East Fork Raw Water Supply (The Wetlands)

### Overview

The Wetlands Operations consist of a diversion pump station, constructed wetlands, a conveyance pump station and 44 miles of 84-inch diameter pipeline. Water is diverted from the East Fork of the Trinity River via the diversion pump station and/or the Main Stem Pump Station (MSPS) through 17 miles of 72-inch pipe into a 1,840 acre wetlands. Diverted river water flows through managed wetland cells and is collected in a pool located at the south end of the project. Water collected in the pool is pumped via the conveyance pump station through the 84-inch pipeline to the Pilot Grove arm of Lavon Lake. Raw water from the East Fork Water Reuse Project is blended with water in Lavon Lake and treated at the Wylie Water Treatment Plant Complex.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### Service: Provide superior water, wastewater and solid waste services today and tomorrow

- Maintain a healthy and robust wetlands ecosystem through proper wetlands management and control strategies.
- Ensure treatment performance capabilities of the wetlands through vegetation management and replanting efforts.
- Meet the water supply and water quality objectives of NTMWD.

#### Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency

- Effective wetlands management through the use of best practices to ensure diverted flows provide a thriving ecosystem for the wetlands.

#### Partnership: Actively collaborate with members, customers, partners, employees and stakeholders

- Educational benefits of the project are achieved through collaborative efforts with local and state partners through a variety of programs.
- Provide an inviting and welcoming environment at the John Bunker Sands Wetland Center facility and grounds through thoughtful and proactive maintenance activities.

#### People: Build a talented, competent and committed team

- Continue staff development through internal and external training programs that enhance the knowledge and skill sets of employees.

### Major Budget Drivers

- Personnel
- Maintenance
- Power
- Re-planting aquatic species
- Water Quality

### Position Summary

The Wetlands Operations			
Full-Time Positions	FY21	FY22	Difference
Lead Operator	1.0	1.0	-
Maintenance Worker - Wetlands	5.0	5.0	-
Wetlands Supervisor	1.0	1.0	-
<b>Total Full-Time Positions</b>	<b>7.0</b>	<b>7.0</b>	<b>-</b>

## Expense Detail

The Wetlands Operations	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 355,045	\$ 343,040	\$ 333,830	\$ 364,015	\$ 20,975	6.11%
511060 - Overtime	343	1,500	1,500	1,500	-	0.00%
512000 - Social Security	25,768	26,250	24,325	27,845	1,595	6.08%
513000 - Workers' Comp Ins	12,213	11,235	10,825	10,315	(920)	-8.19%
513020 - Hospitalization Ins	74,916	78,255	75,765	84,585	6,330	8.09%
513040 - Dental Ins	5,044	5,350	4,380	4,180	(1,170)	-21.87%
513060 - Life Ins	914	960	895	920	(40)	-4.17%
514000 - Retirement	40,300	39,690	39,690	47,900	8,210	20.69%
514010 - Retiree - Insurance	7,030	6,925	8,370	13,405	6,480	93.57%
514020 - Comp Absences-vacation	3,035	-	-	-	-	0.00%
515000 - Cell Phone Stipend	1,560	2,880	3,745	3,360	480	16.67%
<b>Personnel Total</b>	<b>\$ 526,168</b>	<b>\$ 516,085</b>	<b>\$ 503,325</b>	<b>\$ 558,025</b>	<b>\$ 41,940</b>	<b>8.13%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ -	\$ 200	\$ 200	\$ 200	-	0.00%
520110 - Computer Supplies	3,188	6,800	6,800	2,610	(4,190)	-61.62%
520300 - Clothing Supplies	4,654	6,000	6,000	5,350	(650)	-10.83%
520600 - Fuel, Oil and Lube	10,465	19,400	19,400	13,400	(6,000)	-30.93%
520630 - Toll Fees	82	-	-	-	-	0.00%
520700 - Machine Oil & Lube	4,649	10,000	10,000	6,500	(3,500)	-35.00%
520800 - Small Tools & Equip	3,029	3,800	3,800	3,800	-	0.00%
520810 - Fire Extinguishers	234	500	500	400	(100)	-20.00%
520820 - Expendable Supplies	4,455	6,000	6,000	6,000	-	0.00%
520900 - Janitorial Supplies	165	200	200	200	-	0.00%
521000 - Laboratory Supplies	435	400	400	450	50	12.50%
521110 - Safety Supplies	3,103	3,500	3,500	3,860	360	10.29%
521300 - Botanical Supplies	1,786	3,500	3,500	2,600	(900)	-25.71%
521400 - Electrical Supplies	58,806	18,000	18,000	29,000	11,000	61.11%
521500 - Mechanical Supplies	25	46,000	46,000	36,000	(10,000)	-21.74%
521600 - Pipeline Supplies	-	4,500	4,500	1,000	(3,500)	-77.78%
521700 - Building Supplies	11,205	12,000	12,000	1,000	(11,000)	-91.67%
521900 - Vehicle Supplies	5,690	1,500	1,500	3,300	1,800	120.00%
521910 - Tires and Tubes	2,290	4,200	4,200	4,200	-	0.00%
522000 - Equipment Supplies	5,257	5,000	5,000	5,000	-	0.00%
522200 - Road Maintenance Supplies	10,337	20,000	20,000	15,000	(5,000)	-25.00%
523000 - Other Supplies	-	1,500	1,500	-	(1,500)	-100.00%
<b>Supplies Total</b>	<b>\$ 129,856</b>	<b>\$ 173,000</b>	<b>\$ 173,000</b>	<b>\$ 139,870</b>	<b>\$ (33,130)</b>	<b>-19.15%</b>

## Expense Detail (continued)

The Wetlands Operations	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
530300 - Automotive Insurance	\$ 6,089	\$ 6,400	\$ 6,400	\$ 7,800	\$ 1,400	21.88%
530400 - Fire & Exten Cov Ins	22,003	26,145	26,145	32,785	6,640	25.40%
531000 - Telephone	6,757	6,900	6,900	6,900	-	0.00%
531020 - Internet Service	1,394	1,440	1,440	1,440	-	0.00%
531100 - Electric Power	1,550,305	2,547,600	2,551,315	2,376,200	(171,400)	-6.73%
531120 - Retail Water Service	335	500	500	500	-	0.00%
531130 - Wholesale Water Purch	3,184,866	3,179,170	3,179,170	3,206,285	27,115	0.85%
531300 - Engin/Consultant Svc	-	5,000	5,000	50,000	45,000	900.00%
531310 - Special Studies & Rpts	205,357	223,000	223,000	185,000	(38,000)	-17.04%
531800 - Rent or Lease Payment	-	1,500	1,500	1,000	(500)	-33.33%
531900 - Travel and Training	2,775	3,700	3,700	3,700	-	0.00%
532100 - Vehicle Maint	9,020	1,500	1,500	1,000	(500)	-33.33%
532110 - Veh Maint by Solid Waste	2,439	4,000	4,000	2,000	(2,000)	-50.00%
532200 - Equipment Maintenance	11,291	216,000	216,000	110,000	(106,000)	-49.07%
532210 - Special Maintenance	-	-	-	5,000	5,000	0.00%
532220 - Pipeline Maintenance	30	30,000	30,000	-	(30,000)	-100.00%
532230 - Facilities Maintenance	2,580	25,500	25,500	15,000	(10,500)	-41.18%
532240 - Nature Center	162,165	204,000	204,000	218,000	14,000	6.86%
532900 - Electrical Sys Maint	25,700	141,000	141,000	99,000	(42,000)	-29.79%
533000 - Other Services	1,215	66,320	66,320	401,500	335,180	505.40%
533020 - Contract Labor	100,000	150,000	150,000	150,000	-	0.00%
533030 - Contractual Safety Serv	1,877	-	-	-	-	0.00%
533500 - Lab Svc - Contract	-	500	500	-	(500)	-100.00%
534000 - Uninsured losses	10,423	-	-	-	-	0.00%
534200 - Plant Security Services	33,585	21,000	21,000	12,000	(9,000)	-42.86%
Shared Services	1,888,294	1,787,185	1,787,185	1,936,515	149,330	8.36%
<b>Services Total</b>	<b>\$ 7,228,501</b>	<b>\$ 8,648,360</b>	<b>\$ 8,652,075</b>	<b>\$ 8,821,625</b>	<b>\$ 173,265</b>	<b>2.00%</b>
<b>Capital Outlay</b>						
540200 - Building	\$ 65,625	\$ 35,000	\$ 35,000	\$ -	\$ (35,000)	-100.00%
540300 - Vehicle Equipment	18,330	-	-	165,500	165,500	0.00%
540700 - Non-Vehicle Equipment	-	18,000	18,000	215,000	197,000	1094.44%
<b>Capital Outlay Total</b>	<b>\$ 83,955</b>	<b>\$ 53,000</b>	<b>\$ 53,000</b>	<b>\$ 380,500</b>	<b>\$ 327,500</b>	<b>617.92%</b>
<b>Grand Total</b>	<b>\$ 7,968,479</b>	<b>\$ 9,390,445</b>	<b>\$ 9,381,400</b>	<b>\$ 9,900,020</b>	<b>\$ 509,575</b>	<b>5.43%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$509,575 from the FY21 Original Budget. Major variances are explained below:

- Non-Vehicle Equipment increased due to the purchase of an additional cell dewatering pump and mower for levees.
- Vehicle Equipment increased as a result of replacing one truck and one tractor.
- Shared Services increased due to higher costs from the Shared Service Fund.
- Other Services increased due to additional trash pick up and a fencing project.

## Bonham Water Treatment Plant

### Overview

The Bonham WTP is responsible for the operation and maintenance of the treatment plant, raw water pumping facilities and raw water pipeline. The WTP has a maximum permitted treatment capacity of 6.6 MGD. The Bonham WTP was the first NTMWD potable water facility to incorporate both ozone and chlorine dioxide to address source water quality issues, a treatment scheme that is now used at all other NTMWD potable water treatment facilities. Raw water is conveyed from Lake Bonham through an intake structure to the raw water pump station then to the water plant via a raw water pipeline.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### Service: Provide superior water, wastewater and solid waste services today and tomorrow

- Continuously optimize the water treatment process to meet water quality goals as source water conditions change.
- Treatment plant operations meets and/or exceeds water quality goals and regulatory standards.
- Develop and implement maintenance strategies that improve asset life cycle cost and increase asset availability.
- Implement an enhanced multi-year Operations and Maintenance Plan.
- Exceed minimum regulatory requirements for quality of water treated and delivered.

#### Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency

- Manage the conveyance system and treatment plant efficiently to minimize cost as operational conditions allow.
- Maximize conveyance system reliability.

#### Partnership: Actively collaborate with members, customers, partners, employees and stakeholders

- Provide customers with water quality that meets and/or exceeds regulatory requirements.
- Meet all system demands throughout the year.

#### People: Build a talented, competent and committed team

- Continue staff development through internal and external training programs that enhance the knowledge and skill sets of employees.

### Major Budget Drivers

- Chemicals
- Personnel
- Maintenance
- Power
- Water Quality
- Regulatory Compliance

### Position Summary

Bonham WTP			
Full-Time Positions	FY21	FY22	Difference
Water Plant Mechanic	1.0	1.0	-
Water Plant Operator II	8.0	8.0	-
Water Plant Operator III	1.0	1.0	-
Water Plant Supervisor I	1.0	1.0	-
<b>Total Full-Time Positions</b>	<b>11.0</b>	<b>11.0</b>	<b>-</b>



## Expense Detail

Bonham WTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 563,373	\$ 613,160	\$ 569,050	\$ 654,525	\$ 41,365	6.75%
511060 - Overtime	82,386	80,000	80,000	85,000	5,000	6.25%
512000 - Social Security	49,526	46,910	47,185	50,070	3,160	6.74%
513000 - Workers' Comp Ins	21,038	20,095	20,160	18,545	(1,550)	-7.71%
513020 - Hospitalization Ins	142,323	153,745	158,335	175,155	21,410	13.93%
513040 - Dental Ins	7,237	7,825	8,490	8,680	855	10.93%
513060 - Life Ins	1,389	1,660	1,515	1,600	(60)	-3.61%
514000 - Retirement	76,040	74,985	74,985	85,920	10,935	14.58%
514010 - Retiree - Insurance	13,265	13,085	45,020	24,045	10,960	83.76%
514020 - Comp Absences-vacation	5,870	12,285	12,285	-	(12,285)	-100.00%
514030 - Comp Absences-sick	1,365	30,110	30,110	-	(30,110)	-100.00%
515000 - Cell Phone Stipend	1,600	2,880	2,880	3,360	480	16.67%
<b>Personnel Total</b>	<b>\$ 965,410</b>	<b>\$ 1,056,740</b>	<b>\$ 1,050,015</b>	<b>\$ 1,106,900</b>	<b>\$ 50,160</b>	<b>4.75%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 752	\$ 550	\$ 550	\$ 550	-	0.00%
520110 - Computer Supplies	1,494	4,000	4,000	2,365	(1,635)	-40.88%
520300 - Clothing Supplies	4,840	7,000	7,000	5,800	(1,200)	-17.14%
520600 - Fuel, Oil and Lube	2,282	2,800	2,800	2,800	-	0.00%
520630 - Toll Fees	16	-	-	-	-	0.00%
520700 - Machine Oil & Lube	360	605	605	5,500	4,895	809.09%
520800 - Small Tools & Equip	431	700	700	700	-	0.00%
520900 - Janitorial Supplies	724	-	-	-	-	0.00%
521000 - Laboratory Supplies	11,894	15,000	15,000	22,700	7,700	51.33%
521110 - Safety Supplies	4,877	12,000	12,000	6,655	(5,345)	-44.54%
521200 - Chem - Other	29,844	15,180	6,600	17,645	2,465	16.24%
521201 - Chem - Lime	43,042	86,800	47,430	49,160	(37,640)	-43.36%
521202 - Chem - Ferric Sulfate	70,320	77,450	89,320	101,555	24,105	31.12%
521203 - Chem - Chlorine	27,317	28,160	30,685	41,900	13,740	48.79%
521204 - Chem - Ammonia	3,992	5,280	5,730	5,020	(260)	-4.92%
521205 - Chem - Fluoride	6,244	2,110	2,810	3,255	1,145	54.27%
521209 - Chem - Polymers	4,316	7,655	7,120	8,685	1,030	13.46%
521216 - Chem - Sodium Chlorite	8,928	39,515	26,845	24,965	(14,550)	-36.82%
521218 - Chem - Liquid Oxygen	12,491	16,740	17,275	15,065	(1,675)	-10.01%
521300 - Botanical Supplies	22	150	150	-	(150)	-100.00%
521400 - Electrical Supplies	22,925	16,600	16,600	32,000	15,400	92.77%
521500 - Mechanical Supplies	2,844	18,950	18,950	159,600	140,650	742.22%
521600 - Pipeline Supplies	-	1,000	1,000	150	(850)	-85.00%
521700 - Building Supplies	455	1,100	1,100	1,100	-	0.00%
521900 - Vehicle Supplies	675	450	450	450	-	0.00%
521910 - Tires and Tubes	-	500	500	500	-	0.00%
522000 - Equipment Supplies	24,450	34,000	34,000	31,300	(2,700)	-7.94%
522200 - Road Maintenance Supplies	-	1,500	1,500	100	(1,400)	-93.33%
523000 - Other Supplies	1,135	1,400	1,400	1,400	-	0.00%
<b>Supplies Total</b>	<b>\$ 286,670</b>	<b>\$ 397,195</b>	<b>\$ 352,120</b>	<b>\$ 540,920</b>	<b>\$ 143,725</b>	<b>36.18%</b>

## Expense Detail (continued)

Bonham WTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
530300 - Automotive Insurance	\$ 1,418	\$ 1,435	\$ 1,435	\$ 2,750	\$ 1,315	91.64%
530400 - Fire & Exten Cov Ins	11,499	13,665	13,665	17,135	3,470	25.39%
531000 - Telephone	3,865	3,500	3,500	3,500	-	0.00%
531020 - Internet Service	1,508	2,100	2,100	2,000	(100)	-4.76%
531100 - Electric Power	68,953	74,100	433,680	74,900	800	1.08%
531300 - Engin/Consultant Svc	-	18,000	18,000	-	(18,000)	-100.00%
531310 - Special Studies & Rpts	-	500	500	-	(500)	-100.00%
531700 - Advertising	449	-	-	-	-	0.00%
531800 - Rent or Lease Payment	780	1,500	1,500	1,000	(500)	-33.33%
531900 - Travel and Training	1,650	3,500	3,500	3,500	-	0.00%
532000 - Mem & Subscriptions	433	570	570	570	-	0.00%
532100 - Vehicle Maint	25	-	-	-	-	0.00%
532110 - Veh Maint by Solid Waste	182	510	510	510	-	0.00%
532200 - Equipment Maintenance	22,214	9,000	9,000	23,000	14,000	155.56%
532210 - Special Maintenance	867	5,000	5,000	3,000	(2,000)	-40.00%
532700 - Radio Maintenance	-	500	500	-	(500)	-100.00%
532800 - Grounds Maintenance	-	-	-	10,640	10,640	0.00%
532900 - Electrical Sys Maint	-	20,000	20,000	33,000	13,000	65.00%
533000 - Other Services	13,287	144,860	144,860	94,040	(50,820)	-35.08%
533030 - Contractual Safety Serv	490	4,000	4,000	4,000	-	0.00%
533500 - Lab Svc - Contract	10,628	13,800	13,800	13,800	-	0.00%
533900 - Permits, Ins, & Lic Fees	3,063	2,100	2,100	2,100	-	0.00%
Shared Services	934,636	787,275	787,275	755,960	(31,315)	-3.98%
<b>Services Total</b>	<b>\$ 1,075,947</b>	<b>\$ 1,105,915</b>	<b>\$ 1,465,495</b>	<b>\$ 1,045,405</b>	<b>\$ (60,510)</b>	<b>-5.47%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ -	\$ 38,500	\$ 38,500	\$ 10,500	\$ (28,000)	-72.73%
<b>Capital Outlay Total</b>	<b>\$ -</b>	<b>\$ 38,500</b>	<b>\$ 38,500</b>	<b>\$ 10,500</b>	<b>\$ (28,000)</b>	<b>-72.73%</b>
<b>Grand Total</b>	<b>\$ 2,328,027</b>	<b>\$ 2,598,350</b>	<b>\$ 2,906,130</b>	<b>\$ 2,703,725</b>	<b>\$ 105,375</b>	<b>4.06%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$105,375 from the FY21 Original Budget. Major variances are explained below:

- Mechanical Supplies increased due to replacement and repairs to basin troughs, flocculator and weirs.
- Personnel increased as a result of higher wages, insurance and retirement costs.
- Shared Services allocation decreased for FY22.



Future Bois d'Arc Lake



## Bois d’Arc Lake Department

### Overview

The Bois d’Arc Lake Department is responsible for oversight and program management of the Bois d’Arc Lake (BDL) Program including the dam, spillway, intake, discharge channel, pump station and NTMWD-owned lake facilities. The department also manages the design and implementation of the programs associated with BDL such as Shoreline Management Plan and Lake Operations Plan. In addition, the department will coordinate with other NTMWD departments, outside agencies and contract program teams in order to meet the standards and qualifications to successfully implement the programs necessary to effectively operate the BDL Program.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### **Service: Provide superior water, wastewater and solid waste services today and tomorrow**

- Opening and operating of the Lake Operations Center and Dam Maintenance Facility.
- Implement the NTMWD approved Shoreline Management Plan.
- Implement the BDL Operations Plan
- Meet or surpass regulatory requirements.

#### **Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Implement the five-year asset management roadmap associated with the Bois d’Arc Lake Program.
- Identify and execute efficiencies in systems, processes and staffing throughout the Bois d’Arc Lake Program.
- Coordinate between Engineering and Operations staff in the implementation and opening of the Bois d’Arc Lake.
- Work with Fannin County, surrounding communities and property owners on implementing a successful Shoreline Management Plan.
- Implement the Emergency Management Plans associated with Bois d’Arc Lake.
- Implement the Shoreline Management Plan and Lake Operations Plan.

#### **Partnership: Actively collaborate with members, customers, partners, employees and stakeholders**

- Continuously work closely with other NTMWD departments and outside agencies to operate efficiently and in compliance with regulations set forth by the governing entities and the NTMWD Board of Directors.
- Increase public awareness of the role, services, resources and value of the NTMWD through regional collaboration and effective use of NTMWD facilities.
- Work on continuing the partnerships with agencies within Fannin County.

#### **People: Build a talented, competent and committed team**

- Continue building the Bois d’Arc Lake Program team.
- Develop, promote and maintain a safety training program for all levels of the workforce associated with the Bois d’Arc Lake Program.
- Provide adequate work spaces and facilities for department employees.

### Major Budget Drivers

- Opening of all BDL facilities
- Final completion of the dam in late 2021
- Personnel
- Equipment / Supplies / Services



## Position Summary

### Bois d'Arc Lake Department

Full-Time Positions	FY21	FY22	Difference
Administrative Technician	-	1.0	1.0
Bois d'Arc Lake Crew Leader	-	1.0	1.0
Bois d'Arc Lake Operations Manager	-	1.0	1.0
Bois d'Arc Lake Operator II	1.0	3.0	2.0
Bois d'Arc Lake Permit Supervisor	1.0	1.0	-
Bois d'Arc Lake Supervisor	1.0	1.0	-
<b>Total Full-Time Positions</b>	<b>3.0</b>	<b>8.0</b>	<b>5.0</b>

## Expense Detail

Bois d'Arc Lake Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ -	\$ 156,595	\$ 224,030	\$ 545,920	\$ 389,325	248.62%
511060 - Overtime	-	-	-	65,000	65,000	0.00%
512000 - Social Security	-	11,980	16,605	41,765	29,785	248.62%
513000 - Workers' Comp Ins	-	5,130	1,895	10,350	5,220	101.75%
513020 - Hospitalization Ins	-	24,050	23,635	80,020	55,970	232.72%
513040 - Dental Ins	-	745	2,775	4,725	3,980	534.23%
513060 - Life Ins	-	435	525	1,350	915	210.34%
514000 - Retirement	15,240	25,765	25,765	70,365	44,600	173.10%
514010 - Retiree - Insurance	2,660	4,495	61,135	19,695	15,200	338.15%
515000 - Cell Phone Stipend	-	480	1,360	2,400	1,920	400.00%
<b>Personnel Total</b>	<b>\$ 17,900</b>	<b>\$ 229,675</b>	<b>\$ 357,725</b>	<b>\$ 841,590</b>	<b>\$ 611,915</b>	<b>266.43%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 1,013	\$ 15,290	\$ 15,290	\$ 12,395	\$ (2,895)	-18.93%
520110 - Computer Supplies	8,058	125,730	124,465	83,275	(42,455)	-33.77%
520200 - Xerox Supplies	-	9,425	9,425	1,000	(8,425)	-89.39%
520300 - Clothing Supplies	-	2,750	2,750	3,320	570	20.73%
520600 - Fuel, Oil and Lube	976	23,000	13,000	25,000	2,000	8.70%
520700 - Machine Oil & Lube	-	3,500	3,500	3,000	(500)	-14.29%
520800 - Small Tools & Equip	1,703	19,520	19,520	37,050	17,530	89.81%
520900 - Janitorial Supplies	-	2,200	2,200	1,300	(900)	-40.91%
521110 - Safety Supplies	2,037	65,320	65,320	59,805	(5,515)	-8.44%
521300 - Botanical Supplies	-	15,000	2,000	5,000	(10,000)	-66.67%
521400 - Electrical Supplies	-	2,000	2,000	5,000	3,000	150.00%
521500 - Mechanical Supplies	-	10,000	-	5,000	(5,000)	-50.00%
521700 - Building Supplies	-	10,000	5,000	16,200	6,200	62.00%
521900 - Vehicle Supplies	201	28,530	28,530	4,930	(23,600)	-82.72%
521910 - Tires and Tubes	862	18,500	3,500	10,000	(8,500)	-45.95%
522000 - Equipment Supplies	4,242	-	-	-	-	0.00%
522200 - Road Maintenance Supplies	-	-	-	33,000	33,000	0.00%
<b>Supplies Total</b>	<b>\$ 19,091</b>	<b>\$ 350,765</b>	<b>\$ 296,500</b>	<b>\$ 305,275</b>	<b>\$ (45,490)</b>	<b>-12.97%</b>

## Expense Detail (continued)

Bois d'Arc Lake Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
530300 - Automotive Insurance	\$ 981	\$ 2,915	\$ 2,915	\$ 2,250	\$ (665)	-22.81%
530400 - Fire & Exten Cov Ins	-	-	-	200,000	200,000	0.00%
530900 - General Liability Ins	-	-	-	100,000	100,000	0.00%
531000 - Telephone	-	4,200	1,200	10,800	6,600	157.14%
531020 - Internet Service	-	27,000	7,000	33,300	6,300	23.33%
531100 - Electric Power	-	446,200	6,200	32,600	(413,600)	-92.69%
531120 - Retail Water Service	-	9,000	1,000	9,600	600	6.67%
531300 - Engin/Consultant Svc	173,884	559,000	559,000	660,000	101,000	18.07%
531400 - Legal Service	-	25,000	25,000	50,000	25,000	100.00%
531490 - Raw Water Development	277,649	-	-	-	-	0.00%
531700 - Advertising	-	2,500	2,500	7,500	5,000	200.00%
531800 - Rent or Lease Payment	-	-	-	8,770	8,770	0.00%
531900 - Travel and Training	1,391	6,785	6,785	16,980	10,195	150.26%
532000 - Mem & Subscriptions	-	1,760	1,760	705	(1,055)	-59.94%
532100 - Vehicle Maint	50	5,840	5,340	4,550	(1,290)	-22.09%
532110 - Veh Maint by Solid Waste	454	5,000	500	2,500	(2,500)	-50.00%
532200 - Equipment Maintenance	-	4,500	-	21,500	17,000	377.78%
532210 - Special Maintenance	-	5,000	-	500	(4,500)	-90.00%
532230 - Facilities Maintenance	-	5,000	-	6,700	1,700	34.00%
532300 - Postage	110	500	500	750	250	50.00%
532400 - Office Equip Maint	-	-	-	1,000	1,000	0.00%
532600 - Lake Maintenance	-	27,000	27,000	25,000	(2,000)	-7.41%
532800 - Grounds Maintenance	-	30,500	2,500	35,000	4,500	14.75%
532850 - Building Maintenance	-	4,300	-	12,000	7,700	179.07%
533000 - Other Services	-	812,500	522,500	301,500	(511,000)	-62.89%
533020 - Contract Labor	100,000	695,000	395,000	63,260	(631,740)	-90.90%
Shared Services	2,189,570	3,124,560	3,075,825	1,805,145	(1,319,415)	-42.23%
<b>Services Total</b>	<b>\$ 2,744,089</b>	<b>\$ 5,804,060</b>	<b>\$ 4,642,525</b>	<b>\$ 3,411,910</b>	<b>\$ (2,392,150)</b>	<b>-41.22%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 69,028	\$ -	\$ -	\$ -	\$ -	0.00%
540700 - Non-Vehicle Equipment	25,650	-	-	50,000	50,000	0.00%
<b>Capital Outlay Total</b>	<b>\$ 94,678</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>0.00%</b>
<b>Grand Total</b>	<b>\$ 2,875,758</b>	<b>\$ 6,384,500</b>	<b>\$ 5,296,750</b>	<b>\$ 4,608,775</b>	<b>\$ (1,775,725)</b>	<b>-27.81%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has decreased by \$1,775,725 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Wages, Insurance and Retirement costs and the addition of two new FTEs.
- Engineering/Consultant Services increased for development of the BDL including Shoreline Management Plan support, aerial surveys, policy development, marina development and water quality monitoring.
- Electric Power decreased based on the estimated usage.
- Other Services decreased relating to lower expected costs for various lake agreements with Fannin County.
- Contract Labor decreased as the need for outsourcing is lower as new staff is hired.
- Shared Services decreased as a result of reallocation of services.



## Leonard Water Treatment Plant

### Overview

The Leonard WTP is a 70 MGD plant (ultimate build-out to 280 MGD) that will be commissioned in 2022. Raw water will be conveyed from BDL through a 90-inch pipeline to a 210 MG terminal storage reservoir located on the Leonard WTP property. Treated water from the Leonard WTP will be conveyed to the north part of the NTMWD north regional transmission system in McKinney, Texas.

The addition of BDL and the Leonard WTP will diversify water supplies and provide additional capacity and reliability to the region's treated water system. Similar to the other treatment facilities, the department is responsible for sustaining plant assets through its maintenance and asset management programs to ensure reliable and continuous service to our customers in order to meet system demands for 1.8 million people.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### Service: Provide superior water, wastewater and solid waste services today and tomorrow

- Continue providing operational input into design and construction activities through startup and commissioning of the plant.
- Develop and implement a proactive Leonard WTP asset management program.
- Coordinate on the development of effective standard operating procedures (SOPs) and operations and maintenance manuals for the plant.

#### Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency

- Onboard initial plant staff and begin training on NTMWD treatment processes.
- Develop risk management and emergency response plans as appropriate for the facility and develop adequate SOPs and training materials for staff.

#### Partnership: Actively collaborate with members, customers, partners, employees and stakeholders

- Cultivate partnerships with surrounding local emergency planning committees on emergency action planning.

#### People: Build a talented, competent and committed team

- Continue staff development through internal and external training programs that enhance the knowledge and skill sets of employees.

### Major Budget Drivers

- Personnel
- Electrical Power
- Chemicals

### Position Summary

Leonard WTP			
Full-Time Positions	FY21	FY22	Difference
Lead Water Plant Operator	2.0	2.0	-
Mechanic's Assistant	-	1.0	1.0
Water Plant Mechanic	-	1.0	1.0
Water Plant Operator II	5.0	8.0	3.0
Water Plant Operator III	-	2.0	2.0
Water Treatment Plant Manager	1.0	1.0	-
<b>Total Full-Time Positions</b>	<b>8.0</b>	<b>15.0</b>	<b>7.0</b>

## Expense Detail

Leonard WTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 74,624	\$ 382,900	\$ 329,625	\$ 845,165	\$ 462,265	120.73%
511060 - Overtime	11,010	-	-	140,000	140,000	0.00%
512000 - Social Security	6,073	29,295	26,660	64,655	35,360	120.70%
513000 - Workers' Comp Ins	2,539	12,560	10,590	23,945	11,385	90.64%
513020 - Hospitalization Ins	20,191	67,775	57,410	146,425	78,650	116.05%
513040 - Dental Ins	816	2,095	2,410	5,170	3,075	146.78%
513060 - Life Ins	170	1,070	790	2,040	970	90.65%
514000 - Retirement	44,500	77,795	77,795	109,720	31,925	41.04%
514010 - Retiree - Insurance	7,765	13,575	154,755	30,705	17,130	126.19%
514020 - Comp Absences-vacation	-	-	-	895	895	0.00%
515000 - Cell Phone Stipend	400	1,320	2,280	5,760	4,440	336.36%
<b>Personnel Total</b>	<b>\$ 168,087</b>	<b>\$ 588,385</b>	<b>\$ 662,315</b>	<b>\$ 1,374,480</b>	<b>\$ 786,095</b>	<b>133.60%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ -	\$ 15,425	\$ 15,425	\$ 7,000	\$ (8,425)	-54.62%
520110 - Computer Supplies	-	38,340	38,340	2,065	(36,275)	-94.61%
520200 - Xerox Supplies	-	16,210	16,210	1,500	(14,710)	-90.75%
520300 - Clothing Supplies	1,316	10,090	10,090	8,500	(1,590)	-15.76%
520600 - Fuel, Oil and Lube	158	3,670	3,670	3,670	-	0.00%
520630 - Toll Fees	15	-	-	-	-	0.00%
520700 - Machine Oil & Lube	-	8,000	8,000	8,000	-	0.00%
520800 - Small Tools & Equip	-	72,240	72,240	10,555	(61,685)	-85.39%
521000 - Laboratory Supplies	-	17,760	17,760	32,960	15,200	85.59%
521110 - Safety Supplies	522	74,280	74,280	14,635	(59,645)	-80.30%
521200 - Chem - Other	-	30,465	-	294,945	264,480	868.14%
521201 - Chem - Lime	-	34,240	-	274,395	240,155	701.39%
521202 - Chem - Ferric Sulfate	-	319,040	-	1,738,745	1,419,705	444.99%
521203 - Chem - Chlorine	-	24,010	-	418,230	394,220	1641.90%
521204 - Chem - Ammonia	-	4,840	-	80,730	75,890	1567.98%
521205 - Chem - Fluoride	-	8,370	-	47,220	38,850	464.16%
521209 - Chem - Polymers	-	18,860	-	198,055	179,195	950.13%
521214 - Chem - Caustic	-	189,295	-	1,117,695	928,400	490.45%
521216 - Chem - Sodium Chlorite	-	58,365	-	342,760	284,395	487.27%
521218 - Chem - Liquid Oxygen	-	22,695	-	130,520	107,825	475.10%
521400 - Electrical Supplies	-	31,000	31,000	31,000	-	0.00%
521500 - Mechanical Supplies	-	10,000	10,000	30,150	20,150	201.50%
521700 - Building Supplies	-	2,500	2,500	1,000	(1,500)	-60.00%
521900 - Vehicle Supplies	71	5,140	5,140	1,500	(3,640)	-70.82%
521910 - Tires and Tubes	-	685	685	685	-	0.00%
522000 - Equipment Supplies	-	34,540	34,540	34,000	(540)	-1.56%
<b>Supplies Total</b>	<b>\$ 2,082</b>	<b>\$ 1,050,060</b>	<b>\$ 339,880</b>	<b>\$ 4,830,515</b>	<b>\$ 3,780,455</b>	<b>360.02%</b>

## Expense Detail (continued)

Leonard Water Treatment	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
530300 - Automotive Insurance	\$ 1,416	\$ 3,110	\$ 3,110	\$ 9,180	\$ 6,070	195.18%
530400 - Fire & Exten Cov Ins	-	200,000	200,000	200,000	-	0.00%
530900 - General Liability Ins	-	-	-	100,000	100,000	0.00%
531000 - Telephone	-	505	505	505	-	0.00%
531020 - Internet Service	-	7,680	7,680	7,680	-	0.00%
531100 - Electric Power	-	270,500	-	1,720,500	1,450,000	536.04%
531600 - Printing & Binding	-	500	500	500	-	0.00%
531700 - Advertising	-	950	950	950	-	0.00%
531800 - Rent or Lease Payment	-	1,500	1,500	7,200	5,700	380.00%
531900 - Travel and Training	1,785	10,000	10,000	7,500	(2,500)	-25.00%
532000 - Mem & Subscriptions	-	1,120	1,120	1,120	-	0.00%
532100 - Vehicle Maint	149	920	920	920	-	0.00%
532110 - Veh Maint by Solid Waste	220	1,000	1,000	1,000	-	0.00%
532200 - Equipment Maintenance	-	10,000	10,000	143,000	133,000	1330.00%
532210 - Special Maintenance	-	52,000	52,000	5,000	(47,000)	-90.38%
532230 - Facilities Maintenance	-	2,000	2,000	10,000	8,000	400.00%
532300 - Postage	-	150	150	150	-	0.00%
532800 - Grounds Maintenance	-	-	-	50,000	50,000	0.00%
533000 - Other Services	-	4,800	4,800	34,800	30,000	625.00%
533030 - Contractual Safety Serv	-	12,300	12,300	16,500	4,200	34.15%
533500 - Lab Svc - Contract	-	-	-	12,400	12,400	0.00%
533900 - Permits, Ins, & Lic Fees	-	40,000	40,000	34,500	(5,500)	-13.75%
Shared Services	2,036,277	2,921,420	2,921,420	4,901,975	1,980,555	67.79%
<b>Services Total</b>	<b>\$ 2,039,847</b>	<b>\$ 3,540,455</b>	<b>\$ 3,269,955</b>	<b>\$ 7,265,380</b>	<b>\$ 3,724,925</b>	<b>105.21%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 102,118	\$ 154,000	\$ 154,000	\$ 60,000	\$ (94,000)	-61.04%
<b>Capital Outlay Total</b>	<b>\$ 102,118</b>	<b>\$ 154,000</b>	<b>\$ 154,000</b>	<b>\$ 60,000</b>	<b>\$ (94,000)</b>	<b>-61.04%</b>
<b>Grand Total</b>	<b>\$ 2,312,135</b>	<b>\$ 5,332,900</b>	<b>\$ 4,426,150</b>	<b>\$ 13,530,375</b>	<b>\$ 8,197,475</b>	<b>153.72%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$8,197,475 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to fully staffing the facility to begin full operations.
- Chemicals increased based on increased quantity needed and higher prices.
- Electrical Power increased due to facility becoming fully operational and increased prices.
- Shared Services increased as a result of reallocation of services.

## Transmission System

### Overview

The Transmission System Department is responsible for all matters pertaining to treated water transmission operations in the District's approximately 2,200 square mile service area. This includes nearly 600 miles of pipelines, with associated valves, pump stations, delivery points, ground storage tanks, easements, electrical, instrumentation and supervisory control and data acquisition (SCADA) and related infrastructure. Transmission oversees the operation, maintenance, administration and improvement of these facilities to provide superior water to Member Cities and Customers, and works to maintain, develop and implement initiatives to improve the reliability and integrity of this infrastructure.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### **Service: Provide superior water, wastewater and solid waste services today and tomorrow**

- Develop a robust asset management program.
- Respond in a timely manner to events impacting water delivery, system components or the environment.
- Optimize water quality through addition of new water quality analyzers.
- Use hydraulic models to enhance system operation.
- Preserve assets by performing targeted assessments using state-of-the-industry technologies, then establish short and long-term, proactive measures to address results.
- Implement system risk reduction strategies where appropriate and cost effective.
- Improve predictive/preventative maintenance techniques.

#### **Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Accurately measure and minimize water loss.
- Economize through effective pumping strategies.
- Effectively manage corrosion within the system.
- Pursue needed capabilities based on understood needs.
- Enhance and improve asset management initiatives to preserve and make informed decisions on repairing, replacing and maintaining equipment and facilities.
- Safeguard our natural resources through understanding of potential hazards.
- Collect and understand appropriate data, coupled with a technical depth of knowledge in order to make the most informed decisions.

#### **Partnership: Actively collaborate with members, customers, partners, employees and stakeholders**

- Partner with Member Cities and Customers in optimizing transmission system water quality.
- Engage with operational staff of constituents to increase awareness and understanding of one another's systems.
- Develop relationships with governmental and private entities where interests and needs overlap.
- Share knowledge and experiences across municipalities and NTMWD departments to develop a broader understanding of all stakeholders.
- Share resources when possible.
- Communicate responsively and effectively.

#### **People: Build a talented, competent and committed team**

- Practice continuous improvement and education, both formally and informally.
- Participate actively and enthusiastically in internal training opportunities.
- Share experiences in order to learn from one another.
- Seek educational opportunities outside the organization.

## Major Budget Drivers

- Power costs, infrastructure maintenance, improvements and repairs

## Position Summary

Transmission Systems Department			
Full-Time Positions	FY21	FY22	Difference
Assistant Water System Manager - Transmission	-	1.0	1.0
Lead Transmission System Operator	2.0	2.0	-
Professional Engineer	-	1.0	1.0
Transmission System Operator II	2.0	2.0	-
<b>Total Full-Time Positions</b>	<b>4.0</b>	<b>6.0</b>	<b>2.0</b>

## Expense Detail

Transmission System Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 156,199	\$ 200,280	\$ 272,510	\$ 491,235	\$ 290,955	145.27%
511060 - Overtime	20,022	48,000	48,000	48,000	-	0.00%
512000 - Social Security	12,937	15,320	22,010	37,465	22,145	144.55%
513000 - Workers' Comp Ins	6,043	6,565	7,185	6,750	185	2.82%
513020 - Hospitalization Ins	46,170	69,510	72,120	107,350	37,840	54.44%
513040 - Dental Ins	2,743	3,645	4,115	5,625	1,980	54.32%
513060 - Life Ins	369	555	685	1,165	610	109.91%
514000 - Retirement	31,225	35,930	35,930	28,980	(6,950)	-19.34%
514010 - Retiree - Insurance	5,445	6,270	6,270	8,110	1,840	29.35%
514020 - Comp Absences-vacation	4,625	1,545	1,545	5,050	3,505	226.86%
515000 - Cell Phone Stipend	1,280	1,440	2,000	2,880	1,440	100.00%
<b>Personnel Total</b>	<b>\$ 287,058</b>	<b>\$ 389,060</b>	<b>\$ 472,370</b>	<b>\$ 742,610</b>	<b>\$ 353,550</b>	<b>90.87%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 240	\$ 1,255	\$ 1,255	\$ 2,285	\$ 1,030	82.07%
520110 - Computer Supplies	3,830	14,130	14,130	12,655	(1,475)	-10.44%
520300 - Clothing Supplies	2,960	3,620	3,620	3,600	(20)	-0.55%
520600 - Fuel, Oil and Lube	9,018	14,130	14,130	13,200	(930)	-6.58%
520630 - Toll Fees	32	100	100	150	50	50.00%
520700 - Machine Oil & Lube	-	2,730	2,730	-	(2,730)	-100.00%
520800 - Small Tools & Equip	8,866	74,000	74,000	36,400	(37,600)	-50.81%
521000 - Laboratory Supplies	6,933	2,895	2,895	6,630	3,735	129.02%
521110 - Safety Supplies	7,099	30,000	30,000	29,550	(450)	-1.50%
521400 - Electrical Supplies	22,866	7,000	7,000	10,000	3,000	42.86%
521500 - Mechanical Supplies	18,059	5,000	5,000	-	(5,000)	-100.00%
521600 - Pipeline Supplies	67,973	18,305	18,305	197,175	178,870	977.16%
521700 - Building Supplies	3,306	7,500	7,500	7,500	-	0.00%
521900 - Vehicle Supplies	4,687	6,230	6,230	6,200	(30)	-0.48%
521910 - Tires and Tubes	2,406	2,055	2,055	2,185	130	6.33%
522000 - Equipment Supplies	5,016	36,605	36,605	28,075	(8,530)	-23.30%
522200 - Road Maint. Supplies	-	8,000	8,000	-	(8,000)	-100.00%
<b>Supplies Total</b>	<b>\$ 163,291</b>	<b>\$ 233,555</b>	<b>\$ 233,555</b>	<b>\$ 355,605</b>	<b>\$ 122,050</b>	<b>52.26%</b>

## Expense Detail (continued)

Transmission Systems Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
530300 - Automotive Insurance	\$ 524	\$ 485	\$ 485	\$ 1,050	\$ 565	116.49%
531020 - Internet Service	45,928	65,520	65,520	65,700	180	0.27%
531100 - Electric Power	6,107,989	5,520,000	14,196,075	7,905,000	2,385,000	43.21%
531300 - Engin/Consultant Svc	465,598	830,000	830,000	935,000	105,000	12.65%
531400 - Legal Service	-	-	-	15,000	15,000	0.00%
531700 - Advertising	-	150	150	150	-	0.00%
531900 - Travel and Training	6,157	9,400	9,400	4,900	(4,500)	-47.87%
532000 - Mem & Subscriptions	218	660	660	660	-	0.00%
532100 - Vehicle Maint	1,626	2,000	2,000	4,000	2,000	100.00%
532110 - Veh Maint by Solid Waste	2,649	1,855	1,855	1,995	140	7.55%
532200 - Equipment Maintenance	-	135,000	135,000	176,000	41,000	30.37%
532210 - Special Maintenance	12,495	10,000	10,000	9,830	(170)	-1.70%
532220 - Pipeline Maintenance	40,037	250,000	250,000	242,240	(7,760)	-3.10%
532230 - Facilities Maintenance	4,093	-	-	-	-	0.00%
532700 - Radio Maintenance	7,429	30,000	30,000	25,000	(5,000)	-16.67%
532800 - Grounds Maintenance	62	23,000	23,000	34,040	11,040	48.00%
532900 - Electrical Sys Maint	-	50,000	50,000	-	(50,000)	-100.00%
533000 - Other Services	80	-	-	-	-	0.00%
533010 - Texoma O & M Cost	117,231	165,845	165,845	481,165	315,320	190.13%
533900 - Permits, Ins, & Lic Fees	1,241	5,000	5,000	5,000	-	0.00%
Shared Services	5,551,467	5,507,550	5,507,550	3,712,450	(1,795,100)	-32.59%
<b>Services Total</b>	<b>\$12,364,823</b>	<b>\$12,606,465</b>	<b>\$21,282,540</b>	<b>\$13,619,180</b>	<b>\$ 1,012,715</b>	<b>8.03%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 34,514	\$ 63,525	\$ 63,525	\$ 60,000	\$ (3,525)	-5.55%
<b>Capital Outlay Total</b>	<b>\$ 34,514</b>	<b>\$ 63,525</b>	<b>\$ 63,525</b>	<b>\$ 60,000</b>	<b>\$ (3,525)</b>	<b>-5.55%</b>
<b>Grand Total</b>	<b>\$12,849,686</b>	<b>\$13,292,605</b>	<b>\$22,051,990</b>	<b>\$15,109,460</b>	<b>\$ 1,816,855</b>	<b>13.67%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$1,816,855 from the FY21 Original Budget. Major variances are explained below:

- Electrical Power increased based on estimated usage.
- Personnel increased due to higher Wages, Insurance and Retirement costs.
- Pipeline Supplies increased to cover air valves and supplies for the reuse pipeline for several pipelines.
- Texoma O&M cost increased to capture identified maintenance activities of the Texoma Raw Water System.
- Shared Services decreased as a result of reallocation of services for FY22.



## Expense Detail

RWS CIF and Debt Service	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Capital Imp Fund</b>	<b>\$ 34,471,001</b>	<b>\$ 36,200,000</b>	<b>\$ 36,200,000</b>	<b>\$ 15,000,000</b>	<b>\$ (21,200,000)</b>	<b>-58.56%</b>
<b>Debt Service</b>						
Bonds:						
Current (P&I)	\$ 180,408,759	\$ 187,593,004	\$ 187,593,004	\$ 184,600,100	\$ (2,992,904)	-1.60%
New (P&I)	13,805,194	3,951,396	-	3,926,858	(24,538)	-0.62%
ECP	-	-	-	750,000	750,000	0.00%
<b>Total</b>	<b>\$194,213,953</b>	<b>\$191,544,400</b>	<b>\$187,593,004</b>	<b>\$ 189,276,959</b>	<b>\$ (2,267,441)</b>	<b>-1.18%</b>
<b>Other</b>						
BAB's Subsidy	\$ (2,144,521)	\$ -	\$ -	\$ -	\$ -	0.00%
Reserve Fund Interest Tfr	(7,000,000)	(8,680,700)	(13,717,900)	-	8,680,700	-100.00%
I&S Fund Interest	(900,000)	(822,363)	(31,504)	-	822,363	-100.00%
Fund Balance Change	830,568	(1,116,037)	(975,500)	1,111,141	2,227,178	-199.56%
<b>Total</b>	<b>\$ (9,213,953)</b>	<b>\$ (10,619,100)</b>	<b>\$ (14,724,904)</b>	<b>\$ 1,111,141</b>	<b>\$ 11,730,241</b>	<b>-110.46%</b>
<b>Transfer to I&amp;S Fund</b>	<b>\$185,000,000</b>	<b>\$180,925,300</b>	<b>\$172,868,100</b>	<b>\$ 189,638,100</b>	<b>\$ 8,712,800</b>	<b>4.82%</b>
<b>Bond Service Fees</b>	<b>\$ 27,520</b>	<b>\$ 37,010</b>	<b>\$ 37,010</b>	<b>\$ 35,470</b>	<b>\$ (1,540)</b>	<b>-4.16%</b>
<b>ECP Fees</b>	<b>-</b>	<b>-</b>	<b>661,000</b>	<b>121,750</b>	<b>121,750</b>	<b>0.00%</b>
<b>Total</b>	<b>\$ 27,520</b>	<b>\$ 37,010</b>	<b>\$ 698,010</b>	<b>\$ 157,220</b>	<b>\$ 120,210</b>	<b>324.80%</b>
<b>Notes</b>						
Chapman - City of Cooper	\$ 52,474	\$ 52,475	\$ 52,475	\$ 52,475	\$ -	0.00%
Chapman - Corps	864,280	864,280	140,715	-	(864,280)	-100.00%
Lavon	1,594,320	1,581,920	259,535	-	(1,581,920)	-100.00%
<b>Total</b>	<b>\$ 2,511,074</b>	<b>\$ 2,498,675</b>	<b>\$ 452,725</b>	<b>\$ 52,475</b>	<b>\$ (2,446,200)</b>	<b>-97.90%</b>
<b>Total Debt Service</b>	<b>\$187,538,594</b>	<b>\$183,460,985</b>	<b>\$174,018,835</b>	<b>\$ 190,597,795</b>	<b>\$ 7,136,810</b>	<b>3.89%</b>
<b>Total CIF and DS</b>	<b>\$222,009,595</b>	<b>\$219,660,985</b>	<b>\$210,218,835</b>	<b>\$ 205,597,795</b>	<b>\$ (14,063,190)</b>	<b>-6.40%</b>

Wylie Raw Water Pump Station



# REGIONAL WASTEWATER SYSTEM

# FY22 FAST BUDGET FACTS

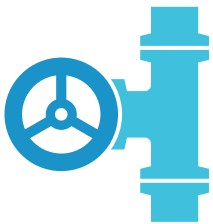
## WASTEWATER SERVICES

### COMMUNITIES SERVED

**242**  
EMPLOYEES

**\$404**  
MILLION

In regional  
wastewater,  
conveyance & sewer  
system **construction**  
**contracts**



**44.1**  
BILLION

estimated gallons of  
wastewater flows

**226**  
MILES

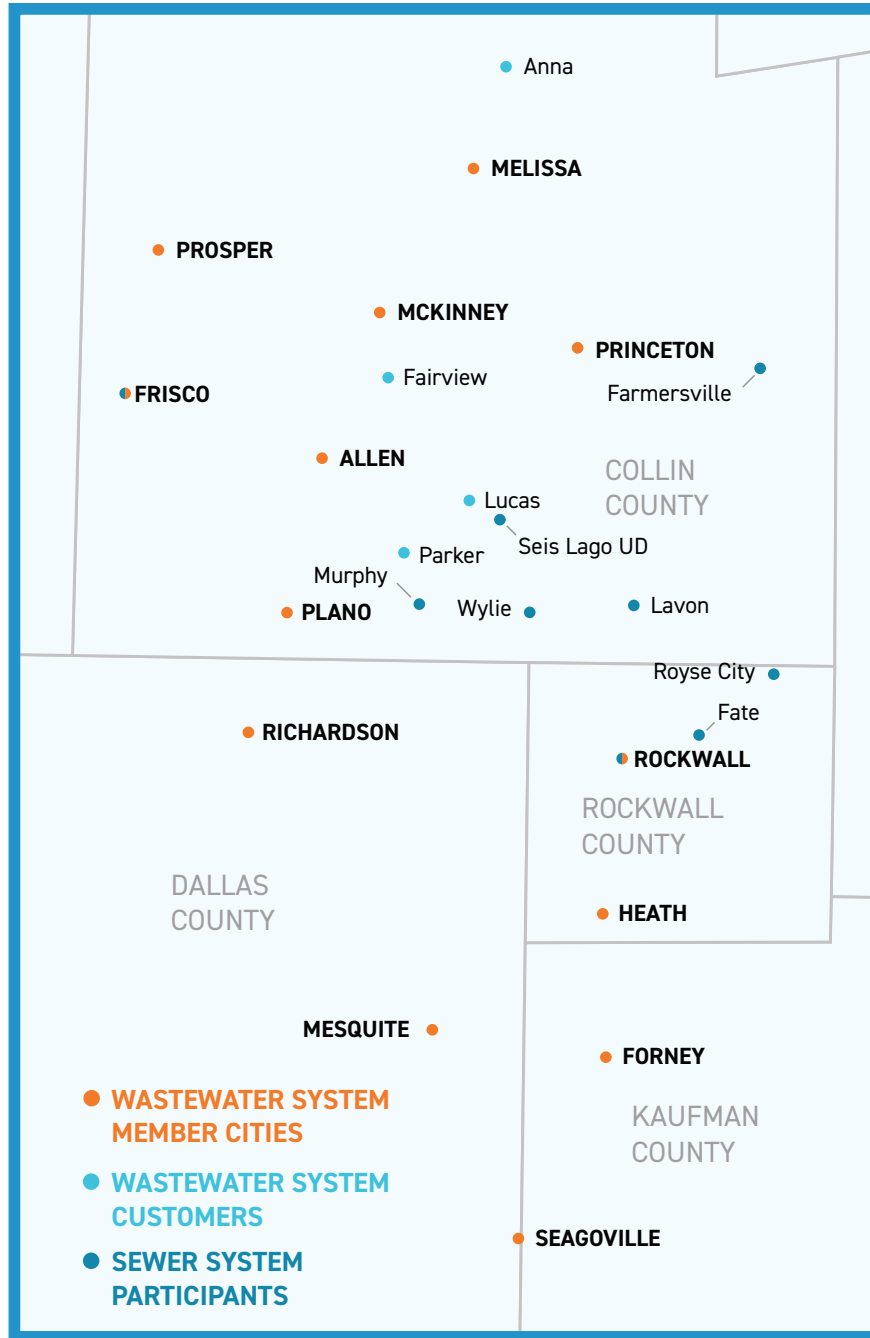
large-diameter  
wastewater  
pipelines

**163.5 MGD**  
(MILLION GALLONS/DAY)

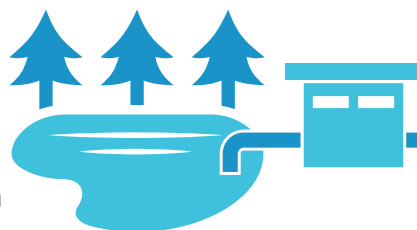
average annual  
wastewater  
treatment capacity



**13**  
WASTEWATER  
treatment plants



Around  
**15 BILLION**  
Gallons projected  
to be treated through  
wetland for reuse



Typically

**20 BILLION**

Gallons treated  
wastewater  
returned to Lavon Lake  
for reuse each year



S. Mesquite RWWTP - Outfall

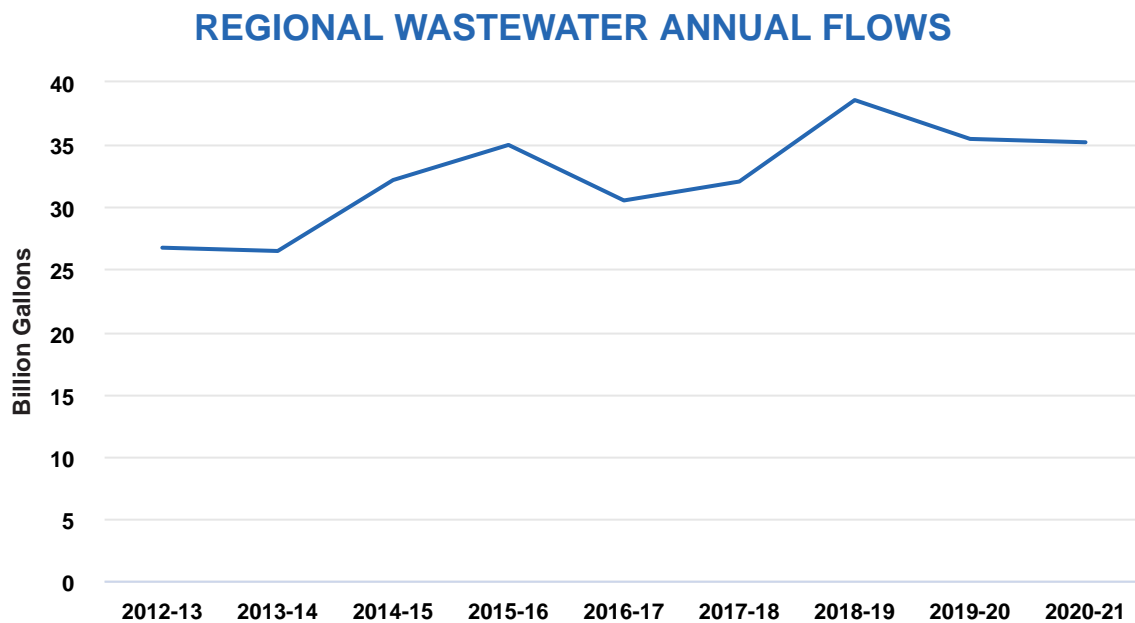




## Regional Wastewater System

The Regional Wastewater System (RWWS) provides proper wastewater management in full accordance with both state and federal regulations. The wastewater treatment facilities provide the equally important other half of the District's water equation which is essential to protecting the public health, protecting and enhancing the water environment and supporting economic development.

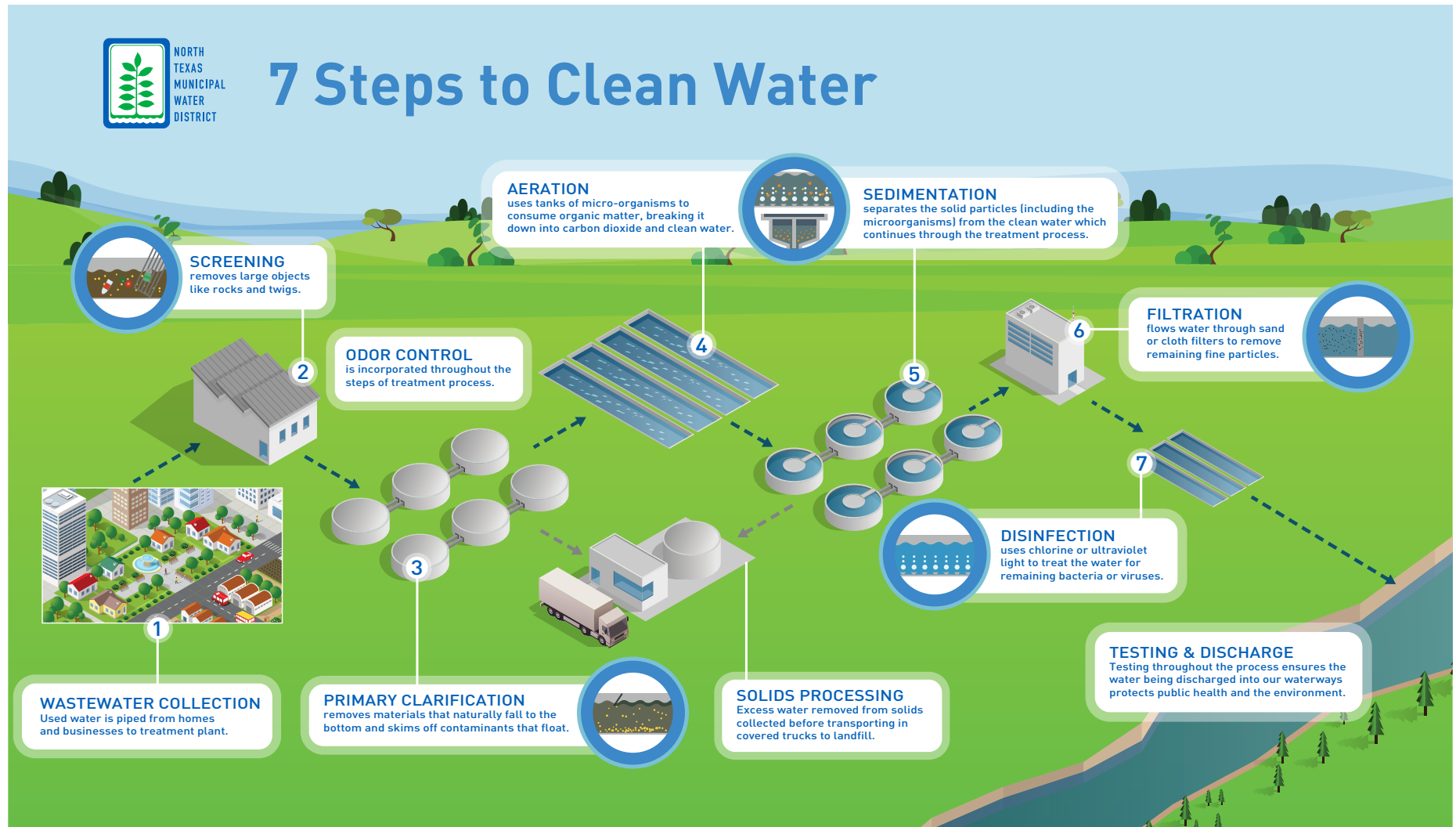
The RWWS provides wholesale wastewater services to nearly 1.3 million residents for the thirteen Member Cities of Allen, Forney, Frisco, Heath, McKinney, Melissa, Mesquite, Plano, Princeton, Prosper, Richardson, Rockwall and Seagoville as well as other Customers in North Texas. Regional service allows communities to share costs and avoid building and maintaining separate facilities and systems, providing cost efficiencies. The District treats the majority of wastewater flows at four Regional Wastewater Treatment Plants (RWWTP). Wastewater conveyance (interceptors) systems transport wastewater to these treatment plants through more than 226 miles of large-diameter wastewater pipelines. The plants process and treat up to 163.5 MGD of wastewater. In FY20, 35.2 billion gallons (includes contract minimums) of wastewater were billed for treatment by the Regional Wastewater System.



## Treatment

Wastewater comes from many sources like showers, sinks, dishwashers, laundry, toilets, car washes, hospitals and more. In studies done by the U.S. Environmental Protection Agency, Americans produce up to 100 gallons of wastewater each day. This equals about 1,600 glasses of water. Over 99.9% of wastewater is water while the remaining less than 0.1% consists of solids, chemicals, nutrients, fats and other pollutants. Once through the treatment process, the cleaned water meets or surpasses all regulatory requirements and is released back into our waterways to blend with larger water supply sources as well as be used for irrigation and to sustain aquatic life.





## Revenues and Expenditures

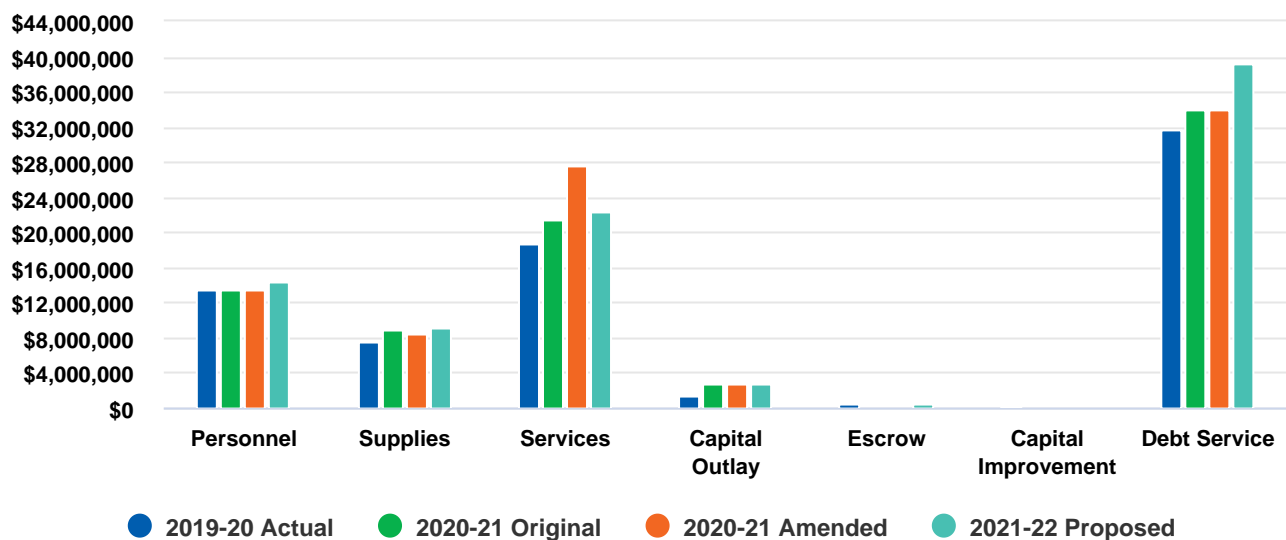
	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>	<b>\$ 73,690,439</b>	<b>\$ 80,523,835</b>	<b>\$ 86,010,380</b>	<b>\$ 88,100,745</b>	<b>\$ 7,576,910</b>	<b>9.41%</b>
<b>Expenditures</b>						
Personnel	\$ 13,397,675	\$ 13,546,650	\$ 13,393,355	\$ 14,429,145	\$ 882,495	6.51%
Supplies	7,550,389	8,802,455	8,384,810	9,189,295	386,840	4.39%
Services	18,768,674	21,455,780	27,509,770	22,255,260	799,480	3.73%
Capital Outlay	1,456,371	2,766,050	2,769,545	2,668,175	(97,875)	-3.54%
Escrow	550,000	-	-	443,000	443,000	0.00%
Debt Service	31,967,330	33,952,900	33,952,900	39,115,870	5,162,970	15.21%
<b>Total</b>	<b>\$ 73,690,439</b>	<b>\$ 80,523,835</b>	<b>\$ 86,010,380</b>	<b>\$ 88,100,745</b>	<b>\$ 7,576,910</b>	<b>9.41%</b>

The FY21 Amended Budget for expenditures and revenues totals \$86,010,380, which is \$5,486,545 or 6.81% greater than the FY21 Original Budget of \$80,523,835. This increase is due to high electric power bills as a result of Winter Storm Uri.

For the FY22 Annual Budget, the total RWWS expenditures are \$88,100,745 which is \$7,576,910 or 9.41% greater than the FY21 Original Budget. Major budget variances are explained below:

- Increase in Debt Service of \$5,162,970 for the financing of \$115 million in bonds and ECP.
- Increase in Services of \$799,480 due to higher Shared Services allocation, Other Services increased to repair a blower, plant structure and building coating rehabilitation, and annual preventative maintenance repairs and inspections at Wilson Creek Regional WWTP.
- Increase in Personnel of \$882,495 due to the higher retirement costs. Wages increased as a result of staffing the Sister Grove Regional Water Resource Recovery Facility.
- Increase in Supplies of \$386,840 due to higher Chemical contract bids that can be attributed to supply chain issues and increased global demand.
- Increase in Escrow of \$443,000 to replenish Reserve for Maintenance funds that were used to help offset the increased power costs during Winter Storm Uri.

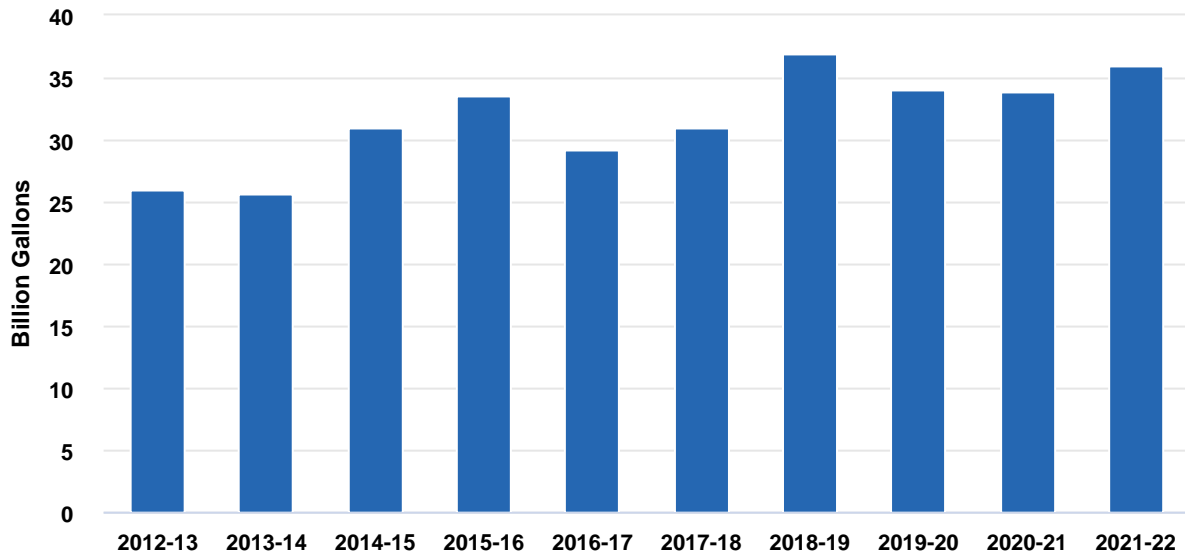
## RWWS EXPENDITURES



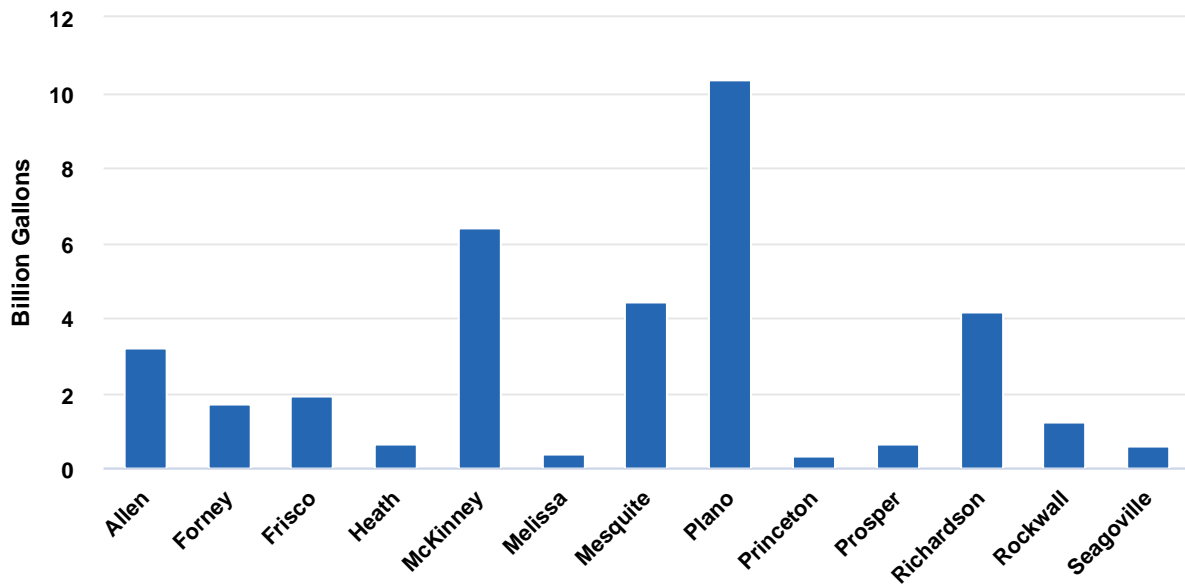
## Regional Wastewater System Flows

Finance compiles the actual flows for each of the four regional wastewater treatment plants based on data provided in monthly reports by RWWS management. Member City annual flows for the amended FY21 budget were 33.8 billion gallons. Annual Member City flows for FY22 are estimated to be 36 billion gallons.

### REGIONAL WASTEWATER MEMBER CITY FLOWS



### PROPOSED BUDGET ESTIMATED FLOWS BY MEMBER CITIES



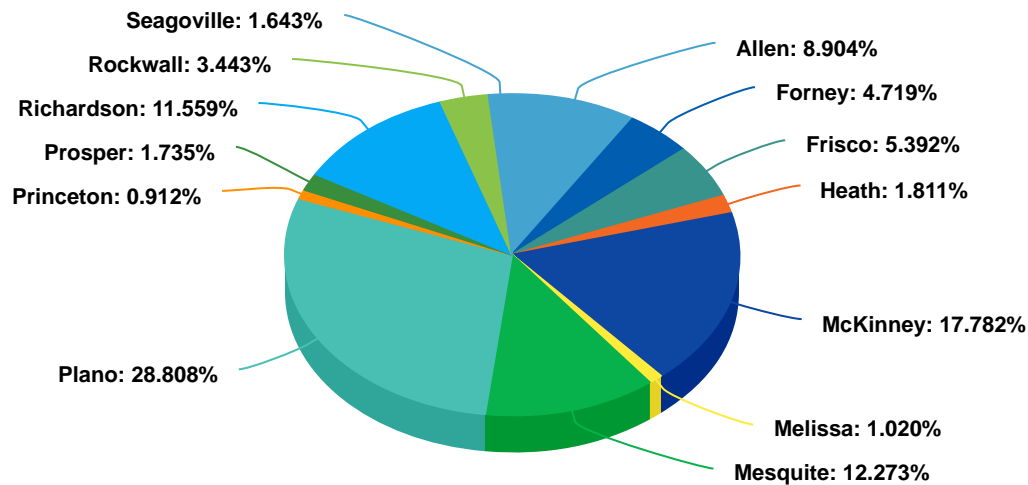
Member City flows are the greater of actuals or required minimums.

## Cost Allocation for Member Cities

The Regional Wastewater System and its wastewater treatment plants have been acquired or constructed under a common bond pledge. Member Cities share the cost for wastewater treatment on the basis of proportional flow considering all four regional plants. Charges are based on current budgeted expenditures and are allocated to each city at the beginning of the year based on estimated flows. At the end of the year, the actual cost for each city is determined based on actual flows and final billings are adjusted accordingly.

Cost allocation by Member City based on flows for the FY22 Budget is presented below:

### 2020-21 MEMBER CITY COST ALLOCATION



The total charges to be allocated to the Member Cities for FY22 are \$85,452,095 after deducting interest and other revenue in the estimated amount of \$2,648,650 from the proposed budget of \$88,100,745.

	2019-20	2020-21	2020-21	2021-22
City	Actual	Original Budget	Amended Budget	Proposed Budget
Allen	\$ 6,402,456	\$ 7,258,636	\$ 6,998,203	\$ 7,608,627
Forney	3,347,537	3,627,994	3,708,633	4,032,122
Frisco	3,489,532	3,652,347	4,237,672	4,607,307
Heath	1,289,976	1,563,392	1,423,246	1,547,390
McKinney	12,592,591	13,685,319	13,975,660	15,194,696
Melissa	745,550	817,677	842,546	871,459
Mesquite	8,994,322	9,381,175	9,646,469	10,487,888
Plano	20,914,925	23,387,239	22,641,925	24,616,882
Princeton	835,736	887,106	716,732	779,250
Prosper	942,328	916,011	1,363,918	1,482,887
Richardson	8,324,511	9,234,435	9,085,156	9,877,615
Rockwall	2,150,429	2,234,356	2,706,356	2,942,421
Seagoville	1,218,651	1,336,548	1,377,199	1,403,551
<b>Total</b>	<b>\$ 71,248,544</b>	<b>\$ 77,982,235</b>	<b>\$ 78,723,715</b>	<b>\$ 85,452,095</b>
<b>Flows (1,000)</b>	<b>34,570,387</b>	<b>34,500,000</b>	<b>33,800,000</b>	<b>36,000,000</b>
<b>Member Cost per 1,000</b>	<b>\$ 2.06</b>	<b>\$ 2.26</b>	<b>\$ 2.33</b>	<b>\$ 2.37</b>

**RWWS Fund Balances****Capital Improvement Fund  
9/30/21****Projected Balance:**

07/31/21	Fund Balance	\$	3,736,150
	Remaining Payments to be made on Authorized Projects		-
	Remaining Budgeted Transfers from Operating Fund		(634,225)
09/30/21	Balance Available for Future Projects		3,101,925
	Balance Transfers from Operating Fund		-
	Expected Projects		-
	Interest Income		1,861
09/30/22	Balance Available for Future Projects	\$	3,103,786

**Reserve for Maintenance Fund  
9/30/21****Projected Balance:**

09/30/21	Expected Fund Balance	\$	361,635
	Balance Transfers from Operating Fund		443,000
	Expected Projects		-
	Interest Income		217
09/30/22	Balance Available for Future Projects	\$	804,852

**Preventative Maintenance Escrow  
9/30/21****Projected Balance:**

09/30/21	Expected Fund Balance	\$	456,210
	Balance Transfers from Operating Fund		-
	Expected Projects		-
	Interest Income		274
09/30/22	Balance Available for Future Projects	\$	456,484

## Regional Wastewater Treatment Plants (RWWTP)

### 5070 – Sister Grove Regional Water Resource Recovery Facility (RWRRF)

Due to unprecedented growth in the service area, the District is building the Sister Grove RWRRF in New Hope, Texas. In April of 2020, the District received the wastewater permit from the TCEQ. The facility is currently under construction. Based on projected wastewater flows, the facility will need to be operational in 2023 in order for the District to continue to serve the growing population.

### 5080 – Wilson Creek RWWTP

The Wilson Creek RWWTP is a 64 MGD plant that utilizes conventional activated sludge and Biological Nutrient Removal (BNR) treatment with advanced tertiary treatment. The plant is located at 3020 Orr Road in Allen and discharges treated wastewater into Lavon Lake. Wilson Creek RWWTP serves the Cities of Allen, Frisco, McKinney, Melissa, Plano, Princeton, Prosper, Anna, Lucas and Parker.

### 5090 – Floyd Branch RWWTP

The Floyd Branch RWWTP is a 4.75 MGD activated sludge and trickling filter plant. The plant is located at 111 W. Buckingham in Richardson treating wastewater for the City of Richardson. The plant discharges treated wastewater into Floyd Branch, a tributary of White Rock Lake.

### 5100 – Rowlett Creek RWWTP

The Rowlett Creek RWWTP is a 24 MGD conventional activated sludge plant located at 1401 Los Rios Blvd. in Plano that treats wastewater for Plano and Richardson. The plant discharges into Rowlett Creek, a tributary of Lake Ray Hubbard.

### 5180 – Mesquite RWWTP

The Mesquite RWWTP is a 33 MGD conventional activated sludge treatment plant located at 3500 Lawson Road in Mesquite. It treats wastewater for the Cities of Forney, Heath, Mesquite, Rockwall and Seagoville. The plant is currently being modified to treat a portion of the plant flow through Biological Nutrient Removal (BNR). Plant effluent is discharged into South Mesquite Creek, which flows into the East Fork of the Trinity River.



## Sister Grove RWRRF

### Overview

The Sister Grove Regional Water Resource Recovery Facility (RWRRF) is being constructed with an initial average annual daily treatment capacity of 16 MGD. The plant is located north of the Town of New Hope. The plant will include liquid treatment process facilities, solids handling process facilities, UV disinfection, peak flow handling facilities and plant operations support facilities. The project also consists of approximately 21,659 linear feet of 96-inch diameter pipeline from the facility site to the outfall at Stiff Creek. In order to serve the growing population in the area, the goal is to have the facility operational by 2023.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### **Service: Provide superior water, wastewater and solid waste services today and tomorrow**

- Apply proven technologies and processes to reliably and efficiently meet or surpass regulatory requirements.
- Leverage NTMWD's computerized maintenance management system (CMMS) to increase equipment reliability, effectiveness and efficiency and reduce equipment downtime and failures.
- Produce and maintain a five-year plan to meet wastewater treatment needs today and in the future.

#### **Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- The plant discharges into Lavon Lake under the following permit limits:
  - 5 mg/L CBOD, 5mg/L TSS, 1.3-3 (seasonal) mg/L Ammonia, and Total Phosphorus not to exceed annual mass loading of 53,576 pounds / year
- Manage budgets in a disciplined and transparent manner.
- Continually evaluate technologies and processes that could improve water quality, lower costs or improve operational efficiency.

#### **Partnership: Actively collaborate with members, customers, partners, employees and stakeholders**

- Continue to collaborate with cities served through increased dialogue and partnering efforts.
- Continue to operate plants in a manner that maintains a good neighbor status.
- Engage and communicate with cities served regarding wastewater services provided and future needs.

#### **People: Build a talented, competent and committed team**

- Continue to invest in comprehensive employee training and development programs.
- Provide safe facilities and working conditions.
- Attract and retain a highly qualified workforce through enhanced recruitment and competitive compensation.

### Major Budget Drivers

- New Department Initiation
- Personnel
- Equipment / Supplies / Services

## Position Summary

Sister Grove RWRRF			
Full-Time Positions	FY21	FY22	Difference
Mechanic's Assistant	-	1.00	1.00
Wastewater Plant Operator II	-	3.00	3.00
Wastewater Plant Supervisor II	-	1.00	1.00
<b>Total Full-Time Positions</b>	<b>-</b>	<b>5.00</b>	<b>5.00</b>

## Expense Detail

Sister Grove RWRRF	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ -	\$ -	\$ -	\$ 290,690	\$ 290,690	0.00%
511060 - Overtime	-	-	-	10,000	10,000	0.00%
512000 - Social Security	-	-	-	22,230	22,230	0.00%
513000 - Workers' Comp Ins	-	-	-	6,240	6,240	0.00%
513020 - Hospitalization Ins	-	-	-	46,345	46,345	0.00%
513040 - Dental Ins	-	-	-	1,350	1,350	0.00%
513060 - Life Ins	-	-	-	775	775	0.00%
514000 - Retirement	-	-	-	63,610	63,610	0.00%
514010 - Retiree - Insurance	-	-	-	17,805	17,805	0.00%
515000 - Cell Phone Stipend	-	-	-	2,400	2,400	0.00%
<b>Personnel Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 461,445</b>	<b>\$ 461,445</b>	<b>0.00%</b>
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520100 - Office Supplies	\$ -	\$ -	\$ -	\$ 2,505	\$ 2,505	0.00%
520110 - Computer Supplies	-	-	-	29,050	29,050	0.00%
520200 - Xerox Supplies	-	-	-	500	500	0.00%
520300 - Clothing Supplies	-	-	-	8,070	8,070	0.00%
520600 - Fuel, Oil and Lube	-	-	-	1,360	1,360	0.00%
520630 - Toll Fees	-	-	-	250	250	0.00%
520800 - Small Tools & Equip	-	-	-	1,000	1,000	0.00%
520810 - Fire Extinguishers	-	-	-	100	100	0.00%
520900 - Janitorial Supplies	-	-	-	1,000	1,000	0.00%
521100 - Medical Supplies	-	-	-	150	150	0.00%
521110 - Safety Supplies	-	-	-	14,220	14,220	0.00%
521900 - Vehicle Supplies	-	-	-	2,350	2,350	0.00%
521910 - Tires and Tubes	-	-	-	1,400	1,400	0.00%
523000 - Other Supplies	-	-	-	1,000	1,000	0.00%
<b>Supplies Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 62,955</b>	<b>\$ 62,955</b>	<b>0.00%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ -	\$ -	\$ -	\$ 390	\$ 390	0.00%
530400 - Fire & Exten Cov Ins	-	-	-	68,960	68,960	0.00%
530900 - General Liability Ins	-	-	-	77,365	77,365	0.00%
531020 - Internet Service	-	-	-	1,980	1,980	0.00%

## Expense Detail (continued)

Sister Grove RWRRF	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services (continued)</b>						
531300 - Engin/Consultant Svc	\$ -	\$ -	\$ -	\$ 10,000	\$ 10,000	0.00%
531310 - Special Studies & Rpts	-	-	-	10,000	10,000	0.00%
531400 - Legal Service	-	-	-	5,500	5,500	0.00%
531700 - Advertising	-	-	-	500	500	0.00%
531900 - Travel and Training	-	-	-	20,780	20,780	0.00%
532000 - Mem & Subscriptions	-	-	-	105	105	0.00%
532100 - Vehicle Maint	-	-	-	1,000	1,000	0.00%
533000 - Other Services	-	-	-	2,500	2,500	0.00%
533900 - Permits, Ins, & Lic Fees	-	-	-	27,140	27,140	0.00%
Shared Services	-	-	-	387,730	387,730	0.00%
<b>Services Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 613,950</b>	<b>\$ 613,950</b>	<b>0.00%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ -	\$ -	\$ -	\$ 54,000	\$ 54,000	0.00%
<b>Capital Outlay Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 54,000</b>	<b>\$ 54,000</b>	<b>0.00%</b>
<b>Grand Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,192,350</b>	<b>\$ 1,192,350</b>	<b>0.00%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$1,192,350 from the FY21 Original Budget. Major variances are explained below:

- New department within the RWWS for FY22.

## Wilson Creek RWWTP

### Overview

The Wilson Creek Regional Wastewater Treatment Plant is a 64 MGD plant located at 3020 Orr Road in Allen, Texas that treats wastewater utilizing activated sludge and Biological Nutrient Removal treatment along with the advanced tertiary treatment. The plant utilizes chlorine as well as UV for disinfection. Wilson Creek RWWTP provides wastewater treatment for the following cities: Allen, Frisco, McKinney, Melissa, Plano, Princeton, Prosper, Anna, Lucas and Parker.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### **Service: Provide superior water, wastewater and solid waste services today and tomorrow**

- Apply proven technologies and processes to reliably and efficiently meet or surpass regulatory requirements.
- Leverage NTMWD's computerized maintenance management system (CMMS) to increase equipment reliability, effectiveness and efficiency and reduce equipment downtime and failures.
- Produce and maintain a five-year plan to meet wastewater treatment needs today and in the future.

#### **Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- The plant discharges into Lavon Lake under the following permit limits:
  - 5 mg/L CBOD, 5mg/L TSS, 2 mg/L Ammonia and 0.5 mg/L Phosphorus
- Manage budgets in a disciplined and transparent manner.
- Continually evaluate technologies and processes that could improve water quality, lower costs or improve operational efficiency.

#### **Partnership: Actively collaborate with members, customers, partners, employees and stakeholders**

- Continue to collaborate with cities served through increased dialogue and partnering efforts.
- Continue to operate plants in a manner that maintains a good neighbor status.
- Engage and communicate with cities served regarding wastewater services provided and future needs.

#### **People: Build a talented, competent and committed team**

- Continue to invest in comprehensive employee training and development programs.
- Provide safe facilities and working conditions.
- Attract and retain a highly qualified workforce through enhanced recruitment and competitive compensation.

### Major Budget Drivers

- Chemicals for treatment
- Personnel / Overtime
- Electrical power
- Major equipment rehab/replacement

## Position Summary

### Wilson Creek RWWTP

Full-Time Positions	FY21	FY22	Difference
Assistant Deputy (Wastewater)	1.00	1.00	-
Assistant Regional Wastewater System Manager	-	1.00	1.00
Assistant Wastewater System Manager	1.00	-	(1.00)
Chief Wastewater Plant Operator	2.00	2.00	-
Information Systems Assistant	2.00	2.00	-
Lead Maintenance Technician	1.00	1.00	-
Lead Transport Driver	1.00	1.00	-
Lead Wastewater Plant Operator	5.00	5.00	-
Maintenance Planner Scheduler	1.00	1.00	-
Maintenance Supervisor	1.00	1.00	-
Mechanic's Assistant	3.00	3.00	-
Professional Engineer	1.00	1.00	-
Training and Development Manager	1.00	1.00	-
Transport Driver	13.00	12.00	(1.00)
Wastewater Mechanic	3.00	3.00	-
Wastewater Plant Operator II	18.00	19.00	1.00
Wastewater Plant Operator III	10.00	10.00	-
Wastewater Plant Supervisor II (Sister Grove Crk WWTP)	1.00	-	(1.00)
Wastewater Plant Supervisor III	1.00	1.00	-
Wastewater Project Coordinator	1.00	1.00	-
<b>Total Full-Time Positions</b>	<b>67.00</b>	<b>66.00</b>	<b>(1.00)</b>

## Expense Detail

Wilson Creek RWWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 3,834,080	\$ 3,977,830	\$ 3,822,630	\$ 3,975,655	\$ (2,175)	-0.05%
511060 - Overtime	599,218	400,000	410,000	400,000	-	0.00%
512000 - Social Security	317,367	299,910	314,765	304,130	4,220	1.41%
513000 - Workers' Comp Ins	89,674	78,750	87,155	72,570	(6,180)	-7.85%
513020 - Hospitalization Ins	883,188	941,650	925,700	950,205	8,555	0.91%
513040 - Dental Ins	44,871	47,365	45,730	43,645	(3,720)	-7.85%
513060 - Life Ins	9,485	10,660	9,770	9,685	(975)	-9.15%
514000 - Retirement	524,305	533,060	533,060	628,530	95,470	17.91%
514010 - Retiree - Insurance	91,475	93,000	232,010	175,905	82,905	89.15%
514020 - Comp Absences-vacation	17,985	7,230	7,230	41,350	34,120	471.92%
514030 - Comp Absences-sick	14,400	-	-	-	-	0.00%
515000 - Cell Phone Stipend	28,480	28,680	29,480	29,150	470	1.64%
<b>Personnel Total</b>	<b>\$ 6,454,529</b>	<b>\$ 6,418,135</b>	<b>\$ 6,417,530</b>	<b>\$ 6,630,825</b>	<b>\$ 212,690</b>	<b>3.31%</b>

## Expense Detail (continued)

Wilson Creek RWWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520100 - Office Supplies	\$ 19,742	\$ 30,280	\$ 20,280	\$ 11,755	\$ (18,525)	-61.18%
520110 - Computer Supplies	37,803	35,380	30,380	40,650	5,270	14.90%
520200 - Xerox Supplies	10,311	9,600	9,600	10,710	1,110	11.56%
520300 - Clothing Supplies	34,784	30,295	30,295	30,295	-	0.00%
520600 - Fuel, Oil and Lube	248,613	344,045	204,045	260,005	(84,040)	-24.43%
520610 - Generator Fuel	-	22,000	22,000	48,100	26,100	118.64%
520630 - Toll Fees	13,462	4,500	7,500	7,155	2,655	59.00%
520700 - Machine Oil & Lube	21,552	17,100	21,100	33,850	16,750	97.95%
520800 - Small Tools & Equip	42,703	33,605	38,605	40,430	6,825	20.31%
520810 - Fire Extinguishers	882	1,400	1,400	500	(900)	-64.29%
520900 - Janitorial Supplies	10,810	10,000	10,000	10,000	-	0.00%
521000 - Laboratory Supplies	23,515	26,925	26,925	42,055	15,130	56.19%
521100 - Medical Supplies	3,770	5,240	5,240	5,240	-	0.00%
521110 - Safety Supplies	79,168	80,490	80,490	58,480	(22,010)	-27.35%
521200 - Chem - Other	117,421	139,705	127,705	444,970	305,265	218.51%
521203 - Chem - Chlorine	109,149	121,000	121,000	178,920	57,920	47.87%
521208 - Chem - Ferric Chloride	-	-	108,000	108,000	108,000	0.00%
521209 - Chem - Polymers	1,050,263	1,236,795	1,236,795	1,041,000	(195,795)	-15.83%
521210 - Chem - Hypochlorite	34,752	136,990	136,990	74,550	(62,440)	-45.58%
521211 - Chem - Sulfur Dioxide	78,015	70,200	82,200	92,160	21,960	31.28%
521212 - Chem - Liq Ferr Sulfate	239,676	389,550	389,550	292,875	(96,675)	-24.82%
521214 - Chem - Caustic	12,802	30,080	30,080	10,125	(19,955)	-66.34%
521215 - Chem - Bioxide	99,426	208,835	100,835	-	(208,835)	-100.00%
521300 - Botanical Supplies	11,083	15,500	15,500	15,500	-	0.00%
521400 - Electrical Supplies	424,512	662,370	424,370	583,670	(78,700)	-11.88%
521500 - Mechanical Supplies	534,209	551,715	539,715	485,965	(65,750)	-11.92%
521700 - Building Supplies	23,243	13,000	11,000	13,000	-	0.00%
521900 - Vehicle Supplies	158,138	126,375	106,375	126,530	155	0.12%
521910 - Tires and Tubes	124,919	131,020	97,400	93,665	(37,355)	-28.51%
522000 - Equipment Supplies	114,814	52,615	32,615	82,580	29,965	56.95%
522100 - Welding Supplies	2,862	2,500	4,800	5,000	2,500	100.00%
522200 - Road Maint Supplies	2,280	-	-	20,000	20,000	0.00%
523000 - Other Supplies	157,697	224,150	146,150	224,150	-	0.00%
<b>Supplies Total</b>	<b>\$ 3,842,376</b>	<b>\$ 4,763,260</b>	<b>\$ 4,218,940</b>	<b>\$ 4,491,885</b>	<b>\$ (271,375)</b>	<b>-5.70%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 61,751	\$ 57,855	\$ 72,855	\$ 92,325	\$ 34,470	59.58%
530400 - Fire & Exten Cov Ins	46,003	54,665	54,665	68,960	14,295	26.15%
530900 - General Liability Ins	25,569	13,620	63,620	77,365	63,745	468.02%
531000 - Telephone	7,524	6,900	8,300	6,900	-	0.00%
531020 - Internet Service	101,903	87,930	185,930	100,010	12,080	13.74%
531100 - Electric Power	1,457,376	1,500,000	4,514,340	1,150,000	(350,000)	-23.33%
531120 - Retail Water Service	10,954	6,720	11,720	6,720	-	0.00%
531200 - Bank Service Fees	364	1,000	1,000	1,000	-	0.00%



## Expense Detail (continued)

Wilson Creek RWWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services (continued)</b>						
531300 - Engin/Consultant Svc	\$ -	\$ -	\$ -	\$ 132,000	\$ 132,000	0.00%
531310 - Special Studies & Rpts	245,110	220,550	130,550	105,550	(115,000)	-52.14%
531400 - Legal Service	43,118	130,000	130,000	115,000	(15,000)	-11.54%
531700 - Advertising	12,492	1,590	1,840	17,800	16,210	1019.50%
531800 - Rent or Lease Payment	29,672	50,825	46,825	45,430	(5,395)	-10.61%
531900 - Travel and Training	22,434	27,100	23,100	55,215	28,115	103.75%
532000 - Mem & Subscriptions	11,738	22,715	23,115	18,915	(3,800)	-16.73%
532100 - Vehicle Maint	50,740	40,000	35,000	40,000	-	0.00%
532110 - Veh Maint by Solid Waste	96,224	85,000	85,000	95,000	10,000	11.76%
532200 - Equipment Maintenance	115,799	388,450	268,050	380,500	(7,950)	-2.05%
532210 - Special Maintenance	-	-	500,000	-	-	0.00%
532800 - Grounds Maintenance	23,193	70,925	70,925	96,695	25,770	36.33%
532850 - Building Maintenance	-	31,100	11,100	15,800	(15,300)	-49.20%
532900 - Electrical Sys Maint	160,819	180,000	107,000	145,000	(35,000)	-19.44%
533000 - Other Services	717,348	504,400	669,400	993,500	489,100	96.97%
533030 - Contractual Safety Serv	3,741	13,375	13,375	13,375	-	0.00%
533100 - Administration	41,710	39,645	39,645	38,555	(1,090)	-2.75%
533380 - Odor Control Crew	29,248	35,000	25,000	35,000	-	0.00%
533500 - Lab Svc - Contract	12,250	14,880	14,880	14,880	-	0.00%
533630 - Landfill Service Fees	1,867,556	1,740,200	1,640,200	1,515,180	(225,020)	-12.93%
533900 - Permits, Ins, & Lic Fees	135,524	141,365	155,365	144,710	3,345	2.37%
534000 - Uninsured losses	1,012	-	40,000	-	-	0.00%
Shared Services	2,979,227	4,261,040	4,201,040	3,770,835	(490,205)	-11.50%
<b>Services Total</b>	<b>\$ 8,310,399</b>	<b>\$ 9,726,850</b>	<b>\$13,143,840</b>	<b>\$ 9,292,220</b>	<b>\$ (434,630)</b>	<b>-4.47%</b>
<b>Capital Outlay</b>						
540200 - Building	\$ -	\$ -	\$ -	\$ 330,500	\$ 330,500	0.00%
540300 - Vehicle Equipment	302,575	545,000	549,200	117,000	(428,000)	-78.53%
540500 - Machinery	395,669	390,450	429,920	350,000	(40,450)	-10.36%
540700 - Non-Vehicle Equipment	37,959	32,000	120,000	133,500	101,500	317.19%
<b>Capital Outlay Total</b>	<b>\$ 736,204</b>	<b>\$ 967,450</b>	<b>\$ 1,099,120</b>	<b>\$ 931,000</b>	<b>\$ (36,450)</b>	<b>-3.77%</b>
<b>Grand Total</b>	<b>\$19,343,507</b>	<b>\$21,875,695</b>	<b>\$24,879,430</b>	<b>\$21,345,930</b>	<b>\$ (529,765)</b>	<b>-2.42%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has decreased by \$529,765 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Insurance, Retirement and Compensated Absences costs.
- An overall decrease in Chemicals due to process improvements.
- Engineering/Consultant Services increased for the design of energy dissipating units on secondary clarifiers.
- Other Services increased to repair and re-roof the blower buildings and rehabilitate the plant structure.
- Shared Services expenses decreased for FY22.
- Electric Power decreased based on forecasted usage.
- Building expenses increased for the design of a UV canopy expansion but is offset by decreases in Vehicle Equipment and Machinery purchases.

## Floyd Branch RWWTP

### Overview

The Floyd Branch Regional Wastewater Treatment Plant is a 4.75 MGD activated sludge plant located at 111 W. Buckingham in Richardson, Texas. The plant utilizes activated sludge and Bio-Mag treatment technology and UV for disinfection. This plant serves the City of Richardson.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### **Service: Provide superior water, wastewater and solid waste services today and tomorrow**

- Apply proven technologies and processes to reliably and efficiently meet or surpass regulatory requirements.
- Leverage NTMWD's computerized maintenance management system (CMMS) to increase equipment reliability, effectiveness and efficiency and reduce equipment downtime and failures.
- Produce and maintain a five-year plan to meet wastewater treatment needs today and in the future.

#### **Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Ensure compliance with water quality requirements. The plant discharges into Floyd Branch under the following permit limits:
  - (March-November) 10 mg/L CBOD, 15mg/L TSS, 2 mg/L Ammonia
  - (December - February) 10 mg/L CBOD, 15 mg/L TSS, 4 mg/L Ammonia
- Manage budgets in a disciplined and transparent manner.
- Continually evaluate technologies and processes that could improve water quality, lower costs or improve operational efficiency.

#### **Partnership: Actively collaborate with members, customers, partners, employees and stakeholders**

- Continue to collaborate with the City of Richardson through increased dialogue and partnering efforts.
- Continue to operate plants in a manner that maintains a good neighbor status.
- Engage and communicate with the City of Richardson regarding wastewater services currently provided and future needs.

#### **People: Build a talented, competent and committed team**

- Continue to invest in comprehensive employee training and development programs.
- Provide safe facilities and working conditions.
- Attract and retain a highly qualified workforce through enhanced recruitment and competitive compensation.

### Major Budget Drivers

- Chemicals for treatment
- Personnel
- Electrical power
- Major equipment rehab/replacement

## Position Summary

### Floyd Branch RWWTP

Full-Time Positions	FY21	FY22	Difference
Lead Wastewater Plant Operator	1.00	1.00	-
Wastewater Coordinator	1.00	1.00	-
Wastewater Plant Operator II	3.00	3.00	-
Wastewater Plant Operator III	2.00	2.00	-
Wastewater Plant Supervisor III	-	0.20	0.20
<b>Total Full-Time Positions</b>	<b>7.00</b>	<b>7.20</b>	<b>0.20</b>

## Expense Detail

Floyd Branch RWWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 473,587	\$ 460,230	\$ 510,405	\$ 425,845	\$ (34,385)	-7.47%
511060 - Overtime	10,304	10,000	32,500	25,000	15,000	150.00%
512000 - Social Security	35,388	35,210	44,835	32,570	(2,640)	-7.50%
513000 - Workers' Comp Ins	12,428	11,470	13,935	7,280	(4,190)	-36.53%
513020 - Hospitalization Ins	82,099	82,685	72,430	66,620	(16,065)	-19.43%
513040 - Dental Ins	5,294	5,450	4,595	4,110	(1,340)	-24.59%
513060 - Life Ins	1,150	1,230	1,145	1,035	(195)	-15.85%
514000 - Retirement	66,250	61,675	61,675	69,555	7,880	12.78%
514010 - Retiree - Insurance	11,560	10,760	10,760	19,465	8,705	80.90%
514020 - Comp Absences-vacation	4,855	4,965	4,965	15,935	10,970	220.95%
514030 - Comp Absences-sick	29,475	17,000	17,000	-	(17,000)	-100.00%
515000 - Cell Phone Stipend	1,920	1,920	1,875	1,670	(250)	-13.02%
<b>Personnel Total</b>	<b>\$ 734,309</b>	<b>\$ 702,595</b>	<b>\$ 776,120</b>	<b>\$ 669,085</b>	<b>\$ (33,510)</b>	<b>-4.77%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 483	\$ 1,000	\$ 2,000	\$ 2,105	\$ 1,105	110.50%
520110 - Computer Supplies	1,423	4,115	6,615	4,900	785	19.08%
520200 - Xerox Supplies	-	1,200	1,200	2,255	1,055	87.92%
520300 - Clothing Supplies	2,516	4,200	4,200	4,200	-	0.00%
520600 - Fuel, Oil and Lube	2,343	4,800	4,800	5,445	645	13.44%
520610 - Generator Fuel	1,604	3,170	3,170	9,920	6,750	212.93%
520630 - Toll Fees	33	100	100	110	10	10.00%
520700 - Machine Oil & Lube	160	1,270	770	4,180	2,910	229.13%
520800 - Small Tools & Equip	1,855	2,645	5,145	6,150	3,505	132.51%
520810 - Fire Extinguishers	175	100	100	100	-	0.00%
520900 - Janitorial Supplies	1,443	900	900	900	-	0.00%
521000 - Laboratory Supplies	15,199	1,440	3,840	8,490	7,050	489.58%
521100 - Medical Supplies	-	500	500	500	-	0.00%
521110 - Safety Supplies	3,668	8,315	8,315	6,430	(1,885)	-22.67%
521200 - Chem - Other	-	4,675	3,700	10,425	5,750	122.99%
521203 - Chem - Chlorine	1,121	1,695	2,670	-	(1,695)	-100.00%
521209 - Chem - Polymers	20,015	28,520	28,520	92,715	64,195	225.09%
521210 - Chem - Hypochlorite	8,823	15,300	15,300	30,960	15,660	102.35%
521214 - Chem - Caustic	-	1,880	1,880	1,690	(190)	-10.11%

## Expense Detail (continued)

Floyd Branch RWWTP					Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies (continued)</b>						
521300 - Botanical Supplies	1,447	1,650	1,650	1,650	-	0.00%
521400 - Electrical Supplies	23,081	35,000	25,000	41,610	6,610	18.89%
521500 - Mechanical Supplies	30,174	45,100	45,100	47,600	2,500	5.54%
521600 - Pipeline Supplies	-	-	-	-	-	0.00%
521610 - Meter Supplies	-	-	-	-	-	0.00%
521700 - Building Supplies	3,387	3,800	1,800	11,300	7,500	197.37%
521800 - Engineering Supplies	-	-	-	-	-	0.00%
521900 - Vehicle Supplies	150	5,000	2,500	5,015	15	0.30%
521910 - Tires and Tubes	536	680	680	1,630	950	139.71%
522000 - Equipment Supplies	2,002	19,875	19,875	11,000	(8,875)	-44.65%
522100 - Welding Supplies	-	100	200	500	400	400.00%
522200 - Road Maint. Supplies	-	-	1,400	15,000	15,000	0.00%
523000 - Other Supplies	3,049	4,070	4,070	6,070	2,000	49.14%
523660 - Small Plants Supplies	-	-	-	-	-	0.00%
525000 - Recovery - Supplies	-	-	-	-	-	0.00%
<b>Supplies Total</b>	<b>\$ 124,687</b>	<b>\$ 201,100</b>	<b>\$ 196,000</b>	<b>\$ 332,850</b>	<b>\$ 131,750</b>	<b>65.51%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 1,707	\$ 1,705	\$ 1,705	\$ 1,690	(15)	-0.88%
530400 - Fire & Exten Cov Ins	4,997	5,935	5,935	7,445	1,510	25.44%
530900 - General Liability Ins	864	2,695	2,695	1,335	(1,360)	-50.46%
531000 - Telephone	4,526	4,140	4,140	2,400	(1,740)	-42.03%
531020 - Internet Service	26,336	28,890	42,490	28,960	70	0.24%
531100 - Electric Power	151,607	180,000	480,225	168,930	(11,070)	-6.15%
531120 - Retail Water Service	2,872	865	1,665	1,920	1,055	121.97%
531300 - Engin/Consultant Svc	-	75,000	75,000	75,000	-	0.00%
531310 - Special Studies & Rpts	2,004	7,500	12,500	15,000	7,500	100.00%
531400 - Legal Service	13,532	10,000	12,000	15,000	5,000	50.00%
531700 - Advertising	7,652	15,920	15,920	200	(15,720)	-98.74%
531800 - Rent or Lease Payment	4,554	7,320	8,320	10,225	2,905	39.69%
531900 - Travel and Training	1,931	2,100	2,100	7,670	5,570	265.24%
532000 - Mem & Subscriptions	1,421	2,305	2,505	1,560	(745)	-32.32%
532100 - Vehicle Maint	25	200	1,700	200	-	0.00%
532110 - Veh Maint by Solid Waste	247	500	1,000	500	-	0.00%
532200 - Equipment Maintenance	3,077	28,550	28,550	37,925	9,375	32.84%
532800 - Grounds Maintenance	4,345	3,950	3,950	3,950	-	0.00%
532850 - Building Maintenance	-	1,520	1,520	7,280	5,760	378.95%
532900 - Electrical Sys Maint	1,148	25,520	5,520	18,000	(7,520)	-29.47%
533000 - Other Services	58,594	47,640	107,640	83,620	35,980	75.52%
533030 - Contractual Safety Serv	-	6,175	6,175	6,175	-	0.00%
533100 - Administration	4,050	3,725	3,725	3,770	45	1.21%
533380 - Odor Control Crew	1,551	5,000	5,000	5,000	-	0.00%

## Expense Detail (continued)

Floyd Branch RWWTP					Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services (continued)</b>						
533500 - Lab Svc - Contract	6,419	6,500	6,500	6,500	-	0.00%
533630 - Landfill Service Fees	55,643	53,400	53,400	53,935	535	1.00%
533900 - Permits, Ins, & Lic Fees	29,569	32,665	32,665	32,665	-	0.00%
534000 - Uninsured losses	-	-	1,000	-	-	0.00%
Shared Services	446,117	455,400	435,400	527,085	71,685	15.74%
<b>Services Total</b>	<b>\$ 834,786</b>	<b>\$ 1,015,120</b>	<b>\$ 1,360,945</b>	<b>\$ 1,123,940</b>	<b>\$ 108,820</b>	<b>10.72%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ -	\$ -	\$ -	10,500	10,500	0.00%
540500 - Machinery	27,657	440,000	397,100	285,000	(155,000)	-35.23%
<b>Capital Outlay Total</b>	<b>\$ 27,657</b>	<b>\$ 440,000</b>	<b>\$ 397,100</b>	<b>\$ 295,500</b>	<b>\$ (144,500)</b>	<b>-32.84%</b>
<b>Grand Total</b>	<b>\$ 1,721,439</b>	<b>\$ 2,358,815</b>	<b>\$ 2,730,165</b>	<b>\$ 2,421,375</b>	<b>\$ 62,560</b>	<b>2.65%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$62,560 from the FY21 Original Budget. Major variances are explained below:

- An overall increase in Chemicals due to higher chemical costs, the addition of a screw press and improvements to the secondary wastewater treatment.
- Road Maintenance Supplies increased to replace damaged concrete and to pave new sidewalks once plant improvements are completed and as a result of non-potable water leak repair.
- Other Services increased for new mechanical barscreen, screenings conveyor and related electrical and mechanical contractor installation services.
- Shared Services allocation increased for FY22.
- Machinery decreased due to lower need compared to FY21.

## Rowlett Creek RWWTP

### Overview

The Rowlett Creek Regional Wastewater Treatment Plant is a 24 MGD plant located at 1401 Los Rios Boulevard in Plano, Texas. The plant utilizes activated sludge and Membrane Bioreactor (MBR) treatment technology, along with chlorine for disinfection. This plant treats wastewater from the Cities of Plano and Richardson.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### **Service: Provide superior water, wastewater and solid waste services today and tomorrow**

- Apply proven technologies and processes to reliably and efficiently meet or surpass regulatory requirements.
- Leverage NTMWD's computerized maintenance management system (CMMS) to increase equipment reliability, effectiveness and efficiency and reduce equipment downtime and failures.
- Produce and maintain a five-year plan to meet wastewater treatment needs today and in the future.

#### **Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Ensure compliance with water quality requirements. The plant discharges into Rowlett Creek, a tributary of Lake Ray Hubbard, under the following permit limits:
  - (March-November) 5 mg/L CBOD, 5mg/L TSS, 1.2 mg/L Ammonia and 1 mg/L Phosphorus
  - (December - February) 7 mg/L CBOD, 12 mg/L TSS, 3 mg/L Ammonia and 1 mg/L Phosphorus
- Manage budgets in a disciplined and transparent manner.
- Continually evaluate technologies and processes that could improve water quality, lower costs or improve operational efficiency.

#### **Partnership: Actively collaborate with members, customers, partners, employees and stakeholders**

- Continue to collaborate with cities through increased dialogue and partnering efforts.
- Continue to operate plants in a manner that maintains a good neighbor status.
- Engage and communicate with cities served regarding wastewater services provided and future needs.

#### **People: Build a talented, competent and committed team**

- Continue to invest in comprehensive employee training and development programs.
- Provide safe facilities and working conditions.
- Attract and retain a highly qualified workforce through enhanced recruitment and competitive compensation.

### Major Budget Drivers

- Chemicals for treatment
- Personnel
- Electrical power
- Major equipment rehab/replacement



## Position Summary

### Rowlett Creek RWWTP

Full-Time Positions	FY21	FY22	Difference
Administrative Technician	1.00	1.00	-
Asset Risk Manger	1.00	1.00	-
Chief Wastewater Plant Operator	1.00	1.00	-
Information Systems Assistant	1.00	1.00	-
Lead Maintenance Technician	1.00	1.00	-
Lead Wastewater Plant Operator	3.00	4.00	1.00
Lead Dewatering Plant Operator	1.00	-	(1.00)
Mechanic's Assistant	1.00	1.00	-
Operations Data Specialist I	-	1.00	1.00
Transport Driver	4.00	4.00	-
Wastewater Mechanic	1.00	1.00	-
Wastewater Plant Operator II	7.00	7.00	-
Wastewater Plant Operator III	6.00	6.00	-
Wastewater Plant Supervisor II	1.00	-	(1.00)
Wastewater Plant Supervisor III	-	0.80	0.80
Wastewater Technician I	0.50	-	(0.50)
<b>Total Full-Time Positions</b>	<b>29.50</b>	<b>29.80</b>	<b>0.30</b>

## Expense Detail

Rowlett Creek RWWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 1,565,827	\$ 1,652,770	\$ 1,616,220	\$ 1,724,060	\$ 71,290	4.31%
511060 - Overtime	121,596	110,000	130,000	120,000	10,000	9.09%
512000 - Social Security	124,469	126,450	126,975	131,895	5,445	4.31%
513000 - Workers' Comp Ins	37,566	36,010	36,340	32,345	(3,665)	-10.18%
513010 - Unemployment Ins	1,241	-	-	-	-	0.00%
513020 - Hospitalization Ins	379,790	419,700	374,030	398,260	(21,440)	-5.11%
513040 - Dental Ins	20,477	21,260	20,595	18,760	(2,500)	-11.76%
513060 - Life Ins	3,792	4,495	4,160	4,185	(310)	-6.90%
514000 - Retirement	224,730	228,655	228,655	273,930	45,275	19.80%
514010 - Retiree - Insurance	39,210	39,895	70,140	76,665	36,770	92.17%
514020 - Comp Absences-vacation	20,610	1,865	1,865	-	(1,865)	-100.00%
514030 - Comp Absences-sick	24,390	5,020	5,020	6,860	1,840	36.65%
515000 - Cell Phone Stipend	11,320	12,840	12,290	12,435	(405)	-3.15%
<b>Personnel Total</b>	<b>\$ 2,575,018</b>	<b>\$ 2,658,960</b>	<b>\$ 2,626,290</b>	<b>\$ 2,799,395</b>	<b>\$ 140,435</b>	<b>5.28%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 5,646	\$ 5,000	\$ 5,000	\$ 6,430	\$ 1,430	28.60%
520110 - Computer Supplies	10,628	17,510	17,510	20,880	3,370	19.25%
520200 - Xerox Supplies	12,592	5,400	3,400	3,985	(1,415)	-26.20%
520300 - Clothing Supplies	21,630	18,725	18,725	19,725	1,000	5.34%
520600 - Fuel, Oil and Lube	65,335	106,710	106,710	91,215	(15,495)	-14.52%

## Expense Detail (continued)

Rowlett Creek RWWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies (continued)</b>						
520610 - Generator Fuel	\$ -	\$ -	\$ -	\$ 28,935	\$ 28,935	0.00%
520630 - Toll Fees	115	250	250	350	100	40.00%
520700 - Machine Oil & Lube	9,379	8,665	8,665	17,045	8,380	96.71%
520800 - Small Tools & Equip	42,131	71,520	71,520	81,250	9,730	13.60%
520810 - Fire Extinguishers	116	1,000	1,000	1,000	-	0.00%
520900 - Janitorial Supplies	3,572	2,910	2,910	2,910	-	0.00%
521000 - Laboratory Supplies	16,196	31,830	31,830	28,060	(3,770)	-11.84%
521100 - Medical Supplies	228	1,355	1,355	1,355	-	0.00%
521110 - Safety Supplies	14,609	37,100	37,100	27,665	(9,435)	-25.43%
521200 - Chem - Other	184,756	186,720	319,675	286,630	99,910	53.51%
521203 - Chem - Chlorine	164,506	187,020	202,020	298,200	111,180	59.45%
521206 - Chem - Carbon	-	-	-	32,400	32,400	0.00%
521209 - Chem - Polymers	185,024	330,350	242,395	244,000	(86,350)	-26.14%
521210 - Chem - Hypochlorite	5,626	17,850	17,850	41,675	23,825	133.47%
521211 - Chem - Sulfur Dioxide	80,987	117,000	117,000	153,600	36,600	31.28%
521212 - Chem - Liq Ferr Sulfate	292,719	361,620	301,620	340,090	(21,530)	-5.95%
521214 - Chem - Caustic	-	12,220	12,220	10,970	(1,250)	-10.23%
521300 - Botanical Supplies	410	6,500	6,500	6,500	-	0.00%
521400 - Electrical Supplies	108,638	88,260	98,260	84,460	(3,800)	-4.31%
521500 - Mechanical Supplies	235,709	120,550	140,550	121,350	800	0.66%
521700 - Building Supplies	8,499	10,000	41,000	10,000	-	0.00%
521900 - Vehicle Supplies	30,985	32,500	32,500	29,555	(2,945)	-9.06%
521910 - Tires and Tubes	21,309	25,220	25,220	25,355	135	0.54%
522000 - Equipment Supplies	7,586	16,250	16,250	16,250	-	0.00%
522100 - Welding Supplies	2,585	3,100	3,100	4,250	1,150	37.10%
522200 - Road Maint Supplies	5,772	2,500	2,500	2,500	-	0.00%
523000 - Other Supplies	44,545	63,800	63,800	64,800	1,000	1.57%
<b>Supplies Total</b>	<b>\$ 1,581,832</b>	<b>\$ 1,889,435</b>	<b>\$ 1,948,435</b>	<b>\$ 2,103,390</b>	<b>\$ 213,955</b>	<b>11.32%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 17,106	\$ 15,885	\$ 21,885	\$ 27,855	\$ 11,970	75.35%
530400 - Fire & Exten Cov Ins	13,065	15,525	15,525	19,505	3,980	25.64%
530900 - General Liability Ins	4,525	8,285	9,285	11,320	3,035	36.63%
531000 - Telephone	1,693	1,800	1,800	1,800	-	0.00%
531020 - Internet Service	29,731	28,410	44,410	28,700	290	1.02%
531100 - Electric Power	876,870	1,200,000	2,512,560	973,370	(226,630)	-18.89%
531110 - Nat Gas, Butane & Kero	-	720	720	720	-	0.00%
531120 - Retail Water Service	23,968	19,200	19,200	19,200	-	0.00%
531300 - Engin/Consultant Svc	-	-	60,000	-	-	0.00%
531310 - Special Studies & Rpts	17,800	33,450	39,450	33,450	-	0.00%
531400 - Legal Service	7,119	21,000	21,000	16,000	(5,000)	-23.81%
531700 - Advertising	-	1,590	1,590	4,600	3,010	189.31%
531800 - Rent or Lease Payment	3,212	12,300	29,300	273,960	261,660	2127.32%

## Expense Detail (continued)

Rowlett Creek RWWTP	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services (continued)</b>						
531900 - Travel and Training	\$ 7,278	\$ 20,080	\$ 20,080	\$ 34,035	\$ 13,955	69.50%
532000 - Mem & Subscriptions	4,698	8,595	8,745	6,615	(1,980)	-23.04%
532100 - Vehicle Maint	28,437	28,155	28,155	29,155	1,000	3.55%
532110 - Veh Maint by Solid Waste	24,722	25,000	25,000	25,000	-	0.00%
532200 - Equipment Maintenance	79,002	470,900	105,300	483,450	12,550	2.67%
532700 - Radio Maintenance	-	500	500	500	-	0.00%
532800 - Grounds Maintenance	9,410	17,010	17,010	19,010	2,000	11.76%
532850 - Building Maintenance	-	58,750	58,750	69,485	10,735	18.27%
532900 - Electrical Sys Maint	-	88,420	70,470	88,420	-	0.00%
533000 - Other Services	109,369	124,525	339,525	84,375	(40,150)	-32.24%
533020 - Contract Labor	50	-	-	-	-	0.00%
533030 - Contractual Safety Serv	1,125	8,535	8,535	8,535	-	0.00%
533100 - Administration	17,595	17,060	17,060	16,975	(85)	-0.50%
533380 - Odor Control Crew	16,429	20,000	20,000	20,000	-	0.00%
533500 - Lab Svc - Contract	9,219	11,170	11,170	11,170	-	0.00%
533630 - Landfill Service Fees	700,527	839,025	839,025	842,740	3,715	0.44%
533900 - Permits, Ins, & Lic Fees	74,724	79,175	79,175	79,175	-	0.00%
534000 - Uninsured losses	-	-	8,300	-	-	0.00%
Shared Services	1,830,513	1,603,640	1,573,640	1,845,355	241,715	15.07%
<b>Services Total</b>	<b>\$ 3,908,188</b>	<b>\$ 4,778,705</b>	<b>\$ 6,007,165</b>	<b>\$ 5,074,475</b>	<b>\$ 295,770</b>	<b>6.19%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 2,442	\$ 250,500	\$ 250,500	\$ 447,000	\$ 196,500	78.44%
540400 - Office Equipment	-	55,000	-	55,000	-	0.00%
540500 - Machinery	185,538	276,100	276,100	195,300	(80,800)	-29.26%
540700 - Non-Vehicle Equipment	119,415	30,000	70,000	30,000	-	0.00%
<b>Capital Outlay Total</b>	<b>\$ 307,395</b>	<b>\$ 611,600</b>	<b>\$ 596,600</b>	<b>\$ 727,300</b>	<b>\$ 115,700</b>	<b>18.92%</b>
<b>Grand Total</b>	<b>\$ 8,372,432</b>	<b>\$ 9,938,700</b>	<b>\$11,178,490</b>	<b>\$10,704,560</b>	<b>\$ 765,860</b>	<b>7.71%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$765,860 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Wages, Insurance and Retirement costs.
- An overall increase in Chemicals due to higher chemical costs and increased flow projections.
- Rent or Lease Payment increased for two ninety-ton crane rentals needed for quarterly membrane bioreactor cassette preventative maintenance and other corrective maintenance.
- Electric Power decreased based on estimated usage.
- Shared Services allocation increased for FY22.
- Vehicle equipment increased to replace two roll-off trucks and to purchase two cargo carts needed to perform maintenance and operate the membrane bioreactor process.

## South Mesquite RWWTP

### Overview

The South Mesquite Regional Wastewater Treatment Plant is a 33 MGD conventional and biological nutrient removal plant located at 3500 Lawson Road in Mesquite, Texas. This plant utilizes Ultraviolet (UV) for disinfection and treats wastewater from the Cities of Forney, Heath, Mesquite, Rockwall and Seagoville.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### **Service: Provide superior water, wastewater and solid waste services today and tomorrow**

- Apply proven technologies and processes to reliably and efficiently meet or surpass regulatory requirements.
- Leverage NTMWD's computerized maintenance management system (CMMS) to increase equipment reliability, effectiveness and efficiency and reduce equipment downtime and failures.
- Produce and maintain a five-year plan to meet wastewater treatment needs today and in the future.

#### **Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Ensure compliance with water quality requirements. The plant discharges into South Mesquite Creek and then flows into the East Fork of the Trinity River, under the following permit limits:
  - 7 mg/L CBOD, 15 mg/L TSS, 3 mg/L Ammonia
- Manage budgets in a disciplined and transparent manner.
- Continually evaluate technologies and processes that could improve water quality, lower costs or improve operational efficiency.

#### **Partnership: Actively collaborate with members, customers, partners, employees and stakeholders**

- Continue to collaborate with cities through increased dialogue and partnering efforts.
- Continue to operate plants in a manner that maintains a good neighbor status.
- Engage and communicate with cities served regarding wastewater services provided and future needs.

#### **People: Build a talented, competent and committed team**

- Continue to invest in comprehensive employee training and development programs.
- Provide safe facilities and working conditions.
- Attract and retain a highly qualified workforce through enhanced recruitment and competitive compensation.

### Major Budget Drivers

- Chemicals for treatment
- Personnel
- Electrical power
- Landfill Disposal Fees

## Position Summary

### South Mesquite RWWTP

Full-Time Positions	FY21	FY22	Difference
Assistant Wastewater System Manager	1.00	-	(1.00)
Chief Wastewater Plant Operator	2.00	2.00	-
Information Systems Assistant	1.00	1.00	-
Lead Maintenance Technician	1.00	1.00	-
Lead Wastewater Plant Operator	4.00	4.00	-
Mechanic's Assistant	2.00	2.00	-
Regional Wastewater System Manager	1.00	1.00	-
Transport Driver	5.00	4.00	(1.00)
Wastewater Mechanic	1.00	1.00	-
Wastewater Operations Technical Support Manager	-	1.00	1.00
Wastewater Plant Operator II	11.00	13.00	2.00
Wastewater Plant Operator III	6.00	6.00	-
Wastewater Plant Supervisor III	1.00	1.00	-
<b>Total Full-Time Positions</b>	<b>36.00</b>	<b>37.00</b>	<b>1.00</b>

## Expense Detail

South Mesquite RWWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 2,232,017	\$ 2,284,430	\$ 2,015,680	\$ 2,277,570	\$ (6,860)	-0.30%
511060 - Overtime	279,717	248,000	265,000	300,000	52,000	20.97%
512000 - Social Security	187,906	174,305	185,920	174,260	(45)	-0.03%
513000 - Workers' Comp Ins	54,928	49,290	50,800	42,080	(7,210)	-14.63%
513010 - Unemployment Ins	8,388	-	-	-	-	0.00%
513020 - Hospitalization Ins	466,424	498,240	453,525	534,385	36,145	7.25%
513040 - Dental Ins	21,415	22,885	22,565	24,720	1,835	8.02%
513060 - Life Ins	5,355	6,120	4,940	5,555	(565)	-9.23%
514000 - Retirement	301,530	307,510	307,510	351,050	43,540	14.16%
514010 - Retiree - Insurance	52,605	53,650	146,945	98,250	44,600	83.13%
514020 - Comp Absences-vacation	11,695	38,285	38,285	47,810	9,525	24.88%
514030 - Comp Absences-sick	-	71,405	71,405	-	(71,405)	-100.00%
515000 - Cell Phone Stipend	11,840	12,840	10,840	12,715	(125)	-0.97%
<b>Personnel Total</b>	<b>\$ 3,633,819</b>	<b>\$ 3,766,960</b>	<b>\$ 3,573,415</b>	<b>\$ 3,868,395</b>	<b>\$ 101,435</b>	<b>2.69%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 4,534	\$ 6,140	\$ 6,140	\$ 6,720	\$ 580	9.45%
520110 - Computer Supplies	25,060	17,890	17,890	29,745	11,855	66.27%
520200 - Xerox Supplies	6,034	4,800	4,800	6,280	1,480	30.83%
520300 - Clothing Supplies	15,822	22,135	22,135	19,300	(2,835)	-12.81%
520600 - Fuel, Oil and Lube	89,091	87,180	87,180	94,380	7,200	8.26%
520610 - Generator Fuel	1,235	11,000	6,000	8,800	(2,200)	-20.00%
520630 - Toll Fees	2,153	3,000	3,000	3,070	70	2.33%
520700 - Machine Oil & Lube	11,185	10,140	11,640	10,080	(60)	-0.59%

## Expense Detail (continued)

South Mesquite RWWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520800 - Small Tools & Equip	\$ 17,571	\$ 23,980	\$ 30,980	\$ 46,480	\$ 22,500	93.83%
520810 - Fire Extinguishers	-	500	500	500	-	0.00%
520900 - Janitorial Supplies	5,852	4,500	4,500	4,500	-	0.00%
521000 - Laboratory Supplies	16,105	8,830	9,830	11,130	2,300	26.05%
521100 - Medical Supplies	814	500	500	500	-	0.00%
521110 - Safety Supplies	24,724	22,810	22,810	19,835	(2,975)	-13.04%
521200 - Chem - Other	148,627	229,880	229,880	271,100	41,220	17.93%
521203 - Chem - Chlorine	82,861	23,200	23,200	38,520	15,320	66.03%
521209 - Chem - Polymers	301,593	303,800	303,800	344,770	40,970	13.49%
521210 - Chem - Hypochlorite	4,339	14,690	14,690	19,400	4,710	32.06%
521211 - Chem - Sulfur Dioxide	43,094	-	-	-	-	0.00%
521214 - Chem - Caustic	-	9,025	9,025	8,100	(925)	-10.25%
521215 - Chem - Bioxide	299,395	369,565	369,565	381,610	12,045	3.26%
521300 - Botanical Supplies	882	2,000	2,000	2,000	-	0.00%
521400 - Electrical Supplies	182,993	203,900	228,900	191,100	(12,800)	-6.28%
521500 - Mechanical Supplies	263,000	298,700	331,975	364,650	65,950	22.08%
521700 - Building Supplies	6,813	7,500	7,500	7,500	-	0.00%
521900 - Vehicle Supplies	64,008	40,250	40,250	40,320	70	0.17%
521910 - Tires and Tubes	25,804	31,680	31,680	31,780	100	0.32%
522000 - Equipment Supplies	124,428	104,525	109,525	139,025	34,500	33.01%
522100 - Welding Supplies	291	2,500	2,500	2,500	-	0.00%
522200 - Road Maint Supplies	1,907	3,000	8,000	3,000	-	0.00%
523000 - Other Supplies	231,281	81,040	81,040	91,520	10,480	12.93%
<b>Supplies Total</b>	<b>\$ 2,001,494</b>	<b>\$ 1,948,660</b>	<b>\$ 2,021,435</b>	<b>\$ 2,198,215</b>	<b>\$ 249,555</b>	<b>12.81%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 18,619	\$ 17,530	\$ 22,830	\$ 30,810	\$ 13,280	75.76%
530400 - Fire & Exten Cov Ins	28,741	34,155	34,155	42,890	8,735	25.57%
530900 - General Liability Ins	3,843	5,480	7,080	9,470	3,990	72.81%
531000 - Telephone	4,941	4,800	4,800	4,800	-	0.00%
531020 - Internet Service	78,358	80,880	247,080	92,070	11,190	13.84%
531100 - Electric Power	757,096	1,000,000	2,082,215	775,000	(225,000)	-22.50%
531120 - Retail Water Service	8,125	7,200	12,200	7,200	-	0.00%
531310 - Special Studies & Rpts	24,854	86,860	56,860	58,430	(28,430)	-32.73%
531400 - Legal Service	8,844	11,000	11,000	6,500	(4,500)	-40.91%
531700 - Advertising	209	1,590	1,590	4,600	3,010	189.31%
531800 - Rent or Lease Payment	155,823	17,800	17,800	17,685	(115)	-0.65%
531900 - Travel and Training	6,872	42,380	22,380	66,875	24,495	57.80%
532000 - Mem & Subscriptions	7,370	12,830	13,210	9,400	(3,430)	-26.73%
532100 - Vehicle Maint	40,934	26,805	36,805	38,805	12,000	44.77%
532110 - Veh Maint by Solid Waste	29,758	19,200	39,200	30,000	10,800	56.25%
532200 - Equipment Maintenance	279,417	202,500	242,500	209,900	7,400	3.65%
532800 - Grounds Maintenance	28,841	34,000	34,000	35,000	1,000	2.94%
532850 - Building Maintenance	50,942	274,000	274,000	160,670	(113,330)	-41.36%



## Expense Detail (continued)

South Mesquite RWWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services (continued)</b>						
532900 - Electrical Sys Maint	\$ 93,286	\$ 125,000	\$ 5,000	\$ 75,000	\$ (50,000)	-40.00%
533000 - Other Services	351,187	114,575	146,725	301,500	186,925	163.15%
533020 - Contract Labor	-	12,000	-	12,000	-	0.00%
533030 - Contractual Safety Serv	1,125	1,760	1,760	1,295	(465)	-26.42%
533100 - Administration	23,545	22,260	22,260	21,655	(605)	-2.72%
533380 - Odor Control Crew	2,079	6,000	6,000	6,000	-	0.00%
533500 - Lab Svc - Contract	12,117	11,930	11,930	11,930	-	0.00%
533630 - Landfill Service Fees	1,299,831	1,241,370	1,241,370	1,278,420	37,050	2.98%
533900 - Permits, Ins, & Lic Fees	124,270	129,440	129,440	135,615	6,175	4.77%
534000 - Uninsured losses	-	-	15,000	-	-	0.00%
Shared Services	2,274,274	2,391,760	2,258,630	2,707,155	315,395	13.19%
<b>Services Total</b>	<b>\$ 5,715,301</b>	<b>\$ 5,935,105</b>	<b>\$ 6,997,820</b>	<b>\$ 6,150,675</b>	<b>\$ 215,570</b>	<b>3.63%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 56,596	\$ 330,000	\$ 338,900	\$ 86,000	\$ (244,000)	-73.94%
540400 - Office Equipment	-	-	-	10,000	10,000	0.00%
540500 - Machinery	285,020	297,000	267,825	497,875	200,875	67.63%
540700 - Non-Vehicle Equipment	43,500	-	-	60,000	60,000	0.00%
541000 - Laboratory Equipment	-	-	-	6,500	6,500	0.00%
542000 - Other Capital Outlay	-	120,000	70,000	-	(120,000)	-100.00%
<b>Capital Outlay Total</b>	<b>\$ 385,115</b>	<b>\$ 747,000</b>	<b>\$ 676,725</b>	<b>\$ 660,375</b>	<b>\$ (86,625)</b>	<b>-11.60%</b>
<b>Grand Total</b>	<b>\$11,735,730</b>	<b>\$12,397,725</b>	<b>\$13,269,395</b>	<b>\$12,877,660</b>	<b>\$ 479,935</b>	<b>3.87%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$479,935 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Overtime, Insurance and Retirement costs.
- An overall increase in Chemicals due to higher chemical costs.
- Mechanical Supplies increased to replace or rehabilitate aging equipment.
- Other Services increased for the coating of weirs, rake assembly and center well needed to preserve the integrity of the equipment.
- Shared Services allocation increased due to higher expenses and allocation changes in the Shared Service Fund.
- Machinery increased to replace the center well and support system for a primary clarifier but it was offset by decreased spending in Vehicle Equipment and Other Capital Outlay.

Wilson Creek WWTP



# UPPER EAST FORK INTERCEPTOR SYSTEM

## Upper East Fork Interceptor System

The Upper East Fork Interceptor System (UEFIS) is responsible for the conveyance of wastewater for the Member Cities of Allen, Frisco, McKinney, Melissa, Plano, Princeton, Prosper and Richardson; and the Customer Cities of Anna, Fairview, Lucas and Parker to the District's Regional Wastewater System for treatment. The UEFIS consists of 161 miles of pipelines, 19 lift stations and numerous meter stations. During FY20 the UEFIS conveyed approximately 26.1 billion gallons of wastewater for Member Cities and Customers.

### Revenues and Expenditures

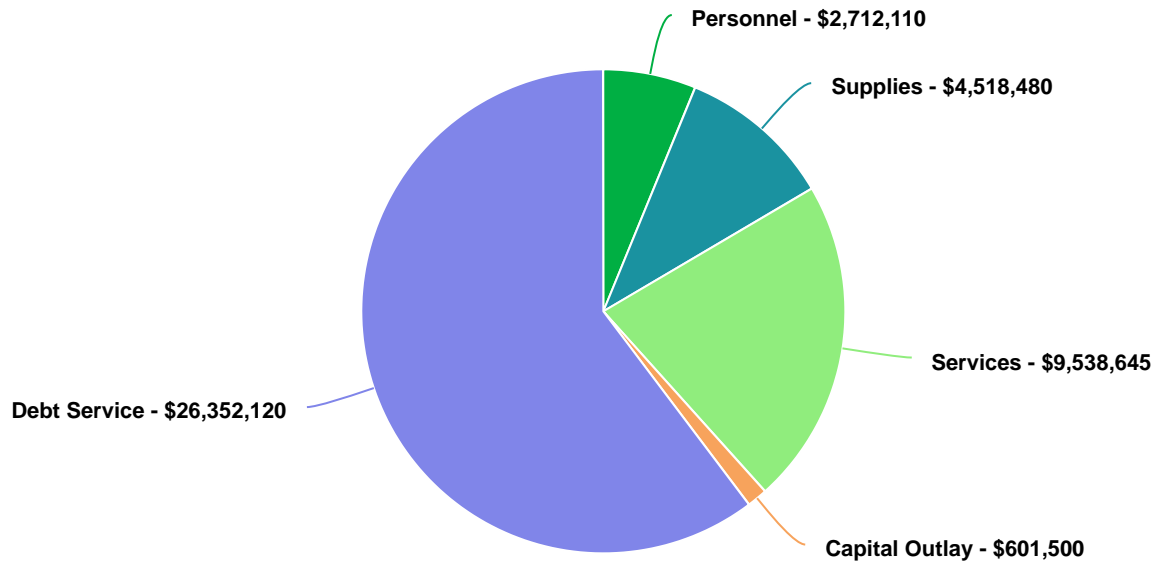
	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>	<b>\$ 37,911,473</b>	<b>\$ 39,961,760</b>	<b>\$ 41,550,000</b>	<b>\$ 43,722,855</b>	<b>\$ 3,761,095</b>	<b>9.41%</b>
<b>Expenditures</b>						
Personnel	\$ 2,234,596	\$ 2,279,335	\$ 2,275,150	\$ 2,712,110	\$ 432,775	18.99%
Supplies	2,855,389	4,484,145	4,484,395	4,518,480	34,335	0.77%
Services	7,621,346	8,473,580	10,065,755	9,538,645	1,065,065	12.57%
Capital Outlay	275,488	170,000	170,000	601,500	431,500	253.82%
Escrow	58,030	-	-	-	-	0.00%
Debt Service	24,866,625	24,554,700	24,554,700	26,352,120	1,797,420	7.32%
<b>Total</b>	<b>\$ 37,911,473</b>	<b>\$ 39,961,760</b>	<b>\$ 41,550,000</b>	<b>\$ 43,722,855</b>	<b>\$ 3,761,095</b>	<b>9.41%</b>

The FY21 Amended Budget for expenditures and revenues totals \$41,550,000, which is \$1,588,240 or 3.97% greater than the FY21 Original Budget of \$39,961,760. The increase is related to high electric power bills as a result of Winter Storm Uri.

For the FY22 Annual Budget, the total UEFIS expenditures are \$43,722,855, which is \$3,761,095 or 9.41% greater than the FY21 Original Budget. Major budget variances are explained below:

- Increase in Debt Service of \$1,797,420 as a result of higher debt service payments with the financing of \$85 million in bonds and ECP.
- Increase in Services of \$1,065,065 due to a higher Shared Services allocation. In addition, increases in Special Studies & Reports and Pipeline Maintenance to perform lift station condition assessment and scheduled pipeline inspections and cleanings per the CMOM plan.
- Increase in Personnel of \$432,775 for higher wages and insurance/retirement costs, and to fund a new Lead Maintenance Technician position.
- Increase in Capital Outlay of \$431,500 to purchase two new vehicles and replace three vehicles per the fleet replacement schedule. Non-vehicle Equipment purchases include a bioscrubber fan for the Lower Rowlett Creek Lift Station, replacement variable frequency drives and other replacement pumps and motors.

## PROPOSED BUDGETED EXPENDITURES

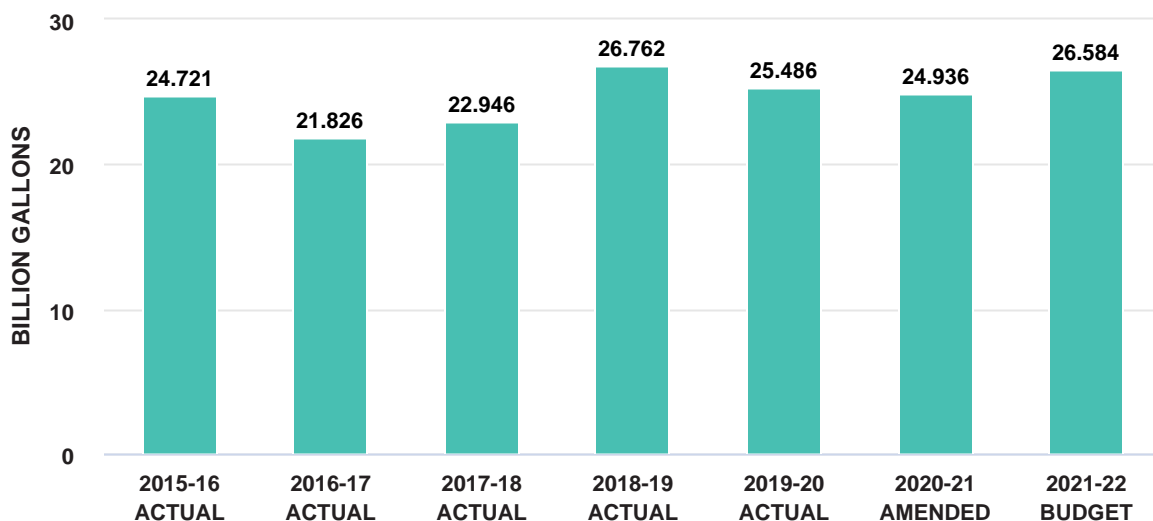


## Annual Flows

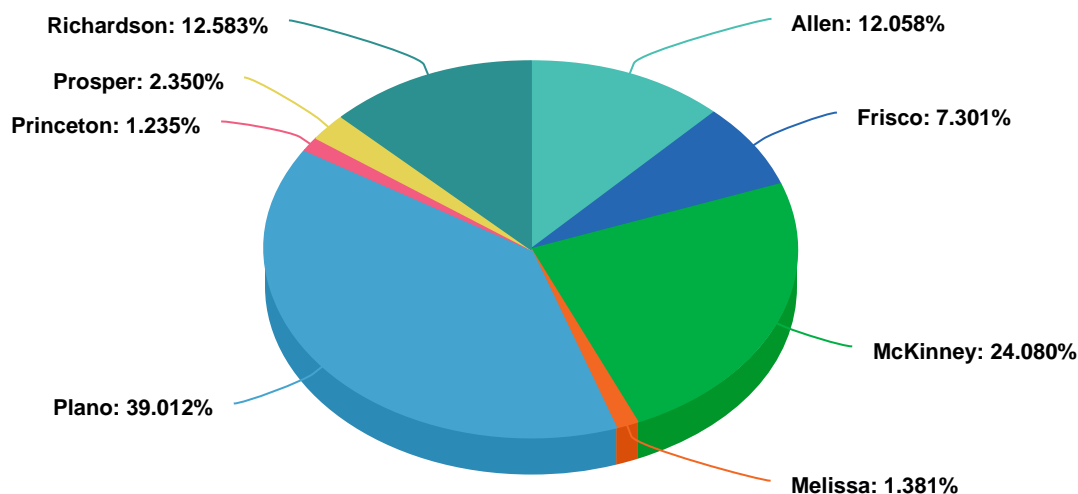
UEFIS has been constructed under a common bond pledge and the participating cities share the cost for wastewater transportation on the basis of proportional flows. Charges are based on current budgeted expenditures and are allocated to each city at the beginning of the year based on estimated flows. At the end of the year, the actual cost for each city is determined based on actual flows and final billing adjustments are applied accordingly.

Flow rates are captured throughout the system. Member City amended annual flows for FY21 are 24.9 billion gallons. Member City flows for FY22 are estimated to be 26.6 billion gallons. Member City flow information is presented below.

## UEFIS MEMBER CITY ANNUAL FLOWS



## PROPOSED BUDGET MEMBER CITY COST ALLOCATION



### Member City Charges

Cities	2019-20		2020-21		2020-21		2021-22	
	Actuals		Original Budget		Amended Budget		Proposed Budget	
Allen	\$	4,418,355	\$	4,766,881	\$	4,608,785	\$	5,046,194
Frisco		2,408,150		2,398,564		2,790,791		3,055,658
McKinney		8,690,263		8,987,403		9,203,908		10,077,428
Melissa		514,523		536,983		554,873		577,969
Plano		14,433,602		15,358,833		14,911,223		16,326,413
Princeton		576,763		582,579		472,016		516,814
Prosper		755,363		788,337		898,231		983,480
Richardson		4,452,284		4,758,275		4,809,378		5,265,824
<b>Total</b>	<b>\$</b>	<b>36,249,301</b>	<b>\$</b>	<b>38,177,855</b>	<b>\$</b>	<b>38,249,205</b>	<b>\$</b>	<b>41,849,780</b>
<b>Flow</b>		<b>25,486,487</b>		<b>25,719,095</b>		<b>24,936,391</b>		<b>26,583,688</b>
<b>Cost per 1,000</b>	<b>\$</b>	<b>1.42</b>	<b>\$</b>	<b>1.48</b>	<b>\$</b>	<b>1.53</b>	<b>\$</b>	<b>1.57</b>

### Cost Allocation for Member Cities

The total charges to be allocated to the Member Cities for FY22 are \$41,849,780 after deducting interest and other revenue in the estimated amount of \$1,873,075 from the proposed budget of \$43,722,855.



## UEFIS Fund Balances

### Capital Improvement Fund 9/30/21

**Projected Balance:**

07/31/21	Fund Balance	\$ 3,981,722
	Remaining Payments to be made on Authorized Projects	(1,188,129)
	Remaining Budgeted Transfers from Operating Fund	-
09/30/21	Expected Fund Balance	<u>2,793,593</u>
	Balance Transfers from Operating Fund	-
	Expected Projects	(8,987,000)
	Reimbursement from Cities of Allen and Fairview - Project 521	7,500,000
	Interest Income	1,676
09/30/22	Balance Available for Future Projects	<u><u>\$ 1,308,269</u></u>

### Reserve for Maintenance Fund 9/30/21

**Projected Balance:**

09/30/21	Expected Fund Balance	\$ 9,436
	Balance Transfers from Operating Fund	-
	Expected Projects	-
	Interest Income	6
09/30/22	Balance Available for Future Projects	<u><u>\$ 9,442</u></u>

### Preventative Maintenance Escrow 9/30/21

**Projected Balance:**

09/30/21	Expected Fund Balance	\$ 919,404
	Balance Transfers from Operating Fund	-
	Expected Projects	-
	Interest Income	552
09/30/22	Balance Available for Future Projects	<u><u>\$ 919,956</u></u>

## Upper East Fork Interceptor System

### FY2022 Department Objectives (Supporting Strategic Goals)

**Service: Provide superior water, wastewater and solid waste services today and tomorrow**

- Implement best management practices related to Capacity, Management, Operation and Maintenance (CMOM).
- Expand pipelines and lift stations as needed to convey wastewater received from the cities.

**Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Implement appropriate preventive maintenance activities to improve equipment efficiency and extend useful life.
- Inspect 10% of the gravity pipelines and manholes on an annual basis in accordance with the District CMOM Plan and Sanitary Sewer Overflow Initiative Agreement with the TCEQ. Utilize data to make informed decisions regarding system rehabilitation and associated investments.

**Partnership: Actively collaborate with members, customers, partners, employees and stakeholders**

- Continue to collaborate with Member Cities and Customers to evaluate and plan for the capacity needs of the UEFIS.
- Prepare and execute training activities which benefit Member Cities and Customers.

**People: Build a talented, competent and committed team**

- Utilize effective communication and coaching techniques to realize professional development of the team.

### Major Budget Drivers

- Personnel
- Odor Control Chemicals
- Electric Power
- Pipeline Maintenance
- Debt Service for Capital Improvements

## Position Summary

UEFIS			
Full-Time Positions	FY21	FY22	Difference
Chief Wastewater Conveyance Operator	1.00	1.00	-
CMOM Program Manager	1.00	1.00	-
Information Systems Assistant	1.00	1.00	-
Lead Maintenance Technician	-	1.00	1.00
Lead Odor Control Operator	-	1.00	1.00
Lead Wastewater Conveyance Operator	2.00	2.00	-
Lead Wastewater Plant Operator	1.00	-	(1.00)
Odor Control Operator II	-	2.00	2.00
Odor Control Worker	2.00	-	(2.00)
Professional Engineer	1.00	1.00	-
Wastewater Conveyance Operator II	8.00	8.00	-
Wastewater Conveyance Operator III	3.00	3.00	-
Wastewater Conveyance Supervisor II	1.00	1.00	-
Wastewater Conveyance System Manager	1.00	1.00	-
Wastewater Technician I (Operations Data Specialist I - In Lieu Of)	0.30	-	(0.30)
<b>Total Full-Time Positions</b>	<b>22.30</b>	<b>23.00</b>	<b>0.70</b>

## Expense Detail

UEFIS	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 1,442,031	\$ 1,468,495	\$ 1,465,235	\$ 1,733,930	\$ 265,435	18.08%
511060 - Overtime	116,473	135,000	135,000	135,000	-	0.00%
512000 - Social Security	113,517	110,630	114,145	130,540	19,910	18.00%
513000 - Workers' Comp Ins	28,893	25,895	27,840	25,030	(865)	-3.34%
513020 - Hospitalization Ins	286,248	302,585	283,340	346,460	43,875	14.50%
513040 - Dental Ins	14,622	15,565	15,590	18,280	2,715	17.44%
513060 - Life Ins	3,447	3,930	3,615	4,195	265	6.74%
514000 - Retirement	186,880	173,180	173,180	231,285	58,105	33.55%
514010 - Retiree - Insurance	32,605	30,215	43,925	64,730	34,515	114.23%
514020 - Comp Absences-vacation	-	3,280	3,280	5,340	2,060	62.80%
514030 - Comp Absences-sick	-	-	-	5,880	5,880	0.00%
515000 - Cell Phone Stipend	9,880	10,560	10,000	11,440	880	8.33%
<b>Personnel Total</b>	<b>\$ 2,234,596</b>	<b>\$ 2,279,335</b>	<b>\$ 2,275,150</b>	<b>\$ 2,712,110</b>	<b>\$ 432,775</b>	<b>18.99%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 2,314	\$ 2,750	\$ 2,750	\$ 2,210	\$ (540)	-19.64%
520110 - Computer Supplies	23,412	26,710	26,710	32,685	5,975	22.37%
520200 - Xerox Supplies	8,463	10,800	3,800	640	(10,160)	-94.07%
520300 - Clothing Supplies	6,709	13,125	13,125	13,125	-	0.00%
520600 - Fuel, Oil and Lube	50,471	76,210	76,210	76,700	490	0.64%
520610 - Generator Fuel	19,535	17,000	17,000	17,000	-	0.00%
520630 - Toll Fees	3,536	2,500	5,250	5,085	2,585	103.40%
520700 - Machine Oil & Lube	1,326	2,500	2,500	2,500	-	0.00%
520800 - Small Tools & Equip	150,338	156,720	156,720	169,720	13,000	8.30%
520810 - Fire Extinguishers	104	300	300	300	-	0.00%

## Expense Detail (continued)

UEFIS	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies (continued)</b>						
520900 - Janitorial Supplies	\$ 1,420	\$ 1,500	\$ 1,000	\$ 1,500	\$ -	0.00%
521000 - Laboratory Supplies	1,130	500	1,500	1,200	700	140.00%
521100 - Medical Supplies	3,752	4,000	4,000	4,000	-	0.00%
521110 - Safety Supplies	24,573	33,075	33,075	34,450	1,375	4.16%
521200 - Chem - Other	219,550	1,739,500	1,779,500	1,779,500	40,000	2.30%
521208 - Chem - Ferric Chloride	328,668	1,400,000	1,900,000	1,900,000	500,000	35.71%
521215 - Chem - Bioxide	1,456,950	500,000	-	-	(500,000)	-100.00%
521217 - Chem - Hydro Peroxide	162,084	40,000	-	-	(40,000)	-100.00%
521300 - Botanical Supplies	5,400	100	100	100	-	0.00%
521400 - Electrical Supplies	102,079	130,000	105,000	130,000	-	0.00%
521500 - Mechanical Supplies	87,077	120,000	95,000	120,000	-	0.00%
521600 - Pipeline Supplies	136,394	120,600	170,600	137,600	17,000	14.10%
521700 - Building Supplies	3,845	7,000	7,000	7,000	-	0.00%
521900 - Vehicle Supplies	9,337	12,350	14,350	16,040	3,690	29.88%
521910 - Tires and Tubes	8,665	12,160	12,160	12,380	220	1.81%
522000 - Equipment Supplies	30,106	40,125	40,125	40,125	-	0.00%
522100 - Welding Supplies	-	100	100	100	-	0.00%
522200 - Road Maint Supplies	-	7,200	9,200	7,200	-	0.00%
523000 - Other Supplies	8,152	7,320	7,320	7,320	-	0.00%
<b>Supplies Total</b>	<b>\$ 2,855,389</b>	<b>\$ 4,484,145</b>	<b>\$ 4,484,395</b>	<b>\$ 4,518,480</b>	<b>\$ 34,335</b>	<b>0.77%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 11,244	\$ 10,185	\$ 12,590	\$ 17,420	\$ 7,235	71.04%
530400 - Fire & Exten Cov Ins	42,900	50,975	51,725	66,235	15,260	29.94%
530530 - Pollution Cont Liab Ins	527	560	560	615	55	9.82%
530900 - General Liability Ins	15,768	26,045	40,785	52,830	26,785	102.84%
531020 - Internet Service	38,758	50,280	50,280	62,380	12,100	24.07%
531100 - Electric Power	1,322,962	1,480,000	3,357,550	1,250,000	(230,000)	-15.54%
531120 - Retail Water Service	30,369	38,400	33,400	38,400	-	0.00%
531200 - Bank Service Fees	474	700	700	700	-	0.00%
531310 - Special Studies & Rpts	345,084	311,500	311,500	711,500	400,000	128.41%
531400 - Legal Service	138	10,000	7,500	10,000	-	0.00%
531700 - Advertising	253	750	750	750	-	0.00%
531800 - Rent or Lease Payment	38,254	80,000	91,500	92,595	12,595	15.74%
531900 - Travel and Training	5,028	22,610	17,610	36,460	13,850	61.26%
532000 - Mem & Subscriptions	820	925	925	11,110	10,185	1101.08%
532100 - Vehicle Maint	14,018	5,000	5,000	7,500	2,500	50.00%
532110 - Veh Maint by Solid Waste	8,739	4,000	14,000	7,500	3,500	87.50%
532200 - Equipment Maintenance	214,998	265,000	263,500	285,000	20,000	7.55%
532220 - Pipeline Maintenance	2,209,081	2,175,000	1,925,000	2,325,000	150,000	6.90%
532230 - Facilities Maintenance	227,560	185,000	85,000	198,000	13,000	7.03%
532800 - Grounds Maintenance	27,547	220,040	220,040	221,240	1,200	0.55%
532900 - Electrical Sys Maint	71,608	130,000	130,000	103,700	(26,300)	-20.23%
533000 - Other Services	254,119	35,000	35,000	35,000	-	0.00%

## Expense Detail (continued)

UEFIS	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services (continued)</b>						
533030 - Contractual Safety Serv	\$ 5,616	\$ 25,440	\$ 25,440	\$ 25,440	\$ -	0.00%
533100 - Administration	26,210	25,025	25,025	25,620	595	2.38%
533630 - Landfill Service Fees	2,271	5,000	4,230	5,020	20	0.40%
533640 - Hauling Fees	860	5,000	4,000	950	(4,050)	-81.00%
534000 - Uninsured losses	1,000	-	41,000	-	-	0.00%
Shared Services	2,705,141	3,311,145	3,311,145	3,947,680	636,535	19.22%
<b>Services Total</b>	<b>\$ 7,621,346</b>	<b>\$ 8,473,580</b>	<b>\$10,065,755</b>	<b>\$ 9,538,645</b>	<b>\$ 1,065,065</b>	<b>12.57%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 126,836	\$ -	\$ 16,000	\$ 331,500	\$ 331,500	0.00%
540700 - Non-Vehicle Equipment	148,652	170,000	154,000	270,000	100,000	58.82%
<b>Capital Outlay Total</b>	<b>\$ 275,488</b>	<b>\$ 170,000</b>	<b>\$ 170,000</b>	<b>\$ 601,500</b>	<b>\$ 431,500</b>	<b>253.82%</b>
<b>Escrow</b>						
550660 - Rsv for Maintenance	\$ 58,030	\$ -	\$ -	\$ -	\$ -	0.00%
<b>Escrow Total</b>	<b>\$ 58,030</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
<b>Capital Improvement</b>						
573010 - Tsf to Capital Impr	\$ 350,000	\$ -	\$ -	\$ -	\$ -	0.00%
<b>Capital Improvement Total</b>	<b>\$ 350,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 24,500,000	\$ 24,534,800	\$ 24,227,500	\$ 26,072,800	\$ 1,538,000	6.27%
571020 - DebtSvc-ECP	-	-	-	195,000	195,000	0.00%
579000 - Bond Service Fees	16,625	19,900	19,900	27,070	7,170	36.03%
579010 - ECP Fees	-	-	307,300	57,250	57,250	0.00%
<b>Debt Service Total</b>	<b>\$24,516,625</b>	<b>\$24,554,700</b>	<b>\$24,554,700</b>	<b>\$26,352,120</b>	<b>\$ 1,797,420</b>	<b>7.32%</b>
<b>Grand Total</b>	<b>\$37,911,473</b>	<b>\$39,961,760</b>	<b>\$41,550,000</b>	<b>\$43,722,855</b>	<b>\$ 3,761,095</b>	<b>9.41%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$3,761,095 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Wages, Insurance, Retirement and Compensated Absences-vacation costs. Also, there is a new Lead Maintenance Technician position and the WW Administration allocation is implemented.
- Special Studies and Reports increased for a lift station condition assessment, the CMOM program management and SCADA improvements.
- Shared Services allocation increased in FY22.
- Electric Power decreased based on estimated usage.
- Vehicle Equipment increased to purchase three vehicles per the District's fleet replacement schedule and one new vehicle for the new position.
- Non-Vehicle Equipment increased to purchase a bioscrubber fan for the Lower Rowlett Creek Lift Station, replacement variable frequency drives and other replacement pumps and motors.
- Debt Service increased as a result of issuing ECP and Bonds for various capital projects.

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# SEWER SYSTEM

Panther Creek Wastewater Treatment Plant



## Sewer System

The Sewer System provides the funding for all special facility contracts and includes wastewater treatment plants owned by the District, wastewater treatment plants owned by cities and operated by the District and special projects funded with pledged revenues by the cities. The special projects include water transmission and storage facilities, interceptor facilities and a wastewater pretreatment program. Below are brief descriptions of each facility, grouped by type.

### Water Transmission Facilities

The District delivers treated water to Member Cities and Customers via hundreds of miles of pipelines to city and customer water storage tanks. The Member Cities and Customers take over delivering water through their distribution systems to the consumer.

The overall management goals and objectives of these smaller water transmission facilities are consistent with those of the Transmission System department as a whole, further described in the Transmission System section of this budget. Specific details of each facility is below.

#### **201 – Little Elm Water Transmission Facilities**

The Little Elm Water Transmission Pipeline was constructed under a facilities contract with the City of Little Elm. The facilities consist of 18,900 linear feet of 30-inch pipeline aligned generally parallel to Eldorado Parkway. The pipeline begins at the City of Frisco No. 3 delivery point (Eldorado Parkway and just east of Research Road) and travels in a westerly direction to the Frisco-Little Elm border (Eldorado Parkway and just east of FM 423). The Little Elm Pipeline terminates at the City of Little Elm Bob Mansell Pump Station. The District provides O&M for this pipeline.

#### **202 – Plano Water Transmission Facilities**

The Plano-Ridgeview Water Transmission Pipeline was constructed under a contract with the City of Plano. The first phase of the facilities consists of 22,750 linear feet of pipeline ranging in size from 54-inches to 72-inches. The pipeline begins at the City of Plano Ridgeview Pump Station and terminates at Legacy Drive. The second phase of the facilities consists of 33,840 linear feet of pipeline ranging in size from 24-inches to 42-inches. This pipeline runs from Legacy Drive to a point south of Park Boulevard, with an east-west segment from Preston Meadow Drive to Spring Creek Parkway west of Preston Road. The District provides maintenance for this pipeline.

#### **204 – Kaufman Four-One Water Distribution Facilities**

The Kaufman Four-One Water Distribution Facilities serves Crandall, Gastonia-Scurry, College Mound and Rose Hill from a delivery point just west of Forney on the Mesquite-Forney Pipeline. The facilities are owned by the four entities and are operated and maintained by the District.

#### **206 – Rockwall-Heath Water Storage Facilities**

The Rockwall-Heath Water Storage Facilities was constructed by the NTMWD under a facilities contract with the Cities of Rockwall and Heath. The facilities consist of a 3 million gallon (MG) ground storage tank.

#### **207 – Terrell Water Transmission Facilities**

The Terrell Water Transmission Facilities were constructed by the NTMWD under a facilities contract with the City of Terrell. The facilities consist of a 3 MG ground storage reservoir, where the city takes delivery of treated water from the District's pipeline, a 12 MGD pump station, a 12 to 30-inch pipeline approximately 9 miles in length and a 16-inch pipeline approximately one-half mile in length.

#### **208 – Rockwall Water Pump Station Facilities**

The Rockwall Water Pump Station was constructed by the NTMWD under a facilities contract with the City of Rockwall. The facilities consist of an 8.6 MGD potable water pump station, which includes three 2.88 MGD vertical turbine pumps, a backup generator, associated electrical and instrumentation components and yard piping.

### Wastewater Treatment Plants

The District owns and operates, or has an operations contract for, 10 wastewater treatment plants (WWTPs) in the Sewer System. One of the plants has been out of service for many years and their respective budget contains funds for equipment maintenance only. The remaining nine active plants are located in Collin, Denton and Rockwall counties. The treatment capacity of the plants range from 0.25 MGD to 10 MGD with a combined treatment capacity for the nine plants of 37.995 MGD. The nine plants provide wastewater treatment for the cities and communities of Farmersville, Fate, Lavon, Murphy, Royse City, Seis Lagos, Wylie and parts of Frisco and Rockwall that have a combined service population of approximately 265,000 citizens.

The overall management goals and objectives of these smaller wastewater treatment plants are consistent with those of the Regional Wastewater System, further described in the Regional Wastewater section of this budget. Specific details of each facility is below.

#### **304 – Wylie Wastewater Treatment Plant - Decommissioned**

The Wylie WWTP was a 2 MGD extended air treatment facility that treated wastewater flow from Wylie before being decommissioned. The decommissioned plant is located at 806 Alanis in Wylie. Previously NTMWD managed the plant but it was turned over to the City of Wylie in FY21 for closure. There are no expenses associated with this plant included in the FY22 budget.

#### **305 – South Rockwall (Buffalo Creek) Wastewater Treatment Plant**

The South Rockwall (Buffalo Creek) WWTP treats wastewater for the southern portion of Rockwall. NTMWD owns and operates this extended air treatment plant that is located at 4920 Horizon Road in Rockwall. The plant has a design capacity of 2.25 MGD and consists of the Buffalo Creek WWTP, the Lakeside Lift Station and accompanying interceptor line. The plant discharges into Buffalo Creek, which flows into the East Fork of the Trinity River below Lake Ray Hubbard. The Buffalo Creek Golf Course utilizes a portion of the plant effluent for irrigation.

#### **306 – North Rockwall (Squabble Creek) Wastewater Treatment Plant**

The North Rockwall (Squabble Creek) WWTP treats wastewater for the northern portion of Rockwall. NTMWD owns and operates the extended air treatment plant that is located at 2215 N. Lakeshore Drive in Rockwall. The plant has a capacity of 1.2 MGD and is equipped with a lift station and pipeline system that allows flow to be diverted away to Buffalo Creek Interceptor System for transfer to the South Mesquite RWWTP. The plant discharges into Squabble Creek, a tributary of Lake Ray Hubbard.

#### **307 – Panther Creek Wastewater Treatment Plant**

The Panther Creek WWTP treats wastewater for the northern portion of Frisco. NTMWD owns and operates the biological nutrient removal plant located at 1825 Panther Creek Road in Frisco. The plant has a treatment capacity of 10 MGD and discharges into Panther Creek, a tributary of Lake Lewisville.

#### **308 – Sabine Creek Wastewater Treatment Plant**

The Sabine Creek WWTP treats wastewater for the Cities of Royse City and Fate. NTMWD owns and operates this plant located at 1513 Crenshaw Road in Royse City. The extended air treatment plant has a capacity of 3.0 MGD and discharges into Sabine Creek, a tributary of Lake Tawakoni.

#### **309 – Stewart Creek Wastewater Treatment Plant**

The Stewart Creek West WWTP treats wastewater for the southern portion of Frisco. NTMWD owns and operates this plant located at 5100 4th Army Drive in Frisco. The current capacity is 10 MGD through a biological nutrient removal process. The plant discharges into Stewart Creek, a tributary of Lake Lewisville.

#### **310 – Muddy Creek Wastewater Treatment Plant**

The Muddy Creek WWTP treats wastewater for the Cities of Wylie and Murphy. The conventional activated sludge plant has a capacity of 10 MGD and is located at 5401 Pleasant Valley Road. The plant discharges into Muddy Creek, a tributary of Lake Ray Hubbard.

#### **311 – Seis Lagos Wastewater Treatment Plant**

The Seis Lagos WWTP treats wastewater for the Seis Lagos subdivision, which is located at 1007 Riva Ridge Road in the Seis Lagos gated community. The Seis Lagos Municipal Utility District constructed this extended air treatment plant designed for 0.25 MGD flow. The permit is in the name of NTMWD and operates in accordance with an annual operating agreement. The plant discharges into Lavon Lake.

#### **312 – Royse City Wastewater Treatment Plant - Decommissioned**

The Royse City WWTP is not in service. Flow was diverted to the Sabine Creek WWTP. The extended air treatment plant has a design capacity of 500,000 gallons per day. The discharge permit is still effective so the plant can be placed back in service if additional capacity is needed prior to the next expansion of the Sabine Creek WWTP.

#### **313 – Farmersville Wastewater Treatment Plant**

NTMWD operates and maintains the Farmersville WWTPs in accordance with an operating agreement with the City of Farmersville. This function consists of two plants. Plant I is a 225,000 gallon per day trickling filter plant. Plant II is a 530,000 gallon per day extended air treatment plant. Both plants discharge into Elm Creek, a tributary of Lavon Lake.



**317 – Lavon (Bear Creek) Wastewater Treatment Plant**

The Lavon (Bear Creek) WWTP treats wastewater for the City of Lavon and is located at 10531 CR 484 in Lavon. The City of Lavon owns this extended air treatment plant, which is under the operation of NTMWD in accordance with a wastewater treatment agreement. The plant has a capacity of 0.25 MGD and is under the process of expansion to 0.5 MGD. The plant discharges into Bear Creek, a tributary of Lake Ray Hubbard.

**Interceptor Facilities**

The District owns and operates nine interceptors in the Sewer System. The Sewer System Interceptors provide wastewater conveyance for the Cities of Fate, Forney, Heath, McKinney, Mesquite, Murphy, Rockwall, Royse City, Seagoville and Wylie. UEFIS staff operate and maintain the interceptors. Staff expenses are allocated to the various interceptor budgets in proportion to the inventory of assets that reside within each interceptor system. The individual interceptor budgets are funded solely by the cities that they serve. When the same interceptor serves multiple cities the costs are based on the percentage of flow contributed by each city.

The overall management goals and objectives of these smaller interceptor facilities are consistent with those of the Upper East Fork Interceptor, further described in the Upper East Fork Interceptor section of this budget. Specific details of each facility is below.

**502 – Forney Interceptor**

The Forney Interceptor Facility transfers wastewater from the City of Forney to the South Mesquite RWWTP. The system consists of a 10.8 MGD lift station, 6,697 feet of gravity sewer and 29,500 feet of pressure sewer main.

**503 – Lower East Fork Interceptor**

The Lower East Fork Interceptor transfers all of the City of Seagoville and a portion of the City of Mesquite wastewater flow to the South Mesquite RWWTP for treatment. The system consists of 26,110 feet of gravity pipelines, a 16 MGD lift station and 22,320 feet of pressure sewer main.

**504 – Muddy Creek Interceptor**

The Muddy Creek Interceptor serves the Cities of Wylie and Murphy. The system consists of 21,360 feet of gravity pipelines that transport flow to the Muddy Creek WWTP for treatment.

**505 – Parker Creek Interceptor**

The Parker Creek Interceptor serves the Cities of Royse City and Fate. The system consists of 26,780 feet of gravity pipelines that transport flow to the Sabine Creek WWTP for treatment.

**506 – Sabine Creek Interceptor**

The Sabine Creek Interceptor transfers wastewater flow for Royse City to the Sabine Creek WWTP for treatment. The system consists of 16,680 feet of gravity pipelines.

**507 – Buffalo Creek Interceptor**

The Buffalo Creek Interceptor transfers wastewater for the Cities of Forney, Heath and Rockwall to the South Mesquite RWWTP for treatment. The system consists of 75,300 feet of gravity pipelines, a 30 MGD lift station and 9,900 feet of pressure sewer main.

**508 – McKinney Interceptor**

The McKinney Interceptor transfers wastewater from McKinney to the Wilson Creek RWWTP for treatment. The system consists of 16,440 feet of gravity pipelines.

**509 – Mustang Creek Interceptor**

The Mustang Creek Interceptor serves a portion of the City of Forney and transfers wastewater to the South Mesquite RWWTP. The system consists of gravity sewers, force mains and the Forney Lift Station. The Forney Mustang Creek Lift Station, Phase I is currently under construction with a firm capacity of 12MGD.

**510 – Parker Creek Parallel Interceptor**

The Parker Creek Parallel Interceptor serves the City of Fate. The system consists of 7,917 feet of gravity pipelines that transport flow to the Sabine Creek WWTP for treatment.

## Wastewater Pretreatment Program

The Pretreatment Program is designed to prevent the introduction of pollutants into a wastewater treatment plant that will interfere with its operation by inhibiting or disrupting the treatment processes or that will pass through the treatment plant into waters thus negatively impacting water quality. The Pretreatment staff investigates potential unlawful discharges into the collection and interceptor systems.

### **604 – Wastewater Pretreatment Program**

The Wastewater Pretreatment Program currently provides pretreatment services for the Cities of Allen, Forney, Frisco, McKinney, Melissa, Mesquite, Plano, Rockwall, Seagoville, Sunnyvale, Terrell and Wylie as required by the EPA and TCEQ pretreatment regulations. The Pretreatment staff, in partnership with city counterparts, manages seven TCEQ approved pretreatment programs covering 8 wastewater treatment plants and 19 cities.

## Charges for Service

Charges for each facility are based on current budgeted expenditure requirements for projected flows. The participating entities for each system are billed. All of the systems are operated on a break-even basis: an adjustment for the difference between actual and budgeted expenditures is prepared at the fiscal year end.



## Revenues and Expenditures

Below is a summary, by facility, of the Sewer System FY21 Original and Amended Budgets and the Proposed FY22 Budget.

	2019-20 Actual	2020-21 Original	2020-21 Amended	2021-22 Proposed
<b>Water Facilities:</b>				
Little Elm Water Transmission Facilities	\$ 396,004	\$ 403,290	\$ 403,290	\$ 282,050
Plano Water Transmission Facilities	3,159	3,670	3,670	3,825
Kaufman 4-1 Water Distribution Facilities	82,408	87,065	184,215	130,350
Rockwall-Heath Water Storage Facilities	226,565	229,375	229,375	237,075
Terrell Water Transmission Facilities	719,548	722,995	723,995	743,880
Rockwall Water Pump Station Facilities	168,552	171,100	171,100	174,985
<b>Total</b>	<b>\$ 1,596,236</b>	<b>\$ 1,617,495</b>	<b>\$ 1,715,645</b>	<b>\$ 1,572,165</b>
<b>Sewer Facilities:</b>				
Wylie WWTP	\$ 29,863	\$ 40,385	\$ 40,525	\$ -
South Rockwall WWTP	1,565,710	1,763,110	1,938,565	1,735,465
North Rockwall WWTP	632,570	623,205	684,765	698,010
Panther Creek WWTP	7,702,921	9,225,175	9,237,305	10,058,830
Sabine Creek WWTP	2,564,533	2,815,450	2,914,505	3,116,525
Stewart Creek WWTP	8,152,271	9,690,650	9,700,340	10,389,945
Muddy Creek WWTP	7,128,784	7,538,395	8,027,335	8,511,900
Seis Lagos WWTP	205,596	251,295	281,045	327,035
Royse City WWTP	14,983	25,030	24,975	20,180
Farmersville WWTP	471,295	529,610	532,865	576,170
Lavon WWTP	360,889	420,825	424,095	481,770
<b>Total</b>	<b>\$ 28,829,415</b>	<b>\$ 32,923,130</b>	<b>\$ 33,806,320</b>	<b>\$ 35,915,830</b>
<b>Interceptor Facilities:</b>				
Forney Interceptor	\$ 409,582	\$ 517,820	\$ 566,725	\$ 682,460
Lower East Fork Interceptor	1,777,330	1,858,310	2,019,845	1,928,410
Muddy Creek Interceptor	434,832	862,630	862,630	428,575
Parker Creek Interceptor	474,468	960,335	960,335	426,290
Sabine Creek Interceptor	278,197	301,845	301,845	313,985
Buffalo Creek Interceptor	2,382,881	3,099,530	2,540,495	3,821,410
McKinney Interceptor	286,865	52,650	52,650	56,775
Mustang Creek Interceptor	1,479,928	2,314,180	2,247,580	2,931,050
Parker Creek Parallel Interceptor	103,803	116,575	116,575	238,495
<b>Total</b>	<b>\$ 7,627,887</b>	<b>\$ 10,083,875</b>	<b>\$ 9,668,680</b>	<b>\$ 10,827,450</b>
<b>Other:</b>				
Wastewater Pretreatment Program	\$ 1,094,965	\$ 1,197,820	\$ 1,149,600	\$ 1,335,340
<b>Total</b>	<b>\$ 1,094,965</b>	<b>\$ 1,197,820</b>	<b>\$ 1,149,600</b>	<b>\$ 1,335,340</b>
<b>TOTAL</b>	<b>\$ 39,148,504</b>	<b>\$ 45,822,320</b>	<b>\$ 46,340,245</b>	<b>\$ 49,650,785</b>

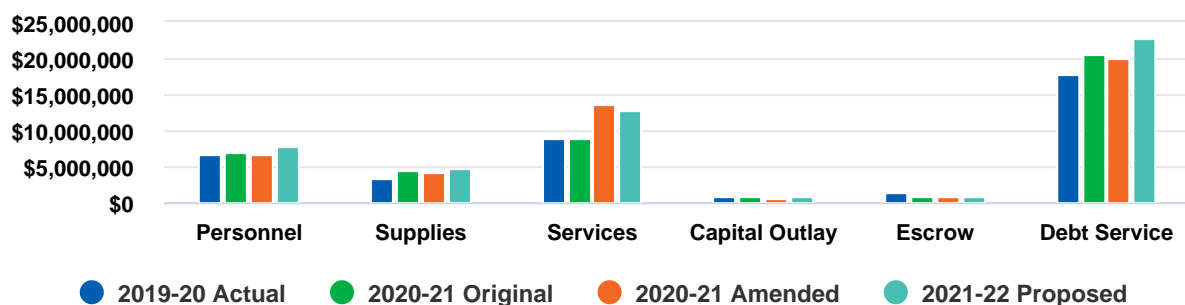
## Revenues and Expenditures

	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>	<b>\$ 39,148,504</b>	<b>\$ 45,822,320</b>	<b>\$ 46,340,245</b>	<b>\$ 49,650,785</b>	<b>\$ 3,828,465</b>	<b>8.36%</b>
<b>Expenditures</b>						
Personnel	\$ 6,793,216	\$ 6,817,070	\$ 6,726,430	\$ 7,670,410	\$ 853,340	12.52%
Supplies	3,432,301	4,443,625	4,277,855	4,735,090	291,465	6.56%
Services	8,980,475	12,598,365	13,667,665	12,887,305	288,940	2.29%
Capital Outlay	741,589	695,000	599,135	848,500	153,500	22.09%
Escrow	1,332,218	731,750	931,750	719,255	(12,495)	-1.71%
Debt Service	17,868,705	20,536,510	20,137,410	22,790,225	2,253,715	10.97%
<b>Total</b>	<b>\$ 39,148,504</b>	<b>\$ 45,822,320</b>	<b>\$ 46,340,245</b>	<b>\$ 49,650,785</b>	<b>\$ 3,828,465</b>	<b>8.36%</b>

The FY21 Amended Budget for expenditures totals \$46,340,245, which is \$517,925 or 1.13% greater than the FY21 Original Budget of \$45,822,320. For the FY22 Proposed Budget, the total expenditures for Sewer System facilities requested are \$49,650,785, which is \$3,828,465 or 8.36% greater than the FY21 Original Budget. Major budget variances are explained below:

- Increase in Debt Service of \$2,253,715 is the net result of the following:
  - Bond issue for the construction of the Buffalo Creek Interceptor Tunnel in the Buffalo Creek Interceptor System.
  - Bond issue for the Forney Mustang Creek Lift Station Phase II and Forney Force Main Improvements.
  - Bond issue for the expansion of Sabine Creek WWTP Expansion to 7 MGD.
  - Increased FY22 debt service payments for Panther Creek WWTP, Muddy Creek WWTP, Buffalo Creek Interceptor and Mustang Creek Interceptor related to previous bond issues.
- Increase in Personnel of \$853,340 due to higher wages and insurance/retirement costs, and to fund a new Wastewater Mechanic position.
- Increase in Services of \$288,940 due to increases in Hauling Fees and Shared Services allocation but offset by lower Pipeline Maintenance for inspections and reductions in Other Services.
- Increase in Capital Outlay of \$153,500 related to Vehicle Equipment replacements for Stewart Creek, Muddy Creek and Small Plants, which will also have a new vehicle for a new position. In addition, Machinery costs are higher due to a required maintenance overhaul and replacement parts to ensure sustainable process operations at the Muddy Creek WWTP.
- Increase in Supplies of \$291,465 driven by the purchase of Mechanical Supplies at Stewart Creek WWTP due to plant expansion and at Panther Creek WWTP for an influent pump rebuild, mechanical seals and rehabilitation of a 250 horsepower lift pump and the installation of a influent valve actuator. Chemicals also increased due to higher bids on new contracts related to supply chain issues and increased global demands.

## SEWER SYSTEM EXPENDITURES



## Sewer System Fund Balances

System Name	Fund	Beginning Balance	Transfers from Operating	Interest Earnings	Expected Projects	Ending Balance
Little Elm Water Transmission Facilities	Contingency	\$ 49,258	\$ -	\$ 30	\$ -	\$ 49,287
Plano Water Transmission Facilities	Contingency	\$ 74,212	\$ -	\$ 45	\$ -	\$ 74,256
Kaufman 4-1 Water Distribution Facilities	Reserve for Maintenance	\$ 3	\$ 10,505	\$ -	\$ -	\$ 10,508
South Rockwall WWTP	Preventative Maintenance	\$ 105,799	\$ -	\$ 63	\$ -	\$ 105,863
South Rockwall WWTP	Reserve for Maintenance	\$ 42,728	\$ -	\$ 26	\$ -	\$ 42,754
North Rockwall WWTP	Reserve for Maintenance	\$ 1,455	\$ -	\$ 1	\$ -	\$ 1,456
Panther Creek WWTP	Capital Improvement	\$ 497,370	\$ -	\$ 298	\$ -	\$ 497,669
Panther Creek WWTP	Preventative Maintenance	\$ 32,546	\$ -	\$ 20	\$ -	\$ 32,565
Panther Creek WWTP	Contingency	\$ 100,077	\$ -	\$ 60	\$ -	\$ 100,137
Sabine Creek WWTP	Capital Improvement	\$ 4,640	\$ -	\$ 3	\$ -	\$ 4,642
Sabine Creek WWTP	Preventative Maintenance	\$ 14,715	\$ -	\$ 9	\$ -	\$ 14,723
Sabine Creek WWTP	Contingency	\$ 53,648	\$ -	\$ 32	\$ -	\$ 53,680
Stewart Creek WWTP	Capital Improvement	\$ 145,815	\$ -	\$ 87	\$ -	\$ 145,902
Stewart Creek WWTP	Preventative Maintenance	\$ 23,068	\$ -	\$ 14	\$ -	\$ 23,082
Stewart Creek WWTP	Contingency	\$ 99,173	\$ -	\$ 60	\$ -	\$ 99,233
Muddy Creek WWTP	Capital Improvement	\$ 1,594	\$ -	\$ 1	\$ -	\$ 1,595
Muddy Creek WWTP	Preventative Maintenance	\$ 8,482	\$ -	\$ 5	\$ -	\$ 8,487
Muddy Creek WWTP	Contingency	\$ 4,443	\$ -	\$ 3	\$ -	\$ 4,445
Seis Lagos WWTP	Reserve for Maintenance	\$ 4,163	\$ 1,950	\$ 2	\$ -	\$ 6,116
Royse City WWTP	Reserve for Maintenance	\$ 10,586	\$ -	\$ 6	\$ -	\$ 10,593
Farmersville WWTP	Reserve for Maintenance	\$ 6,166	\$ -	\$ 4	\$ -	\$ 6,170

## Sewer System Fund Balances (continued)

System Name	Fund	Beginning Balance	Transfers from Operating	Interest Earnings	Expected Projects	Ending Balance
Lavon WWTP	Preventative Maintenance	\$ 4,215	\$ -	\$ 3	\$ -	\$ 4,218
Lavon WWTP	Reserve for Maintenance	\$ 16,930	\$ 4,800	\$ 10	\$ -	\$ 21,740
Forney Interceptor	Preventative Maintenance	\$ 257,699	\$ 100,000	\$ 155	\$ (123,000)	\$ 234,854
Forney Interceptor	Reserve for Maintenance	\$ 18,393	\$ -	\$ 11	\$ -	\$ 18,404
Lower East Fork Interceptor	Preventative Maintenance	\$ 479,541	\$ 65,000	\$ 288	\$ -	\$ 544,829
Lower East Fork Interceptor	Contingency	\$ 25,518	\$ -	\$ 15	\$ -	\$ 25,533
Muddy Creek Interceptor	Preventative Maintenance	\$ 234,956	\$ 50,000	\$ 141	\$ -	\$ 285,097
Muddy Creek Interceptor	Contingency	\$ 23,822	\$ -	\$ 14	\$ -	\$ 23,836
Parker Creek Interceptor	Capital Improvement	\$ 8,480	\$ -	\$ 5	\$ -	\$ 8,485
Parker Creek Interceptor	Preventative Maintenance	\$ 282,385	\$ 104,000	\$ 169	\$ -	\$ 386,554
Parker Creek Interceptor	Contingency	\$ 4,235	\$ -	\$ 3	\$ -	\$ 4,237
Sabine Creek Interceptor	Capital Improvement	\$ 1,735	\$ -	\$ 1	\$ -	\$ 1,736
Sabine Creek Interceptor	Preventative Maintenance	\$ 284,006	\$ 88,000	\$ 170	\$ -	\$ 372,176
Sabine Creek Interceptor	Contingency	\$ 5,476	\$ -	\$ 3	\$ -	\$ 5,480
Buffalo Creek Interceptor	Capital Improvement	\$ 64,063	\$ -	\$ 38	\$ -	\$ 64,101
Buffalo Creek Interceptor	Preventative Maintenance	\$ 580,029	\$ 150,000	\$ 348	\$ -	\$ 730,377
Buffalo Creek Interceptor	Contingency	\$ 162,417	\$ -	\$ 97	\$ -	\$ 162,515
McKinney Interceptor	Preventative Maintenance	\$ 237,876	\$ 3,000	\$ 143	\$ -	\$ 241,019
McKinney Interceptor	Reserve for Maintenance	\$ 15,624	\$ -	\$ 9	\$ -	\$ 15,633
Mustang Creek Interceptor	Capital Improvement	\$ 227,780	\$ -	\$ 137	\$ (150,000)	\$ 77,916
Mustang Creek Interceptor	Preventative Maintenance	\$ 306,804	\$ 110,000	\$ 184	\$ (369,200)	\$ 47,788
Mustang Creek Interceptor	Contingency	\$ 10,679	\$ -	\$ 6	\$ -	\$ 10,686
Parker Creek Parallel Interceptor	Capital Improvement	\$ 16,193	\$ -	\$ 10	\$ -	\$ 16,203
Parker Creek Parallel Interceptor	Preventative Maintenance	\$ 38,440	\$ 32,000	\$ 23	\$ -	\$ 70,463
Parker Creek Parallel Interceptor	Contingency	\$ 30,751	\$ -	\$ 18	\$ -	\$ 30,769

## Water Transmission Facilities

### Overview

The Water Transmission Facilities deliver treated water to Member Cities and Customers water storage tanks after NTMWD provides water treatment to raw water. The Members and Customers take over delivering water through their distribution systems. These facilities include:

- Little Elm Water Transmission Facilities
- Plano Water Transmission Facilities
- Kaufman 4-1 Water Distribution Facilities
- Rockwall-Heath Water Storage Facilities
- Terrell Water Transmission Facilities
- Rockwall Water Pump Station Facilities

### FY2022 Department Objectives (Supporting Strategic Goals)

#### **Service: Provide superior water, wastewater and solid waste services today and tomorrow**

- Preserve assets by performing targeted assessments using state of the industry technologies, then establish short-term and long-term, proactive measures to address results.
- Exercise and maintain isolation valves to ensure operability.
- Continue the maintenance and replacement of combination air release valves (CAVs) on an annual, programmed basis.
- Improve predictive/preventative maintenance techniques.

#### **Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Investigate and mitigate the potential of corrosion within the system.
- Develop and improve additional asset management initiatives to preserve and make informed decisions on repairing, replacing and maintaining assets.
- Safeguard our natural resources through understanding of regulations and potential hazards.

#### **Partnership: Actively collaborate with members, customers, partners, employees and stakeholders**

- Partner with Member Cities on the operation and maintenance of this system.
- Engage with operational staff of the Member Cities to increase awareness and understanding of one another's systems.
- Collaborate with members and customers to identify and implement capital improvements to water system facilities.

#### **People: Build a talented, competent and committed team**

- Participate actively and enthusiastically in understanding of the unique requirements of this system.

### Major Budget Drivers

- Power costs
- Infrastructure maintenance, improvements and repairs

## Little Elm Water Transmission Facilities

### Revenues and Expenses

Little Elm Water Transmission Facilities	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues and Expenses</b>						
<b>Revenues</b>						
<b>Wastewater Sales</b>						
422001-Water Facilities	\$ 395,677	\$ 402,790	\$ 403,225	\$ 281,985	\$ (120,805)	-29.99%
<b>Total Wastewater Sales</b>	<b>\$ 395,677</b>	<b>\$ 402,790</b>	<b>\$ 403,225</b>	<b>\$ 281,985</b>	<b>\$ (120,805)</b>	<b>-29.99%</b>
441000-Interest Income	\$ 327	\$ 500	\$ 65	\$ 65	\$ (435)	-87.00%
<b>Revenues Total</b>	<b>\$ 396,004</b>	<b>\$ 403,290</b>	<b>\$ 403,290</b>	<b>\$ 282,050</b>	<b>\$ (121,240)</b>	<b>-30.06%</b>
<b>Expenses Total</b>	<b>\$ (396,004)</b>	<b>\$ (403,290)</b>	<b>\$ (403,290)</b>	<b>\$ (282,050)</b>	<b>\$ 121,240</b>	<b>-30.06%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

### Expense Detail

Little Elm Water Transmission Facilities	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Expense Category</b>						
<b>Supplies</b>						
521600 - Pipeline Supplies	\$ -	\$ 1,000	\$ 500	\$ 1,000	\$ -	0.00%
<b>Supplies Total</b>	<b>\$ -</b>	<b>\$ 1,000</b>	<b>\$ 500</b>	<b>\$ 1,000</b>	<b>\$ -</b>	<b>0.00%</b>
<b>Services</b>						
531200 - Bank Service Fees	\$ 5	\$ 5	\$ 5	\$ 5	\$ -	0.00%
533100 - Administration	10	10	10	10	-	0.00%
Shared Services	2,729	2,615	2,615	2,495	(120)	-4.59%
<b>Services Total</b>	<b>\$ 2,744</b>	<b>\$ 2,630</b>	<b>\$ 2,630</b>	<b>\$ 2,510</b>	<b>\$ (120)</b>	<b>-4.56%</b>
<b>Escrow</b>						
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 389,000	\$ 395,400	\$ 395,900	\$ 274,100	\$ (121,300)	-30.68%
579000 - Bond Service Fees	4,260	4,260	4,260	4,440	180	4.23%
<b>Debt Service Total</b>	<b>\$ 393,260</b>	<b>\$ 399,660</b>	<b>\$ 400,160</b>	<b>\$ 278,540</b>	<b>\$ (121,120)</b>	<b>-30.31%</b>
<b>Grand Total</b>	<b>\$ 396,004</b>	<b>\$ 403,290</b>	<b>\$ 403,290</b>	<b>\$ 282,050</b>	<b>\$ (121,240)</b>	<b>-30.06%</b>

### Major FY22 Budget Items

The department's FY22 Proposed Budget has decreased by \$121,240 from the FY21 Original Budget. Major variances are explained below:

- Debt Service decreased as a portion of the FY22 payment will come from the Debt Service Reserve.



## Plano Water Transmission Facilities

### Revenues and Expenses

Plano Water Transmission Facilities	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues and Expenses</b>						
<b>Revenues</b>						
<b>Wastewater Sales</b>						
422001-Water Facilities	\$ 2,965	\$ 3,365	\$ 3,655	\$ 3,810	\$ 445	13.22%
<b>Total Wastewater Sales</b>	<b>\$ 2,965</b>	<b>\$ 3,365</b>	<b>\$ 3,655</b>	<b>\$ 3,810</b>	<b>\$ 445</b>	<b>13.22%</b>
<b>Other</b>						
441000-Interest Income	\$ 194	\$ 305	\$ 15	\$ 15	\$ (290)	-95.08%
<b>Revenues Total</b>	<b>\$ 3,159</b>	<b>\$ 3,670</b>	<b>\$ 3,670</b>	<b>\$ 3,825</b>	<b>\$ 155</b>	<b>4.22%</b>
<b>Expenses Total</b>	<b>\$ (3,159)</b>	<b>\$ (3,670)</b>	<b>\$ (3,670)</b>	<b>\$ (3,825)</b>	<b>\$ (155)</b>	<b>4.22%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

### Expense Detail

Plano Water Transmission Facilities	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Expense Category</b>						
<b>Supplies</b>						
521600 - Pipeline Supplies	\$ -	\$ 1,000	\$ 1,000	\$ 1,000	\$ -	0.00%
<b>Supplies Total</b>	<b>\$ -</b>	<b>\$ 1,000</b>	<b>\$ 1,000</b>	<b>\$ 1,000</b>	<b>\$ -</b>	<b>0.00%</b>
<b>Services</b>						
Shared Services	\$ 3,159	\$ 2,670	\$ 2,670	\$ 2,825	\$ 155	5.81%
<b>Services Total</b>	<b>\$ 3,159</b>	<b>\$ 2,670</b>	<b>\$ 2,670</b>	<b>\$ 2,825</b>	<b>\$ 155</b>	<b>5.81%</b>
<b>Grand Total</b>	<b>\$ 3,159</b>	<b>\$ 3,670</b>	<b>\$ 3,670</b>	<b>\$ 3,825</b>	<b>\$ 155</b>	<b>4.22%</b>

### Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$155 from the FY21 Original Budget. Major variances are explained below:

- No major variances.

## Kaufman Four-One Water Distribution Facilities

### Revenues and Expenses

Kaufman Four-One Water Distribution Facilities	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues and Expenses</b>						
<b>Revenues</b>						
<b>Wastewater Sales</b>						
422001-Water Facilities	\$ 69,590	\$ 87,050	\$ 131,425	\$ 130,345	\$ 43,295	49.74%
<b>Total Wastewater Sales</b>	<b>\$ 69,590</b>	<b>\$ 87,050</b>	<b>\$ 131,425</b>	<b>\$ 130,345</b>	<b>\$ 43,295</b>	<b>49.74%</b>
<b>Other</b>						
440140-Master Card Rebates	\$ 2	\$ -	\$ -	\$ -	\$ -	0.00%
440999-Miscellaneous Revenues	7,704	-	-	-	-	0.00%
459100-Tfr from Escrow Fund	5,099	-	52,785	-	-	0.00%
<b>Total Other</b>	<b>\$ 12,805</b>	<b>\$ -</b>	<b>\$ 52,785</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 13	\$ 15	\$ 5	\$ 5	\$ (10)	-66.67%
<b>Revenues Total</b>	<b>\$ 82,408</b>	<b>\$ 87,065</b>	<b>\$ 184,215</b>	<b>\$ 130,350</b>	<b>\$ 43,285</b>	<b>49.72%</b>
<b>Expenses Total</b>	<b>\$ (82,408)</b>	<b>\$ (87,065)</b>	<b>\$ (184,215)</b>	<b>\$ (130,350)</b>	<b>\$ (43,285)</b>	<b>49.72%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

### Expense Detail

Kaufman Four-One Water Distribution Facilities	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520700 - Machine Oil & Lube	\$ -	\$ 500	\$ 500	\$ 410	\$ (90)	-18.00%
521300 - Botanical Supplies	-	1,550	1,550	50	(1,500)	-96.77%
521400 - Electrical Supplies	8,389	5,000	5,000	5,000	-	0.00%
521500 - Mechanical Supplies	2,618	2,000	2,000	2,000	-	0.00%
521600 - Pipeline Supplies	1,068	7,000	7,000	20,000	13,000	185.71%
<b>Supplies Total</b>	<b>\$ 12,076</b>	<b>\$ 16,050</b>	<b>\$ 16,050</b>	<b>\$ 27,460</b>	<b>\$ 11,410</b>	<b>71.09%</b>
<b>Services</b>						
530400 - Fire & Exten Cov Ins	\$ 629	\$ 745	\$ 745	\$ 935	\$ 190	25.50%
531100 - Electric Power	37,987	35,000	132,150	40,000	5,000	14.29%
532800 - Grounds Maintenance	-	10,850	10,850	4,750	(6,100)	-56.22%
532900 - Electrical Sys Maint	-	-	-	5,000	5,000	0.00%
533000 - Other Services	446	-	-	-	-	0.00%
533100 - Administration	145	130	130	140	10	7.69%
Shared Services	25,976	24,290	24,290	41,560	17,270	71.10%
<b>Services Total</b>	<b>\$ 65,183</b>	<b>\$ 71,015</b>	<b>\$ 168,165</b>	<b>\$ 92,385</b>	<b>\$ 21,370</b>	<b>30.09%</b>
<b>Escrow</b>						
550660 - Rsv for Maintenance	\$ 5,150	\$ -	\$ -	\$ 10,505	\$ 10,505	0.00%
<b>Escrow Total</b>	<b>\$ 5,150</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,505</b>	<b>\$ 10,505</b>	<b>0.00%</b>
<b>Grand Total</b>	<b>\$ 82,408</b>	<b>\$ 87,065</b>	<b>\$ 184,215</b>	<b>\$ 130,350</b>	<b>\$ 43,285</b>	<b>49.72%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$43,285 from the FY21 Original Budget. Major variances are explained below:

- Pipeline Supplies increased to replace three air valves.
- Electrical System Maintenance increased for preventative maintenance of the electrical system and test switch gear.
- Shared Services allocation increased in FY22.
- Reserve for Maintenance increased to start to replenish the reserves that were used to cover the February 2021 electric power bills.

## Rockwall-Heath Water Storage Facilities

### Revenues and Expenses

Rockwall-Heath Water Storage Facilities	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues and Expenses</b>						
<b>Revenues</b>						
<b>Wastewater Sales</b>						
422001-Water Facilities	\$ 226,448	\$ 229,215	\$ 229,345	\$ 237,045	\$ 7,830	3.42%
<b>Total Wastewater Sales</b>	<b>\$ 226,448</b>	<b>\$ 229,215</b>	<b>\$ 229,345</b>	<b>\$ 237,045</b>	<b>\$ 7,830</b>	<b>3.42%</b>
441000-Interest Income	\$ 117	\$ 160	\$ 30	\$ 30	\$ (130)	-81.25%
<b>Revenues Total</b>	<b>\$ 226,565</b>	<b>\$ 229,375</b>	<b>\$ 229,375</b>	<b>\$ 237,075</b>	<b>\$ 7,700</b>	<b>3.36%</b>
<b>Expenses Total</b>	<b>\$ (226,565)</b>	<b>\$ (229,375)</b>	<b>\$ (229,375)</b>	<b>\$ (237,075)</b>	<b>\$ (7,700)</b>	<b>3.36%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

### Expense Detail

Rockwall-Heath Water Storage Facilities	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Expense Category</b>						
<b>Services</b>						
531200 - Bank Service Fees	\$ 3	\$ 5	\$ 5	\$ 5	\$ -	0.00%
Shared Services	752	660	660	560	(100)	-15.15%
<b>Services Total</b>	<b>\$ 755</b>	<b>\$ 665</b>	<b>\$ 665</b>	<b>\$ 565</b>	<b>\$ (100)</b>	<b>-15.04%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 221,300	\$ 224,200	\$ 224,200	\$ 231,600	\$ 7,400	3.30%
579000 - Bond Service Fees	4,510	4,510	4,510	4,910	400	8.87%
<b>Debt Service Total</b>	<b>\$ 225,810</b>	<b>\$ 228,710</b>	<b>\$ 228,710</b>	<b>\$ 236,510</b>	<b>\$ 7,800</b>	<b>3.41%</b>
<b>Grand Total</b>	<b>\$ 226,565</b>	<b>\$ 229,375</b>	<b>\$ 229,375</b>	<b>\$ 237,075</b>	<b>\$ 7,700</b>	<b>3.36%</b>

### Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$7,700 from the FY21 Original Budget. Major variances are explained below:

- No major variances.

## Terrell Water Transmission Facilities

### Revenues and Expenses

Terrell Water Transmission Facilities	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues and Expenses</b>						
<b>Revenues</b>						
<b>Wastewater Sales</b>						
422001-Water Facilities	\$ 718,999	\$ 722,140	\$ 723,875	\$ 743,760	\$ 21,620	2.99%
<b>Total Wastewater Sales</b>	<b>\$ 718,999</b>	<b>\$ 722,140</b>	<b>\$ 723,875</b>	<b>\$ 743,760</b>	<b>\$ 21,620</b>	<b>2.99%</b>
441000-Interest Income	\$ 549	\$ 855	\$ 120	\$ 120	\$ (735)	-85.96%
<b>Revenues Total</b>	<b>\$ 719,548</b>	<b>\$ 722,995</b>	<b>\$ 723,995</b>	<b>\$ 743,880</b>	<b>\$ 20,885</b>	<b>2.89%</b>
<b>Expenses Total</b>	<b>\$ (719,548)</b>	<b>\$ (722,995)</b>	<b>\$ (723,995)</b>	<b>\$ (743,880)</b>	<b>\$ (20,885)</b>	<b>2.89%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

### Expense Detail

Terrell Water Transmission Facilities	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Expense Category</b>						
<b>Services</b>						
531200 - Bank Service Fees	\$ 8	\$ 5	\$ 5	\$ 5	\$ -	0.00%
533100 - Administration	15	10	10	5	(5)	-50.00%
Shared Services	3,755	3,030	3,030	2,080	(950)	-31.35%
<b>Services Total</b>	<b>\$ 3,778</b>	<b>\$ 3,045</b>	<b>\$ 3,045</b>	<b>\$ 2,090</b>	<b>\$ (955)</b>	<b>-31.36%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 710,900	\$ 715,800	\$ 716,800	\$ 737,100	\$ 21,300	2.98%
579000 - Bond Service Fees	4,870	4,150	4,150	4,690	540	13.01%
<b>Debt Service Total</b>	<b>\$ 715,770</b>	<b>\$ 719,950</b>	<b>\$ 720,950</b>	<b>\$ 741,790</b>	<b>\$ 21,840</b>	<b>3.03%</b>
<b>Grand Total</b>	<b>\$ 719,548</b>	<b>\$ 722,995</b>	<b>\$ 723,995</b>	<b>\$ 743,880</b>	<b>\$ 20,885</b>	<b>2.89%</b>

### Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$20,885 from the FY21 Original Budget. Major variances are explained below:

- Debt Service increased reflecting a slightly higher payment in FY22 along with no offsetting debt service reserve transfers.

## Rockwall Water Pump Station Facilities

### Revenues and Expenses

Rockwall Water Pump Station Facilities	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues and Expenses</b>						
<b>Revenues</b>						
<b>Wastewater Sales</b>						
422001-Water Facilities	\$ 168,449	\$ 170,950	\$ 171,075	\$ 174,960	\$ 4,010	2.35%
<b>Total Wastewater Sales</b>	<b>\$ 168,449</b>	<b>\$ 170,950</b>	<b>\$ 171,075</b>	<b>\$ 174,960</b>	<b>\$ 4,010</b>	<b>2.35%</b>
441000-Interest Income	\$ 103	\$ 150	\$ 25	\$ 25	\$ (125)	-83.33%
<b>Revenues Total</b>	<b>\$ 168,552</b>	<b>\$ 171,100</b>	<b>\$ 171,100</b>	<b>\$ 174,985</b>	<b>\$ 3,885</b>	<b>2.27%</b>
<b>Expenses Total</b>	<b>\$ (168,552)</b>	<b>\$ (171,100)</b>	<b>\$ (171,100)</b>	<b>\$ (174,985)</b>	<b>\$ (3,885)</b>	<b>2.27%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

### Expense Detail

Rockwall Water Pump Station Facilities	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
531200 - Bank Service Fees	\$ 2	\$ 5	\$ 5	\$ 5	\$ -	0.00%
Shared Services	540	465	465	390	(75)	-16.13%
<b>Services Total</b>	<b>\$ 542</b>	<b>\$ 470</b>	<b>\$ 470</b>	<b>\$ 395</b>	<b>\$ (75)</b>	<b>-15.96%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 163,500	\$ 165,400	\$ 165,400	\$ 169,900	\$ 4,500	2.72%
579000 - Bond Service Fees	4,510	5,230	5,230	4,690	(540)	-10.33%
<b>Debt Service Total</b>	<b>\$ 168,010</b>	<b>\$ 170,630</b>	<b>\$ 170,630</b>	<b>\$ 174,590</b>	<b>\$ 3,960</b>	<b>2.32%</b>
<b>Grand Total</b>	<b>\$ 168,552</b>	<b>\$ 171,100</b>	<b>\$ 171,100</b>	<b>\$ 174,985</b>	<b>\$ 3,885</b>	<b>2.27%</b>

### Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$3,885 from the FY21 Original Budget. Major variances are explained below:

- No major variances.



## Sewer System Wastewater Treatment Plants

### Overview

The District owns and operates, or has an operations contract for, 10 wastewater treatment plants (WWTPs) in the Sewer System. One of the plants has been out of service for many years and their respective budget contains funds for equipment maintenance only. The remaining nine active plants are located in Collin, Denton and Rockwall counties. The treatment capacity of the plants range from 0.25 MGD to 10 MGD with a combined treatment capacity for the nine plants of 37.995 MGD. The nine plants provide wastewater treatment for the Cities of Farmersville, Fate, Lavon, Murphy, Royce City, Seis Lagos, Wylie and parts of Frisco and Rockwall that have a combined service population of approximately 265,000 residents.

Sewer System Wastewater Treatment Plant	Average Daily Rated Treatment Capacity	Communities Served
Panther Creek WWTP	10 MGD	Parts of Frisco
Stewart Creek WWTP	10 MGD	
Muddy Creek WWTP	10 MGD	Wylie, Murphy
Sabine Creek WWTP	3 MGD	Royce City, Fate
Buffalo Creek WWTP	2.25 MGD	Parts of Rockwall
Squabble Creek WWTP	1.2 MGD	
Seis Lagos WWTP	0.25 MGD	Seis Lagos
Farmersville WWTP	0.755 MGD	Farmersville
Lavon WWTP	0.50 MGD	Lavon

Dedicated staff housed in four departments provide daily operation and maintenance of these facilities: Panther Creek WWTP, Stewart Creek WWTP, Muddy Creek WWTP and Small Plants. The personnel within Small Plants rotate between the remaining six plants. Similarly, Panther Creek WWTP, Stewart Creek WWTP and Muddy Creek WWTP each have their own stand-alone budgets. The cities served by these plants contract and fund budgets for only the plant that serves them.

The six active plants in the Small Plants Department each has a budget. Supplies, Services and Capital Outlay that are required for a specific plant in the Small Plants Department are charged to that plant's budget. Personnel, Supplies, Services and Capital Outlay costs that are not specific but shared by all six plants are allocated by percentage to the six budgets. The cities served by the Small Plants only contract and fund the budget associated with the plant that serves them.

### FY2022 Department Objectives (Supporting Strategic Plan)

#### Service: Provide superior water, wastewater and solid waste services today and tomorrow

- Apply proven technologies and processes to reliably and efficiently meet or surpass regulatory requirements.
- Leverage NTMWD's computerized maintenance management system (CMMS) to increase equipment reliability, effectiveness and efficiency and reduce equipment downtime and failures.
- Produce and maintain a Five-Year Plan to meet wastewater treatment needs today and in the future.

#### Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency

- Treat wastewater from cities served in a manner that protects human health, protects the environment and supports economic growth.
- Leverage NTMWD's asset management system to maximize equipment function and service life.
- Manage budgets in a disciplined and transparent manner.
- Continually evaluate technologies and processes that could improve water quality, lower costs or improve operation efficiency.

**Partnership: Actively collaborate with cities, partners, employees and stakeholders**

- Continue to collaborate with cities served through increased dialogue and partnering efforts.
- Continue to operate plants in a manner that maintains a good neighbor status.
- Engage and communicate with cities served regarding wastewater services provided and future needs.

**People: Build a talented, competent and committed team**

- Continue to invest in comprehensive employee training/development programs.
- Provide safe facilities and working conditions.
- Attract and retain a highly qualified workforce through enhanced recruitment and competitive compensation.

## Major Budget Drivers

While the budget drivers for individual plants may vary slightly, generally, the following items are significant portions of the overall budget for each of these plants.

- Personnel
- Chemicals
- Electric Power
- Equipment repair and replacement

## Wylie Wastewater Treatment Plant

### Revenues and Expenses

Wylie WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>						
<b>Wastewater Sales</b>						
420000-WWTP - Members	\$ (30,103)	\$ 40,235	\$ 40,480	\$ -	\$ (40,235)	-100.00%
<b>Total Wastewater Sales</b>	<b>\$ (30,103)</b>	<b>\$ 40,235</b>	<b>\$ 40,480</b>	<b>\$ -</b>	<b>\$ (40,235)</b>	<b>-100.00%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 27	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	7	-	-	-	-	0.00%
440999-Miscellaneous Revenue	59,831	-	-	-	-	0.00%
<b>Total Other</b>	<b>\$ 59,864</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 102	\$ 150	\$ 45	\$ -	\$ (150)	-100.00%
<b>Revenues Total</b>	<b>\$ 29,863</b>	<b>\$ 40,385</b>	<b>\$ 40,525</b>	<b>\$ -</b>	<b>\$ (40,385)</b>	<b>-100.00%</b>
<b>Expenses Total</b>	<b>\$ (29,863)</b>	<b>\$ (40,385)</b>	<b>\$ (40,525)</b>	<b>\$ -</b>	<b>\$ 40,385</b>	<b>-100.00%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

### Expense Detail

Wylie WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 3,274	\$ 1,280	\$ 1,310	\$ -	\$ (1,280)	-100.00%
511060 - Overtime	389	120	125	-	(120)	-100.00%
512000 - Social Security	253	100	110	-	(100)	-100.00%
513000 - Workers' Comp Ins	74	20	25	-	(20)	-100.00%
513020 - Hospitalization Ins	1,014	435	380	-	(435)	-100.00%
513040 - Dental Ins	50	55	20	-	(55)	-100.00%
513060 - Life Ins	7	-	5	-	-	0.00%
514000 - Retirement	745	820	820	-	(820)	-100.00%
514010 - Retiree - Insurance	130	145	170	-	(145)	-100.00%
514020 - Comp Absences-vacation	50	45	45	-	(45)	-100.00%
514030 - Comp Absences-sick	75	55	55	-	(55)	-100.00%
515000 - Cell Phone Stipend	27	25	10	-	(25)	-100.00%
<b>Personnel Total</b>	<b>\$ 6,087</b>	<b>\$ 3,100</b>	<b>\$ 3,075</b>	<b>\$ -</b>	<b>\$ (3,100)</b>	<b>-100.00%</b>
<b>Supplies</b>						
520300 - Clothing Supplies	\$ 29	\$ 20	\$ 20	\$ -	\$ (20)	-100.00%
520700 - Machine Oil & Lube	-	50	50	-	(50)	-100.00%
521110 - Safety Supplies	5	75	75	-	(75)	-100.00%
521400 - Electrical Supplies	-	100	100	-	(100)	-100.00%
521500 - Mechanical Supplies	699	1,000	1,000	-	(1,000)	-100.00%
523660 - Small Plants Supplies	633	285	275	-	(285)	-100.00%
<b>Supplies Total</b>	<b>\$ 1,366</b>	<b>\$ 1,530</b>	<b>\$ 1,520</b>	<b>\$ -</b>	<b>\$ (1,530)</b>	<b>-100.00%</b>

## Expense Detail (continued)

Wylie WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
530300 - Automotive Insurance	\$ 64	\$ 75	\$ 75	\$ -	\$ (75)	-100.00%
530400 - Fire & Exten Cov Ins	536	635	635	-	(635)	-100.00%
530900 - General Liability Ins	3	5	5	-	(5)	-100.00%
531100 - Electric Power	653	780	975	-	(780)	-100.00%
531120 - Retail Water Service	923	900	1,455	-	(900)	-100.00%
531310 - Special Studies & Rpts	-	2,500	1,915	-	(2,500)	-100.00%
531400 - Legal Service	-	5,500	5,500	-	(5,500)	-100.00%
531700 - Advertising	-	2,120	2,120	-	(2,120)	-100.00%
532200 - Equipment Maintenance	-	300	300	-	(300)	-100.00%
532800 - Grounds Maintenance	2,178	2,420	2,420	-	(2,420)	-100.00%
533000 - Other Services	945	300	300	-	(300)	-100.00%
533100 - Administration	95	80	80	-	(80)	-100.00%
533660 - Small Plants Exp	359	200	210	-	(200)	-100.00%
533900 - Permits, Ins, & Lic Fees	7,155	9,480	9,480	-	(9,480)	-100.00%
Shared Services	9,255	10,340	10,340	-	(10,340)	-100.00%
<b>Services Total</b>	<b>\$ 22,166</b>	<b>\$ 35,635</b>	<b>\$ 35,810</b>	<b>\$ -</b>	<b>\$ (35,635)</b>	<b>-100.00%</b>
<b>Capital Outlay</b>						
543660 - Small Plants Capital	\$ 243	\$ 120	\$ 120	\$ -	\$ (120)	-100.00%
<b>Capital Outlay Total</b>	<b>\$ 243</b>	<b>\$ 120</b>	<b>\$ 120</b>	<b>\$ -</b>	<b>\$ (120)</b>	<b>-100.00%</b>
<b>Grand Total</b>	<b>\$ 29,863</b>	<b>\$ 40,385</b>	<b>\$ 40,525</b>	<b>\$ -</b>	<b>\$ (40,385)</b>	<b>-100.00%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has decreased by \$40,385 from the FY21 Original Budget. Major variances are explained below:

- No expenses due to plant closure.

## South Rockwall (Buffalo Creek) Wastewater Treatment Plant

### Revenues and Expenses

South Rockwall WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>						
<b>Wastewater Sales</b>						
420000-WWTP - Members	\$ 1,460,995	\$ 1,733,420	\$ 1,764,385	\$ 1,714,285	\$ (19,135)	-1.10%
<b>Total Wastewater Sales</b>	<b>\$ 1,460,995</b>	<b>\$ 1,733,420</b>	<b>\$ 1,764,385</b>	<b>\$ 1,714,285</b>	<b>\$ (19,135)</b>	<b>-1.10%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 843	\$ -	\$ -	\$ -	\$ -	0.00%
440110-Effluent	21,443	20,840	20,840	20,840	-	0.00%
440140-Master Card Rebates	849	-	-	-	-	0.00%
440999-Miscellaneous Revenue	75,860	-	-	-	-	0.00%
459100-Transfer from Escrow Fund	-	-	153,000	-	-	0.00%
<b>Total Other</b>	<b>\$ 98,995</b>	<b>\$ 20,840</b>	<b>\$ 173,840</b>	<b>\$ 20,840</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 5,719	\$ 8,850	\$ 340	\$ 340	\$ (8,510)	-96.16%
<b>Revenues Total</b>	<b>\$ 1,565,710</b>	<b>\$ 1,763,110</b>	<b>\$ 1,938,565</b>	<b>\$ 1,735,465</b>	<b>\$ (27,645)</b>	<b>-1.57%</b>
<b>Expenses Total</b>	<b>\$ (1,565,710)</b>	<b>\$ (1,763,110)</b>	<b>\$ (1,938,565)</b>	<b>\$ (1,735,465)</b>	<b>\$ 27,645</b>	<b>-1.57%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

### Expense Detail

South Rockwall WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 135,145	\$ 131,510	\$ 135,180	\$ 155,280	\$ 23,770	18.07%
511060 - Overtime	16,253	12,360	13,130	14,330	1,970	15.94%
512000 - Social Security	10,636	10,065	11,130	11,880	1,815	18.03%
513000 - Workers' Comp Ins	3,069	2,635	2,810	2,755	120	4.55%
513020 - Hospitalization Ins	38,925	40,120	39,145	43,985	3,865	9.63%
513040 - Dental Ins	2,044	2,180	2,280	2,410	230	10.55%
513060 - Life Ins	333	350	335	375	25	7.14%
514000 - Retirement	19,245	20,875	20,875	24,130	3,255	15.59%
514010 - Retiree - Insurance	3,360	3,640	3,640	6,755	3,115	85.58%
514020 - Comp Absences-vacation	1,170	985	985	3,220	2,235	226.90%
514030 - Comp Absences-sick	1,915	1,330	1,330	-	(1,330)	-100.00%
515000 - Cell Phone Stipend	1,038	1,050	1,025	1,125	75	7.14%
<b>Personnel Total</b>	<b>\$ 233,133</b>	<b>\$ 227,100</b>	<b>\$ 231,865</b>	<b>\$ 266,245</b>	<b>\$ 39,145</b>	<b>17.24%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ -	\$ -	\$ -	\$ 55	\$ 55	0.00%
520110 - Computer Supplies	-	-	-	285	285	0.00%
520200 - Xerox Supplies	-	-	-	50	50	0.00%
520300 - Clothing Supplies	997	1,765	1,765	1,740	(25)	-1.42%
520600 - Fuel, Oil and Lube	-	-	-	35	35	0.00%
520610 - Generator Fuel	353	395	395	600	205	51.90%
520630 - Toll Fees	-	-	-	5	5	0.00%
520700 - Machine Oil & Lube	19	500	600	500	-	0.00%

## Expense Detail (continued)

South Rockwall WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies (continued)</b>						
520800 - Small Tools & Equip	\$ 7,049	\$ 20,100	\$ 20,000	\$ 15,100	\$ (5,000)	-24.88%
520810 - Fire Extinguishers	20	400	400	400	-	0.00%
520900 - Janitorial Supplies	-	120	120	-	(120)	-100.00%
521110 - Safety Supplies	2,573	3,000	3,000	3,015	15	0.50%
521200 - Chem - Other	1,120	1,470	1,470	1,470	-	0.00%
521203 - Chem - Chlorine	27,223	34,240	34,240	55,760	21,520	62.85%
521210 - Chem - Hypochlorite	-	-	-	1,145	1,145	0.00%
521211 - Chem - Sulfur Dioxide	20,234	24,925	24,925	37,635	12,710	50.99%
521215 - Chem - Bioxide	20,812	28,225	28,225	30,340	2,115	7.49%
521400 - Electrical Supplies	12,522	17,000	21,600	14,000	(3,000)	-17.65%
521500 - Mechanical Supplies	60,872	30,000	32,500	35,000	5,000	16.67%
521700 - Building Supplies	833	1,000	1,000	1,000	-	0.00%
521900 - Vehicle Supplies	-	-	-	5	5	0.00%
521910 - Tires and Tubes	-	-	-	15	15	0.00%
522000 - Equipment Supplies	-	2,550	2,550	2,550	-	0.00%
522200 - Road Maint Supplies	-	600	600	1,200	600	100.00%
523660 - Small Plants Supplies	26,226	29,215	28,025	28,655	(560)	-1.92%
<b>Supplies Total</b>	<b>\$ 180,852</b>	<b>\$ 195,505</b>	<b>\$ 201,415</b>	<b>\$ 230,560</b>	<b>\$ 35,055</b>	<b>17.93%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 1,715	\$ 1,755	\$ 1,755	\$ 1,495	\$ (260)	-14.81%
530400 - Fire & Exten Cov Ins	510	605	605	760	155	25.62%
530900 - General Liability Ins	106	135	135	130	(5)	-3.70%
531000 - Telephone	4,211	2,400	4,400	2,400	-	0.00%
531020 - Internet Service	52	180	680	240	60	33.33%
531100 - Electric Power	132,872	177,000	348,460	145,000	(32,000)	-18.08%
531200 - Bank Service Fees	3	5	5	5	-	0.00%
531300 - Engin/Consultant Svc	-	-	1,000	-	-	0.00%
531310 - Special Studies & Rpts	25,805	5,000	9,100	2,500	(2,500)	-50.00%
531400 - Legal Service	2,108	11,000	11,000	6,500	(4,500)	-40.91%
531700 - Advertising	-	1,380	1,380	3,200	1,820	131.88%
531800 - Rent or Lease Payment	2,263	1,500	1,500	1,545	45	3.00%
531900 - Travel and Training	-	-	-	480	480	0.00%
532000 - Mem & Subscriptions	562	1,190	1,240	825	(365)	-30.67%
532200 - Equipment Maintenance	5,058	11,500	22,550	11,500	-	0.00%
532800 - Grounds Maintenance	2,820	4,820	4,820	4,820	-	0.00%
532900 - Electrical Sys Maint	16,148	24,000	30,430	24,000	-	0.00%
533000 - Other Services	272,319	446,000	383,195	282,000	(164,000)	-36.77%
533030 - Contractual Safety Serv	-	2,750	750	2,750	-	0.00%
533100 - Administration	3,340	3,085	3,085	2,855	(230)	-7.46%
533380 - Odor Control Crew	2,011	1,000	1,000	1,000	-	0.00%
533500 - Lab Svc - Contract	8,702	8,280	8,280	8,280	-	0.00%
533630 - Landfill Service Fees	1,948	2,985	2,985	2,000	(985)	-33.00%
533640 - Hauling Fees	2,574	6,030	6,030	2,940	(3,090)	-51.24%
533660 - Small Plants Exp	14,876	20,530	21,845	28,485	7,955	38.75%



## Expense Detail (continued)

South Rockwall WWTP					Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services (continued)</b>						
533670 - Hauling and Dewatering	\$ 71,496	\$ 70,000	\$ 69,000	\$ 83,305	\$ 13,305	19.01%
533900 - Permits, Ins, & Lic Fees	15,528	18,105	18,105	18,105	-	0.00%
534000 - Uninsured losses	-	-	595	-	-	0.00%
Shared Services	203,740	249,400	241,015	276,260	26,860	10.77%
<b>Services Total</b>	<b>\$ 790,766</b>	<b>\$ 1,070,635</b>	<b>\$ 1,194,945</b>	<b>\$ 913,380</b>	<b>\$ (157,255)</b>	<b>-14.69%</b>
<b>Capital Outlay</b>						
540500 - Machinery	\$ 12,665	\$ 12,000	\$ 51,595	\$ 62,000	\$ 50,000	416.67%
543660 - Small Plants Capital	10,074	12,360	12,235	12,390	30	0.24%
<b>Capital Outlay Total</b>	<b>\$ 22,739</b>	<b>\$ 24,360</b>	<b>\$ 63,830</b>	<b>\$ 74,390</b>	<b>\$ 50,030</b>	<b>205.38%</b>
<b>Escrow</b>						
550700 - Prev Maint Escrow	\$ 103,000	-	-	-	-	0.00%
<b>Escrow Total</b>	<b>\$ 103,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.00%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 231,000	\$ 241,000	\$ 242,000	\$ 246,200	\$ 5,200	2.16%
579000 - Bond Service Fees	4,220	4,510	4,510	4,690	180	3.99%
<b>Debt Service Total</b>	<b>\$ 235,220</b>	<b>\$ 245,510</b>	<b>\$ 246,510</b>	<b>\$ 250,890</b>	<b>\$ 5,380</b>	<b>2.19%</b>
<b>Grand Total</b>	<b>\$ 1,565,710</b>	<b>\$ 1,763,110</b>	<b>\$ 1,938,565</b>	<b>\$ 1,735,465</b>	<b>\$ (27,645)</b>	<b>-1.57%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has decreased by \$27,645 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Wages, Insurance and Retirement costs. Also, there is a new Wastewater Mechanic position for the Small WWTPs and the WW Administration allocation is implemented.
- Other Services decreased related to lower manhole rehabilitation projects in FY22.
- Machinery increased to purchase a replacement blower needed to keep the plant in permit requirements, a back-up pump for Lakeside Lift Station and a bypass pump needed to support pump failure.

## North Rockwall (Squabble Creek) Wastewater Treatment Plant

### Revenues and Expenses

North Rockwall WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>						
<b>Wastewater Sales</b>						
420000-WWTP - Members	\$ 595,238	\$ 621,980	\$ 626,685	\$ 697,930	\$ 75,950	12.21%
<b>Total Wastewater Sales</b>	<b>\$ 595,238</b>	<b>\$ 621,980</b>	<b>\$ 626,685</b>	<b>\$ 697,930</b>	<b>\$ 75,950</b>	<b>12.21%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 447	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	1,177	-	-	-	-	0.00%
440999-Miscellaneous Revenue	34,879	-	-	-	-	0.00%
459100-Transfer from Escrow Fund	-	-	58,000	-	-	0.00%
<b>Total Other</b>	<b>\$ 36,503</b>	<b>\$ -</b>	<b>\$ 58,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 830	\$ 1,225	\$ 80	\$ 80	\$ (1,145)	-93.47%
<b>Revenues Total</b>	<b>\$ 632,570</b>	<b>\$ 623,205</b>	<b>\$ 684,765</b>	<b>\$ 698,010</b>	<b>\$ 74,805</b>	<b>12.00%</b>
<b>Expenses Total</b>	<b>\$ (632,570)</b>	<b>\$ (623,205)</b>	<b>\$ (684,765)</b>	<b>\$ (698,010)</b>	<b>\$ (74,805)</b>	<b>12.00%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

### Expense Detail

North Rockwall WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 108,714	\$ 84,910	\$ 87,275	\$ 105,210	\$ 20,300	23.91%
511060 - Overtime	13,112	7,980	8,455	9,885	1,905	23.87%
512000 - Social Security	8,575	6,500	7,185	8,060	1,560	24.00%
513000 - Workers' Comp Ins	2,476	1,705	1,810	1,870	165	9.68%
513020 - Hospitalization Ins	30,166	25,900	25,270	30,015	4,115	15.89%
513040 - Dental Ins	1,624	1,400	1,470	1,610	210	15.00%
513060 - Life Ins	265	235	215	255	20	8.51%
514000 - Retirement	11,035	11,550	11,550	18,685	7,135	61.77%
514010 - Retiree - Insurance	1,925	2,015	2,015	5,230	3,215	159.55%
514020 - Comp Absences-vacation	710	550	550	2,725	2,175	395.45%
514030 - Comp Absences-sick	1,105	700	700	-	(700)	-100.00%
515000 - Cell Phone Stipend	815	680	665	770	90	13.24%
<b>Personnel Total</b>	<b>\$ 180,522</b>	<b>\$ 144,125</b>	<b>\$ 147,160</b>	<b>\$ 184,315</b>	<b>\$ 40,190</b>	<b>27.89%</b>
<b>Supplies</b>						
520300 - Clothing Supplies	\$ 675	\$ 1,140	\$ 1,140	\$ 1,200	\$ 60	5.26%
520700 - Machine Oil & Lube	600	600	600	600	-	0.00%
520800 - Small Tools & Equip	7,434	8,000	8,000	7,000	(1,000)	-12.50%
520810 - Fire Extinguishers	52	160	160	160	-	0.00%
521110 - Safety Supplies	546	1,750	1,750	1,750	-	0.00%
521200 - Chem - Other	17,458	15,100	15,100	100	(15,000)	-99.34%
521203 - Chem - Chlorine	12,448	15,725	15,725	24,930	9,205	58.54%
521209 - Chem - Polymers	-	-	-	14,640	14,640	0.00%
521210 - Chem - Hypochlorite	-	-	-	1,145	1,145	0.00%
521211 - Chem - Sulfur Dioxide	8,308	13,000	13,000	23,400	10,400	80.00%

## Expense Detail (continued)

North Rockwall WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies (continued)</b>						
521215 - Chem - Bioxide	\$ 65,644	\$ 65,005	\$ 65,005	\$ 69,870	\$ 4,865	7.48%
521400 - Electrical Supplies	10,684	2,000	10,900	6,000	4,000	200.00%
521500 - Mechanical Supplies	45,099	10,000	27,000	15,000	5,000	50.00%
521600 - Pipeline Supplies	-	-	400	-	-	0.00%
521700 - Building Supplies	413	1,000	-	1,000	-	0.00%
522000 - Equipment Supplies	-	2,025	-	2,025	-	0.00%
522200 - Road Maint Supplies	-	600	-	1,200	600	100.00%
523000 - Other Supplies	2,285	1,500	-	2,500	1,000	66.67%
523660 - Small Plants Supplies	21,158	18,865	18,090	19,760	895	4.74%
<b>Supplies Total</b>	<b>\$ 192,802</b>	<b>\$ 156,470</b>	<b>\$ 176,870</b>	<b>\$ 192,280</b>	<b>\$ 35,810</b>	<b>22.89%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 1,053	\$ 1,000	\$ 1,035	\$ 965	\$ (35)	-3.50%
530400 - Fire & Exten Cov Ins	581	690	690	865	175	25.36%
530900 - General Liability Ins	92	70	75	95	25	35.71%
531000 - Telephone	2,541	2,220	2,220	2,220	-	0.00%
531020 - Internet Service	90	90	90	90	-	0.00%
531100 - Electric Power	44,104	53,000	112,000	45,000	(8,000)	-15.09%
531310 - Special Studies & Rpts	-	5,000	5,000	2,500	(2,500)	-50.00%
531400 - Legal Service	60	11,000	11,000	6,500	(4,500)	-40.91%
531700 - Advertising	-	1,380	1,380	3,200	1,820	131.88%
531800 - Rent or Lease Payment	9,848	2,000	1,960	2,000	-	0.00%
532200 - Equipment Maintenance	8,425	1,500	3,970	3,500	2,000	133.33%
532800 - Grounds Maintenance	1,600	3,600	3,600	3,600	-	0.00%
532900 - Electrical Sys Maint	-	-	-	2,500	2,500	0.00%
533000 - Other Services	900	10,000	1,000	10,000	-	0.00%
533100 - Administration	1,090	1,065	1,065	1,070	5	0.47%
533380 - Odor Control Crew	224	500	500	500	-	0.00%
533500 - Lab Svc - Contract	4,611	7,580	7,580	7,580	-	0.00%
533630 - Landfill Service Fees	10,372	11,435	11,435	10,485	(950)	-8.31%
533640 - Hauling Fees	9,065	6,580	6,580	10,045	3,465	52.66%
533660 - Small Plants Exp	12,001	13,255	14,110	19,650	6,395	48.25%
533670 - Hauling and Dewatering	-	3,290	3,290	3,350	60	1.82%
533900 - Permits, Ins, & Lic Fees	8,010	10,360	10,360	10,360	-	0.00%
534000 - Uninsured losses	-	-	630	-	-	0.00%
Shared Services	136,452	159,015	153,265	156,800	(2,215)	-1.39%
<b>Services Total</b>	<b>\$ 251,120</b>	<b>\$ 304,630</b>	<b>\$ 352,835</b>	<b>\$ 302,875</b>	<b>\$ (1,755)</b>	<b>-0.58%</b>
<b>Capital Outlay</b>						
540500 - Machinery	-	10,000	-	10,000	-	0.00%
543660 - Small Plants Capital	8,127	7,980	7,900	8,540	560	7.02%
<b>Capital Outlay Total</b>	<b>\$ 8,127</b>	<b>\$ 17,980</b>	<b>\$ 7,900</b>	<b>\$ 18,540</b>	<b>\$ 560</b>	<b>3.11%</b>
<b>Grand Total</b>	<b>\$ 632,570</b>	<b>\$ 623,205</b>	<b>\$ 684,765</b>	<b>\$ 698,010</b>	<b>\$ 74,805</b>	<b>12.00%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$74,805 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Wages, Insurance, Retirement and Compensated Absences-vacation costs. Also, there is a new Wastewater Mechanic position for the Small WWTPs and the new WW Administration allocation is implemented.
- An overall increase in Chemicals due to higher chemical costs and increased flow projections.

## Panther Creek Wastewater Treatment Plant

### Position Summary

Panther Creek WWTP			
Full-Time Positions	FY21	FY22	Difference
Chief Wastewater Plant Operator	1.00	1.00	-
Information Systems Assistant	1.00	1.00	-
Lead Wastewater Plant Operator	2.00	2.00	-
Sewer System Plants Manager	0.33	1.00	0.67
Wastewater Plant Operator II	8.00	8.00	-
Wastewater Plant Operator III	4.00	4.00	-
Wastewater Plant Supervisor II	1.00	1.00	-
Wastewater Technician II	1.00	-	(1.00)
<b>Total Full-Time Positions</b>	<b>18.33</b>	<b>18.00</b>	<b>(0.33)</b>

### Revenues and Expenses

Panther Creek WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>						
<b>Wastewater Sales</b>						
420000-WWTP - Members	\$ 7,653,641	\$ 9,212,860	\$ 9,236,350	\$ 10,057,875	\$ 845,015	9.17%
<b>Total Wastewater Sales</b>	<b>\$ 7,653,641</b>	<b>\$ 9,212,860</b>	<b>\$ 9,236,350</b>	<b>\$ 10,057,875</b>	<b>\$ 845,015</b>	<b>9.17%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 5,801	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	9,434	-	-	-	-	0.00%
440999-Misc Revenue	25,636	-	-	-	-	0.00%
<b>Total Other</b>	<b>\$ 40,871</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 8,410	\$ 12,315	\$ 955	\$ 955	\$ (11,360)	-92.25%
<b>Revenues Total</b>	<b>\$ 7,702,921</b>	<b>\$ 9,225,175</b>	<b>\$ 9,237,305</b>	<b>\$ 10,058,830</b>	<b>\$ 833,655</b>	<b>9.04%</b>
<b>Expenses Total</b>	<b>\$ (7,702,921)</b>	<b>\$ (9,225,175)</b>	<b>\$ (9,237,305)</b>	<b>\$ (10,058,830)</b>	<b>\$ (833,655)</b>	<b>9.04%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

### Expense Detail

Panther Creek WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 1,074,477	\$ 1,052,855	\$ 1,036,715	\$ 1,148,220	\$ 95,365	9.06%
511060 - Overtime	48,749	60,000	60,000	60,000	-	0.00%
512000 - Social Security	80,689	80,545	80,305	87,845	7,300	9.06%
513000 - Workers' Comp Ins	25,774	23,695	23,280	20,630	(3,065)	-12.94%
513020 - Hospitalization Ins	244,573	250,260	255,070	276,285	26,025	10.40%
513040 - Dental Ins	11,582	11,865	13,300	14,010	2,145	18.08%
513060 - Life Ins	2,613	2,845	2,635	2,780	(65)	-2.28%
514000 - Retirement	139,305	138,200	138,200	173,400	35,200	25.47%
514010 - Retiree - Insurance	24,305	24,110	47,290	48,530	24,420	101.29%
514020 - Comp Absences-vacation	8,475	5,245	5,245	19,900	14,655	279.41%
514030 - Comp Absences-sick	6,940	450	450	-	(450)	-100.00%
515000 - Cell Phone Stipend	7,877	8,315	8,025	8,140	(175)	-2.10%
<b>Personnel Total</b>	<b>\$ 1,675,358</b>	<b>\$ 1,658,385</b>	<b>\$ 1,670,515</b>	<b>\$ 1,859,740</b>	<b>\$ 201,355</b>	<b>12.14%</b>

## Expense Detail (continued)

Panther Creek WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520100 - Office Supplies	\$ 2,806	\$ 3,100	\$ 3,100	\$ 1,885	\$ (1,215)	-39.19%
520110 - Computer Supplies	8,493	4,325	4,325	9,225	4,900	113.29%
520200 - Xerox Supplies	5,022	6,000	475	2,660	(3,340)	-55.67%
520300 - Clothing Supplies	9,669	8,200	8,200	8,200	-	0.00%
520600 - Fuel, Oil and Lube	4,774	4,440	4,440	4,745	305	6.87%
520610 - Generator Fuel	-	2,700	4,540	2,700	-	0.00%
520630 - Toll Fees	1,989	1,000	1,500	1,035	35	3.50%
520700 - Machine Oil & Lube	3,660	2,980	2,980	2,980	-	0.00%
520800 - Small Tools & Equip	21,904	13,320	12,310	12,660	(660)	-4.95%
520810 - Fire Extinguishers	-	400	400	400	-	0.00%
520900 - Janitorial Supplies	2,168	2,500	2,500	2,500	-	0.00%
521000 - Laboratory Supplies	3,303	4,090	4,495	3,955	(135)	-3.30%
521100 - Medical Supplies	411	705	705	575	(130)	-18.44%
521110 - Safety Supplies	8,462	7,810	6,310	7,905	95	1.22%
521200 - Chem - Other	5,570	8,800	8,800	8,800	-	0.00%
521201 - Chem - Lime	-	10,950	6,000	10,405	(545)	-4.98%
521203 - Chem - Chlorine	872	750	750	860	110	14.67%
521209 - Chem - Polymers	46,138	47,500	43,285	44,165	(3,335)	-7.02%
521210 - Chem - Hypochlorite	9,075	15,080	15,080	28,715	13,635	90.42%
521212 - Chem - Liq Ferr Sulfate	52,489	60,270	60,270	67,450	7,180	11.91%
521214 - Chem - Caustic	-	-	-	8,440	8,440	0.00%
521215 - Chem - Bioxide	546,078	519,010	519,010	628,450	109,440	21.09%
521300 - Botanical Supplies	2,007	2,500	2,000	2,500	-	0.00%
521400 - Electrical Supplies	79,565	192,100	192,100	128,150	(63,950)	-33.29%
521500 - Mechanical Supplies	126,230	149,950	147,950	167,700	17,750	11.84%
521700 - Building Supplies	4,616	1,500	3,500	1,500	-	0.00%
521900 - Vehicle Supplies	1,267	3,000	3,000	3,035	35	1.17%
521910 - Tires and Tubes	1,464	4,100	3,025	4,530	430	10.49%
522000 - Equipment Supplies	34,819	19,800	20,040	18,800	(1,000)	-5.05%
522100 - Welding Supplies	113	650	470	650	-	0.00%
523000 - Other Supplies	17,323	25,390	25,390	27,790	2,400	9.45%
<b>Supplies Total</b>	<b>\$ 1,000,284</b>	<b>\$ 1,122,920</b>	<b>\$ 1,106,950</b>	<b>\$ 1,213,365</b>	<b>\$ 90,445</b>	<b>8.05%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 2,516	\$ 2,605	\$ 2,605	\$ 2,265	\$ (340)	-13.05%
530400 - Fire & Exten Cov Ins	5,695	6,765	45,730	58,560	51,795	765.63%
530900 - General Liability Ins	1,095	1,080	1,545	2,030	950	87.96%
531000 - Telephone	6,045	7,100	7,100	7,100	-	0.00%
531020 - Internet Service	28,443	32,940	32,940	33,305	365	1.11%
531100 - Electric Power	511,956	550,000	550,000	525,000	(25,000)	-4.55%
531110 - Nat Gas, Butane & Kero	465	1,155	1,155	1,155	-	0.00%
531200 - Bank Service Fees	16	40	40	40	-	0.00%
531310 - Special Studies & Rpts	33,451	34,000	10,000	29,000	(5,000)	-14.71%
531400 - Legal Service	8,942	11,000	32,955	6,500	(4,500)	-40.91%
531700 - Advertising	1,475	3,180	3,180	4,600	1,420	44.65%
531800 - Rent or Lease Payment	247	500	6,660	4,340	3,840	768.00%



## Expense Detail (continued)

Panther Creek WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services (continued)</b>						
531900 - Travel and Training	\$ 7,274	\$ 8,630	\$ 8,630	\$ 16,175	\$ 7,545	87.43%
532000 - Mem & Subscriptions	2,578	5,055	5,235	4,460	(595)	-11.77%
532100 - Vehicle Maint	3,535	2,000	1,105	2,000	-	0.00%
532110 - Veh Maint by Solid Waste	1,452	1,000	1,895	1,000	-	0.00%
532200 - Equipment Maintenance	57,930	34,550	34,550	31,300	(3,250)	-9.41%
532800 - Grounds Maintenance	13,310	16,940	16,940	16,940	-	0.00%
532850 - Building Maintenance	-	37,650	9,545	27,360	(10,290)	-27.33%
532900 - Electrical Sys Maint	52,250	44,000	44,000	23,000	(21,000)	-47.73%
533000 - Other Services	90,077	109,700	108,860	94,200	(15,500)	-14.13%
533030 - Contractual Safety Serv	-	9,370	9,370	9,370	-	0.00%
533100 - Administration	11,295	10,275	10,275	9,555	(720)	-7.01%
533380 - Odor Control Crew	617	3,500	3,500	3,500	-	0.00%
533500 - Lab Svc - Contract	7,804	11,490	11,490	11,490	-	0.00%
533630 - Landfill Service Fees	343,440	335,610	335,610	343,340	7,730	2.30%
533640 - Hauling Fees	116,684	128,520	128,520	126,000	(2,520)	-1.96%
533900 - Permits, Ins, & Lic Fees	45,786	49,370	49,370	49,370	-	0.00%
534000 - Uninsured losses	-	-	3,105	-	-	0.00%
Shared Services	849,646	1,015,845	983,830	1,155,890	140,045	13.79%
<b>Services Total</b>	<b>\$ 2,204,023</b>	<b>\$ 2,473,870</b>	<b>\$ 2,459,740</b>	<b>\$ 2,598,845</b>	<b>\$ 124,975</b>	<b>5.05%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	0.00%
540500 - Machinery	60,142	35,000	24,900	-	(35,000)	-100.00%
540700 - Non-Vehicle Equipment	(16,109)	-	-	10,000	10,000	0.00%
<b>Capital Outlay Total</b>	<b>\$ 44,033</b>	<b>\$ 35,000</b>	<b>\$ 24,900</b>	<b>\$ 21,000</b>	<b>\$ (14,000)</b>	<b>-40.00%</b>
<b>Escrow</b>						
550660 - Rsv for Maintenance	\$ 72,203	\$ -	\$ -	\$ -	-	0.00%
<b>Escrow Total</b>	<b>\$ 72,203</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>	<b>0.00%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 2,700,000	\$ 3,922,800	\$ 3,963,000	\$ 4,349,100	\$ 426,300	10.87%
579000 - Bond Service Fees	7,020	12,200	12,200	16,780	4,580	37.54%
<b>Debt Service Total</b>	<b>\$ 2,707,020</b>	<b>\$ 3,935,000</b>	<b>\$ 3,975,200</b>	<b>\$ 4,365,880</b>	<b>\$ 430,880</b>	<b>10.95%</b>
<b>Grand Total</b>	<b>\$ 7,702,921</b>	<b>\$ 9,225,175</b>	<b>\$ 9,237,305</b>	<b>\$ 10,058,830</b>	<b>\$ 833,655</b>	<b>9.04%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$833,655 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Wages, Insurance, Retirement and Compensated Absences-vacation costs. Also, the new WW Administration allocation is implemented.
- An overall increase in Chemicals due to higher chemical prices.
- Shared Services allocation increased for FY22.
- Debt Service increased due to a higher debt service payment.

## Sabine Creek Wastewater Treatment Plant

### Revenues and Expenses

Sabine Creek WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>						
<b>Wastewater Sales</b>						
420000-WWTP - Members	\$ 2,559,606	\$ 2,811,080	\$ 2,914,070	\$ 3,116,090	\$ 305,010	10.85%
<b>Total Wastewater Sales</b>	<b>\$ 2,559,606</b>	<b>\$ 2,811,080</b>	<b>\$ 2,914,070</b>	<b>\$ 3,116,090</b>	<b>\$ 305,010</b>	<b>10.85%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 611	\$ -	\$ -	\$ -	\$ -	0.00%
440070-Rental/Lease Income	100	-	-	-	-	0.00%
440140-Master Card Rebates	1,275	-	-	-	-	0.00%
440999-Miscellaneous Revenue	12	-	-	-	-	0.00%
<b>Total Other</b>	<b>\$ 1,997</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 2,930	\$ 4,370	\$ 435	\$ 435	\$ (3,935)	-90.05%
<b>Revenues Total</b>	<b>\$ 2,564,533</b>	<b>\$ 2,815,450</b>	<b>\$ 2,914,505</b>	<b>\$ 3,116,525</b>	<b>\$ 301,075</b>	<b>10.69%</b>
<b>Expenses Total</b>	<b>\$ (2,564,533)</b>	<b>\$ (2,815,450)</b>	<b>\$ (2,914,505)</b>	<b>\$ (3,116,525)</b>	<b>\$ (301,075)</b>	<b>10.69%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

### Expense Detail

Sabine Creek WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 163,072	\$ 159,590	\$ 164,050	\$ 196,505	\$ 36,915	23.13%
511060 - Overtime	19,662	15,000	15,955	17,790	2,790	18.60%
512000 - Social Security	12,874	12,210	13,505	15,040	2,830	23.18%
513000 - Workers' Comp Ins	3,707	3,205	3,410	3,405	200	6.24%
513020 - Hospitalization Ins	46,017	48,675	47,500	54,550	5,875	12.07%
513040 - Dental Ins	2,459	2,645	2,770	2,975	330	12.48%
513060 - Life Ins	409	435	405	475	40	9.20%
514000 - Retirement	19,065	20,015	20,015	28,475	8,460	42.27%
514010 - Retiree - Insurance	3,325	3,490	3,490	7,970	4,480	128.37%
514020 - Comp Absences-vacation	1,360	1,110	1,110	5,425	4,315	388.74%
514030 - Comp Absences-sick	1,915	1,330	1,330	-	(1,330)	-100.00%
515000 - Cell Phone Stipend	1,235	1,260	1,250	1,425	165	13.10%
<b>Personnel Total</b>	<b>\$ 275,099</b>	<b>\$ 268,965</b>	<b>\$ 274,790</b>	<b>\$ 334,035</b>	<b>\$ 65,070</b>	<b>24.19%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 2,019	\$ 2,000	\$ 2,000	\$ 2,055	\$ 55	2.75%
520110 - Computer Supplies	1,777	500	500	880	380	76.00%
520200 - Xerox Supplies	-	-	-	50	50	0.00%
520300 - Clothing Supplies	1,291	2,145	2,145	2,160	15	0.70%
520600 - Fuel, Oil and Lube	22	-	-	35	35	0.00%
520610 - Generator Fuel	181	410	1,010	420	10	2.44%
520630 - Toll Fees	-	-	-	5	5	0.00%
520700 - Machine Oil & Lube	427	4,000	3,400	4,000	-	0.00%
520800 - Small Tools & Equip	12,271	5,000	5,000	4,000	(1,000)	-20.00%

## Expense Detail (continued)

Sabine Creek WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies (continued)</b>						
520810 - Fire Extinguishers	\$ -	\$ 400	\$ 400	\$ 400	\$ -	0.00%
520900 - Janitorial Supplies	530	1,200	1,200	1,200	-	0.00%
521000 - Laboratory Supplies	1,381	1,500	1,500	2,000	500	33.33%
521100 - Medical Supplies	24	-	-	-	-	0.00%
521110 - Safety Supplies	1,092	2,000	1,000	2,020	20	1.00%
521200 - Chem - Other	31,852	36,200	37,700	600	(35,600)	-98.34%
521203 - Chem - Chlorine	2,717	5,700	4,200	6,890	1,190	20.88%
521209 - Chem - Polymers	-	-	-	36,810	36,810	0.00%
521210 - Chem - Hypochlorite	-	-	-	1,720	1,720	0.00%
521400 - Electrical Supplies	45,909	82,000	82,000	28,000	(54,000)	-65.85%
521500 - Mechanical Supplies	20,579	15,000	20,770	20,000	5,000	33.33%
521700 - Building Supplies	1,767	2,750	1,750	2,750	-	0.00%
521900 - Vehicle Supplies	-	-	300	5	5	0.00%
521910 - Tires and Tubes	-	-	-	15	15	0.00%
522000 - Equipment Supplies	-	5,025	2,225	5,025	-	0.00%
522200 - Road Maint Supplies	3,755	2,400	800	2,400	-	0.00%
523000 - Other Supplies	3,912	8,000	7,900	8,000	-	0.00%
523660 - Small Plants Supplies	31,674	35,465	34,015	35,575	110	0.31%
<b>Supplies Total</b>	<b>\$ 163,180</b>	<b>\$ 211,695</b>	<b>\$ 209,815</b>	<b>\$ 167,015</b>	<b>\$ (44,680)</b>	<b>-21.11%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 2,278	\$ 2,310	\$ 2,310	\$ 2,550	\$ 240	10.39%
530400 - Fire & Exten Cov Ins	3,244	3,855	3,855	4,835	980	25.42%
530900 - General Liability Ins	134	135	385	600	465	344.44%
531000 - Telephone	6,104	4,080	5,280	4,080	-	0.00%
531020 - Internet Service	180	1,380	1,380	1,460	80	5.80%
531100 - Electric Power	191,887	210,000	304,185	200,000	(10,000)	-4.76%
531120 - Retail Water Service	1,240	1,200	1,200	1,200	-	0.00%
531200 - Bank Service Fees	10	5	5	5	-	0.00%
531310 - Special Studies & Rpts	788	10,000	10,000	20,000	10,000	100.00%
531400 - Legal Service	3,438	5,500	15,000	40,500	35,000	636.36%
531700 - Advertising	115	2,760	2,960	4,600	1,840	66.67%
531800 - Rent or Lease Payment	4,300	100	100	145	45	45.00%
531900 - Travel and Training	-	-	-	765	765	0.00%
532000 - Mem & Subscriptions	455	960	990	825	(135)	-14.06%
532110 - Veh Maint by Solid Waste	35	-	20	-	-	0.00%
532200 - Equipment Maintenance	26,884	26,900	36,550	27,100	200	0.74%
532800 - Grounds Maintenance	2,900	2,900	2,900	2,900	-	0.00%
532850 - Building Maintenance	-	3,420	-	2,390	(1,030)	-30.12%
532900 - Electrical Sys Maint	-	24,000	24,800	12,000	(12,000)	-50.00%
533000 - Other Services	60,288	69,220	65,720	54,220	(15,000)	-21.67%
533100 - Administration	\$ 2,210	\$ 2,275	\$ 2,275	\$ 2,315	\$ 40	1.76%
533380 - Odor Control Crew	-	100	100	100	-	0.00%
533500 - Lab Svc - Contract	4,396	8,300	8,300	8,300	-	0.00%
533630 - Landfill Service Fees	79,475	66,130	66,130	79,405	13,275	20.07%
533640 - Hauling Fees	53,172	38,520	46,520	60,500	21,980	57.06%

## Expense Detail (continued)

Sabine Creek WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services (continued)</b>						
533660 - Small Plants Exp	\$ 17,966	\$ 24,915	\$ 26,515	\$ 35,360	\$ 10,445	41.92%
533900 - Permits, Ins, & Lic Fees	21,744	22,430	22,430	57,835	35,405	157.85%
534000 - Uninsured losses	-	-	1,500	-	-	0.00%
Shared Services	210,801	293,315	265,060	316,855	23,540	8.03%
<b>Services Total</b>	<b>\$ 694,042</b>	<b>\$ 824,710</b>	<b>\$ 916,470</b>	<b>\$ 940,845</b>	<b>\$ 116,135</b>	<b>14.08%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 17,125	-	-	-	-	0.00%
540500 - Machinery	26,651	38,000	41,500	72,000	34,000	89.47%
543660 - Small Plants Capital	12,166	15,000	14,850	15,370	370	2.47%
<b>Capital Outlay Total</b>	<b>\$ 55,942</b>	<b>\$ 53,000</b>	<b>\$ 56,350</b>	<b>\$ 87,370</b>	<b>\$ 34,370</b>	<b>64.85%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 1,370,000	\$ 1,448,800	\$ 1,448,800	\$ 1,577,100	\$ 128,300	8.86%
579000 - Bond Service Fees	6,270	8,280	8,280	10,160	1,880	22.71%
<b>Debt Service Total</b>	<b>\$ 1,376,270</b>	<b>\$ 1,457,080</b>	<b>\$ 1,457,080</b>	<b>\$ 1,587,260</b>	<b>\$ 130,180</b>	<b>8.93%</b>
<b>Grand Total</b>	<b>\$ 2,564,533</b>	<b>\$ 2,815,450</b>	<b>\$ 2,914,505</b>	<b>\$ 3,116,525</b>	<b>\$ 301,075</b>	<b>10.69%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$301,075 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Wages, Insurance, Retirement and Compensated Absences-vacation costs. Also, there is a new Wastewater Mechanic position for the Small WWTPs and the new WW Administration allocation is implemented.
- Electrical Supplies decreased because there are less electrical maintenance projects planned this year.
- Legal Service increased for major permit amendment support.
- Permits, Inspection, & License Fees increased due to the TCEQ Discharge Permit Assessment Fee.
- Machinery increased to purchase an influent pump and a backup double disk pump required to process solids and ensure little to no downtime.
- Debt service increased due to no offsetting transfer from the Debt Service Reserve.

## Stewart Creek Wastewater Treatment Plant

### Position Summary

Stewart Creek WWTP			
Full-Time Positions	FY21	FY22	Difference
Chief Wastewater Plant Operator	1.00	1.00	-
Information Systems Assistant	1.00	1.00	-
Lead Wastewater Plant Operator	2.00	2.00	-
Professional Engineer	1.00	1.00	-
Wastewater Mechanic	1.00	1.00	-
Wastewater Plant Operator II	8.00	8.00	-
Wastewater Plant Operator III	4.00	4.00	-
Wastewater Plant Supervisor II	1.00	1.00	-
<b>Total Full-Time Positions</b>	<b>19.00</b>	<b>19.00</b>	<b>-</b>

### Revenues and Expenses

Stewart Creek WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>						
<b>Wastewater Sales</b>						
420000-WWTP - Members	\$ 8,035,364	\$ 9,674,145	\$ 9,698,995	\$ 10,388,600	\$ 714,455	7.39%
<b>Total Wastewater Sales</b>	<b>\$ 8,035,364</b>	<b>\$ 9,674,145</b>	<b>\$ 9,698,995</b>	<b>\$ 10,388,600</b>	<b>\$ 714,455</b>	<b>7.39%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 3,876	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	4,613	-	-	-	-	0.00%
440999-Miscellaneous Revenue	96,797	-	-	-	-	0.00%
<b>Total Other</b>	<b>\$ 105,286</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 11,621	\$ 16,505	\$ 1,345	\$ 1,345	\$ (15,160)	-91.85%
<b>Revenues Total</b>	<b>\$ 8,152,271</b>	<b>\$ 9,690,650</b>	<b>\$ 9,700,340</b>	<b>\$ 10,389,945</b>	<b>\$ 699,295</b>	<b>7.22%</b>
<b>Expenses Total</b>	<b>\$ (8,152,271)</b>	<b>\$ (9,690,650)</b>	<b>\$ (9,700,340)</b>	<b>\$ (10,389,945)</b>	<b>\$ (699,295)</b>	<b>7.22%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

### Expense Detail

Stewart Creek WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 980,090	\$ 1,061,615	\$ 1,003,435	\$ 1,173,715	\$ 112,100	10.56%
511060 - Overtime	98,624	110,000	110,000	110,000	-	0.00%
512000 - Social Security	79,158	81,205	80,820	89,800	8,595	10.58%
513000 - Workers' Comp Ins	23,280	22,560	22,895	22,520	(40)	-0.18%
513020 - Hospitalization Ins	192,486	195,920	216,500	245,885	49,965	25.50%
513040 - Dental Ins	9,391	9,370	9,330	9,960	590	6.30%
513060 - Life Ins	2,444	2,890	2,560	2,845	(45)	-1.56%
514000 - Retirement	96,880	114,805	114,805	157,235	42,430	36.96%
514010 - Retiree - Insurance	16,905	20,030	68,500	44,005	23,975	119.70%
514020 - Comp Absences-vacation	7,320	3,905	3,905	31,120	27,215	696.93%
514030 - Comp Absences-sick	5,340	-	-	-	-	0.00%
515000 - Cell Phone Stipend	7,240	8,160	7,400	8,580	420	5.15%
<b>Personnel Total</b>	<b>\$ 1,519,159</b>	<b>\$ 1,630,460</b>	<b>\$ 1,640,150</b>	<b>\$ 1,895,665</b>	<b>\$ 265,205</b>	<b>16.27%</b>

## Expense Detail (continued)

Stewart Creek WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520100 - Office Supplies	\$ 1,015	\$ 6,000	\$ 6,000	\$ 6,255	\$ 255	4.25%
520110 - Computer Supplies	21,132	3,690	5,345	6,410	2,720	73.71%
520200 - Xerox Supplies	3,713	4,800	2,800	1,730	(3,070)	-63.96%
520300 - Clothing Supplies	7,804	19,590	14,590	19,590	-	0.00%
520600 - Fuel, Oil and Lube	7,004	4,920	5,855	5,175	255	5.18%
520610 - Generator Fuel	264	11,000	6,375	10,250	(750)	-6.82%
520630 - Toll Fees	1,007	1,000	1,000	1,530	530	53.00%
520700 - Machine Oil & Lube	2,205	9,140	9,140	9,140	-	0.00%
520800 - Small Tools & Equip	16,915	30,080	30,080	22,330	(7,750)	-25.76%
520810 - Fire Extinguishers	-	900	900	900	-	0.00%
520900 - Janitorial Supplies	2,703	2,400	2,400	3,500	1,100	45.83%
521000 - Laboratory Supplies	11,324	18,205	18,205	11,800	(6,405)	-35.18%
521100 - Medical Supplies	-	1,955	1,955	1,955	-	0.00%
521110 - Safety Supplies	12,008	24,570	24,570	24,655	85	0.35%
521200 - Chem - Other	10,876	63,745	36,345	44,150	(19,595)	-30.74%
521203 - Chem - Chlorine	38,934	5,460	17,860	9,295	3,835	70.24%
521209 - Chem - Polymers	42,480	102,300	94,800	80,520	(21,780)	-21.29%
521210 - Chem - Hypochlorite	5,444	29,580	22,080	56,260	26,680	90.20%
521211 - Chem - Sulfur Dioxide	16,346	-	3,750	-	-	0.00%
521212 - Chem - Liq Ferr Sulfate	107,873	198,275	190,775	199,510	1,235	0.62%
521214 - Chem - Caustic	4,248	22,560	15,060	20,250	(2,310)	-10.24%
521215 - Chem - Bioxide	303,572	462,260	454,760	467,460	5,200	1.12%
521300 - Botanical Supplies	-	1,000	1,000	1,000	-	0.00%
521400 - Electrical Supplies	23,962	85,500	65,500	103,500	18,000	21.05%
521500 - Mechanical Supplies	70,471	95,850	78,350	179,850	84,000	87.64%
521700 - Building Supplies	1,258	11,000	11,000	11,000	-	0.00%
521900 - Vehicle Supplies	3,601	4,000	4,000	4,030	30	0.75%
521910 - Tires and Tubes	516	3,760	3,760	4,040	280	7.45%
522000 - Equipment Supplies	7,616	8,000	8,000	4,000	(4,000)	-50.00%
522100 - Welding Supplies	227	750	750	750	-	0.00%
522200 - Road Maint Supplies	-	1,000	250	1,000	-	0.00%
523000 - Other Supplies	37,126	31,460	23,960	31,460	-	0.00%
<b>Supplies Total</b>	<b>\$ 761,642</b>	<b>\$ 1,264,750</b>	<b>\$ 1,161,215</b>	<b>\$ 1,343,295</b>	<b>\$ 78,545</b>	<b>6.21%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 1,535	\$ 1,585	\$ 1,585	\$ 1,345	\$ (240)	-15.14%
530400 - Fire & Exten Cov Ins	2,417	2,870	2,870	3,600	730	25.44%
530900 - General Liability Ins	1,024	1,020	1,320	1,715	695	68.14%
531000 - Telephone	-	3,120	1,620	3,120	-	0.00%
531020 - Internet Service	18,596	23,940	23,940	24,265	325	1.36%
531100 - Electric Power	380,125	470,000	470,000	525,000	55,000	11.70%
531110 - Nat Gas, Butane & Kero	1,027	1,980	8,580	8,040	6,060	306.06%
531120 - Retail Water Service	1,990	3,600	3,600	3,600	-	0.00%
531200 - Bank Service Fees	20	20	20	20	-	0.00%
531310 - Special Studies & Rpts	1,200	10,000	10,000	5,000	(5,000)	-50.00%
531400 - Legal Service	6,639	5,500	11,920	5,500	-	0.00%



## Expense Detail (continued)

Stewart Creek WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services (continued)</b>						
531700 - Advertising	\$ 1,560	\$ 1,590	\$ 1,610	\$ 200	\$ (1,390)	-87.42%
531800 - Rent or Lease Payment	4,593	10,000	47,665	14,655	4,655	46.55%
531900 - Travel and Training	8,067	8,100	8,100	18,625	10,525	129.94%
532000 - Mem & Subscriptions	2,378	2,905	4,105	3,945	1,040	35.80%
532100 - Vehicle Maint	571	3,530	3,875	3,560	30	0.85%
532110 - Veh Maint by Solid Waste	2,878	2,000	2,000	2,000	-	0.00%
532200 - Equipment Maintenance	10,492	105,675	105,675	69,075	(36,600)	-34.63%
532800 - Grounds Maintenance	-	1,560	810	14,460	12,900	826.92%
532850 - Building Maintenance	3,479	34,550	34,550	40,520	5,970	17.28%
532900 - Electrical Sys Maint	63,325	80,000	80,000	90,000	10,000	12.50%
533000 - Other Services	16,163	90,000	78,750	100,000	10,000	11.11%
533030 - Contractual Safety Serv	1,125	2,645	2,645	2,645	-	0.00%
533100 - Administration	8,320	8,815	8,815	8,915	100	1.13%
533380 - Odor Control Crew	1,456	4,500	4,500	4,500	-	0.00%
533500 - Lab Svc - Contract	8,315	10,810	10,810	10,810	-	0.00%
533630 - Landfill Service Fees	176,575	313,235	304,185	314,620	1,385	0.44%
533640 - Hauling Fees	77,656	115,790	113,540	130,200	14,410	12.44%
533900 - Permits, Ins, & Lic Fees	30,505	49,095	49,095	49,370	275	0.56%
534000 - Uninsured losses	-	-	40	-	-	0.00%
Shared Services	507,775	694,195	694,940	805,100	110,905	15.98%
<b>Services Total</b>	<b>\$ 1,339,807</b>	<b>\$ 2,062,630</b>	<b>\$ 2,091,165</b>	<b>\$ 2,264,405</b>	<b>\$ 201,775</b>	<b>9.78%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ -	\$ 13,000	\$ 13,000	\$ 50,500	\$ 37,500	288.46%
540700 - Non-Vehicle Equipment	147,063	161,000	111,000	145,000	(16,000)	-9.94%
<b>Capital Outlay Total</b>	<b>\$ 147,063</b>	<b>\$ 174,000</b>	<b>\$ 124,000</b>	<b>\$ 195,500</b>	<b>\$ 21,500</b>	<b>12.36%</b>
<b>Capital Improvement</b>						
573010 - Tsf to Capital Impr	\$ -	\$ -	\$ 125,000	\$ -	\$ -	0.00%
<b>Capital Improvement Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 125,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 4,380,000	\$ 4,554,200	\$ 4,554,200	\$ 4,686,500	\$ 132,300	2.91%
579000 - Bond Service Fees	4,600	4,610	4,610	4,580	(30)	-0.65%
<b>Debt Service Total</b>	<b>\$ 4,384,600</b>	<b>\$ 4,558,810</b>	<b>\$ 4,558,810</b>	<b>\$ 4,691,080</b>	<b>\$ 132,270</b>	<b>2.90%</b>
<b>Grand Total</b>	<b>\$ 8,152,271</b>	<b>\$ 9,690,650</b>	<b>\$ 9,700,340</b>	<b>\$ 10,389,945</b>	<b>\$ 699,295</b>	<b>7.22%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$699,295 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Wages, Insurance, Retirement and Compensated Absences-vacation costs. Also, the new WW Administration allocation is implemented.
- Mechanical Supplies increased to purchase a backup submersible pump and other equipment for repairs due to plant expansion.
- Electrical Power increased as of a result of additional flows through the UV system due to plant expansion.
- Shared Services allocation increased for FY22.
- Vehicle Equipment increased to replace a maintenance vehicle.
- Debt Service increased due to no offsetting transfer from the Debt Service Reserve.

## Muddy Creek Wastewater Treatment Plant

### Position Summary

#### Muddy Creek WWTP

Full-Time Positions	FY21	FY22	Difference
Chief Wastewater Plant Operator	1.00	1.00	-
Information Systems Assistant	1.00	1.00	-
Lead Wastewater Plant Operator	2.00	2.00	-
Sewer System Plants Manager	0.18	-	(0.18)
Wastewater Plant Mechanic	1.00	1.00	-
Wastewater Plant Operator II	7.00	7.00	-
Wastewater Plant Operator III	4.00	4.00	-
Wastewater Plant Supervisor II	1.00	1.00	-
Wastewater Technician I	1.20	1.00	(0.20)
<b>Total Full-Time Positions</b>	<b>18.38</b>	<b>18.00</b>	<b>(0.38)</b>

### Revenues and Expenses

Muddy Creek WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>						
<b>Wastewater Sales</b>						
420000-WWTP - Members	\$ 6,766,742	\$ 7,184,195	\$ 7,671,565	\$ 8,166,130	\$ 981,935	13.67%
<b>Total Wastewater Sales</b>	<b>\$ 6,766,742</b>	<b>\$ 7,184,195</b>	<b>\$ 7,671,565</b>	<b>\$ 8,166,130</b>	<b>\$ 981,935</b>	<b>13.67%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 5,807	\$ -	\$ -	\$ -	\$ -	0.00%
440100-Customers - Debt Svc	344,830	344,830	344,830	344,830	-	0.00%
440140-Master Card Rebates	4,857	-	-	-	-	0.00%
440999-Miscellaneous Revenue	123	-	-	-	-	0.00%
459100-Tfr from Escrow Fund	-	-	10,000	-	-	0.00%
<b>Total Other</b>	<b>\$ 355,617</b>	<b>\$ 344,830</b>	<b>\$ 354,830</b>	<b>\$ 344,830</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 6,425	\$ 9,370	\$ 940	\$ 940	\$ (8,430)	-89.97%
<b>Revenues Total</b>	<b>\$ 7,128,784</b>	<b>\$ 7,538,395</b>	<b>\$ 8,027,335</b>	<b>\$ 8,511,900</b>	<b>\$ 973,505</b>	<b>12.91%</b>
<b>Expenses Total</b>	<b>\$ (7,128,784)</b>	<b>\$ (7,538,395)</b>	<b>\$ (8,027,335)</b>	<b>\$ (8,511,900)</b>	<b>\$ (973,505)</b>	<b>12.91%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

## Expense Detail

Muddy Creek WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 1,090,018	\$ 1,062,095	\$ 964,180	\$ 1,086,335	\$ 24,240	2.28%
511060 - Overtime	74,181	70,000	95,000	85,000	15,000	21.43%
512000 - Social Security	84,752	81,255	78,770	83,105	1,850	2.28%
513000 - Workers' Comp Ins	27,312	24,620	21,925	19,725	(4,895)	-19.88%
513020 - Hospitalization Ins	209,816	216,555	178,485	192,240	(24,315)	-11.23%
513040 - Dental Ins	10,117	10,825	8,585	8,705	(2,120)	-19.58%
513060 - Life Ins	2,660	2,870	2,440	2,660	(210)	-7.32%
514000 - Retirement	134,445	141,215	141,215	173,115	31,900	22.59%
514010 - Retiree - Insurance	23,455	24,635	56,730	48,450	23,815	96.67%
514020 - Comp Absences-vacation	4,145	3,215	3,215	11,430	8,215	255.52%
514030 - Comp Absences-sick	3,460	2,555	2,555	-	(2,555)	-100.00%
515000 - Cell Phone Stipend	8,225	8,245	7,640	9,045	800	9.70%
<b>Personnel Total</b>	<b>\$ 1,672,585</b>	<b>\$ 1,648,085</b>	<b>\$ 1,560,740</b>	<b>\$ 1,719,810</b>	<b>\$ 71,725</b>	<b>4.35%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 2,872	\$ 10,500	\$ 8,000	\$ 11,260	\$ 760	7.24%
520110 - Computer Supplies	16,839	16,550	12,445	18,035	1,485	8.97%
520200 - Xerox Supplies	1,498	1,500	1,500	1,735	235	15.67%
520300 - Clothing Supplies	9,827	14,160	14,160	14,160	-	0.00%
520600 - Fuel, Oil and Lube	3,795	6,430	6,430	6,610	180	2.80%
520610 - Generator Fuel	-	7,320	7,320	7,320	-	0.00%
520630 - Toll Fees	82	250	250	280	30	12.00%
520700 - Machine Oil & Lube	4,613	4,890	4,890	4,890	-	0.00%
520800 - Small Tools & Equip	36,967	34,000	31,000	21,250	(12,750)	-37.50%
520810 - Fire Extinguishers	190	375	375	375	-	0.00%
520900 - Janitorial Supplies	3,050	2,060	2,060	6,060	4,000	194.17%
521000 - Laboratory Supplies	13,406	10,690	13,690	16,940	6,250	58.47%
521100 - Medical Supplies	73	1,010	1,010	1,010	-	0.00%
521110 - Safety Supplies	27,001	36,700	20,700	39,280	2,580	7.03%
521200 - Chem - Other	1,556	10,070	9,770	10,070	-	0.00%
521201 - Chem - Lime	4,893	21,900	21,900	14,565	(7,335)	-33.49%
521203 - Chem - Chlorine	5,229	4,680	4,680	10,300	5,620	120.09%
521209 - Chem - Polymers	78,706	89,125	89,125	86,990	(2,135)	-2.40%
521210 - Chem - Hypochlorite	4,371	7,000	7,300	13,580	6,580	94.00%
521212 - Chem - Liq Ferr Sulfate	90,231	138,770	133,445	124,250	(14,520)	-10.46%
521214 - Chem - Caustic	4,232	7,360	7,360	6,750	(610)	-8.29%
521300 - Botanical Supplies	2,421	1,500	1,500	1,500	-	0.00%
521400 - Electrical Supplies	123,895	105,640	70,640	136,340	30,700	29.06%
521500 - Mechanical Supplies	114,990	101,800	91,800	124,800	23,000	22.59%
521700 - Building Supplies	7,990	14,500	14,500	14,500	-	0.00%
521900 - Vehicle Supplies	3,526	2,900	2,900	2,935	35	1.21%
521910 - Tires and Tubes	732	4,400	4,400	4,480	80	1.82%
522000 - Equipment Supplies	5,159	3,825	3,825	3,825	-	0.00%
522100 - Welding Supplies	277	1,000	1,000	1,000	-	0.00%
523000 - Other Supplies	61,213	55,000	55,000	56,600	1,600	2.91%
<b>Supplies Total</b>	<b>\$ 629,636</b>	<b>\$ 715,905</b>	<b>\$ 642,975</b>	<b>\$ 761,690</b>	<b>\$ 45,785</b>	<b>6.40%</b>

## Expense Detail (continued)

Muddy Creek WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
530300 - Automotive Insurance	\$ 1,454	\$ 1,490	\$ 1,490	\$ 1,295	\$ (195)	-13.09%
530400 - Fire & Exten Cov Ins	12,328	14,650	19,975	25,575	10,925	74.57%
530900 - General Liability Ins	1,957	2,385	2,385	1,905	(480)	-20.13%
531020 - Internet Service	30,149	31,380	51,380	36,740	5,360	17.08%
531100 - Electric Power	250,338	320,000	921,285	275,000	(45,000)	-14.06%
531200 - Bank Service Fees	31	100	100	100	-	0.00%
531310 - Special Studies & Rpts	13,061	37,250	22,250	12,250	(25,000)	-67.11%
531400 - Legal Service	6,483	8,250	8,250	5,500	(2,750)	-33.33%
531700 - Advertising	2,087	-	350	200	200	0.00%
531800 - Rent or Lease Payment	3,522	4,215	4,215	4,605	390	9.25%
531900 - Travel and Training	1,683	6,360	6,360	19,790	13,430	211.16%
532000 - Mem & Subscriptions	2,084	4,605	4,605	4,050	(555)	-12.05%
532100 - Vehicle Maint	7,638	2,560	2,560	2,560	-	0.00%
532110 - Veh Maint by Solid Waste	2,420	1,000	1,100	1,000	-	0.00%
532200 - Equipment Maintenance	32,263	65,400	65,400	67,300	1,900	2.91%
532800 - Grounds Maintenance	12,276	13,500	13,500	12,360	(1,140)	-8.44%
532850 - Building Maintenance	-	10,480	10,480	10,380	(100)	-0.95%
532900 - Electrical Sys Maint	24,597	45,000	45,000	24,000	(21,000)	-46.67%
533000 - Other Services	77,874	149,500	156,650	151,000	1,500	1.00%
533020 - Contract Labor	563	-	-	-	-	0.00%
533030 - Contractual Safety Serv	-	3,300	3,300	3,300	-	0.00%
533100 - Administration	9,355	9,010	9,010	8,680	(330)	-3.66%
533380 - Odor Control Crew	165	3,000	3,000	3,000	-	0.00%
533500 - Lab Svc - Contract	10,893	9,880	9,880	11,000	1,120	11.34%
533630 - Landfill Service Fees	235,836	279,235	279,235	279,460	225	0.08%
533640 - Hauling Fees	99,564	98,175	98,175	111,870	13,695	13.95%
533900 - Permits, Ins, & Lic Fees	54,105	57,940	57,940	57,940	-	0.00%
534000 - Uninsured losses	-	-	3,005	-	-	0.00%
Shared Services	910,646	998,640	1,010,640	1,169,485	170,845	17.11%
<b>Services Total</b>	<b>\$ 1,803,372</b>	<b>\$ 2,177,305</b>	<b>\$ 2,811,520</b>	<b>\$ 2,300,345</b>	<b>\$ 123,040</b>	<b>5.65%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ -	\$ -	\$ -	\$ 30,000	\$ 30,000	0.00%
540500 - Machinery	\$ 208,936	\$ 351,000	\$ 288,000	\$ 364,000	\$ 13,000	3.70%
540700 - Non-Vehicle Equipment	51,954	-	-	-	-	0.00%
542000 - Other Capital Outlay	160,586	-	-	-	-	0.00%
<b>Capital Outlay Total</b>	<b>\$ 421,476</b>	<b>\$ 351,000</b>	<b>\$ 288,000</b>	<b>\$ 394,000</b>	<b>\$ 43,000</b>	<b>12.25%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 2,250,000	\$ 2,288,000	\$ 2,366,000	\$ 2,850,200	\$ 562,200	24.57%
573000 - Sabine Plnt DS-RWS Note	-	-	-	125,275	125,275	0.00%
574010 - DS Acquisition	344,830	344,830	344,830	344,830	-	0.00%
579000 - Bond Service Fees	6,885	13,270	13,270	15,750	2,480	18.69%
<b>Debt Service Total</b>	<b>\$ 2,601,715</b>	<b>\$ 2,646,100</b>	<b>\$ 2,724,100</b>	<b>\$ 3,336,055</b>	<b>\$ 689,955</b>	<b>26.07%</b>
<b>Grand Total</b>	<b>\$ 7,128,784</b>	<b>\$ 7,538,395</b>	<b>\$ 8,027,335</b>	<b>\$ 8,511,900</b>	<b>\$ 973,505</b>	<b>12.91%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$973,505 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Wages, Insurance, Retirement and Compensated Absences-vacation costs. Also, the new WW Administration allocation is implemented.
- Electrical Supplies increased for new return activated sludge pump flow meters to replace the obsolete meters currently in use and to repair or purchase spare parts for the UV disinfections systems.
- Mechanical Supplies increased to replace the diaphragm chemical pumps with peristaltic pumps on the odor control system at the headworks and to repair or purchase various aged plant systems and parts.
- Electric Power decreased based on estimated usage.
- Shared Services allocation increased for FY22.
- Vehicle Equipment increased to replace the operator truck meeting the replacement criteria.
- Debt Service increased as a result of a full year's payment for the debt issued in FY21 for peak flow storage and expansion and the operations building improvements and the expected borrowing from the RWS for the FY21 electric power bill.



## Seis Lagos Wastewater Treatment Plant

### Revenues and Expenses

Seis Lagos WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>						
<b>Wastewater Sales</b>						
420000-WWTP - Members	\$ 193,706	\$ 250,125	\$ 267,010	\$ 327,000	\$ 76,875	30.73%
<b>Total Wastewater Sales</b>	<b>\$ 193,706</b>	<b>\$ 250,125</b>	<b>\$ 267,010</b>	<b>\$ 327,000</b>	<b>\$ 76,875</b>	<b>30.73%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 245	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	227	-	-	-	-	0.00%
440999-Miscellaneous Revenue	10,644	-	-	-	-	0.00%
459100-Tfr from Escr	-	-	14,000	-	-	0.00%
<b>Total Other</b>	<b>\$ 11,116</b>	<b>\$ -</b>	<b>\$ 14,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 774	\$ 1,170	\$ 35	\$ 35	\$ (1,135)	-97.01%
<b>Revenues Total</b>	<b>\$ 205,596</b>	<b>\$ 251,295</b>	<b>\$ 281,045</b>	<b>\$ 327,035</b>	<b>\$ 75,740</b>	<b>30.14%</b>
<b>Expenses Total</b>	<b>\$ (205,596)</b>	<b>\$ (251,295)</b>	<b>\$ (281,045)</b>	<b>\$ (327,035)</b>	<b>\$ (75,740)</b>	<b>30.14%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

### Expense Detail

Seis Lagos WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 43,720	\$ 46,595	\$ 47,900	\$ 65,995	\$ 19,400	41.64%
511060 - Overtime	5,258	4,380	4,655	6,425	2,045	46.69%
512000 - Social Security	3,439	3,555	3,945	5,045	1,490	41.91%
513000 - Workers' Comp Ins	993	940	995	1,220	280	29.79%
513020 - Hospitalization Ins	12,575	14,225	13,870	19,220	4,995	35.11%
513040 - Dental Ins	659	795	810	1,040	245	30.82%
513060 - Life Ins	107	125	120	155	30	24.00%
514000 - Retirement	5,805	6,575	6,575	7,750	1,175	17.87%
514010 - Retiree - Insurance	1,015	1,145	1,145	2,170	1,025	89.52%
514020 - Comp Absences-vacation	375	345	345	1,800	1,455	421.74%
514030 - Comp Absences-sick	585	465	465	-	(465)	-100.00%
515000 - Cell Phone Stipend	335	380	365	515	135	35.53%
<b>Personnel Total</b>	<b>\$ 74,867</b>	<b>\$ 79,525</b>	<b>\$ 81,190</b>	<b>\$ 111,335</b>	<b>\$ 31,810</b>	<b>40.00%</b>

## Expense Detail (continued)

Seis Lagos WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520300 - Clothing Supplies	316	625	225	780	155	24.80%
520700 - Machine Oil & Lube	-	400	240	400	-	0.00%
520800 - Small Tools & Equip	379	4,500	4,020	2,500	(2,000)	-44.44%
520810 - Fire Extinguishers	-	80	-	80	-	0.00%
521110 - Safety Supplies	106	1,000	360	4,000	3,000	300.00%
521200 - Chem - Other	3,801	4,100	4,100	100	(4,000)	-97.56%
521203 - Chem - Chlorine	4,490	5,225	5,225	7,875	2,650	50.72%
521209 - Chem - Polymers	-	-	-	7,320	7,320	0.00%
521210 - Chem - Hypochlorite	-	-	-	575	575	0.00%
521400 - Electrical Supplies	6,861	2,500	4,480	5,000	2,500	100.00%
521500 - Mechanical Supplies	11,847	5,000	19,960	5,000	-	0.00%
522000 - Equipment Supplies	-	2,025	525	2,025	-	0.00%
522200 - Road Maint Supplies	-	600	-	600	-	0.00%
523000 - Other Supplies	390	600	340	600	-	0.00%
523660 - Small Plants Supplies	8,489	10,355	9,930	12,845	2,490	24.05%
<b>Supplies Total</b>	<b>\$ 36,679</b>	<b>\$ 37,010</b>	<b>\$ 49,405</b>	<b>\$ 49,700</b>	<b>\$ 12,690</b>	<b>34.29%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 550	\$ 570	\$ 570	\$ 530	(40)	-7.02%
530900 - General Liability Ins	34	45	45	45	-	0.00%
531000 - Telephone	847	1,200	800	1,200	-	0.00%
531020 - Internet Service	90	90	90	90	-	0.00%
531100 - Electric Power	19,076	17,000	45,360	25,000	8,000	47.06%
531310 - Special Studies & Rpts	-	5,000	2,000	2,500	(2,500)	-50.00%
531400 - Legal Service	1,967	11,000	8,000	6,500	(4,500)	-40.91%
531700 - Advertising	-	2,120	2,415	2,120	-	0.00%
531800 - Rent or Lease Payment	-	100	1,275	100	-	0.00%
532200 - Equipment Maintenance	-	1,450	3,275	1,450	-	0.00%
532800 - Grounds Maintenance	1,305	3,450	2,075	3,450	-	0.00%
532900 - Electrical Sys Maint	-	-	-	1,500	1,500	0.00%
533000 - Other Services	1,892	3,000	110	7,000	4,000	133.33%
533100 - Administration	445	410	410	410	-	0.00%
533500 - Lab Svc - Contract	693	700	700	700	-	0.00%
533630 - Landfill Service Fees	4,731	4,600	4,600	5,620	1,020	22.17%
533640 - Hauling Fees	5,056	4,870	2,870	6,120	1,250	25.67%
533660 - Small Plants Exp	4,815	7,275	7,745	12,770	5,495	75.53%
533670 - Hauling and Dewatering	205	1,690	1,690	1,690	-	0.00%
533900 - Permits, Ins, & Lic Fees	1,290	3,345	3,345	3,345	-	0.00%
534000 - Uninsured losses	-	-	270	-	-	0.00%
Shared Services	46,845	60,515	56,520	72,680	12,165	20.10%
<b>Services Total</b>	<b>\$ 89,840</b>	<b>\$ 128,430</b>	<b>\$ 144,165</b>	<b>\$ 154,820</b>	<b>\$ 26,390</b>	<b>20.55%</b>

## Expense Detail (continued)

Seis Lagos WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Capital Outlay</b>						
543660 - Small Plants Capital	\$ 3,261	\$ 4,380	\$ 4,335	\$ 5,550	\$ 1,170	26.71%
<b>Capital Outlay Total</b>	<b>\$ 3,261</b>	<b>\$ 4,380</b>	<b>\$ 4,335</b>	<b>\$ 5,550</b>	<b>\$ 1,170</b>	<b>26.71%</b>
<b>Escrow</b>						
550660 - Rsv for Maintenance	\$ 950	\$ 1,950	\$ 1,950	\$ 1,950	-	0.00%
<b>Escrow Total</b>	<b>\$ 950</b>	<b>\$ 1,950</b>	<b>\$ 1,950</b>	<b>\$ 1,950</b>	<b>-</b>	<b>0.00%</b>
<b>Debt Service</b>						
573000 - DS-RWS Note	\$ -	\$ -	\$ -	\$ 3,680	\$ 3,680	0.00%
<b>Debt Service Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,680</b>	<b>\$ 3,680</b>	<b>0.00%</b>
<b>Grand Total</b>	<b>\$ 205,596</b>	<b>\$ 251,295</b>	<b>\$ 281,045</b>	<b>\$ 327,035</b>	<b>\$ 75,740</b>	<b>30.14%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$75,740 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Wages, Insurance, Retirement and Compensated Absences-vacation costs. Also, there is a new Wastewater Mechanic position for the Small WWTPs and the WW Administration allocation is implemented.
- Safety Supplies increased for additional fall protection items recommended for personnel safety.
- An overall increase in Chemicals due to higher chemical prices.
- Electrical Supplies increased for safety lighting to properly light the plant when employees work after hours.
- Shared Services allocation increased in FY22.
- Electric Power increased based on expected usage.
- Other Services increased to rehabilitate the traveling bridge and to repair the fence to meet state regulations.
- Debt Service was added to cover borrowing related to the February 2021 electric power bill.

## Royse City Wastewater Treatment Plant

### Revenues and Expenses

Royse City WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>						
<b>Wastewater Sales</b>						
420000-WWTP - Members	\$ (6,247)	\$ 24,935	\$ 24,950	\$ 20,155	\$ (4,780)	-19.17%
<b>Total Wastewater Sales</b>	<b>\$ (6,247)</b>	<b>\$ 24,935</b>	<b>\$ 24,950</b>	<b>\$ 20,155</b>	<b>\$ (4,780)</b>	<b>-19.17%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 27	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	4	-	-	-	-	0.00%
440999-Miscellaneous Revenue	21,129	-	-	-	-	0.00%
<b>Total Other</b>	<b>\$ 21,160</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 70	\$ 95	\$ 25	\$ 25	\$ (70)	-73.68%
<b>Revenues Total</b>	<b>\$ 14,983</b>	<b>\$ 25,030</b>	<b>\$ 24,975</b>	<b>\$ 20,180</b>	<b>\$ (4,850)</b>	<b>-19.38%</b>
<b>Expenses Total</b>	<b>\$ (14,983)</b>	<b>\$ (25,030)</b>	<b>\$ (24,975)</b>	<b>\$ (20,180)</b>	<b>\$ 4,850</b>	<b>-19.38%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

### Expense Detail

Royse City WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 3,274	\$ 1,280	\$ 1,310	\$ 3,125	\$ 1,845	144.14%
511060 - Overtime	389	120	125	140	20	16.67%
512000 - Social Security	253	100	110	235	135	135.00%
513000 - Workers' Comp Ins	74	20	25	25	5	25.00%
513020 - Hospitalization Ins	1,013	435	380	455	20	4.60%
513040 - Dental Ins	50	55	20	25	(30)	-54.55%
513060 - Life Ins	7	-	5	5	5	0.00%
514000 - Retirement	745	815	815	630	(185)	-22.70%
514010 - Retiree - Insurance	130	140	165	175	35	25.00%
514020 - Comp Absences-vacation	50	45	45	-	(45)	-100.00%
514030 - Comp Absences-sick	75	55	55	-	(55)	-100.00%
515000 - Cell Phone Stipend	27	25	10	5	(20)	-80.00%
<b>Personnel Total</b>	<b>\$ 6,086</b>	<b>\$ 3,090</b>	<b>\$ 3,065</b>	<b>\$ 4,820</b>	<b>\$ 1,730</b>	<b>55.99%</b>
<b>Supplies</b>						
520300 - Clothing Supplies	\$ 29	\$ 20	\$ 20	\$ 15	\$ (5)	-25.00%
521110 - Safety Supplies	5	-	5	-	-	0.00%
523660 - Small Plants Supplies	633	285	275	280	(5)	-1.75%
<b>Supplies Total</b>	<b>\$ 668</b>	<b>\$ 305</b>	<b>\$ 300</b>	<b>\$ 295</b>	<b>\$ (10)</b>	<b>-3.28%</b>

## Expense Detail (continued)

Royse City WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
530300 - Automotive Insurance	\$ 64	\$ 75	\$ 75	\$ 15	(60)	-80.00%
530900 - General Liability Ins	3	5	5	5	-	0.00%
531100 - Electric Power	99	110	110	135	25	22.73%
531310 - Special Studies & Rpts	-	5,000	5,000	-	(5,000)	-100.00%
531400 - Legal Service	1,776	5,500	6,300	5,500	-	0.00%
531700 - Advertising	-	2,760	2,655	200	(2,560)	-92.75%
532800 - Grounds Maintenance	1,790	1,790	1,790	1,790	-	0.00%
533100 - Administration	40	45	45	45	-	0.00%
533660 - Small Plants Exp	359	200	210	280	80	40.00%
533900 - Permits, Ins, & Lic Fees	1,615	3,520	2,790	3,680	160	4.55%
Shared Services	2,240	2,510	2,510	3,295	785	31.27%
<b>Services Total</b>	<b>\$ 7,986</b>	<b>\$ 21,515</b>	<b>\$ 21,490</b>	<b>\$ 14,945</b>	<b>(6,570)</b>	<b>-30.54%</b>
<b>Capital Outlay</b>						
543660 - Small Plants Capital	\$ 243	\$ 120	\$ 120	\$ 120	-	0.00%
<b>Capital Outlay Total</b>	<b>\$ 243</b>	<b>\$ 120</b>	<b>\$ 120</b>	<b>\$ 120</b>	<b>-</b>	<b>0.00%</b>
<b>Grand Total</b>	<b>\$ 14,983</b>	<b>\$ 25,030</b>	<b>\$ 24,975</b>	<b>\$ 20,180</b>	<b>(4,850)</b>	<b>-19.38%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has decreased by \$4,850 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Wages and Insurance costs. Also, there is a new Wastewater Mechanic position for the Small WWTPs and the WW Administration allocation is implemented.
- Special Studies & Reports and Advertising decreased due to a lower need in FY22.

## Farmersville Wastewater Treatment Plant

### Revenues and Expenses

Farmersville WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>						
<b>Wastewater Sales</b>						
420000-WWTP - Members	\$ 457,793	\$ 528,185	\$ 532,785	\$ 576,090	\$ 47,905	9.07%
<b>Total Wastewater Sales</b>	<b>\$ 457,793</b>	<b>\$ 528,185</b>	<b>\$ 532,785</b>	<b>\$ 576,090</b>	<b>\$ 47,905</b>	<b>9.07%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 327	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	447	-	-	-	-	0.00%
440999-Miscellaneous Revenue	10,756	-	-	-	-	0.00%
730000-Sale of Capital Assets	1,018	-	-	-	-	0.00%
<b>Total Other</b>	<b>\$ 12,548</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 954	\$ 1,425	\$ 80	\$ 80	\$ (1,345)	-94.39%
<b>Revenues Total</b>	<b>\$ 471,295</b>	<b>\$ 529,610</b>	<b>\$ 532,865</b>	<b>\$ 576,170</b>	<b>\$ 46,560</b>	<b>8.79%</b>
<b>Expenses Total</b>	<b>\$ (471,295)</b>	<b>\$ (529,610)</b>	<b>\$ (532,865)</b>	<b>\$ (576,170)</b>	<b>\$ (46,560)</b>	<b>8.79%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

### Expense Detail

Farmersville WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 108,813	\$ 106,600	\$ 109,585	\$ 105,215	\$ (1,385)	-1.30%
511060 - Overtime	13,112	10,020	10,660	10,235	215	2.15%
512000 - Social Security	8,576	8,155	9,020	8,050	(105)	-1.29%
513000 - Workers' Comp Ins	2,476	2,140	2,275	1,945	(195)	-9.11%
513020 - Hospitalization Ins	30,566	32,530	31,735	30,785	(1,745)	-5.36%
513040 - Dental Ins	1,632	1,770	1,850	1,685	(85)	-4.80%
513060 - Life Ins	266	280	275	245	(35)	-12.50%
514000 - Retirement	10,885	12,760	12,760	18,730	5,970	46.79%
514010 - Retiree - Insurance	1,900	2,225	2,225	5,240	3,015	135.51%
514020 - Comp Absences-vacation	795	805	805	3,175	2,370	294.41%
514030 - Comp Absences-sick	1,105	1,010	1,010	-	(1,010)	-100.00%
515000 - Cell Phone Stipend	822	840	830	810	(30)	-3.57%
<b>Personnel Total</b>	<b>\$ 180,948</b>	<b>\$ 179,135</b>	<b>\$ 183,030</b>	<b>\$ 186,115</b>	<b>\$ 6,980</b>	<b>3.90%</b>



## Expense Detail (continued)

Farmersville WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520300 - Clothing Supplies	\$ 775	\$ 1,430	\$ 1,430	\$ 1,245	\$ (185)	-12.94%
520600 - Fuel, Oil and Lube	-	-	60	-	-	0.00%
520610 - Generator Fuel	-	600	100	600	-	0.00%
520700 - Machine Oil & Lube	420	600	600	600	-	0.00%
520800 - Small Tools & Equip	4,620	4,150	4,750	2,150	(2,000)	-48.19%
520810 - Fire Extinguishers	-	120	120	120	-	0.00%
521110 - Safety Supplies	344	500	500	5,500	5,000	1000.00%
521200 - Chem - Other	9,724	10,100	11,600	100	(10,000)	-99.01%
521203 - Chem - Chlorine	7,227	9,980	8,480	15,745	5,765	57.77%
521209 - Chem - Polymers	-	-	-	14,640	14,640	0.00%
521210 - Chem - Hypochlorite	-	-	-	575	575	0.00%
521400 - Electrical Supplies	16,071	10,000	9,400	8,000	(2,000)	-20.00%
521500 - Mechanical Supplies	10,605	18,500	18,500	12,500	(6,000)	-32.43%
521700 - Building Supplies	-	-	200	-	-	0.00%
522000 - Equipment Supplies	-	1,000	800	1,000	-	0.00%
522200 - Road Maint Supplies	-	600	600	600	-	0.00%
523000 - Other Supplies	787	800	800	800	-	0.00%
523660 - Small Plants Supplies	21,158	23,690	22,720	20,470	(3,220)	-13.59%
<b>Supplies Total</b>	<b>\$ 71,730</b>	<b>\$ 82,070</b>	<b>\$ 80,660</b>	<b>\$ 84,645</b>	<b>\$ 2,575</b>	<b>3.14%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 2,594	\$ 2,950	\$ 2,950	\$ 2,425	\$ (525)	-17.80%
530900 - General Liability Ins	91	85	85	100	15	17.65%
531020 - Internet Service	273	390	390	390	-	0.00%
531100 - Electric Power	45,952	50,000	50,000	50,000	-	0.00%
531120 - Retail Water Service	1,019	1,200	1,200	1,200	-	0.00%
531310 - Special Studies & Rpts	-	15,000	15,000	7,500	(7,500)	-50.00%
531400 - Legal Service	63	11,000	11,000	8,500	(2,500)	-22.73%
531700 - Advertising	-	4,240	4,240	4,600	360	8.49%
531800 - Rent or Lease Payment	2,500	500	500	500	-	0.00%
532200 - Equipment Maintenance	125	3,000	8,000	3,000	-	0.00%
532800 - Grounds Maintenance	1,782	2,980	2,980	2,980	-	0.00%
532900 - Electrical Sys Maint	-	5,000	500	5,000	-	0.00%
533000 - Other Services	7,189	7,000	6,745	9,000	2,000	28.57%
533030 - Contractual Safety Serv	-	2,750	2,750	2,750	-	0.00%
533100 - Administration	800	810	810	850	40	4.94%
533500 - Lab Svc - Contract	1,346	2,100	2,100	2,100	-	0.00%
533630 - Landfill Service Fees	15,089	8,700	8,700	14,980	6,280	72.18%
533640 - Hauling Fees	7,656	5,360	5,360	7,150	1,790	33.40%
533660 - Small Plants Exp	12,001	16,640	17,710	20,345	3,705	22.27%
533900 - Permits, Ins, & Lic Fees	4,376	8,540	8,540	8,540	-	0.00%
534000 - Uninsured losses	-	-	255	-	-	0.00%
Shared Services	83,722	105,140	104,440	111,655	6,515	6.20%
<b>Services Total</b>	<b>\$ 186,578</b>	<b>\$ 253,385</b>	<b>\$ 254,255</b>	<b>\$ 263,565</b>	<b>\$ 10,180</b>	<b>4.02%</b>

## Expense Detail (continued)

Farmersville WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Capital Outlay</b>						
540500 - Machinery	\$ 23,912	\$ 5,000	\$ 5,000	\$ 33,000	\$ 28,000	560.00%
543660 - Small Plants Capital	8,127	10,020	9,920	8,845	(1,175)	-11.73%
<b>Capital Outlay Total</b>	<b>\$ 32,039</b>	<b>\$ 15,020</b>	<b>\$ 14,920</b>	<b>\$ 41,845</b>	<b>\$ 26,825</b>	<b>178.60%</b>
<b>Grand Total</b>	<b>\$ 471,295</b>	<b>\$ 529,610</b>	<b>\$ 532,865</b>	<b>\$ 576,170</b>	<b>\$ 46,560</b>	<b>8.79%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$46,560 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Insurance, Retirement and Compensated Absences-vacation costs. Also, there is a new Wastewater Mechanic position for the Small WWTPs and the WW Administration allocation is implemented.
- Safety Supplies increased to replace the davit system used to make permitted confined space entries into the Farmersville wetwell to clean the barscreen.
- Landfill Service Fees increased based on historical trending and landfill fee increases.
- Shared Services allocation increased in FY22.
- Machinery increased to purchase a replacement polymer pump and a spare lift pump.

## Lavon (Bear Creek) Wastewater Treatment Plant

### Revenues and Expenses

Lavon WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>						
<b>Wastewater Sales</b>						
420000-WWTP - Members	\$ 359,478	\$ 419,450	\$ 424,030	\$ 481,705	\$ 62,255	14.84%
<b>Total Wastewater Sales</b>	<b>\$ 359,478</b>	<b>\$ 419,450</b>	<b>\$ 424,030</b>	<b>\$ 481,705</b>	<b>\$ 62,255</b>	<b>14.84%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 247	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	250	-	-	-	-	0.00%
440999-Miscellaneous Revenue	6	-	-	-	-	0.00%
<b>Total Other</b>	<b>\$ 503</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Intest Income	\$ 908	\$ 1,375	\$ 65	\$ 65	\$ (1,310)	-95.27%
<b>Revenues Total</b>	<b>\$ 360,889</b>	<b>\$ 420,825</b>	<b>\$ 424,095</b>	<b>\$ 481,770</b>	<b>\$ 60,945</b>	<b>14.48%</b>
<b>Expenses Total</b>	<b>\$ (360,889)</b>	<b>\$ (420,825)</b>	<b>\$ (424,095)</b>	<b>\$ (481,770)</b>	<b>\$ (60,945)</b>	<b>14.48%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

### Expense Detail

Lavon WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 85,883	\$ 106,600	\$ 109,585	\$ 117,425	\$ 10,825	10.15%
511060 - Overtime	10,363	10,020	10,720	11,790	1,770	17.66%
512000 - Social Security	6,777	8,155	9,020	8,965	810	9.93%
513000 - Workers' Comp Ins	1,957	2,140	2,275	2,225	85	3.97%
513020 - Hospitalization Ins	23,632	32,530	31,735	35,160	2,630	8.08%
513040 - Dental Ins	1,280	1,770	1,850	1,915	145	8.19%
513060 - Life Ins	209	280	275	280	-	0.00%
514000 - Retirement	7,260	8,050	8,050	14,545	6,495	80.68%
514010 - Retiree - Insurance	1,265	1,405	1,405	4,070	2,665	189.68%
514020 - Comp Absences-vacation	510	460	460	3,655	3,195	694.57%
514030 - Comp Absences-sick	735	575	575	-	(575)	-100.00%
515000 - Cell Phone Stipend	640	825	830	910	85	10.30%
<b>Personnel Total</b>	<b>\$ 140,510</b>	<b>\$ 172,810</b>	<b>\$ 176,780</b>	<b>\$ 200,940</b>	<b>\$ 28,130</b>	<b>16.28%</b>

## Expense Detail (continued)

Lavon WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520300 - Clothing Supplies	\$ 624	\$ 1,430	\$ 1,430	\$ 1,435	\$ 5	0.35%
520610 - Generator Fuel	-	315	315	315	-	0.00%
520700 - Machine Oil & Lube	-	200	240	200	-	0.00%
520800 - Small Tools & Equip	1,294	4,500	4,460	2,500	(2,000)	-44.44%
520810 - Fire Extinguishers	-	160	160	160	-	0.00%
521110 - Safety Supplies	314	1,500	1,500	1,500	-	0.00%
521200 - Chem - Other	6,765	6,100	6,100	100	(6,000)	-98.36%
521203 - Chem - Chlorine	5,848	5,250	5,250	9,840	4,590	87.43%
521209 - Chem - Polymers	-	-	-	8,530	8,530	0.00%
521210 - Chem - Hypochlorite	-	-	-	575	575	0.00%
521400 - Electrical Supplies	4,846	8,000	8,000	5,000	(3,000)	-37.50%
521500 - Mechanical Supplies	38,377	5,000	6,500	5,000	-	0.00%
522000 - Equipment Supplies	-	2,025	2,025	2,025	-	0.00%
522200 - Road Maint Supplies	605	1,200	1,200	1,200	-	0.00%
523000 - Other Supplies	868	2,000	2,000	2,000	-	0.00%
523660 - Small Plants Supplies	16,723	23,690	22,720	23,575	(115)	-0.49%
<b>Supplies Total</b>	<b>\$ 76,266</b>	<b>\$ 61,370</b>	<b>\$ 61,900</b>	<b>\$ 63,955</b>	<b>\$ 2,585</b>	<b>4.21%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 760	\$ 705	\$ 1,005	\$ 1,210	\$ 505	71.63%
530900 - General Liability Ins	73	55	65	85	30	54.55%
531020 - Internet Service	457	810	810	810	-	0.00%
531310 - Special Studies & Rpts	-	5,000	5,000	2,500	(2,500)	-50.00%
531400 - Legal Service	194	11,000	9,000	6,500	(4,500)	-40.91%
531700 - Advertising	-	2,120	2,370	4,600	2,480	116.98%
531800 - Rent or Lease Payment	1,550	500	500	500	-	0.00%
532200 - Equipment Maintenance	504	4,000	4,000	4,000	-	0.00%
532800 - Grounds Maintenance	730	730	730	730	-	0.00%
532900 - Electrical Sys Maint	-	1,800	1,800	2,500	700	38.89%
533000 - Other Services	9,446	25,000	18,830	33,000	8,000	32.00%
533100 - Administration	605	630	630	660	30	4.76%
533380 - Odor Control Crew	1,156	2,000	2,000	2,000	-	0.00%
533500 - Lab Svc - Contract	693	700	700	700	-	0.00%
533630 - Landfill Service Fees	9,188	4,970	9,970	10,485	5,515	110.97%
533640 - Hauling Fees	6,200	3,600	5,100	8,380	4,780	132.78%
533660 - Small Plants Exp	9,486	16,640	17,710	23,435	6,795	40.84%
533670 - Hauling and Dewatering	239	2,100	2,100	2,375	275	13.10%
533900 - Permits, Ins, & Lic Fees	1,250	5,015	5,015	5,015	-	0.00%
534000 - Uninsured losses	-	-	170	-	-	0.00%
Shared Services	91,160	74,450	78,450	92,405	17,955	24.12%
<b>Services Total</b>	<b>\$ 133,690</b>	<b>\$ 161,825</b>	<b>\$ 165,955</b>	<b>\$ 201,890</b>	<b>\$ 40,065</b>	<b>24.76%</b>

## Expense Detail (continued)

Lavon WWTP	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Capital Outlay</b>						
540500 - Machinery	\$ -	\$ 10,000	\$ 4,740	\$ -	(10,000)	-100.00%
543660 - Small Plants Capital	6,424	10,020	9,920	10,185	165	1.65%
<b>Capital Outlay Total</b>	<b>\$ 6,424</b>	<b>\$ 20,020</b>	<b>\$ 14,660</b>	<b>\$ 10,185</b>	<b>\$ (9,835)</b>	<b>-49.13%</b>
<b>Escrow</b>						
550660 - Rsv for Maintenance	\$ 4,000	\$ 4,800	\$ 4,800	\$ 4,800	-	0.00%
<b>Escrow Total</b>	<b>\$ 4,000</b>	<b>\$ 4,800</b>	<b>\$ 4,800</b>	<b>\$ 4,800</b>	<b>\$ -</b>	<b>0.00%</b>
<b>Grand Total</b>	<b>\$ 360,889</b>	<b>\$ 420,825</b>	<b>\$ 424,095</b>	<b>\$ 481,770</b>	<b>\$ 60,945</b>	<b>14.48%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$60,945 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Insurance, Retirement and Compensated Absences-vacation costs. Also, there is a new Wastewater Mechanic position for the Small WWTPs and the new WW Administration allocation is implemented.
- An overall increase in Chemicals due to higher chemical prices.
- Other Services increased for a clarifier mechanism to protect existing metal to prolong the life of the equipment and for five year maintenance program costs.
- Shared Services allocation increased in FY22.

## Small Wastewater Treatment Plants

### Position Summary

#### Small WWTPs

Full-Time Positions	FY21	FY22	Difference
Chief Wastewater Plant Operator	1.00	1.00	-
Information Systems Assistant	1.00	1.00	-
Sewer System Plants Manager	0.50	-	(0.50)
Wastewater Mechanic	-	1.00	1.00
Wastewater Plant Operator II	4.00	4.00	-
Wastewater Plant Operator III	3.00	3.00	-
Wastewater Plant Supervisor II	1.00	1.00	-
<b>Total Full-Time Positions</b>	<b>10.50</b>	<b>11.00</b>	<b>0.50</b>

### Expense Detail

Small WWTPs	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520100 - Office Supplies	\$ 4,423	\$ 4,500	\$ 4,500	\$ 4,500	\$ -	0.00%
520110 - Computer Supplies	9,905	13,190	13,190	13,765	575	4.36%
520200 - Xerox Supplies	2,209	2,400	90	450	(1,950)	-81.25%
520600 - Fuel, Oil and Lube	28,431	31,495	31,495	32,360	865	2.75%
520630 - Toll Fees	392	250	450	250	-	0.00%
520800 - Small Tools & Equip	13,657	19,000	18,700	19,000	-	0.00%
520810 - Fire Extinguishers	254	500	500	500	-	0.00%
520900 - Janitorial Supplies	511	1,000	1,000	1,120	120	12.00%
521000 - Laboratory Supplies	10,622	10,000	10,000	10,000	-	0.00%
521110 - Safety Supplies	38,278	37,415	33,925	37,115	(300)	-0.80%
521400 - Electrical Supplies	686	-	-	-	-	0.00%
521500 - Mechanical Supplies	546	-	-	-	-	0.00%
521900 - Vehicle Supplies	9,114	8,900	8,900	8,900	-	0.00%
521910 - Tires and Tubes	4,490	9,200	9,200	9,200	-	0.00%
522000 - Equipment Supplies	-	1,000	1,000	1,000	-	0.00%
523000 - Other Supplies	3,177	3,000	3,100	3,000	-	0.00%
<b>Supplies Total</b>	<b>\$ 126,694</b>	<b>\$ 141,850</b>	<b>\$ 136,050</b>	<b>\$ 141,160</b>	<b>\$ (690)</b>	<b>-0.49%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ (293)	\$ -	\$ -	\$ -	\$ -	0.00%
531020 - Internet Service	5,384	6,000	6,000	6,000	-	0.00%
531800 - Rent or Lease Payment	-	-	2,530	2,050	2,050	0.00%
531900 - Travel and Training	710	3,050	3,050	16,950	13,900	455.74%
532000 - Mem & Subscriptions	905	105	805	105	-	0.00%
532100 - Vehicle Maint	7,338	7,000	7,000	7,000	-	0.00%
532110 - Veh Maint by Solid Waste	5,667	3,000	4,000	3,000	-	0.00%
533030 - Contractual Safety Serv	-	6,300	4,980	6,300	-	0.00%
533100 - Administration	55	-	-	-	-	0.00%
534000 - Uninsured losses	3,149	-	3,290	-	-	0.00%
Shared Services	48,949	74,200	74,400	98,920	24,720	33.32%
<b>Services Total</b>	<b>\$ 71,863</b>	<b>\$ 99,655</b>	<b>\$ 106,055</b>	<b>\$ 140,325</b>	<b>\$ 40,670</b>	<b>40.81%</b>



### Expense Detail (continued)

Small WWTPs	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ -	\$ 60,000	\$ 59,400	\$ 61,000	\$ 1,000	1.67%
540500 - Machinery	48,664	-	-	-	-	0.00%
<b>Capital Outlay Total</b>	<b>\$ 48,664</b>	<b>\$ 60,000</b>	<b>\$ 59,400</b>	<b>\$ 61,000</b>	<b>\$ 1,000</b>	<b>1.67%</b>
<b>Grand Total</b>	<b>\$ 247,222</b>	<b>\$ 301,505</b>	<b>\$ 301,505</b>	<b>\$ 342,485</b>	<b>\$ 40,980</b>	<b>13.59%</b>

### Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$40,980 from the FY21 Original Budget. Major variances are explained below:

- Travel and Training increased for several classes including overhead crane operator and overhead rigger/signaler.
- Shared Services allocation increased in FY22.
- Vehicle Equipment increased to replace a service truck and a new truck for the new wastewater mechanic position.

### Allocation of Expenses

The following shows the allocation of expenses across Small Wastewater Treatment Plants:

Small Wastewater Treatment Plants	Allocated Amount
Wylie WWTP	\$ -
South Rockwall (Buffalo Creek) WWTP	69,530
North Rockwall (Squabble Creek) WWTP	47,950
Sabine Creek WWTP	86,305
Seis Lagos WWTP	31,165
Royse City WWTP	680
Farmersville WWTP	49,660
Lavon WWTP	57,195
<b>Total</b>	<b>\$ 342,485</b>

## Sewer System Interceptor Facilities

### Overview

The District owns and operates nine interceptors in the Sewer System. The Sewer System Interceptors provide wastewater conveyance for the Cities of Fate, Forney, Heath, McKinney, Mesquite, Murphy, Rockwall, Royse City, Seagoville and Wylie. The staff of the UEFIS provide operation and maintenance of the interceptors. Staff expenses are allocated to the various interceptor budgets in proportion to the inventory of assets that reside within each interceptor system. The individual interceptor budgets are funded solely by the cities that they serve. When the same interceptor serves multiple cities the costs are based on the percentage of flow contributed by each city. A brief description of each interceptor system is provided below.

Sewer System Interceptors	FY 2020 Flow Conveyed (Million Gallons)	Communities Served
Forney Interceptor	576	Forney
Lower East Fork Interceptor	640	Mesquite, Seagoville
Muddy Creek Interceptor	2,862	Wylie, Murphy
Parker Creek Interceptor	207	Royse City, Fate
Sabine Creek Interceptor	339	Royse City
Buffalo Creek Interceptor	2,410	Rockwall, Heath, Forney
McKinney Interceptor	1,447	McKinney
Mustang Creek Interceptor	308	Forney
Parker Creek Parallel Interceptor	123	Fate

### FY2022 Department Objectives (Supporting Strategic Goals)

#### Service: Provide superior water, wastewater and solid waste services today and tomorrow

- Implement best management practices related to Capacity, Management, Operation and Maintenance (CMOM).
- Expand pipelines and lift stations as needed to convey wastewater received from the cities.

#### Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency

- Implement appropriate preventive maintenance activities to improve equipment efficiency and extend useful life.
- Inspect 10% of the gravity pipelines and manholes on an annual basis in accordance with the District CMOM Plan and Sanitary Sewer Overflow Initiative Agreement with the TCEQ. Utilize data to make informed decisions regarding system rehabilitation and associated investments.

#### Partnership: Actively collaborate with members, customers, partners, employees and stakeholders

- Continue to collaborate with Member Cities and Customers to evaluate and plan for the capacity needs of the Interceptors.
- Prepare and execute training activities which benefit Member Cities and Customers.

#### People: Build a talented, competent and committed team

- Utilize effective communication and coaching techniques to realize professional development of the team.

### Major Budget Drivers

- Odor Control Chemicals
- Electric Power
- Pipeline Maintenance
- Debt Service for Capital Improvements

## Forney Interceptor

### Revenues and Expenses

Forney Interceptor	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>						
<b>Wastewater Sales</b>						
420000-Interceptor - Members	\$ 397,247	\$ 516,330	\$ 518,580	\$ 559,315	\$ 42,985	8.33%
<b>Total Wastewater Sales</b>	<b>\$ 397,247</b>	<b>\$ 516,330</b>	<b>\$ 518,580</b>	<b>\$ 559,315</b>	<b>\$ 42,985</b>	<b>8.33%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 2	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	1,268	-	-	-	-	0.00%
440999-Miscellaneous Revenue	10,058	-	-	-	-	0.00%
459100-Tfr from Escrow Fund	-	-	48,000	123,000	123,000	0.00%
<b>Total Other</b>	<b>\$ 11,328</b>	<b>\$ -</b>	<b>\$ 48,000</b>	<b>\$ 123,000</b>	<b>\$ 123,000</b>	<b>0.00%</b>
441000-Interest Income	\$ 1,007	\$ 1,490	\$ 145	\$ 145	\$ (1,345)	-90.27%
<b>Revenues Total</b>	<b>\$ 409,582</b>	<b>\$ 517,820</b>	<b>\$ 566,725</b>	<b>\$ 682,460</b>	<b>\$ 164,640</b>	<b>31.79%</b>
<b>Expenses Total</b>	<b>\$ (409,582)</b>	<b>\$ (517,820)</b>	<b>\$ (566,725)</b>	<b>\$ (682,460)</b>	<b>\$ (164,640)</b>	<b>31.79%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

### Expense Detail

Forney Interceptor	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ -	\$ -	\$ -	\$ 4,025	\$ 4,025	0.00%
512000 - Social Security	-	-	-	300	300	0.00%
513020 - Hospitalization Ins	-	-	-	580	580	0.00%
513040 - Dental Ins	-	-	-	30	30	0.00%
515000 - Cell Phone Stipend	-	-	-	10	10	0.00%
<b>Personnel Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4,945</b>	<b>4,945</b>	<b>0.00%</b>
<b>Supplies</b>						
520610 - Generator Fuel	\$ 179	\$ 1,050	\$ 1,050	\$ 1,050	\$ -	0.00%
520700 - Machine Oil & Lube	-	100	100	100	-	0.00%
520800 - Small Tools & Equip	105	5,500	5,500	5,500	-	0.00%
520810 - Fire Extinguishers	-	110	110	110	-	0.00%
521110 - Safety Supplies	230	325	325	325	-	0.00%
521200 - Chem - Other	18,900	10,000	10,000	20,625	10,625	106.25%
521215 - Chem - Bioxide	93,751	95,980	95,980	101,440	5,460	5.69%
521400 - Electrical Supplies	297	5,000	5,000	5,000	-	0.00%
521500 - Mechanical Supplies	36	20,000	17,970	20,000	-	0.00%
521600 - Pipeline Supplies	-	6,000	6,000	6,000	-	0.00%
521700 - Building Supplies	20	100	100	100	-	0.00%
522000 - Equipment Supplies	-	750	780	750	-	0.00%
522200 - Road Maint Supplies	-	1,200	1,200	1,200	-	0.00%
523000 - Other Supplies	-	150	150	150	-	0.00%
<b>Supplies Total</b>	<b>\$ 113,518</b>	<b>\$ 146,265</b>	<b>\$ 144,265</b>	<b>\$ 162,350</b>	<b>\$ 16,085</b>	<b>11.00%</b>

## Expense Detail (continued)

Forney Interceptor	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
531020 - Internet Service	\$ 1,040	\$ 2,590	\$ 2,590	\$ 3,010	\$ 420	16.22%
531100 - Electric Power	42,366	50,000	98,905	43,000	(7,000)	-14.00%
531310 - Special Studies & Rpts	24,993	25,000	25,000	65,000	40,000	160.00%
531800 - Rent or Lease Payment	-	100	2,100	100	-	0.00%
532200 - Equipment Maintenance	1,325	12,000	12,000	12,000	-	0.00%
532220 - Pipeline Maintenance	-	28,750	28,750	116,750	88,000	306.09%
532230 - Facilities Maintenance	-	10,000	10,000	10,750	750	7.50%
532800 - Grounds Maintenance	-	9,740	9,740	12,840	3,100	31.83%
532810 - Grounds Maint - Contract	1,459	-	-	-	-	0.00%
532900 - Electrical Sys Maint	2,764	11,470	11,470	6,000	(5,470)	-47.69%
533000 - Other Services	250	500	500	500	-	0.00%
533030 - Contractual Safety Serv	-	2,200	2,200	2,200	-	0.00%
533100 - Administration	-	930	930	930	-	0.00%
533380 - Odor Control Crew	2,764	5,500	5,500	5,500	-	0.00%
533630 - Landfill Service Fees	-	1,750	1,640	1,760	10	0.57%
533680 - Conveyance System Exp	66,900	71,100	71,100	79,700	8,600	12.10%
534000 - Uninsured losses	-	-	110	-	-	0.00%
Shared Services	40,453	49,925	49,925	55,125	5,200	10.42%
<b>Services Total</b>	<b>\$ 184,314</b>	<b>\$ 281,555</b>	<b>\$ 332,460</b>	<b>\$ 415,165</b>	<b>\$ 133,610</b>	<b>47.45%</b>
<b>Escrow</b>						
550700 - Prev Maint Escrow	\$ 111,750	\$ 90,000	\$ 90,000	\$ 100,000	\$ 10,000	11.11%
<b>Escrow Total</b>	<b>\$ 111,750</b>	<b>\$ 90,000</b>	<b>\$ 90,000</b>	<b>\$ 100,000</b>	<b>\$ 10,000</b>	<b>11.11%</b>
<b>Grand Total</b>	<b>\$ 409,582</b>	<b>\$ 517,820</b>	<b>\$ 566,725</b>	<b>\$ 682,460</b>	<b>\$ 164,640</b>	<b>31.79%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$164,640 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to the implementation of the WW Administration allocation.
- Chemicals increased due to higher chemical costs and based on historical expenses associated with carbon for odor control.
- Pipeline Maintenance and Specials Studies and Reports increased to perform the scheduled pipeline inspection and cleaning per the CMOM plan. This is funded by a transfer from the Preventative Maintenance Escrow
- An increase in the amount transferred to Preventative Maintenance Escrow to fund future pipeline inspections and repairs.

## Lower East Fork Interceptor Revenues and Expenses

Lower East Fork Interceptor	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>						
<b>Wastewater Sales</b>						
420000-Interceptor - Members	\$ 1,774,624	\$ 1,855,235	\$ 1,848,490	\$ 1,928,055	\$ 72,820	3.93%
<b>Total Wastewater Sales</b>	<b>\$ 1,774,624</b>	<b>\$ 1,855,235</b>	<b>\$ 1,848,490</b>	<b>\$ 1,928,055</b>	<b>\$ 72,820</b>	<b>3.93%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 4	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	608	-	-	-	-	0.00%
459100-Tfr from Escrow Fund	-	-	171,000	-	-	0.00%
<b>Total Other</b>	<b>\$ 612</b>	<b>\$ -</b>	<b>\$ 171,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 2,094	\$ 3,075	\$ 355	\$ 355	\$ (2,720)	-88.46%
<b>Revenues Total</b>	<b>\$ 1,777,330</b>	<b>\$ 1,858,310</b>	<b>\$ 2,019,845</b>	<b>\$ 1,928,410</b>	<b>\$ 70,100</b>	<b>3.77%</b>
<b>Expenses Total</b>	<b>\$ (1,777,330)</b>	<b>\$ (1,858,310)</b>	<b>\$ (2,019,845)</b>	<b>\$ (1,928,410)</b>	<b>\$ (70,100)</b>	<b>3.77%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

## Expense Detail

Lower East Fork Interceptor	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ -	\$ -	\$ -	\$ 4,510	\$ 4,510	0.00%
512000 - Social Security	-	-	-	350	350	0.00%
513020 - Hospitalization Ins	-	-	-	645	645	0.00%
513040 - Dental Ins	-	-	-	40	40	0.00%
513060 - Life Ins	-	-	-	5	5	0.00%
515000 - Cell Phone Stipend	-	-	-	10	10	0.00%
<b>Personnel Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,560</b>	<b>\$ 5,560</b>	<b>0.00%</b>
<b>Supplies</b>						
520610 - Generator Fuel	\$ 1,257	\$ 3,375	\$ 3,375	\$ 3,375	\$ -	0.00%
520700 - Machine Oil & Lube	-	1,015	1,015	1,015	-	0.00%
520800 - Small Tools & Equip	-	5,500	5,500	5,500	-	0.00%
520810 - Fire Extinguishers	-	110	110	110	-	0.00%
521110 - Safety Supplies	-	325	325	325	-	0.00%
521200 - Chem - Other	17	1,700	1,700	1,700	-	0.00%
521215 - Chem - Bioxide	34,561	64,000	64,000	67,000	3,000	4.69%
521400 - Electrical Supplies	3,266	6,000	6,000	6,000	-	0.00%
521500 - Mechanical Supplies	302	22,000	17,000	22,000	-	0.00%
521600 - Pipeline Supplies	-	5,250	5,250	5,250	-	0.00%
521700 - Building Supplies	34	100	100	100	-	0.00%
522000 - Equipment Supplies	-	5,350	5,350	5,350	-	0.00%
522200 - Road Maint Supplies	-	1,000	1,000	1,000	-	0.00%
<b>Supplies Total</b>	<b>\$ 39,438</b>	<b>\$ 115,725</b>	<b>\$ 110,725</b>	<b>\$ 118,725</b>	<b>\$ 3,000</b>	<b>2.59%</b>

## Expense Detail (continued)

Lower East Fork Interceptor	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
530400 - Fire & Exten Cov Ins	\$ 2,659	\$ 3,160	\$ 3,160	\$ 3,960	\$ 800	25.32%
531020 - Internet Service	90	90	90	510	420	466.67%
531100 - Electric Power	37,767	45,000	75,535	45,000	-	0.00%
531120 - Retail Water Service	497	1,200	1,200	1,200	-	0.00%
531200 - Bank Service Fees	4	5	5	5	-	0.00%
531310 - Special Studies & Rpts	38,403	45,000	18,500	45,000	-	0.00%
531800 - Rent or Lease Payment	10,408	8,000	4,500	8,000	-	0.00%
532200 - Equipment Maintenance	2,825	12,000	12,000	12,000	-	0.00%
532220 - Pipeline Maintenance	-	39,265	9,265	39,265	-	0.00%
532230 - Facilities Maintenance	-	60,000	285,000	60,750	750	1.25%
532800 - Grounds Maintenance	827	21,200	3,200	22,200	1,000	4.72%
532900 - Electrical Sys Maint	1,749	11,470	470	6,000	(5,470)	-47.69%
533000 - Other Services	1,980	2,100	1,500	2,100	-	0.00%
533030 - Contractual Safety Serv	-	2,200	2,200	2,200	-	0.00%
533100 - Administration	905	1,180	1,180	1,100	(80)	-6.78%
533380 - Odor Control Crew	3,426	3,000	3,000	5,000	2,000	66.67%
533630 - Landfill Service Fees	-	640	640	645	5	0.78%
533640 - Hauling Fees	-	-	600	-	-	0.00%
533680 - Conveyance System Exp	70,000	74,400	74,400	83,300	8,900	11.96%
Shared Services	96,578	101,345	101,345	95,700	(5,645)	-5.57%
<b>Services Total</b>	<b>\$ 268,116</b>	<b>\$ 431,255</b>	<b>\$ 597,790</b>	<b>\$ 433,935</b>	<b>\$ 2,680</b>	<b>0.62%</b>
<b>Escrow</b>						
550700 - Prev Maint Escrow	\$ 206,265	\$ 45,000	\$ 45,000	\$ 65,000	\$ 20,000	44.44%
<b>Escrow Total</b>	<b>\$ 206,265</b>	<b>\$ 45,000</b>	<b>\$ 45,000</b>	<b>\$ 65,000</b>	<b>\$ 20,000</b>	<b>44.44%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 1,259,000	\$ 1,261,100	\$ 1,261,100	\$ 1,300,500	\$ 39,400	3.12%
579000 - Bond Service Fees	4,510	5,230	5,230	4,690	(540)	-10.33%
<b>Debt Service Total</b>	<b>\$ 1,263,510</b>	<b>\$ 1,266,330</b>	<b>\$ 1,266,330</b>	<b>\$ 1,305,190</b>	<b>\$ 38,860</b>	<b>3.07%</b>
<b>Grand Total</b>	<b>\$ 1,777,330</b>	<b>\$ 1,858,310</b>	<b>\$ 2,019,845</b>	<b>\$ 1,928,410</b>	<b>\$ 70,100</b>	<b>3.77%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$70,100 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to the implementation of the WW Administration allocation.
- An increase in the proportion of shared conveyance expenses.
- An increase in the amount transferred to Preventative Maintenance Escrow to fund future pipeline inspections and repairs.
- Debt Service increased as a result of no offsetting transfer from the Debt Service Reserve.

## Muddy Creek Interceptor

### Revenues and Expenses

Muddy Creek Interceptor	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>						
<b>Wastewater Sales</b>						
420000-Interceptor - Members	\$ 433,458	\$ 476,925	\$ 477,560	\$ 428,505	\$ (48,420)	-10.15%
<b>Total Wastewater Sales</b>	<b>\$ 433,458</b>	<b>\$ 476,925</b>	<b>\$ 477,560</b>	<b>\$ 428,505</b>	<b>\$ (48,420)</b>	<b>-10.15%</b>
<b>Other</b>						
440140-Master Card Rebates	\$ 894	\$ -	\$ -	\$ -	\$ -	0.00%
459100-Tfr from Escrow Fund	-	385,000	385,000	-	(385,000)	-100.00%
<b>Total Other</b>	<b>\$ 894</b>	<b>\$ 385,000</b>	<b>\$ 385,000</b>	<b>\$ -</b>	<b>\$ (385,000)</b>	<b>-100.00%</b>
441000-Interest Income	\$ 480	\$ 705	\$ 70	\$ 70	\$ (635)	-90.07%
<b>Revenues Total</b>	<b>\$ 434,832</b>	<b>\$ 862,630</b>	<b>\$ 862,630</b>	<b>\$ 428,575</b>	<b>\$ (434,055)</b>	<b>-50.32%</b>
<b>Expenses Total</b>	<b>\$ (434,832)</b>	<b>\$ (862,630)</b>	<b>\$ (862,630)</b>	<b>\$ (428,575)</b>	<b>\$ 434,055</b>	<b>-50.32%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

## Expense Detail

Muddy Creek Interceptor	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance%
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ -	\$ -	\$ -	\$ 780	\$ 780	0.00%
512000 - Social Security	-	-	-	60	60	0.00%
513020 - Hospitalization Ins	-	-	-	115	115	0.00%
<b>Personnel Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 955</b>	<b>\$ 955</b>	<b>0.00%</b>
<b>Supplies</b>						
520800 - Small Tools & Equip	\$ -	\$ 5,500	\$ 5,500	\$ 5,500	\$ -	0.00%
521200 - Chem - Other	-	3,570	3,570	3,570	-	0.00%
521215 - Chem - Bioxide	45,540	47,690	47,690	50,920	3,230	6.77%
521400 - Electrical Supplies	-	500	500	500	-	0.00%
521500 - Mechanical Supplies	-	250	250	250	-	0.00%
521600 - Pipeline Supplies	-	250	250	250	-	0.00%
<b>Supplies Total</b>	<b>\$ 45,540</b>	<b>\$ 57,760</b>	<b>\$ 57,760</b>	<b>\$ 60,990</b>	<b>\$ 3,230</b>	<b>5.59%</b>
<b>Services</b>						
531020 - Internet Service	\$ 90	\$ 90	\$ 90	\$ 510	\$ 420	466.67%
531100 - Electric Power	250	265	265	250	(15)	-5.66%
531200 - Bank Service Fees	1	5	5	5	-	0.00%
531310 - Special Studies & Rpts	-	40,000	40,000	-	(40,000)	-100.00%
531800 - Rent or Lease Payment	-	100	100	100	-	0.00%
532220 - Pipeline Maintenance	-	367,500	261,835	22,500	(345,000)	-93.88%
532800 - Grounds Maintenance	-	5,000	5,000	5,000	-	0.00%
533100 - Administration	1,205	395	395	670	275	69.62%
533380 - Odor Control Crew	-	750	750	750	-	0.00%
533680 - Conveyance System Exp	5,000	9,300	9,300	10,400	1,100	11.83%
Shared Services	14,241	15,605	21,270	15,055	(550)	-3.52%
<b>Services Total</b>	<b>\$ 20,786</b>	<b>\$ 439,010</b>	<b>\$ 339,010</b>	<b>\$ 55,240</b>	<b>\$ (383,770)</b>	<b>-87.42%</b>



## Expense Detail (continued)

Muddy Creek Interceptor	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Escrow</b>						
550700 - Prev Maint Escrow	\$ 128,000	\$ 115,000	\$ 215,000	\$ 50,000	\$ (65,000)	-56.52%
<b>Escrow Total</b>	<b>\$ 128,000</b>	<b>\$ 115,000</b>	<b>\$ 215,000</b>	<b>\$ 50,000</b>	<b>\$ (65,000)</b>	<b>-56.52%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 235,750	\$ 246,600	\$ 246,600	\$ 256,700	\$ 10,100	4.10%
579000 - Bond Service Fees	4,755	4,260	4,260	4,690	430	10.09%
<b>Debt Service Total</b>	<b>\$ 240,505</b>	<b>\$ 250,860</b>	<b>\$ 250,860</b>	<b>\$ 261,390</b>	<b>\$ 10,530</b>	<b>4.20%</b>
<b>Grand Total</b>	<b>\$ 434,832</b>	<b>\$ 862,630</b>	<b>\$ 862,630</b>	<b>\$ 428,575</b>	<b>\$ (434,055)</b>	<b>-50.32%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has decreased by \$434,055 from the FY21 Original Budget. Major variances are explained below:

- Pipeline Maintenance and Specials Studies & Reports decreased because an inspection is not needed this year.
- Transfers to the Preventative Maintenance decreased based on forecasted need for pipeline inspections and repairs.

## Parker Creek Interceptor Revenues and Expenses

Parker Creek Interceptor	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>						
<b>Wastewater Sales</b>						
420000-Interceptor - Members	\$ 473,929	\$ 469,565	\$ 470,255	\$ 426,210	\$ (43,355)	-9.23%
<b>Total Wastewater Sales</b>	<b>\$ 473,929</b>	<b>\$ 469,565</b>	<b>\$ 470,255</b>	<b>\$ 426,210</b>	<b>\$ (43,355)</b>	<b>-9.23%</b>
<b>Other</b>						
440140-Master Card Rebates	\$ 35	\$ -	\$ -	\$ -	\$ -	0.00%
459100-Tfr from Escrow Fund	-	490,000	490,000	-	(490,000)	-100.00%
<b>Total Other</b>	<b>\$ 35</b>	<b>\$ 490,000</b>	<b>\$ 490,000</b>	<b>\$ -</b>	<b>\$ (490,000)</b>	<b>-100.00%</b>
441000-Interest Income	\$ 504	\$ 770	\$ 80	\$ 80	\$ (690)	-89.61%
<b>Revenues Total</b>	<b>\$ 474,468</b>	<b>\$ 960,335</b>	<b>\$ 960,335</b>	<b>\$ 426,290</b>	<b>\$ (534,045)</b>	<b>-55.61%</b>
<b>Expenses Total</b>	<b>\$ (474,468)</b>	<b>\$ (960,335)</b>	<b>\$ (960,335)</b>	<b>\$ (426,290)</b>	<b>\$ 534,045</b>	<b>-55.61%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

## Expense Detail

Parker Creek Interceptor	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance%
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ -	\$ -	\$ -	\$ 4,300	\$ 4,300	0.00%
512000 - Social Security	-	-	-	325	325	0.00%
513020 - Hospitalization Ins	-	-	-	475	475	0.00%
513040 - Dental Ins	-	-	-	20	20	0.00%
515000 - Cell Phone Stipend	-	-	-	10	10	0.00%
<b>Personnel Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,130</b>	<b>\$ 5,130</b>	<b>0.00%</b>
<b>Supplies</b>						
520800 - Small Tools & Equip	\$ -	\$ 5,500	\$ 5,500	\$ 5,500	\$ -	0.00%
521400 - Electrical Supplies	2,036	2,500	2,000	2,500	-	0.00%
521500 - Mechanical Supplies	-	250	250	250	-	0.00%
521600 - Pipeline Supplies	1,188	100	100	1,000	900	900.00%
522000 - Equipment Supplies	-	1,025	1,025	2,000	975	95.12%
522200 - Road Maint Supplies	-	1,800	1,800	1,800	-	0.00%
<b>Supplies Total</b>	<b>\$ 3,224</b>	<b>\$ 11,175</b>	<b>\$ 10,675</b>	<b>\$ 13,050</b>	<b>\$ 1,875</b>	<b>16.78%</b>
<b>Services</b>						
530900 - General Liability Ins	\$ (43)	\$ 250	\$ 250	\$ -	\$ (250)	-100.00%
531020 - Internet Service	270	270	270	450	180	66.67%
531100 - Electric Power	11,859	270	510	450	180	66.67%
531200 - Bank Service Fees	1	5	5	5	-	0.00%
531310 - Special Studies & Rpts	-	40,000	40,000	-	(40,000)	-100.00%
531800 - Rent or Lease Payment	442	100	3,010	100	-	0.00%
532200 - Equipment Maintenance	-	100	100	100	-	0.00%
532220 - Pipeline Maintenance	-	474,250	367,345	24,250	(450,000)	-94.89%
532800 - Grounds Maintenance	-	5,000	5,000	5,000	-	0.00%
533100 - Administration	335	385	385	775	390	101.30%

## Expense Detail (continued)

Parker Creek Interceptor					Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services (continued)</b>						
533380 - Odor Control Crew	\$ -	\$ 750	\$ 750	\$ 750	-	0.00%
533680 - Conveyance System Exp	17,900	22,600	22,600	25,200	2,600	11.50%
Shared Services	46,149	18,770	23,025	20,740	1,970	10.50%
<b>Services Total</b>	<b>\$ 76,914</b>	<b>\$ 562,750</b>	<b>\$ 463,250</b>	<b>\$ 77,820</b>	<b>\$ (484,930)</b>	<b>-86.17%</b>
<b>Escrow</b>						
550700 - Prev Maint Escrow	\$ 183,920	\$ 170,000	\$ 270,000	\$ 104,000	\$ (66,000)	-38.82%
<b>Escrow Total</b>	<b>\$ 183,920</b>	<b>\$ 170,000</b>	<b>\$ 270,000</b>	<b>\$ 104,000</b>	<b>\$ (66,000)</b>	<b>-38.82%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 205,600	\$ 211,900	\$ 211,900	\$ 221,600	\$ 9,700	4.58%
579000 - Bond Service Fees	4,810	4,510	4,510	4,690	180	3.99%
<b>Debt Service Total</b>	<b>\$ 210,410</b>	<b>\$ 216,410</b>	<b>\$ 216,410</b>	<b>\$ 226,290</b>	<b>\$ 9,880</b>	<b>4.57%</b>
<b>Grand Total</b>	<b>\$ 474,468</b>	<b>\$ 960,335</b>	<b>\$ 960,335</b>	<b>\$ 426,290</b>	<b>\$ (534,045)</b>	<b>-55.61%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has decreased by \$534,045 from the FY21 Original Budget. Major variances are explained below:

- Pipeline Maintenance and Specials Studies & Reports decreased because an inspection is not needed this year.
- Transfers to the Preventative Maintenance decreased based on forecasted need for pipeline inspections and repairs.

## Sabine Creek Interceptor Revenues and Expenses

Sabine Creek Interceptor	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>						
<b>Wastewater Sales</b>						
420000-Interceptor - Members	\$ 277,937	\$ 301,465	\$ 301,800	\$ 313,940	\$ 12,475	4.14%
<b>Total Wastewater Sales</b>	<b>\$ 277,937</b>	<b>\$ 301,465</b>	<b>\$ 301,800</b>	<b>\$ 313,940</b>	<b>\$ 12,475</b>	<b>4.14%</b>
441000-Interest Income	\$ 260	\$ 380	\$ 45	\$ 45	\$ (335)	-88.16%
<b>Revenues Total</b>	<b>\$ 278,197</b>	<b>\$ 301,845</b>	<b>\$ 301,845</b>	<b>\$ 313,985</b>	<b>\$ 12,140</b>	<b>4.02%</b>
<b>Expenses Total</b>	<b>\$ (278,197)</b>	<b>\$ (301,845)</b>	<b>\$ (301,845)</b>	<b>\$ (313,985)</b>	<b>\$ (12,140)</b>	<b>4.02%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

## Expense Detail

Sabine Creek Interceptor	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ -	\$ -	\$ -	\$ 315	\$ 315	0.00%
512000 - Social Security	-	-	-	20	20	0.00%
513020 - Hospitalization Ins	-	-	-	40	40	0.00%
<b>Personnel Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 375</b>	<b>\$ 375</b>	<b>0.00%</b>
<b>Supplies</b>						
520800 - Small Tools & Equip	\$ -	\$ 2,500	\$ 2,500	\$ 2,500	\$ -	0.00%
521500 - Mechanical Supplies	-	50	50	50	-	0.00%
521600 - Pipeline Supplies	-	400	400	400	-	0.00%
<b>Supplies Total</b>	<b>\$ -</b>	<b>\$ 2,950</b>	<b>\$ 2,950</b>	<b>\$ 2,950</b>	<b>\$ -</b>	<b>0.00%</b>
<b>Services</b>						
531200 - Bank Service Fees	\$ 1	\$ 5	\$ 5	\$ 5	\$ -	0.00%
531310 - Special Studies & Rpts	1,090	-	-	-	-	0.00%
531800 - Rent or Lease Payment	-	100	100	100	-	0.00%
532220 - Pipeline Maintenance	-	22,500	22,500	22,500	-	0.00%
532800 - Grounds Maintenance	-	5,000	5,000	5,000	-	0.00%
533100 - Administration	265	195	195	250	55	28.21%
533380 - Odor Control Crew	-	750	750	750	-	0.00%
533680 - Conveyance System Exp	4,000	4,200	4,200	4,500	300	7.14%
Shared Services	5,632	5,035	5,035	6,865	1,830	36.35%
<b>Services Total</b>	<b>\$ 10,987</b>	<b>\$ 37,785</b>	<b>\$ 37,785</b>	<b>\$ 39,970</b>	<b>\$ 2,185</b>	<b>5.78%</b>
<b>Escrow</b>						
550700 - Prev Maint Escrow	\$ 97,500	\$ 85,000	\$ 85,000	\$ 88,000	\$ 3,000	3.53%
<b>Escrow Total</b>	<b>\$ 97,500</b>	<b>\$ 85,000</b>	<b>\$ 85,000</b>	<b>\$ 88,000</b>	<b>\$ 3,000</b>	<b>3.53%</b>

## Expense Detail (continued)

Sabine Creek Interceptor	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 164,900	\$ 171,600	\$ 171,600	\$ 178,000	\$ 6,400	3.73%
579000 - Bond Service Fees	4,810	4,510	4,510	4,690	180	3.99%
<b>Debt Service Total</b>	<b>\$ 169,710</b>	<b>\$ 176,110</b>	<b>\$ 176,110</b>	<b>\$ 182,690</b>	<b>\$ 6,580</b>	<b>3.74%</b>
<b>Grand Total</b>	<b>\$ 278,197</b>	<b>\$ 301,845</b>	<b>\$ 301,845</b>	<b>\$ 313,985</b>	<b>\$ 12,140</b>	<b>4.02%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$12,140 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to the implementation of the WW Administration allocation.
- Shared Services allocation decreased in FY22.
- An increase in the amount transferred to Preventative Maintenance Escrow to fund future pipeline inspections and repairs.
- Debt Service increased due to no offsetting transfer from the Debt Service Reserve.

## Buffalo Creek Interceptor

### Revenues and Expenses

Buffalo Creek Interceptor	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>						
<b>Wastewater Sales</b>						
420000-Interceptor - Members	\$ 2,378,700	\$ 3,095,020	\$ 2,539,905	\$ 3,820,820	\$ 725,800	23.45%
<b>Total Wastewater Sales</b>	<b>\$ 2,378,700</b>	<b>\$ 3,095,020</b>	<b>\$ 2,539,905</b>	<b>\$ 3,820,820</b>	<b>\$ 725,800</b>	<b>23.45%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 2	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	12	-	-	-	-	0.00%
440999-Miscellaneous Revenue	1,154	-	-	-	-	0.00%
<b>Total Other</b>	<b>\$ 1,168</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 3,014	\$ 4,510	\$ 590	\$ 590	\$ (3,920)	-86.92%
<b>Revenues Total</b>	<b>\$ 2,382,881</b>	<b>\$ 3,099,530</b>	<b>\$ 2,540,495</b>	<b>\$ 3,821,410</b>	<b>\$ 721,880</b>	<b>23.29%</b>
<b>Expenses Total</b>	<b>\$ (2,382,881)</b>	<b>\$ (3,099,530)</b>	<b>\$ (2,540,495)</b>	<b>\$ (3,821,410)</b>	<b>\$ (721,880)</b>	<b>23.29%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

### Expense Detail

Buffalo Creek Interceptor	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
510000 - Wages	\$ -	\$ -	\$ -	\$ 9,775	\$ 9,775	0.00%
512000 - Social Security	-	-	-	745	745	0.00%
513000 - Workers' Comp Ins	-	-	-	5	5	0.00%
513020 - Hospitalization Ins	-	-	-	1,050	1,050	0.00%
513040 - Dental Ins	-	-	-	55	55	0.00%
513060 - Life Ins	-	-	-	20	20	0.00%
515000 - Cell Phone Stipend	-	-	-	25	25	0.00%
<b>Personnel Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 11,675</b>	<b>\$ 11,675</b>	<b>0.00%</b>

### Supplies

520100 - Office Supplies	\$ -	\$ -	\$ -	\$ 35	\$ 35	0.00%
520110 - Computer Supplies	-	-	-	125	125	0.00%
520200 - Xerox Supplies	-	-	-	35	35	0.00%
520600 - Fuel, Oil and Lube	-	-	-	25	25	0.00%
520610 - Generator Fuel	-	1,175	1,435	1,175	-	0.00%
520630 - Toll Fees	-	-	-	5	5	0.00%
520700 - Machine Oil & Lube	-	230	230	230	-	0.00%
520800 - Small Tools & Equip	-	8,000	7,740	8,000	-	0.00%
520810 - Fire Extinguishers	-	110	110	110	-	0.00%
521000 - Laboratory Supplies	-	-	-	250	250	0.00%
521110 - Safety Supplies	-	325	325	330	5	1.54%
521200 - Chem - Other	750	4,250	4,250	4,250	-	0.00%
521215 - Chem - Bioxide	39,777	75,300	75,300	80,400	5,100	6.77%
521400 - Electrical Supplies	6,841	10,500	10,500	10,500	-	0.00%
521500 - Mechanical Supplies	-	20,000	18,535	20,000	-	0.00%
521600 - Pipeline Supplies	23,720	10,000	10,000	10,000	-	0.00%
521700 - Building Supplies	-	100	100	100	-	0.00%

## Expense Detail (continued)

Buffalo Creek Interceptor					Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies (continued)</b>						
521900 - Vehicle Supplies	\$ -	\$ -	\$ -	\$ 5	\$ 5	0.00%
521910 - Tires and Tubes	-	-	-	10	10	0.00%
522000 - Equipment Supplies	-	2,025	2,025	2,025	-	0.00%
522200 - Road Maint Supplies	936	600	600	600	-	0.00%
<b>Supplies Total</b>	<b>\$ 72,024</b>	<b>\$ 132,615</b>	<b>\$ 131,150</b>	<b>\$ 138,210</b>	<b>\$ 5,595</b>	<b>4.22%</b>
<b>Services</b>						
530400 - Fire & Exten Cov Ins	\$ 3,648	\$ 4,335	\$ 4,335	\$ 5,435	\$ 1,100	25.37%
530900 - General Liability Ins	1,100	3,775	6,605	8,780	5,005	132.58%
531020 - Internet Service	562	815	815	840	25	3.07%
531100 - Electric Power	49,993	65,000	84,165	58,150	(6,850)	-10.54%
531120 - Retail Water Service	600	720	720	720	-	0.00%
531200 - Bank Service Fees	24	60	60	60	-	0.00%
531310 - Special Studies & Rpts	38,403	45,000	45,000	45,000	-	0.00%
531800 - Rent or Lease Payment	515	3,000	3,000	3,030	30	1.00%
531900 - Travel and Training	-	-	-	120	120	0.00%
532000 - Mem & Subscriptions	-	-	-	570	570	0.00%
532200 - Equipment Maintenance	1,725	10,000	10,000	10,000	-	0.00%
532220 - Pipeline Maintenance	7,665	118,750	113,750	118,750	-	0.00%
532230 - Facilities Maintenance	-	10,000	10,000	35,750	25,750	257.50%
532800 - Grounds Maintenance	2,909	26,320	26,320	27,420	1,100	4.18%
532900 - Electrical Sys Maint	2,077	11,470	11,470	6,000	(5,470)	-47.69%
533000 - Other Services	390	10,000	10,000	10,000	-	0.00%
533030 - Contractual Safety Serv	-	2,200	2,200	2,200	-	0.00%
533100 - Administration	120	1,400	1,400	1,450	50	3.57%
533380 - Odor Control Crew	2,402	3,000	3,000	3,000	-	0.00%
533630 - Landfill Service Fees	-	2,625	1,260	2,635	10	0.38%
533680 - Conveyance System Exp	93,800	99,400	99,400	111,200	11,800	11.87%
Shared Services	150,547	190,705	195,705	203,165	12,460	6.53%
<b>Services Total</b>	<b>\$ 356,478</b>	<b>\$ 608,575</b>	<b>\$ 629,205</b>	<b>\$ 654,275</b>	<b>\$ 45,700</b>	<b>7.51%</b>
<b>Escrow</b>						
550700 - Prev Maint Escrow	\$ 198,750	\$ 140,000	\$ 140,000	\$ 150,000	\$ 10,000	7.14%
<b>Escrow Total</b>	<b>\$ 198,750</b>	<b>\$ 140,000</b>	<b>\$ 140,000</b>	<b>\$ 150,000</b>	<b>\$ 10,000</b>	<b>7.14%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 1,750,000	\$ 2,207,900	\$ 1,629,700	\$ 2,855,600	\$ 647,700	29.34%
579000 - Bond Service Fees	5,630	10,440	10,440	11,650	1,210	11.59%
<b>Debt Service Total</b>	<b>\$ 1,755,630</b>	<b>\$ 2,218,340</b>	<b>\$ 1,640,140</b>	<b>\$ 2,867,250</b>	<b>\$ 648,910</b>	<b>29.25%</b>
<b>Grand Total</b>	<b>\$ 2,382,881</b>	<b>\$ 3,099,530</b>	<b>\$ 2,540,495</b>	<b>\$ 3,821,410</b>	<b>\$ 721,880</b>	<b>23.29%</b>



## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$721,880 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to the implementation of the WW Administration allocation.
- Facilities Maintenance increased to install security fencing.
- Shared Services allocation increased in FY22.
- Debt Service increased as a result of the FY21 bond issuance for the Buffalo Creek Parallel Interceptor Phase I.

## McKinney Interceptor

### Revenues and Expenses

McKinney Interceptor	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>						
<b>Wastewater Sales</b>						
420000-Interceptor - Members	\$ 179,131	\$ 52,175	\$ 52,630	\$ 56,755	\$ 4,580	8.78%
<b>Total Wastewater Sales</b>	<b>\$ 179,131</b>	<b>\$ 52,175</b>	<b>\$ 52,630</b>	<b>\$ 56,755</b>	<b>\$ 4,580</b>	<b>8.78%</b>
<b>Other</b>						
440140-Master Card Rebates	\$ 523	\$ -	\$ -	\$ -	\$ -	0.00%
440999-Miscellaneous Revenue	6,897	-	-	-	-	0.00%
459100-Tfr from Escrow Fund	100,000	-	-	-	-	0.00%
<b>Total Other</b>	<b>\$ 107,420</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 314	\$ 475	\$ 20	\$ 20	\$ (455)	-95.79%
<b>Revenues Total</b>	<b>\$ 286,865</b>	<b>\$ 52,650</b>	<b>\$ 52,650</b>	<b>\$ 56,775</b>	<b>\$ 4,125</b>	<b>7.83%</b>
<b>Expenses Total</b>	<b>\$ (286,865)</b>	<b>\$ (52,650)</b>	<b>\$ (52,650)</b>	<b>\$ (56,775)</b>	<b>\$ (4,125)</b>	<b>7.83%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

### Expense Detail

McKinney Interceptor	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ -	\$ -	\$ -	\$ 285	\$ 285	0.00%
512000 - Social Security	-	-	-	20	20	0.00%
513020 - Hospitalization Ins	-	-	-	35	35	0.00%
<b>Personnel Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 340</b>	<b>\$ 340</b>	<b>0.00%</b>
<b>Supplies</b>						
520800 - Small Tools & Equip	\$ -	\$ 2,500	\$ 2,500	\$ 2,500	\$ -	0.00%
521400 - Electrical Supplies	-	200	200	200	-	0.00%
521500 - Mechanical Supplies	-	150	150	150	-	0.00%
521600 - Pipeline Supplies	-	100	100	100	-	0.00%
<b>Supplies Total</b>	<b>\$ -</b>	<b>\$ 2,950</b>	<b>\$ 2,950</b>	<b>\$ 2,950</b>	<b>\$ -</b>	<b>0.00%</b>
<b>Services</b>						
531100 - Electric Power	\$ 332	\$ 350	\$ 350	\$ 350	\$ -	0.00%
531310 - Special Studies & Rpts	26,819	-	3,715	-	-	0.00%
531800 - Rent or Lease Payment	-	100	100	100	-	0.00%
532200 - Equipment Maintenance	-	300	300	300	-	0.00%
532220 - Pipeline Maintenance	126,818	22,500	18,785	22,500	-	0.00%
532800 - Grounds Maintenance	-	5,000	5,000	5,000	-	0.00%
533100 - Administration	1,265	410	410	405	(5)	-1.22%
533380 - Odor Control Crew	-	750	750	750	-	0.00%
Shared Services	5,631	5,290	5,290	21,080	15,790	298.49%
<b>Services Total</b>	<b>\$ 160,865</b>	<b>\$ 34,700</b>	<b>\$ 34,700</b>	<b>\$ 50,485</b>	<b>\$ 15,785</b>	<b>45.49%</b>

McKinney Interceptor	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Escrow</b>						
550700 - Prev Maint Escrow	\$ 126,000	\$ 15,000	\$ 15,000	\$ 3,000	\$ (12,000)	-80.00%
<b>Escrow Total</b>	<b>\$ 126,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 3,000</b>	<b>\$ (12,000)</b>	<b>-80.00%</b>
<b>Grand Total</b>	<b>\$ 286,865</b>	<b>\$ 52,650</b>	<b>\$ 52,650</b>	<b>\$ 56,775</b>	<b>\$ 4,125</b>	<b>7.83%</b>

### Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$4,125 from the FY21 Original Budget. Major variances are explained below:

- Shared Services allocation increased in FY22.
- Preventative Maintenance Escrow decreased due to a reduction of the transfer amount.

## Mustang Creek Interceptor

### Revenues and Expenses

Mustang Creek Interceptor	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>						
<b>Wastewater Sales</b>						
420000-Interceptor - Members	\$ 1,478,776	\$ 2,312,485	\$ 2,247,225	\$ 2,561,495	\$ 249,010	10.77%
<b>Total Wastewater Sales</b>	<b>\$ 1,478,776</b>	<b>\$ 2,312,485</b>	<b>\$ 2,247,225</b>	<b>\$ 2,561,495</b>	<b>\$ 249,010</b>	<b>10.77%</b>
<b>Other</b>						
459100-Transfer from Escrow Fund	-	-	-	369,200	369,200	0.00%
<b>Total Other</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 369,200</b>	<b>\$ 369,200</b>	<b>0.00%</b>
441000-Interest Income	\$ 1,153	\$ 1,695	\$ 355	\$ 355	\$ (1,340)	-79.06%
<b>Revenues Total</b>	<b>\$ 1,479,928</b>	<b>\$ 2,314,180</b>	<b>\$ 2,247,580</b>	<b>\$ 2,931,050</b>	<b>\$ 616,870</b>	<b>26.66%</b>
<b>Expenses Total</b>	<b>\$ (1,479,928)</b>	<b>\$ (2,314,180)</b>	<b>\$ (2,247,580)</b>	<b>\$ (2,931,050)</b>	<b>\$ (616,870)</b>	<b>26.66%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

### Expense Detail

Mustang Creek Interceptor	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ -	\$ -	\$ -	\$ 2,685	\$ 2,685	0.00%
512000 - Social Security	-	-	-	200	200	0.00%
513020 - Hospitalization Ins	-	-	-	265	265	0.00%
513040 - Dental Ins	-	-	-	10	10	0.00%
<b>Personnel Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,160</b>	<b>\$ 3,160</b>	<b>0.00%</b>
<b>Supplies</b>						
520610 - Generator Fuel	\$ -	\$ 1,200	\$ 1,200	\$ 1,200	\$ -	0.00%
520700 - Machine Oil & Lube	-	230	230	230	-	0.00%
520800 - Small Tools & Equip	-	5,500	5,500	5,500	-	0.00%
520810 - Fire Extinguishers	-	110	110	110	-	0.00%
521110 - Safety Supplies	-	325	325	325	-	0.00%
521200 - Chem - Other	-	10,000	10,000	10,000	-	0.00%
521400 - Electrical Supplies	201	5,000	5,000	5,000	-	0.00%
521500 - Mechanical Supplies	-	5,000	5,000	5,000	-	0.00%
521600 - Pipeline Supplies	1,550	550	550	550	-	0.00%
521700 - Building Supplies	-	100	100	100	-	0.00%
522000 - Equipment Supplies	-	2,000	2,000	2,000	-	0.00%
522200 - Road Maint Supplies	-	750	950	750	-	0.00%
<b>Supplies Total</b>	<b>\$ 1,751</b>	<b>\$ 30,765</b>	<b>\$ 30,965</b>	<b>\$ 30,765</b>	<b>\$ -</b>	<b>0.00%</b>
<b>Services</b>						
530900 - General Liability Ins	\$ 1,344	\$ 3,525	\$ 3,525	\$ 2,865	\$ (660)	-18.72%
531100 - Electric Power	-	50,000	50,000	50,000	-	0.00%
531120 - Retail Water Service	-	750	750	750	-	0.00%
531200 - Bank Service Fees	41	60	60	60	-	0.00%
531310 - Special Studies & Rpts	-	-	-	40,000	40,000	0.00%
531800 - Rent or Lease Payment	-	500	500	500	-	0.00%

## Expense Detail (continued)

Mustang Creek Interceptor	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services (continued)</b>						
532200 - Equipment Maintenance	\$ -	\$ 10,000	\$ 10,000	\$ 10,000	\$ -	0.00%
532220 - Pipeline Maintenance	1,918	22,500	22,500	351,700	329,200	1463.11%
532230 - Facilities Maintenance	-	10,000	10,000	10,400	400	4.00%
532800 - Grounds Maintenance	-	10,400	10,400	10,400	-	0.00%
532900 - Electrical Sys Maint	-	10,000	10,000	10,000	-	0.00%
533000 - Other Services	-	500	500	500	-	0.00%
533030 - Contractual Safety Serv	-	2,200	2,200	2,200	-	0.00%
533100 - Administration	165	235	235	410	175	74.47%
533380 - Odor Control Crew	863	5,000	5,000	5,000	-	0.00%
533630 - Landfill Service Fees	-	1,750	1,550	1,760	10	0.57%
533680 - Conveyance System Exp	7,900	66,400	66,400	76,300	9,900	14.91%
Shared Services	46,161	74,595	74,595	115,920	41,325	55.40%
<b>Services Total</b>	<b>\$ 58,392</b>	<b>\$ 268,415</b>	<b>\$ 268,215</b>	<b>\$ 688,765</b>	<b>\$ 420,350</b>	<b>156.60%</b>
<b>Escrow</b>						
550700 - Prev Maint Escrow	\$ 67,230	\$ 65,000	\$ 65,000	\$ 110,000	\$ 45,000	69.23%
<b>Escrow Total</b>	<b>\$ 67,230</b>	<b>\$ 65,000</b>	<b>\$ 65,000</b>	<b>\$ 110,000</b>	<b>\$ 45,000</b>	<b>69.23%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 1,347,000	\$ 1,942,300	\$ 1,875,700	\$ 2,087,100	\$ 144,800	7.46%
579000 - Bond Service Fees	5,555	7,700	7,700	11,260	3,560	46.23%
<b>Debt Service Total</b>	<b>\$ 1,352,555</b>	<b>\$ 1,950,000</b>	<b>\$ 1,883,400</b>	<b>\$ 2,098,360</b>	<b>\$ 148,360</b>	<b>7.61%</b>
<b>Grand Total</b>	<b>\$ 1,479,928</b>	<b>\$ 2,314,180</b>	<b>\$ 2,247,580</b>	<b>\$ 2,931,050</b>	<b>\$ 616,870</b>	<b>26.66%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$616,870 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to the implementation of the WW Administration allocation.
- Pipeline Maintenance and Specials Studies and Reports increased to perform the scheduled pipeline inspection and cleaning per the CMOM plan. This is funded by a transfer from the Preventative Maintenance Escrow.
- Shared Services allocation increased in FY22.
- An increase in the amount transferred to Preventative Maintenance Escrow to fund future pipeline inspections and repairs.
- Debt Service increased for the planned debt issuance for the Lift Station Phase II and Force Main Improvements.

## Parker Creek Parallel Interceptor Revenues and Expenses

Parker Creek Parallel Interceptor	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>						
<b>Wastewater Sales</b>						
420000-Interceptor - Members	\$ 103,677	\$ 116,380	\$ 116,550	\$ 238,470	\$ 122,090	104.91%
<b>Total Wastewater Sales</b>	<b>\$ 103,677</b>	<b>\$ 116,380</b>	<b>\$ 116,550</b>	<b>\$ 238,470</b>	<b>\$ 122,090</b>	<b>104.91%</b>
441000-Interest Income	\$ 127	\$ 195	\$ 25	\$ 25	\$ (170)	-87.18%
<b>Revenues Total</b>	<b>\$ 103,803</b>	<b>\$ 116,575</b>	<b>\$ 116,575</b>	<b>\$ 238,495</b>	<b>\$ 121,920</b>	<b>104.59%</b>
<b>Expenses Total</b>	<b>\$ (103,803)</b>	<b>\$ (116,575)</b>	<b>\$ (116,575)</b>	<b>\$ (238,495)</b>	<b>\$ (121,920)</b>	<b>104.59%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

## Expense Detail

Parker Creek Parallel Interceptor	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ -	\$ -	\$ -	\$ 305	\$ 305	0.00%
512000 - Social Security	-	-	-	20	20	0.00%
513020 - Hospitalization Ins	-	-	-	25	25	0.00%
<b>Personnel Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 350</b>	<b>\$ 350</b>	<b>0.00%</b>
<b>Supplies</b>						
520800 - Small Tools & Equip	\$ -	\$ 2,500	\$ 2,500	\$ 2,500	\$ -	0.00%
521500 - Mechanical Supplies	98	-	-	-	-	0.00%
521600 - Pipeline Supplies	39	500	500	500	-	0.00%
522000 - Equipment Supplies	-	1,025	1,025	1,025	-	0.00%
<b>Supplies Total</b>	<b>\$ 137</b>	<b>\$ 4,025</b>	<b>\$ 4,025</b>	<b>\$ 4,025</b>	<b>\$ -</b>	<b>0.00%</b>
<b>Services</b>						
530400 - Fire & Exten Cov Ins	\$ 368	\$ 440	\$ 440	\$ 550	\$ 110	25.00%
531020 - Internet Service	90	90	90	90	-	0.00%
531200 - Bank Service Fees	2	5	5	5	-	0.00%
531800 - Rent or Lease Payment	-	100	100	100	-	0.00%
532220 - Pipeline Maintenance	-	-	-	2,000	2,000	0.00%
532800 - Grounds Maintenance	-	2,500	2,500	2,500	-	0.00%
533100 - Administration	175	75	75	70	(5)	-6.67%
533380 - Odor Control Crew	-	1,000	1,000	1,000	-	0.00%
533680 - Conveyance System Exp	5,800	6,000	6,000	6,600	600	10.00%
Shared Services	1,021	5,330	5,330	6,425	1,095	20.54%
<b>Services Total</b>	<b>\$ 7,457</b>	<b>\$ 15,540</b>	<b>\$ 15,540</b>	<b>\$ 19,340</b>	<b>\$ 3,800</b>	<b>24.45%</b>
<b>Escrow</b>						
550700 - Prev Maint Escrow	\$ 27,500	\$ -	\$ -	\$ 32,000	\$ 32,000	0.00%
<b>Escrow Total</b>	<b>\$ 27,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 32,000</b>	<b>\$ 32,000</b>	<b>0.00%</b>

## Expense Detail (continued)

Parker Creek Parallel Interceptor	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 64,200	\$ 92,500	\$ 92,500	\$ 178,100	\$ 85,600	92.54%
579000 - Bond Service Fees	4,510	4,510	4,510	4,680	170	3.77%
<b>Debt Service Total</b>	<b>\$ 68,710</b>	<b>\$ 97,010</b>	<b>\$ 97,010</b>	<b>\$ 182,780</b>	<b>\$ 85,770</b>	<b>88.41%</b>
<b>Grand Total</b>	<b>\$ 103,803</b>	<b>\$ 116,575</b>	<b>\$ 116,575</b>	<b>\$ 238,495</b>	<b>\$ 121,920</b>	<b>104.59%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$121,920 from the FY21 Original Budget. Major variances are explained below:

- Shared Services allocation increased in FY22.
- Transfers to the Preventative Maintenance Escrow increased to fund future inspections and repairs.
- Debt Service increased as a result of no offsetting transfers from the construction fund.



## Wastewater Pretreatment Department

### Overview

The Wastewater Pretreatment Department currently provides pretreatment services for the Cities of Allen, Forney, Frisco, McKinney, Melissa, Mesquite, Plano, Rockwall, Seagoville, Sunnyvale, Terrell and Wylie as required by the EPA and TCEQ pretreatment regulations. Pretreatment regulations require permits for industries that discharge wastewater from specific categorical processes as defined in EPA regulations, significant quantity and/or loadings of process wastewater; and industries that contribute pollutants that may cause interference with the collection system or normal operation of the wastewater treatment plant. Required oversight and assessment of the industries includes annual detailed inspections, onsite visits as needed, quarterly sampling of wastewater, demand or surveillance sampling and issuance and renewal of discharge permits. Additionally, the EPA requires submission of a one-time compliance report from all dental facilities discharging wastewater to any of NTMWD's wastewater treatment plants under the "Dental Amalgam Rule" (40 CFR Part 441). The NTMWD Pretreatment Department is inspected and audited by the TCEQ. Charges for services are funded by cities that have industries regulated under the pretreatment program.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### **Service: Provide Superior Water, Wastewater and Solid Waste Services Today and Tomorrow**

- Ensure wastewater discharged from industries complies with regulations to protect the receiving wastewater treatment facilities.
- Routinely monitor quality of the raw water supplies.
- Provide support for operations through monitoring to ensure superior services.

#### **Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Provide timely response to city and industry inquiries.

#### **Partnership: Actively collaborate with members, customers, partners, employees and stakeholders**

- Conduct meetings with cities periodically to update them on rule changes or new programs required under the pretreatment program.
- Communicate regularly with cities regarding permitting and compliance of industries within their jurisdiction.

#### **People: Build a talented, competent and committed team**

- Hire skilled employees and develop them through in-house and on-the-job training.
- Ensure staff obtain and maintain a Class C, TCEQ Water Distribution/Operator license.
- Provide personal protective equipment and safety gear for all aspects of the position.

### Major Budget Drivers

- Personnel
- Laboratory services (internal and subcontract)
- Monitoring Equipment
- Compliance tracking software

## Position Summary

### Wastewater Pretreatment Department

Full-Time Positions	FY21	FY22	Difference
Administrative Technician	0.60	0.60	-
Assistant Deputy (Information Technology)	-	0.20	0.20
Assistant Deputy (Technology & Support)	0.20	-	(0.20)
Environmental Analyst	0.10	0.10	-
Environmental Program Coordinator	0.60	0.60	-
Environmental Program Manager	0.40	0.40	-
Environmental Services Manager	0.25	0.25	-
Environmental Specialist I	1.00	1.00	-
Environmental Specialist II	1.00	1.00	-
Environmental Supervisor I	1.00	1.00	-
Environmental Technician II	3.00	3.00	-
<b>Total Full-Time Positions</b>	<b>8.15</b>	<b>8.15</b>	<b>-</b>

## Revenues and Expenses

Wastewater Pretreatment Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>						
<b>Wastewater Sales</b>						
420000-Pretreatment - Members	\$ 1,092,625	\$ 1,195,080	\$ 1,149,420	\$ 1,335,160	\$ 140,080	11.72%
<b>Total Wastewater Sales</b>	<b>\$ 1,092,625</b>	<b>\$ 1,195,080</b>	<b>\$ 1,149,420</b>	<b>\$ 1,335,160</b>	<b>\$ 140,080</b>	<b>11.72%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 315	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	202	-	-	-	-	0.00%
440999-Misc Revenue	14	-	-	-	-	0.00%
<b>Total Other</b>	<b>\$ 532</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 1,808	\$ 2,740	\$ 180	\$ 180	\$ (2,560)	-93.43%
<b>Revenues Total</b>	<b>\$ 1,094,965</b>	<b>\$ 1,197,820</b>	<b>\$ 1,149,600</b>	<b>\$ 1,335,340</b>	<b>\$ 137,520</b>	<b>11.48%</b>
<b>Expenses Total</b>	<b>\$ (1,094,965)</b>	<b>\$ (1,197,820)</b>	<b>\$ (1,149,600)</b>	<b>\$ (1,335,340)</b>	<b>\$ (137,520)</b>	<b>11.48%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

## Expense Detail

Wastewater Pretreatment Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 580,555	\$ 561,510	\$ 515,725	\$ 562,940	\$ 1,430	0.25%
511060 - Overtime	885	2,000	2,000	2,000	-	0.00%
512000 - Social Security	41,607	42,960	38,730	43,060	100	0.23%
513000 - Workers' Comp Ins	11,493	10,685	9,830	9,040	(1,645)	-15.40%
513020 - Hospitalization Ins	102,636	105,740	95,515	104,740	(1,000)	-0.95%
513040 - Dental Ins	4,341	4,640	4,360	4,485	(155)	-3.34%
513060 - Life Ins	1,406	1,495	1,310	1,365	(130)	-8.70%
514000 - Retirement	62,655	58,075	58,075	85,790	27,715	47.72%
514010 - Retiree - Insurance	10,930	10,130	23,710	24,010	13,880	137.02%

## Expense Detail (continued)

Wastewater Pretreatment Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel (continued)</b>						
514020 - Comp Absences-vacation	5,200	1,430	1,430	28,405	26,975	1886.36%
514030 - Comp Absences-sick	3,590	-	-	5,440	5,440	0.00%
515000 - Cell Phone Stipend	3,562	3,625	3,385	3,625	-	0.00%
<b>Personnel Total</b>	<b>\$ 828,860</b>	<b>\$ 802,290</b>	<b>\$ 754,070</b>	<b>\$ 874,900</b>	<b>\$ 72,610</b>	<b>9.05%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 1,994	\$ 1,815	\$ 1,815	\$ 1,815	-	0.00%
520110 - Computer Supplies	9,587	32,000	32,000	25,000	(7,000)	-21.88%
520300 - Clothing Supplies	2,215	5,195	5,195	5,195	-	0.00%
520600 - Fuel, Oil and Lube	2,255	6,840	6,840	6,840	-	0.00%
520630 - Toll Fees	161	450	450	450	-	0.00%
520800 - Small Tools & Equip	2,555	8,000	8,000	8,000	-	0.00%
521000 - Laboratory Supplies	1,959	3,000	3,000	3,000	-	0.00%
521110 - Safety Supplies	1,264	1,530	1,530	1,530	-	0.00%
521900 - Vehicle Supplies	35	2,100	2,100	2,100	-	0.00%
521910 - Tires and Tubes	-	2,100	2,100	2,100	-	0.00%
522000 - Equipment Supplies	7,463	8,785	8,785	8,785	-	0.00%
<b>Supplies Total</b>	<b>\$ 29,489</b>	<b>\$ 71,815</b>	<b>\$ 71,815</b>	<b>\$ 64,815</b>	<b>\$ (7,000)</b>	<b>-9.75%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 2,398	\$ 2,330	\$ 2,330	\$ 2,585	255	10.94%
530900 - General Liability Ins	393	450	450	475	25	5.56%
531020 - Internet Service	2,795	2,880	2,880	2,880	-	0.00%
531310 - Special Studies & Rpts	-	-	-	60,000	60,000	0.00%
531400 - Legal Service	-	15,000	15,000	10,000	(5,000)	-33.33%
531900 - Travel and Training	2,218	3,700	3,700	3,700	-	0.00%
532000 - Mem & Subscriptions	7,948	8,235	8,235	8,235	-	0.00%
532100 - Vehicle Maint	25	2,400	2,400	2,400	-	0.00%
532110 - Veh Maint by Solid Waste	303	1,200	1,200	1,200	-	0.00%
532200 - Equipment Maintenance	1,839	2,000	2,000	2,000	-	0.00%
532300 - Postage	141	500	500	500	-	0.00%
532850 - Building Maintenance	-	20,000	20,000	5,000	(15,000)	-75.00%
533100 - Administration	2,220	2,130	2,130	2,100	(30)	-1.41%
533500 - Lab Svc - Contract	7,546	26,025	26,025	18,000	(8,025)	-30.84%
Shared Services	208,790	236,865	236,865	276,550	39,685	16.75%
<b>Services Total</b>	<b>\$ 236,616</b>	<b>\$ 323,715</b>	<b>\$ 323,715</b>	<b>\$ 395,625</b>	<b>\$ 71,910</b>	<b>22.21%</b>
<b>Grand Total</b>	<b>\$ 1,094,965</b>	<b>\$ 1,197,820</b>	<b>\$ 1,149,600</b>	<b>\$ 1,335,340</b>	<b>\$ 137,520</b>	<b>11.48%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$137,520 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Wages, Retirement, Compensated Absences-vacation and Compensated Absences-sick costs.
- Special Studies & Reports increased for a pretreatment program study to determine a more representative method for allocating pretreatment costs to cities.
- Shared Services allocation increased in FY22.

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# REGIONAL SOLID WASTE SYSTEM

## FY22 FAST BUDGET FACTS

SOLID WASTE SERVICES

### COMMUNITIES SERVED

**113**  
EMPLOYEES

**\$13**  
MILLION

In solid waste  
construction contracts



**4** Regional  
Citizen  
CONVENIENCE  
CENTERS



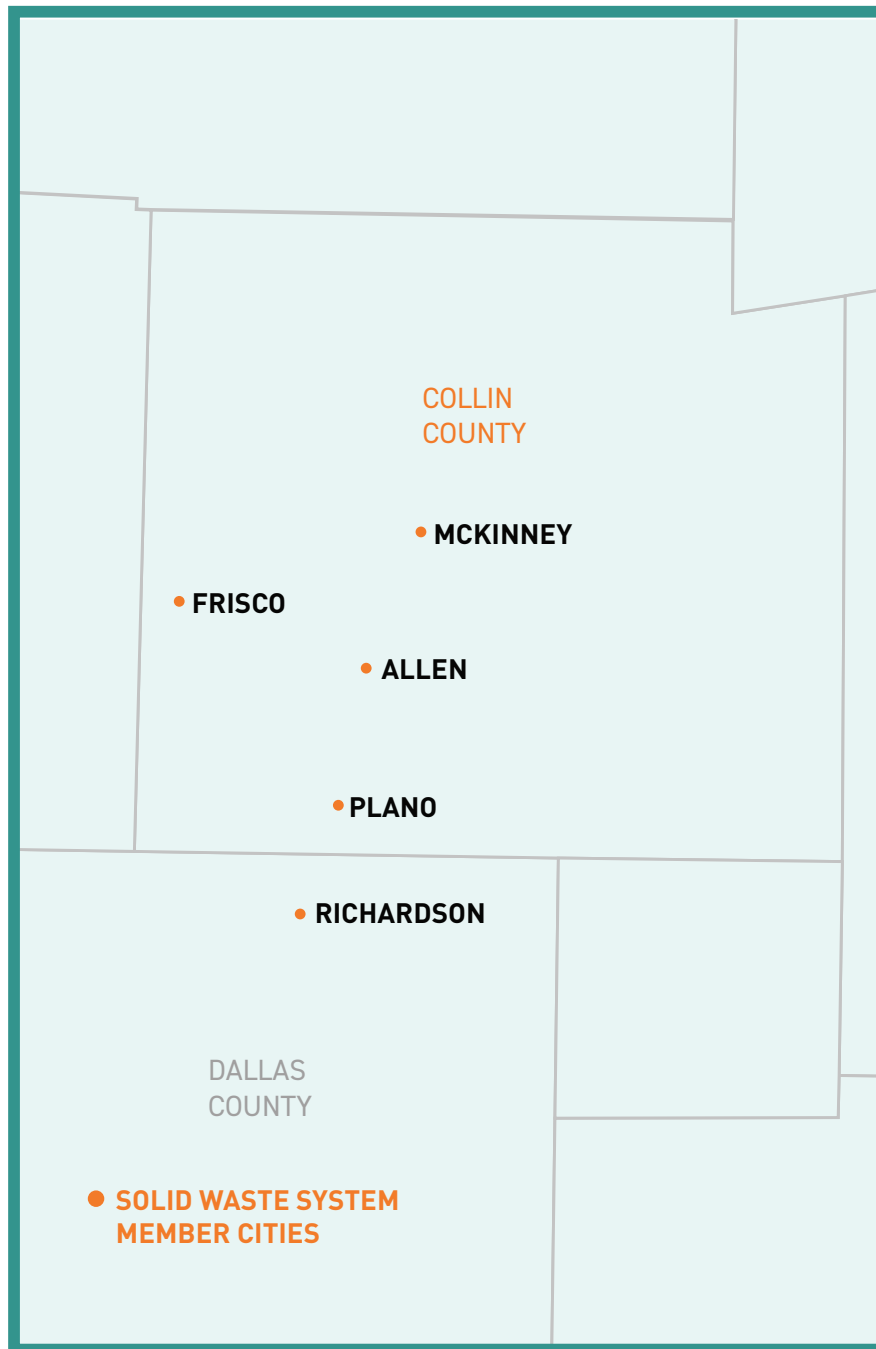
Over  
**50,000**

tons of yard &  
organic waste  
composted  
annually



**3,800**

tons of solid waste  
disposed per day  
at 121 Regional  
Disposal Facility



On average, around

**1 million**

**TONS**  
of solid waste  
disposed each year



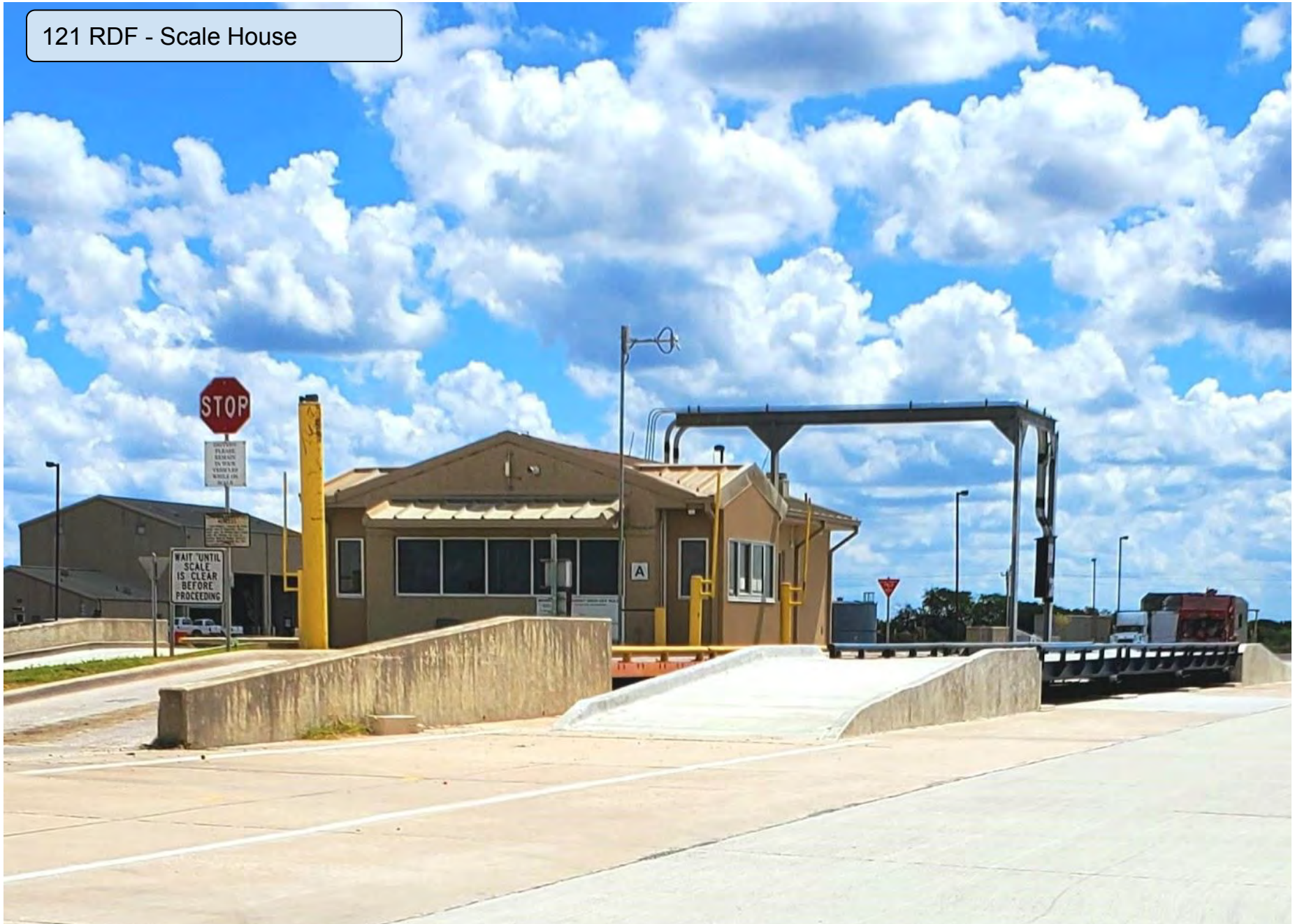
**3** Transfer stations  
permitted to process up to

**3,295 TONS**  
of solid waste per day





121 RDF - Scale House

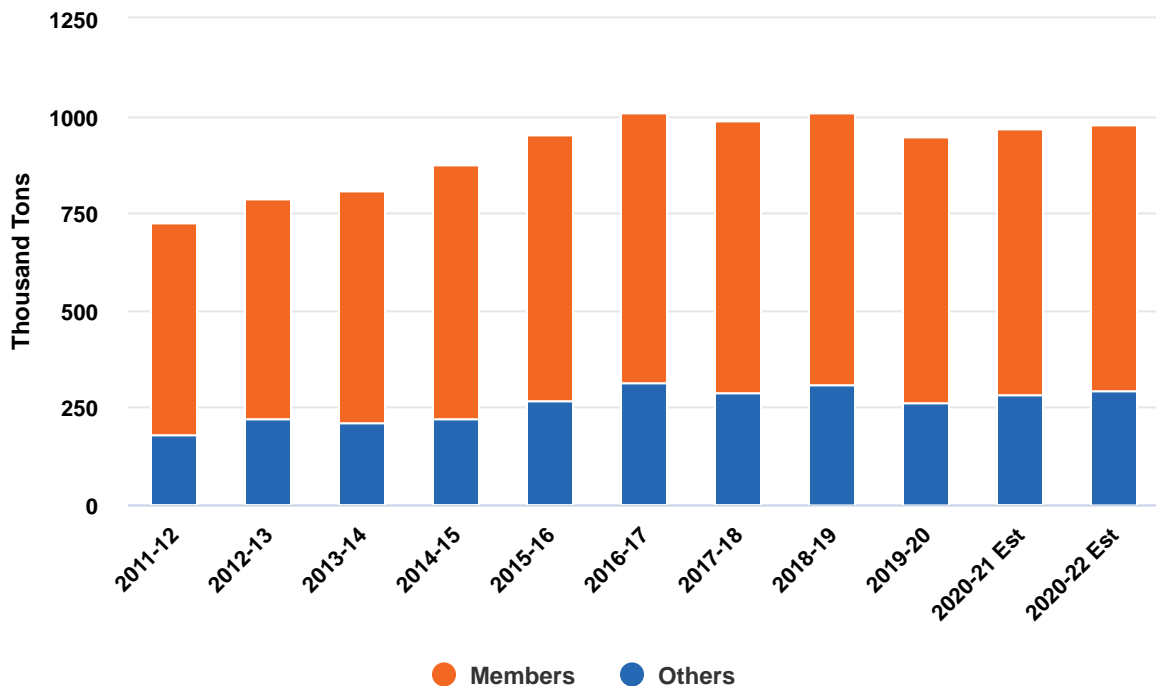


## Regional Solid Waste System

The Regional Solid Waste System (RSWS) processes and disposes of nearly a million tons of solid waste safely and reliably each year while protecting the environment and water quality. The solid waste facilities are operated and monitored in full compliance with TCEQ and EPA regulations.

The RSWS provides solid waste transfer and disposal services for the five Member Cities of Allen, Frisco, McKinney, Plano and Richardson, as well as other customers in North Texas. There are three transfer stations that process up to 3,295 tons of solid waste per day and approximately 3,800 tons of solid waste are disposed per day at the 121 Regional Disposal Facility (RDF). The RSWS processed a total of 947,924 tons of waste in 2020, and based on projections, approximately 1,000,000 tons will be processed in FY21 and FY22. The RSWS has a total of 113 employees.

### SOLID WASTE SYSTEM TONNAGE



## Collection and Transport

City or private route trucks collect solid waste from residents and businesses and deliver to the landfill or to one of three transfer stations (two in Plano and one in Richardson). District operators push and compact the solid waste onto larger capacity eighteen-wheeled District transfer trucks for transportation to the 121 RDF in Melissa, Texas. District transfer trucks drive approximately 30 miles one-way to the 121 RDF. This transfer process saves money by ensuring that smaller waste collection vehicles do not have to travel the additional distance to the landfill; it also reduces traffic and vehicle emissions associated with fewer trucks on the road. Once at the landfill, transfer trucks are directed to the active landfill cell, where the waste is unloaded, spread and compacted by 120,000-pound compactors. Each day, landfill personnel cover the day's solid waste with a minimum of six inches of clean soil. Residents of Member Cities can drop off certain types of waste - including used motor oil and used oil filters - twice per month at one of four Citizen Convenience Centers. Contractors may also drop off waste directly at the landfill facility.

The 121 RDF is authorized to accept properly treated bio-solids (also referred to as sludge) for disposal. The District hauls bio-solids in roll off hauling containers from various District wastewater treatment plants. Landfill Service Fees are included in the WWTPs' annual budgets.



### Composting and Gas Production

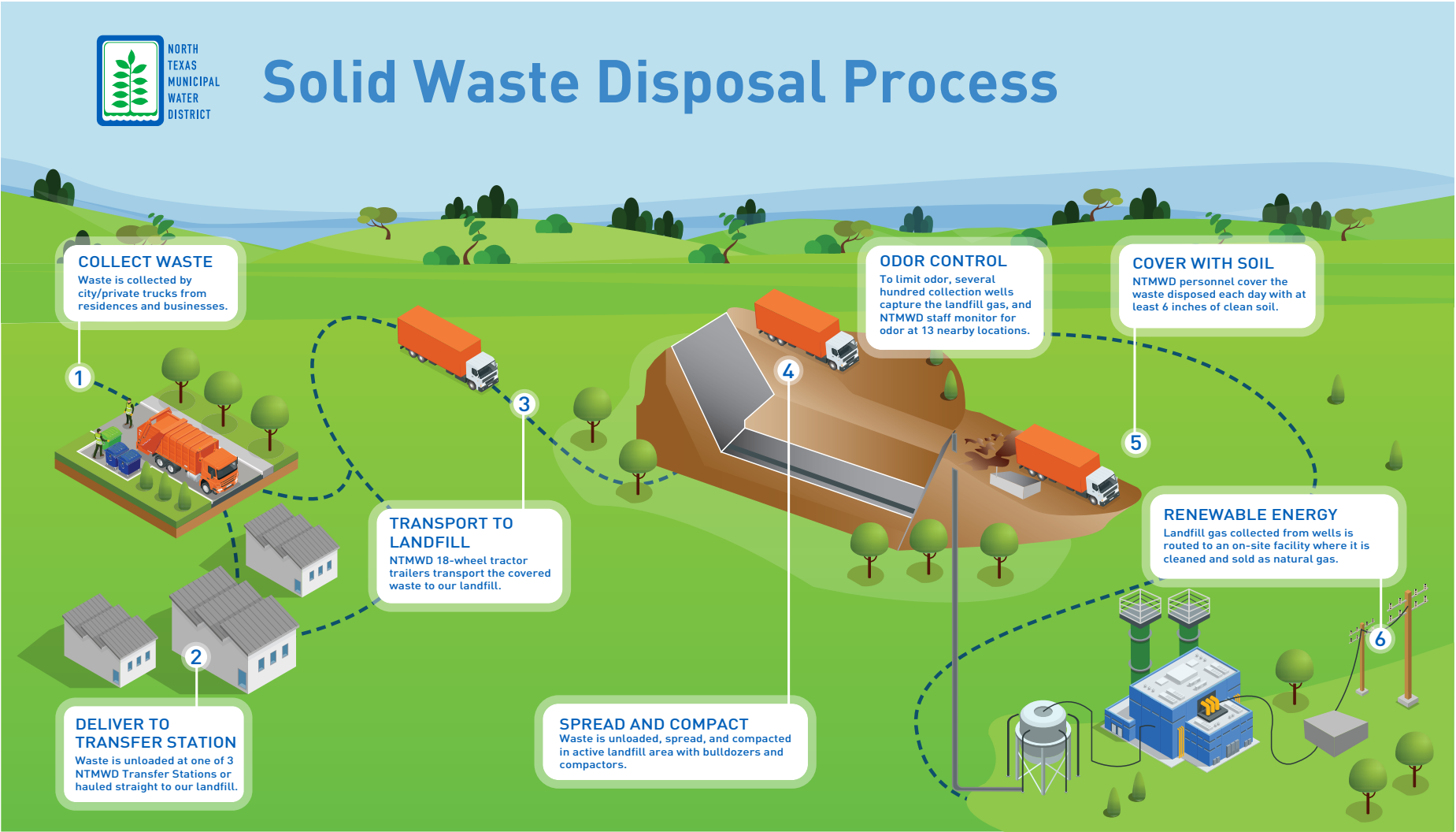
The District has a composting program contracted to the City of Plano under the Texas Pure Products brand. The operation consists of a wood grind facility located at the Custer Road Transfer Station in Plano and the compost operation facility located at the 121 RDF. Yard waste collected from the five Member Cities, residents and landscape professionals is transported from the Custer grind site to the 121 RDF where it can be processed into compost, soil amendments and mulch. The City of Plano invoices the District for yard waste delivered by the remaining four solid waste Member Cities and the District in turn invoices those four Member Cities. Annually, the District diverts approximately 50,000 tons of yard waste from landfill to the composting facility.



The Morrow Renewable High BTU Gas Plant is a state-of-the-art facility that captures landfill gas (methane and carbon dioxide) and converts it to clean, renewable natural gas. The process is currently offsetting CO<sub>2</sub> emissions by the equivalent of nearly 62 MG of consumed gasoline each year. Morrow Renewables built and operates the facility and sells the renewable natural gas. The District receives a royalty on the gas produced and a share of the revenue generated goes toward offsetting landfill operation costs.

### Fleet Maintenance

The RSWS houses the District's Fleet Maintenance operations. The Fleet Maintenance Shop, located at the 121 RDF, services and repairs all transfer trailers and wastewater sludge hauling vehicles, transfer station heavy equipment and various mechanical units such as transfer station compactors. The Wylie Service Center, located at the Wylie WTP, services and performs minor repairs on District passenger vehicles.





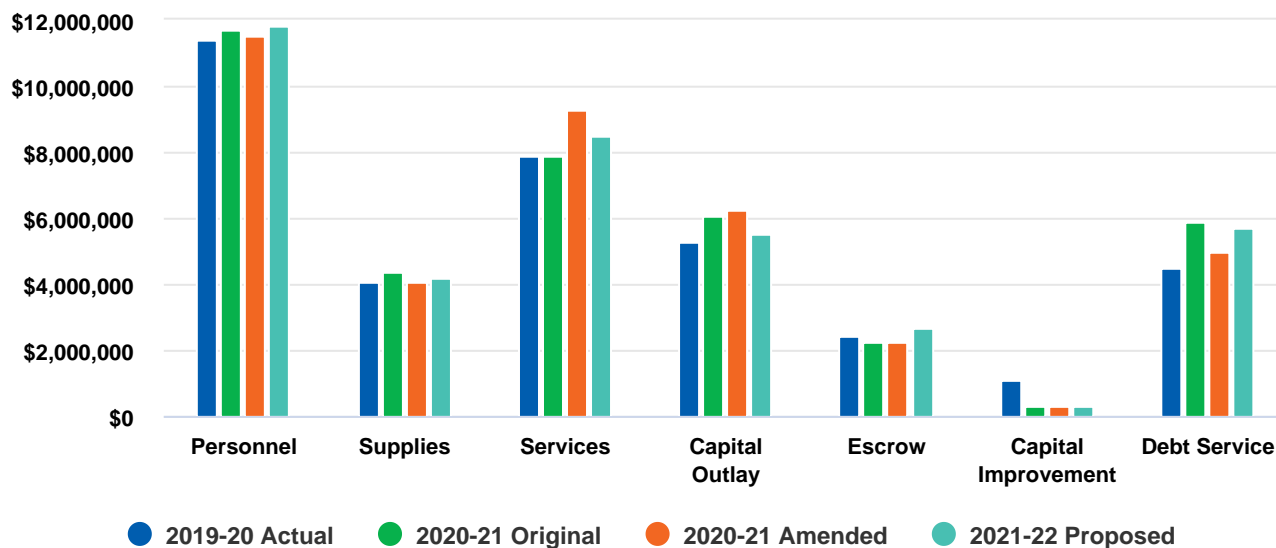
## Revenues and Expenditures

	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>	<b>\$ 36,621,708</b>	<b>\$ 38,444,515</b>	<b>\$ 38,650,675</b>	<b>\$ 38,677,405</b>	<b>\$ 232,890</b>	<b>0.61%</b>
<b>Expenditures</b>						
Personnel	\$ 11,370,003	\$ 11,724,615	\$ 11,495,445	\$ 11,813,405	\$ 88,790	0.76%
Supplies	4,066,155	4,356,915	4,062,905	4,189,190	(167,725)	-3.85%
Services	7,899,830	7,878,035	9,291,415	8,477,700	599,665	7.61%
Capital Outlay	5,271,385	6,065,600	6,242,060	5,503,850	(561,750)	-9.26%
Escrow	2,445,000	2,261,000	2,261,000	2,670,000	409,000	18.09%
Debt Service	5,569,335	6,158,350	5,297,850	6,023,260	(135,090)	-2.19%
<b>Total</b>	<b>\$ 36,621,708</b>	<b>\$ 38,444,515</b>	<b>\$ 38,650,675</b>	<b>\$ 38,677,405</b>	<b>\$ 232,890</b>	<b>0.61%</b>

The FY21 Amended Budget for expenditures and revenues totals \$38,650,675, which is \$206,160 or 0.54% greater than the FY21 Original Budget of \$38,444,515. For the FY22 Annual Budget, the total RSWS expenditures are \$38,677,405, which is \$232,890 or 0.61% greater than the FY21 Original Budget. Major budget variances are explained below:

- Increase in Services of \$599,665 due to higher Equipment Maintenance costs to repair aging equipment, higher Automotive Insurance premiums and increased allocation for Shared Services.
- Increase in Escrow of \$409,000 to transfer funds into the equipment replacement escrow.
- Increase in Personnel of \$88,790 due to higher retirement costs.
- Decrease in Capital Outlay of \$(561,750) as a result of a reduction in replacement Vehicle Equipment purchases.
- Decrease in Debt Service of \$(135,090) related to a bond issue reduction and later timing.
- Decrease in Supplies of \$(167,725) due to a reduction in Vehicle Supplies based on prior year's trend.

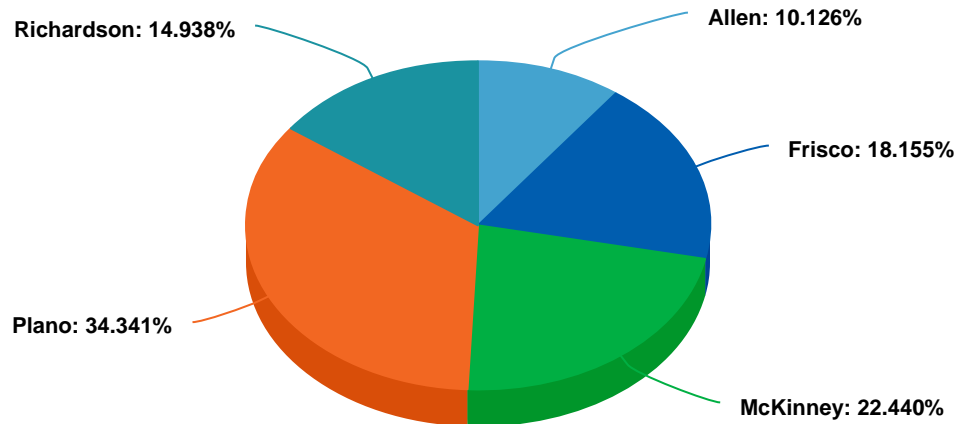
## RSWS EXPENDITURES



## Cost Allocation - Tonnage

Member City representatives provide estimated annual tonnage to amend the current year and future year projections. Finance compiles the actual tonnage data from monthly reports provided by RSWS management. Member Cities estimate that 680,948 tons of waste will be processed in FY21 and 682,853 tons in FY22.

### PROPOSED MEMBER CITY COST ALLOCATION



## Cost Allocation for Member Cities

The Regional Solid Waste System has been developed under a common bond pledge and the Member Cities share the cost of solid waste transfer and disposal services on the basis of contributed tonnage. O&M charges are allocated to each city based on estimated tonnage. Debt service charges are allocated to each city based on the greater of the city's 5-year average tonnage or 25% of the highest year tonnage. At the end of the year, the actual cost for each city is determined based on actual tonnage and final billing adjustments are applied accordingly.

The total charges to be allocated to the Member Cities for FY22 are \$26,118,800 after deducting customer landfill fees, composting revenues, gas collection royalties, sludge disposal fees, interest and other revenue in the estimated amount of \$12,558,605 from the proposed budget of \$38,677,405.

	2019-20		2020-21		2020-21		2021-22	
Cities	Actuals		Original Budget		Amended Budget		Proposed Budget	
Allen	\$ 2,522,614	\$	2,621,801	\$	2,580,356	\$	2,644,687	
Frisco	4,355,568		4,711,002		4,509,289		4,741,984	
McKinney	5,583,969		5,901,777		5,711,357		5,860,974	
Plano	8,338,024		9,175,710		9,030,661		8,969,513	
Richardson	3,818,116		4,141,070		3,803,167		3,901,642	
<b>Total</b>	<b>\$ 24,618,291</b>	<b>\$</b>	<b>26,551,360</b>	<b>\$</b>	<b>25,634,830</b>	<b>\$</b>	<b>26,118,800</b>	
<b>Tonnage</b>	<b>649,386</b>		<b>694,145</b>		<b>680,948</b>		<b>682,853</b>	
<b>Cost per ton</b>	<b>\$ 37.91</b>	<b>\$</b>	<b>38.25</b>	<b>\$</b>	<b>37.65</b>	<b>\$</b>	<b>38.25</b>	

## Regional Solid Waste System Facilities

### 5511 – Lookout Transfer Station (TS)

The Lookout Drive Transfer Station is located at 1601 E. Lookout Drive in Richardson. Member City's collected residential and commercial waste is delivered to this transfer station, loaded onto tractor-trailers and then transported to the 121 RDF. The site is permitted to accept an average of 625 tons per day. A Citizen Convenience Center is located at the Lookout TS.

### 5512 – Parkway Transfer Station

The Parkway Transfer Station is located at 4030 W. Plano Parkway in Plano. Member City's collected residential and commercial waste is delivered to this transfer station, loaded onto tractor-trailers and transported to the 121 RDF. The site is permitted to accept 770 tons of waste per day. A Citizen Convenience Center is located at the Parkway TS.

### 5513 – Custer Transfer Station

The Custer Road Transfer Station is located at 9901 Custer Road in Plano. Member City's collected residential, commercial and yard waste is delivered to this transfer station. Residential and commercial waste is loaded onto tractor-trailers and transported to the 121 RDF. The wood grind facility grinds yard waste to reduce the volume for transportation to the 121 RDF Compost Facility for processing. The site is permitted to accept up to 1,900 tons of waste per day. The Citizen Convenience Center consists of three drop-off pits that allow Member City residents to dispose of residential waste and used motor oil and filters.

### 5521 – Maxwell Creek Landfill

The Maxwell Creek Landfill is in the 30-year post-closure care period that began in July 2006.

### 5522 – McKinney Landfill

The McKinney Landfill is in the 30-year post-closure care period that began in June 2014.

### 5523 – 121 Regional Disposal Facility

The 121 Regional Disposal Facility (RDF) is located at 3820 Sam Rayburn Highway in Melissa. The landfill accepts approximately 3,800 tons of waste per day from the three NTMWD transfer stations, bio-solids from District WWTPs and Non-Member City waste from the surrounding area. Member City residents can dispose of residential waste and used motor oil and filters at this facility. Composting activities also occur at the 121 landfill. The 121 RDF is expected to meet the solid waste needs of the region for the next several decades..

### 5530 – Fleet Maintenance Shop

The Fleet Maintenance Shop is located adjacent to the 121 RDF and the Wylie Service Center is located at the Wylie WTP. Staff at the Fleet Maintenance Shop perform repairs and preventive maintenance on all transfer station equipment as well as wastewater system sludge transport vehicles while staff at the Wylie Service Center perform preventative maintenance and minor repairs on District vehicles. Charges for services to the non-Solid Waste vehicles are credited to the Solid Waste System.



## RSWS Fund Balances

Capital Improvement Fund  
9/30/21**Projected Balance:**

07/31/21	Fund Balance	\$	7,550,494
	Remaining Payments to be made on Authorized Projects		(449,585)
	Remaining Budgeted Transfers from Operating Fund		49,650
	Expected Projects		(22,000)
09/30/21	Expected Fund Balance		7,128,559
	Balance Transfers from Operating Fund		297,900
	Expected Projects		-
	Interest Income		4,277
09/30/22	Balance Available for Future Projects	\$	7,430,736

Reserve for Maintenance Fund  
9/30/21**Projected Balance:**

09/30/21	Expected Fund Balance	\$	1,206,283
	Balance Transfers from Operating Fund		10,000
	Expected Projects		-
	Interest Income		724
09/30/22	Balance Available for Future Projects	\$	1,217,006

Equipment Replacement Fund  
9/30/21**Projected Balance:**

09/30/21	Expected Fund Balance	\$	13,046,033
	Balance Transfers from Operating Fund		2,660,000
	Expected Projects		-
	Interest Income		7,828
09/30/22	Balance Available for Future Projects	\$	15,713,860

## Lookout Drive Transfer Station

### Overview

The primary mission is to provide solid waste processing for the Member Cities of Allen, Frisco, McKinney, Plano and Richardson. Lookout is one of three transfer stations owned and operated by NTMWD. Solid waste is collected by the Member Cities from residents and businesses and delivered to the transfer station. The waste is then discharged onto the floor and loaded onto larger NTMWD tractor-trailers and transported to the 121 RDF located in Melissa, Texas. This transfer process saves money through route efficiency and reduces traffic and vehicle emissions by ensuring that smaller waste collection vehicles do not have to travel the additional distance to the landfill.

The facility is located, designed, operated and monitored in full compliance with the regulations set forth by the TCEQ and the EPA. Only non-hazardous municipal solid waste is permitted for disposal. A used motor oil and filter drop off area allows residents to recycle those products. Also, there is a large/bulky item area for large appliance recycling. The site is permitted to accept 625 tons per day through January 1, 2022, then increases to 700 tons per day. Both averaged over 365 days per year, with a daily maximum of 1,500 tons per day.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### **Service: Provide superior water, wastewater and solid waste services today and tomorrow**

- Provide superior processing and transportation of waste safely and reliably.
- Protect the environment and water quality.
- Maximize transfer trailer payload to minimize trips to the landfill.

#### **Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Continuously improve the short and long-term replacement scheduling forecasts to identify underutilized equipment and determine future vehicle and equipment needs.
- Continue to improve operational practices to maximize efficiency and to reduce budget costs.

#### **Partnership: Actively collaborate with members, customers, partners, employees and stakeholders**

- Continue communication with Member Cities, especially the City of Richardson.
- Actively manage and build relationships within internal departments as well as external vendors.

#### **People: Build a talented, competent and committed team**

- Continue to offer training and education options to the entire team in order to stay informed of technological advancements.

### Major Budget Drivers

- Personnel, including overtime
- Fuel, Oil and Lubricants
- Vehicle Supplies
- Vehicle and Equipment Maintenance
- Vehicle Equipment

## Position Summary

### Lookout Transfer Station

Full-Time Positions	FY21	FY22	Difference
Administrative Technician	0.20	0.20	-
Assistant Deputy (Solid Waste)	0.20	0.20	-
Scale Operator	2.00	2.00	-
Solid Waste System Manager	0.25	-	(0.25)
Transfer Station Equipment Operator	3.00	3.00	-
Transfer Station Foreman	1.00	1.00	-
Transfer Station Manager	0.34	0.34	-
Transport Driver	9.00	9.00	-
<b>Total Full-Time Positions</b>	<b>15.99</b>	<b>15.74</b>	<b>(0.25)</b>

## Expense Detail

Lookout Transfer Station	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 815,585	\$ 882,810	\$ 771,030	\$ 862,025	\$ (20,785)	-2.35%
511060 - Overtime	289,047	337,000	337,000	300,000	(37,000)	-10.98%
512000 - Social Security	83,217	67,540	75,005	65,950	(1,590)	-2.35%
513000 - Workers' Comp Ins	46,208	37,520	39,665	33,045	(4,475)	-11.93%
513020 - Hospitalization Ins	168,434	173,895	180,155	217,925	44,030	25.32%
513040 - Dental Ins	8,721	8,825	8,795	10,230	1,405	15.92%
513060 - Life Ins	1,972	2,420	2,045	2,155	(265)	-10.95%
514000 - Retirement	137,870	130,245	130,245	156,640	26,395	20.27%
514010 - Retiree - Insurance	24,055	22,725	45,240	43,840	21,115	92.92%
514020 - Comp Absences-vacation	7,950	6,335	6,335	-	(6,335)	-100.00%
514030 - Comp Absences-sick	26,725	7,135	7,135	-	(7,135)	-100.00%
515000 - Cell Phone Stipend	2,898	3,355	3,330	4,100	745	22.21%
<b>Personnel Total</b>	<b>\$ 1,612,683</b>	<b>\$ 1,679,805</b>	<b>\$ 1,605,980</b>	<b>\$ 1,695,910</b>	<b>\$ 16,105</b>	<b>0.96%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 1,458	\$ 1,400	\$ 1,400	\$ 1,400	-	0.00%
520110 - Computer Supplies	6,972	18,900	12,900	6,910	(11,990)	-63.44%
520300 - Clothing Supplies	5,834	5,730	5,730	9,265	3,535	61.69%
520600 - Fuel, Oil and Lube	269,234	292,140	212,140	252,080	(40,060)	-13.71%
520630 - Toll Fees	23,400	22,800	19,800	22,800	-	0.00%
520800 - Small Tools & Equip	476	600	600	600	-	0.00%
520810 - Fire Extinguishers	1,469	3,600	3,600	2,400	(1,200)	-33.33%
520900 - Janitorial Supplies	711	2,000	2,000	1,750	(250)	-12.50%
521100 - Medical Supplies	108	400	400	200	(200)	-50.00%
521110 - Safety Supplies	5,138	10,185	10,185	6,165	(4,020)	-39.47%
521200 - Chem - Other	6,170	16,800	16,800	16,800	-	0.00%
521400 - Electrical Supplies	1,491	2,500	2,000	1,500	(1,000)	-40.00%
521500 - Mechanical Supplies	92,796	12,000	42,000	12,000	-	0.00%
521700 - Building Supplies	3,205	500	15,500	2,900	2,400	480.00%

## Expense Detail (continued)

Lookout Transfer Station	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies (continued)</b>						
521900 - Vehicle Supplies	\$ 133,147	\$ 130,000	\$ 130,000	\$ 130,000	\$ -	0.00%
521910 - Tires and Tubes	110,521	71,100	71,100	111,100	40,000	56.26%
522000 - Equipment Supplies	431	-	-	-	-	0.00%
523000 - Other Supplies	1,984	5,000	3,000	3,000	(2,000)	-40.00%
<b>Supplies Total</b>	<b>\$ 664,544</b>	<b>\$ 595,655</b>	<b>\$ 549,155</b>	<b>\$ 580,870</b>	<b>\$ (14,785)</b>	<b>-2.48%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 44,634	\$ 40,260	\$ 40,260	\$ 62,950	\$ 22,690	56.36%
530400 - Fire & Exten Cov Ins	14,808	17,590	17,590	22,085	4,495	25.55%
530900 - General Liability Ins	744	1,735	1,735	1,600	(135)	-7.78%
531000 - Telephone	2,010	600	600	600	-	0.00%
531020 - Internet Service	2,131	3,600	3,600	2,640	(960)	-26.67%
531100 - Electric Power	19,442	24,000	35,480	22,800	(1,200)	-5.00%
531120 - Retail Water Service	12,673	5,100	9,100	12,000	6,900	135.29%
531300 - Engin/Consultant Svc	2,000	6,000	6,000	2,000	(4,000)	-66.67%
531310 - Special Studies & Rpts	-	5,000	5,000	5,000	-	0.00%
531400 - Legal Service	1,853	1,000	1,000	1,000	-	0.00%
531700 - Advertising	81	125	-	-	(125)	-100.00%
531800 - Rent or Lease Payment	-	2,000	5,000	2,500	500	25.00%
531900 - Travel and Training	5,965	9,425	5,725	17,720	8,295	88.01%
532000 - Mem & Subscriptions	247	1,600	900	1,250	(350)	-21.88%
532100 - Vehicle Maint	44,261	65,000	40,000	55,000	(10,000)	-15.38%
532200 - Equipment Maintenance	50,219	29,000	79,000	50,000	21,000	72.41%
532300 - Postage	27	60	60	60	-	0.00%
532400 - Office Equip Maint	7,985	8,300	8,300	8,340	40	0.48%
532800 - Grounds Maintenance	14,500	13,080	13,080	13,080	-	0.00%
532850 - Building Maintenance	12,447	-	3,000	5,000	5,000	0.00%
533000 - Other Services	12,459	11,400	19,400	20,000	8,600	75.44%
533020 - Contract Labor	99,596	85,540	80,540	85,540	-	0.00%
533100 - Administration	7,910	6,620	6,620	5,930	(690)	-10.42%
533900 - Permits, Ins, & Lic Fees	1,016	1,060	1,060	2,150	1,090	102.83%
534000 - Uninsured losses	(1,000)	-	-	-	-	0.00%
Shared Services	245,569	323,415	321,415	284,855	(38,560)	-11.92%
<b>Services Total</b>	<b>\$ 601,574</b>	<b>\$ 661,510</b>	<b>\$ 704,465</b>	<b>\$ 684,100</b>	<b>\$ 22,590</b>	<b>3.41%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 149,600	\$ 160,000	\$ 152,390	\$ 640,000	\$ 480,000	300.00%
<b>Capital Outlay Total</b>	<b>\$ 149,600</b>	<b>\$ 160,000</b>	<b>\$ 152,390</b>	<b>\$ 640,000</b>	<b>\$ 480,000</b>	<b>300.00%</b>
<b>Grand Total</b>	<b>\$ 3,028,402</b>	<b>\$ 3,096,970</b>	<b>\$ 3,011,990</b>	<b>\$ 3,600,880</b>	<b>\$ 503,910</b>	<b>16.27%</b>

### Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$503,910 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Insurance and Retirement costs.
- Fuel, Oil and Lube decreased as a result of better efficiency in hauling payloads.
- Equipment Maintenance increased for repairs to the tampers.
- Tires and Tubes increased as a result of needing new tires for the wheel loader.
- Vehicle Equipment increased due to the needed replacement of some trucks and trailers.

## Parkway Transfer Station

### Overview

The primary mission is to provide solid waste processing for the Member Cities of Allen, Frisco, McKinney, Plano and Richardson. Parkway is one of three transfer stations owned and operated by NTMWD. Solid waste is collected by the Member Cities from residents and businesses and delivered to the transfer station. The waste is then discharged onto the floor and loaded onto larger NTMWD tractor-trailers and transported to the 121 RDF located in Melissa, Texas. This transfer process saves money through route efficiency and reduces traffic and vehicle emissions by ensuring that smaller waste collection vehicles do not have to travel the additional distance to the landfill.

The facility is located, designed, operated and monitored in full compliance with the regulations set forth by the TCEQ and the EPA. Only non-hazardous municipal solid waste is permitted for disposal. A used motor oil and filter drop off area allows residents to recycle those products. Also, there is a large/bulky item area for large appliance and metal recycling. The site is permitted to accept 770 tons per day, averaged over 365 days per year.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### **Service: Provide superior water, wastewater and solid waste services today and tomorrow**

- Provide superior processing and transportation of waste safely and reliably.
- Protect the environment and water quality.
- Maximize transfer trailer payload to minimize trips to the landfill.

#### **Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Continuously improve the short and long-term replacement scheduling forecasts to identify underutilized equipment and determine future vehicle and equipment needs.
- Continue to improve operational practices to maximize efficiency and to reduce budget costs.

#### **Partnership: Actively collaborate with members, customers, partners, employees and stakeholders**

- Continue communication with Member Cities, especially the City of Plano.
- Actively manage and build relationships within internal departments as well as external vendors.

#### **People: Build a talented, competent and committed team**

- Continue to offer training and education options to the entire team in order to stay informed of technological advancements.

### Major Budget Drivers

- Personnel, including overtime
- Fuel, Oil and Lubricants
- Vehicle Supplies
- Equipment and Vehicle Maintenance
- Vehicle Equipment

## Position Summary

### Parkway Transfer Station

Full-Time Positions	FY21	FY22	Difference
Administrative Technician	0.20	0.20	-
Assistant Deputy (Solid Waste)	0.20	0.20	-
Scale Operator	2.00	2.00	-
Solid Waste System Manager	0.25	-	(0.25)
Transfer Station Equipment Operator	3.00	3.00	-
Transfer Station Foreman	1.00	1.00	-
Transfer Station Manager	0.33	0.33	-
Transport Driver	10.00	10.00	-
<b>Total Full-Time Positions</b>	<b>16.98</b>	<b>16.73</b>	<b>(0.25)</b>

## Expense Detail

Parkway Transfer Station	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 928,780	\$ 941,010	\$ 906,055	\$ 901,995	\$ (39,015)	-4.15%
511060 - Overtime	214,864	270,000	270,000	250,000	(20,000)	-7.41%
512000 - Social Security	83,156	71,995	87,575	69,000	(2,995)	-4.16%
513000 - Workers' Comp Ins	49,582	40,950	49,800	35,730	(5,220)	-12.75%
513020 - Hospitalization Ins	196,326	217,230	211,185	199,400	(17,830)	-8.21%
513040 - Dental Ins	9,417	10,165	10,125	8,620	(1,545)	-15.20%
513060 - Life Ins	2,221	2,570	2,290	2,260	(310)	-12.06%
514000 - Retirement	150,230	138,485	138,485	170,765	32,280	23.31%
514010 - Retiree - Insurance	26,210	24,160	66,430	47,790	23,630	97.81%
514020 - Comp Absences-vacation	4,525	13,435	13,435	21,520	8,085	60.18%
514030 - Comp Absences-sick	-	44,750	44,750	8,680	(36,070)	-80.60%
515000 - Cell Phone Stipend	3,535	4,790	4,605	5,535	745	15.55%
<b>Personnel Total</b>	<b>\$ 1,668,847</b>	<b>\$ 1,779,540</b>	<b>\$ 1,804,735</b>	<b>\$ 1,721,295</b>	<b>\$ (58,245)</b>	<b>-3.27%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 1,417	\$ 1,280	\$ 1,280	\$ 1,280	-	0.00%
520110 - Computer Supplies	8,463	17,560	17,560	8,570	(8,990)	-51.20%
520300 - Clothing Supplies	6,000	6,050	6,050	9,870	3,820	63.14%
520600 - Fuel, Oil and Lube	204,717	251,340	216,340	258,840	7,500	2.98%
520630 - Toll Fees	37,537	50,000	40,000	36,000	(14,000)	-28.00%
520800 - Small Tools & Equip	883	500	500	500	-	0.00%
520810 - Fire Extinguishers	1,845	3,280	3,280	1,880	(1,400)	-42.68%
520900 - Janitorial Supplies	798	1,200	1,200	1,200	-	0.00%
521100 - Medical Supplies	108	200	200	200	-	0.00%
521110 - Safety Supplies	5,773	8,325	8,325	3,880	(4,445)	-53.39%
521200 - Chem - Other	12,000	12,000	12,000	12,000	-	0.00%
521400 - Electrical Supplies	1,125	1,000	1,000	1,000	-	0.00%
521500 - Mechanical Supplies	8,039	36,000	31,000	15,000	(21,000)	-58.33%
521700 - Building Supplies	2,382	3,000	3,000	3,000	-	0.00%
521900 - Vehicle Supplies	84,127	132,000	120,000	100,000	(32,000)	-24.24%
521910 - Tires and Tubes	114,220	119,000	119,000	119,000	-	0.00%
522000 - Equipment Supplies	105	-	-	-	-	0.00%
522200 - Road Maintenance Supplies	-	3,000	2,000	2,000	(1,000)	-33.33%



## Expense Detail (continued)

Parkway Transfer Station	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies (continued)</b>						
523000 - Other Supplies	\$ 908	\$ 2,400	\$ 1,400	\$ 1,200	\$ (1,200)	-50.00%
523660 - Small Plants Supplies	-	-	-	-	-	0.00%
525000 - Recovery - Supplies	-	-	-	-	-	0.00%
<b>Supplies Total</b>	<b>\$ 490,445</b>	<b>\$ 648,135</b>	<b>\$ 584,135</b>	<b>\$ 575,420</b>	<b>\$ (72,715)</b>	<b>-11.22%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 40,584	\$ 37,005	\$ 37,005	\$ 73,185	\$ 36,180	97.77%
530400 - Fire & Exten Cov Ins	685	815	815	1,020	205	25.15%
530900 - General Liability Ins	866	1,705	1,705	1,725	20	1.17%
531000 - Telephone	146	200	170	200	-	0.00%
531020 - Internet Service	2,349	4,020	3,020	3,600	(420)	-10.45%
531100 - Electric Power	34,574	21,000	45,940	21,000	-	0.00%
531120 - Retail Water Service	6,095	8,500	9,500	9,000	500	5.88%
531300 - Engin/Consultant Svc	1,200	5,200	5,400	1,400	(3,800)	-73.08%
531310 - Special Studies & Rpts	-	5,000	5,000	5,000	-	0.00%
531400 - Legal Service	930	100,000	75,000	100,000	-	0.00%
531700 - Advertising	-	6,100	6,100	6,100	-	0.00%
531800 - Rent or Lease Payment	1,601	1,500	1,500	1,500	-	0.00%
531900 - Travel and Training	3,161	3,795	3,080	4,195	400	10.54%
532100 - Vehicle Maint	46,863	119,000	79,000	85,000	(34,000)	-28.57%
532200 - Equipment Maintenance	21,420	26,500	26,500	30,000	3,500	13.21%
532300 - Postage	-	500	500	500	-	0.00%
532400 - Office Equip Maint	1,840	5,800	5,800	5,840	40	0.69%
532800 - Grounds Maintenance	6,285	6,320	6,320	6,795	475	7.52%
532850 - Building Maintenance	7,112	-	-	2,000	2,000	0.00%
533000 - Other Services	44,714	10,400	14,900	18,000	7,600	73.08%
533020 - Contract Labor	69,798	73,320	70,320	73,320	-	0.00%
533100 - Administration	6,210	6,475	6,475	6,645	170	2.63%
533900 - Permits, Ins, & Lic Fees	1,082	840	840	840	-	0.00%
534000 - Uninsured losses	(5,442)	-	1,000	-	-	0.00%
Shared Services	212,442	227,255	231,755	257,745	30,490	13.42%
<b>Services Total</b>	<b>\$ 504,515</b>	<b>\$ 671,250</b>	<b>\$ 637,645</b>	<b>\$ 714,610</b>	<b>\$ 43,360</b>	<b>6.46%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 723,121	\$ 870,000	\$ 866,720	\$ 480,000	\$ (390,000)	-44.83%
<b>Capital Outlay Total</b>	<b>\$ 723,121</b>	<b>\$ 870,000</b>	<b>\$ 866,720</b>	<b>\$ 480,000</b>	<b>\$ (390,000)</b>	<b>-44.83%</b>
<b>Grand Total</b>	<b>\$ 3,386,928</b>	<b>\$ 3,968,925</b>	<b>\$ 3,893,235</b>	<b>\$ 3,491,325</b>	<b>\$ (477,600)</b>	<b>-12.03%</b>

### Major FY22 Budget Items

The department's FY22 Proposed Budget has decreased by \$477,600 from the FY21 Original Budget. Major variances are explained below:

- Vehicle Equipment decreased due to fewer trucks and trailers needing to be purchased.
- Mechanical Supplies decreased as a result of fewer repairs needed due to newer equipment in service.
- Vehicle Supplies decreased due to downward trends.
- Personnel decreased as a result of restructuring of positions.
- Vehicle Maintenance decreased as a result of fewer repairs needed due to newer vehicles in service.

## Custer Road Transfer Station

### Overview

The primary mission is to provide solid waste processing for the Member Cities of Allen, Frisco, McKinney, Plano and Richardson. Custer is one of three transfer stations owned and operated by NTMWD. Solid waste is collected by the Member Cities from residents and businesses and delivered to the transfer station. The waste is then discharged onto the floor and loaded onto larger NTMWD tractor-trailers and transported to the 121 RDF located in Melissa, Texas. This transfer process saves money through route efficiency and reduces traffic and vehicle emissions by ensuring that smaller waste collection vehicles do not have to travel the additional distance to the landfill.

The facility is located, designed, operated and monitored in full compliance with the regulations set forth by the TCEQ and the EPA. Only non-hazardous municipal solid waste is permitted for disposal. A used motor oil and filter drop off area allows residents to recycle those products. Yard waste is directed to the brush grinding operation located on-site and operated by the City of Plano. Yard waste is ground to reduce the volume and transported to the 121 RDF compost site for processing as compost. The site is permitted to accept 1,900 tons per day.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### **Service: Provide superior water, wastewater and solid waste services today and tomorrow**

- Provide superior processing and transportation of waste safely and reliably.
- Protect the environment and water quality.
- Maximize transfer trailer payload to minimize trips to the landfill.

#### **Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Continuously improve the short and long-term replacement scheduling forecasts to identify underutilized equipment and determine future vehicle and equipment needs.
- Continue to improve operational practices to maximize efficiency and to reduce budget costs.

#### **Partnership: Actively collaborate with members, customers, partners, employees and stakeholders**

- Continue communication with Member Cities, especially the City of Plano.
- Actively manage and build relationships within internal departments as well as external vendors.

#### **People: Build a talented, competent and committed team**

- Continue to offer training and education options to the entire team in order to stay informed of technological advancements.

### Major Budget Drivers

- Personnel, including overtime
- Fuel, Oil and Lubricants
- Vehicle Equipment
- Vehicle Supplies
- Equipment and Vehicle Maintenance

## Position Summary

### Custer Transfer Station

Full-Time Positions	FY21	FY22	Difference
Administrative Technician	0.20	0.20	-
Assistant Deputy (Solid Waste)	0.20	0.20	-
Scale Operator	3.00	3.00	-
Solid Waste System Manager	0.25	-	(0.25)
Transfer Station Equipment Operator	4.00	4.00	-
Transfer Station Foreman	1.00	1.00	-
Transfer Station Manager	0.33	0.33	-
Transport Driver	15.00	15.00	-
<b>Total Full-Time Positions</b>	<b>23.98</b>	<b>23.73</b>	<b>(0.25)</b>

## Expense Detail

Custer Transfer Station	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 1,370,505	\$ 1,359,270	\$ 1,340,510	\$ 1,299,715	\$ (59,555)	-4.38%
511060 - Overtime	470,011	470,000	470,000	470,000	-	0.00%
512000 - Social Security	135,392	103,995	131,295	99,415	(4,580)	-4.40%
513000 - Workers' Comp Ins	83,892	62,490	76,670	53,005	(9,485)	-15.18%
513020 - Hospitalization Ins	309,360	324,380	288,570	303,835	(20,545)	-6.33%
513040 - Dental Ins	13,666	13,985	14,470	15,670	1,685	12.05%
513060 - Life Ins	3,410	3,690	3,180	3,245	(445)	-12.06%
514000 - Retirement	218,455	205,925	205,925	242,145	36,220	17.59%
514010 - Retiree - Insurance	38,115	35,925	35,925	67,770	31,845	88.64%
514020 - Comp Absences-vacation	14,290	15,140	15,140	10,350	(4,790)	-31.64%
514030 - Comp Absences-sick	11,515	15,665	15,665	12,150	(3,515)	-22.44%
515000 - Cell Phone Stipend	4,295	4,790	4,725	6,015	1,225	25.57%
<b>Personnel Total</b>	<b>\$ 2,672,906</b>	<b>\$ 2,615,255</b>	<b>\$ 2,602,075</b>	<b>\$ 2,583,315</b>	<b>\$ (31,940)</b>	<b>-1.22%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 1,390	\$ 1,300	\$ 1,300	\$ 1,400	\$ 100	7.69%
520110 - Computer Supplies	8,450	28,400	23,900	8,650	(19,750)	-69.54%
520300 - Clothing Supplies	9,162	11,860	11,860	14,130	2,270	19.14%
520600 - Fuel, Oil and Lube	390,762	379,810	359,810	402,760	22,950	6.04%
520630 - Toll Fees	79,653	85,000	80,000	80,000	(5,000)	-5.88%
520800 - Small Tools & Equip	692	500	1,500	500	-	0.00%
520810 - Fire Extinguishers	2,250	4,680	4,680	2,580	(2,100)	-44.87%
520900 - Janitorial Supplies	1,489	1,500	1,500	1,500	-	0.00%
521100 - Medical Supplies	108	500	250	250	(250)	-50.00%
521110 - Safety Supplies	7,264	12,475	12,475	6,160	(6,315)	-50.62%
521200 - Chem - Other	12,000	12,000	12,000	16,000	4,000	33.33%
521300 - Botanical Supplies	-	-	640	-	-	0.00%
521400 - Electrical Supplies	2,833	3,000	2,500	3,000	-	0.00%
521500 - Mechanical Supplies	29,691	2,800	42,800	40,000	37,200	1328.57%
521700 - Building Supplies	4,409	1,600	1,600	4,800	3,200	200.00%
521900 - Vehicle Supplies	193,946	142,500	142,500	135,000	(7,500)	-5.26%
521910 - Tires and Tubes	103,196	126,400	126,400	100,000	(26,400)	-20.89%

## Expense Detail (continued)

Custer Transfer Station	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies (continued)</b>						
522000 - Equipment Supplies	\$ 58	\$ -	\$ -	\$ -	-	0.00%
522200 - Road Maintenance Supplies	555	5,000	5,000	3,000	(2,000)	-40.00%
523000 - Other Supplies	3,410	6,000	3,500	1,500	(4,500)	-75.00%
<b>Supplies Total</b>	<b>\$ 851,319</b>	<b>\$ 825,325</b>	<b>\$ 834,215</b>	<b>\$ 821,230</b>	<b>\$ (4,095)</b>	<b>-0.50%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 79,675	\$ 64,550	\$ 64,550	\$ 156,290	\$ 91,740	142.12%
530400 - Fire & Exten Cov Ins	5,980	7,105	7,105	9,390	2,285	32.16%
530900 - General Liability Ins	1,575	2,370	2,370	2,445	75	3.16%
531000 - Telephone	5,659	3,600	3,600	2,760	(840)	-23.33%
531020 - Internet Service	1,089	1,800	1,800	1,980	180	10.00%
531100 - Electric Power	25,951	30,000	30,000	27,000	(3,000)	-10.00%
531120 - Retail Water Service	11,352	12,000	13,000	13,000	1,000	8.33%
531300 - Engin/Consultant Svc	12,300	10,800	35,800	3,300	(7,500)	-69.44%
531310 - Special Studies & Rpts	-	5,000	5,000	5,000	-	0.00%
531400 - Legal Service	50	500	500	500	-	0.00%
531700 - Advertising	72	-	-	-	-	0.00%
531800 - Rent or Lease Payment	-	1,500	1,500	1,500	-	0.00%
531900 - Travel and Training	4,086	4,330	4,330	5,530	1,200	27.71%
532100 - Vehicle Maint	100,223	154,800	94,800	110,000	(44,800)	-28.94%
532200 - Equipment Maintenance	29,673	29,000	49,000	40,000	11,000	37.93%
532300 - Postage	85	50	50	50	-	0.00%
532400 - Office Equip Maint	39,368	11,600	21,600	7,640	(3,960)	-34.14%
532800 - Grounds Maintenance	22,010	22,160	22,160	23,040	880	3.97%
532850 - Building Maintenance	5,141	-	14,000	8,000	8,000	0.00%
533000 - Other Services	66,017	21,800	21,800	27,000	5,200	23.85%
533020 - Contract Labor	126,454	134,420	126,920	134,420	-	0.00%
533100 - Administration	9,430	10,560	10,560	11,070	510	4.83%
533900 - Permits, Ins, & Lic Fees	350	1,240	1,240	1,775	535	43.15%
534000 - Uninsured losses	10,000	-	2,000	-	-	0.00%
Shared Services	414,448	357,485	360,985	386,845	29,360	8.21%
<b>Services Total</b>	<b>\$ 970,985</b>	<b>\$ 886,670</b>	<b>\$ 894,670</b>	<b>\$ 978,535</b>	<b>\$ 91,865</b>	<b>10.36%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 1,581,008	\$ 1,657,000	\$ 1,605,935	\$ 421,000	\$ (1,236,000)	-74.59%
542000 - Other Capital Outlay	133,800	435,000	568,965	340,000	(95,000)	-21.84%
<b>Capital Outlay Total</b>	<b>\$ 1,714,808</b>	<b>\$ 2,092,000</b>	<b>\$ 2,174,900</b>	<b>\$ 761,000</b>	<b>\$ (1,331,000)</b>	<b>-63.62%</b>
<b>Grand Total</b>	<b>\$ 6,210,018</b>	<b>\$ 6,419,250</b>	<b>\$ 6,505,860</b>	<b>\$ 5,144,080</b>	<b>\$ (1,275,170)</b>	<b>-19.86%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has decreased by \$1,275,170 from the FY21 Original Budget. Major variances are explained below:

- Personnel decreased as a result of restructuring of positions.
- Fuel, Oil and Lube increased due to higher trends on pricing for FY22.
- Mechanical Supplies increased to fix damage to tampers due to age and wear.
- Automotive Insurance increased due to higher premiums.
- Vehicle Maintenance decreased as a result of newer vehicles on site and downward trends.
- Vehicle Equipment decreased as fewer trucks needed to be purchased or replaced in FY22.
- Other Capital Outlay decreased due to less concrete repair needed to the north pit and compost road.

## Maxwell Creek Landfill

### Overview

The Maxwell Creek Landfill is a permanently closed facility and therefore no longer accepts waste. The facility began the TCEQ required minimum 30-year post-closure care period on July 5, 2006. During this time, NTMWD is responsible for maintaining the facility including performing twice-yearly groundwater monitoring, quarterly landfill gas probe monitoring, leachate disposal, site security, vegetation management and addressing erosion and lack of vegetation issues among other general upkeep activities.

### FY2022 Department Objectives (Supporting Strategic Goals)

**Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Protect the environment and water quality through proactive post-closure care oversight.

### Major Budget Drivers

- Groundwater Monitoring
- Grounds Maintenance - Contract

### Expense Detail

Maxwell Creek Landfill	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
531300 - Engin/Consultant Svc	\$ 40,131	\$ 37,195	\$ 37,195	\$ 35,515	\$ (1,680)	-4.52%
531400 - Legal Service	2,758	1,500	2,000	2,000	500	33.33%
532200 - Equipment Maintenance	-	750	750	750	-	0.00%
532300 - Postage	29	25	25	25	-	0.00%
532800 - Grounds Maintenance	15,756	16,120	16,120	16,120	-	0.00%
533000 - Other Services	7,800	-	-	-	-	0.00%
533100 - Administration	105	105	105	110	5	4.76%
Shared Services	2,391	8,150	18,150	17,870	9,720	119.26%
<b>Services Total</b>	<b>\$ 68,969</b>	<b>\$ 63,845</b>	<b>\$ 74,345</b>	<b>\$ 72,390</b>	<b>\$ 8,545</b>	<b>13.38%</b>
<b>Grand Total</b>	<b>\$ 68,969</b>	<b>\$ 63,845</b>	<b>\$ 74,345</b>	<b>\$ 72,390</b>	<b>\$ 8,545</b>	<b>13.38%</b>

### Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$8,545 from the FY21 Original Budget due to increased shared services allocations.



## McKinney Landfill

### Overview

The McKinney Landfill is a permanently closed facility ceasing waste acceptance on December 31, 2008. The facility began the TCEQ required minimum 30-year post-closure care period on June 18, 2014. During this time, NTMWD is responsible for maintaining the facility including performing twice yearly groundwater monitoring, quarterly landfill gas probe monitoring, leachate disposal, operating and maintaining the landfill gas collection system, site security, vegetation management and addressing erosion and lack of vegetation issues among other general upkeep activities. The landfill permit is held by NTMWD and the property is owned by the City of McKinney. NTMWD is granted access to the property through a Landfill Easement with the City of McKinney.

### FY2022 Department Objectives (Supporting Strategic Goals)

**Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Protect the environment and water quality through proactive post-closure care oversight.

**Partnership: Actively collaborate with members, customers, partners, employees and stakeholders**

- Continue communication with the City of McKinney regarding any post-closure care issues.

### Major Budget Drivers

- Groundwater monitoring
- Landfill gas collection and control system operation and maintenance

### Expense Detail

McKinney Landfill	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520110 - Computer Supplies	\$ -	\$ 1,320	\$ 1,020	\$ 1,200	\$ (120)	-9.09%
<b>Supplies Total</b>	<b>\$ -</b>	<b>\$ 1,320</b>	<b>\$ 1,020</b>	<b>\$ 1,200</b>	<b>\$ (120)</b>	<b>-9.09%</b>
<b>Services</b>						
531100 - Electric Power	\$ 8,071	\$ 6,800	\$ 67,430	\$ 12,000	\$ 5,200	76.47%
531300 - Engin/Consultant Svc	81,992	79,460	79,460	78,455	(1,005)	-1.26%
531400 - Legal Service	3,006	1,000	1,000	1,000	-	0.00%
532300 - Postage	27	30	30	30	-	0.00%
532800 - Grounds Maintenance	6,493	9,850	9,850	9,850	-	0.00%
533000 - Other Services	32,165	25,000	25,000	30,000	5,000	20.00%
Shared Services	8,877	8,270	8,270	8,715	445	5.38%
<b>Services Total</b>	<b>\$ 140,631</b>	<b>\$ 130,410</b>	<b>\$ 191,040</b>	<b>\$ 140,050</b>	<b>\$ 9,640</b>	<b>7.39%</b>
<b>Grand Total</b>	<b>\$ 140,631</b>	<b>\$ 131,730</b>	<b>\$ 192,060</b>	<b>\$ 141,250</b>	<b>\$ 9,520</b>	<b>7.23%</b>

### Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$9,520 from the FY21 Original Budget based on higher Electric Power and Other Services spending for maintenance of the final cap.

## 121 Regional Disposal Facility

### Overview

The primary mission is to provide solid waste disposal for the Member Cities of Allen, Frisco, McKinney, Plano and Richardson. In addition, the 121 RDF provides solid waste disposal services for Collin County, non-Member Cities from the surrounding area, and wastewater treatment plant biosolids from the majority of the NTMWD's WWTPs. The site accepts approximately one million tons of waste per year.

The landfill is designed to process and dispose of municipal solid waste safely and reliably while protecting the environment and water quality. The facility is located, designed, operated and monitored in full compliance with the regulations set forth by the TCEQ and the EPA. Only non-hazardous municipal solid waste is permitted for disposal. A used motor oil and filter drop off area allows residents to recycle those products. Also, there is a large/bulky item area for large appliances and metal recycling. A citizen's convenience center located on site provides a paved disposal area that safely allows for smaller residential vehicles to unload their material instead of disposing at the landfill's active working face.

There are multiple operations located on site. Composting, which diverts yard waste from the landfill, is performed on site by the City of Plano as a contractor to NTMWD. Also located on site is a high BTU gas plant through a contract with Melissa Renewables, LLC, a wholly owned subsidiary of Morrow Renewables. Morrow maintains the wellfield that captures gas generated by the decomposition of waste. The plant, built and operated by Morrow, cleans the captured landfill gas, removes the carbon dioxide and other impurities present and converts it to pipeline quality renewable natural gas where it is sold as a renewable fuel. NTMWD receives payment for the gas captured and a royalty on the revenue from the sale of the gas and various environmental credits which goes toward offsetting landfill operation costs. A Heavy Equipment Shop is located on site to perform repairs and maintenance on the heavy equipment used to operate the landfill. Additionally, the Fleet Maintenance Shop is located adjacent to the 121 RDF, which performs repairs and preventive maintenance on all transfer station and wastewater system biosolid transport vehicles and equipment.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### **Service: Provide superior water, wastewater and solid waste services today and tomorrow**

- Provide superior processing and disposal of waste safely and reliably.
- Protect the environment and water quality.
- Maximize landfill compaction density to extend the life of the landfill.

#### **Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Continuously improve the short and long-term replacement scheduling forecasts to identify underutilized equipment and determine future vehicle and equipment needs.
- Continue to improve operational practices to maximize efficiency and to reduce budget costs.

#### **Partnership: Actively collaborate with members, customers, partners, employees and stakeholders**

- Continue communication with Member Cities, City of Melissa and Collin County.
- Actively manage and build relationships within internal departments as well as external contractors.

#### **People: Build a talented, competent and committed team**

- Continue to offer training and education options to the entire team in order to stay well informed of technological advancements.

## Major Budget Drivers

- Overtime
- Fuel, Oil and Lubricants
- Vehicle Supplies
- Equipment Maintenance
- Vehicle Equipment

## Position Summary

### 121 Regional Disposal Facility

Full-Time Positions	FY21	FY22	Difference
Administrative Technician	0.20	0.20	-
Assistant Deputy (Solid Waste)	0.20	0.20	-
Heavy Equipment Operator	19.00	19.00	-
Landfill Manager	1.00	1.00	-
Landfill Scalehouse Coordinator	1.00	1.00	-
Landfill Spotter	1.00	1.00	-
Lead Heavy Equipment Operator	2.00	2.00	-
Parts Worker	1.00	1.00	-
Scale Operator	3.00	4.00	1.00
Scale Operator (Part-Time)	1.00	-	(1.00)
Solid Waste System Manager	0.25	-	(0.25)
Tipper Operator	1.00	1.00	-
<b>Total Full-Time Positions</b>	<b>30.65</b>	<b>30.40</b>	<b>(0.25)</b>

## Expense Detail

121 Regional Disposal Facility	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 1,788,716	\$ 1,783,885	\$ 1,635,575	\$ 1,763,540	\$ (20,345)	-1.14%
511060 - Overtime	317,771	370,000	370,000	370,000	-	0.00%
512000 - Social Security	150,680	136,480	155,940	134,780	(1,700)	-1.25%
513000 - Workers' Comp Ins	80,454	67,055	78,455	63,155	(3,900)	-5.82%
513020 - Hospitalization Ins	443,672	469,765	397,025	401,285	(68,480)	-14.58%
513040 - Dental Ins	21,275	22,655	20,260	18,720	(3,935)	-17.37%
513060 - Life Ins	4,414	4,860	4,055	4,375	(485)	-9.98%
514000 - Retirement	324,255	262,560	262,560	321,795	59,235	22.56%
514010 - Retiree - Insurance	56,570	45,810	129,580	90,060	44,250	96.59%
514020 - Comp Absences-vacation	7,330	12,765	12,765	2,260	(10,505)	-82.30%
515000 - Cell Phone Stipend	1,336	1,750	1,570	2,015	265	15.14%
<b>Personnel Total</b>	<b>\$ 3,196,474</b>	<b>\$ 3,177,585</b>	<b>\$ 3,067,785</b>	<b>\$ 3,171,985</b>	<b>\$ (5,600)</b>	<b>-0.18%</b>

## Expense Detail (continued)

121 Regional Disposal Facility	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520100 - Office Supplies	\$ 9,476	\$ 7,225	\$ 7,225	\$ 9,225	\$ 2,000	27.68%
520110 - Computer Supplies	31,915	22,345	22,345	28,195	5,850	26.18%
520300 - Clothing Supplies	11,477	9,750	9,750	15,280	5,530	56.72%
520600 - Fuel, Oil and Lube	733,970	767,860	707,860	834,640	66,780	8.70%
520630 - Toll Fees	127	100	100	100	-	0.00%
520800 - Small Tools & Equip	21,242	7,000	7,000	7,000	-	0.00%
520810 - Fire Extinguishers	1,727	13,375	13,375	13,375	-	0.00%
520900 - Janitorial Supplies	6,310	620	2,620	2,000	1,380	222.58%
521100 - Medical Supplies	385	280	280	280	-	0.00%
521110 - Safety Supplies	33,262	28,335	27,335	15,375	(12,960)	-45.74%
521200 - Chem - Other	68,447	116,600	116,600	69,600	(47,000)	-40.31%
521400 - Electrical Supplies	3,117	2,000	2,000	2,000	-	0.00%
521500 - Mechanical Supplies	22,323	3,000	13,000	10,000	7,000	233.33%
521700 - Building Supplies	9,900	1,000	1,000	1,000	-	0.00%
521900 - Vehicle Supplies	370,005	522,500	472,500	390,000	(132,500)	-25.36%
521910 - Tires and Tubes	118,154	74,190	74,190	74,190	-	0.00%
522000 - Equipment Supplies	1,308	3,000	2,000	2,500	(500)	-16.67%
522100 - Welding Supplies	6,716	7,000	5,000	5,000	(2,000)	-28.57%
522200 - Road Maint Supplies	331,282	240,000	240,000	240,000	-	0.00%
523000 - Other Supplies	105,975	229,850	179,850	266,750	36,900	16.05%
<b>Supplies Total</b>	<b>\$ 1,887,121</b>	<b>\$ 2,056,030</b>	<b>\$ 1,904,030</b>	<b>\$ 1,986,510</b>	<b>\$ (69,520)</b>	<b>-3.38%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 72,316	\$ 74,665	\$ 74,665	\$ 110,140	\$ 35,475	47.51%
530400 - Fire & Exten Cov Ins	764	735	735	1,840	1,105	150.34%
530520 - Financial Assur Bond/Ins	1,200	1,200	1,200	1,200	-	0.00%
530900 - General Liability Ins	2,970	4,155	4,155	3,485	(670)	-16.13%
531000 - Telephone	4,348	4,740	4,740	4,740	-	0.00%
531020 - Internet Service	77,142	81,600	85,800	85,500	3,900	4.78%
531100 - Electric Power	29,915	14,400	18,450	14,400	-	0.00%
531120 - Retail Water Service	340,622	198,060	548,060	198,060	-	0.00%
531200 - Bank Service Fees	72	100	100	100	-	0.00%
531210 - Bank Card Service Fees	57,760	50,400	60,400	60,000	9,600	19.05%
531300 - Engin/Consultant Svc	548,386	373,820	373,820	317,520	(56,300)	-15.06%
531310 - Special Studies & Rpts	-	25,000	25,000	25,000	-	0.00%
531400 - Legal Service	27,943	20,000	26,000	22,000	2,000	10.00%
531700 - Advertising	6,233	125	6,125	125	-	0.00%
531800 - Rent or Lease Payment	9,586	-	33,110	3,000	3,000	0.00%
531900 - Travel and Training	7,008	7,700	7,700	16,700	9,000	116.88%
532100 - Vehicle Maint	50,720	4,000	4,000	4,000	-	0.00%
532200 - Equipment Maintenance	960,250	700,000	1,300,000	950,000	250,000	35.71%
532250 - Cap Cont-City of Melissa	320,000	320,000	320,000	320,000	-	0.00%
532300 - Postage	731	120	320	350	230	191.67%
532400 - Office Equip Maint	10,174	12,000	11,000	12,000	-	0.00%
532800 - Grounds Maintenance	38,847	40,800	49,325	96,300	55,500	136.03%

## Expense Detail (continued)

121 Regional Disposal Facility	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services (continued)</b>						
532850 - Building Maintenance	\$ 26,708	\$ 2,000	\$ 2,000	\$ 2,000	\$ -	0.00%
533000 - Other Services	218,418	209,560	193,450	207,560	(2,000)	-0.95%
533020 - Contract Labor	150,615	139,780	159,780	144,300	4,520	3.23%
533100 - Administration	30,355	27,165	27,165	24,665	(2,500)	-9.20%
533900 - Permits, Ins, & Lic Fees	645,777	955,575	855,575	885,075	(70,500)	-7.38%
533920 - Regulatory Fees & Asses	10,896	15,650	459,650	10,650	(5,000)	-31.95%
534000 - Uninsured losses	(605)	-	785	-	-	0.00%
534300 - Composting Services	700,418	630,720	580,720	624,360	(6,360)	-1.01%
Shared Services	841,921	1,026,635	1,024,635	1,096,965	70,330	6.85%
<b>Services Total</b>	<b>\$ 5,191,489</b>	<b>\$ 4,940,705</b>	<b>\$ 6,258,465</b>	<b>\$ 5,242,035</b>	<b>\$ 301,330</b>	<b>6.10%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 934,429	\$ 2,557,000	\$ 2,368,775	\$ 3,065,000	\$ 508,000	19.87%
540700 - Non-Vehicle Equipment	221,605	308,100	589,690	557,850	249,750	81.06%
541500 - Landfill Devel Cost	1,317,528	-	-	-	-	0.00%
<b>Capital Outlay Total</b>	<b>\$ 2,473,562</b>	<b>\$ 2,865,100</b>	<b>\$ 2,958,465</b>	<b>\$ 3,622,850</b>	<b>\$ 757,750</b>	<b>26.45%</b>
<b>Grand Total</b>	<b>\$12,748,646</b>	<b>\$13,039,420</b>	<b>\$14,188,745</b>	<b>\$14,023,380</b>	<b>\$ 983,960</b>	<b>7.55%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$983,960 from the FY21 Original Budget. Major variances are explained below:

- Fuel, Oil and Lube increased based on higher fuel bid pricing.
- Grounds Maintenance - Contract increased due to xeriscaping front entrance to eliminate watering.
- Vehicle Supplies decreased due to downward trends from previous years' actuals.
- Vehicle Equipment increased for the replacement of a compactor, truck, dozer, motor grader and ADT.
- Non-Vehicle Equipment increased as a result of installation of new truck wash.
- Equipment Maintenance increased due to age of equipment needing higher maintenance and previous years' actual costs.

## Fleet Maintenance Shop

### Overview

The mission of the Fleet Maintenance Shop is to provide the employees of the District with safe, dependable vehicles, equipment and service facilities. The department's goal is to work in partnership with customers and employees to provide high quality products and services in a cost-effective manner.

This department includes the Fleet Maintenance Shop, Heavy Equipment Shop and Wylie Service Center. The Fleet Maintenance Shop is located adjacent to the 121 RDF. The Heavy Equipment Shop is located at the 121 RDF site. The Wylie Service Center is located at the Wylie WTP. Staff at the Fleet Maintenance Shop perform repairs and preventive maintenance on all transfer station and wastewater system sludge transport vehicles and equipment. The Heavy Equipment Shop performs repairs and maintenance on the heavy equipment used to operate the landfill. The Wylie Service Center staff performs preventive maintenance and minor repairs on all other District vehicles. Charges for services to non-Solid Waste vehicles and equipment are credited back to the Solid Waste System.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### **Service: Provide superior water, wastewater and solid waste services today and tomorrow**

- Provide superior maintenance and repair of District vehicles and equipment.
- Administer asset management, budgeting and reporting, including vehicle and equipment replacement, scheduling and forecasting.
- Manage fuel, fuel system, consumables tracking and reporting.
- Develop specifications for procurement of vehicles and equipment with interdepartmental involvement to provide the most effective equipment for their operations.

#### **Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Continuously improve the short and long-term replacement scheduling forecasts to identify underutilized equipment and determine future vehicle and equipment needs for each department.
- Continue to provide the highest quality fleet services in an efficient, safe, timely and cost-effective manner.

#### **Partnership: Actively collaborate with members, customers, partners, employees and stakeholders**

- Actively manage and build relationships within internal departments as well as external vendors.

#### **People: Build a talented, competent and committed team**

- Continue to offer training and education options to the entire fleet team in order to stay as well informed of technological advancements and modern repair practices.

### Major Budget Drivers

- Personnel
- Fleet Management Information System and Fuel System annual support and upgrades

## Position Summary

### Fleet Maintenance Shop

Full-Time Positions	FY21	FY22	Difference
Administrative Technician	0.2	0.2	-
Assistant Deputy (Solid Waste)	0.2	0.2	-
Fleet Administrator	1.0	1.0	-
Fleet Maintenance Equipment Mechanic	8.0	-	(8.0)
Fleet Maintenance Equipment Technician	-	8.0	8.0
Fleet Maintenance Shop Assistant	5.0	5.0	-
Fleet Maintenance Shop Foreman	2.0	2.0	-
Fleet Maintenance Shop Supervisor	1.0	1.0	-
Fleet Manager	1.0	1.0	-
Heavy Equipment Mechanic	4.0	-	(4.0)
Heavy Equipment Shop Foreman	1.0	1.0	-
Heavy Equipment Technician	-	4.0	4.0
Information Systems Assistant	1.0	1.0	-
Lead Fleet Maintenance Equipment Mechanic	1.0	-	(1.0)
Lead Fleet Maintenance Equipment Technician	-	1.0	1.0
Welder	1.0	1.0	-
<b>Total Full-Time Positions</b>	<b>26.4</b>	<b>26.4</b>	<b>-</b>

## Expense Detail

Fleet Maintenance Shop	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 1,391,588	\$ 1,532,680	\$ 1,465,420	\$ 1,604,830	\$ 72,150	4.71%
511060 - Overtime	119,741	132,000	132,000	132,000	-	0.00%
512000 - Social Security	110,323	117,245	118,135	122,765	5,520	4.71%
513000 - Workers' Comp Ins	44,678	45,145	46,250	40,740	(4,405)	-9.76%
513010 - Unemployment Ins	2,746	-	-	-	-	0.00%
513020 - Hospitalization Ins	279,813	336,660	300,175	338,500	1,840	0.55%
513040 - Dental Ins	15,027	17,090	16,840	16,460	(630)	-3.69%
513060 - Life Ins	3,339	4,175	3,710	3,950	(225)	-5.39%
514000 - Retirement	194,730	234,815	234,815	285,465	50,650	21.57%
514010 - Retiree - Insurance	33,975	40,965	85,720	79,895	38,930	95.03%
514020 - Comp Absences-vacation	12,060	-	-	1,530	1,530	0.00%
514030 - Comp Absences-sick	2,655	1,025	1,025	3,630	2,605	254.15%
515000 - Cell Phone Stipend	8,416	10,630	10,780	11,135	505	4.75%
<b>Personnel Total</b>	<b>\$ 2,219,092</b>	<b>\$ 2,472,430</b>	<b>\$ 2,414,870</b>	<b>\$ 2,640,900</b>	<b>\$ 168,470</b>	<b>6.81%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 5,488	\$ 4,520	\$ 4,520	\$ 4,520	-	0.00%
520110 - Computer Supplies	45,458	61,395	61,395	59,660	(1,735)	-2.83%
520300 - Clothing Supplies	12,353	19,915	14,915	16,660	(3,255)	-16.34%
520600 - Fuel, Oil and Lube	11,667	30,340	18,340	21,600	(8,740)	-28.81%
520620 - Fuel Control	28,827	-	-	-	-	0.00%
520630 - Toll Fees	863	1,000	1,000	1,000	-	0.00%
520800 - Small Tools & Equip	29,719	34,205	34,205	59,850	25,645	74.97%
520810 - Fire Extinguishers	-	1,200	1,200	1,200	-	0.00%



## Expense Detail (continued)

Fleet Maintenance Shop	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies (continued)</b>						
520820 - Expendable Supplies	\$ 4,159	\$ 5,590	\$ 5,590	\$ 5,590	\$ -	0.00%
520900 - Janitorial Supplies	1,651	4,700	4,700	4,700	-	0.00%
521100 - Medical Supplies	195	600	600	600	-	0.00%
521110 - Safety Supplies	9,138	10,385	10,385	10,180	(205)	-1.97%
521400 - Electrical Supplies	235	2,500	2,500	5,500	3,000	120.00%
521700 - Building Supplies	1,934	3,000	4,200	4,500	1,500	50.00%
521900 - Vehicle Supplies	3,107	5,400	5,400	5,400	-	0.00%
521910 - Tires and Tubes	4,244	3,000	3,000	3,000	-	0.00%
522000 - Equipment Supplies	3,620	8,300	3,900	3,500	(4,800)	-57.83%
522100 - Welding Supplies	10,069	9,000	9,500	9,000	-	0.00%
522200 - Road Maintenance Supplies	-	25,400	5,000	7,500	(17,900)	-70.47%
<b>Supplies Total</b>	<b>\$ 172,726</b>	<b>\$ 230,450</b>	<b>\$ 190,350</b>	<b>\$ 223,960</b>	<b>\$ (6,490)</b>	<b>-2.82%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 9,872	\$ 9,215	\$ 9,215	\$ 11,250	\$ 2,035	22.08%
530400 - Fire & Exten Cov Ins	4,677	5,555	5,555	7,865	2,310	41.58%
530900 - General Liability Ins	2,072	-	-	-	-	0.00%
531000 - Telephone	1,241	5,355	3,045	1,395	(3,960)	-73.95%
531020 - Internet Service	2,420	5,400	3,835	3,960	(1,440)	-26.67%
531100 - Electric Power	32,478	66,000	76,820	64,000	(2,000)	-3.03%
531120 - Retail Water Service	-	-	335	400	400	0.00%
531300 - Engin/Consultant Svc	3,000	2,000	1,500	2,000	-	0.00%
531400 - Legal Service	2,943	1,200	500	1,200	-	0.00%
531700 - Advertising	174	175	575	400	225	128.57%
531900 - Travel and Training	6,805	15,415	7,900	45,015	29,600	192.02%
532000 - Mem & Subscriptions	2,441	3,700	3,900	3,800	100	2.70%
532100 - Vehicle Maint	1,256	3,000	3,000	3,000	-	0.00%
532200 - Equipment Maintenance	6,576	3,000	3,000	3,000	-	0.00%
532300 - Postage	116	75	50	75	-	0.00%
532850 - Building Maintenance	17,620	10,900	10,900	16,400	5,500	50.46%
533000 - Other Services	23,344	58,435	68,435	69,535	11,100	19.00%
533100 - Administration	5,100	5,005	5,005	5,210	205	4.10%
Shared Services	299,532	329,215	327,215	407,475	78,260	23.77%
<b>Services Total</b>	<b>\$ 421,666</b>	<b>\$ 523,645</b>	<b>\$ 530,785</b>	<b>\$ 645,980</b>	<b>\$ 122,335</b>	<b>23.36%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 196,051	\$ 27,500	\$ 31,585	\$ -	\$ (27,500)	-100.00%
540700 - Non-Vehicle Equipment	14,244	51,000	58,000	-	(51,000)	-100.00%
<b>Capital Outlay Total</b>	<b>\$ 210,295</b>	<b>\$ 78,500</b>	<b>\$ 89,585</b>	<b>\$ -</b>	<b>\$ (78,500)</b>	<b>-100.00%</b>
<b>Grand Total</b>	<b>\$ 3,023,779</b>	<b>\$ 3,305,025</b>	<b>\$ 3,225,590</b>	<b>\$ 3,510,840</b>	<b>\$ 205,815</b>	<b>6.23%</b>

**Major FY21 Budget Items**

The department's FY22 Proposed Budget has increased by \$205,815 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Wages, Insurance and Retirement Costs.
- Vehicle and Non - Vehicle Equipment decreased due to no need for additional purchases in FY22.
- Travel and Training increased as a result of needed training for Service Truck Boom Operator and Overhead Crane Operator Course for 8 technicians.

# SHARED SERVICES FUND



Environmental Services / Laboratory Building



## Shared Services Fund

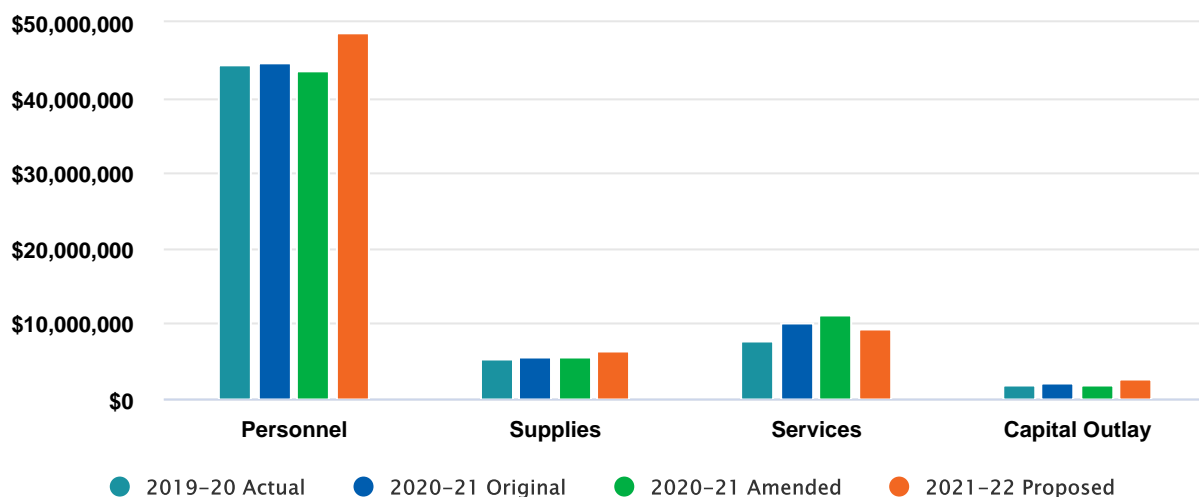
The Shared Services Fund is comprised of multiple departments that provide common or shared essential services to the Regional Water, Regional Wastewater, Upper East Fork Interceptor, Sewer and Regional Solid Waste Operating Systems.

The Shared Service departments are as follows:

- Accounting
- Communications
- Control Systems
- Engineering
- Environmental Services
- Facilities Services
- Finance
- General
- Human Resources
- Information Technology
- Laboratory
- Permitting
- Purchasing
- Records
- Regulatory Compliance
- Safety
- Technical Services

The Shared Services Fund departments have a total of 406 employees. Detailed position counts are shown within each of the departmental executive summaries.

### SHARED SERVICES FUND EXPENDITURES BY CATEGORY



### Expenditures

	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Personnel	\$ 44,488,151	\$ 44,621,140	\$ 43,604,030	\$ 48,586,475	\$ 3,965,335	8.89%
Supplies	5,323,564	5,499,270	5,649,765	6,449,405	950,135	17.28%
Services	7,647,715	10,142,860	11,185,450	9,350,600	(792,260)	-7.81%
Capital Outlay	1,898,774	2,128,000	1,818,710	2,755,750	627,750	29.50%
<b>Total</b>	<b>\$ 59,358,204</b>	<b>\$ 62,391,270</b>	<b>\$ 62,257,955</b>	<b>\$ 67,142,230</b>	<b>\$ 4,750,960</b>	<b>7.61%</b>



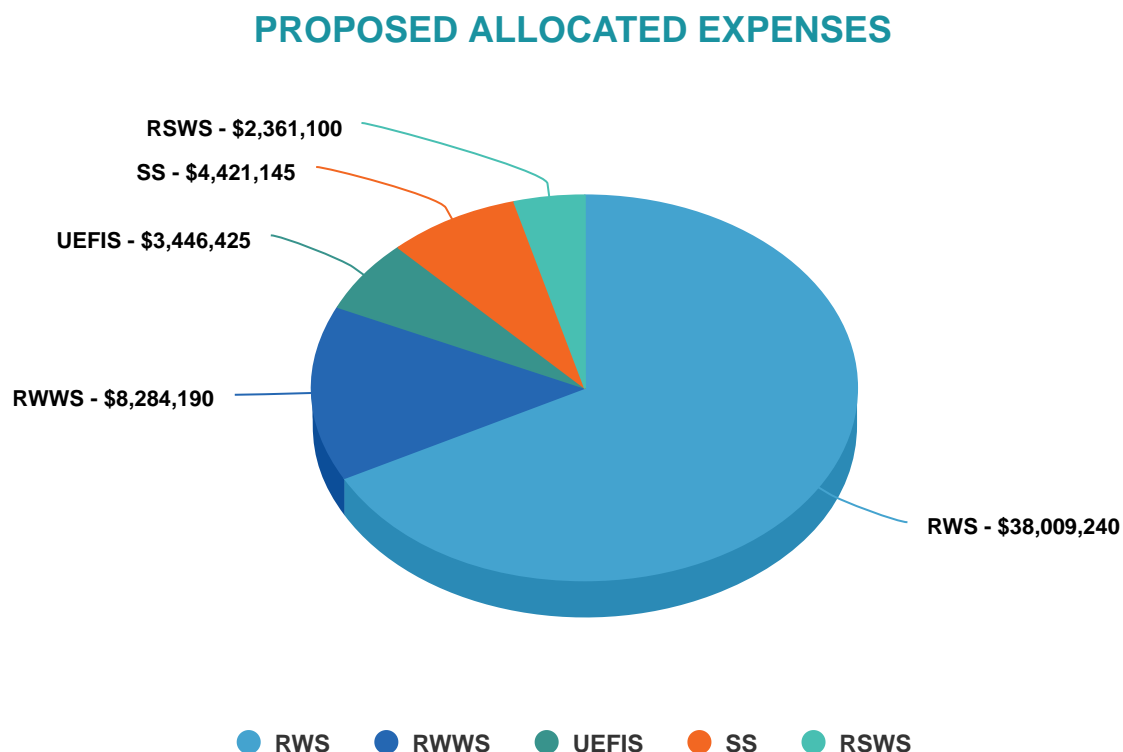
The FY21 Amended Budget for expenditures totals \$62,257,955 which is \$133,315 or 0.21% less than the Original Budget of \$62,391,270 . Shared Services Fund expenditures for FY22 are \$67,142,230 , which is \$4,750,960 or 7.61% greater than the FY21 Budget. Major budget variances are explained below:

- Increase of \$3,965,335 for Personnel due to employee raises, higher retirement costs and to fund three new positions for various Shared Services departments.
- Increase in Supplies of \$950,135 for Computer Supplies for a cyber network monitoring tool and Small Tools & Equipment to stock the new maintenance building at the Leonard WTP.
- Increase of \$627,750 in Capital Outlay to purchase a new large hydraulic excavator, a lowboy trailer for the excavator, a roll off trailer for containers and to replace other non-vehicle equipment.
- Decrease of (\$792,260) in Services due to lower legal service costs.

## Cost Allocation

The Shared Services Fund is an internal service fund and all expenses must be allocated to the Operating Systems. The cost allocations are both Direct and Indirect. For the Direct Costs each operating system budgets for expected direct expenses based on historicals and trends. Each year, as part of the budgeting process, the District reviews its Indirect Cost allocations to ensure that appropriate Shared Services fund expenses are allocated to the appropriate Operating System. The review is multi-faceted and includes department specific metrics as well as manager input to determine the allocation amounts and percentages. Throughout the year, the Finance department reviews budgeted to actual expenses within the Shared Services Fund and determines if any adjustments are needed.

The following chart represents where the Shared Services Fund expenses are expected to be allocated this year:



## General Department

### Overview

Serving as the executive office of the District, the General Department directs and oversees the strategic planning process, as well as communicates and implements the policies of the NTMWD Board of Directors. The General Department also provides funding for the Board of Directors. Through its allocation of resources, the department administers and oversees the delivery and quality of operational programs and services that support the mission.

### FY2022 Department Objectives (Supporting Strategic Goals)

**Service: Provide superior water, wastewater and solid waste services today and tomorrow**

- Provide oversight and support to organization-wide strategic goals and objectives.

**Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Establish a district wide standardization process for materials and specifications.

**Partnership: Actively collaborate with members, customers, partners, employees and stakeholders**

- Engage and regularly advocate with elected officials and stakeholders in support of NTMWD's goals.
- Continue to support and guide NTMWD's policy development and review processes.
- Conduct Board, Special-Called Board, Committee and Workshop meetings, as necessary and appropriate.

**People: Build a talented, competent and committed team**

- Set the tone, values and culture of the organization and manage internal communications.
- Support HR initiatives to develop career paths for employees.
- Create and implement a District-wide succession plan.

### Major Budget Drivers

- Personnel

### Position Summary

General Department			
Full-Time Positions	FY21	FY22	Difference
Administrative Assistant (Sr. Admin Assistant- In Lieu Of)	1.00	-	(1.00)
Board Administrative Support Specialist	-	1.00	1.00
Board Liason & Assistant to the General Manager	-	1.00	1.00
Deputy Director (Administrative Services)	1.00	1.00	-
Deputy Director (Engineering & CIP)	1.00	1.00	-
Deputy Director (Operations & Maintenance)	1.00	-	(1.00)
Deputy Director (Solid Waste & Integrated Services)	-	1.00	1.00
Deputy Director (Water & Wastewater)	-	1.00	1.00
Energy Program Manager	1.00	1.00	-
Executive Administrative Assistant	1.00	2.00	1.00
Executive Assistant	1.00	-	(1.00)
Executive Director / General Manager	1.00	1.00	-
Government Relations Advisor	1.00	1.00	-
Process Improvement Advisor	1.00	1.00	-
Senior Administrative Assistant	1.00	-	(1.00)
Special Projects Manager	1.00	1.00	-
<b>Total Full-Time Positions</b>	<b>12.00</b>	<b>13.00</b>	<b>1.00</b>



## Expense Detail

General Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 2,149,093	\$ 1,941,685	\$ 1,835,670	\$ 2,330,230	\$ 388,545	20.01%
511070 - Board of Directors	115,800	125,000	125,000	125,000	-	0.00%
511080 - Special Wage Payment	3,600	3,600	3,600	3,600	-	0.00%
512000 - Social Security	137,736	114,650	125,670	134,395	19,745	17.22%
513000 - Workers' Comp Ins	3,308	3,205	3,290	3,305	100	3.12%
513020 - Hospitalization Ins	174,300	176,660	144,460	214,940	38,280	21.67%
513040 - Dental Ins	8,771	9,655	7,825	11,275	1,620	16.78%
513060 - Life Ins	4,406	4,805	3,440	5,190	385	8.01%
514000 - Retirement	357,697	368,450	368,450	439,450	71,000	19.27%
514010 - Retiree - Insurance	38,360	39,205	39,205	82,755	43,550	111.08%
514020 - Comp Absences-vacation	-	87,665	87,665	42,935	(44,730)	-51.02%
514030 - Comp Absences-sick	-	90,465	90,465	38,210	(52,255)	-57.76%
515000 - Cell Phone Stipend	5,560	5,760	4,720	6,240	480	8.33%
<b>Personnel Total</b>	<b>\$ 2,998,631</b>	<b>\$ 2,970,805</b>	<b>\$ 2,839,460</b>	<b>\$ 3,437,525</b>	<b>\$ 466,720</b>	<b>15.71%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 1,824	\$ 4,050	\$ 4,050	\$ 4,050	\$ -	0.00%
520110 - Computer Supplies	13,588	9,650	9,650	9,650	-	0.00%
520200 - Xerox Supplies	39,221	30,000	30,000	30,000	-	0.00%
520300 - Clothing Supplies	20	-	-	-	-	0.00%
520600 - Fuel, Oil and Lube	581	1,750	1,750	1,750	-	0.00%
520630 - Toll Fees	32	200	200	200	-	0.00%
521110 - Safety Supplies	318	-	-	-	-	0.00%
521700 - Building Supplies	7,837	9,800	9,800	9,800	-	0.00%
521900 - Vehicle Supplies	165	220	220	220	-	0.00%
521910 - Tires and Tubes	-	500	500	500	-	0.00%
<b>Supplies Total</b>	<b>\$ 63,587</b>	<b>\$ 56,170</b>	<b>\$ 56,170</b>	<b>\$ 56,170</b>	<b>\$ -</b>	<b>0.00%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 1,237	\$ 1,195	\$ 1,195	\$ 1,280	\$ 85	7.11%
530400 - Fire & Exten Cov Ins	16,860	20,035	20,035	25,120	5,085	25.38%
530500 - Employee Bonds	7,944	10,425	10,425	11,990	1,565	15.01%
530510 - Directors & Officers Ins	166,242	178,010	178,010	185,030	7,020	3.94%
531020 - Internet Service	16,805	18,720	18,720	18,720	-	0.00%
531100 - Electric Power	33,349	40,000	51,465	40,000	-	0.00%
531110 - Nat Gas, Butane & Kero	14,360	19,000	19,000	19,000	-	0.00%
531120 - Retail Water Service	5,574	3,500	3,500	3,500	-	0.00%
531300 - Engin/Consultant Svc	50,977	90,000	90,000	120,000	30,000	33.33%
531310 - Special Studies & Rpts	14,000	90,000	90,000	90,000	-	0.00%
531400 - Legal Service	51,940	82,000	82,000	300,000	218,000	265.85%
531410 - Legal Service, P.A.	1,432,334	1,830,000	1,230,000	-	(1,830,000)	-100.00%
531490 - Raw Water Development	118,284	475,000	475,000	475,000	-	0.00%
531500 - Planning & Development	621,527	160,600	160,600	-	(160,600)	-100.00%

## Expense Detail (continued)

General Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services (continued)</b>						
531600 - Printing & Binding	\$ 226	\$ 500	\$ 500	\$ 500	\$ -	0.00%
531900 - Travel and Training	40,202	162,780	162,780	162,780	-	0.00%
532000 - Mem & Subscriptions	149,177	158,760	158,760	158,760	-	0.00%
532100 - Vehicle Maint	17	500	500	500	-	0.00%
532110 - Veh Maint by Solid Waste	376	200	200	200	-	0.00%
532300 - Postage	19,895	20,000	20,000	20,000	-	0.00%
532850 - Building Maintenance	16,075	1,600	1,600	1,600	-	0.00%
533000 - Other Services	533	-	-	-	-	0.00%
533030 - Contractual Safety Serv	1,450	3,560	3,560	3,560	-	0.00%
<b>Services Total</b>	<b>\$ 2,779,383</b>	<b>\$ 3,366,385</b>	<b>\$ 2,777,850</b>	<b>\$ 1,637,540</b>	<b>\$ (1,728,845)</b>	<b>-51.36%</b>
<b>Grand Total</b>	<b>\$ 5,841,602</b>	<b>\$ 6,393,360</b>	<b>\$ 5,673,480</b>	<b>\$ 5,131,235</b>	<b>\$ (1,262,125)</b>	<b>-19.74%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has decreased by \$1,262,125 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Wages, Insurance and Retirement Costs.
- Legal Fees decreased due to the settlement of the PUC Rate case.

## Communications Department

### Overview

The Communications Department is responsible for the planning, development, implementation and management of the NTMWD overall strategic communications, public information, corporate communications and organization branding, including Member City and Customer communication resources, issues analysis and management, public outreach/engagement, media relations, online presence and governmental/partner agency relations support. The department provides public relations and issues management counsel to executive leaders, managers and Board of Directors on internal and external communications in support of organization goals, programs and projects. Communications plans and develops communications strategies, messages, branding, informational materials, online information, presentations and events. Through these avenues, the Communications department helps keep the public and key stakeholders informed, build trust and understanding of operations, and advance NTMWD goals, initiatives, policies, programs and projects.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### **Partnership: Actively collaborate with members, customers, partners, employees and stakeholders**

- The Communications Department objectives mirror those across the organization as effective communication is critical for successful implementation of all NTMWD initiatives, programs and projects, and the public expects transparency and timely information about NTMWD and its operations. Key areas of focus requiring Communications' support for FY22 include:
  - NTMWD leadership and partner agency communications
  - Bois d'Arc Lake, Sister Grove RWRRF and other major capital project plans, permits, land acquisition and construction for all three services
  - Water quality compliance and treatment processes
  - Budget, rates/costs, cost drivers and efficiencies
  - Various operations initiatives and workforce communications
  - Safety and emergency/crisis response
  - Strategic communication and outreach plans for both external and internal stakeholders
- The Public Education and Outreach division provides awareness, engagement and conservation resources to support positive behavior-changing efforts across NTMWD's services while emphasizing our regional water, wastewater and solid waste services.
  - Increase knowledge and understanding within NTMWD's service area of the role of water in the sustainability and growth through various programs including One Water and the Value of Water.
  - Support public education programs and community outreach in partnership with our Member Cities and Customers to affect positive behavior change in consumers.
  - Continue NTMWD's programs and education initiatives including regional and local campaigns, Water4Otter, WaterMyYard, Pledge to Plant Smart, Defend Your Drains, Doo The Right Thing and Clean-Drain-Dry and the Industrial, Commercial, Institutional & Multifamily (ICIM) programs.
  - Continue collaboration with Texas A&M Agrilife Extension, Master Gardners, NCTCOG and horticulture professionals to provide proven landscape best management practices for publications, community, education classes and WaterMyYard irrigation tool to aid in a reduction of water use.
  - Provide water conservation consistency of initiatives and common messaging throughout the region. NTMWD has developed partnerships with Member Cities and Customers through the development of NTMWD's Water Conservation Plan, Water Resource and Emergency Management Plan, Model Water Conservation Plan and Water Resource and Emergency Management Plan.

## Major Budget Drivers

- Key public information tools include: website, fact sheets, social media, e-newsletters, displays, publications (annual report and water quality report), videos, photos, infographics, newspaper and online ads for projects/initiatives and public notices; direct mail postcards; signage; and applications or abstracts for industry presentations, awards and recognitions.
- Tours, outreach and partnering events for Board of Directors, partner agencies, legislators, Member City and Customer officials, staff, community leaders and businesses.
- Open houses and informational updates for property owners and neighbors near NTMWD projects in coordination with regulatory agencies, as well as local officials and staff.
- Consultant support for crisis communications, emergency response and media relations.
- Consultant support for website content management, maintenance, marketing campaigns, social media development, education materials and programs, graphic design and video production.

## Position Summary

Communications Department			
Full-Time Positions	FY21	FY22	Difference
Director of Communications	-	1.00	1.00
Public Relations & Communications Officer	1.00	-	(1.00)
Public Relations Assistant	1.00	-	(1.00)
Public Relations Coordinator (PR Specialist - In Lieu Of)	1.00	-	(1.00)
Public Relations Specialist	1.00	2.00	1.00
Water Resource Assistant	-	1.00	1.00
Water Resource Program & Public Education Manager	-	1.00	1.00
<b>Total Full-Time Positions</b>	<b>4.00</b>	<b>5.00</b>	<b>1.00</b>

## Expense Detail

Communications Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 380,573	\$ 371,845	\$ 220,090	\$ 451,745	\$ 79,900	21.49%
511060 - Overtime	10	-	-	-	-	0.00%
512000 - Social Security	27,575	27,995	16,835	34,565	6,570	23.47%
513000 - Workers' Comp Ins	665	615	390	645	30	4.88%
513020 - Hospitalization Ins	54,909	56,450	36,915	56,905	455	0.81%
513040 - Dental Ins	3,542	3,645	1,620	2,380	(1,265)	-34.71%
513060 - Life Ins	910	960	540	1,060	100	10.42%
514000 - Retirement	43,195	43,025	43,025	44,660	1,635	3.80%
514010 - Retiree - Insurance	9,670	7,505	47,530	12,500	4,995	66.56%
514020 - Comp Absences-vacation	570	-	-	11,330	11,330	0.00%
515000 - Cell Phone Stipend	1,920	1,920	1,080	1,920	-	0.00%
<b>Personnel Total</b>	<b>\$ 523,539</b>	<b>\$ 513,960</b>	<b>\$ 368,025</b>	<b>\$ 617,710</b>	<b>\$ 103,750</b>	<b>20.19%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 372	\$ 500	\$ 500	\$ 500	-	0.00%
520110 - Computer Supplies	3,544	3,840	3,840	3,600	(240)	-6.25%
520120 - Photo and Video Supplies	33	1,000	1,000	1,000	-	0.00%
520600 - Fuel, Oil and Lube	28	2,000	2,000	-	(2,000)	-100.00%
521900 - Vehicle Supplies	57	250	250	-	(250)	-100.00%
521910 - Tires and Tubes	-	200	200	-	(200)	-100.00%
<b>Supplies Total</b>	<b>\$ 4,034</b>	<b>\$ 7,790</b>	<b>\$ 7,790</b>	<b>\$ 5,100</b>	<b>\$ (2,690)</b>	<b>-34.53%</b>

## Expense Detail (continued)

Communications Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
530300 - Automotive Insurance	\$ 245	\$ 250	\$ 250	\$ 215	\$ (35)	-14.00%
531020 - Internet Service	1,885	2,160	2,160	2,160	-	0.00%
531030 - Web Site Serv	28,869	24,000	24,000	24,000	-	0.00%
531300 - Engin/Consultant Svc	44,000	48,000	48,000	48,000	-	0.00%
531310 - Special Studies & Rpts	11,993	12,000	12,000	12,000	-	0.00%
531500 - Planning & Development	25,769	20,000	20,000	57,650	37,650	188.25%
531700 - Advertising	33,166	59,700	59,700	59,700	-	0.00%
531900 - Travel and Training	1,575	10,300	10,300	10,300	-	0.00%
532000 - Mem & Subscriptions	3,366	4,055	4,055	4,055	-	0.00%
532100 - Vehicle Maint	104	100	100	-	(100)	-100.00%
532110 - Veh Maint by Solid Waste	318	260	260	-	(260)	-100.00%
534000 - Uninsured losses	(95)	-	-	-	-	0.00%
<b>Services Total</b>	<b>\$ 151,195</b>	<b>\$ 180,825</b>	<b>\$ 180,825</b>	<b>\$ 218,080</b>	<b>\$ 37,255</b>	<b>20.60%</b>
<b>Grand Total</b>	<b>\$ 678,768</b>	<b>\$ 702,575</b>	<b>\$ 556,640</b>	<b>\$ 840,890</b>	<b>\$ 138,315</b>	<b>19.69%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$138,315 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to increased Wages, Retirement costs and Compensated Absences-vacation.
- Planning and Development increased for additional planned community engagement.

## Engineering Department

### Overview

The Engineering Department includes the functions of Planning, Project Delivery and Real Estate. The essential functions of each are as follows:

- **Planning:** Lead the planning and capital program portfolio development (identify, define and implement capital projects) to achieve the District's goals and priorities. Communicate and collaborate with Member Cities, Customers and other agencies to plan future needs. Lead the development and negotiation of agreements, contracts and permits with Member Cities and Customers.
- **Project Delivery:** Take the lead in developing project scopes for new and major expansion/rehabilitation capital projects. Select design consultants and administer the Engineering Services contracts, including leading the review of technical and contractual aspects. Coordinate the advertisement and competitive bid processes, administer the execution of construction contract and serve as NTMWD Owner's Agent throughout the construction and startup phases of the project.
- **Real Estate:** Facilitate the acquisition and disposal of right-of-way and property and administer and manage leases. Provide research for identification of ownership and for target acquisition costs for land associated with planned facilities, coordinate with owners for right of entry pre-engineering work, negotiate and manage real estate transactions. Provide research and advice on real estate related issues. Engage outside legal counsel when necessary. Assist Geographic Information System (GIS) with mapping functions.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### **Service: Provide superior water, wastewater and solid waste services today and tomorrow**

- Develop and implement new projects and improvements utilizing appropriate technologies and processes to enhance systems reliability, address regulatory requirements, address capacity needs, provide for the safety of workers and the general public and address asset condition issues.
- Advance projects that move toward full capacity of existing supplies and the development of new supplies from the Trinity River Main Stem and Bois d'Arc Lake.
- Advance expansion into new wastewater service areas by developing a new northern Regional Water Resource Recovery Facility and associated regional collection system.

#### **Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Refine engineering business practices to utilize the standard approaches to work flows, materials, equipment, technology and construction details where practical, while maintaining critical engineering problem solving outlook where needed.
- Strengthen supply chain management of project delivery resources by:
  - Deliberately managing consultant evaluation, selection, and project loading.
  - Coordinating overall construction activity to promote competition and manage project loading.
  - Promoting active awareness among District departments of project requirements and their potential impact to facility constraints and availability.

#### **Partnership: Actively collaborate with members, customers, partners, employees and stakeholders**

- Continue to work with Member Cities and Customers at appropriate levels to foster respect and sensitivity to mutual goals and issues.
- Actively engage cities through planning, engineering and utility management staff to effectively plan for changing capacity needs and to collaborate on unified efforts.

#### **People: Build a talented, competent and committed team**

- Increase targeted training and clear definitions of department processes to present consistent approaches.
- Seek opportunities for staff experiences and development to develop future leaders within the District.

## Major Budget Drivers

- Computer equipment and software needed to support timely communications, access to critical information, technical review and project delivery tracking by the District's Engineering staff.
- Vehicles and remote computer access to enable construction field monitoring of projects spread across the NTMWD service area.
- Training and exposure for professional technical staff to maintain knowledge of current and best practices in the water, wastewater and solid waste industries.

## Position Summary

Engineering Department			
Full-Time Positions	FY21	FY22	Difference
Administrative Technician	5.00	4.00	(1.00)
Assistant Construction Manager	1.00	-	(1.00)
Assistant Deputy (CIP)	0.90	0.90	-
Assistant Deputy (Engineering)	1.00	1.00	-
Assistant Planning Program Manager	-	1.00	1.00
Construction Inspector I	19.00	19.00	-
Construction Inspector II	12.00	13.00	1.00
Construction Manager	1.00	1.00	-
Contracts Coordinator (Proj Ctrl Spec - Contracts & Document Mgmt - ILO)	1.00	-	(1.00)
Engineering Manager	2.00	2.00	-
Engineering Projects Coordinator	1.00	1.00	-
Engineering Technician	6.00	4.00	(2.00)
Graduate Engineer	2.00	2.00	-
I&E Construction Supervisor	1.00	1.00	-
Land Agent	2.00	2.00	-
Planning Program Manager	1.00	1.00	-
Professional Engineer	21.00	21.00	-
Professional Engineer (Wastewater Program Manager - In Lieu Of)	1.00	-	(1.00)
Project Controls Specialist - Contracts & Document Mgmt.	-	1.00	1.00
Project Support Supervisor	1.00	1.00	-
Real Estate Manager	1.00	1.00	-
Registered Surveyor	1.00	-	(1.00)
Reservoir Project Manager	1.00	-	(1.00)
Senior Construction Inspector	6.00	8.00	2.00
Solid Waste and Specialties Program Manager	1.00	1.00	-
Wastewater Program Manager	1.00	2.00	1.00
Water Conveyance Program Manager	1.00	1.00	-
Water Treatment Program Manager	1.00	1.00	-
<b>Total Full-Time Positions</b>	<b>91.90</b>	<b>89.90</b>	<b>(2.00)</b>



## Expense Detail

Engineering Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 7,868,892	\$ 7,910,855	\$ 7,654,965	\$ 8,021,505	\$ 110,650	1.40%
511060 - Overtime	111,412	153,000	153,000	153,000	-	0.00%
512000 - Social Security	581,653	595,690	593,555	604,225	8,535	1.43%
513000 - Workers' Comp Ins	43,236	40,340	41,340	36,365	(3,975)	-9.85%
513020 - Hospitalization Ins	1,206,903	1,285,175	1,245,160	1,320,915	35,740	2.78%
513040 - Dental Ins	60,892	65,595	63,760	63,485	(2,110)	-3.22%
513060 - Life Ins	18,589	20,540	18,635	18,880	(1,660)	-8.08%
514000 - Retirement	916,045	928,170	928,170	1,195,635	267,465	28.82%
514010 - Retiree - Insurance	159,820	161,935	261,070	334,625	172,690	106.64%
514020 - Comp Absences-vacation	40,045	18,615	18,615	107,360	88,745	476.74%
514030 - Comp Absences-sick	107,720	-	-	-	-	0.00%
515000 - Cell Phone Stipend	34,916	36,910	34,035	34,990	(1,920)	-5.20%
<b>Personnel Total</b>	<b>\$11,150,124</b>	<b>\$11,216,825</b>	<b>\$11,012,305</b>	<b>\$11,890,985</b>	<b>\$ 674,160</b>	<b>6.01%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 5,366	\$ 40,440	\$ 40,440	\$ 16,190	\$ (24,250)	-59.97%
520110 - Computer Supplies	289,747	293,425	293,425	349,665	56,240	19.17%
520200 - Xerox Supplies	22,637	15,425	15,425	8,770	(6,655)	-43.14%
520300 - Clothing Supplies	13,758	26,970	26,970	19,000	(7,970)	-29.55%
520600 - Fuel, Oil and Lube	90,613	105,140	105,140	112,500	7,360	7.00%
520630 - Toll Fees	5,546	7,000	7,000	7,500	500	7.14%
520800 - Small Tools & Equip	2,871	13,300	13,300	10,300	(3,000)	-22.56%
521110 - Safety Supplies	12,259	36,900	36,900	29,630	(7,270)	-19.70%
521500 - Mechanical Supplies	220	-	-	-	-	0.00%
521700 - Building Supplies	11,983	10,000	10,000	8,000	(2,000)	-20.00%
521800 - Engineering Supplies	1,718	6,850	6,850	6,150	(700)	-10.22%
521900 - Vehicle Supplies	8,778	15,300	15,300	15,000	(300)	-1.96%
521910 - Tires and Tubes	11,329	16,500	16,500	16,500	-	0.00%
<b>Supplies Total</b>	<b>\$ 476,825</b>	<b>\$ 587,250</b>	<b>\$ 587,250</b>	<b>\$ 599,205</b>	<b>\$ 11,955</b>	<b>2.04%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 39,556	\$ 37,980	\$ 37,980	\$ 44,870	\$ 6,890	18.14%
531000 - Telephone	2,991	6,000	6,000	3,000	(3,000)	-50.00%
531020 - Internet Service	31,223	50,380	50,380	36,780	(13,600)	-26.99%
531100 - Electric Power	12,658	12,000	13,435	10,800	(1,200)	-10.00%
531110 - Nat Gas, Butane & Kero	867	13,020	13,020	12,000	(1,020)	-7.83%
531120 - Retail Water Service	700	7,920	7,920	7,200	(720)	-9.09%
531300 - Engin/Consultant Svc	-	-	-	60,000	60,000	0.00%
531400 - Legal Service	37,948	18,000	18,000	18,000	-	0.00%
531700 - Advertising	6,041	20,000	20,000	30,000	10,000	50.00%
531800 - Rent or Lease Payment	13,108	11,400	11,400	6,470	(4,930)	-43.25%
531900 - Travel and Training	23,488	53,475	53,475	76,905	23,430	43.81%
532000 - Mem & Subscriptions	5,055	5,095	5,095	7,020	1,925	37.78%
532100 - Vehicle Maint	7,433	6,035	6,035	6,375	340	5.63%
532110 - Veh Maint by Solid Waste	15,696	17,750	17,750	18,750	1,000	5.63%

Expense Detail (continued)

Engineering Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
532300 - Postage	\$ 1,137	\$ 2,000	\$ 2,000	\$ 2,000	\$ -	0.00%
532850 - Building Maintenance	20,818	15,000	15,000	90,000	75,000	500.00%
533000 - Other Services	25,425	-	-	-	-	0.00%
533020 - Contract Labor	240	-	-	-	-	0.00%
533300 - Maintenance Services	17,477	-	-	10,000	10,000	0.00%
533340 - Technical Services	29	-	-	-	-	0.00%
533900 - Permits, Ins, & Lic Fees	-	-	-	2,460	2,460	0.00%
534000 - Uninsured losses	3,536	-	-	-	-	0.00%
<b>Services Total</b>	<b>\$ 265,425</b>	<b>\$ 276,055</b>	<b>\$ 277,490</b>	<b>\$ 442,630</b>	<b>\$ 166,575</b>	<b>60.34%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 170,196	\$ 77,000	\$ 77,000	\$ 117,000	\$ 40,000	51.95%
<b>Capital Outlay Total</b>	<b>\$ 170,196</b>	<b>\$ 77,000</b>	<b>\$ 77,000</b>	<b>\$ 117,000</b>	<b>\$ 40,000</b>	<b>51.95%</b>
<b>Grand Total</b>	<b>\$12,062,569</b>	<b>\$12,157,130</b>	<b>\$11,954,045</b>	<b>\$13,049,820</b>	<b>\$ 892,690</b>	<b>7.34%</b>

Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$892,690 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Wages, Retirement, Insurance and Compensated Absences-vacation.
- Computer supplies increased for additional Projectmates licenses and custom reporting needs.
- Engineering/Consultant Services is higher for a Project Controls initiative, hydraulic and pressure evaluations for Planning and Contract/Bid Evaluation Support for Alternative Delivery.
- Building Maintenance increased reflecting a transition to contract custodial services.
- Vehicle Equipment increased to replace three vehicles that meet the replacement criteria.

## Permitting Department

### Overview

The Permitting Department is responsible for the monitoring, development and submission of permits for the Water and Wastewater Systems. The department manages the Multisector Stormwater Program for the Wastewater System including application submittal, pollution prevention plan development, site inspection, report submittal, training of staff and review of records. The department monitors state and federal standards and requirements; and develops studies to address the impacts to the systems. Permitting also pursues regionalization of wastewater services and protection of source water. It is responsible for the development of information to identify and pursue the next major water source.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### **Service: Provide superior water, wastewater and solid waste services today and tomorrow**

- Continuously monitor state and federal standards and requirements; and develop studies to ensure sound scientific standards and requirements in permits.
- Continue the permitting activities for Bois d'Arc Lake.
- Update and improve stormwater permitting.
- Monitor wastewater permits in the service area to pursue regionalization of services and protect source water of Lavon Lake and Trinity River.
- Develop information to identify and pursue the next major water source.
- Complete timely permits to assist the project timeline of new facilities to meet growth demands.

#### **Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Produce a Five-Year Plan based on best estimates for future planning.
- Improve coordination with Water, Wastewater, Engineering, CIP, Environmental Services and GIS to increase permitting efficiency.
- Develop and implement an information management system for data reports and inspections.
- Continuously monitor state and federal standards and requirements; and develop studies to ensure water resources are protected.
- Explore opportunities for regionalization of wastewater services.

#### **Partnership: Actively collaborate with members, customers, partners, employees and stakeholders**

- Collaborate with Member Cities and Customers for opportunities for regionalization of wastewater services.
- Provide permit support to operations and engineering with expansion and improvement projects.
- Collaborate with operations and engineering to help maintain stormwater compliance.

#### **People: Build a talented, competent and committed team**

- Continue to provide employee training and development opportunities.
- Continue to provide safety training.

### Major Budget Drivers

- Personnel
- Raw water development

## Position Summary

Permitting Department			
Full-Time Positions	FY21	FY22	Difference
Assistant Deputy (CIP)	0.10	0.10	-
Environmental Manager	1.00	-	(1.00)
Permit Coordinator	1.00	2.00	1.00
Permitting Manager	-	1.00	1.00
<b>Total Full-Time Positions</b>	<b>2.10</b>	<b>3.10</b>	<b>1.00</b>

## Expense Detail

Permitting Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 255,218	\$ 245,950	\$ 262,285	\$ 305,175	\$ 59,225	24.08%
512000 - Social Security	18,564	18,810	22,330	23,235	4,425	23.52%
513000 - Workers' Comp Ins	2,731	2,530	1,010	435	(2,095)	-82.81%
513020 - Hospitalization Ins	28,206	29,000	24,630	30,740	1,740	6.00%
513040 - Dental Ins	1,451	1,535	1,380	1,535	-	0.00%
513060 - Life Ins	589	625	600	725	100	16.00%
514000 - Retirement	29,360	28,455	28,455	44,955	16,500	57.99%
514010 - Retiree - Insurance	5,120	4,965	4,965	12,580	7,615	153.37%
514020 - Comp Absences-vacation	-	-	-	2,030	2,030	0.00%
514030 - Comp Absences-sick	35,805	7,420	7,420	-	(7,420)	-100.00%
515000 - Cell Phone Stipend	1,004	1,010	1,050	1,490	480	47.52%
<b>Personnel Total</b>	<b>\$ 378,047</b>	<b>\$ 340,300</b>	<b>\$ 354,125</b>	<b>\$ 422,900</b>	<b>\$ 82,600</b>	<b>24.27%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 166	\$ 1,000	\$ 1,000	\$ 1,000	-	0.00%
520110 - Computer Supplies	5,985	1,910	1,910	2,195	285	14.92%
520300 - Clothing Supplies	27	520	520	520	-	0.00%
520600 - Fuel, Oil and Lube	159	750	750	750	-	0.00%
520630 - Toll Fees	-	100	100	100	-	0.00%
521110 - Safety Supplies	347	1,385	1,385	1,135	(250)	-18.05%
521900 - Vehicle Supplies	134	200	200	200	-	0.00%
521910 - Tires and Tubes	768	350	350	350	-	0.00%
<b>Supplies Total</b>	<b>\$ 7,587</b>	<b>\$ 6,215</b>	<b>\$ 6,215</b>	<b>\$ 6,250</b>	<b>\$ 35</b>	<b>0.56%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 661	\$ 730	\$ 730	\$ 415	(315)	-43.15%
531020 - Internet Service	1,335	1,080	1,080	1,320	240	22.22%
531300 - Engin/Consultant Svc	14,825	-	-	-	-	0.00%
531310 - Special Studies & Rpts	30,000	30,000	30,000	30,000	-	0.00%
531400 - Legal Service	5,647	115,000	113,000	115,000	-	0.00%
531490 - Raw Water Development	252,800	500,000	500,000	500,000	-	0.00%
531900 - Travel and Training	1,959	13,400	13,400	13,400	-	0.00%
532000 - Mem & Subscriptions	380	1,225	1,225	1,275	50	4.08%
532100 - Vehicle Maint	8	-	-	-	-	0.00%
532110 - Veh Maint by Solid Waste	201	500	500	500	-	0.00%
532300 - Postage	965	200	2,200	1,000	800	400.00%
<b>Services Total</b>	<b>\$ 308,782</b>	<b>\$ 662,135</b>	<b>\$ 662,135</b>	<b>\$ 662,910</b>	<b>\$ 775</b>	<b>0.12%</b>

<b>Grand Total</b>	<b>\$</b>	<b>694,416</b>	<b>\$</b>	<b>1,008,650</b>	<b>\$</b>	<b>1,022,475</b>	<b>\$</b>	<b>1,092,060</b>	<b>\$</b>	<b>83,410</b>	<b>8.27%</b>
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### Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$83,410 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to a new Permit Coordinator position, Insurance and Retirement costs.

# Control Systems Department

## Overview

The Control Systems Department manages and supports the real-time Supervisory Control and Data Acquisition (SCADA) system and other essential applications such as network connectivity. Control Systems also develops and maintains network and SCADA standards and ensures the proper application of the standards on all engineering and operations projects. The department acts as a support function to the Water, Wastewater and Solid Waste Services.

## FY2022 Department Objectives (Supporting Strategic Goals)

**Service: Provide superior water, wastewater and solid waste services today and tomorrow.**

- Continuously improve and expand SCADA system effectiveness.
- Work with Engineering to integrate SCADA Systems into new facilities.

**Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Continue to monitor personnel needs to ensure that requests are based on capability needs and District growth. Outsource when practical.
- Establish District Standards program related to standardization of materials, software and equipment.
- Maintain SCADA cyber security posture.

**People: Build a talented, competent and committed team**

- Work with and support Training and Development Manager to establish and implement required industry related education strategy.

## Major Budget Drivers

- Personnel
- Software Licensing
- Hardware Replacement

## Position Summary

Control Systems Department			
Full-Time Positions	FY21	FY22	Difference
Assistant Deputy (Maintenance)	0.10	0.10	-
Control Systems Manager	1.00	1.00	-
Control Systems Senior Technician	4.00	5.00	1.00
Control Systems Supervisor	1.00	1.00	-
Control Systems Technician	1.00	1.00	-
Graduate Engineer	1.00	1.00	-
Information Technology Supervisor (Control Systems Sr Tech - In Lieu Of)	1.00	-	(1.00)
<b>Total Full-Time Positions</b>	<b>9.10</b>	<b>9.10</b>	<b>-</b>

## Expense Detail

Control Systems Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 704,193	\$ 758,630	\$ 733,570	\$ 789,435	\$ 30,805	4.06%
511060 - Overtime	41,247	30,000	30,000	45,000	15,000	50.00%
512000 - Social Security	53,598	56,670	55,210	58,640	1,970	3.48%

## Expense Detail (continued)

Control Systems Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel (continued)</b>						
513000 - Workers' Comp Ins	\$ 1,260	\$ 1,255	\$ 1,220	\$ 1,125	\$ (130)	-10.36%
513020 - Hospitalization Ins	92,505	116,000	97,730	101,470	(14,530)	-12.53%
513040 - Dental Ins	3,095	4,635	3,720	3,500	(1,135)	-24.49%
513060 - Life Ins	1,629	1,975	1,835	1,860	(115)	-5.82%
514000 - Retirement	87,115	88,130	88,130	116,130	28,000	31.77%
514010 - Retiree - Insurance	15,200	15,375	27,960	32,500	17,125	111.38%
514020 - Comp Absences-vacation	12,740	3,510	3,510	1,485	(2,025)	-57.69%
514030 - Comp Absences-sick	-	-	-	6,150	6,150	0.00%
515000 - Cell Phone Stipend	2,844	3,890	3,610	3,410	(480)	-12.34%
<b>Personnel Total</b>	<b>\$ 1,015,426</b>	<b>\$ 1,080,070</b>	<b>\$ 1,046,495</b>	<b>\$ 1,160,705</b>	<b>\$ 80,635</b>	<b>7.47%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 2,277	\$ 1,130	\$ 1,130	\$ 1,130	-	0.00%
520110 - Computer Supplies	184,279	230,000	230,000	530,000	300,000	130.43%
520300 - Clothing Supplies	-	1,800	800	800	(1,000)	-55.56%
520600 - Fuel, Oil and Lube	7,012	4,000	4,000	4,000	-	0.00%
520630 - Toll Fees	466	-	1,000	1,000	1,000	0.00%
520800 - Small Tools & Equip	792	600	600	600	-	0.00%
520820 - Expendable Supplies	264	350	350	350	-	0.00%
521100 - Medical Supplies	-	200	200	200	-	0.00%
521110 - Safety Supplies	555	3,130	1,130	1,000	(2,130)	-68.05%
521900 - Vehicle Supplies	616	1,100	1,100	1,100	-	0.00%
521910 - Tires and Tubes	768	1,500	1,500	1,500	-	0.00%
<b>Supplies Total</b>	<b>\$ 197,029</b>	<b>\$ 243,810</b>	<b>\$ 241,810</b>	<b>\$ 541,680</b>	<b>\$ 297,870</b>	<b>122.17%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 3,029	\$ 2,825	\$ 2,825	\$ 3,335	\$ 510	18.05%
531020 - Internet Service	2,900	4,320	4,320	4,320	-	0.00%
531300 - Engin/Consultant Svc	5,200	-	-	-	-	0.00%
531310 - Special Studies & Rpts	151,743	270,000	270,000	210,000	(60,000)	-22.22%
531600 - Printing & Binding	-	130	130	130	-	0.00%
531800 - Rent or Lease Payment	-	-	4,000	-	-	0.00%
531900 - Travel and Training	4,093	20,500	18,500	20,500	-	0.00%
532000 - Mem & Subscriptions	508	1,550	1,550	700	(850)	-54.84%
532100 - Vehicle Maint	638	1,585	1,585	1,585	-	0.00%
532110 - Veh Maint by Solid Waste	1,292	3,000	3,000	3,000	-	0.00%
533020 - Contract Labor	2,116	15,000	15,000	15,000	-	0.00%
534000 - Uninsured losses	2,006	-	-	-	-	0.00%
<b>Services Total</b>	<b>\$ 173,526</b>	<b>\$ 318,910</b>	<b>\$ 320,910</b>	<b>\$ 258,570</b>	<b>\$ (60,340)</b>	<b>-18.92%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 23,065	\$ -	\$ -	\$ -	-	0.00%
<b>Capital Outlay Total</b>	<b>\$ 23,065</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>	<b>0.00%</b>
<b>Grand Total</b>	<b>\$ 1,409,046</b>	<b>\$ 1,642,790</b>	<b>\$ 1,609,215</b>	<b>\$ 1,960,955</b>	<b>\$ 318,165</b>	<b>19.37%</b>



### Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$318,165 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due higher Wages & Retirement costs.
- Computer Supplies increased due to a new cyber network monitoring tool for Control Systems.
- Special Studies & Reports decreased based on lower need in FY22.

## Facilities Services Department

### Overview

The Facilities Services Department includes trades that focus on the maintenance and repair of pipelines, valves, right of way corridors and corporate facilities. The department acts as a support function to the Water, Wastewater and Solid Waste Services. The department includes three areas of personnel to accomplish its mission:

- **Pipeline and Easement Maintenance:** Pipeline crews respond as needed to planned and unplanned repairs and maintenance of the District's water and wastewater pipelines and appurtenances. Valve crews work as needed and preventively in the routine inspection and repair of faulty air relief, blow-off and isolation valves. Conducts annual maintenance of the water treatment plant sedimentation basins. The group's heavy equipment operators perform a wide range of tasks across the District where various types of equipment or transport is required. Performs and coordinates with contractors in the annual cleaning and mowing of NTMWD pipeline easements and remote sites.
- **Line Locators:** Provide on call locating services for public and private interests performing work near the District's existing water and wastewater pipelines and appurtenances. Incorporates damage prevention measures by making daily routine inspections of pipeline sections to address potential issues or conflicts with work occurring without notification in proximity of the District's pipeline assets. Regularly assists and coordinates with the Engineering group in projects requiring locates of NTMWD pipelines or other utilities.
- **Facility Support:** Conducts scheduled and unscheduled activities related to the maintenance of the District's vertical assets and corporate campus. Facility maintenance technicians perform general paint, carpentry, plumbing and HVAC repairs. Personnel coordinate with and oversee contractors in larger scale projects when necessary. A custodial support team provides mail services and cleaning, including light maintenance of facilities.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### **Service: Provide superior water, wastewater and solid waste services today and tomorrow**

- Enhance system reliability and efficiency.
- Evaluate and implement outsourced maintenance options as warranted.
- Fully implement preventative maintenance programs for plants, facilities and equipment.
- Work to establish maintenance contracts with outside vendors as appropriate.
- Continue to support the Wastewater System CMOM plan.

#### **Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Implement the five-year asset management roadmap.
- Support programs to enhance linear asset management systems and practices.
- Continue to monitor personnel needs to ensure that requests are based on capability needs and District growth. Outsource when practical.
- Establish District Standards program related to standardization of materials and equipment.

#### **People: Build a talented, competent and committed team**

- Establish and implement required industry related education strategy.
- Continue to work with and support the District's Health and Safety Manager to establish and apply sound industry driven safety standards.

### Major Budget Drivers

- Personnel
- Pipeline Maintenance and Repair
- Equipment Maintenance and Repair

## Position Summary

### Facilities Services Department

Full-Time Positions	FY21	FY22	Difference
Administrative Technician	1.00	1.00	-
Assistant Deputy (Maintenance)	0.45	0.45	-
Assistant Maintenance Manager	0.50	0.50	-
Custodial Crewleader	1.00	1.00	-
Custodian	6.00	3.00	(3.00)
Electrical Maintenance Manager	0.50	0.50	-
Facilities Services Manager	1.00	1.00	-
Facility Maintenance Crewleader	-	1.00	1.00
Heavy Equipment Operator	6.00	6.00	-
Lead Line Locator	1.00	1.00	-
Lead Maintenance Worker - Carpentry	1.00	-	(1.00)
Lead Maintenance Worker - Facility Maintenance	-	2.00	2.00
Lead Maintenance Worker - Paint	1.00	-	(1.00)
Lead Maintenance Worker - Pipeline	7.00	7.00	-
Light Equipment Operator	1.00	1.00	-
Line Locator	4.00	4.00	-
Maintenance Engineer / Asset Risk Manager	0.50	0.50	-
Maintenance Manager	0.50	0.50	-
Maintenance Right - of - Way Supervisor	1.00	1.00	-
Maintenance Services Superintendent Pipeline	1.00	1.00	-
Maintenance Services Superintendent Plant	1.00	1.00	-
Maintenance Valve Crew Supervisor	1.00	1.00	-
Maintenance Worker - Facility Maintenance	-	5.00	5.00
Maintenance Worker - Facility Maintenance (Leonard / BDL)	-	1.00	1.00
Maintenance Worker - Paint / Carpentry	5.00	-	(5.00)
Maintenance Worker - Pipeline	20.00	20.00	-
Painting / Carpentry Crewleader	1.00	-	(1.00)
Pipeline Crewleader	2.00	2.00	-
<b>Total Full-Time Positions</b>	<b>64.45</b>	<b>62.45</b>	<b>(2.00)</b>

## Expense Detail

Facilities Services Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 3,424,253	\$ 3,375,680	\$ 3,164,605	\$ 3,509,240	\$ 133,560	3.96%
511060 - Overtime	528,015	415,000	415,000	415,000	-	0.00%
512000 - Social Security	284,942	258,255	271,375	268,450	10,195	3.95%
513000 - Workers' Comp Ins	106,960	90,705	93,590	81,760	(8,945)	-9.86%
513020 - Hospitalization Ins	814,179	864,740	795,700	882,115	17,375	2.01%
513040 - Dental Ins	39,874	43,110	41,155	43,030	(80)	-0.19%
513060 - Life Ins	8,620	9,340	8,240	8,750	(590)	-6.32%
514000 - Retirement	400,835	394,080	394,080	513,970	119,890	30.42%

## Expense Detail (continued)

Facilities Services Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel (continued)</b>						
514010 - Retiree - Insurance	\$ 69,935	\$ 68,755	\$ 147,300	\$ 143,845	\$ 75,090	109.21%
514020 - Comp Absences-vacation	21,980	44,850	44,850	25,130	(19,720)	-43.97%
514030 - Comp Absences-sick	-	44,055	44,055	12,680	(31,375)	-71.22%
515000 - Cell Phone Stipend	29,758	30,935	27,760	29,975	(960)	-3.10%
<b>Personnel Total</b>	<b>\$ 5,729,351</b>	<b>\$ 5,639,505</b>	<b>\$ 5,447,710</b>	<b>\$ 5,933,945</b>	<b>\$ 294,440</b>	<b>5.22%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 2,773	\$ 3,500	\$ 3,500	\$ 4,000	\$ 500	14.29%
520110 - Computer Supplies	39,613	35,445	35,445	35,305	(140)	-0.39%
520200 - Xerox Supplies	5,593	8,000	8,000	8,750	750	9.38%
520300 - Clothing Supplies	42,031	36,000	36,000	37,000	1,000	2.78%
520600 - Fuel, Oil and Lube	141,691	160,000	160,000	162,000	2,000	1.25%
520610 - Generator Fuel	552	-	-	-	-	0.00%
520620 - Fuel Control	902	-	-	-	-	0.00%
520630 - Toll Fees	12,852	-	-	5,000	5,000	0.00%
520700 - Machine Oil & Lube	2,522	3,885	6,385	3,885	-	0.00%
520800 - Small Tools & Equip	66,948	62,600	62,600	72,600	10,000	15.97%
520810 - Fire Extinguishers	-	800	800	800	-	0.00%
520820 - Expendable Supplies	18,316	10,000	10,000	11,000	1,000	10.00%
520900 - Janitorial Supplies	31,544	25,000	25,000	25,500	500	2.00%
521100 - Medical Supplies	1,278	900	1,900	1,100	200	22.22%
521110 - Safety Supplies	75,922	79,000	79,000	84,000	5,000	6.33%
521200 - Chem - Other	1,285	26,995	26,995	26,995	-	0.00%
521300 - Botanical Supplies	12,665	18,000	18,000	18,000	-	0.00%
521400 - Electrical Supplies	35,894	64,200	64,200	64,200	-	0.00%
521500 - Mechanical Supplies	69,054	55,000	30,000	55,000	-	0.00%
521600 - Pipeline Supplies	568,517	500,000	650,000	510,000	10,000	2.00%
521610 - Meter Supplies	18,186	66,800	66,840	66,800	-	0.00%
521700 - Building Supplies	45,446	30,000	30,000	32,500	2,500	8.33%
521900 - Vehicle Supplies	38,018	28,000	28,000	29,000	1,000	3.57%
521910 - Tires and Tubes	26,833	20,000	20,000	21,500	1,500	7.50%
522000 - Equipment Supplies	55,221	50,000	50,000	50,000	-	0.00%
523000 - Other Supplies	322	-	-	-	-	0.00%
<b>Supplies Total</b>	<b>\$ 1,313,979</b>	<b>\$ 1,284,125</b>	<b>\$ 1,412,665</b>	<b>\$ 1,324,935</b>	<b>\$ 40,810</b>	<b>3.18%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 59,395	\$ 55,410	\$ 55,410	\$ 71,835	\$ 16,425	29.64%
530400 - Fire & Exten Cov Ins	47,132	56,005	56,005	69,035	13,030	23.27%
531000 - Telephone	252	32,865	20,865	34,365	1,500	4.56%
531020 - Internet Service	14,122	19,800	19,800	22,440	2,640	13.33%
531100 - Electric Power	6,191	-	-	-	-	0.00%
531110 - Nat Gas, Butane & Kero	2,144	2,800	2,800	2,800	-	0.00%
531310 - Special Studies & Rpts	-	100,000	100,000	100,000	-	0.00%
531700 - Advertising	843	500	500	500	-	0.00%
531800 - Rent or Lease Payment	66,147	45,000	135,000	45,000	-	0.00%

### Expense Detail (continued)

Facilities Services Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services (continued)</b>						
531900 - Travel and Training	\$ 9,550	\$ 14,420	\$ 14,420	\$ 10,420	\$ (4,000)	-27.74%
532000 - Mem & Subscriptions	265	450	450	450	-	0.00%
532100 - Vehicle Maint	28,843	7,785	32,785	8,785	1,000	12.85%
532110 - Veh Maint by Solid Waste	24,860	11,500	21,500	12,500	1,000	8.70%
532200 - Equipment Maintenance	664,152	865,380	560,960	925,380	60,000	6.93%
532210 - Special Maintenance	60,952	50,000	102,600	80,000	30,000	60.00%
532220 - Pipeline Maintenance	227,329	700,000	602,460	750,000	50,000	7.14%
532300 - Postage	-	250	250	250	-	0.00%
532800 - Grounds Maintenance	147,146	100,200	100,200	102,700	2,500	2.50%
532850 - Building Maintenance	215,887	16,400	81,400	46,400	30,000	182.93%
533000 - Other Services	6,844	10,000	50,000	10,000	-	0.00%
533030 - Contractual Safety Serv	-	-	2,700	-	-	0.00%
533900 - Permits, Ins, & Lic Fees	2,269	3,200	3,200	3,200	-	0.00%
534000 - Uninsured losses	4,320	-	1,379,980	-	-	0.00%
<b>Services Total</b>	<b>\$ 1,588,642</b>	<b>\$ 2,091,965</b>	<b>\$ 3,343,285</b>	<b>\$ 2,296,060</b>	<b>\$ 204,095</b>	<b>9.76%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 433,122	\$ 55,000	\$ 36,230	\$ 418,000	\$ 363,000	660.00%
540700 - Non-Vehicle Equipment	422,248	275,500	294,390	800,000	524,500	190.38%
542000 - Other Capital Outlay	71,379	-	-	-	-	0.00%
<b>Capital Outlay Total</b>	<b>\$ 926,749</b>	<b>\$ 330,500</b>	<b>\$ 330,620</b>	<b>\$ 1,218,000</b>	<b>\$ 887,500</b>	<b>268.53%</b>
<b>Grand Total</b>	<b>\$ 9,558,722</b>	<b>\$ 9,346,095</b>	<b>\$10,534,280</b>	<b>\$10,772,940</b>	<b>\$ 1,426,845</b>	<b>15.27%</b>

### Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$1,426,845 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Wages, Insurance and Retirement costs.
- Expendable, Medical, Safety, Building and Pipeline Supplies all increased to purchase items for the new Leonard offices.
- Equipment Maintenance increased due to the addition of Leonard to the McKinney HSPS Maintenance Program.
- Pipeline Maintenance increased to add Leonard to the McKinney ROW Mowing and Maintenance Program.
- Special Maintenance is higher for additional expenses related to the tank cleaning program.
- Building Maintenance increased for a Facility Maintenance Program.
- Vehicle and Non-Vehicle Equipment are increasing to purchase a Truck Tractor and Excavator as well as a Roll Off and Lowboy Trailer.

## Technical Services Department

### Overview

The Technical Services Department includes trades that focus on the maintenance and repair of the electrical, mechanical and instrumentation appurtenances, as well as the functionality for all billing meters. The department includes four areas of personnel to accomplish its mission:

- **Electrical:** The primary function of the electrical department is to install, maintain, test, troubleshoot and repair industrial electrical equipment and associated electrical and electronic controls. The department provides support to the daily operations of the District by performing routine inspections of electrical equipment. The department coordinates preventative maintenance (PM) schedules on the entire electrical system within the District, which includes PM for the electrical switchgear, power substations and HVAC systems.
- **Instrumentation:** The instrumentation department's primary function is to install, maintain, troubleshoot and repair electronic controls, automation systems and associated software systems. The department supports the District's daily operations by performing routine inspections of electronic equipment and testing faulty equipment to diagnose malfunctions. The department is responsible for ensuring the accuracy of the billing meters by performing meter calibrations and verifications utilizing certified measurement equipment. It also maintains the radio transmission system that provides the framework for the SCADA system.
- **Mechanical:** The mechanical department installs, maintains, tests, troubleshoots and repairs industrial machinery and mechanical equipment. The department provides support to the daily operations of the District by performing routine inspections of pumps, motors, pneumatic equipment and piping systems. The department coordinates PM schedules on air compressors, blowers, pumps and motors within the District to ensure maximum pumping capacity is available. They also manage the welders, warehouse operations and crane operators. The welders assist the pipeline maintenance group during pipeline repairs. They also fabricate and make repairs to a variety of structural appurtenances. The crane operators work hand and hand with the mechanics to provide lifting operations in a wide variety of applications. Warehouse operations include shipping and receiving a large assortment of repair parts and equipment, as well as, maintaining an accurate inventory of items that are available on demand for necessary repairs.
- **Ozone:** Ozone maintenance includes specially trained technicians to cover mechanical, electrical and instrumentation issues related to the ozonation system. Additionally, they provide maintenance support to ensure continuous operations of the Wylie Plant by conducting routine plant maintenance and assistance with chemical delivery system maintenance.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### **Service: Provide superior water, wastewater and solid waste services today and tomorrow**

- Enhance system reliability and efficiency.
- Evaluate and implement outsourced maintenance options as warranted.
- Continuously improve and expand preventative and predictive maintenance program strategies.
- Fully implement preventative maintenance programs for plants, facilities and equipment.
- Work to establish maintenance contracts with outside vendors as appropriate.

#### **Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Implement the five-year asset management roadmap.
- Continue to monitor personnel needs to ensure that requests are based on capability needs and District growth. Outsource when practical.
- Establish District Standards program related to standardization of materials and equipment.

#### **People: Build a talented, competent and committed team**

- Establish and implement required industry related education strategy.
- Establish and apply sound industry driven safety standards.

## Major Budget Drivers

- Personnel
- Start up of Leonard Maintenance Facility
- Vehicle & Equipment Replacements

## Position Summary

Technical Services Department			
Full-Time Positions	FY21	FY22	Difference
Administrative Technician	1.00	1.00	-
Assistant Deputy (Maintenance)	0.45	0.45	-
Assistant Electrical Superintendent	1.00	1.00	-
Assistant Instrumentation Superintendent	1.00	1.00	-
Assistant Maintenance Manager	0.50	0.50	-
Assistant Mechanical Superintendent	1.00	1.00	-
Electrical Maintenance Manager	0.50	0.50	-
Electrical Superintendent	1.00	1.00	-
Electrical Technician	1.00	1.00	-
Electrician	11.00	11.00	-
Electrician II	3.00	3.00	-
Electrician (Leonard)	-	1.00	1.00
Instrumentation Superintendent	1.00	1.00	-
Instrumentation Technician	6.00	6.00	-
Instrumentation Technician (Leonard)	-	1.00	1.00
Instrumentation Technician II	2.00	2.00	-
Lead Technical Services Mechanic	6.00	6.00	-
Lead Welder	1.00	1.00	-
Maintenance Dispatch	-	2.00	2.00
Maintenance Engineer / Asset Risk Manager	0.50	0.50	-
Maintenance Manager	0.50	0.50	-
Maintenance Planner Scheduler	-	1.00	1.00
Maintenance Shop Assistant	8.00	8.00	-
Maintenance Shop Assistant Electrical (Leonard)	-	1.00	1.00
Maintenance Shop Assistant Instrumentation (Leonard)	-	1.00	1.00
Maintenance Shop Assistant Mechanical (Leonard)	-	1.00	1.00
Maintenance Superintendent (Leonard)	1.00	1.00	-
Mechanical Maintenance Manager	-	1.00	1.00
Mechanical Superintendent	1.00	1.00	-
Ozone Electrician	8.00	8.00	-
Ozone Instrumentation Technician	8.00	8.00	-
Ozone Mechanic	4.00	4.00	-
Ozone Superintendent	1.00	1.00	-
Ozone Supervisor	4.00	4.00	-
Parts Worker	1.00	-	(1.00)
Physical Security Coordinator	1.00	-	(1.00)
Technical Services Coordinator	1.00	-	(1.00)
Technical Services Crane Operator	2.00	2.00	-
Technical Services Manager (Mechanical Maint Mgr - In Lieu Of)	1.00	-	(1.00)
Technical Services Mechanic	11.00	11.00	-



## Position Summary (continued)

Technical Services Department			
Full-Time Positions	FY21	FY22	Difference
Technical Services Mechanic (Leonard)	-	1.00	1.00
Warehouse Foreman	-	1.00	1.00
Welder	5.00	5.00	-
<b>Total Full-Time Positions</b>	<b>95.45</b>	<b>102.45</b>	<b>7.00</b>

## Expense Detail

Technical Services Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 6,198,158	\$ 6,253,950	\$ 5,943,195	\$ 6,739,265	\$ 485,315	7.76%
511060 - Overtime	661,703	515,000	515,000	625,000	110,000	21.36%
512000 - Social Security	504,895	478,430	493,975	515,560	37,130	7.76%
513000 - Workers' Comp Ins	188,131	167,145	167,700	152,425	(14,720)	-8.81%
513010 - Unemployment Ins	2,726	-	-	-	-	0.00%
513020 - Hospitalization Ins	1,372,849	1,445,770	1,341,640	1,513,330	67,560	4.67%
513040 - Dental Ins	70,686	76,285	71,185	73,970	(2,315)	-3.03%
513060 - Life Ins	15,127	16,710	14,750	16,475	(235)	-1.41%
514000 - Retirement	736,260	730,450	730,450	1,000,350	269,900	36.95%
514010 - Retiree - Insurance	128,450	127,440	251,735	279,970	152,530	119.69%
514020 - Comp Absences-vacation	38,945	55,295	55,295	108,445	53,150	96.12%
514030 - Comp Absences-sick	129,945	88,360	88,360	59,585	(28,775)	-32.57%
515000 - Cell Phone Stipend	43,078	44,735	42,240	47,735	3,000	6.71%
<b>Personnel Total</b>	<b>\$10,090,953</b>	<b>\$ 9,999,570</b>	<b>\$ 9,715,525</b>	<b>\$11,132,110</b>	<b>\$ 1,132,540</b>	<b>11.33%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 3,005	\$ 4,000	\$ 4,000	\$ 5,500	\$ 1,500	37.50%
520110 - Computer Supplies	70,629	74,775	74,775	104,775	30,000	40.12%
520200 - Xerox Supplies	8,135	7,500	9,500	9,000	1,500	20.00%
520300 - Clothing Supplies	74,996	61,870	61,870	73,870	12,000	19.40%
520600 - Fuel, Oil and Lube	113,281	183,500	183,500	193,500	10,000	5.45%
520630 - Toll Fees	9,993	-	3,000	1,500	1,500	0.00%
520700 - Machine Oil & Lube	2,528	2,975	2,975	3,975	1,000	33.61%
520800 - Small Tools & Equip	89,481	76,400	76,400	276,400	200,000	261.78%
520810 - Fire Extinguishers	-	700	700	1,200	500	71.43%
520820 - Expendable Supplies	39,467	18,500	18,500	68,500	50,000	270.27%
521100 - Medical Supplies	182	1,000	1,000	2,500	1,500	150.00%
521110 - Safety Supplies	129,072	89,000	89,000	164,000	75,000	84.27%
521400 - Electrical Supplies	21,989	40,000	40,000	60,000	20,000	50.00%
521500 - Mechanical Supplies	4,481	10,000	10,000	30,000	20,000	200.00%
521610 - Meter Supplies	2,325	-	-	-	-	0.00%
521700 - Building Supplies	9,790	11,500	36,500	16,500	5,000	43.48%
521900 - Vehicle Supplies	39,854	26,100	26,100	31,100	5,000	19.16%
521910 - Tires and Tubes	13,243	21,740	21,740	26,740	5,000	23.00%
522000 - Equipment Supplies	5,604	6,500	9,500	11,500	5,000	76.92%
522100 - Welding Supplies	18,796	20,000	20,000	25,000	5,000	25.00%
<b>Supplies Total</b>	<b>\$ 656,852</b>	<b>\$ 656,060</b>	<b>\$ 689,060</b>	<b>\$ 1,105,560</b>	<b>\$ 449,500</b>	<b>68.52%</b>

### Expense Detail (continued)

Technical Services Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
530300 - Automotive Insurance	\$ 59,216	\$ 55,225	\$ 55,225	\$ 74,765	\$ 19,540	35.38%
530400 - Fire & Exten Cov Ins	3,878	4,610	4,610	8,175	3,565	77.33%
531000 - Telephone	5,341	7,800	7,800	17,800	10,000	128.21%
531020 - Internet Service	24,756	45,200	45,200	51,200	6,000	13.27%
531100 - Electric Power	-	5,000	5,000	15,000	10,000	200.00%
531110 - Nat Gas, Butane & Kero	1,806	3,000	3,000	3,000	-	0.00%
531120 - Retail Water Service	-	3,000	3,000	3,000	-	0.00%
531700 - Advertising	469	500	500	500	-	0.00%
531800 - Rent or Lease Payment	12,869	40,000	40,000	40,000	-	0.00%
531900 - Travel and Training	35,868	33,500	33,500	18,500	(15,000)	-44.78%
532000 - Mem & Subscriptions	86	2,640	2,640	3,640	1,000	37.88%
532100 - Vehicle Maint	40,722	15,055	15,055	20,055	5,000	33.21%
532110 - Veh Maint by Solid Waste	25,318	15,000	17,000	20,000	5,000	33.33%
532200 - Equipment Maintenance	124,796	143,500	126,955	153,500	10,000	6.97%
532210 - Special Maintenance	1,536	-	-	-	-	0.00%
532300 - Postage	-	200	200	200	-	0.00%
532850 - Building Maintenance	13,882	22,500	32,500	27,500	5,000	22.22%
533030 - Contractual Safety Serv	-	1,800	1,800	5,000	3,200	177.78%
534000 - Uninsured losses	(14,105)	-	243,000	-	-	0.00%
<b>Services Total</b>	<b>\$ 336,439</b>	<b>\$ 398,530</b>	<b>\$ 636,985</b>	<b>\$ 461,835</b>	<b>\$ 63,305</b>	<b>15.88%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 280,981	\$ 1,027,000	\$ 982,475	\$ 367,000	\$ (660,000)	-64.26%
540400 - Office Equipment	-	-	-	21,000	21,000	0.00%
540700 - Non-Vehicle Equipment	70,107	-	16,070	138,000	138,000	0.00%
<b>Capital Outlay Total</b>	<b>\$ 351,088</b>	<b>\$ 1,027,000</b>	<b>\$ 998,545</b>	<b>\$ 526,000</b>	<b>\$ (501,000)</b>	<b>-48.78%</b>
<b>Grand Total</b>	<b>\$11,435,332</b>	<b>\$12,081,160</b>	<b>\$12,040,115</b>	<b>\$13,225,505</b>	<b>\$ 1,144,345</b>	<b>9.47%</b>

### Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$1,144,345 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Wages, Insurance and Retirement costs, as well as the addition of new headcount related to Leonard WTP.
- Small Tools and Equipment increased to purchase office tools for the Leonard Maintenance Building.
- Office, Xerox, Expendable, Medical, Safety, Electrical, Mechanical, Building, Equipment and Welding Supplies increased for purchases for the new Leonard WTP offices.
- Automotive Insurance increased due to an additional vehicle added for the Leonard WTP mechanic as well as higher rates.
- Vehicle Equipment decreased due to a lower need for replacement vehicles in FY22.
- Non-Vehicle Equipment increased to replace an all terrain vehicle and to purchase shop tools for the Leonard WTP.

## Human Resources Department

### Overview

The Human Resources (HR) Department is responsible for providing overall policy direction ensuring legally sound and effective management practices. The department is also responsible for all personnel activities including recruitment, on-boarding, retention, negotiations for and administration of the employee benefit programs (insurance – health, vision, dental, life, short term disability and workers' compensation), staff development and training, corrective action and legal compliance.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### Partnership: Actively collaborate with members, customers, partners, employees and stakeholders

- Support and develop 5-year personnel projections.
- Foster and develop interpersonal relationships amongst employees.
- Collaborate with other entities to develop best management practices in the field of HR.

#### People: Build a talented, competent and committed team

- Attract and retain a highly qualified workforce through enhanced recruitment and competitive compensation.
- Establish and implement a comprehensive employee training and development program.
- Create and implement a District-wide succession plan.
- Develop seasonal employment and internship opportunities.
- Promote wellness to encourage a healthy and productive workforce.
- Develop a robust employee recognition program.
- Evaluate the District's career progress and grade structure.
- Advance continuous improvement of Personnel Performance Evaluation.

### Major Budget Drivers

- Personnel
- Training and Development
- Employee Programs

### Position Summary

Human Resources Department			
Full-Time Positions	FY21	FY22	Difference
Assistant Deputy (HR & Admin)	0.50	-	(0.50)
Assistant Deputy (Human Resources)	-	1.00	1.00
Assistant Human Resources Manager	1.00	1.00	-
Human Resources Assistant	-	1.00	1.00
Human Resources Generalist	-	2.00	2.00
Human Resources Manager	1.00	1.00	-
Human Resources Specialist	1.00	1.00	-
Human Resources Technician	4.00	1.00	(3.00)
Human Resources Trainer	1.00	1.00	-
Receptionist	2.00	1.00	(1.00)
Wellness and Benefits Administrator	1.00	1.00	-
<b>Total Full-Time Positions</b>	<b>11.50</b>	<b>11.00</b>	<b>(0.50)</b>

## Expense Detail

Human Resources Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 867,438	\$ 870,440	\$ 886,355	\$ 944,825	\$ 74,385	8.55%
511060 - Overtime	2,735	7,000	7,000	10,000	3,000	42.86%
512000 - Social Security	63,071	66,330	65,220	70,700	4,370	6.59%
513000 - Workers' Comp Ins	1,539	1,440	1,655	1,330	(110)	-7.64%
513020 - Hospitalization Ins	143,145	155,130	136,650	147,700	(7,430)	-4.79%
513040 - Dental Ins	7,134	8,110	7,000	6,860	(1,250)	-15.41%
513060 - Life Ins	2,158	2,295	2,105	2,220	(75)	-3.27%
514000 - Retirement	101,815	100,710	100,710	130,505	29,795	29.58%
514010 - Retiree - Insurance	17,765	17,570	41,020	36,525	18,955	107.88%
514020 - Comp Absences-vacation	7,460	15,035	15,035	29,150	14,115	93.88%
514030 - Comp Absences-sick	27,885	19,010	19,010	-	(19,010)	-100.00%
515000 - Cell Phone Stipend	2,180	2,160	2,640	2,880	720	33.33%
<b>Personnel Total</b>	<b>\$ 1,244,326</b>	<b>\$ 1,265,230</b>	<b>\$ 1,284,400</b>	<b>\$ 1,382,695</b>	<b>\$ 117,465</b>	<b>9.28%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 2,589	\$ 6,945	\$ 6,945	\$ 7,445	\$ 500	7.20%
520110 - Computer Supplies	2,856	3,830	3,830	14,430	10,600	276.76%
520200 - Xerox Supplies	147	-	-	-	-	0.00%
520600 - Fuel, Oil and Lube	265	1,700	1,700	1,700	-	0.00%
520630 - Toll Fees	212	200	200	200	-	0.00%
521900 - Vehicle Supplies	156	300	300	300	-	0.00%
<b>Supplies Total</b>	<b>\$ 6,225</b>	<b>\$ 12,975</b>	<b>\$ 12,975</b>	<b>\$ 24,075</b>	<b>\$ 11,100</b>	<b>85.55%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 734	\$ 745	\$ 745	\$ 645	\$ (100)	-13.42%
531020 - Internet Service	1,684	1,440	1,440	1,440	-	0.00%
531310 - Special Studies & Rpts	38,680	21,500	21,500	21,500	-	0.00%
531350 - Driving Records	125	-	-	-	-	0.00%
531400 - Legal Service	82,302	8,000	8,000	20,000	12,000	150.00%
531520 - Employee Programs	263,378	275,015	275,015	292,305	17,290	6.29%
531600 - Printing & Binding	-	800	800	800	-	0.00%
531700 - Advertising	5,540	6,000	6,000	10,000	4,000	66.67%
531800 - Rent or Lease Payment	1,160	10,320	10,320	10,320	-	0.00%
531900 - Travel and Training	11,421	26,900	26,900	28,900	2,000	7.43%
532000 - Mem & Subscriptions	997	1,960	1,960	2,385	425	21.68%
532100 - Vehicle Maint	417	-	-	-	-	0.00%
532110 - Veh Maint by Solid Waste	386	300	300	300	-	0.00%
532300 - Postage	81	-	-	-	-	0.00%
533000 - Other Services	-	10,000	10,000	10,000	-	0.00%
533020 - Contract Labor	2,496	-	-	-	-	0.00%
533920 - Regulatory Fees & Asses	5,265	5,000	5,000	5,000	-	0.00%
<b>Services Total</b>	<b>\$ 414,665</b>	<b>\$ 367,980</b>	<b>\$ 367,980</b>	<b>\$ 403,595</b>	<b>\$ 35,615</b>	<b>9.68%</b>
<b>Grand Total</b>	<b>\$ 1,665,216</b>	<b>\$ 1,646,185</b>	<b>\$ 1,665,355</b>	<b>\$ 1,810,365</b>	<b>\$ 164,180</b>	<b>9.97%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$164,180 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Wages, Retirement and Compensated Absences - Vacation.
- Computer Supplies increased for additional DayForce (HR/Payroll Software) Professional Services and an additional laptop and projector for training.
- Legal increased based on trends.
- Advertising is higher due to the need for additional spending on hard to fill jobs.
- Employee Programs increased to add workplace survey tools.

# Records Department

## Overview

The Records Department is responsible for managing the District's records in accordance with the Local Government Records Act and the Texas Public Information Act. The department oversees how records are captured, managed, secured, retained and destroyed throughout the District. In addition, the department captures legacy records into the District's enterprise content management (ECM) system. As part of the District's digital transformation journey, the Records Department develops electronic forms, business processes and workflows for other departments.

## FY2022 Department Objectives (Supporting Strategic Goals)

### Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency

- Administrate the District's ECM (Laserfiche) to provide employees quick easy access to the District's records.
- Advance the digital transformation journey by creating forms electronically that automatically route and store in a secure repository while also increasing processing efficiency.
- Transition the District's records retention from permanent to following a records control schedule.
- Respond to Public Information Act (PIA) requests in a timely and transparent fashion (in accordance with Texas Government Code 552).
- Produce documents for litigation in a manner that is efficient for legal counsel.

### People: Build a talented, competent and committed team

- Support the District's employees by providing training to effectively use Laserfiche as an information and data source to promote policy and regulatory compliance while assisting in making well-informed decisions.
- Inform employees about available digital solutions that can replace traditional manual processes.
- Educate employees on the principles and procedures of record retention and how they are being instituted at the District.
- Train Records Liaisons to promote competent records management within their departments.
- Obtain and maintain the required training for all Records personnel to increase their competency in addressing the records management needs of the District.
- Participate in professional records and information management activities to foster relationships, collaborate with like entities and develop leadership skills while ascertaining ideas and strategies to implement at the District.

## Major Budget Drivers

- Compliance with the Texas Open Government Laws
- Transition from permanent records retention to adopting a records control schedule
- Personnel Support and Training, Software Licenses, Maintenance and Support
- Records Management of the Districts Social Media Accounts

## Position Summary

Records Department			
Full-Time Positions	FY21	FY22	Difference
Assistant Deputy (HR & Admin)	0.10	-	(0.10)
Digital Process Designer	-	1.00	1.00
Records Manager	1.00	1.00	-
Records Specialist (Digital Process Designer - In Lieu Of)	1.00	-	(1.00)
Records Technician	4.00	4.00	-
<b>Total Full-Time Positions</b>	<b>6.10</b>	<b>6.00</b>	<b>(0.10)</b>

## Expense Detail

Records Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 415,670	\$ 421,140	\$ 431,525	\$ 430,460	\$ 9,320	2.21%
511060 - Overtime	10,652	-	-	30,000	30,000	0.00%
512000 - Social Security	31,022	32,215	32,225	32,930	715	2.22%
513000 - Workers' Comp Ins	731	695	685	610	(85)	-12.23%
513020 - Hospitalization Ins	79,188	80,285	86,060	90,575	10,290	12.82%
513040 - Dental Ins	3,835	4,020	4,275	4,220	200	4.98%
513060 - Life Ins	1,046	1,120	1,095	1,040	(80)	-7.14%
514000 - Retirement	49,525	48,725	48,725	66,180	17,455	35.82%
514010 - Retiree - Insurance	8,640	8,500	8,500	18,520	10,020	117.88%
514020 - Comp Absences-vacation	2,185	6,185	6,185	-	(6,185)	-100.00%
515000 - Cell Phone Stipend	524	530	530	480	(50)	-9.43%
<b>Personnel Total</b>	<b>\$ 603,018</b>	<b>\$ 603,415</b>	<b>\$ 619,805</b>	<b>\$ 675,015</b>	<b>\$ 71,600</b>	<b>11.87%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 863	\$ 905	\$ 905	\$ 500	(405)	-44.75%
520110 - Computer Supplies	67,587	75,100	75,100	103,220	28,120	37.44%
<b>Supplies Total</b>	<b>\$ 68,450</b>	<b>\$ 76,005</b>	<b>\$ 76,005</b>	<b>\$ 103,720</b>	<b>\$ 27,715</b>	<b>36.46%</b>
<b>Services</b>						
531020 - Internet Service	\$ 377	\$ 480	\$ 480	\$ 700	220	45.83%
531700 - Advertising	-	-	80	-	-	0.00%
531800 - Rent or Lease Payment	10,659	12,500	12,500	12,500	-	0.00%
531900 - Travel and Training	9,177	5,820	4,370	5,820	-	0.00%
532000 - Mem & Subscriptions	1,810	620	2,070	620	-	0.00%
533000 - Other Services	2,970	4,900	4,900	4,900	-	0.00%
533020 - Contract Labor	31,130	51,850	51,770	51,850	-	0.00%
<b>Services Total</b>	<b>\$ 56,123</b>	<b>\$ 76,170</b>	<b>\$ 76,170</b>	<b>\$ 76,390</b>	<b>\$ 220</b>	<b>0.29%</b>
<b>Grand Total</b>	<b>\$ 727,591</b>	<b>\$ 755,590</b>	<b>\$ 771,980</b>	<b>\$ 855,125</b>	<b>\$ 99,535</b>	<b>13.17%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$99,535 from the FY21 Original Budget. Major variances are explained below:

- Personnel is higher due to increased Wages, Insurance and Retirement costs.
- Overtime increased to transition from a permanent records retention policy to adopting a records control schedule.
- Computer Supplies increased to cover additional items that were previously budgeted in the IT department as well as additional Laserfiche licenses and a replacement laptop.



## Safety Department

### Overview

The Health and Safety Department provides support across the District to assist with recommendations focused on maintaining safe operations while mitigating potential hazards to meet state and federal regulatory requirements. The Health and Safety Department includes Emergency Operations Management, Security, Hazardous Materials Assistance, Fire Protection and Risk Management (insurance) Business Functions.

### FY2022 Department Objectives (Supporting Strategic Goals)

**Service: Provide superior water, wastewater and solid waste services today and tomorrow**

- Meet or surpass regulatory requirements for safety and occupational health.
- Recommend hazard mitigation strategies to accomplish the work safely.

**Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Develop emergency management plans and response plans for all facilities.
- Identify critical emergency management roles and train staff for those assignments.
- Provide for adequate insurance coverage for the replacement value of District property.
- Ensure fire protection equipment is in a high state of readiness and fire prevention programs are effective to prevent loss of life and limit property destruction.

**Partnership: Actively collaborate with members, customers, partners, employees and stakeholders**

- Support relationships with Local Emergency Management Committees and local first responders to prepare for potential incident response requirements.
- Support relationships with the Texas Water Conservation Association Risk Management Fund to improve our employee return to work efforts.

**People: Build a talented, competent and committed team**

- Build and enhance a comprehensive, standards-based workplace safety program.
- Develop, promote and maintain a safety training program for all levels of the workforce.
- Promote wellness to encourage a healthy and productive workforce.
- Develop and administer a Health and Safety Information Management System to improve processes for the identification and tracking the abatement of potential hazards to health and safety.

### Major Budget Drivers

- Personnel
- Corporate Safety and Occupational Health Program Development and Training
- Corporate Emergency Management Program Development and Training

## Position Summary

### Safety Department

Full-Time Positions	FY21	FY22	Difference
Administrative Assistant	1.00	1.00	-
Assistant Deputy (HR & Admin)	0.40	-	(0.40)
Emergency Operations Program Manager	1.00	1.00	-
Health & Safety Manager	1.00	1.00	-
Information Systems Assistant	-	1.00	1.00
Physical Security Coordinator	-	1.00	1.00
Safety Coordinator (Emergency Operations)	1.00	1.00	-
Safety Coordinator (SW & Maint)	1.00	1.00	-
Safety Coordinator (Training)	1.00	1.00	-
Safety Coordinator (Wastewater)	1.00	1.00	-
Safety Coordinator (Water)	1.00	1.00	-
<b>Total Full-Time Positions</b>	<b>8.40</b>	<b>10.00</b>	<b>1.60</b>

## Expense Detail

Safety Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 784,606	\$ 795,030	\$ 829,375	\$ 876,255	\$ 81,225	10.22%
511060 - Overtime	2,637	-	-	3,250	3,250	0.00%
512000 - Social Security	56,135	59,530	63,225	65,360	5,830	9.79%
513000 - Workers' Comp Ins	11,643	11,805	11,505	10,610	(1,195)	-10.12%
513020 - Hospitalization Ins	113,250	113,810	112,155	138,205	24,395	21.43%
513040 - Dental Ins	6,133	6,480	6,150	6,605	125	1.93%
513060 - Life Ins	1,774	2,035	1,925	2,050	15	0.74%
514000 - Retirement	85,315	91,290	91,290	125,270	33,980	37.22%
514010 - Retiree - Insurance	14,885	15,925	24,640	35,060	19,135	120.16%
514020 - Comp Absences-vacation	14,330	8,780	8,780	-	(8,780)	-100.00%
514030 - Comp Absences-sick	2,805	13,390	13,390	32,665	19,275	143.95%
515000 - Cell Phone Stipend	3,496	3,550	4,075	4,800	1,250	35.21%
<b>Personnel Total</b>	<b>\$ 1,097,009</b>	<b>\$ 1,121,625</b>	<b>\$ 1,166,510</b>	<b>\$ 1,300,130</b>	<b>\$ 178,505</b>	<b>15.91%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 7,013	\$ 17,025	\$ 17,025	\$ 16,000	\$ (1,025)	-6.02%
520110 - Computer Supplies	50,807	50,000	50,000	92,580	42,580	85.16%
520300 - Clothing Supplies	263	-	-	-	-	0.00%
520600 - Fuel, Oil and Lube	2,727	9,615	9,615	8,600	(1,015)	-10.56%
520630 - Toll Fees	389	450	450	450	-	0.00%
520800 - Small Tools & Equip	58,399	34,300	25,255	46,850	12,550	36.59%
521110 - Safety Supplies	95,310	32,675	32,675	32,875	200	0.61%
521900 - Vehicle Supplies	2,055	2,800	2,800	2,800	-	0.00%
521910 - Tires and Tubes	-	1,400	1,400	1,400	-	0.00%
<b>Supplies Total</b>	<b>\$ 216,963</b>	<b>\$ 148,265</b>	<b>\$ 139,220</b>	<b>\$ 201,555</b>	<b>\$ 53,290</b>	<b>35.94%</b>

### Expense Detail (continued)

Safety Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
530300 - Automotive Insurance	\$ 3,370	\$ 4,595	\$ 4,595	\$ 8,075	\$ 3,480	75.73%
531020 - Internet Service	4,097	3,840	3,840	3,840	-	0.00%
531300 - Engin/Consultant Svc	-	20,000	20,000	210,000	190,000	950.00%
531400 - Legal Service	-	-	-	30,000	30,000	0.00%
531700 - Advertising	81	-	-	500	500	0.00%
531800 - Rent or Lease Payment	3,418	6,000	6,000	6,000	-	0.00%
531900 - Travel and Training	42,745	26,410	26,410	34,410	8,000	30.29%
532000 - Mem & Subscriptions	2,681	3,195	3,195	3,315	120	3.76%
532100 - Vehicle Maint	425	2,000	2,000	3,000	1,000	50.00%
532110 - Veh Maint by Solid Waste	788	2,000	2,000	3,000	1,000	50.00%
533000 - Other Services	-	98,000	98,000	50,000	(48,000)	-48.98%
533020 - Contract Labor	19,950	30,000	20,000	32,000	2,000	6.67%
533030 - Contractual Safety Serv	130,241	257,900	257,900	488,300	230,400	89.34%
534200 - Plant Security Services	-	100,000	-	-	(100,000)	-100.00%
<b>Services Total</b>	<b>\$ 207,796</b>	<b>\$ 553,940</b>	<b>\$ 443,940</b>	<b>\$ 872,440</b>	<b>\$ 318,500</b>	<b>57.50%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 142,355	\$ 313,500	\$ 32,545	\$ 499,500	\$ 186,000	59.33%
540700 - Non-Vehicle Equipment	-	45,000	45,000	8,750	(36,250)	-80.56%
<b>Capital Outlay Total</b>	<b>\$ 142,355</b>	<b>\$ 358,500</b>	<b>\$ 77,545</b>	<b>\$ 508,250</b>	<b>\$ 149,750</b>	<b>41.77%</b>
<b>Grand Total</b>	<b>\$ 1,664,122</b>	<b>\$ 2,182,330</b>	<b>\$ 1,827,215</b>	<b>\$ 2,882,375</b>	<b>\$ 700,045</b>	<b>32.08%</b>

### Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$700,045 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Wages, Insurance and Retirement costs. The department added 2 new head count. One new headcount transferred from another department.
- Contractual Safety Services increased due to safety training classes.
- Engineering/Consultant Services increased to allow for additional property appraisals for insurance requirements.
- Vehicle Equipment increased for a Hazmat Trailer and required vehicle to pull it. This was approved in the FY21 budget, but deferred to FY22 due to the delivery timetable being extended.
- Computer Supplies increased to allow for additional Maximo licenses.

## Accounting Department

### Overview

The Accounting Department key roles and responsibilities include accounts receivable, accounts payable, payroll, project accounting, accruals and journal entries, financial reporting in compliance with Generally Accepted Accounting Principles (GAAP) and maintaining financial controls. In addition, the department is responsible for management of all audits, implementation and maintenance of financial and payroll software, implementation of new Governmental Accounting Standards Board (GASB) standards, Internal Revenue Service (IRS) compliance and production of the Comprehensive Annual Financial Report.

### FY2021 Department Objectives (Supporting Strategic Goals)

#### Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency

- Produce the Comprehensive Annual Financial Report as well as monthly financial statements to achieve financial clarity and transparency.
- Continue to obtain the Certificate of Achievement for Excellence in Financial Reporting from the Government Finance Officers Association (GFOA).
- Continue to look for new ways to create labor efficiencies through utilization of technology.

#### Partnership: Actively collaborate with members, customers, partners, employees and stakeholders

- Provide accurate financial reports to both internal departments and Member Cities and Customers, stakeholders and banking institutions.
- Provide internal trainings to meet the needs of individual departments.
- Complete the bi-weekly payroll process in a timely manner to meet the needs of our employees.
- Maintain positive relationships with vendors and reporting agencies.

#### People: Build a talented, competent and committed team

- Provide opportunities to attend internal and external training in leadership, technology and compliance.

### Major Budget Drivers

- Personnel
- Annual Audit Fees
- Accounting and Payroll software

### Position Summary

Accounting Department			
Full-Time Positions	FY21	FY22	Difference
Accounting Manager	1.00	1.00	-
Accounting Technician	5.00	5.00	-
Accounts Payable Supervisor	1.00	1.00	-
Accounts Receivable Specialist	1.00	1.00	-
Assistant Accounting Manager	1.00	1.00	-
Assistant Deputy (Finance)	0.50	0.50	-
Financial Reporting Accountant	1.00	1.00	-
Payroll Supervisor	1.00	1.00	-
Senior Accountant	1.00	1.00	-
Senior Project Accountant	1.00	1.00	-
Staff Accountant	2.00	2.00	-
<b>Total Full-Time Positions</b>	<b>15.50</b>	<b>15.50</b>	<b>-</b>

## Expense Detail

Accounting Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 1,257,654	\$ 1,282,040	\$ 1,206,885	\$ 1,269,955	\$ (12,085)	-0.94%
511060 - Overtime	3,545	27,655	27,655	20,480	(7,175)	-25.94%
512000 - Social Security	89,984	97,665	89,820	96,340	(1,325)	-1.36%
513000 - Workers' Comp Ins	2,175	2,120	2,030	1,795	(325)	-15.33%
513020 - Hospitalization Ins	188,595	197,745	214,015	227,305	29,560	14.95%
513040 - Dental Ins	10,706	11,195	12,065	11,750	555	4.96%
513060 - Life Ins	2,998	3,340	2,965	3,010	(330)	-9.88%
514000 - Retirement	150,735	148,005	148,005	183,160	35,155	23.75%
514010 - Retiree - Insurance	26,300	25,820	41,095	51,260	25,440	98.53%
514020 - Comp Absences-vacation	10,365	16,815	16,815	9,125	(7,690)	-45.73%
514030 - Comp Absences-sick	-	32,115	32,115	-	(32,115)	-100.00%
515000 - Cell Phone Stipend	1,180	1,440	1,040	1,200	(240)	-16.67%
<b>Personnel Total</b>	<b>\$ 1,744,237</b>	<b>\$ 1,845,955</b>	<b>\$ 1,794,505</b>	<b>\$ 1,875,380</b>	<b>\$ 29,425</b>	<b>1.59%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 2,218	\$ 3,000	\$ 3,000	\$ 3,000	-	0.00%
520110 - Computer Supplies	284,563	298,825	298,825	304,700	5,875	1.97%
<b>Supplies Total</b>	<b>\$ 286,781</b>	<b>\$ 301,825</b>	<b>\$ 301,825</b>	<b>\$ 307,700</b>	<b>\$ 5,875</b>	<b>1.95%</b>
<b>Services</b>						
530100 - Audit	\$ 150,000	\$ 123,200	\$ 122,135	\$ 123,400	\$ 200	0.16%
531020 - Internet Service	864	1,080	1,080	1,080	-	0.00%
531520 - Employee Programs	80	-	-	-	-	0.00%
531600 - Printing & Binding	-	-	1,065	1,100	1,100	0.00%
531700 - Advertising	72	-	-	-	-	0.00%
531800 - Rent or Lease Payment	9,203	14,560	10,995	14,560	-	0.00%
531900 - Travel and Training	14,304	24,200	24,200	24,200	-	0.00%
532000 - Mem & Subscriptions	1,794	2,090	2,090	2,090	-	0.00%
532300 - Postage	-	-	65	-	-	0.00%
533920 - Regulatory Fees & Asses	35	35	3,535	35	-	0.00%
534000 - Uninsured losses	(197,142)	-	-	-	-	0.00%
<b>Services Total</b>	<b>\$ (20,789)</b>	<b>\$ 165,165</b>	<b>\$ 165,165</b>	<b>\$ 166,465</b>	<b>\$ 1,300</b>	<b>0.79%</b>
<b>Grand Total</b>	<b>\$ 2,010,229</b>	<b>\$ 2,312,945</b>	<b>\$ 2,261,495</b>	<b>\$ 2,349,545</b>	<b>\$ 36,600</b>	<b>1.58%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$36,600 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Insurance and Retirement costs.

## Finance Department

### Overview

The Finance Department is responsible for the planning, development and maintenance of the annual budgets. The department also manages all short and long-term financing for the District and performs post-issuance administrative functions. In addition, the department is responsible for all banking relationships, cash management, investment portfolio management and continuing disclosure compliance, as well as the establishment and monitoring of all investment, debt and continuing disclosure policies and procedures.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency

- Continuously improve the annual budgeting process for clarity and more transparency.
- Meet quarterly with all departments on budget variance reviews.
- Develop short and long-term forecasts to identify risks and determine future resource needs.
- Continue the complete and accurate reporting of the District's finances, including producing monthly financial statements and focus on the development of policies and procedures.

#### Partnership: Actively collaborate with members, customers, partners, employees and stakeholders

- Manage the banking relationships and work with consultants to capitalize on favorable market conditions to lower the cost of borrowing.

### Major Budget Drivers

- Personnel

### Position Summary

Finance Department			
Full-Time Positions	FY21	FY22	Difference
Accounting Technician (Contract Coordinator - In Lieu Of)	1.00	0.00	(1)
Assistant Deputy (Finance)	0.50	0.50	-
Assistant Finance Manager	1.00	1.00	-
Budget Coordinator	1.00	1.00	-
Debt & Investment Supervisor	1.00	1.00	-
Finance Manager	1.00	1.00	-
Financial Analyst	2.00	2.00	-
Financial Analyst (Special Projects)	0.00	1.00	1
Financial Analyst I	1.00	1.00	-
Financial Assistant	1.00	1.00	-
Investment Coordinator	1.00	1.00	-
<b>Total Full-Time Positions</b>	<b>10.50</b>	<b>10.50</b>	<b>-</b>

## Expense Detail

Finance Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 892,386	\$ 890,105	\$ 847,120	\$ 931,000	\$ 40,895	4.59%
512000 - Social Security	64,113	68,085	61,790	71,235	3,150	4.63%
513000 - Workers' Comp Ins	1,548	1,465	1,380	1,310	(155)	-10.58%
513020 - Hospitalization Ins	181,471	189,660	169,595	179,565	(10,095)	-5.32%
513040 - Dental Ins	9,318	9,795	8,730	8,645	(1,150)	-11.74%
513060 - Life Ins	2,147	2,315	2,125	2,190	(125)	-5.40%
514000 - Retirement	102,630	102,985	102,985	136,505	33,520	32.55%
514010 - Retiree - Insurance	17,905	17,965	46,220	38,205	20,240	112.66%
514020 - Comp Absences-vacation	5,160	12,375	12,375	12,770	395	3.19%
515000 - Cell Phone Stipend	2,340	2,640	2,360	2,640	-	0.00%
<b>Personnel Total</b>	<b>\$ 1,279,018</b>	<b>\$ 1,297,390</b>	<b>\$ 1,254,680</b>	<b>\$ 1,384,065</b>	<b>\$ 86,675</b>	<b>6.68%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 10,054	\$ 15,000	\$ 15,000	\$ 15,000	-	0.00%
520110 - Computer Supplies	21,029	21,530	21,530	23,475	1,945	9.03%
521100 - Medical Supplies	-	295	295	295	-	0.00%
521110 - Safety Supplies	-	300	300	300	-	0.00%
<b>Supplies Total</b>	<b>\$ 31,082</b>	<b>\$ 37,125</b>	<b>\$ 37,125</b>	<b>\$ 39,070</b>	<b>\$ 1,945</b>	<b>5.24%</b>
<b>Services</b>						
530900 - General Liability Ins	\$ 15,974	\$ 20,790	\$ 20,790	\$ 19,235	\$ (1,555)	-7.48%
531020 - Internet Service	754	1,800	1,800	2,400	600	33.33%
531310 - Special Studies & Rpts	330	-	-	-	-	0.00%
531600 - Printing & Binding	4,008	8,000	8,000	8,000	-	0.00%
531800 - Rent or Lease Payment	1,708	1,625	1,625	1,625	-	0.00%
531900 - Travel and Training	16,696	5,100	5,100	5,100	-	0.00%
532000 - Mem & Subscriptions	1,335	3,060	3,060	3,060	-	0.00%
532300 - Postage	721	1,900	1,900	1,900	-	0.00%
532400 - Office Equip Maint	-	250	250	250	-	0.00%
533020 - Contract Labor	123,889	190,000	415,000	255,000	65,000	34.21%
<b>Services Total</b>	<b>\$ 165,415</b>	<b>\$ 232,525</b>	<b>\$ 457,525</b>	<b>\$ 296,570</b>	<b>\$ 64,045</b>	<b>27.54%</b>
<b>Grand Total</b>	<b>\$ 1,475,515</b>	<b>\$ 1,567,040</b>	<b>\$ 1,749,330</b>	<b>\$ 1,719,705</b>	<b>\$ 152,665</b>	<b>9.74%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$152,665 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Wages and Retirement costs.
- Computer Supplies increased to allow for laptop replacements.
- Contract Labor increased due to the Amawalk District-wide review as a result of the PUC litigation settlement.



## Purchasing Department

### Overview

The Purchasing Department is responsible for acquiring goods, general and professional services (non-construction) by managing the solicitation process, developing strategic sourcing and negotiation plans and administering of contract terms to ensure compliance. In addition, the department will maintain related policies and procedures. These procurement activities provide cost savings/avoidance opportunities and bring workflow efficiency to the District.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### Service: Provide superior water, wastewater and solid waste services today and tomorrow

- Support operational requirements by understanding business needs in order to buy products and services at the right price, from a reliable source, backed by a comprehensive specification to ensure proper quantities, delivery and expected outcome.

#### Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency

- Identify the best value for organizational spend based upon cost, quality, risk and other factors through the procurement process.
- Serve as stewards of the District funds by ensuring compliance with internal policy, directives and industry best practices.
- Create savings opportunities by aggregating commodities, negotiating price when applicable and procuring goods and general services from a competitive vendor pool.

#### Partnership: Actively collaborate with members, customers, partners, employees and stakeholders

- Serve as an internal support group that collaborates with departments to provide advice and direction for the development of procurement plans, while delivering a high level of customer service.
- Develop and maintain relationships with internal departments and vendors to assist in resolving contractual issues and as a resource to explain and interpret best practices.

#### People: Build a talented, competent and committed team

- Build a team of credentialed procurement professionals with strong ethics and integrity involving the procurement process.
- Create procurement training plans for Purchasing team, internal departments and vendor community.

### Major Budget Drivers

- Personnel
- Training
- eProcurement Software

### Position Summary

Purchasing Department			
Full-Time Positions	FY21	FY22	Difference
Contract Administrator	3.00	-	(3.00)
Purchasing Agent	-	1.00	1.00
Purchasing Manager	1.00	1.00	-
Senior Buyer	-	3.00	3.00
<b>Total Full-Time Positions</b>	<b>4.00</b>	<b>5.00</b>	<b>1.00</b>

## Expense Detail

Purchasing Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 302,312	\$ 372,520	\$ 331,255	\$ 456,295	\$ 83,775	22.49%
512000 - Social Security	22,231	28,205	24,375	34,295	6,090	21.59%
513000 - Workers' Comp Ins	697	610	530	645	35	5.74%
513010 - Unemployment Ins	4,114	-	-	-	-	0.00%
513020 - Hospitalization Ins	36,033	62,315	46,430	63,115	800	1.28%
513040 - Dental Ins	2,243	4,050	2,815	3,190	(860)	-21.23%
513060 - Life Ins	653	960	810	1,085	125	13.02%
514000 - Retirement	44,205	51,615	51,615	67,625	16,010	31.02%
514010 - Retiree - Insurance	7,715	9,005	39,230	18,925	9,920	110.16%
514020 - Comp Absences-vacation	-	2,880	2,880	4,450	1,570	54.51%
515000 - Cell Phone Stipend	920	960	1,720	1,920	960	100.00%
<b>Personnel Total</b>	<b>\$ 421,124</b>	<b>\$ 533,120</b>	<b>\$ 501,660</b>	<b>\$ 651,545</b>	<b>\$ 118,425</b>	<b>22.21%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 1,211	\$ 11,000	\$ 11,000	\$ 11,000	-	0.00%
520110 - Computer Supplies	26,895	30,560	30,560	30,560	-	0.00%
520630 - Toll Fees	-	200	200	200	-	0.00%
521100 - Medical Supplies	-	105	105	105	-	0.00%
521900 - Vehicle Supplies	-	175	175	175	-	0.00%
<b>Supplies Total</b>	<b>\$ 28,106</b>	<b>\$ 42,040</b>	<b>\$ 42,040</b>	<b>\$ 42,040</b>	<b>\$ -</b>	<b>0.00%</b>
<b>Services</b>						
531020 - Internet Service	\$ 180	\$ 540	\$ 540	\$ 540	-	0.00%
531400 - Legal Service	8,545	15,000	15,000	30,000	15,000	100.00%
531600 - Printing & Binding	194	1,425	1,425	1,425	-	0.00%
531800 - Rent or Lease Payment	-	4,050	4,050	4,050	-	0.00%
531900 - Travel and Training	4,793	11,150	11,150	11,150	-	0.00%
532000 - Mem & Subscriptions	1,680	1,290	1,290	1,290	-	0.00%
532300 - Postage	-	1,900	1,900	1,900	-	0.00%
532400 - Office Equip Maint	-	250	250	250	-	0.00%
533020 - Contract Labor	2,800	15,000	15,000	15,000	-	0.00%
<b>Services Total</b>	<b>\$ 18,192</b>	<b>\$ 50,605</b>	<b>\$ 50,605</b>	<b>\$ 65,605</b>	<b>\$ 15,000</b>	<b>29.64%</b>
<b>Grand Total</b>	<b>\$ 467,422</b>	<b>\$ 625,765</b>	<b>\$ 594,305</b>	<b>\$ 759,190</b>	<b>\$ 133,425</b>	<b>21.32%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$133,425 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Wages and Retirement costs and the addition of a new Senior Buyer position.
- Legal increased due to the need for additional contracts to be reviewed.

## Information Technology

### Overview

The Information Technology (IT) Department provides technology services and support for all divisions and departments within NTMWD. It includes two divisions: Information Systems (IS) and IT Business Support. The IS team enables efficient asset and maintenance management functions. It promotes information sharing through communication and collaboration by providing systems that support the achievement of District goals. Services include access and management of the enterprise asset and work management system (Maximo), geographic information system (GIS), web-based collaborative platform (SharePoint), a range of reporting and business intelligence tools, as well as data analysis and mining, data visualization, interactive dashboards, process improvement, new technology solution evaluations and more. The IT Business Support team is responsible for planning, development and maintenance of the network and infrastructure including servers, client systems, end user support, remote access, guest access, email and the recently upgraded unified communications system. The team also administers cyber security protections including endpoint security, spam control, malware, intrusion, impersonation, denial of service and phishing protection.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### **Service: Provide superior water, wastewater and solid waste services today and tomorrow**

- Continue the development of an enterprise-wide data sharing model for real time data analytics and informative dashboards.

#### **Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Develop and maintain NTMWD information requirements taking into account the interests of all stakeholders.
- Ensure quality data input into Maximo, GIS, SharePoint and other Data Mart source systems to substantially improve usability, reliability and access to asset, infrastructure, resource and other information utilized to make informed decisions.

#### **Partnership: Actively collaborate with members, customers, partners, employees and stakeholders**

- Develop a policy for shared data across NTMWD disciplines and software systems to increase efficiencies and decrease duplicated work efforts.
- Provide technology solutions to ensure comprehensive and consistent internal communication of information and data.
- Ensure all employees are aware of current events within the IT department including developments in the cyber security arena.
- Enable a culture of collaboration, provide guidance and training to teams using advanced communication technologies.
- Advocate for closer ties between disparate work groups and develop unified communications solution to facilitate emergency communications.

#### **People: Build a talented, competent and committed team**

- Attract and retain a highly qualified IS team.
- Provide opportunities and incentives for team member training to effectively perform the required duties while staying current in professional and/or technical skill levels.
- Develop and maintain a team member recognition program to effectively communicate value and appreciation of effort and commitment.

### Major Budget Drivers

- Personnel
- Contractor support for system maintenance, development & growth
- Equipment refreshment and network resources

## Position Summary

Information Technology Department			
Full-Time Positions	FY21	FY22	Difference
Administrative Technician	1.00	1.00	-
Assistant Deputy (Information Technology)	-	0.20	0.20
Assistant Deputy (Technology & Support)	0.20	-	(0.20)
Control Systems Senior Technician (IT Sr Tech - In Lieu Of)	1.00	-	(1.00)
GIS Analyst	1.00	1.00	-
GIS Assistant	-	1.00	1.00
GIS Coordinator	1.00	1.00	-
Information Systems Analyst	1.00	1.00	-
Information Systems Assistant	4.00	2.00	(2.00)
Information Systems Manager	1.00	1.00	-
Information Systems Senior Technician	1.00	1.00	-
Information Systems Technician	2.00	1.00	(1.00)
Information Technology Administrator	-	2.00	2.00
Information Technology Manager	1.00	1.00	-
Information Technology Senior Technician	1.00	-	(1.00)
Information Technology Supervisor	1.00	1.00	-
Information Technology Technician	2.00	2.00	-
Sharepoint Administrator	-	1.00	1.00
Technical Project Coordinator	-	1.00	1.00
<b>Total Full-Time Positions</b>	<b>18.20</b>	<b>18.20</b>	<b>-</b>

## Expense Detail

Information Technology Department						
	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 1,239,440	\$ 1,263,655	\$ 1,266,580	\$ 1,300,460	\$ 36,805	2.91%
511060 - Overtime	40,635	7,500	7,500	12,500	5,000	66.67%
512000 - Social Security	91,991	95,525	97,890	99,485	3,960	4.15%
513000 - Workers' Comp Ins	2,185	2,080	2,285	1,845	(235)	-11.30%
513010 - Unemployment Ins	2,028	-	-	-	-	0.00%
513020 - Hospitalization Ins	236,185	256,570	239,860	249,065	(7,505)	-2.93%
513040 - Dental Ins	12,483	13,380	12,955	12,825	(555)	-4.15%
513060 - Life Ins	3,064	3,355	3,080	3,160	(195)	-5.81%
514000 - Retirement	154,910	151,535	151,535	211,710	60,175	39.71%
514010 - Retiree - Insurance	27,025	26,440	77,220	59,250	32,810	124.09%
514020 - Comp Absences-vacation	-	3,945	3,945	22,330	18,385	466.03%
514030 - Comp Absences-sick	9,355	3,895	3,895	-	(3,895)	-100.00%
515000 - Cell Phone Stipend	7,648	7,775	7,420	7,295	(480)	-6.17%
<b>Personnel Total</b>	<b>\$ 1,826,949</b>	<b>\$ 1,835,655</b>	<b>\$ 1,874,165</b>	<b>\$ 1,979,925</b>	<b>\$ 144,270</b>	<b>7.86%</b>

## Expense Detail (continued)

Information Technology Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520100 - Office Supplies	\$ 2,463	\$ 2,700	\$ 2,700	\$ 2,700	\$ -	0.00%
520110 - Computer Supplies	1,419,457	1,330,560	1,330,560	1,373,610	43,050	3.24%
520200 - Xerox Supplies	10,364	16,140	16,140	16,140	-	0.00%
520600 - Fuel, Oil and Lube	679	4,200	4,200	3,500	(700)	-16.67%
520630 - Toll Fees	115	250	250	250	-	0.00%
520800 - Small Tools & Equip	121	-	-	1,500	1,500	0.00%
521110 - Safety Supplies	333	1,230	1,230	1,230	-	0.00%
521900 - Vehicle Supplies	763	1,050	1,050	1,050	-	0.00%
521910 - Tires and Tubes	250	1,500	1,500	1,000	(500)	-33.33%
<b>Supplies Total</b>	<b>\$ 1,434,546</b>	<b>\$ 1,357,630</b>	<b>\$ 1,357,630</b>	<b>\$ 1,400,980</b>	<b>\$ 43,350</b>	<b>3.19%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 3,078	\$ 3,110	\$ 3,110	\$ 2,695	\$ (415)	-13.34%
531000 - Telephone	13,345	54,000	13,000	54,000	-	0.00%
531020 - Internet Service	202,889	183,370	183,370	179,470	(3,900)	-2.13%
531310 - Special Studies & Rpts	-	-	-	75,000	75,000	0.00%
531600 - Printing & Binding	40	125	125	125	-	0.00%
531700 - Advertising	74	700	700	700	-	0.00%
531900 - Travel and Training	7,865	21,940	21,940	23,500	1,560	7.11%
532000 - Mem & Subscriptions	231	815	815	815	-	0.00%
532100 - Vehicle Maint	59	1,400	100	-	(1,400)	-100.00%
532110 - Veh Maint by Solid Waste	1,093	-	1,300	1,400	1,400	0.00%
533000 - Other Services	1,250	-	-	-	-	0.00%
533020 - Contract Labor	404,207	585,480	626,480	620,480	35,000	5.98%
<b>Services Total</b>	<b>\$ 634,131</b>	<b>\$ 850,940</b>	<b>\$ 850,940</b>	<b>\$ 958,185</b>	<b>\$ 107,245</b>	<b>12.60%</b>
<b>Capital Outlay</b>						
540400 - Office Equipment	\$ 265,201	\$ 200,000	\$ 200,000	\$ 160,000	\$ (40,000)	-20.00%
<b>Capital Outlay Total</b>	<b>\$ 265,201</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 160,000</b>	<b>\$ (40,000)</b>	<b>-20.00%</b>
<b>Grand Total</b>	<b>\$ 4,160,827</b>	<b>\$ 4,244,225</b>	<b>\$ 4,282,735</b>	<b>\$ 4,499,090</b>	<b>\$ 254,865</b>	<b>6.00%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$254,865 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Wages and Retirement costs.
- Computer Supplies are higher for additional Maximo licenses.
- Contract Labor increased due to the Microsoft 365 Sharepoint migration and pen test.
- Special Studies & Reports increased to include a cost of service study.

# Environmental Services Department

## Overview

The Environmental Services Department performs field investigations and monitoring services from stream to tap and back to stream. Environmental Services routinely samples the various creeks, rivers, and lakes in the vast NTMWD watershed. Licensed operators collect compliance samples for the TCEQ under the Revised Total Coliform Rule which ensures safe drinking water throughout the distribution system. Additionally, trained staff collect samples and field measurements for NTMWD permit renewals. Environmental Services coordinates with the RWS, RWWS and RSWS to determine the needs of each system to improve operations, fulfill regulatory requirements and evaluate environmental impacts of activities. The department stays abreast of new technologies, current research and current regulations to determine the possible impacts on operations.

## FY2022 Department Objectives (Supporting Strategic Goals)

### Service: Provide superior water, wastewater and solid waste services today and tomorrow

- Routinely monitor the quality of raw water supplies.
- Provide support to operations through various monitoring projects to ensure superior services and meet permit requirements.

### Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency

- Ability to respond and assess environmental impacts for overflows.

### Partnership: Actively collaborate with members, customers, partners, employees and stakeholders

- Collaborate and participate in the Quality Assurance Project Plans with the Trinity River Authority, Red River Authority and Sulphur River Authority for the Clean Rivers Program.
- Collaborate and participate in the Quality Assurance Project Plans with the Texas State Soil and Water Conservation Board for the Watershed Protection Plan.

### People: Build a talented, competent and committed team

- Hire skilled employees and develop them through in-house and on the job training.
- Ensure staff obtain and maintain a Class C, TCEQ Water Distribution/Operator license.
- Provide personal protective equipment and safety gear for all aspects of the position.

## Major Budget Drivers

- Personnel
- Vehicles and boats
- Monitoring equipment

## Position Summary

Environmental Services Department			
Full-Time Positions	FY21	FY22	Difference
Administrative Technician	0.20	0.20	-
Assistant Deputy (Information Technology)	-	0.20	0.20
Assistant Deputy (Technology & Support)	0.20	-	(0.20)
Environmental Analyst	0.90	0.90	-
Environmental Program Coordinator	0.40	0.40	-
Environmental Program Manager	0.60	0.60	-
Environmental Services Manager	0.25	0.25	-
Environmental Specialist I	1.00	1.00	-
Environmental Specialist II	1.00	1.00	-

## Position Summary (continued)

## Environmental Services Department

Full-Time Positions	2018-19	FY20	Difference
Environmental Supervisor I	1.00	1.00	-
Environmental Technician II	3.00	3.00	-
Quality System Technician	1.00	-	(1.00)
WIMS Analyst	-	1.00	1.00
<b>Total Full-Time Positions</b>	<b>9.55</b>	<b>9.55</b>	<b>-</b>

## Expense Detail

Environmental Services Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 600,819	\$ 597,580	\$ 559,165	\$ 633,735	\$ 36,155	6.05%
511060 - Overtime	503	2,000	2,000	2,000	-	0.00%
512000 - Social Security	43,771	45,720	41,360	48,475	2,755	6.03%
513000 - Workers' Comp Ins	12,266	11,690	10,745	10,645	(1,045)	-8.94%
513010 - Unemployment Ins	1,616	-	-	-	-	0.00%
513020 - Hospitalization Ins	86,378	91,840	92,210	101,220	9,380	10.21%
513040 - Dental Ins	4,918	5,295	4,830	4,530	(765)	-14.45%
513060 - Life Ins	1,509	1,615	1,430	1,550	(65)	-4.02%
514000 - Retirement	77,030	69,135	69,135	93,940	24,805	35.88%
514010 - Retiree - Insurance	13,440	12,060	47,540	26,290	14,230	117.99%
514020 - Comp Absences-vacation	20,990	3,420	3,420	-	(3,420)	-100.00%
514030 - Comp Absences-sick	76,450	21,375	21,375	27,860	6,485	30.34%
515000 - Cell Phone Stipend	3,874	4,005	3,770	4,005	-	0.00%
<b>Personnel Total</b>	<b>\$ 943,564</b>	<b>\$ 865,735</b>	<b>\$ 856,980</b>	<b>\$ 954,250</b>	<b>\$ 88,515</b>	<b>10.22%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 1,421	\$ 1,000	\$ 1,000	\$ 1,000	-	0.00%
520110 - Computer Supplies	46,609	30,000	30,000	32,000	2,000	6.67%
520200 - Xerox Supplies	8,181	-	-	5,000	5,000	0.00%
520300 - Clothing Supplies	4,103	5,725	5,725	5,725	-	0.00%
520600 - Fuel, Oil and Lube	4,592	8,000	8,000	8,000	-	0.00%
520630 - Toll Fees	145	400	400	400	-	0.00%
520800 - Small Tools & Equip	2,389	2,500	2,500	2,500	-	0.00%
521000 - Laboratory Supplies	15,183	16,015	16,015	16,015	-	0.00%
521110 - Safety Supplies	1,469	1,730	1,730	1,730	-	0.00%
521700 - Building Supplies	276	-	-	-	-	0.00%
521900 - Vehicle Supplies	2,693	5,000	5,000	5,000	-	0.00%
521910 - Tires and Tubes	1,072	3,000	3,000	3,000	-	0.00%
522000 - Equipment Supplies	8,484	10,970	10,970	10,000	(970)	-8.84%
<b>Supplies Total</b>	<b>\$ 96,619</b>	<b>\$ 84,340</b>	<b>\$ 84,340</b>	<b>\$ 90,370</b>	<b>\$ 6,030</b>	<b>7.15%</b>



### Expense Detail (continued)

Environmental Services Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
530300 - Automotive Insurance	\$ 3,050	\$ 2,945	\$ 2,945	\$ 3,215	\$ 270	9.17%
531020 - Internet Service	4,416	5,280	5,280	5,280	-	0.00%
531310 - Special Studies & Rpts	-	30,000	30,000	-	(30,000)	-100.00%
531800 - Rent or Lease Payment	-	10,000	10,000	5,000	(5,000)	-50.00%
531900 - Travel and Training	3,824	5,680	5,680	5,680	-	0.00%
532000 - Mem & Subscriptions	626	1,560	1,560	1,560	-	0.00%
532100 - Vehicle Maint	1,360	2,550	2,550	2,550	-	0.00%
532110 - Veh Maint by Solid Waste	2,558	4,000	4,000	4,000	-	0.00%
532200 - Equipment Maintenance	910	3,750	3,750	3,750	-	0.00%
532300 - Postage	54	400	400	400	-	0.00%
532850 - Building Maintenance	-	34,040	34,040	15,000	(19,040)	-55.93%
533500 - Lab Svc - Contract	-	250	250	250	-	0.00%
<b>Services Total</b>	<b>\$ 16,799</b>	<b>\$ 100,455</b>	<b>\$ 100,455</b>	<b>\$ 46,685</b>	<b>\$ (53,770)</b>	<b>-53.53%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	-	-	-	51,500	51,500	0.00%
541000 - Laboratory Equipment	\$ 12,347	\$ 15,000	\$ 15,000	\$ 15,000	-	0.00%
<b>Capital Outlay Total</b>	<b>\$ 12,347</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 66,500</b>	<b>\$ 51,500</b>	<b>343.33%</b>
<b>Grand Total</b>	<b>\$ 1,069,328</b>	<b>\$ 1,065,530</b>	<b>\$ 1,056,775</b>	<b>\$ 1,157,805</b>	<b>\$ 92,275</b>	<b>8.66%</b>

### Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$92,275 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Wages, Insurance and Retirement costs.
- Special Studies & Reports decreased due to a lower need in FY22.
- Vehicle equipment increased for the purchase of a replacement vehicle.

## Laboratory Services Department

### Overview

The NTMWD Environmental Laboratory maintains NELAC Institute (TNI) Accreditation through the TCEQ. TNI Accreditation is required for most analyses performed in accordance with regulatory permit compliance under the Safe Drinking and Clean Water Acts. The Laboratory provides essential analytical services for potable and non-potable water parameters in support of Water, Wastewater, Solid Waste, Pretreatment Programs, as well as for our Member Cities and Customers. Additionally, the Laboratory validates treatment plant operations with daily process control analyses.

### FY2022 Department Objectives (Supporting Strategic Goals)

#### **Service: Provide superior water, wastewater and solid waste services today and tomorrow**

- Apply proven technologies and processes to assist with the improvement of water quality.
- Provide superior service to the customer using some of the latest techniques.
- Provide accurate data using state of the art equipment.
- Continue EPA approved certified laboratory operations.

#### **Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Ensure data produced is accurate and defensible for the customer.
- Maintain a clean environment to protect the integrity of samples.
- Prepare and produce quality controls for all analyses generated.
- Operate a state approved Quality Assurance/ Quality Control program.
- Generate and provide customer reports in a timely manner.

#### **Partnership: Actively collaborate with members, customers, partners, employees and stakeholders**

- Provide monthly reports to ensure the Member Cities and Customers are well informed.
- Communicate new regulations and rule changes from state and federal regulators.
- Provide a well-informed and knowledgeable customer service group.
- Reduce customer cost by providing sample containers and chain of custodies.
- Help Member Cities with additional analysis in an effort to reduce customer complaints.

#### **People: Build a talented, competent and committed team**

- Staff laboratory with highly educated and skilled employees.
- Guarantee all staff are certified through an internal certification program.
- Provide proper personal protective equipment for each employee.
- Perform quarterly safety meetings.
- Promote wellness and a healthy lifestyle.

### Major Budget Drivers

- Personnel
- Capital Equipment purchases
- Equipment Maintenance
- Laboratory Supplies

## Position Summary

### Laboratory Services Department

Full-Time Positions	FY21	FY22	Difference
Administrative Assistant / Senior Laboratory Technician	1.00	-	(1.00)
Administrative Technician	0.20	0.20	-
Assistant Deputy (Information Technology)	-	0.20	0.20
Assistant Deputy (Technology & Support)	0.20	-	(0.20)
Chemist / Biologist	5.00	5.00	-
Deputy QA / QC Officer / Laboratory Safety Officer	1.00	1.00	-
Environmental Services Manager	0.25	0.25	-
Laboratory Data Validator	1.00	1.00	-
Laboratory Manager	1.00	1.00	-
Laboratory QA / QC Officer	1.00	1.00	-
LIMS Administrator	1.00	1.00	-
Operations Manager	1.00	1.00	-
Sample Control Technician	2.00	2.00	-
Sample Control Technician II	1.00	1.00	-
Section Chief / Section Supervisor	4.00	4.00	-
Senior Laboratory Technician	10.00	11.00	1.00
Senior Sample Control Technician	2.00	2.00	-
<b>Total Full-Time Positions</b>	<b>31.65</b>	<b>31.65</b>	<b>-</b>

## Expense Detail

Laboratory Services Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 2,127,931	\$ 2,133,915	\$ 2,069,520	\$ 2,212,870	\$ 78,955	3.70%
511060 - Overtime	5,047	10,000	10,000	10,000	-	0.00%
512000 - Social Security	156,543	163,245	159,210	169,280	6,035	3.70%
513000 - Workers' Comp Ins	12,697	12,295	12,030	10,955	(1,340)	-10.90%
513020 - Hospitalization Ins	354,566	373,175	376,195	406,910	33,735	9.04%
513040 - Dental Ins	14,058	14,950	14,980	15,050	100	0.67%
513060 - Life Ins	5,219	5,690	5,250	5,345	(345)	-6.06%
514000 - Retirement	253,585	247,200	247,200	327,105	79,905	32.32%
514010 - Retiree - Insurance	44,240	43,130	85,090	91,545	48,415	112.25%
514020 - Comp Absences-vacation	-	23,420	23,420	18,650	(4,770)	-20.37%
515000 - Cell Phone Stipend	2,118	2,135	1,980	2,135	-	0.00%
<b>Personnel Total</b>	<b>\$ 2,976,005</b>	<b>\$ 3,029,155</b>	<b>\$ 3,004,875</b>	<b>\$ 3,269,845</b>	<b>\$ 240,690</b>	<b>7.95%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 5,312	\$ 5,000	\$ 5,000	\$ 5,000	-	0.00%
520110 - Computer Supplies	11,897	48,000	48,000	40,000	(8,000)	-16.67%
520200 - Xerox Supplies	5,930	-	-	4,000	4,000	0.00%
520300 - Clothing Supplies	8,614	10,020	10,020	10,020	-	0.00%
520600 - Fuel, Oil and Lube	523	1,000	1,000	1,000	-	0.00%
520630 - Toll Fees	-	150	150	150	-	0.00%
520800 - Small Tools & Equip	23,451	20,000	20,000	25,000	5,000	25.00%
520810 - Fire Extinguishers	176	535	535	535	-	0.00%

## Expense Detail (continued)

Laboratory Services Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies (continued)</b>						
521000 - Laboratory Supplies	\$ 293,037	\$ 375,000	\$ 375,000	\$ 375,000	\$ -	0.00%
521110 - Safety Supplies	6,820	8,000	8,000	8,000	-	0.00%
521700 - Building Supplies	4,132	10,000	10,000	10,000	-	0.00%
521900 - Vehicle Supplies	233	800	800	800	-	0.00%
521910 - Tires and Tubes	-	175	175	175	-	0.00%
522000 - Equipment Supplies	14,283	40,000	40,000	40,000	-	0.00%
523000 - Other Supplies	55,045	65,000	65,000	65,000	-	0.00%
<b>Supplies Total</b>	<b>\$ 429,455</b>	<b>\$ 583,680</b>	<b>\$ 583,680</b>	<b>\$ 584,680</b>	<b>\$ 1,000</b>	<b>0.17%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 955	\$ 970	\$ 970	\$ 840	\$ (130)	-13.40%
530400 - Fire & Exten Cov Ins	5,713	6,790	6,790	8,585	1,795	26.44%
531020 - Internet Service	945	480	480	480	-	0.00%
531100 - Electric Power	87,838	58,800	81,715	58,800	-	0.00%
531110 - Nat Gas, Butane & Kero	10,140	18,000	18,000	18,000	-	0.00%
531120 - Retail Water Service	2,828	3,500	3,500	3,500	-	0.00%
531310 - Special Studies & Rpts	-	-	-	100,000	100,000	0.00%
531700 - Advertising	183	300	300	300	-	0.00%
531800 - Rent or Lease Payment	-	8,000	8,000	4,000	(4,000)	-50.00%
531900 - Travel and Training	5,617	11,065	11,065	11,065	-	0.00%
532000 - Mem & Subscriptions	837	1,440	1,440	1,440	-	0.00%
532100 - Vehicle Maint	17	250	250	250	-	0.00%
532110 - Veh Maint by Solid Waste	315	750	750	750	-	0.00%
532200 - Equipment Maintenance	331,243	144,100	144,100	144,100	-	0.00%
532300 - Postage	57	100	100	100	-	0.00%
532850 - Building Maintenance	36,244	112,300	112,300	50,000	(62,300)	-55.48%
533020 - Contract Labor	15,970	5,000	5,000	5,000	-	0.00%
533500 - Lab Svc - Contract	24,616	20,000	20,000	20,000	-	0.00%
533900 - Permits, Ins, & Lic Fees	3,055	3,500	3,500	3,500	-	0.00%
<b>Services Total</b>	<b>\$ 526,572</b>	<b>\$ 395,345</b>	<b>\$ 418,260</b>	<b>\$ 430,710</b>	<b>\$ 35,365</b>	<b>8.95%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	-	-	-	34,000	34,000	0.00%
541000 - Laboratory Equipment	\$ 7,774	\$ 120,000	\$ 120,000	\$ 126,000	\$ 6,000	5.00%
<b>Capital Outlay Total</b>	<b>\$ 7,774</b>	<b>\$ 120,000</b>	<b>\$ 120,000</b>	<b>\$ 160,000</b>	<b>\$ 40,000</b>	<b>33.33%</b>
<b>Grand Total</b>	<b>\$ 3,939,805</b>	<b>\$ 4,128,180</b>	<b>\$ 4,126,815</b>	<b>\$ 4,445,235</b>	<b>\$ 317,055</b>	<b>7.68%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$317,055 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Wages, Insurance and Retirement costs.
- Special Studies & Reports increased for a cost of service study that will help develop a cost schedule for sample analysis.
- Vehicle Equipment increased to purchase a replacement vehicle.

# Regulatory Compliance Department

## Overview

The Regulatory Compliance Department serves as an internal consultant to the District on environmental and regulatory issues. Regulatory Compliance partners with stakeholder divisions to ensure compliance with local, state and federal regulations and to foster a culture of environmental stewardship. The Regulatory Compliance Department is committed to continuous improvement, pollution prevention and environmental compliance.

## FY2022 Department Objectives (Supporting Strategic Goals)

**Stewardship: Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency**

- Assess regulatory risks.
- Develop and implement pollution prevention programs to protect air, land and watershed.

**Partnership: Actively collaborate with members, customers, partners, employees and stakeholders**

- Liaise with U.S. EPA, TCEQ, Texas Parks and Wildlife, City and County staff.

**People: Build a talented, competent and committed team**

- Serve as internal consultants to NTMWD staff on regulatory issues.
- Train NTMWD staff on environmental compliance programs.

## Major Budget Drivers

- Personnel
- Continuing education in multiple environmental and regulatory arenas

## Position Summary

Regulatory Compliance Department			
Full-Time Positions	FY21	FY22	Difference
Assistant Deputy (Technology & Support)	0.20	-	(0.20)
Assistant Deputy (Information Technology)	-	0.20	0.20
Environmental Compliance Coordinator	1.00	1.00	-
Environmental Compliance Manager	1.00	1.00	-
Environmental Services Manager	0.25	0.25	-
Senior Environmental Health & Safety Specialist	1.00	1.00	-
<b>Total Full-Time Positions</b>	<b>3.45</b>	<b>3.45</b>	<b>-</b>

## Expense Detail

Regulatory Compliance Department	2019-20	2020-21	2020-21	2021-22	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 333,528	\$ 326,095	\$ 327,415	\$ 349,240	\$ 23,145	7.10%
512000 - Social Security	23,824	24,950	23,745	26,715	1,765	7.07%
513000 - Workers' Comp Ins	4,259	3,955	3,865	3,645	(310)	-7.84%
513020 - Hospitalization Ins	52,243	54,320	54,320	57,575	3,255	5.99%
513040 - Dental Ins	2,156	2,265	2,240	2,235	(30)	-1.32%
513060 - Life Ins	788	835	810	815	(20)	-2.40%
514000 - Retirement	39,485	37,730	37,730	51,210	13,480	35.73%
514010 - Retiree - Insurance	6,890	6,580	6,580	14,330	7,750	117.78%
514020 - Comp Absences-vacation	2,020	4,440	4,440	3,840	(600)	-13.51%
514030 - Comp Absences-sick	-	-	-	6,485	6,485	0.00%
515000 - Cell Phone Stipend	1,638	1,655	1,660	1,655	-	0.00%
<b>Personnel Total</b>	<b>\$ 466,831</b>	<b>\$ 462,825</b>	<b>\$ 462,805</b>	<b>\$ 517,745</b>	<b>\$ 54,920</b>	<b>11.87%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	-	0.00%
520110 - Computer Supplies	3,284	4,200	4,200	6,000	1,800	42.86%
520300 - Clothing Supplies	19	900	900	1,800	900	100.00%
520600 - Fuel, Oil and Lube	180	3,800	3,800	3,800	-	0.00%
520630 - Toll Fees	115	300	300	300	-	0.00%
520800 - Small Tools & Equip	448	350	350	350	-	0.00%
521110 - Safety Supplies	246	1,315	1,315	1,315	-	0.00%
521900 - Vehicle Supplies	152	1,400	1,400	1,400	-	0.00%
521910 - Tires and Tubes	-	700	700	350	(350)	-50.00%
<b>Supplies Total</b>	<b>\$ 5,444</b>	<b>\$ 13,965</b>	<b>\$ 13,965</b>	<b>\$ 16,315</b>	<b>\$ 2,350</b>	<b>16.83%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 716	\$ 730	\$ 730	\$ 630	(100)	-13.70%
531020 - Internet Service	1,862	1,440	1,440	1,440	-	0.00%
531310 - Special Studies & Rpts	-	5,000	5,000	5,000	-	0.00%
531400 - Legal Service	9,400	20,000	20,000	21,500	1,500	7.50%
531900 - Travel and Training	11,591	8,400	8,400	8,400	-	0.00%
532000 - Mem & Subscriptions	1,462	2,000	2,000	2,000	-	0.00%
532100 - Vehicle Maint	17	1,600	1,600	1,600	-	0.00%
532110 - Veh Maint by Solid Waste	370	1,600	1,600	1,600	-	0.00%
532850 - Building Maintenance	-	9,160	9,160	9,160	-	0.00%
533020 - Contract Labor	-	5,000	5,000	5,000	-	0.00%
<b>Services Total</b>	<b>\$ 25,418</b>	<b>\$ 54,930</b>	<b>\$ 54,930</b>	<b>\$ 56,330</b>	<b>\$ 1,400</b>	<b>2.55%</b>
<b>Grand Total</b>	<b>\$ 497,693</b>	<b>\$ 531,720</b>	<b>\$ 531,700</b>	<b>\$ 590,390</b>	<b>\$ 58,670</b>	<b>11.03%</b>

## Major FY22 Budget Items

The department's FY22 Proposed Budget has increased by \$58,670 from the FY21 Original Budget. Major variances are explained below:

- Personnel increased due to higher Wages, Insurance and Retirement costs.



Wylie WTP Plant 4 - Construction (Lavon Lake in background)





# APPENDIX

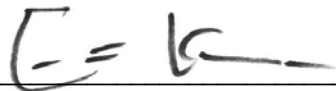
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Government Treasurers' Organization of Texas  
**Certification of Investment Policy**

Presented to the

*North Texas Municipal Water District*

for developing an investment policy that meets the requirements of the Public Funds Investment Act and the standards for prudent public investing established by the Government Treasurers' Organization of Texas.



Government Treasurers' Organization of Texas  
President



Investment Policy Review Committee

**For the two-year period ending September 30, 2023**

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**2021-22  
CAPITAL PROJECTS**

## CAPITAL PROJECTS FY2022

## Regional Water System

Project	Project Driver	Description	Construction Cost Estimate
Wylie WTP Plant IV Filter Complex Wall Repair	Maintaining Aging Infrastructure	Construction of Wall Repair at Wylie WTP IV filters. Construction is done using the Construction Manager At-Risk (CMAR) delivery method.	\$6M - \$15M
Wylie WTP II, Electrical Buildings Improvements	Maintaining Aging Infrastructure	Design and construction to replace electrical system, rehabilitation of sedimentation basin control panels and install additional lighting for electrical building nos. 1, 2 and 3 at the Wylie WTP.	\$2M - \$5M
Interstate 30 Water and Wastewater Relocations	Expanding/New Growth	Design and construction for relocations of water pipelines, wastewater force mains and wastewater gravity sewers due to Texas Department of Transportation (TxDOT) road work.	\$2M - \$5M
North Garland System Ground Storage Tank	Regulatory Requirements	Design and construction of 16 MG ground storage to enhance the reliability of maintaining the desired pressure range in North Garland transmission system. Preliminary design is in progress.	\$16M-\$25M
East System Control Valve Vault	Expanding/New Growth	Design and construction of a new meter valve vault to replace an aged meter vault that will service between High Service Pump Station (HSPS) 3-1 and the East transmission system. Design and construction also includes the addition of a 48-inch bypass pipeline for the new valve vault to allow more flow through the bypass into the East transmission system.	\$2M - \$5M
Trinity River Main Stem Pump Station Lock and Dam Structure	Expanding/New Growth	Design and construction of erosion control to add armoring of the channel abutments to prevent scouring. Design and construction includes anchoring the lock and dam structure to increase stability. Also construct bank stabilization at the Main Stem Pump Station Air Burst Building.	\$6M - \$15M
Forney Delivery Point No. 1 Site Improvements	Maintaining Aging Infrastructure	Construct improvements to the pump station and ground storage tank at the Forney Pump Station.	< \$2M
Wylie WTP II Ferric Sulfate Storage and Feed Improvements	Maintaining Aging Infrastructure	Design to replace day tanks for WTP II ferric sulfate. Design also includes replacement of pumps, motors, valves, as well as rehabilitation or replacement of storage tanks for the WTP II ferric sulfate.	\$2M - \$5M
Hailey Pump Station, Ground Storage Tank Rehabilitation and Site Improvements, and Forney to Terrell Pump Station Communications Tower	Maintaining Aging Infrastructure	Construct improvements to the pump station, tanks and the Mesquite No. 1 delivery point. Addition of a communications tower at the Forney to Terrell Pump Station.	\$2M - \$5M
Bonham WTP Intake Improvements	Maintaining Aging Infrastructure	Provide design basis recommendations from the Preliminary Design Report prior to commencing final design and construction. Preliminary design is currently in progress.	\$2M - \$5M
Wylie to Garland 42-Inch Pipeline Relocation	Expanding/New Growth	Relocate 1,400 linear feet of 42-inch pipeline between Brown Street and Marble Street adjacent to US Highway 78 in Wylie.	\$2M - \$5M

**Regional Water System (continued)**

Project	Project Driver	Description	Construction Cost Estimate
FM 2514 Pipeline Relocations	Expanding/New Growth	Installation of approximately 1,400 linear feet of new pipeline and associated pipeline appurtenances and isolation valves between two existing 14-inch and 20-inch waterlines. This relocation is needed due to TxDOT doing road widening of FM 2514.	\$2M - \$5M
Wylie WTP Conversion to Biologically Active Filtration (BAF)	Maintaining Aging Infrastructure	Addition of a contracted program manager for Improvements for phased transition of each of the four Wylie WTPs to BAF. Construction is being done using the CMAR delivery method.	\$2M - \$5M
Water Treatment Plant Site Back-Up Power Improvements	Expanding/New Growth	Provide evaluations and recommendations based upon the Preliminary Design to develop and deliver an emergency backup power system to insure sustained operability of the Wylie WTP in the event of a utility power outage. Preliminary design is currently in progress.	\$26M - \$50M
Waterline Relocations for TxDOT Road Improvements	Expanding/New Growth	Design for relocations of water pipelines, wastewater force mains, and wastewater gravity sewers due to TxDOT road work.	\$6M - \$15M
Wylie WTP III Outfall Improvements	Maintaining Aging Infrastructure	Improvements and upgrades at the Wylie WTP III for stormwater runoff.	\$2M - \$5M
Plano-McKinney Water Transmission System Phase I, Relocation of 84" and 42" Pipelines	Expanding/New Growth	Relocate approximately 3,600 feet of 84" waterline due to road widening.	\$2M - \$5M
Security Improvements Phase III	Expanding/New Growth	Site security improvements at the Wylie WTP complex.	< \$2M
Texoma Pipeline Improvements Phase III	Maintaining Aging Infrastructure	Design for cathodic protection improvements.	< \$2M
Supervisory Control and Data Acquisition (SCADA) System Upgrade 2022	Expanding/New Growth	Commence design for routine annual SCADA system upgrades.	< \$2M
North Water Transmission System SCADA Network Split	Expanding/New Growth	Addition of a new data concentrator, network equipment, an in-plant Radio Frequency, and a remote Radio Frequency. Construct a new radio building, add a backup generator, and add plant fiber.	\$2M - \$5M
Systemwide Meter Vault Improvements - Setpoint Control Phase IV	Maintaining Aging Infrastructure	Construct delivery point meter vault upgrades to current NTMWD standards. Includes new control valve, flow meter, vault, electrical and SCADA.	\$6M - \$15M
Maintenance Facilities for Central Region, Phase II	Expanding/New Growth	Construction of a new central regional maintenance building, complete with enclosed equipment storage bays. Fees disbursed through RWS (80%), RWWS (15%), and the UEFIS (5%).	\$16M - \$25M
Lower Bois d'Arc Creek Reservoir - US 69/NTMWD Way Improvements Railroad Realignment	Expanding/New Growth	Design for a rail track realignment and addition of concrete pavement to County Road (CR) 4965. This is required in order to access the Leonard WTP via US 69. Design and construction will correct the elevation difference of the railroad tracks at the crossing with CR 4965.	\$2M - \$5M



**Regional Water System (continued)**

Project	Project Driver	Description	Construction Cost Estimate
Lower Bois d'Arc Creek Reservoir - State Highway (SH) 78/NTMWD Way Improvements Approach	Expanding/New Growth	Design to reconstruct the intersection of Texas SH 78 and NTMWD Way to improve the line of sight for vehicles entering and exiting the Leonard WTP site to the south onto SH 78.	< \$2M
Lower Bois d'Arc Creek Reservoir - 25 Kilovolt (kV) South Loop and Transformers	Expanding/New Growth	The initial phase of design and construction by Fannin County Electric Co-Operative (FCEC) only included enough power for Bois d'Arc Lake Phases I and II. Design for a secondary loop around the south portion of the Leonard WTP site and addition of transformers at the electrical substation will cover power extensions needed to supply Phases III and IV at the Leonard WTP site.	\$6M - \$15M
Expand Leonard WTP High Service Pump Station from 90 MGD to 180 MGD	Expanding/New Growth	Design for Phase II of the Leonard WTP HSPS to expand capacity to 180 MGD.	> \$50M
Leonard WTP Terminal Storage Reservoir Phase II (210 MG)	Expanding/New Growth	Design for Phase II of the Leonard WTP Terminal Storage Reservoir to add a second cell adjacent to the North Terminal Storage Reservoir. This is needed to expand the Terminal Storage Reservoir capacity to 210 MG.	> \$50M
Lower Bois d'Arc Creek Reservoir Pump Station - Additional Pumps to 144 MGD	Expanding/New Growth	Design for Phase II to add additional pumps, yard piping, valves, electrical and additional appurtenances to increase capacity.	\$26M - \$50M
140 MGD Leonard WTP Site Phase II	Expanding/New Growth	Design for Phase II of the Leonard WTP to expand capacity to 140 MGD.	> \$50M
Wylie WTP Ammonia System Improvements	Maintaining Aging Infrastructure	Construct improvements to existing ammonia facilities at all four Wylie Water Treatment Plants. Construction is part of the CMAR for the Wylie WTP Conversion to BAF.	\$6M - \$15M
Wylie WTP IV, Liquid Treatment Improvements	Maintaining Aging Infrastructure	Design improvements for Flocculation Basins (1-4): Seal cracks, replace baffles, overhaul mechanical mechanisms, miscellaneous electrical and instrumentation. Design improvements for Rapid Mix (1-4) Seal cracks, replace platform, replace rapid mix assembly, miscellaneous electrical and replace ferric meters.	\$6M - \$15M
Apollo and Shiloh Pump Stations Physical Security Improvements	Regulatory Requirements	Design and construction for site security at two pump stations in the water transmission system.	< \$2M
McKinney No. 3 Delivery Point to McKinney Delivery Point No. 4 Pipeline	Expanding/New Growth	Additional design for construction of a 72-inch water transmission line between proposed McKinney Delivery Point No. 4 and the existing McKinney Delivery Point No. 3, which connects the Leonard WTP treated water pipeline to the NTMWD's North transmission system. This provides additional treated water transmission capacity and addresses projected capacity needs in the North transmission system.	\$26M - \$50M

**Regional Water System (continued)**

Project	Project Driver	Description	Construction Cost Estimate
Wylie WTP Process Residual Improvements Phase II	Expanding/New Growth	Design for thickening improvements at the Wylie WTP including new gravity thickeners, settled solids piping, piping to redirect lagoon decant to thickeners and new thickener pumps.	\$26M - \$50M
Wylie to Rockwall Pipeline Relocation, Phase II	Expanding/New Growth	Relocate section of existing 20-inch pipeline due to TxDOT road work. Upsize section of 20-inch pipeline to 42 inches. Install multiple interconnects in East transmission system. Phase I is currently in construction.	\$16M - \$25M
Cooper Pipeline Embankment Improvements Near FM 3218 in Commerce, Texas - Phase II	Maintaining Aging Infrastructure	Design and construction of erosion control improvements on the Cooper Raw Water Pipeline.	< \$2M
Wylie WTP III, Plant Water Improvements	Maintaining Aging Infrastructure	Upgrade plant water system for Wylie WTP III. Includes replacing and adding pumps, piping and valves.	\$2M - \$5M
Texoma Raw Water Pipeline Fiber Optic Improvements	Maintaining Aging Infrastructure	Install approximately 26 miles of fiber optic along 72-inch Texoma Raw Water Pipeline from Howe Balancing Reservoir to Texoma Raw Water Pump Station	\$2M - \$5M
Wylie Water Treatment Plants II, III and IV Filter Media Improvements	Maintaining Aging Infrastructure	Design for replacement of existing filter media at Wylie WTPs II, III and IV.	\$26M - \$50M
Wylie WTP II, Structural and Mechanical Improvements Phase II	Maintaining Aging Infrastructure	Structural and mechanical improvements at Wylie WTP II filters, clearwells and backwash pump station. Construction is part of the CMAR project for the Wylie WTP Conversion to BAF.	\$16M - \$25M
36" Plano West Side Pipeline (to Plano No. 3 and Richardson No. 2)	Maintaining Aging Infrastructure	Construct a new 36-inch parallel water transmission pipeline to add redundancy and replace aging infrastructure at two delivery point locations.	\$16M - \$25M
Shiloh System Ground Storage Tank	Regulatory Requirements	Construct a new ground storage tank with associated yard piping, site work and SCADA to enhance the reliability of maintaining the desired pressure range in Shiloh System.	\$6M - \$15M
Wylie WTP III, Filters	Maintaining Aging Infrastructure	Design for improvements to Filters: Replace 16-inch air pipelines, miscellaneous piping, update lighting and replace instrumentation and control. Design for improvements to the Pneumatic System: Replace components of filter influent, effluent and sludge pneumatic system.	\$16M - \$25M
Water Transmission Pipeline Condition Assessment	Maintaining Aging Infrastructure	Transmission pipeline inspection using advanced method as part of comprehensive linear asset management program.	\$2M - \$5M
Water Transmission Pipeline Improvements	Maintaining Aging Infrastructure	Transmission pipeline repair and replacement based on recommendations from transmission pipeline condition assessment.	\$2M - \$5M

**Regional Water System (continued)**

Project	Project Driver	Description	Construction Cost Estimate
Wylie WTP Rush Creek Channelization	Expanding/New Growth	Construct improvements for erosion protection at the Wylie WTP site to address concerns of localized flooding under certain storm conditions. Improve drainage to reduce standing water on the Wylie WTP site. This will provide NTMWD personnel easier access to facilities at the Wylie WTP site.	\$2M - \$5M
Texoma Surge Mixing and Blending Tanks Improvements	Maintaining Aging Infrastructure	Construction for the Mixing/Aeration system for Texoma surge, mixing and blending tanks at Wylie WTP.	\$2M - \$5M
Raw Water Pump Station No. 1 Improvements	Maintaining Aging Infrastructure	Design for sealing cracks, making foundation repairs, and repairing exterior damage. Design also includes a new sump pump and improvements for ventilation. Further design includes replacement of piping, pumps, valves, flow meter, PLC, level floats, and miscellaneous equipment.	\$6M - \$15M
North System Air Valve Improvements Phase II	Maintaining Aging Infrastructure	Addition or replacement of air valves in the North Transmission System.	\$2M - \$5M
Additional Clearwells at Wylie WTP 2024	Expanding/New Growth	Design for a new clearwell to provide additional storage capacity at the Wylie WTP.	\$16M - \$25M
Casa View Pump Station Mechanical Improvements	Maintaining Aging Infrastructure	Design for rehabilitation and/or replacement of existing pumps.	\$2M - \$5M
High Service Pump Stations 2-2 and 2-3 Control Valve Improvements	Maintaining Aging Infrastructure	Construct pump control valve improvements at high service pump stations 2-2 and 2-3.	\$6M - \$15M
Wylie WTP II, Plant Water Improvements	Maintaining Aging Infrastructure	Construction of Wylie WTP I and II plant water upgrades including adding piping and valves to loop the system and adding chlorine injectors for backup.	\$2M - \$5M

**Wastewater System Projects**

Project	Project Driver	Description	Construction Cost Estimate
Sister Grove Regional Water Resource Recovery Facility	Expanding/New Growth	Program Management for construction of the Regional Water Resource Recovery Facility (RWRRF).	\$2M - \$5M
North McKinney Transfer Force Mains	Expanding/New Growth	Construction of approximately 5 miles of twin 48-inch force mains from the North McKinney Transfer Lift Station to the Sister Grove RWRRF.	\$26M - \$50M
North McKinney Transfer Lift Station	Expanding/New Growth	Construction of 128 MGD transfer lift station adjacent to the existing North McKinney Lift Station.	\$26M - \$50M
Forney Mustang Creek Lift Station Phase II and Forney Force Main Improvements	Capacity - Peak Flow	Construction of lift station expansion from 12 MGD to 30 MGD and connection to repurposed existing force main.	\$16M - \$25M
South Mesquite Regional WWTP Peak Flow Management and Expansion Phase I	Capacity - Peak Flow	Design and construction of Peak Flow Basin and Influent Lift Station as first phase towards expansion to 41 MGD Annual Average Daily Flow.	> \$50M

**Wastewater System Projects (continued)**

Project	Project Driver	Description	Construction Cost Estimate
Buffalo Creek Parallel Interceptor Phase I	Capacity - Peak Flow	Additional construction services for approximately 8 miles of parallel 48-inch gravity sewer from the Buffalo Creek WWTP to FM 740. Project currently in construction.	< \$2M
Stewart Creek West WWTP Process Improvements	Maintaining Aging Infrastructure	Design and construction of additional blowers and rehabilitation of deteriorated Primary Clarifier No. 1 mechanisms.	< \$2M
Rowlett Creek Regional WWTP Primary Clarifier No. 1 Rehabilitation	Maintaining Aging Infrastructure	Design and construction to rehabilitate deteriorated Primary Clarifier No. 1 structural and mechanical areas.	\$2M - \$5M
Lower East Fork Regional Water Resource Recovery Facility	Expanding/New Growth	Conceptual design for a new RWRFF to treat wastewater flows beyond the treatment capacity of the South Mesquite RWWTP.	< \$2M
Wilson Creek Regional WWTP Improvements, Phase I	Maintaining Aging Infrastructure	Design of improvements to the Wilson Creek RWWTP including electrical improvements.	\$26M - \$50M
Muddy Creek WWTP Operations Building Improvements	Expanding/New Growth	Construction of Operations Building expansion including offices, training room, restrooms, lockers and meeting space.	< \$2M
North McKinney Parallel Interceptor	Capacity - Peak Flow	Construction of approximately 2 miles of parallel 66-inch gravity interceptor from FM 546 to the Wilson Creek RWWTP.	\$6M - \$15M
Sloan Creek Lift Station	Expanding/New Growth	Construction of a 10.3 MGD lift station to serve Allen and Fairview.	\$6M - \$15M
Sloan Creek Force Main	Expanding/New Growth	Construction of approximately 9 miles of dual 12-inch and 20-inch force main from the Sloan Creek Lift Station to the Wilson Creek Lift Station.	\$6M - \$15M
Floyd Branch Regional WWTP Peak Flow Management	Capacity - Peak Flow	Design of Peak Flow management based on Master Plan recommendations.	\$6M - \$15M
UEFIS Bypass Connection and Phase II Valve Improvements	Maintaining Aging Infrastructure	Construction of isolation valves, check valves and surge valves at seven lift stations and four force mains in the UEFIS. Includes bypass connections at four UEFIS lift stations.	\$2M - \$5M
Preston Road Lift Station Expansion	Capacity - Peak Flow	Design of lift station expansion based on Preliminary Design recommendations.	\$26M - \$50M
121 Force Main Improvements	Maintaining Aging Infrastructure	Design of improvements to the existing 30-inch force main from the Preston Road Lift Station to the Wilson Creek Lift Station.	\$16M - \$25M
Rowlett Creek Regional WWTP Operations Building	Expanding/New Growth	Construction of Operations Building at the Rowlett Creek RWWTP.	\$6M - \$15M
Plano-McKinney Water Transmission System Phase I, Relocation of 60" Rowlett Cottonwood Transfer Sewer Parallel	Expanding/New Growth	Construction of relocating approximately one mile of 60-inch gravity sewer due to TxDOT road widening.	\$6M - \$15M
Muddy Creek WWTP Peak Flow Storage Basin and Expansion	Expanding/New Growth	Design of expansion from 10 MGD Average Annual Daily Flow to 12.5 MGD with Peak Flow Basin and Influent Lift Station.	> \$50M
McKinney-Prosper Transfer Sewer Phase I	Capacity - Peak Flow	Construction of approximately 2 miles of parallel 72/54-inch gravity interceptor from Wilson Creek Lift Station to US-75. Includes bore across US-75.	\$16M - \$25M

**Wastewater System Projects (continued)**

Project	Project Driver	Description	Construction Cost Estimate
Princeton Force Main Replacement	Capacity - Peak Flow	Design of replacing approximately 4 miles of 12/18-inch force main from the Princeton Lift Station to FM 546.	\$6M - \$15M
Princeton Lift Station Expansion to 25 MGD	Capacity - Peak Flow	Design of the Princeton Lift Station Expansion from 12 MGD to 25 MGD.	\$6M - \$15M
Buffalo Creek Interceptor Tunnel	Capacity - Peak Flow	Construction of approximately 2 miles of 78-inch deep gravity tunnel interceptor between the Buffalo Creek Lift Station and the South Mesquite RWWTP. The tunnel will cross under the East Fork of the Trinity River.	\$26M - \$50M
Sabine Creek WWTP Expansion to 7 MGD	Expanding/New Growth	Expansion of the Sabine Creek WWTP with peak flow basins, influent lift station among other treatment facilities.	\$26M - \$50M
UEFIS SCADA System Upgrade 2022	Maintaining Aging Infrastructure	Design of SCADA system upgrades in the UEFIS.	< \$2M
Rowlett Creek Regional WWTP Peak Flow Management Phase II Electrical Improvements	Capacity - Peak Flow	Construction of upgrades to existing electrical equipment and electrical building with blowers on the Rowlett Creek RWWTP site.	< \$2M
Rowlett Creek Regional WWTP Peak Flow Management Phase IIA Solids Improvements	Capacity - Peak Flow	Construction of solids facilities as part of peak flow treatment expansion at the Rowlett Creek RWWTP.	\$26M - \$50M
Wilson Creek Transfer Force Mains	Expanding/New Growth	Construction of approximately 3 miles of twin 42-inch force mains from the Wilson Creek Lift Station to the North McKinney Lift Station.	\$16M - \$25M
Beck Branch Lift Station Improvements, Prairie Creek Lift Station Improvements, and Renner Road Lift Station HVAC Improvements	Maintaining Aging Infrastructure	Design of pump replacement, electrical improvements and HVAC improvements at three lift stations.	\$2M - \$5M
Squabble Creek WWTP Decommission	Maintaining Aging Infrastructure	Design of decommissioning of the Squabble Creek WWTP.	< \$2M
McKinney East Side Extension Improvements	Capacity - Peak Flow	Construction of replacing approximately 3 miles of gravity interceptor with 54/60-inch sewer from North McDonald Street to the North McKinney Lift Station.	\$16M - \$25M
Lower Rowlett Creek Lift Station Improvements	Maintaining Aging Infrastructure	Preliminary design for pump and motor replacements, valve replacements, among other appurtenances.	\$2M - \$5M
South Mesquite Regional WWTP Peak Flow Management and Expansion Phase II	Capacity - Peak Flow	Design of South Mesquite RWWTP expansion to 41 MGD average daily flow. Project includes peak flow basin, influent lift station, connect to influent tunnel and backup power among other facilities.	> \$50M

**Solid Waste System Projects**

Project	Project Driver	Description	Construction Cost Estimate
North Transfer Station - Environmental Site Assessment	Expanding/New Growth	Environmental evaluation for a new transfer station in the northern portion of the NTMWD service area.	< \$2M
121 Regional Disposal Facility (RDF) Fleet Maintenance Facility and Fleet Maintenance Annex Facility	Expanding/New Growth	Design of expansion to existing facility with 12,000 square feet for six additional truck bays and 10,000 square feet for offices. Includes parts room, restrooms, locker space and storage space. A portion of the building will be hardened as staff refuge during inclement weather.	\$6M - \$15M
121 RDF Heavy Equipment Shop Addition	Maintaining Aging Infrastructure	Construction of expansion to existing facility for additional parts room, storage, and maintenance work bays.	\$2M - \$5M
North Transfer Station	Expanding/New Growth	Property Acquisition and permitting for a new Solid Waste Transfer Station in Frisco.	\$16M - \$25M
Parkway Transfer Station Conversion to Top Load	Maintaining Aging Infrastructure	Design for conversion of the Parkway transfer station in Plano from side loading trucks to top loading trucks.	\$2M - \$5M
Wylie Service Center	Expanding/New Growth	Design for remodeling of the existing service center located at the Wylie Water Treatment Plant.	\$2M - \$5M
121 RDF South Slope Closure	Maintaining Aging Infrastructure	Construction of final landfill cover for 75 Acres on the south slope of the 121 RDF Landfill.	\$2M - \$5M

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**2021-22**  
**UPCOMING BOND ISSUES**

## UPCOMING BOND ISSUES

System / Project	Type	Est Award	Amount
<b>Regional Water System - 06/30/2022 ECP Refunding</b>			
Wylie WTP Master Plan	Eng	Jul-21	\$ 1,400,000
Wylie WTP II, Structural and Mechanical Improvements Phase I	Cnstr	Aug-21	16,760,000
Wylie WTP II, Structural and Mechanical Improvements Phase I	Insp	Aug-21	390,000
Wylie WTP II, Electrical Building Improvements	Eng	Aug-21	300,000
Wylie WTP IV Filter - Complex Wall Repair	Cnstr	Aug-21	90,000
Trinity River Lock & Dam No. 7 Stabilization Emergency Bank Stabilization at MSPS Air Burst Building	Cnstr	Sep-21	5,761,000
North Garland System Ground Storage Tank	Eng	Sep-21	1,050,000
Interstate 30 Water and Wastewater Relocations	Eng	Sep-21	250,000
Waterline Relocations for Texas Department of Transportation (TxDOT) Road Improvements	Eng	Oct-21	250,000
Wylie WTP IV Filter - Complex Wall Repair	Cnstr	Oct-21	9,500,000
Wylie WTP IV Filter - Complex Wall Repair	Cnstr	Oct-21	(6,250,000)
Wylie WTP IV Filter - Complex Wall Repair	Insp	Oct-21	567,000
Wylie WTP II, Ferric Sulfate Storage and Feed Improvements	Eng	Oct-21	350,000
Trinity River Main Stem Pump Station Lock and Dam Structure	Eng	Oct-21	180,000
Wylie to Garland 42-Inch Pipeline Relocation	Cnstr	Oct-21	2,059,000
Hailey Pump Station, Ground Storage Tank Rehabilitation and Site Improvements and Forney to Terrell Pump Station Communications Tower	Cnstr	Oct-21	3,738,000
Hailey Pump Station, Ground Storage Tank Rehabilitation and Site Improvements and Forney to Terrell Pump Station Communications Tower	Insp	Oct-21	140,000
Wylie WTP III Outfall Improvements	Cnstr	Oct-21	2,640,000
Wylie WTP III Outfall Improvements	Insp	Oct-21	55,000
Bonham WTP Intake Improvements	Eng	Oct-21	450,000
FM 2514 Pipeline Relocations	Cnstr	Oct-21	3,200,000
Wylie WTP Conversion to BAF - Contract Program Management (BAF CMAR)	Eng	Oct-21	5,000,000
SCADA System Upgrade 2022	Eng	Nov-21	163,000
North Water Transmission System SCADA Network Split	Cnstr	Nov-21	2,704,000
North Water Transmission System SCADA Network Split	Insp	Nov-21	365,000
Texoma Pipeline Improvements Phase III	Eng	Nov-21	168,000
Security Improvements Phase III	Eng	Nov-21	113,000
Wylie WTP Ammonia System Improvements	Cnstr	Dec-21	9,321,000
Water System Maintenance Facilities for Central Region Phase II	Cnstr	Dec-21	13,400,000
Water System Maintenance Facilities for Central Region Phase II	Insp	Dec-21	368,000
Lower Bois d'Arc Creek Reservoir - Additional Archaeology	Cnstr	Dec-21	8,972,288
Expand Leonard WTP HSPS from 90 MGD to 180 MGD	Eng	Dec-21	8,370,000
Lower Bois d'Arc Creek Reservoir - US 69/NTMWD Way Improvements Railroad Realignment	Eng	Dec-21	180,000
Lower Bois d'Arc Creek Reservoir - State Highway 78/NTMWD Way Improvements Approach	Eng	Dec-21	74,000
Lower Bois d'Arc Creek Reservoir - 25 Kilovolt South Loop and Transformers	Eng	Dec-21	1,086,000
Leonard WTP Terminal Storage Reservoir Phase II (210 MG)	Eng	Dec-21	3,677,000
Lower Bois d'Arc Creek Reservoir PS - Additional Pumps to 144 MGD	Eng	Dec-21	4,970,000
140 MGD Leonard WTP Site Phase II	Eng	Dec-21	18,820,000
Wylie WTP IV, Liquid Treatment Improvements	Eng	Jan-22	1,020,000
Apollo and Shiloh Pump Stations Physical Security Improvements	Eng	Jan-22	87,000
Wylie Water Treatment Plants (WTPs) II, III and IV Filter Media Improvements	Eng	Feb-22	425,000
Wylie WTP II, Structural and Mechanical Improvements Phase II	Cnstr	Feb-22	14,459,000

System / Project	Type	Est Award	Amount
<b>Regional Water System - 06/30/2022 ECP Refunding (continued)</b>			
36" Plano West Side Pipeline (to Plano No. 3 and Richardson No. 2)	Cnstr	Feb-22	18,585,000
36" Plano West Side Pipeline (to Plano No. 3 and Richardson No. 2)	Insp	Feb-22	600,000
Waterline Relocations for Texas Department of Transportation (TxDOT) Road Improvements	Eng	Feb-22	2,800,000
Interstate 30 Water and Wastewater Relocations	Cnstr	Mar-22	2,500,000
Shiloh System Ground Storage Tank	Cnstr	Mar-22	7,775,000
Security Improvements Phase III	Cnstr	Mar-22	840,000
Security Improvements Phase III	Insp	Mar-22	25,000
East System Control Valve Vault	Eng	Apr-22	2,976,000
Future Water Supply Project	Perm	Apr-22	10,350,000
Water Transmission Pipeline Improvements	Cnstr	Apr-22	5,600,000
Water Transmission Pipeline Condition Assessment	Cnstr	Apr-22	4,000,000
Wylie WTP Rush Creek Channelization	Cnstr	Apr-22	3,588,000
Bonham WTP Intake Improvements	Prop	Apr-22	86,000
Systemwide Air Valve Improvements - North System Phase II	Cnstr	May-22	6,410,000
<b>Total Project Cost</b>			<b>\$ 202,757,288</b>

**Regional Wastewater System - 09/30/2022 ECP Refunding**

Lower East Fork Regional Water Resource Recovery Facility Conceptual Design	Eng	Oct-21	\$ 758,000
Rowlett Creek Regional WWTP Primary Clarifier 1 Rehabilitation	Cnstr	Oct-21	1,550,000
Maintenance Facilities Central Region Phase II	Cnstr	Dec-21	2,520,000
Maintenance Facilities Central Region Phase II	Insp	Dec-21	74,000
Rowlett Creek Regional WWTP Operations Building	Cnstr	Jan-22	6,300,000
Rowlett Creek Regional WWTP Operations Building	Insp	Jan-22	336,000
South Mesquite Regional WWTP Peak Flow Management & Expansion Phase II	Eng	Apr-22	4,200,000
Rowlett Creek Regional WWTP Peak Flow Management Phase IIA Solids Improvements	Cnstr	Apr-22	1,362,000
Rowlett Creek Regional WWTP Peak Flow Management Phase IIA Solids Improvements	Cnstr	Apr-22	2,242,550
South Mesquite Regional WWTP Peak Flow Management & Expansion Phase I - Early Peak Flow Improvements	Cnstr	May-22	8,400,000
South Mesquite Regional WWTP Peak Flow Management & Expansion Phase I	Cnstr	Aug-22	83,000,000
South Mesquite Regional WWTP Peak Flow Management & Expansion Phase I	Insp	Aug-22	1,659,000
South Mesquite Regional WWTP Peak Flow Management & Expansion Phase I	Cnstr	Aug-22	3,061,000
<b>Total Project Cost</b>			<b>\$ 115,462,550</b>

System / Project	Type	Est Award	Amount
<b>Upper East Fork Interceptor System - 08/31/2022 ECP Refunding</b>			
North McKinney Parallel Interceptor	Cnstr	Oct-21	\$ 1,312,500
Sloan Creek Force Main	Cnstr	Nov-21	8,820,000
Sloan Creek Force Main	Insp	Nov-21	260,000
UEFIS Bypass Connection and Phase II Valve Improvements	Cnstr	Dec-21	3,350,000
UEFIS Bypass Connection and Phase II Valve Improvements	Insp	Dec-21	70,000
Maintenance Facilities Central Region Phase II	Cnstr	Dec-21	840,000
Maintenance Facilities Central Region Phase II	Insp	Dec-21	27,000
Plano-McKinney Water Transmission System, Phase I (Relocation of 60" Rowlett Cottonwood Transfer Sewer Parallel)	Cnstr	Jan-22	9,100,000
Plano-McKinney Water Transmission System, Phase I (Relocation of 60" Rowlett Cottonwood Transfer Sewer Parallel)	Insp	Jan-22	181,000
UEFIS Contract Project Management Services	Eng	Jan-22	400,000
Preston Road Lift Station Expansion	Prop	Jan-22	1,197,000
Princeton Lift Station Expansion to 25 MGD	Eng	Feb-22	1,695,000
Princeton Force Main Replacement	Eng	Feb-22	856,000
Wilson Creek Transfer Force Mains	Cnstr	Apr-22	24,780,000
Wilson Creek Transfer Force Mains	Insp	Apr-22	525,000
McKinney East Side Extension Improvements	Cnstr	May-22	1,190,000
Lower Rowlett Creek Lift Station Improvements	Eng	Jun-22	210,000
121 Force Main Improvements	ROW	Jun-22	1,435,000
Lower Rowlett Creek Lift Station Improvements	Eng	Aug-22	2,533,000
Princeton Force Main Replacement	ROW	Aug-22	1,400,000
Princeton Lift Station Expansion to 25 MGD	Prop	Aug-22	1,197,000
<b>Total Project Cost</b>			<b>\$ 61,378,500</b>
<b>Upper East Fork Interceptor - 05/31/2022 TWDB</b>			
McKinney East Side Extension Improvements	Cnstr	May-22	\$ 23,211,000
McKinney East Side Extension Improvements	Insp	May-22	589,000
<b>Total Project Cost</b>			<b>\$ 23,800,000</b>
<b>Regional Solid Waste System - 02/01/2021</b>			
North Transfer Station	Prop	Nov-21	\$ 2,510,000
North Transfer Station	Perm	Dec-21	578,000
Parkway Transfer Station Conversion to Top Load	Eng	Feb-22	280,000
Wylie Service Center	Eng	Mar-22	407,000
121 RDF South Slope Closure	Cnstr	Aug-22	3,570,000
121 RDF South Slope Closure	Insp	Aug-22	336,000
<b>Total Project Cost</b>			<b>\$ 7,681,000</b>
<b>Sabine Creek Wastewater Treatment Plant - 03/31/2022</b>			
Sabine Creek WWTP Expansion to 7 MGD	Cnstr	Mar-22	\$ 47,115,000
Sabine Creek WWTP Expansion to 7 MGD	Eng	Mar-22	1,050,000
Sabine Creek WWTP Expansion to 7 MGD	Cnstr	Mar-22	945,000
<b>Total Project Cost</b>			<b>\$ 49,110,000</b>

System / Project	Type	Est Award	Amount
<b>Buffalo Creek Interceptor - 03/01/2022 CWSRF</b>			
Buffalo Creek Interceptor Tunnel	Cnstr	Mar-22	\$ 32,620,000
Buffalo Creek Interceptor Tunnel	Cnstr	Mar-22	4,749,188
Buffalo Creek Interceptor Tunnel	Cnstr	Mar-22	2,245,812
<b>Total Project Cost</b>			<b>\$ 39,615,000</b>
<b>Forney Mustang Creek Interceptor - 05/31/2022</b>			
Forney Mustang Creek Lift Station Phase II and Forney Force Main Improvements	Cnstr	May-22	\$ 17,357,000
Forney Mustang Creek Lift Station Phase II and Forney Force Main Improvements	Cnstr	May-22	840,000
<b>Total Project Cost</b>			<b>\$ 18,197,000</b>
<b>Grand Total</b>			<b>\$ 518,001,338</b>

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**2021-22**  
**DEBT AMORTIZATION SCHEDULES**



## DEBT AMORTIZATION SCHEDULE

## REGIONAL WATER SYSTEM REVENUE BONDS

September 30, 2021

Fiscal Year	Interest Rate of Maturing Bonds	September 1 Principal	March 1 Interest	September 1 Interest	Total
2022	1.100-5.250	94,220,000	47,287,203	47,019,756	188,526,959
2023	1.230-5.250	98,835,000	45,272,029	45,272,029	189,379,057
2024	1.340-5.000	102,505,000	43,404,032	43,404,032	189,313,064
2025	1.480-5.000	101,590,000	41,479,815	41,479,815	184,549,631
2026	1.580-5.000	104,470,000	39,575,226	39,575,226	183,620,452
2027	1.680-5.000	108,510,000	37,596,193	37,596,193	183,702,385
2028	1.850-5.000	109,330,000	35,697,675	35,697,675	180,725,350
2029	2.060-5.000	112,635,000	33,639,257	33,639,257	179,913,515
2030	2.250-5.000	116,090,000	31,462,384	31,462,384	179,014,768
2031	2.430-5.000	121,695,000	29,474,659	29,474,659	180,644,318
2032	2.530-5.000	126,625,000	27,165,715	27,165,715	180,956,431
2033	2.610-5.000	105,630,000	24,817,271	24,817,271	155,264,542
2034	2.680-5.000	109,550,000	22,853,377	22,853,377	155,256,754
2035	2.730-5.000	108,345,000	20,823,243	20,823,243	149,991,486
2036	2.770-5.000	95,355,000	18,808,466	18,808,466	132,971,933
2037	2.000-5.000	91,880,000	17,127,379	17,127,379	126,134,757
2038	2.000-4.000	95,015,000	15,600,354	15,600,354	126,215,708
2039	2.000-4.000	91,585,000	14,085,709	14,085,709	119,756,417
2040	2.000-4.000	88,545,000	12,610,569	12,610,569	113,766,139
2041	3.000-4.000	84,985,000	11,169,678	11,169,678	107,324,357
2042	2.375-4.000	87,860,000	9,744,803	9,744,803	107,349,606
2043	2.375-4.000	90,845,000	8,277,249	8,277,249	107,399,499
2044	2.375-4.000	93,935,000	6,758,153	6,758,153	107,451,305
2045	2.375-4.000	89,750,000	5,185,462	5,185,462	100,120,924
2046	2.375-4.000	92,710,000	3,704,377	3,704,377	100,118,753
2047	2.450-3.430	80,815,000	2,174,024	2,174,024	85,163,048
2048	2.450-3.430	39,770,000	890,919	890,919	41,551,838
2049	2.450-3.000	13,825,000	250,915	250,915	14,326,830
2050	2.450	2,300,000	57,024	57,024	2,414,048
2051	2.450	2,355,000	28,849	28,849	2,412,698
		<u>\$ 2,661,560,000</u>	<u>\$ 607,022,007</u>	<u>\$ 606,754,561</u>	<u>\$ 3,875,336,568</u>

The bonds bear interest payable March 1 and September 1 of each year with principal due September 1 of each year.

## DEBT AMORTIZATION SCHEDULE

## REGIONAL WASTEWATER SYSTEM REVENUE BONDS

September 30, 2021

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2022	2.000-5.000	22,260,000.00	7,789,750.46	7,669,148.38	37,718,898.84
2023	3.000-5.000	22,345,000.00	7,275,810.88	7,275,810.88	36,896,621.76
2024	3.000-5.000	22,525,000.00	6,944,098.38	6,944,098.38	36,413,196.76
2025	3.000-5.000	24,195,000.00	6,610,410.88	6,610,410.88	37,415,821.76
2026	3.000-5.000	28,855,000.00	6,247,570.26	6,247,570.26	41,350,140.52
2027	3.000-5.000	34,080,000.00	5,883,232.76	5,883,232.76	45,846,465.52
2028	3.000-5.000	34,795,000.00	5,525,664.01	5,525,664.01	45,846,328.02
2029	3.000-5.000	32,175,000.00	5,151,551.51	5,151,551.51	42,478,103.02
2030	3.125-5.000	30,245,000.00	4,844,473.38	4,844,473.38	39,933,946.76
2031	3.000-5.000	30,760,000.00	4,580,354.63	4,580,354.63	39,920,709.26
2032	3.125-5.000	30,285,000.00	4,325,885.88	4,325,885.88	38,936,771.76
2033	3.250-5.000	30,800,000.00	4,083,042.14	4,083,042.14	38,966,084.28
2034	3.375-5.000	29,575,000.00	3,828,895.26	3,828,895.26	37,232,790.52
2035	3.375-5.000	30,095,000.00	3,590,648.38	3,590,648.38	37,276,296.76
2036	2.000-5.000	30,640,000.00	3,342,229.63	3,342,229.63	37,324,459.26
2037	2.000-4.500	31,220,000.00	3,101,567.13	3,101,567.13	37,423,134.26
2038	2.000-4.500	31,820,000.00	2,867,742.13	2,867,742.13	37,555,484.26
2039	2.125-4.500	32,465,000.00	2,623,035.88	2,623,035.88	37,711,071.76
2040	2.125-5.000	33,120,000.00	2,377,148.39	2,377,148.39	37,874,296.78
2041	0.020-5.000	33,815,000.00	2,111,273.38	2,111,273.38	38,037,546.76
2042	0.020-5.000	34,540,000.00	1,840,013.64	1,840,013.64	38,220,027.28
2043	0.050-4.000	35,310,000.00	1,554,358.39	1,554,358.39	38,418,716.78
2044	0.080-4.000	36,105,000.00	1,266,059.26	1,266,059.26	38,637,118.52
2045	0.100-4.000	36,940,000.00	955,832.76	955,832.76	38,851,665.52
2046	0.110-4.000	34,655,000.00	639,020.63	639,020.63	35,933,041.26
2047	0.120-3.750	27,565,000.00	370,942.38	370,942.38	28,306,884.76
2048	0.130-3.250	24,630,000.00	231,813.13	231,813.13	25,093,626.26
2049	0.140-3.250	24,935,000.00	149,695.88	149,695.88	25,234,391.76
2050	0.150-2.500	22,780,000.00	64,067.50	64,067.50	22,908,135.00
2051	2.375	1,155,000.00	13,715.63	13,715.63	1,182,431.26
		<u>\$874,685,000.00</u>	<u>\$100,189,904.55</u>	<u>\$100,069,302.47</u>	<u>\$1,074,944,207.02</u>

The bonds bear interest payable December 1 and June 1 of each year with principal due June 1 of each year.

## DEBT AMORTIZATION SCHEDULE

## UPPER EAST FORK INTERCEPTOR SYSTEM REVENUE BONDS

September 30, 2021

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2022	3.000-6.250	14,645,000.00	5,862,693.14	7,367,466.79	27,875,159.93
2023	3.000-6.250	15,330,000.00	6,623,983.77	6,623,983.77	28,577,967.54
2024	4.000-5.500	16,095,000.00	6,259,358.77	6,259,358.77	28,613,717.54
2025	4.000-5.500	15,685,000.00	5,868,146.27	5,868,146.27	27,421,292.54
2026	3.000-5.000	17,620,000.00	5,494,233.77	5,494,233.77	28,608,467.54
2027	3.000-5.000	19,585,000.00	5,082,133.77	5,082,133.77	29,749,267.54
2028	3.000-5.000	20,545,000.00	4,622,371.27	4,622,371.27	29,789,742.54
2029	3.000-5.000	19,255,000.00	4,151,483.77	4,151,483.77	27,557,967.54
2030	3.000-5.000	16,200,000.00	3,711,083.77	3,711,083.77	23,622,167.54
2031	3.000-5.000	16,880,000.00	3,394,352.52	3,394,352.52	23,668,705.04
2032	3.000-5.000	17,605,000.00	3,055,427.52	3,055,427.52	23,715,855.04
2033	3.000-5.000	14,920,000.00	2,739,683.76	2,739,683.76	20,399,367.52
2034	3.000-5.000	15,515,000.00	2,481,765.01	2,481,765.01	20,478,530.02
2035	2.000-5.000	16,125,000.00	2,212,165.01	2,212,165.01	20,549,330.02
2036	2.000-5.000	14,495,000.00	1,935,225.01	1,935,225.01	18,365,450.02
2037	2.000-4.000	12,090,000.00	1,691,187.51	1,691,187.51	15,472,375.02
2038	2.000-3.000	8,190,000.00	1,519,965.63	1,519,965.63	11,229,931.26
2039	2.000-3.000	8,390,000.00	1,424,890.63	1,424,890.63	11,239,781.26
2040	2.000-3.000	8,595,000.00	1,325,846.88	1,325,846.88	11,246,693.76
2041	2.125-3.000	8,835,000.00	1,224,271.88	1,224,271.88	11,283,543.76
2042	2.125-3.000	9,075,000.00	1,115,996.88	1,115,996.88	11,306,993.76
2043	2.125-3.000	9,325,000.00	1,004,634.38	1,004,634.38	11,334,268.76
2044	2.250-3.000	9,595,000.00	886,740.63	886,740.63	11,368,481.26
2045	2.250-3.000	9,875,000.00	763,046.88	763,046.88	11,401,093.76
2046	2.250-3.000	10,160,000.00	635,634.38	635,634.38	11,431,268.76
2047	2.375-3.000	9,195,000.00	504,421.88	504,421.88	10,203,843.76
2048	2.375-3.000	9,450,000.00	385,793.75	385,793.75	10,221,587.50
2049	2.375-3.000	9,720,000.00	263,796.88	263,796.88	10,247,593.76
2050	2.375-2.500	7,265,000.00	138,234.38	138,234.38	7,541,468.76
2051	2.375	4,210,000.00	49,993.75	49,993.75	4,309,987.50
		<u>\$384,470,000.00</u>	<u>\$ 76,428,563.45</u>	<u>\$ 77,933,337.10</u>	<u>\$538,831,900.55</u>

The bonds bear interest payable December 1 and June 1 of each year with principal due June 1 of each year.

## DEBT AMORTIZATION SCHEDULE

## BUFFALO CREEK INTERCEPTOR REVENUE BONDS

September 30, 2021

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2022	4.000-5.000	1,470,000.00	541,356.25	541,356.25	2,552,712.50
2023	4.000-5.000	1,550,000.00	506,306.25	506,306.25	2,562,612.50
2024	3.000-4.000	1,625,000.00	469,331.25	469,331.25	2,563,662.50
2025	3.000-4.000	1,085,000.00	443,106.25	443,106.25	1,971,212.50
2026	3.000-4.000	1,125,000.00	423,306.25	423,306.25	1,971,612.50
2027	3.000-4.000	1,170,000.00	402,756.25	402,756.25	1,975,512.50
2028	3.000-4.000	1,005,000.00	381,381.25	381,381.25	1,767,762.50
2029	4.000	1,040,000.00	362,306.25	362,306.25	1,764,612.50
2030	4.000	1,085,000.00	341,506.25	341,506.25	1,768,012.50
2031	2.000-4.000	1,120,000.00	319,806.25	319,806.25	1,759,612.50
2032	2.000-4.000	1,160,000.00	306,356.25	306,356.25	1,772,712.50
2033	2.000-3.000	1,200,000.00	292,406.25	292,406.25	1,784,812.50
2034	2.000-3.000	1,235,000.00	279,181.25	279,181.25	1,793,362.50
2035	2.000-3.000	1,275,000.00	265,581.25	265,581.25	1,806,162.50
2036	2.000-3.000	1,305,000.00	251,531.25	251,531.25	1,808,062.50
2037	2.000-3.000	1,340,000.00	237,156.25	237,156.25	1,814,312.50
2038	2.000-3.000	1,370,000.00	222,381.25	222,381.25	1,814,762.50
2039	2.000-3.000	1,405,000.00	207,256.25	207,256.25	1,819,512.50
2040	2.000-3.000	1,440,000.00	191,756.25	191,756.25	1,823,512.50
2041	2.000-3.000	1,475,000.00	175,856.25	175,856.25	1,826,712.50
2042	2.000-3.000	1,515,000.00	159,556.25	159,556.25	1,834,112.50
2043	2.000-3.000	1,560,000.00	142,806.25	142,806.25	1,845,612.50
2044	2.000-2.750	1,600,000.00	125,556.25	125,556.25	1,851,112.50
2045	2.000-2.750	1,645,000.00	108,281.25	108,281.25	1,861,562.50
2046	2.000-2.750	1,685,000.00	90,518.75	90,518.75	1,866,037.50
2047	2.000-2.750	1,730,000.00	72,337.50	72,337.50	1,874,675.00
2048	2.000-2.750	1,775,000.00	53,668.75	53,668.75	1,882,337.50
2049	2.000-2.750	1,830,000.00	34,512.50	34,512.50	1,899,025.00
2050	2.000	1,475,000.00	14,750.00	14,750.00	1,504,500.00
		<u>\$40,295,000.00</u>	<u>\$ 7,422,612.50</u>	<u>\$ 7,422,612.50</u>	<u>\$55,140,225.00</u>

The bonds bear interest payable December 1 and June 1 of each year with principal due June 1 of each year.

**DEBT AMORTIZATION SCHEDULE****LITTLE ELM WATER TRANSMISSION FACILITIES REVENUE BONDS**

September 30, 2021

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2022	2.000	390,000.00	7,950.00	7,950.00	405,900.00
2023	2.000	405,000.00	4,050.00	4,050.00	413,100.00
		<u>\$ 795,000.00</u>	<u>\$ 12,000.00</u>	<u>\$ 12,000.00</u>	<u>\$ 819,000.00</u>

The bonds bear interest payable December 1 and June 1 of each year with principal due June 1 of each year.

**DEBT AMORTIZATION SCHEDULE****LOWER EAST FORK INTERCEPTOR REVENUE BONDS**

September 30, 2021

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2022	5.000	1,080,000.00	110,825.00	110,825.00	1,301,650.00
2023	4.000	1,125,000.00	83,825.00	83,825.00	1,292,650.00
2024	4.000	1,180,000.00	61,325.00	61,325.00	1,302,650.00
2025	3.000	1,230,000.00	37,725.00	37,725.00	1,305,450.00
2026	3.000	1,285,000.00	19,275.00	19,275.00	1,323,550.00
		<u>\$ 5,900,000.00</u>	<u>\$ 312,975.00</u>	<u>\$ 312,975.00</u>	<u>\$ 6,525,950.00</u>

The bonds bear interest payable December 1 and June 1 of each year with principal due June 1 of each year.

**DEBT AMORTIZATION SCHEDULE****MUDDY CREEK WASTEWATER TREATMENT PLANT REVENUE BONDS**

September 30, 2021

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2022	3.000-5.000	1,990,000.00	367,600.00	367,600.00	2,725,200.00
2023	3.000-5.000	2,430,000.00	326,800.00	326,800.00	3,083,600.00
2024	3.000-4.000	1,325,000.00	275,325.00	275,325.00	1,875,650.00
2025	2.875-4.000	1,375,000.00	253,600.00	253,600.00	1,882,200.00
2026	2.750-4.000	1,430,000.00	231,281.25	231,281.25	1,892,562.50
2027	4.000	810,000.00	205,087.50	205,087.50	1,220,175.00
2028	4.000	845,000.00	188,887.50	188,887.50	1,222,775.00
2029	3.000-4.000	875,000.00	171,987.50	171,987.50	1,218,975.00
2030	4.000	910,000.00	156,612.50	156,612.50	1,223,225.00
2031	3.000-4.000	945,000.00	138,412.50	138,412.50	1,221,825.00
2032	3.000-3.500	970,000.00	121,787.50	121,787.50	1,213,575.00
2033	3.000	1,005,000.00	105,987.50	105,987.50	1,216,975.00
2034	2.500-3.000	1,035,000.00	90,912.50	90,912.50	1,216,825.00
2035	2.000-3.125	1,065,000.00	76,725.00	76,725.00	1,218,450.00
2036	2.500-3.250	1,095,000.00	63,178.13	63,178.13	1,221,356.26
2037	2.500-3.250	1,125,000.00	47,503.13	47,503.13	1,220,006.26
2038	2.500-3.375	1,155,000.00	31,396.88	31,396.88	1,217,793.76
2039	2.375	605,000.00	14,487.50	14,487.50	633,975.00
2040	2.375	615,000.00	7,303.13	7,303.13	629,606.26
		<u>\$21,605,000.00</u>	<u>\$ 2,874,875.02</u>	<u>\$ 2,874,875.02</u>	<u>\$27,354,750.04</u>

The bonds bear interest payable December 1 and June 1 of each year with principal due June 1 of each year.



**DEBT AMORTIZATION SCHEDULE****MUDDY CREEK INTERCEPTOR SYSTEM REVENUE BONDS**

September 30, 2021

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2022	3.000	235,000.00	10,875.00	10,875.00	256,750.00
2023	3.000	240,000.00	7,350.00	7,350.00	254,700.00
2024	3.000	250,000.00	3,750.00	3,750.00	257,500.00
		<u>\$ 725,000.00</u>	<u>\$ 21,975.00</u>	<u>\$ 21,975.00</u>	<u>\$ 768,950.00</u>

The bonds bear interest payable December 1 and June 1 of each year with principal due June 1 of each year.

**DEBT AMORTIZATION SCHEDULE****MUSTANG CREEK INTERCEPTOR REVENUE BONDS**

September 30, 2021

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2022	3.000-5.000	730,000.00	555,715.64	555,715.64	1,841,431.28
2023	3.000-5.125	770,000.00	540,815.64	540,815.64	1,851,631.28
2024	3.000-5.125	800,000.00	522,353.14	522,353.14	1,844,706.28
2025	4.000-5.125	840,000.00	503,134.39	503,134.39	1,846,268.78
2026	3.000-5.125	880,000.00	482,456.26	482,456.26	1,844,912.52
2027	3.000-5.000	915,000.00	465,568.76	465,568.76	1,846,137.52
2028	3.000-5.000	960,000.00	446,368.76	446,368.76	1,852,737.52
2029	3.000-4.000	1,000,000.00	426,218.76	426,218.76	1,852,437.52
2030	3.000-4.000	1,045,000.00	408,493.76	408,493.76	1,861,987.52
2031	3.000-4.000	1,090,000.00	389,993.76	389,993.76	1,869,987.52
2032	3.000-4.000	1,130,000.00	370,218.76	370,218.76	1,870,437.52
2033	3.000-4.000	1,180,000.00	349,718.76	349,718.76	1,879,437.52
2034	3.000-3.375	1,230,000.00	328,056.26	328,056.26	1,886,112.52
2035	2.500-3.375	1,280,000.00	308,781.26	308,781.26	1,897,562.52
2036	2.500-3.500	1,325,000.00	289,046.89	289,046.89	1,903,093.78
2037	2.625-3.500	1,375,000.00	268,309.39	268,309.39	1,911,618.78
2038	2.625-3.500	1,425,000.00	246,671.89	246,671.89	1,918,343.78
2039	2.750-3.625	1,485,000.00	223,765.63	223,765.63	1,932,531.26
2040	2.750-3.625	1,535,000.00	199,431.25	199,431.25	1,933,862.50
2041	3.000-3.625	1,600,000.00	173,768.75	173,768.75	1,947,537.50
2042	3.000-3.625	1,660,000.00	146,806.25	146,806.25	1,953,612.50
2043	3.000-3.375	1,040,000.00	118,818.75	118,818.75	1,277,637.50
2044	3.000-3.375	1,075,000.00	101,587.50	101,587.50	1,278,175.00
2045	3.000-3.375	1,110,000.00	83,775.00	83,775.00	1,277,550.00
2046	3.000-3.375	1,150,000.00	65,381.25	65,381.25	1,280,762.50
2047	3.000-3.375	1,190,000.00	46,321.88	46,321.88	1,282,643.76
2048	3.000-3.375	1,230,000.00	26,606.25	26,606.25	1,283,212.50
2049	3.000	205,000.00	6,225.00	6,225.00	217,450.00
2050	3.000	210,000.00	3,150.00	3,150.00	216,300.00
		<u>\$31,465,000.00</u>	<u>\$ 8,097,559.59</u>	<u>\$ 8,097,559.59</u>	<u>\$47,660,119.18</u>

The bonds bear interest payable December 1 and June 1 of each year with principal due June 1 of each year.

## DEBT AMORTIZATION SCHEDULE

## PANTHER CREEK WASTEWATER TREATMENT PLANT REVENUE BONDS

September 30, 2021

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2022	4.000-5.000	3,165,000.00	585,878.13	585,878.13	4,336,756.26
2023	4.000-5.000	3,315,000.00	507,703.13	507,703.13	4,330,406.26
2024	4.000-5.000	3,480,000.00	425,803.13	425,803.13	4,331,606.26
2025	4.000-5.000	3,640,000.00	339,828.13	339,828.13	4,319,656.26
2026	4.000-5.000	3,810,000.00	249,878.13	249,878.13	4,309,756.26
2027	4.000-5.000	1,465,000.00	155,728.13	155,728.13	1,776,456.26
2028	4.000-5.000	1,535,000.00	120,253.13	120,253.13	1,775,506.26
2029	4.000	1,605,000.00	83,053.13	83,053.13	1,771,106.26
2030	4.000	255,000.00	50,953.13	50,953.13	356,906.26
2031	4.000	265,000.00	45,853.13	45,853.13	356,706.26
2032	4.000	275,000.00	40,553.13	40,553.13	356,106.26
2033	4.000	280,000.00	35,053.13	35,053.13	350,106.26
2034	3.000	290,000.00	29,453.13	29,453.13	348,906.26
2035	2.500	300,000.00	25,103.13	25,103.13	350,206.26
2036	2.500	305,000.00	21,353.13	21,353.13	347,706.26
2037	2.625	315,000.00	17,540.63	17,540.63	350,081.26
2038	2.625	325,000.00	13,406.25	13,406.25	351,812.50
2039	2.625	335,000.00	9,140.63	9,140.63	353,281.26
2040	2.750	345,000.00	4,743.75	4,743.75	354,487.50
		<u>\$25,305,000.00</u>	<u>\$ 2,761,278.21</u>	<u>\$ 2,761,278.21</u>	<u>\$30,827,556.42</u>

The bonds bear interest payable December 1 and June 1 of each year with principal due June 1 of each year.

**DEBT AMORTIZATION SCHEDULE****PARKER CREEK INTERCEPTOR REVENUE BONDS**

September 30, 2021

<u>Fiscal Year</u>	<u>Interest Rate of Maturing Bonds</u>	<u>June 1 Principal</u>	<u>December 1 Interest</u>	<u>June 1 Interest</u>	<u>Total</u>
2022	5.125	200,000.00	10,506.25	10,506.25	221,012.50
2023	5.125	210,000.00	5,381.25	5,381.25	220,762.50
		<u>\$ 410,000.00</u>	<u>\$ 15,887.50</u>	<u>\$ 15,887.50</u>	<u>\$ 441,775.00</u>

The bonds bear interest payable December 1 and June 1 of each year with principal due June 1 of each year.

## DEBT AMORTIZATION SCHEDULE

## PARKER CREEK PARALLEL INTERCEPTOR REVENUE BONDS

September 30, 2021

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2022	2.000	120,000.00	31,478.13	31,478.13	182,956.26
2023	2.000	125,000.00	30,278.13	30,278.13	185,556.26
2024	2.000	135,000.00	29,028.13	29,028.13	193,056.26
2025	3.000	140,000.00	27,678.13	27,678.13	195,356.26
2026	3.000	145,000.00	25,578.13	25,578.13	196,156.26
2027	2.000	150,000.00	23,403.13	23,403.13	196,806.26
2028	2.125	155,000.00	21,903.13	21,903.13	198,806.26
2029	2.250	160,000.00	20,256.25	20,256.25	200,512.50
2030	2.375	170,000.00	18,456.25	18,456.25	206,912.50
2031	2.500	175,000.00	16,437.50	16,437.50	207,875.00
2032	2.500	180,000.00	14,250.00	14,250.00	208,500.00
2033	3.000	190,000.00	12,000.00	12,000.00	214,000.00
2034	3.000	195,000.00	9,150.00	9,150.00	213,300.00
2035	3.000	205,000.00	6,225.00	6,225.00	217,450.00
2036	3.000	210,000.00	3,150.00	3,150.00	216,300.00
		<u>\$ 2,455,000.00</u>	<u>\$ 289,271.91</u>	<u>\$ 289,271.91</u>	<u>\$ 3,033,543.82</u>

The bonds bear interest payable December 1 and June 1 of each year with principal due June 1 of each year.

**DEBT AMORTIZATION SCHEDULE****SOUTH ROCKWALL WASTEWATER TREATMENT PLANT****(BUFFALO CREEK) REVENUE BONDS**

September 30, 2021

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2022	5.750	165,000.00	40,106.25	40,106.25	245,212.50
2023	5.750	175,000.00	35,362.50	35,362.50	245,725.00
2024	5.750	190,000.00	30,331.25	30,331.25	250,662.50
2025	5.750	200,000.00	24,868.75	24,868.75	249,737.50
2026	5.750	210,000.00	19,118.75	19,118.75	248,237.50
2027	5.750	220,000.00	13,081.25	13,081.25	246,162.50
2028	5.750	235,000.00	6,756.25	6,756.25	248,512.50
		<u>\$ 1,395,000.00</u>	<u>\$ 169,625.00</u>	<u>\$ 169,625.00</u>	<u>\$ 1,734,250.00</u>

The bonds bear interest payable December 1 and June 1 of each year with principal due June 1 of each year.

**DEBT AMORTIZATION SCHEDULE****ROCKWALL WATER PUMP STATION FACILITIES REVENUE BONDS**

September 30, 2021

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2022	4.500	135,000.00	16,960.00	16,960.00	168,920.00
2023	4.500	140,000.00	13,922.50	13,922.50	167,845.00
2024	4.550	150,000.00	10,772.50	10,772.50	171,545.00
2025	4.600	155,000.00	7,360.00	7,360.00	169,720.00
2026	4.600	165,000.00	3,795.00	3,795.00	172,590.00
		<u>\$ 745,000.00</u>	<u>\$ 52,810.00</u>	<u>\$ 52,810.00</u>	<u>\$ 850,620.00</u>

The bonds bear interest payable December 1 and June 1 of each year with principal due June 1 of each year.



**DEBT AMORTIZATION SCHEDULE****ROCKWALL - HEATH WATER STORAGE FACILITIES REVENUE BONDS**

September 30, 2021

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2022	4.100	195,000.00	17,598.75	17,598.75	230,197.50
2023	4.200	205,000.00	13,601.25	13,601.25	232,202.50
2024	4.200	215,000.00	9,296.25	9,296.25	233,592.50
2025	4.250	225,000.00	4,781.25	4,781.25	234,562.50
		<u>\$ 840,000.00</u>	<u>\$ 45,277.50</u>	<u>\$ 45,277.50</u>	<u>\$ 930,555.00</u>

The bonds bear interest payable December 1 and June 1 of each year with principal due June 1 of each year.

## DEBT AMORTIZATION SCHEDULE

## SABINE CREEK WASTEWATER TREATMENT PLANT REVENUE BONDS

September 30, 2021

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2022	3.000-4.000	1,130,000.00	207,303.13	207,303.13	1,544,606.26
2023	3.000-4.000	1,295,000.00	187,978.13	187,978.13	1,670,956.26
2024	4.000	640,000.00	165,478.13	165,478.13	970,956.26
2025	4.000	660,000.00	152,678.13	152,678.13	965,356.26
2026	3.500-4.000	690,000.00	139,478.13	139,478.13	968,956.26
2027	2.250-4.000	710,000.00	127,078.13	127,078.13	964,156.26
2028	2.375-4.000	730,000.00	117,909.38	117,909.38	965,818.76
2029	2.500-4.000	750,000.00	108,103.13	108,103.13	966,206.26
2030	3.000-4.000	770,000.00	97,640.63	97,640.63	965,281.26
2031	2.000-3.000	790,000.00	85,340.63	85,340.63	960,681.26
2032	2.000-3.000	810,000.00	74,240.63	74,240.63	958,481.26
2033	2.000-3.000	835,000.00	62,865.63	62,865.63	960,731.26
2034	2.000-3.000	860,000.00	51,140.63	51,140.63	962,281.26
2035	2.125-3.000	890,000.00	39,065.63	39,065.63	968,131.26
2036	2.125-3.000	915,000.00	26,459.38	26,459.38	967,918.76
2037	2.250	180,000.00	13,500.00	13,500.00	207,000.00
2038	2.250	185,000.00	11,475.00	11,475.00	207,950.00
2039	2.250	190,000.00	9,393.75	9,393.75	208,787.50
2040	2.375	190,000.00	7,256.25	7,256.25	204,512.50
2041	2.500	195,000.00	5,000.00	5,000.00	205,000.00
2042	2.500	205,000.00	2,562.50	2,562.50	210,125.00
		<u>\$ 13,620,000.00</u>	<u>\$ 1,691,946.95</u>	<u>\$ 1,691,946.95</u>	<u>\$ 17,003,893.90</u>

The bonds bear interest payable December 1 and June 1 of each year with principal due June 1 of each year.

**DEBT AMORTIZATION SCHEDULE****SABINE CREEK INTERCEPTOR REVENUE BONDS**

September 30, 2021

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2022	5.125	160,000.00	8,456.25	8,456.25	176,912.50
2023	5.125	170,000.00	4,356.25	4,356.25	178,712.50
		<u>\$ 330,000.00</u>	<u>\$ 12,812.50</u>	<u>\$ 12,812.50</u>	<u>\$ 355,625.00</u>

The bonds bear interest payable December 1 and June 1 of each year with principal due June 1 of each year.

## DEBT AMORTIZATION SCHEDULE

## STEWART CREEK WASTEWATER TREATMENT PLANT REVENUE BONDS

September 30, 2021

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2022	5.000	2,670,000.00	1,012,218.75	1,012,218.75	4,694,437.50
2023	5.000	2,780,000.00	945,468.75	945,468.75	4,670,937.50
2024	5.000	2,890,000.00	875,968.75	875,968.75	4,641,937.50
2025	5.000	3,005,000.00	803,718.75	803,718.75	4,612,437.50
2026	3.000	3,125,000.00	728,593.75	728,593.75	4,582,187.50
2027	3.000	3,280,000.00	681,718.75	681,718.75	4,643,437.50
2028	5.000	3,445,000.00	632,518.75	632,518.75	4,710,037.50
2029	3.000	3,615,000.00	546,393.75	546,393.75	4,707,787.50
2030	4.000	3,800,000.00	492,168.75	492,168.75	4,784,337.50
2031	4.000	3,990,000.00	416,168.75	416,168.75	4,822,337.50
2032	3.375	4,190,000.00	336,368.75	336,368.75	4,862,737.50
2033	4.000	4,395,000.00	265,662.50	265,662.50	4,926,325.00
2034	3.500	4,615,000.00	177,762.50	177,762.50	4,970,525.00
2035	4.000	4,850,000.00	97,000.00	97,000.00	5,044,000.00
		<u>\$50,650,000.00</u>	<u>\$ 8,011,731.25</u>	<u>\$ 8,011,731.25</u>	<u>\$66,673,462.50</u>

The bonds bear interest payable December 1 and June 1 of each year with principal due June 1 of each year.

**DEBT AMORTIZATION SCHEDULE****TERRELL WATER TRANSMISSION FACILITIES REVENUE BONDS**

September 30, 2021

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2022	3.000	440,000.00	147,040.63	147,040.63	734,081.26
2023	3.750	455,000.00	140,440.63	140,440.63	735,881.26
2024	4.000	475,000.00	131,909.38	131,909.38	738,818.76
2025	4.000	495,000.00	122,409.38	122,409.38	739,818.76
2026	3.000	520,000.00	112,509.38	112,509.38	745,018.76
2027	3.000	535,000.00	104,709.38	104,709.38	744,418.76
2028	3.250	555,000.00	96,684.38	96,684.38	748,368.76
2029	3.250	575,000.00	87,665.63	87,665.63	750,331.26
2030	3.250	600,000.00	78,321.88	78,321.88	756,643.76
2031	3.375	620,000.00	68,571.88	68,571.88	757,143.76
2032	3.375	645,000.00	58,109.38	58,109.38	761,218.76
2033	3.500	670,000.00	47,225.00	47,225.00	764,450.00
2034	5.000	695,000.00	35,500.00	35,500.00	766,000.00
2035	5.000	725,000.00	18,125.00	18,125.00	761,250.00
		<u>\$ 8,005,000.00</u>	<u>\$ 1,249,221.93</u>	<u>\$ 1,249,221.93</u>	<u>\$ 10,503,443.86</u>

The bonds bear interest payable December 1 and June 1 of each year with principal due June 1 of each year.

**DEBT AMORTIZATION SCHEDULE****REGIONAL SOLID WASTE SYSTEM REVENUE BONDS**

September 30, 2021

Fiscal Year	Interest Rate of Maturing Bonds	September 1 Principal	March 1 Interest	September 1 Interest	Total
2022	4.000-5.000	3,275,000.00	936,065.63	936,065.63	5,147,131.26
2023	4.000-5.000	3,460,000.00	858,340.63	858,340.63	5,176,681.26
2024	5.000	3,615,000.00	776,140.63	776,140.63	5,167,281.26
2025	5.000	3,775,000.00	685,765.63	685,765.63	5,146,531.26
2026	5.000	3,945,000.00	591,390.63	591,390.63	5,127,781.26
2027	5.000	3,570,000.00	492,765.63	492,765.63	4,555,531.26
2028	3.000-5.000	3,715,000.00	403,515.63	403,515.63	4,522,031.26
2029	3.000-4.000	2,210,000.00	328,140.63	328,140.63	2,866,281.26
2030	3.000-3.250	2,295,000.00	293,065.63	293,065.63	2,881,131.26
2031	3.000-3.375	2,385,000.00	258,140.63	258,140.63	2,901,281.26
2032	3.000-3.500	2,480,000.00	221,587.50	221,587.50	2,923,175.00
2033	3.000-3.500	2,575,000.00	182,759.38	182,759.38	2,940,518.76
2034	3.000-3.625	2,680,000.00	141,871.88	141,871.88	2,963,743.76
2035	3.125-3.625	2,780,000.00	98,434.38	98,434.38	2,976,868.76
2036	3.125-3.625	1,860,000.00	52,565.63	52,565.63	1,965,131.26
2037	3.125	1,425,000.00	22,265.63	22,265.63	1,469,531.26
		<u>\$ 46,045,000.00</u>	<u>\$ 6,342,815.70</u>	<u>\$ 6,342,815.70</u>	<u>\$ 58,730,631.40</u>

The bonds bear interest payable March 1 and September 1 of each year with principal due September 1 of each year.

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**2021-22**  
**EMPLOYEE SCHEDULES**

## EMPLOYEE POSITION AND GRADE BY DEPARTMENT

## 101 Regional Water System

5330 Plant Operations			
Full-Time Positions	Grade	FY21	FY22
Assistant Deputy (Water)	47	1.0	-
Assistant Deputy (Water Resources)	47	-	1.0
Assistant Deputy (Water Treatment & Conveyance)	47	-	1.0
Water System Manager	44	1.0	1.0
Water Transmission System Manager	44	1.0	1.0
Bois d'Arc Lake Operations Manager	43	1.0	-
Water Operations Technical Support Manager	42	1.0	-
Asset Risk Manager	38	1.0	1.0
Assistant Water System Manager - Transmission	38	1.0	-
Assistant Water System Manager - Treatment	38	1.0	2.0
Water Resource Program & Public Education Manager	38	1.0	-
Water Treatment Plant Manager - Wylie	38	1.0	-
Watershed Manager	38	1.0	1.0
Professional Engineer	37	2.0	1.0
Professional Engineer - Special Projects & Water	37	1.0	1.0
Water Plant Supervisor III	34	1.0	1.0
Chemical System Maintenance Coordinator	29	1.0	1.0
Shift Supervisor	29	4.0	4.0
Chief Control Room Operator	28	4.0	4.0
Trainer / Lead Operator	28	1.0	1.0
Lead Water Plant Operator	27	4.0	4.0
Assistant to the Water Plant Supervisor	26	1.0	1.0
Water Plant Operator III	26	19.0	19.0
Water Plant Mechanic	25	3.0	3.0
Water Resource Assistant	24	1.0	-
Water Plant Operator II	23	25.0	25.0
Water Quality Technician	23	1.0	1.0
Administrative Technician	22	1.0	1.0
Information Systems Assistant - Transmission	22	1.0	1.0
Information Systems Assistant - Wylie WTP	22	1.0	1.0
Maintenance Worker	20	1.0	1.0
<b>Total Full-Time Positions</b>		<b>83.0</b>	<b>78.0</b>

5333 Tawakoni Raw Water Station and WTP			
Full-Time Positions	Grade	FY21	FY22
Water Plant Supervisor II	33	1.0	1.0
Lead Water Plant Operator	27	1.0	1.0
Water Plant Operator III	26	2.0	2.0
Water Plant Mechanic	25	1.0	1.0
Water Plant Operator II	23	6.0	6.0
<b>Total Full-Time Positions</b>		<b>11.0</b>	<b>11.0</b>

**5334 Eastfork Raw Water Supply (The Wetlands)**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Wetlands Supervisor	29	1.0	1.0
Lead Operator	26	1.0	1.0
Maintenance Worker - Wetlands	20	5.0	5.0
<b>Total Full-Time Positions</b>		<b>7.0</b>	<b>7.0</b>

**5335 Bonham WTP**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Water Plant Supervisor I	29	1.0	1.0
Water Plant Operator III	26	1.0	1.0
Water Plant Mechanic	25	1.0	1.0
Water Plant Operator II	23	8.0	8.0
<b>Total Full-Time Positions</b>		<b>11.0</b>	<b>11.0</b>

**5336 Bois D'Arc Lake**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Bois d'Arc Lake Operations Manager	43	-	1.0
Bois d'Arc Lake Permit Supervisor	31	1.0	1.0
Bois d'Arc Lake Supervisor	29	1.0	1.0
Bois d'Arc Lake Crew Leader	26	-	1.0
Bois d'Arc Lake Operator II	23	1.0	3.0
Administrative Technician	22	-	1.0
<b>Total Full-Time Positions</b>		<b>3.0</b>	<b>8.0</b>

**5337 Leonard WTP**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Water Treatment Plant Manager	35	1.0	1.0
Lead Water Plant Operator	27	2.0	2.0
Water Plant Operator III	26	-	2.0
Water Plant Mechanic	25	-	1.0
Water Plant Operator II	23	5.0	8.0
Mechanic's Assistant	20	-	1.0
<b>Total Full-Time Positions</b>		<b>8.0</b>	<b>15.0</b>

**5338 Transmission System**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Assistant Water System Manager - Transmission	38	-	1.0
Professional Engineer	37	-	1.0
Lead Transmission System Operator	27	-	2.0
Lead Transmission System Operator	26	2.0	-
Transmission System Operator II	23	-	2.0
Transmission System Operator II	21	2.0	-
<b>Total Full-Time Positions</b>		<b>4.0</b>	<b>6.0</b>

**Total Regional Water System Positions**

<b>127.0</b>	<b>136.0</b>
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## 301 Regional Wastewater System

**5070 Sister Grove Regional Water Resource Recovery Facility**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Wastewater Plant Supervisor II	33	-	1.0
Wastewater Plant Operator II	23	-	3.0
Mechanics Assistant	20	-	1.0
<b>Total Full-Time Positions</b>		<b>-</b>	<b>5.0</b>

**5080 Wilson Creek Regional Wastewater Treatment Plant**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Assistant Deputy (Wastewater)	47	1.0	1.0
Assistant Regional Wastewater System Manager	38	-	1.0
Assistant Wastewater System Manager	38	1.0	-
Training and Development Manager	38	1.0	1.0
Professional Engineer	37	1.0	1.0
Wastewater Project Coordinator	35	1.0	1.0
Wastewater Plant Supervisor III	34	1.0	1.0
Maintenance Supervisor	33	1.0	1.0
Wastewater Plant Supervisor II (Sister Grove Crk WWTP)	33	1.0	-
Maintenance Planner Scheduler	31	1.0	1.0
Chief Wastewater Plant Operator	28	2.0	2.0
Lead Wastewater Plant Operator	27	5.0	5.0
Lead Maintenance Technician	26	1.0	1.0
Lead Transport Driver	26	1.0	1.0
Wastewater Plant Operator III	26	10.0	10.0
Wastewater Mechanic	25	3.0	3.0
Wastewater Plant Operator II	23	18.0	19.0
Information Systems Assistant	22	2.0	2.0
Transport Driver	22	13.0	12.0
Mechanic's Assistant	20	3.0	3.0
<b>Total Full-Time Positions</b>		<b>67.0</b>	<b>66.0</b>

**5090 Floyd Branch Regional Wastewater Treatment Plant**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Wastewater Plant Supervisor III	34	-	0.2
Wastewater Coordinator	32	1.0	1.0
Lead Wastewater Plant Operator	27	1.0	1.0
Wastewater Plant Operator III	26	2.0	2.0
Wastewater Plant Operator II	23	3.0	3.0
<b>Total Full-Time Positions</b>		<b>7.0</b>	<b>7.2</b>

**5100 Rowlett Creek Regional Wastewater Treatment Plant**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Asset Risk Manager	38	1.0	1.0
Wastewater Plant Supervisor III	34	-	0.8
Wastewater Plant Supervisor II	33	1.0	-
Chief Wastewater Plant Operator	28	1.0	1.0
Lead Wastewater Plant Operator	27	3.0	4.0

**5100 Rowlett Creek Regional Wastewater Treatment Plant (continued)**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Lead Dewatering Plant Operator	26	1.0	-
Lead Maintenance Technician	26	1.0	1.0
Wastewater Plant Operator III	26	6.0	6.0
Wastewater Mechanic	25	1.0	1.0
Operations Data Specialist I	25	-	1.0
Wastewater Technician I	25	0.5	-
Wastewater Plant Operator II	23	7.0	7.0
Administrative Technician	22	1.0	1.0
Information Systems Assistant	22	1.0	1.0
Transport Driver	22	4.0	4.0
Mechanic's Assistant	20	1.0	1.0
<b>Total Full-Time Positions</b>		<b>29.5</b>	<b>29.8</b>

**5180 South Mesquite Regional Wastewater Treatment Plant**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Regional Wastewater System Manager	44	1.0	1.0
Wastewater Operations Technical Support Manager	42	-	1.0
Assistant Wastewater System Manager	38	1.0	-
Wastewater Plant Supervisor III	34	1.0	1.0
Chief Wastewater Plant Operator	28	2.0	2.0
Lead Wastewater Plant Operator	27	4.0	4.0
Lead Maintenance Technician	26	1.0	1.0
Wastewater Plant Operator III	26	6.0	6.0
Wastewater Mechanic	25	1.0	1.0
Wastewater Plant Operator II	23	11.0	13.0
Information Systems Assistant	22	1.0	1.0
Transport Driver	22	5.0	4.0
Mechanic's Assistant	20	2.0	2.0
<b>Total Full-Time Positions</b>		<b>36.0</b>	<b>37.0</b>

<b>Total Regional Wastewater System Positions</b>	<b>139.5</b>	<b>145.0</b>
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**501 Upper East Fork Interceptor System****501 Upper East Fork Interceptor System**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Wastewater Conveyance System Manager	44	1.0	1.0
CMOM Program Manager	38	1.0	1.0
Professional Engineer	37	1.0	1.0
Wastewater Conveyance Supervisor II	33	1.0	1.0
Chief Wastewater Conveyance Operator	28	1.0	1.0
Lead Wastewater Conveyance Operator	27	2.0	2.0
Lead Odor Control Operator	27	-	1.0
Lead Wastewater Plant Operator	27	1.0	-
Lead Maintenance Technician	26	-	1.0
Wastewater Conveyance Operator III	26	3.0	3.0
Wastewater Technician I	25	0.3	-
Wastewater Conveyance Operator II	23	8.0	8.0

**501 Upper East Fork Interceptor System (continued)**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Odor Control Operator II	23	-	2.0
Information Systems Assistant	22	1.0	1.0
Odor Control Worker	18	2.0	-
<b>Total Full-Time Positions</b>		<b>22.3</b>	<b>23.0</b>

**Total Upper East Fork Interceptor System Positions**

<b>22.3</b>	<b>23.0</b>
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**Sewer System****307 Panther Creek Wastewater Treatment Plant**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Sewer System Plants Manager	44	0.33	1.00
Wastewater Plant Supervisor II	33	1.00	1.00
Chief Wastewater Plant Operator	28	1.00	1.00
Wastewater Technician II	28	1.00	-
Lead Wastewater Plant Operator	27	2.00	2.00
Wastewater Plant Operator III	26	4.00	4.00
Wastewater Plant Operator II	23	8.00	8.00
Information Systems Assistant	22	1.00	1.00
<b>Total Full-Time Positions</b>		<b>18.33</b>	<b>18.00</b>

**309 Stewart Creek Wastewater Treatment Plant**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Professional Engineer	37	1.00	1.00
Wastewater Plant Supervisor II	33	1.00	1.00
Chief Wastewater Plant Operator	28	1.00	1.00
Lead Wastewater Plant Operator	27	2.00	2.00
Wastewater Plant Operator III	26	4.00	4.00
Wastewater Mechanic	25	1.00	1.00
Wastewater Plant Operator II	23	8.00	8.00
Information Systems Assistant	22	1.00	1.00
<b>Total Full-Time Positions</b>		<b>19.00</b>	<b>19.00</b>

**310 Muddy Creek Wastewater Treatment Plant**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Sewer System Plants Manager	44	0.18	-
Wastewater Plant Supervisor II	33	1.00	1.00
Chief Wastewater Plant Operator	28	1.00	1.00
Lead Wastewater Plant Operator	27	2.00	2.00
Wastewater Plant Operator III	26	4.00	4.00
Wastewater Plant Mechanic	25	1.00	1.00
Wastewater Technician I	25	1.20	1.00
Wastewater Plant Operator II	23	7.00	7.00
Information Systems Assistant	22	1.00	1.00
<b>Total Full-Time Positions</b>		<b>18.38</b>	<b>18.00</b>

**601 Small Wastewater Treatment Plants**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Sewer System Plants Manager	44	0.50	-
Wastewater Plant Supervisor II	33	1.00	1.00
Chief Wastewater Plant Operator	28	1.00	1.00
Wastewater Plant Operator III	26	3.00	3.00
Wastewater Mechanic	25	-	1.00
Wastewater Plant Operator II	23	4.00	4.00
Information Systems Assistant	22	1.00	1.00
<b>Total Full-Time Positions</b>		<b>10.50</b>	<b>11.00</b>

**Subtotal Sewer System WWTPs Positions****66.20      66.00****604 Wastewater Pretreatment Department**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Assistant Deputy (Technology & Support)	47	0.20	-
Assistant Deputy (Information Technology)	47	-	0.20
Environmental Services Manager	43	0.25	0.25
Environmental Program Manager	38	0.40	0.40
Environmental Program Coordinator	32	0.60	0.60
Environmental Analyst	30	0.10	0.10
Environmental Supervisor I	29	1.00	1.00
Environmental Specialist II	28	1.00	1.00
Environmental Specialist I	25	1.00	1.00
Environmental Technician II	23	3.00	3.00
Administrative Technician	22	0.60	0.60
<b>Total Full-Time Positions</b>		<b>8.15</b>	<b>8.15</b>

**Total Sewer System Positions****74.35      74.15****401 Regional Solid Waste System****5511 Lookout Transfer Station**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Assistant Deputy (Solid Waste)	47	0.20	0.20
Solid Waste System Manager	44	0.25	-
Transfer Station Manager	38	0.34	0.34
Transfer Station Foreman	26	1.00	1.00
Administrative Technician	22	0.20	0.20
Transfer Station Equipment Operator	22	3.00	3.00
Transport Driver	22	9.00	9.00
Scale Operator	21	2.00	2.00
<b>Total Full-Time Positions</b>		<b>15.99</b>	<b>15.74</b>



**5512 Parkway Transfer Station**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Assistant Deputy (Solid Waste)	47	0.20	0.20
Solid Waste System Manager	44	0.25	-
Transfer Station Manager	38	0.33	0.33
Transfer Station Foreman	26	1.00	1.00
Administrative Technician	22	0.20	0.20
Transfer Station Equipment Operator	22	3.00	3.00
Transport Driver	22	10.00	10.00
Scale Operator	21	2.00	2.00
<b>Total Full-Time Positions</b>		<b>16.98</b>	<b>16.73</b>

**5513 Custer Transfer Station**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Assistant Deputy (Solid Waste)	47	0.20	0.20
Solid Waste System Manager	44	0.25	-
Transfer Station Manager	38	0.33	0.33
Transfer Station Foreman	26	1.00	1.00
Administrative Technician	22	0.20	0.20
Transfer Station Equipment Operator	22	4.00	4.00
Transport Driver	22	15.00	15.00
Scale Operator	21	3.00	3.00
<b>Total Full-Time Positions</b>		<b>23.98</b>	<b>23.73</b>

**5523 121 Regional Disposal Facility**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Assistant Deputy (Solid Waste)	47	0.20	0.20
Solid Waste System Manager	44	0.25	-
Landfill Manager	38	1.00	1.00
Lead Heavy Equipment Operator	25	2.00	2.00
Heavy Equipment Operator	23	19.00	19.00
Administrative Technician	22	0.20	0.20
Landfill Scalehouse Coordinator	22	1.00	1.00
Tipper Operator	22	1.00	1.00
Scale Operator	21	3.00	4.00
Scale Operator (Part-Time)	21	1.00	-
Parts Worker	18	1.00	1.00
Landfill Spotter	17	1.00	1.00
<b>Total Full-Time Positions</b>		<b>30.65</b>	<b>30.40</b>

**5530 Fleet Maintenance Shop**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Assistant Deputy (Solid Waste)	47	0.20	0.20
Fleet Manager	43	-	1.00
Fleet Manager	38	1.00	-
Fleet Maintenance Shop Supervisor	32	1.00	1.00
Fleet Maintenance Shop Foreman	28	2.00	2.00
Heavy Equipment Shop Foreman	28	1.00	1.00
Lead Fleet Maintenance Equipment Mechanic	27	1.00	-
Lead Fleet Maintenance Equipment Technician	27	-	1.00
Heavy Equipment Mechanic	26	4.00	-

**5530 Fleet Maintenance Shop (continued)**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Heavy Equipment Technician	26	-	4.00
Fleet Maintenance Equipment Mechanic	25	8.00	-
Fleet Maintenance Equipment Technician	25	-	8.00
Fleet Administrator	24	1.00	1.00
Welder	24	1.00	1.00
Administrative Technician	22	0.20	0.20
Information Systems Assistant	22	1.00	1.00
Fleet Maintenance Shop Assistant	20	5.00	5.00
<b>Total Full-Time Positions</b>		<b>26.40</b>	<b>26.40</b>

**Total Regional Solid Waste System Positions**

<b>114.00</b>	<b>113.00</b>
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**100 Shared Services Fund****5701 General Department**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Executive Director / General Manager	N/A	1.00	1.00
Deputy Director (Administrative Services)	N/A	1.00	1.00
Deputy Director (Engineering & CIP)	N/A	1.00	1.00
Deputy Director (Operations & Maintenance)	N/A	1.00	-
Deputy Director (Solid Waste & Integrated Services)	N/A	-	1.00
Deputy Director (Water & Wastewater)	N/A	-	1.00
Board Liason & Assistant to the General Manager	47	-	1.00
Process Improvement Advisor	44	1.00	1.00
Special Projects Manager	40	1.00	1.00
Energy Program Manager	38	1.00	1.00
Executive Assistant	38	1.00	-
Government Relations Advisor	35	1.00	1.00
Board Administrative Support Specialist	30	-	1.00
Executive Administrative Assistant	30	1.00	2.00
Senior Administrative Assistant	27	1.00	-
Administrative Assistant (Sr. Admin Assistant - In Lieu Of)	24	1.00	-
<b>Total Full-Time Positions</b>		<b>12.00</b>	<b>13.00</b>

**5702 Communications**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Director of Communications	41	-	1.00
Public Relations & Communications Officer	41	1.00	-
Water Resource Program & Public Education Manager	38	-	1.00
Public Relations Coordinator (PR Specialist - In Lieu Of)	30	1.00	-
Public Relations Specialist	30	1.00	2.00
Public Relations Assistant	24	1.00	-
Water Resource Assistant	24	-	1.00
<b>Total Full-Time Positions</b>		<b>4.00</b>	<b>5.00</b>

**5713 Engineering**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Assistant Deputy (CIP)	47	0.90	0.90
Assistant Deputy (Engineering)	47	1.00	1.00
Engineering Manager	44	2.00	2.00
Reservoir Project Manager	44	1.00	-
Real Estate Manager	43	1.00	1.00
Construction Manager	38	1.00	1.00
Assistant Planning Program Manager	38	-	1.00
Planning Program Manager	38	1.00	1.00
Solid Waste and Specialties Program Manager	38	1.00	1.00
Wastewater Program Manager	38	1.00	2.00
Water Conveyance Program Manager	38	1.00	1.00
Water Treatment Program Manager	38	1.00	1.00
Professional Engineer	37	21.00	21.00
Professional Engineer (Wastewater Program Manager - In Lieu Of)	37	1.00	-
Engineering Projects Coordinator	35	1.00	1.00
Registered Surveyor	35	1.00	-
Assistant Construction Manager	34	1.00	-
I&E Construction Supervisor	31	1.00	1.00
Project Support Supervisor	31	1.00	1.00
Graduate Engineer	30	2.00	2.00
Land Agent	30	2.00	2.00
Contracts Coordinator	28	1.00	-
Engineering Technician	28	6.00	4.00
Project Controls Specialist - Contracts & Document Mgmt.	28	-	1.00
Senior Construction Inspector	28	6.00	8.00
Construction Inspector II	27	12.00	13.00
Construction Inspector I	25	19.00	19.00
Administrative Technician	22	5.00	4.00
<b>Total Full-Time Positions</b>		<b>91.90</b>	<b>89.90</b>

**5714 Permitting**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Assistant Deputy (CIP)	47	0.10	0.10
Permitting Manager	40	-	1.00
Environmental Manager	38	1.00	-
Permit Coordinator	31	1.00	2.00
<b>Total Full-Time Positions</b>		<b>2.10</b>	<b>3.10</b>

**5721 Control Systems**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Assistant Deputy (Maintenance)	47	0.10	0.10
Control Systems Manager	43	1.00	1.00
Control Systems Supervisor	32	1.00	1.00
Information Technology Supervisor (Control Systems Sr Tech - In Lieu Of)	31	1.00	-
Control Systems Senior Technician	30	4.00	5.00

**5721 Control Systems (continued)**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Graduate Engineer	30	1.00	1.00
Control Systems Technician	25	1.00	1.00
<b>Total Full-Time Positions</b>		<b>9.10</b>	<b>9.10</b>

**5722 Facilities Services**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Assistant Deputy (Maintenance)	47	0.45	0.45
Maintenance Manager	44	0.50	0.50
Assistant Maintenance Manager	38	0.50	0.50
Maintenance Engineer / Asset Risk Manager	38	0.50	0.50
Electrical Maintenance Manager	36	0.50	0.50
Facilities Services Manager	35	1.00	1.00
Maintenance Services Superintendent Pipeline	29	1.00	1.00
Maintenance Services Superintendent Plant	29	1.00	1.00
Lead Line Locator	26	1.00	1.00
Maintenance Right - of - Way Supervisor	26	1.00	1.00
Maintenance Valve Crew Supervisor	26	1.00	1.00
Pipeline Crewleader	26	2.00	2.00
Line Locator	25	4.00	4.00
Custodial Crewleader	23	1.00	1.00
Facility Maintenance Crewleader	23	-	1.00
Heavy Equipment Operator	23	6.00	6.00
Painting / Carpentry Crewleader	23	1.00	-
Administrative Technician	22	1.00	1.00
Lead Maintenance Worker - Carpentry	21	1.00	-
Lead Maintenance Worker - Facility Maintenance	21	-	2.00
Lead Maintenance Worker - Paint	21	1.00	-
Lead Maintenance Worker - Pipeline	21	7.00	7.00
Light Equipment Operator	21	1.00	1.00
Maintenance Worker - Facility Maintenance	20	-	5.00
Maintenance Worker - Facility Maintenance (Leonard / BDL)	20	-	1.00
Maintenance Worker - Paint / Carpentry	20	5.00	-
Maintenance Worker - Pipeline	20	20.00	20.00
Custodian	16	6.00	3.00
<b>Total Full-Time Positions</b>		<b>64.45</b>	<b>62.45</b>

**5723 Technical Services**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Assistant Deputy (Maintenance)	47	0.45	0.45
Maintenance Manager	44	0.50	0.50
Assistant Maintenance Manager	38	0.50	0.50
Maintenance Engineer / Asset Risk Manager	38	0.50	0.50
Electrical Maintenance Manager	36	0.50	0.50
Mechanical Maintenance Manager	36	-	1.00
Technical Services Manager	36	1.00	-
Electrical Superintendent	32	1.00	1.00
Instrumentation Superintendent	32	1.00	1.00
Maintenance Planner Scheduler	31	-	1.00
Maintenance Superintendent (Leonard)	31	1.00	1.00

**5723 Technical Services (continued)**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Mechanical Superintendent	31	1.00	1.00
Ozone Superintendent	31	1.00	1.00
Assistant Electrical Superintendent	29	1.00	1.00
Assistant Instrumentation Superintendent	29	1.00	1.00
Physical Security Coordinator	29	1.00	-
Technical Services Coordinator	29	1.00	-
Assistant Mechanical Superintendent	28	1.00	1.00
Electrical Technician	28	1.00	1.00
Instrumentation Technician II	28	2.00	2.00
Ozone Supervisor	28	4.00	4.00
Electrician II	27	3.00	3.00
Instrumentation Technician	27	6.00	6.00
Instrumentation Technician (Leonard)	27	-	1.00
Ozone Instrumentation Technician	27	8.00	8.00
Electrician	26	11.00	11.00
Electrician (Leonard)	26	-	1.00
Lead Technical Services Mechanic	26	6.00	6.00
Lead Welder	26	1.00	1.00
Ozone Electrician	26	8.00	8.00
Ozone Mechanic	25	4.00	4.00
Technical Services Crane Operator	25	2.00	2.00
Technical Services Mechanic	25	11.00	11.00
Technical Services Mechanic (Leonard)	25	-	1.00
Warehouse Foreman	25	-	1.00
Welder	24	5.00	5.00
Maintenance Dispatch	23	-	2.00
Administrative Technician	22	1.00	1.00
Maintenance Shop Assistant	20	8.00	8.00
Maintenance Shop Assistant Electrical (Leonard)	20	-	1.00
Maintenance Shop Assistant Instrumentation (Leonard)	20	-	1.00
Maintenance Shop Assistant Mechanical (Leonard)	20	-	1.00
Parts Worker	18	1.00	-
<b>Total Full-Time Positions</b>		<b>95.45</b>	<b>102.45</b>

**5751 Human Resources**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Assistant Deputy (HR & Admin)	47	0.50	-
Assistant Deputy (Human Resources)	47	-	1.00
Human Resources Manager	43	1.00	1.00
Assistant Human Resources Manager	38	1.00	1.00
Human Resources Trainer	31	1.00	1.00
Wellness and Benefits Administrator	31	1.00	1.00
Human Resources Generalist	25	-	2.00
Human Resources Specialist	25	1.00	1.00
Human Resources Assistant	24	-	1.00
Human Resources Technician	22	4.00	1.00
Receptionist	18	2.00	1.00
<b>Total Full-Time Positions</b>		<b>11.50</b>	<b>11.00</b>

**5752 Records**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Assistant Deputy (HR & Admin)	47	0.10	-
Records Manager	38	1.00	1.00
Records Specialist (Digital Process Designer - In Lieu Of)	30	1.00	-
Digital Process Designer	30	-	1.00
Records Technician	25	4.00	4.00
<b>Total Full-Time Positions</b>		<b>6.10</b>	<b>6.00</b>

**5753 Safety**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Assistant Deputy (HR & Admin)	47	0.40	-
Health & Safety Manager	43	1.00	1.00
Emergency Operations Program Manager	38	-	1.00
Emergency Operations Program Manager	35	1.00	-
Physical Security Coordinator	29	-	1.00
Safety Coordinator (Emergency Operations)	29	1.00	1.00
Safety Coordinator (SW & Maint)	29	1.00	1.00
Safety Coordinator (Training)	29	1.00	1.00
Safety Coordinator (Wastewater)	29	1.00	1.00
Safety Coordinator (Water)	29	1.00	1.00
Administrative Assistant	24	1.00	1.00
Information Systems Assistant	22	-	1.00
<b>Total Full-Time Positions</b>		<b>8.40</b>	<b>10.00</b>

**5761 Accounting**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Assistant Deputy (Finance)	47	0.50	0.50
Accounting Manager	43	1.00	1.00
Assistant Accounting Manager	39	1.00	1.00
Financial Reporting Accountant	38	1.00	1.00
Senior Project Accountant	32	1.00	1.00
Payroll Supervisor	31	1.00	1.00
Senior Accountant	28	1.00	1.00
Accounts Payable Supervisor	27	1.00	1.00
Staff Accountant	25	2.00	2.00
Accounts Receivable Specialist	24	1.00	1.00
Accounting Technician	22	5.00	5.00
<b>Total Full-Time Positions</b>		<b>15.50</b>	<b>15.50</b>

**5762 Finance**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Assistant Deputy (Finance)	47	0.50	0.50
Finance Manager	43	1.00	1.00
Assistant Finance Manager	38	1.00	1.00
Debt & Investment Supervisor	35	1.00	1.00
Financial Analyst	29	2.00	2.00
Financial Analyst (Special Projects)	29	-	1.00
Investment Coordinator	26	1.00	1.00
Budget Coordinator	25	1.00	1.00

**5762 Finance (continued)**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Financial Analyst I	25	1.00	1.00
Financial Assistant	24	1.00	1.00
Accounting Technician (Contract Coordinator - In Lieu Of)	22	1.00	-
<b>Total Full-Time Positions</b>		<b>10.50</b>	<b>10.50</b>

**5763 Purchasing**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Purchasing Manager	43	1.00	1.00
Purchasing Agent	36	-	1.00
Contract Administrator	34	3.00	-
Senior Buyer	30	-	3.00
<b>Total Full-Time Positions</b>		<b>4.00</b>	<b>5.00</b>

**5771 Information Technology**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Assistant Deputy (Technology & Support)	47	0.20	-
Assistant Deputy (Information Technology)	47	-	0.20
Information Technology Manager	42	1.00	1.00
Information Systems Manager	39	1.00	1.00
Technical Project Coordinator	32	-	1.00
Information Technology Supervisor	31	1.00	1.00
Control Systems Senior Technician (IT Sr Tech - ILO)	30	1.00	-
Information Technology Senior Technician	29	1.00	-
Information Technology Administrator	29	-	2.00
GIS Coordinator	28	1.00	1.00
GIS Analyst	27	1.00	1.00
Information Systems Analyst	27	1.00	1.00
Information Systems Senior Technician	27	1.00	1.00
Information Systems Technician	25	2.00	1.00
Sharepoint Administrator	25	-	1.00
Information Technology Technician	23	2.00	2.00
Administrative Technician	22	1.00	1.00
GIS Assistant	22	-	1.00
Information Systems Assistant	22	4.00	2.00
<b>Total Full-Time Positions</b>		<b>18.20</b>	<b>18.20</b>

**5772 Environmental Services**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Assistant Deputy (Technology & Support)	47	0.20	-
Assistant Deputy (Information Technology)	47	-	0.20
Environmental Services Manager	43	0.25	0.25
Environmental Program Manager	38	0.60	0.60
Environmental Program Coordinator	32	0.40	0.40
Environmental Analyst	30	0.90	0.90
Environmental Supervisor I	29	1.00	1.00
Environmental Specialist II	28	1.00	1.00
Quality System Technician	27	1.00	-
WIMS Analyst	27	-	1.00



**5772 Environmental Services (continued)**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Environmental Specialist I	25	1.00	1.00
Environmental Technician II	23	3.00	3.00
Administrative Technician	22	0.20	0.20
<b>Total Full-Time Positions</b>		<b>9.55</b>	<b>9.55</b>

**5773 Laboratory Services**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Assistant Deputy (Technology & Support)	47	0.20	-
Assistant Deputy (Information Technology)	47	-	0.20
Environmental Services Manager	43	0.25	0.25
Laboratory Manager	38	1.00	1.00
LIMS Administrator	32	1.00	1.00
Operations Manager	32	1.00	1.00
Laboratory QA / QC Officer	31	1.00	1.00
Section Chief / Section Supervisor	30	4.00	4.00
Chemist / Biologist	29	5.00	5.00
Deputy QA / QC Officer / Laboratory Safety Officer	29	1.00	1.00
Administrative Assistant / Senior Laboratory Technician	27	1.00	-
Laboratory Data Validator	27	1.00	1.00
Senior Laboratory Technician	27	10.00	11.00
Senior Sample Control Technician	27	2.00	2.00
Sample Control Technician II	24	1.00	1.00
Administrative Technician	22	0.20	0.20
Sample Control Technician	20	2.00	2.00
<b>Total Full-Time Positions</b>		<b>31.65</b>	<b>31.65</b>

**5774 Regulatory Compliance**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY21</b>	<b>FY22</b>
Assistant Deputy (Technology & Support)	47	0.20	-
Assistant Deputy (Information Technology)	47	-	0.20
Environmental Services Manager	43	0.25	0.25
Environmental Compliance Manager	38	1.00	1.00
Senior Environmental Health & Safety Specialist	31	1.00	1.00
Environmental Compliance Coordinator	29	1.00	1.00
<b>Total Full-Time Positions</b>		<b>3.45</b>	<b>3.45</b>

**Total Shared Services Fund Positions****397.85      405.85****Total All Systems Positions****875.00      897.00**

## SALARY SCHEDULE ANNUAL AMOUNTS

Grade	Minimum	Midpoint	Maximum
16	\$31,739	\$39,357	\$46,975
17	\$33,410	\$41,428	\$49,446
18	\$35,081	\$43,500	\$51,919
19	\$36,834	\$45,675	\$54,515
20	\$38,676	\$47,958	\$57,241
21	\$40,610	\$50,356	\$60,103
22	\$42,642	\$52,875	\$63,108
23	\$44,772	\$55,518	\$66,263
24	\$47,011	\$58,294	\$69,576
25	\$49,362	\$61,209	\$73,056
26	\$51,830	\$64,269	\$76,708
27	\$54,422	\$67,483	\$80,544
28	\$57,142	\$70,857	\$84,572
29	\$60,000	\$74,400	\$88,800
30	\$63,000	\$78,120	\$93,240
31	\$66,149	\$82,025	\$97,902
32	\$69,458	\$86,127	\$102,797
33	\$72,931	\$90,433	\$107,936
34	\$76,576	\$94,955	\$113,334
35	\$80,405	\$99,702	\$119,000
36	\$84,426	\$104,688	\$124,950
37	\$88,646	\$109,922	\$131,198
38	\$93,079	\$115,418	\$137,757
39	\$97,733	\$121,189	\$144,644
40	\$102,619	\$127,249	\$151,878
41	\$107,750	\$133,611	\$159,471
42	\$113,138	\$140,291	\$167,444
43	\$118,795	\$147,306	\$175,817
44	\$124,735	\$154,671	\$184,608
45	\$130,971	\$162,405	\$193,838
46	\$137,521	\$170,525	\$203,530
47	\$144,396	\$179,051	\$213,706
48	\$151,617	\$188,004	\$224,392

PLUS - THE FOLLOWING PAY FOR TCEQ REQUIRED LICENSE.

LICENSE	MONTHLY
A	\$150.00
B	\$75.00
C	\$50.00

PLUS - THE FOLLOWING SHIFT DIFFERENTIAL PAY FOR MONDAY THROUGH SUNDAY.

SHIFT	HOURLY
1ST	\$0.00
2ND	\$0.75
3RD	\$1.00

PLUS - THE FOLLOWING PAY FOR HAZMAT CERTIFICATION.

PROGRAM	MONTHLY
HAZMAT PAY	\$166.67

## LONG - TERM PLANNING

## Long-Term Planning Process

At the beginning of each fiscal year, District staff updates cost projections starting with the approved budget and escalating the costs for subsequent years. In addition to existing costs, staff also must account for new future costs, which are typically driven by the Capital Improvement Plan (CIP).

## CIP Project Nomination, Validation and Prioritization

Throughout the year, new projects are nominated to the existing CIP based on current and future needs. Project nominations can come from a variety of sources including: master plans, internal studies, needs/condition assessments, external requests, regulatory assessments and/or employee identified. Nominated projects generally fall into the following categories: expanding/new growth, aging infrastructure, new regulations and others. To nominate a project a nomination form is completed and it is then reviewed and validated before being prioritized and selected from all existing and newly nominated projects. Projects that ultimately end up being selected are taken to the District Executive Team to be approved for inclusion into the CIP. Projects that are accepted into the CIP are added to the schedule for future funding needs. Based on available funding and needs, staff determines whether a project can be completed using funds on hand or if a bond sale will be needed. If a bond sale is needed staff coordinates with the District's financial advisor and bond counsel to facilitate a transaction.

The following table shows the current approved CIP by system for the next five years.

## Capital Improvement Plan FY 2022-2026

### Regional Water System

Primary Driver for Projects	2022	2023	2024	2025	2026
Expanding/New Growth	\$ 156	\$ 697	\$ 46	\$ 105	\$ 59
Maintaining Aging Infrastructure	119	134	135	45	41
Regulatory Requirements	22	-	4	1	8
Other	-	-	-	-	-
Total Project Costs (\$M)	\$ 297	\$ 832	\$ 185	\$ 150	\$ 108

### Regional Wastewater System

Primary Driver for Projects	2022	2023	2024	2025	2026
Expanding/New Growth	\$ 18	\$ 157	\$ -	\$ 0	\$ 3
Maintaining Aging Infrastructure	5	4	3	78	20
Peak Flows/New Growth	138	41	37	20	38
Other	-	-	-	-	-
Total Project Costs (\$M)	\$ 161	\$ 202	\$ 40	\$ 98	\$ 62

### Upper East Fork Interceptor System

Primary Driver for Projects	2022	2023	2024	2025	2026
Expanding/New Growth	\$ 53	\$ 17	\$ 9	\$ 13	\$ -
Maintaining Aging Infrastructure	36	45	27	29	31
Peak Flows/New Growth	38	60	19	-	-
Other	-	-	-	-	-
Total Project Costs (\$M)	\$ 127	\$ 122	\$ 54	\$ 43	\$ 31

**Sewer System**

Primary Driver for Projects	2022	2023	2024	2025	2026
Expanding/New Growth	\$ 74	\$ 117	\$ 4	\$ 45	\$ -
Maintaining Aging Infrastructure	2	1	2	-	-
Peak Flows/New Growth	40	34	2	1	8
Total Project Costs (\$M)	\$ 116	\$ 152	\$ 8	\$ 46	\$ 8

**Regional Solid Waste System**

Primary Driver for Projects	2022	2023	2024	2025	2026
Expanding/New Growth	\$ 9	\$ 13	\$ 27	\$ -	\$ -
Maintaining Aging Infrastructure	4	3	-	-	-
Total Project Costs (\$M)	\$ 13	\$ 16	\$ 27	\$ -	\$ -

## Funding and Planning for Future Operating Costs

Once a project has been added to the CIP and funding has been determined, it is reflected in the cost projections via drawdowns on Capital Improvement Funds or as additional debt service from the related debt issuance. The CIP estimates when new projects are expected to be placed into service and the cost projections factor in additional operating costs of between 1-3% of the project cost. These additional operating costs are reflected beginning with the year the project is placed into service and then escalated for inflation in subsequent years.

At the same time future costs are being projected, future demand is also forecasted which is used to determine cost per unit and cost allocations for the participating Member Cities and Customers. In addition to providing an outlook of future system costs, the cost projections also allow the District to plan for large one time expenditures by utilizing escrow/reserve accounts. For example: If a large expenditure is expected three years in the future the District can move funds into an escrow/reserve account over each of the next three years so that when the time comes for the planned expenditure the funds are available. This helps not only the District but also the Member Cities and Customers plan for a more gradual increase vs. a large spike in a given year.

The District services one of the fastest growing regions in the country and great effort is spent planning for the future needs of the region. This growth is considered when developing the Annual Budget. Each year the District contracts with a third party consultant to update cost projections that ensure appropriate rates are set for Member Cities and Customers. The cost projections are 10 year forecasts based on the current adopted budget and appropriate cost escalations. The cost projections also take into account future planned debt issuances and additional O&M from future facilities. Cost projections are distributed to Member Cities and Customers once finalized and gives an early look at future budgets. The most recent cost projection summaries for each of the systems are uploaded to the District's website.

To view the latest cost projection summaries including explanations for year over year increases please refer to our website here: <https://www.ntmwd.com/finances/traditional-finances/> under the Strategic Financial Plans Section.

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## PERFORMANCE METRICS



Key Performance Measures

The District takes very seriously the mission of providing safe, high quality and dependable water, wastewater and solid waste services. The operations staff throughout the District share a continuous improvement approach to implement efficiencies and improve the operation and maintenance of facilities. The following are some of the key performance measures for each of the major operating divisions: Water, Wastewater and Solid Waste.

Water Operations Key Performance Measures

District employees work around the clock to manage the treatment plants, pump stations and pipelines within the water system. Hundreds of samples are collected each day which are analyzed in the District’s state-accredited laboratory to ensure water quality. The District is proud that the water it supplies to its Member and Customer meets or surpasses federal and state regulatory and water quality standards. The water system consistently earns the “Superior” rating from TCEQ. Some of the key performance measures that have been implemented to quantify how water operations is performing in alignment with NTMWD Strategic Plan Goals & Objectives include: Water Quality, Meeting Water Demand, Monitoring for Zebra Mussels, Utilization of Reuse Water and Community Outreach.

Water Quality

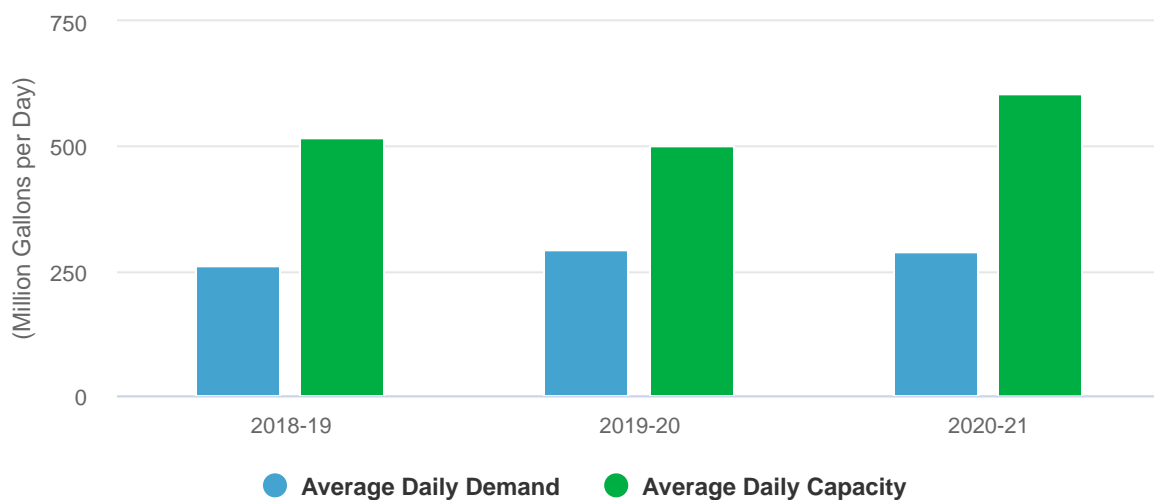
<b>Goal:</b>	Produce high quality drinking water by meeting or exceeding all TCEQ standards and NTMWD treatment goals, including maintaining an average annual total chlorine residual above 3 mg/L and achieving the optimized targets for pH, alkalinity and calcium identified in the NTMWD Corrosion Control Study.
<b>Purpose:</b>	Water is essential to life and it’s our mission to provide safe and reliable water to all of our Member Cities and Customers.
<b>Strategic Plan Objective:</b>	High Quality Services
<b>Strategic Plan Initiative:</b>	Meet or surpass regulatory requirements

Water provided by the District meets or surpasses Safe Drinking Water Standards established by the EPA as well as regulations set by the TCEQ. The EPA prescribes regulations that limit the amounts of certain contaminants allowed in water after its treatment, when it is delivered by public water systems. The District publishes an Annual Water Quality Report (also known as Consumer Confidence Report) to provide an overview of water quality during the previous calendar year. The District is required under the Safe Water Drinking Act (SDWA) to produce this annual report each year on the quality of its drinking water. The District’s Annual Water Quality Reports can be found using the following link: <https://www.ntmwd.com/water-quality-reports/> The reports inform consumers about drinking water sources, what analytical tests are conducted to ensure the safety of District’s drinking water, the results of the analytical testing and how the test results compare to state drinking water standards.

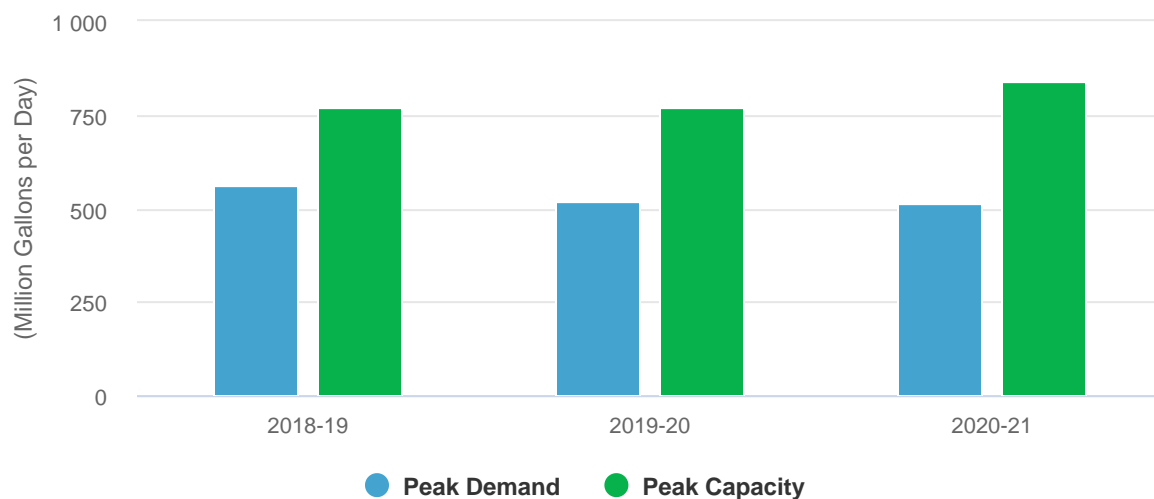
## Meet Water Demands

<b>Goal:</b>	Maintain water production capacities and meet all water demands of Member Cities and Customers.
<b>Purpose:</b>	The purpose is to show that the District maintained the required treatment capacity to meet average and peak demand.
<b>Strategic Plan Objective:</b>	High Quality Services
<b>Strategic Plan Initiative:</b>	Enhance system reliability and efficiency

### Average Daily Demand vs. Capacity



### Peak Demand vs. Capacity

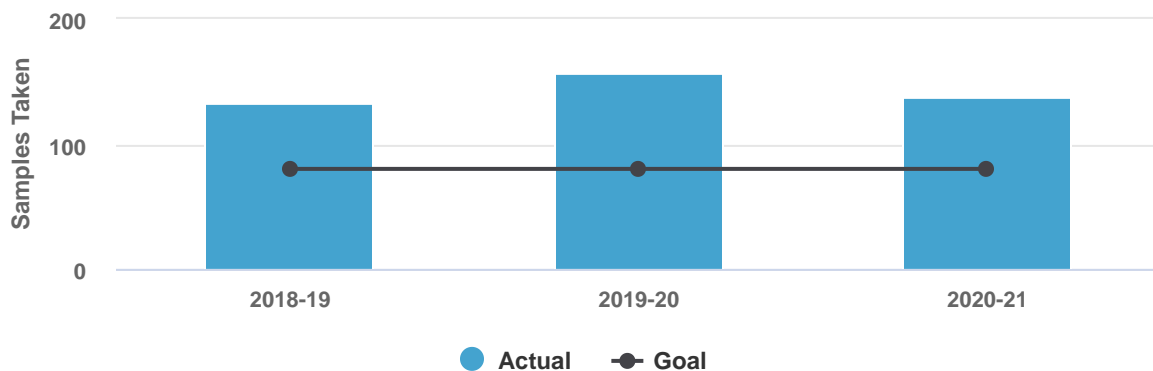


-The demand and capacity numbers (peak and average) reflect the Wylie WTP only.

## Monitor for Zebra Mussels

<b>Goal:</b>	Proactively monitor for the presence of zebra mussels in NTMWD water supplies and critical infrastructure by performing visual inspections and collecting at least 80 samples for analysis.
<b>Purpose:</b>	Zebra mussels can block water intake pipes which could cut off water supply to the water treatment plants. By monitoring for the presence of zebra mussels NTMWD can take action to keep pipes clear.
<b>Strategic Plan Objective:</b>	High Quality Services
<b>Strategic Plan Initiative:</b>	Enhance system reliability and efficiency

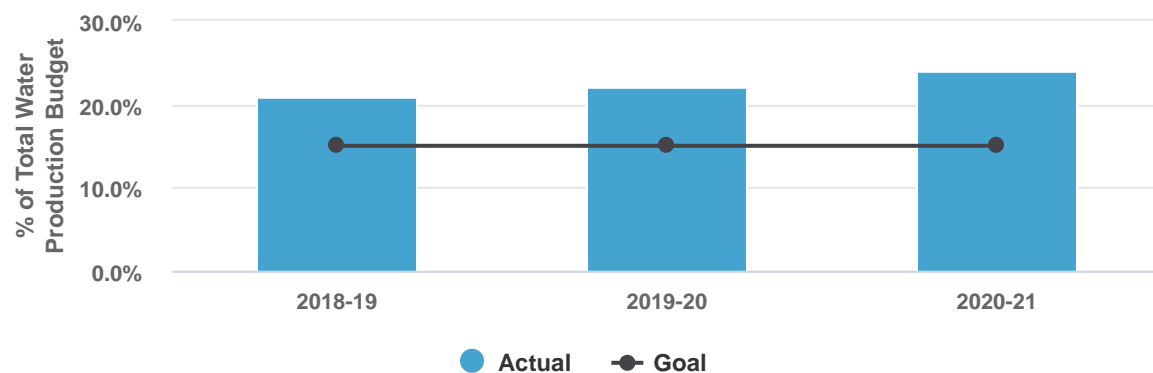
### Analysis for Zebra Mussel Presence



## Water Reuse

<b>Goal:</b>	Optimize utilization of reuse water available to NTMWD, including treated wastewater return flows discharged to the East Fork of the Trinity River, Main Stem of the Trinity River and Lavon Lake. Goal is to supply 15% of budgeted water from reuse sources.
<b>Purpose:</b>	Water is a precious resource and by utilizing reuse water sources the District is able to help maintain adequate supplies.
<b>Strategic Plan Objective:</b>	High Quality Services
<b>Strategic Plan Initiative:</b>	Enhance system reliability and efficiency

### % of Budgeted Water Production from Reuse



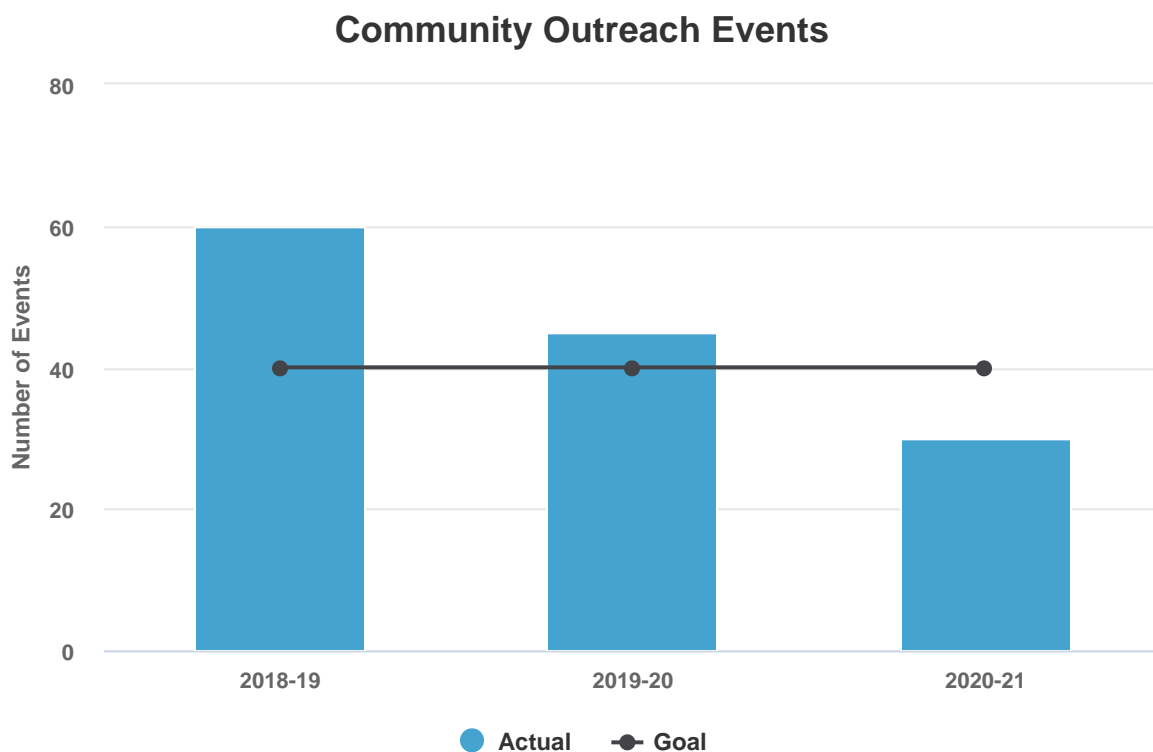
## Conduct Community Outreach Events

**Goal:** Conduct at least 40 outreach events per year

**Purpose:** The purpose is to strengthen stakeholder understanding and support of NTMWD Water System operations and initiatives.

**Strategic Plan Objective:** Well-Informed & Educated Public

**Strategic Plan Initiative:** Increase public awareness of the role, services, resources and value of the NTMWD



-Outreach events were limited in 2020 and 2021 due to the COVID-19 Pandemic.

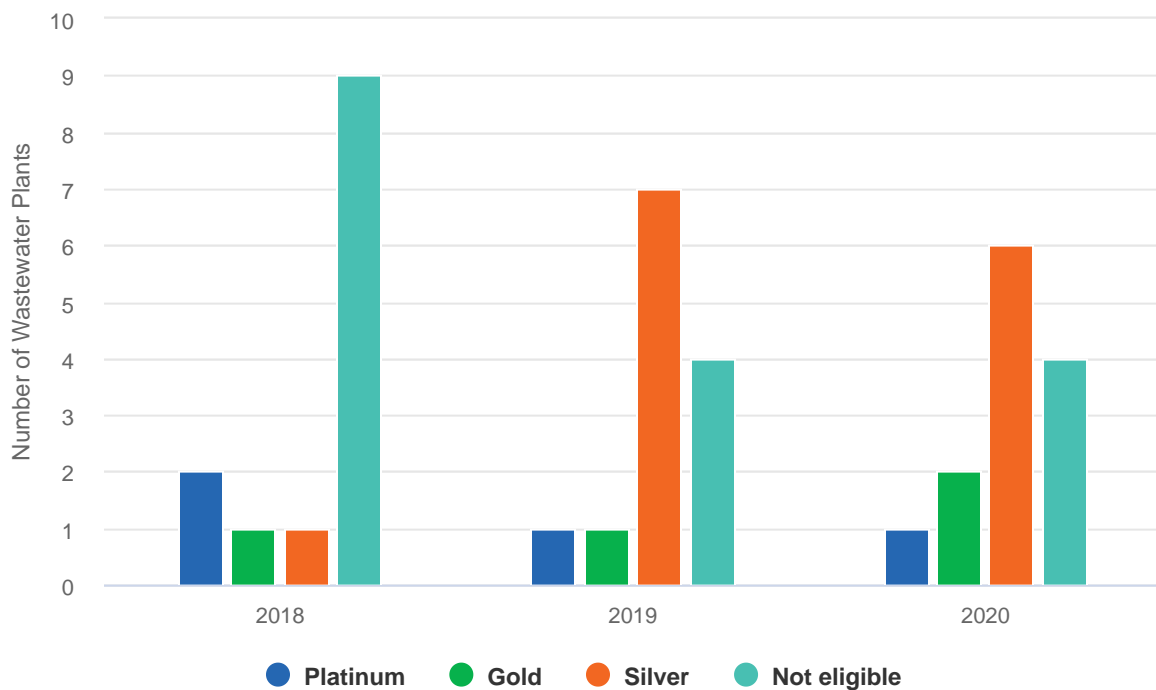
## Wastewater Operations Key Performance Measures

The Wastewater Operations staff shares a continuous improvement approach to find ways to produce higher quality water, implement efficiencies, and improve the operations and maintenance of facilities. Some of the key performance measures that have been implemented to quantify how wastewater operations is performing in alignment with NTMWD Strategic Plan Goals & Objectives include: Plant Permit Compliance, Sanitary Sewer Overflows Prevention, Phosphorus Control to Further Protect Water Supply, Reduction in Chemical Expenditures, and Odor Control Management.

### Plant Permit Compliance

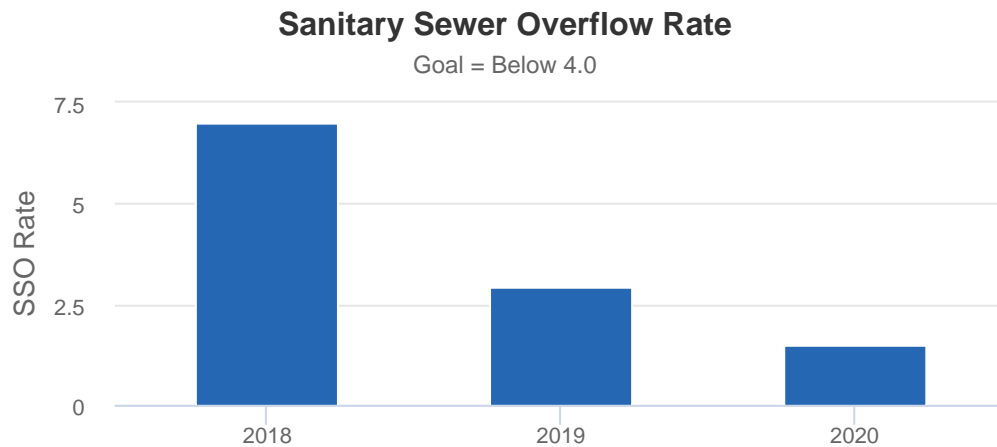
<b>Goal:</b>	For all NTMWD Wastewater Treatment Plants to receive a National Association of Clean Water Agencies (NACWA) Peak Performance Award.
<b>Purpose:</b>	Peak Performance Awards recognize facilities for excellence in permit compliance. Having all facilities receive a Silver (no more than five violations per calendar year), a Gold (no permit violations for the entire calendar year) or a Platinum (100% compliance with permits over a consecutive five-year period) award is an eligibility requirement for consideration for the Excellence in Management Recognition.
<b>Strategic Plan Objective:</b>	High Quality Services
<b>Strategic Plan Initiative:</b>	Meet or surpass regulatory requirements

### NACWA Peak Performance Awards



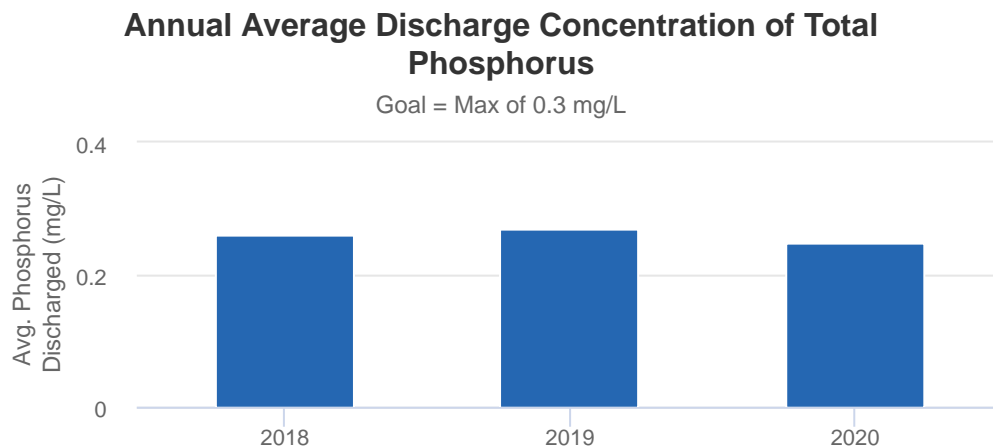
## Sanitary Sewer Overflows Prevention

<b>Goal:</b>	Maintain a below the industry standard rate of 4.0 for satisfactory performing systems for sanitary sewer overflows (SSOs) per 100 miles of pipe.
<b>Purpose:</b>	Reliable service is dependent upon conveying wastewater to treatment plants for treatment. SSOs will be prevented by proactively maintaining the wastewater conveyance system.
<b>Strategic Plan Objective:</b>	High Quality Services
<b>Strategic Plan Initiative:</b>	Meet or surpass regulatory requirements



## Phosphorus Control to Further Protect Water Supply

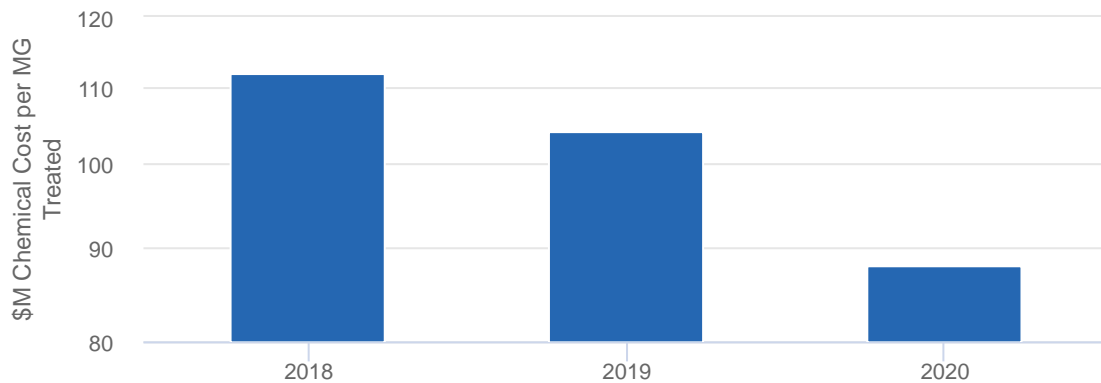
<b>Goal:</b>	The discharge permit allows a concentration of 0.5 mg/L of phosphorus to be discharged, but NTMWD has a stretch goal of keeping average concentration discharged under 0.3 mg/L.
<b>Purpose:</b>	Wilson Creek RWWTP discharges into Lavon Lake, an important element of NTMWD's water supply. This measure quantifies water quality discharged into Lavon Lake as a key measure to demonstrate NTMWD taking steps to protect drinking water quality.
<b>Strategic Plan Objective:</b>	High Quality Services
<b>Strategic Plan Initiative:</b>	Apply proven technologies and processes to improve water quality



## Reduction in Chemical Expenditures

<b>Goal:</b>	Reduce chemical spending while maintaining performance requirements.
<b>Purpose:</b>	Chemical costs account for over \$10 million in the FY21 operations budget. While chemical spending is an essential component of the budget, significant efforts have been made in the past several years to improve systems, processes and training to optimize chemical spending on chemicals used to treat the wastewater at the plants.
<b>Strategic Plan Objective:</b>	Efficient Business Practices
<b>Strategic Plan Initiative:</b>	Identify and execute efficiencies in systems, processes and staffing throughout the District

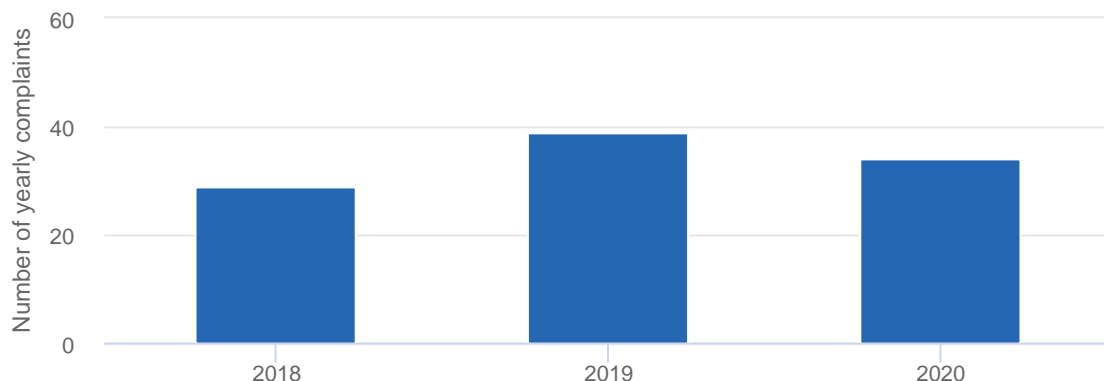
### Chemical Expenditure Reduction



## Odor Control Management

<b>Goal:</b>	Improve year over year number of odor complaints received that are attributable to NTMWD.
<b>Purpose:</b>	Being a good neighbor is of critical importance to NTMWD. To ensure this object is fulfilled, staff must proactively prevent odors, collect and treat odorous air, monitor odor control systems, respond to odor complaints and identify continuous improvement opportunities.
<b>Strategic Plan Objective:</b>	Engaged Members, Customers and Stakeholders
<b>Strategic Plan Initiative:</b>	Foster respect and sensitivity to neighboring properties and communities surrounding our facilities

### Odor Complaints per Year





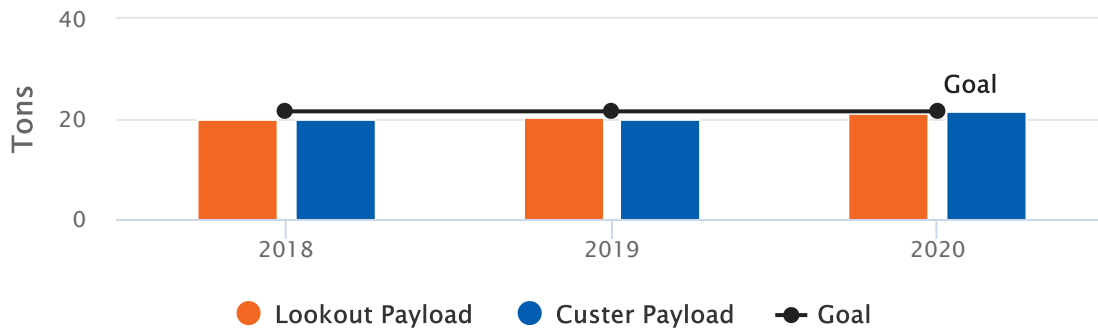
## Solid Waste Operations Key Performance Measures

The most environmentally sound approach to managing municipal solid waste is to reduce or reuse where possible, recycle or compost and dispose of waste in landfills only when needed. The District's solid waste system is designed to process and dispose of waste safely and reliably while protecting the environment and water quality. Some of the key performance measures that have been implemented to quantify how solid waste operations is performing in alignment with NTMWD Strategic Plan Goals & Objectives include: Transfer Trailer Payload Limits, Landfill Compaction Limits, Soil as Percentage of Consumed Airspace and Fleet Availability.

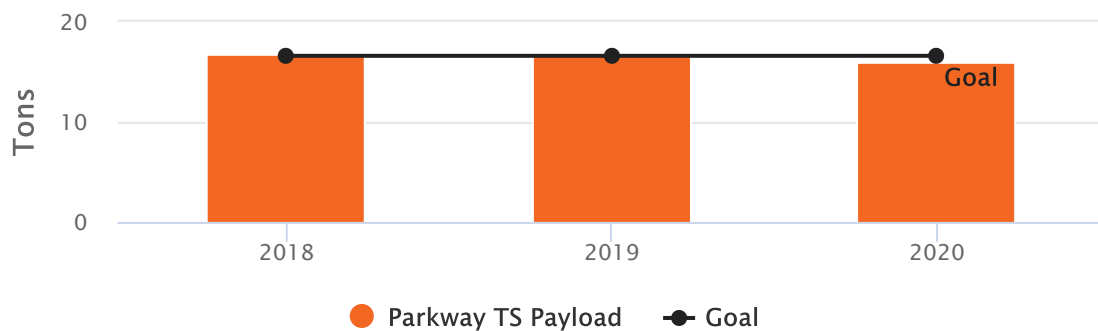
### Transfer Trailer Payload

- Goal:** Monthly payload average of 21.5 tons each at Custer Road Transfer Station and Lookout Drive Transfer Station, and 16.6 tons at Parkway. Parkway Transfer Station is a compactor type load out that uses heavier trailers and thus lower payload limit.
- Purpose:** Maximum legal payload ensures the least amount of trips transporting waste to the landfill, which reduces labor, fuel and maintenance costs of the tractors and trailers used to haul the waste.
- Strategic Plan Objective:** Enhance system reliability and efficiency
- Strategic Plan Initiative:** Identify and execute efficiencies in systems, processes and staffing throughout the District

Lookout and Custer Transfer Station Payloads

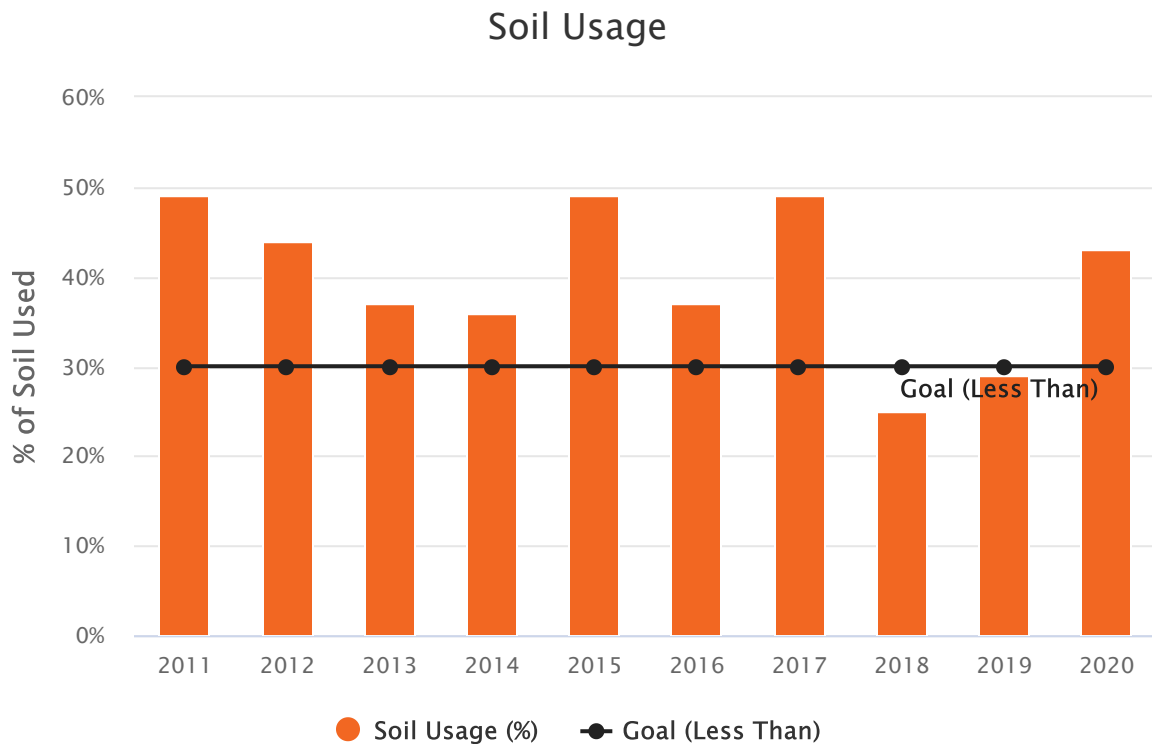


Parkway Transfer Station Payloads



## 121 Regional Disposal Facility Soil Usage in Landfilling Operations

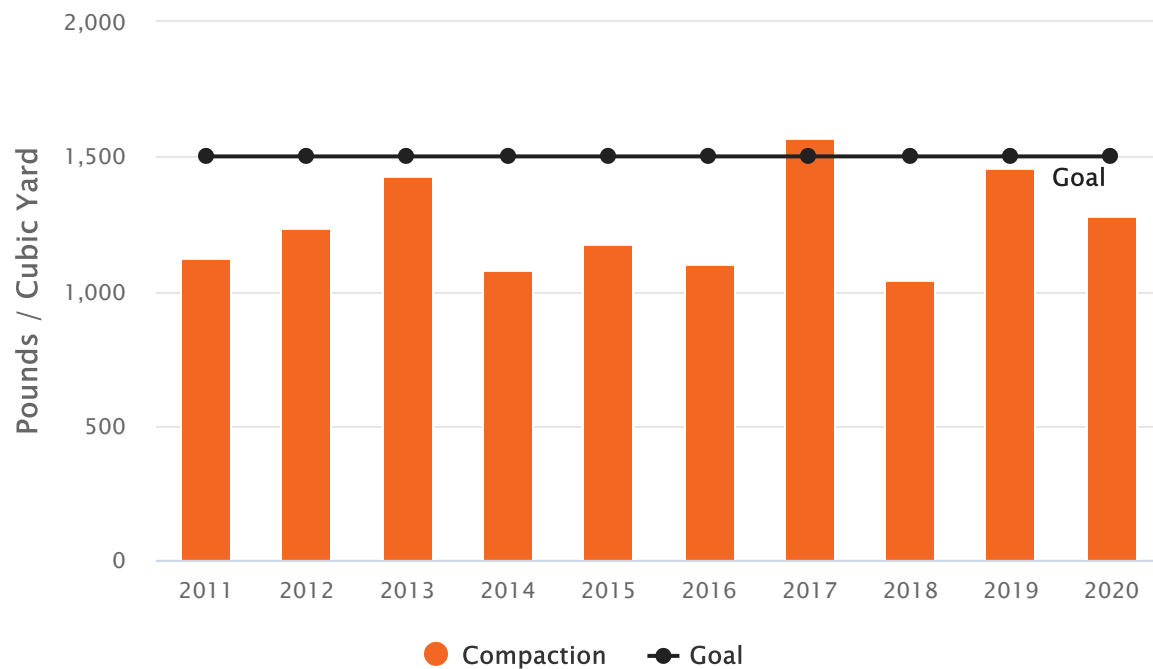
<b>Goal:</b>	Less than 30% soil usage
<b>Purpose:</b>	Placing soil for daily and intermediate cover thicker than required consumes airspace and decreases site life, impacts site density, timing of cell construction and increases operating costs due to excess labor and equipment operation.
<b>Strategic Plan Objective:</b>	Enhance system reliability and efficiency
<b>Strategic Plan Initiative:</b>	Identify and execute efficiencies in systems, processes and staffing throughout the District



## 121 Regional Disposal Facility Annual Density of Airspace

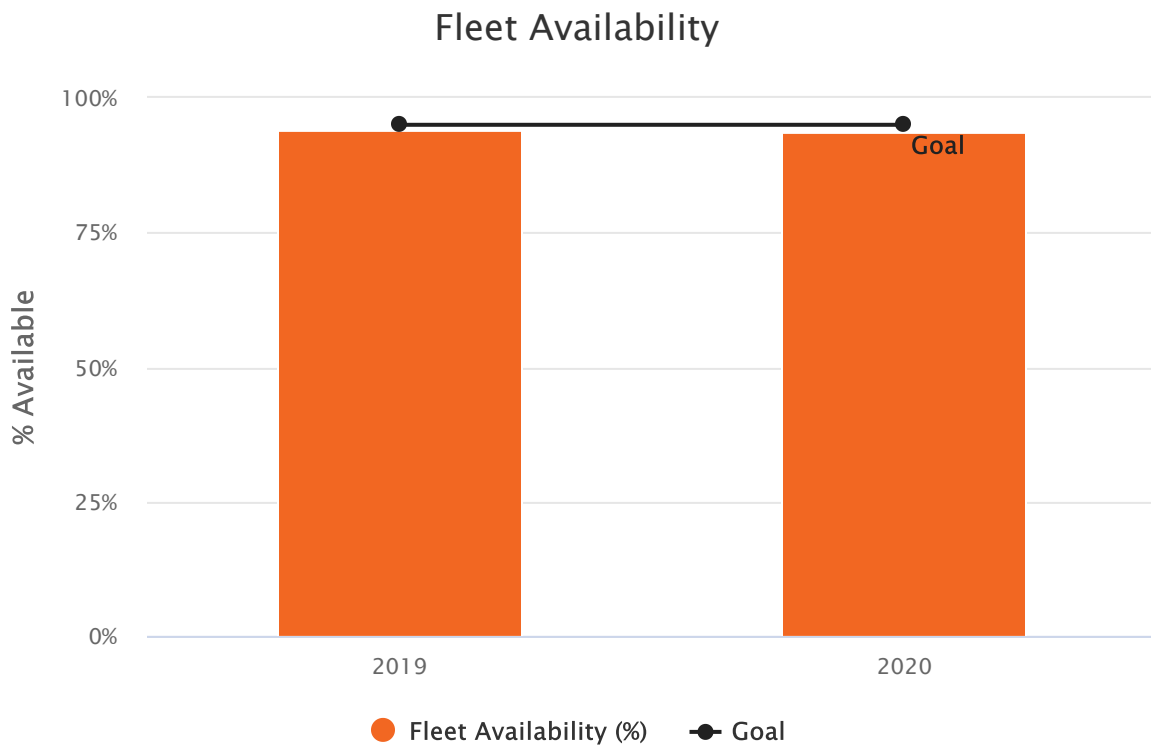
<b>Goal:</b>	1,500 pounds per cubic yard
<b>Purpose:</b>	Higher density increases site life, delays timing of cell construction, reduces effort to cover waste each day; therefore, reduces operating costs.
<b>Strategic Plan Objective:</b>	Enhance system reliability and efficiency
<b>Strategic Plan Initiative:</b>	Identify and execute efficiencies in systems, processes and staffing throughout the District

### 121 RDF Compaction Rate



## Fleet - Asset Availability

<b>Goal:</b>	95% or higher within the Wylie Service Center (light through medium duty vehicles)
<b>Purpose:</b>	Measures the availability of fleet by department throughout NTMWD. This allows fleet management staff to quickly identify areas of downtime and/or departments that may need additional support.
<b>Strategic Plan Objective:</b>	Proactive Maintenance Management
<b>Strategic Plan Initiative:</b>	Optimize fleet maintenance operations



**2021-22  
GLOSSARY**

## GLOSSARY OF TERMS AND ACRONYMS

<b>Acre-foot</b>	Volume of water needed to cover 1 acre to a depth of 1 foot. It equals 325,851 gallons.
<b>Actual</b>	The final revenue and expenditure results of operations for a fiscal year.
<b>AD</b>	Acronym for Assistant Deputy
<b>Aeration</b>	The process that forces compressed air into wastewater.
<b>Allocation</b>	The apportioning of the common costs of service.
<b>AM</b>	Acronym for Administrative Memo
<b>BDL</b>	Acronym for Bois d'Arc Lake
<b>Biosolids</b>	Sludge that has been treated to reduce pathogens, organics and odors, forming a reusable agricultural product.
<b>BMP</b>	Acronym for Best Management Practice
<b>BNR</b>	Acronym for Biological Nutrient Removal
<b>Board of Directors</b>	The 13 Member Cities appoint members to the North Texas Municipal Water District Board of Directors, the governing body of the District. Cities with a population greater than 5,000 appoint two members to the Board. Cities with populations less than 5,000 appoint one member to the Board. Each director serves a two-year term.
<b>Bond</b>	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).
<b>Budget</b>	A financial plan that consists of proposed expenditures for a fiscal year and proposed revenues for the same period needed to provide services. The plan contains rate and fee resolutions for various anticipated revenue sources that finance the projected expenses of various funds.
<b>CA</b>	Acronym for Consent Agenda
<b>Capital Improvement Plan (CIP)</b>	A long-range plan of the District for construction, rehabilitation and improvement of District-owned and operated infrastructure and facilities.
<b>Capital Outlay</b>	The purchase of an individual item(s) with a useful life of two or more years, such as land, buildings, vehicle equipment, office equipment, machinery, or other equipment, and which cost more than \$5,000.
<b>CAVS</b>	Acronym for Combination Air Release Valves
<b>CCR</b>	Acronym for Consumer Confidence Report - NTMWD's annual water quality report
<b>CMMS</b>	Acronym for Computerized Maintenance Management System
<b>CMOM</b>	Acronym for Capacity, Management, Operations and Maintenance
<b>Contingency</b>	A budgetary reserve set aside for emergencies or unforeseen expenditures not otherwise budgeted.
<b>Dam</b>	A barrier constructed for the permanent or temporary impounding of water.
<b>Debt Service</b>	The payment of principal and interest on debt.
<b>Deputy Director (DD)</b>	Deputy Directors are responsible for leading the major divisions of the District.
<b>EAR</b>	Acronym for Engineering Activity Report
<b>Effluent</b>	End product of the wastewater treatment process.
<b>EPA</b>	Acronym for Environmental Protection Agency
<b>ERMS</b>	Acronym for Electronic Records Management System
<b>Executive Director (ED)</b>	The District's Executive Director is responsible for leading all aspects of the NTMWD's operations, management, planning and services.

<b>FASB</b>	Acronym for Financial Accounting Standards Board
<b>Fiscal Year (FY)</b>	The District's fiscal year begins October 1st and ends September 30th.
<b>Force Main</b>	A pipe that carries wastewater under pressure from the discharge side of a pump to a point of gravity flow downstream.
<b>FTE</b>	Acronym for full-time equivalent, a measurement of staffing. One FTE is a 40-hour week position that is eligible for full benefits.
<b>Fund</b>	An accounting entity with a set of self-balancing accounts for recording the financial resources and transactions of specific activities for an organization.
<b>GAAP</b>	Acronym for Generally Accepted Accounting Principles
<b>GASB</b>	Acronym for Governmental Accounting Standards Board
<b>GFOA</b>	Acronym for Government Finance Officers Association
<b>GIS</b>	Acronym for Geographic Information Systems - A computerized mapping system that captures, stores, analyzes, manages and presents data that is linked to a location.
<b>GTOT</b>	Acronym for Government Treasurers' Organization of Texas
<b>GTUA</b>	Acronym for Greater Texoma Utility Authority
<b>HSPS</b>	Acronym for High Service Pump Station
<b>Infrastructure</b>	Physical means for meeting water and wastewater needs, such as dams, wells, conveyance systems and water or wastewater treatment plants.
<b>Interceptor</b>	Large pipes that receive wastewater from collection systems and transport it to wastewater treatment plants.
<b>Lift Station (LS) (or Pump Station)</b>	A wastewater pumping station designed to "lift" the wastewater to a higher elevation. A lift station normally employs pumps or other mechanical devices to pump the wastewater and discharges into a pressure pipe called a force main.
<b>MG</b>	Acronym for million gallon
<b>MGD</b>	Acronym for million gallons per day
<b>Mitigation</b>	The restoration (re-establishment or rehabilitation), establishment, enhancement and/or in certain circumstances preservation of aquatic resources for the purpose of offsetting unavoidable adverse impacts which remain after all appropriate and practicable avoidance and minimization has been achieved.
<b>Mitigation Area</b>	The portion of a site, right-of-way, or piece of property upon which mitigation is proposed or performed.
<b>NACWA</b>	Acronym for National Association of Clean Water Agencies
<b>NELAC(TNI)</b>	Acronym for National Environmental Accreditation Conference
<b>NELAP</b>	Acronym for National Environmental Laboratory Accreditation Program
<b>NTMWD</b>	Acronym for North Texas Municipal Water District
<b>O&amp;M</b>	Acronym for Operations & Maintenance - relates to the District's day to day operations
<b>PFIA</b>	Acronym for Public Funds Investment Act
<b>Potable Water</b>	Water that is safe for human consumption.
<b>Raw Water</b>	Water obtained from natural resources such as reservoirs.
<b>RDF</b>	Acronym for Regional Disposal Facility
<b>Refunding Bonds</b>	Bonds issued to retire already outstanding bonds.
<b>Reservoir</b>	A structure or impoundment for physically storing raw water.
<b>Revenue Bonds</b>	Bond in which revenue to pay back the bond and interest comes from the project that the borrowed money was used to create or improve.
<b>Right of Way (ROW)</b>	The legal right of passage over another person's property.
<b>RSWS</b>	Acronym for Regional Solid Waste System



<b>RWRRF</b>	Acronym for Regional Water Resource Recovery Facility
<b>RWS</b>	Acronym for Regional Water System
<b>RWWS</b>	Acronym for Regional Wastewater System
<b>RWWTP</b>	Acronym for Regional Wastewater Treatment Plant
<b>SCADA</b>	Acronym for Supervisory Control and Data Acquisition – The hardware and software system that collects real time data from sensors at remote locations and sends the data to a centralized computer where operating personnel can control equipment or conditions.
<b>SDWA</b>	Acronym for Safe Drinking Water Act - The federal law that protects public drinking water supplies throughout the nation.
<b>Sludge</b>	Solid, semi-solid or liquid by-product of wastewater treatment.
<b>SOP</b>	Acronym for Standard Operating Procedures
<b>Sanitary Sewer Overflow (SSO)</b>	An unauthorized discharge of untreated or partially treated wastewater from a collection system or its components before reaching a treatment facility.
<b>SUD</b>	Acronym for Special Utility District
<b>SWIFT</b>	Acronym for State Water Implementation Fund for Texas
<b>TCEQ</b>	Acronym for Texas Commission on Environmental Quality
<b>TWCA</b>	Acronym for Texas Water Conservation Association
<b>TWDB</b>	Acronym for Texas Water Development Board
<b>TS</b>	Acronym for Transfer Station
<b>Treated Water</b>	Raw water that has passed the purification process.
<b>UEFIS</b>	Acronym for Upper East Fork Interceptor System
<b>UTRWD</b>	Acronym for Upper Trinity Regional Water District
<b>Water Conservation</b>	Refers to reducing the use of water and reducing the waste of water through various methods ranging from more efficient practices in farm, home and industry to capturing water for use through water storage or conservation projects. Conservation could include practices that encourage consumers to reduce the use of water.
<b>Water Contract</b>	A contract between two parties for the supply of raw or potable water. The contract will have specific terms in relation to payment and expiration dates.
<b>Water Demand</b>	The quantity of water projected to meet the overall necessities of a water user group in a specific future year.
<b>Water Rights</b>	Legally protected right to take possession of water occurring in a water supply and to guide the water for beneficial use.
<b>Water Storage Facility (WSF)</b>	A tank for storing water.
<b>Water Supply</b>	A supply of water; specifically, water collected, as in reservoirs, and conveyed, as by pipes, for the use in a city, mill, or the like.
<b>Water Use</b>	The quantity of raw water supplied to or pumped by an individual water user.
<b>Watershed</b>	An area from which water drains to the nearest stream or lake.
<b>WDF</b>	Acronym for Water Distribution Facility
<b>WTF</b>	Acronym for Water Transmission Facility
<b>WTP</b>	Acronym for Water Treatment Plant - A facility that treats and produces potable water for public consumption.
<b>WWTP</b>	Acronym for Wastewater Treatment Plant - A facility used in the conveyance, storage, treatment, reclamation and disposal of wastewater.

**2021-22**  
**BOIS D'ARC LAKE FEE SCHEDULE**

## BOIS D'ARC LAKE FEE SCHEDULE

Agreement Type	Activity/Facility	Application Fee (\$)	Annual Fee	Incentives/Additional Information
Shoreline Lease and Use Agreement	Dock	Application/First Year: \$750	\$325 for years 2 through 5 of a 5-year agreement	All shoreline use activities/facilities will be combined on one permit. Only the higher fee identified will be assessed.  If erosion control or stormwater runoff treatment BMPs are provided supplementary to any required erosion control; an incentive reduction of 50 percent of the annual fee may be applied.
Shoreline Lease and Use Agreement	Vegetation Modification	\$500	N/A	
Shoreline Lease and Use Agreement	Other (access paths, non-bioengineered structures for erosion control, land-based facilities, etc.)	\$500	N/A	
Shoreline Lease and Use Agreement	Modification Fee	50-100 percent of the original application fee	N/A	
Shoreline Lease and Use Agreement	Renewal Fee	50 percent of the original application fee	See Note	The \$100 annual fee for an agreement for a dock is applied to each subsequent 5-year agreement.
Shoreline Lease and Use Agreement	Appeal or Revocation Agreement	\$250	N/A	
Shoreline Lease and Use Agreement	Appeal or Denial of Agreement Conditions	\$100	N/A	
Shoreline Lease and Use Agreement	Standing timber removal below 534 MSL contour (not to exceed 0.5 acres)	\$250	N/A	Not to exceed 0.5 acres of standing timber below the 534 MSL contour. (ONLY issued in conjunction with a Shoreline Use Agreement for a Dock and with necessary approvals from NTMWD and USACE; \$250 fee is in addition to the agreement fees for a dock.)
Special Event/Temporary Use Agreement	25+ persons or vessels involved in an event	\$150	N/A	Short term uses that do not involve construction or installation of permanent facilities.
Natural Resource Management Notification	Hazard tree removal	\$0	N/A	
Natural Resource Management Notification	Planting/restoring native vegetation	\$0	N/A	Environmentally sustainable activities
Natural Resource Management Notification	Invasive/noxious weed removal/control	\$0	N/A	May include the use of herbicides to control noxious/invasive plants.
Legal Non-Conforming Use Authorization	Non-conforming use	\$0	N/A	No fee will be assessed for any Grandfathered Activities/Facilities included in land sale agreements.
Mobility Assistance Vehicle Agreement	Allows for 6-foot-wide path and use of approved motorized vehicle	\$25	N/A	

## BOIS D'ARC LAKE REMEDIES AND PENALTIES FOR VIOLATIONS FEE SCHEDULE

Violation	Violation Category	Remedy	Resolution Timeframe (Days) First Notice	Resolution Timeframe (Days) Second Notice	Fine First Notice	Fine Second and Third Notices
Unauthorized Burning	Major	Immediately stop unauthorized burning and remove debris from NTMWD-owned property	1	N/A	\$200	N/A
Storage or placement of fuel, oil, treated landscape timbers, pesticides, or other hazardous materials on docks or NTMWD-owned property	Major	Remove hazardous materials from NTMWD-owned property and store in secure location on private property	5	3	N/A	\$200
Unauthorized use of pesticides/fertilizers on leased property	Major	Stop unauthorized use of pesticides and report changes in water quality (e.g., algal blooms and/or dead fish) to NTMWD	1	N/A	\$200	N/A
Unauthorized placement or storage of personal property on NTMWD-owned property and/or water	Major	Remove personal property from NTMWD-owned property and store in a secure location on private property	5	3	N/A	\$200
Unauthorized use of private overwater facility (e.g., human habitation on boat dock, storing nonauthorized vessels or watercraft at an approved boat dock, subletting boat dock)	Major	Stop unauthorized use and restore facility to post-violation conditions (e.g., remove evidence of human habitation from boat dock)	15	10	\$200	\$200
Unauthorized dock structure or dock modification	Major	Stop construction (if applicable) and restore facility to pre-violation conditions	15	10	\$200	\$200

**BOIS D'ARC LAKE REMEDIES AND PENALTIES FOR VIOLATIONS FEE SCHEDULE (continued)**

<b>Violation</b>	<b>Violation Category</b>	<b>Remedy</b>	<b>Resolution Timeframe (Days) First Notice</b>	<b>Resolution Timeframe (Days) Second Notice</b>	<b>Fine First Notice</b>	<b>Fine Second and Third Notices</b>
Unauthorized vegetation modification (e.g., removing vegetation outside of an authorized area, changing landform, planting unauthorized plants)	Major	Stop violation and restore to pre-violation conditions (e.g., replant with authorized native plant species)	30	15	\$200	\$200
Deviation from approved dock construction plans (e.g., construction materials, anchoring methods, etc.)	Major	Reconstruct dock to conform to approved construction plans	30	15	N/A	\$200
Unauthorized access path construction	Major	Stop construction and restore area to pre-violation conditions	15	10	\$200	\$200
Emerging erosion issues (signs may include shoreline recession, increased water turbidity and discoloration in the surrounding area, bare soil, exposed plant roots, and unstable banks)	Major	Stop erosion producing activity and install erosion control devices and/or plant native vegetation	30	15	\$200	\$200
Unauthorized use of a mobility assistance vehicle	Major	Stop unauthorized use, restore area to pre-violation conditions (if applicable)	15	10	N/A	\$200
Failure to delineate the NTMWD boundary line	Moderate	Delineate and mark the NTMWD boundary line using methods approved in the Shoreline Management Plan	15	10	N/A	\$200
Failure to restore the leased area after completion of a permitted activity or after the lessee damages the area	Moderate	Restore area to pre-lease conditions (e.g., restore vegetation, install erosion control measures such as water bars and vegetated swales)	30	15	N/A	\$200/week

**BOIS D'ARC LAKE REMEDIES AND PENALTIES FOR VIOLATIONS FEE SCHEDULE (continued)**

<b>Violation</b>	<b>Violation Category</b>	<b>Remedy</b>	<b>Resolution Timeframe (Days) First Notice</b>	<b>Resolution Timeframe (Days) Second Notice</b>	<b>Fine First Notice</b>	<b>Fine Second and Third Notices</b>
Failure of new adjacent landowner to apply for shoreline use agreement for existing uses within 30 days or to restore the use area within 60 days from the date of ownership transfer	Moderate	Apply for a new shoreline lease and use agreement or restore the use area	30	15	N/A	\$200/week
Failure to display agreement tags on authorized facilities	Minor	Display agreement tags according to agreement conditions and Shoreline Management Plan requirements	30	15	N/A	\$50/week
Failure to have a copy of the agreement with the mobility assistance vehicle during use on NTMWD-owned property	Minor	Carry agreement according to authorization conditions	1	1	N/A	\$50
Failure to pay agreement fees	Minor	Pay outstanding agreement fee	30	15	N/A	\$50/week
Failure to renew an agreement	Minor	Apply for a new agreement and pay associated application fees	30	15	N/A	\$50/week
Failure to complete construction within allowed time limit	Minor	Apply for new agreement and pay associated application fees	30	15	N/A	\$50/week
Noncompliance with applicable laws, ordinances and regulations	N/A	NTMWD reports violations to the appropriate authority for enforcement	Depends on law/regulation	Depends on law/regulation	Depends on law/regulation	Depends on law/regulation

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**2021-22**  
**BUDGET RESOLUTION**

NORTH TEXAS MUNICIPAL WATER DISTRICT

RESOLUTION NO. 21 - 48

A RESOLUTION APPROVING APPROPRIATIONS FOR THE 2021-22 ALL SYSTEMS ANNUAL BUDGET, AMENDING THE 2020-21 ANNUAL BUDGET AND PROVIDING RATES AND CHARGES FOR SYSTEM SERVICES OF THE NORTH TEXAS MUNICIPAL WATER DISTRICT

WHEREAS, State Law and contracts between the North Texas Municipal Water District and the municipalities served require the adoption of an Annual Budget appropriating funds for the operation, maintenance and debt service requirements for each of the District Systems; and

WHEREAS, it is necessary to establish rates and charges to meet the financial requirements for each of the District Systems in accordance with contractual agreements; and

WHEREAS, the Executive Director/General Manager has prepared the Annual Budget and has determined that the charges for services as proposed will meet the overall financial requirements for each of the District Systems.

NOW, THEREFORE BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE NORTH TEXAS MUNICIPAL WATER DISTRICT THAT THE 2021-22 ALL SYSTEMS ANNUAL BUDGET BE APPROVED AS SUBMITTED BY THE EXECUTIVE DIRECTOR FOR THE FISCAL YEAR OCTOBER 1, 2021 THROUGH SEPTEMBER 30, 2022. FURTHER, THE RATES AND CHARGES FOR SERVICES ARE HEREBY APPROVED IN ACCORDANCE WITH THE FOLLOWING APPROPRIATIONS, CHARGES AND SPECIAL DETAILS.

SECTION A - APPROPRIATIONS

1. The major budgetary control shall be the expenditure summary sheet of each Function in the 2021-22 Annual All Systems Budget document and the Executive Director shall have the authority to transfer funds between accounts but shall require the express approval of the Board of Directors by budget amendment to exceed funding for any Fund. Following are system control details:

	2020-21 Amended Budget	2021-22 Budget
<u>By System:</u>		
Regional Water System	\$ 378,244,175	\$ 369,517,555
Regional Wastewater System	86,010,380	88,100,745
Upper East Fork Interceptor System	41,550,000	43,722,855
Sewer System	46,340,245	49,650,785
Regional Solid Waste System	38,650,675	38,677,405
Total	<u>\$ 590,795,475</u>	<u>\$ 589,669,345</u>

	2020-21 Amended Budget	2021-22 Budget
<u>By Character:</u>		
Personnel	\$ 89,998,850	\$ 99,546,135
Supplies	70,572,685	82,442,935
Services	119,500,325	88,685,475
Capital Outlay	13,319,170	14,033,275
Escrow	3,242,750	5,082,255
Capital Improvement	36,622,900	15,297,900
Debt Service	257,538,795	284,581,370
Total	<u>\$ 590,795,475</u>	<u>\$ 589,669,345</u>

2. The Amended Budget, as set forth in the 2021-22 All Systems Annual Budget Document, shall be approved as the authorized Amended Budget for the 2020-21 Fiscal Year and the Proposed Budget, as set forth in the 2021-22 All Systems Annual Budget Document, shall be approved as the authorized Budget for the 2021-22 Fiscal Year.

3. The Salary Plan for 2020-21 was amended to include a 2% increase for all employees to be paid from salary savings. The Salary Plan as set forth in the 2021-22 All Systems Annual Budget Document shall be applicable to all District employees, including the Executive Director and the Deputy Directors, and salaries shall be paid during the 2021-22 Fiscal Year in biweekly payments (every two weeks).

4. All District employees that are classified at the Maximum on the Salary Plan shall be considered for a one-time merit payment with an average of 5% of their current annual salary.

5. The salary for the Executive Director and the Deputy Directors shall be payable in increments of the regular payroll of the District in annual amounts for the Executive Director of \$\_\_\_\_\_, the Deputy Director (Solid Waste & Integrated Services) of \$\_\_\_\_\_, the Deputy Director (Engineering & CIP) of \$\_\_\_\_\_, the Deputy Director (Water & Wastewater) of \$\_\_\_\_\_, and for the Deputy Director (Administrative Services) of \$\_\_\_\_\_.

6. The District shall fund the Deferred Compensation accounts for the Executive Director and the Deputy Directors in annual amounts for the Executive Director of \$\_\_\_\_\_, the Deputy Director (Solid Waste & Integrated Services) of \$\_\_\_\_\_, the Deputy Director (Engineering & CIP) of \$\_\_\_\_\_, the Deputy Director (Water & Wastewater) of \$\_\_\_\_\_, and for the Deputy Director (Administrative Services) of \$\_\_\_\_\_.

## SECTION B - CHARGES FOR SERVICE

### **1. The following minimum annual demands and water rates shall be applicable during the 2021-22 Fiscal Year.**

#### WHOLESALE TREATED WATER RATES

Entity	Minimum Annual Demand 1,000 gallons	Water Rate per 1,000 gallons	Minimum Annual Charge	Excess Water Rate per 1,000 gallons
<b>Members:</b>				
Allen	6,002,360	\$ 2.99	\$ 17,947,056.40	\$0.60
Farmersville	279,486	2.99	835,663.14	0.60
Forney	2,398,194	2.99	7,170,600.06	0.60
Frisco	12,194,343	2.99	36,461,085.57	0.60
Garland	13,674,674	2.99	40,887,275.26	0.60
McKinney	11,935,830	2.99	35,688,131.70	0.60
Mesquite	8,254,231	2.99	24,680,150.69	0.60
Plano	26,600,916	2.99	79,536,738.84	0.60
Princeton	751,294	2.99	2,246,369.06	0.60
Richardson	10,968,729	2.99	32,796,499.71	0.60
Rockwall	4,188,942	2.99	12,524,936.58	0.60
Royse City	659,940	2.99	1,973,220.60	0.60
Wylie	1,873,784	2.99	5,602,614.16	0.60
Total Members	99,782,723		\$ 298,350,341.77	
<b>Customers:</b>				
Ables Springs SUD	96,663	\$ 3.04	\$ 293,855.52	c
Bear Creek SUD	282,984	3.04	860,271.36	c
BHP WSC	153,853	3.04	467,713.12	c
Bonham	640,000	2.99 a	1,913,600.00	b
Caddo Basin SUD	422,370	3.04	1,284,004.80	\$0.65
Cash SUD	321,630	3.04	977,755.20	c
College Mound SUD	78,066	3.04	237,320.64	\$0.65
Copeville SUD	134,140	3.04	407,785.60	\$0.65
East Fork SUD	592,816	3.04	1,802,160.64	\$0.65
Fairview	887,811	3.04	2,698,945.44	c
Fate	279,932	3.04	850,993.28	\$0.65
Fate Second Delivery Point	529,453	3.04	1,609,537.12	b
Forney Lake WSC	458,582	3.04	1,394,089.28	c
Gastonia Scurry SUD	110,490	3.04	335,889.60	c

# WHOLESALE TREATED WATER RATES (continued)

Entity	Minimum Annual Demand 1,000 gallons	Water Rate per 1,000 gallons	Minimum Annual Charge	Excess Water Rate per 1,000 gallons
GTUA	903,869	\$ 3.04	\$ 2,747,761.76	c
Josephine	139,721	3.04	424,751.84	\$0.65
Kaufman	459,989	3.04	1,398,366.56	c
Kaufman Four-One	555,695	3.04	1,689,312.80	\$0.65
Little Elm	1,559,763	3.04	4,741,679.52	b
Lucas	628,590	3.04	1,910,913.60	\$0.65
Melissa	285,850	3.04	868,984.00	\$0.65
Milligan WSC	149,894	3.04	455,677.76	b
Mt. Zion WSC	159,302	3.04	484,278.08	\$0.65
Murphy	1,538,414	3.04	4,676,778.56	\$0.65
Nevada SUD	53,260	3.04	161,910.40	\$0.65
Nevada SUD Second Delivery Point	70,985	3.04	215,794.40	b
North Collin SUD	346,239	3.04	1,052,566.56	c
Parker	582,746	3.04	1,771,547.84	\$0.65
Prosper	2,354,364	3.04	7,157,266.56	c
Rose Hill SUD	143,271	3.04	435,543.84	c
Rowlett	3,192,039	3.04	9,703,798.56	b
Sachse	1,332,153	3.04	4,049,745.12	\$0.65
Seis Lagos MUD	141,612	3.04	430,500.48	\$0.65
Sunnyvale	732,206	3.04	2,225,906.24	b
Terrell	1,400,000	3.04	4,256,000.00	b
Wylie N.E. SUD	307,630	3.04	935,195.20	c
Wylie N.E. SUD Second Delivery Point	95,028	3.04	288,885.12	c
Total Customers	22,121,410		\$ 67,217,086.40	
Total	121,904,133		\$ 365,567,428.17	

a Pays Member Rate.

b Excess Water Rate Subject to Contract Minimums.

c Water consumed over Minimum Annual Demand shall be charged at a rate of \$3.04 / 1,000 gallons.

## RETAIL TREATED WATER RATES - RESIDENTIAL

Minimum - First 2,000 Gallons	\$15.00
From 2,000 to 10,000 Gallons	\$6.08 per 1,000 Gallons
From 10,000 to 20,000 Gallons	\$7.96 per 1,000 Gallons
Above 20,000 Gallons	\$9.94 per 1,000 Gallons
Reconnect Fees	\$30.00

## RETAIL TREATED WATER RATES - COMMERCIAL

From 0 to 10,000 Gallons	\$6.36 per 1,000 Gallons
Above 10,000 Gallons	\$7.96 per 1,000 Gallons
Reconnect Fees	\$30.00

## NON-POTABLE WATER RATE

East Fork Raw Water Project	\$ .77 per 1,000 Gallons
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**2. The following charges, taken from the adopted Bois D’Arc Lake Shore Management Plan, shall be applicable during the 2021-22 Fiscal Year.**

BOIS D’ARC LAKE FEES

SHORELINE LEASE AND USE AGREEMENT

Activity / Facility	Applicaton Fee	Annual Fee
		\$325 for years 2 through 5 of a 5-year agreement
Dock	Application First Year: \$750	
Vegetation Modification	\$500	N/A
Other (access paths, non-bioengineered structures for erosion control, land-based facilities, etc.)	\$500	N/A
Modification Fee	50-100% of the original application fee	N/A
Renewal Fee	50-100% of the original application fee	N/A
Appeal or Revocation Agreement	\$250	N/A
Appeal or Denial of Agreement Conditions	100	N/A
Standing timber removal below 534 MSL contour (not to exceed 0.5 acres)	\$250	N/A

SPECIAL EVENT / TEMPORARY USE AGREEMENT

25+ persons or vessels involved in an event	\$150	N/A
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NATURAL RESOURCE MANAGEMENT NOTIFICATION

Hazard tree removal	\$0	N/A
Planting/restoring native vegetation	\$0	N/A
Invasive/noxious weed removal/control	\$0	N/A

LEGAL NON-CONFORMING USE AUTHORIZATION

Non-conforming use	\$0	N/A
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MOBILITY ASSISTANT VEHICLE AGREEMENT

Allows for 6-foot-wide path and use of approved motorized vehicle	\$25	N/A
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## BOIS D'ARC LAKE PENALTIES FOR VIOLATIONS

<u>Violation</u>	<u>Category</u>	<u>Fine - First Notice</u>	<u>Fine - Second/Third Notice</u>
Unauthorized Burning	Major	\$200	N/A
Storage or placement of fuel, oil, treated landscape timbers, pesticides, or other hazardous materials on docks or NTMWD-owned property	Major	N/A	\$200
Unauthorized use of pesticides/fertilizers on leased property	Major	\$200	N/A
Unauthorized placement or storage of personal property on NTMWD-owned property and/or water	Major	N/A	\$200
Unauthorized use of private overwater facility (e.g., human habitation on boat dock, storing nonauthorized vessels or watercraft at an approved boat dock, subletting boat dock)	Major	\$200	\$200
Unauthorized dock structure or dock modification	Major	\$200	\$200
Unauthorized vegetation modification (e.g., removing vegetation outside of an authorized area, changing landform, planting unauthorized plants)	Major	\$200	\$200
Deviation from approved dock construction plans (e.g., construction materials, anchoring methods, etc.)	Major	N/A	\$200
Unauthorized access path construction	Major	\$200	\$200
Emerging erosion issues (signs may include shoreline recession, increased water turbidity and discoloration in the surrounding area, bare soil, exposed plant roots and unstable banks)	Major	\$200	\$200
Unauthorized use of a mobility assistance vehicle	Major	N/A	\$200
Failure to delineate the NTMWD boundary line	Moderate	N/A	\$200
Failure to restore the leased area after completion of a permitted activity or after the lessee damages the area	Moderate	N/A	\$200/week
Failure of new adjacent landowner to apply for shoreline use agreement for existing uses within 30 days or to restore the use area within 60 days from the date of ownership transfer	Moderate	N/A	\$200/week
Failure to display agreement tags on authorized facilities	Minor	N/A	\$50/week
Failure to have a copy of the agreement with the mobility assistance vehicle during use on NTMWD-owned property	Minor	N/A	\$50
Failure to pay agreement fees	Minor	N/A	\$50/week
Failure to renew an agreement	Minor	N/A	\$50/week
Failure to complete construction within allowed time limit	Minor	N/A	\$50/week
Non-compliance with applicable laws, ordinances, and regulations	N/A	Depends on law/regulation	Depends on law/regulation

**3. The following non-member city customer charges at District landfills and transfer stations shall be applicable during the 2021-22 Fiscal Year.**

121 REGIONAL DISPOSAL FACILITY CHARGES

- I. All Vehicles - \$42.00 per Ton, One Ton Minimum
- II. Additional charge above the basic vehicle charge:
  - For loads containing roofing shingles - \$150.00
  - For tires based on wheel size:
    - \$5.00 per tire up to 24.5" diameter
    - \$20.00 per farm tractor or motor grader tire
    - No loader or scraper tires accepted
- III. The Executive Director may prepare a schedule of charges to be used when weights are not practical to obtain.
- IV. There shall be a charge to District operated wastewater plants for disposal of federal and state approved sludge materials equivalent to \$24.97 per actual ton.
- V. Pull-off Fee (non-refundable) - \$25.00 (plus sales tax, if applicable)
- VI. The Executive Director may prepare a schedule of charges, subject to approval of the Board of Directors, for special projects.

CUSTER ROAD, PARKWAY AND LOOKOUT DRIVE TRANSFER STATION CHARGES

- I. All Vehicles - \$58.00 per Ton (plus sales tax), One Ton Minimum
- II. Member City residents delivering construction and demolition debris waste (0.5 tons and less) - \$25.00 (plus sales tax)
- III. Additional charge above the basic vehicle charge for loads containing roofing shingles - \$150.00 (plus sales tax)
- IV. The Executive Director may prepare a schedule of charges to be used when weights are not practical to obtain.
- V. Pull-off Fee (non-refundable) - \$25.00 (plus sales tax, if applicable)

3. Charges shall be levied on the basis of monthly increments to provide the necessary funds to meet the appropriations for the Regional Wastewater System, Regional Solid Waste System, Upper East Fork Interceptor System and each of the Funds in the Sewer Systems in accordance with the appropriate contracts for service. Actual charges shall be determined after the end of the fiscal year and the appropriate debit or credit allowed.

4. Special debt service shall be allocated to the City of Sulphur Springs in the amount of \$600 in the Water System.

THIS RESOLUTION ADOPTED BY THE NTMWD BOARD OF DIRECTORS IN A REGULAR MEETING ON SEPTEMBER 23, 2021, IN THE ADMINISTRATIVE OFFICES OF THE NTMWD.



121 Regional Disposal Facility - Odor Control Circle

