



NORTH  
TEXAS  
MUNICIPAL  
WATER  
DISTRICT

# 2020-2021 ANNUAL BUDGET



WATER  
SERVICES



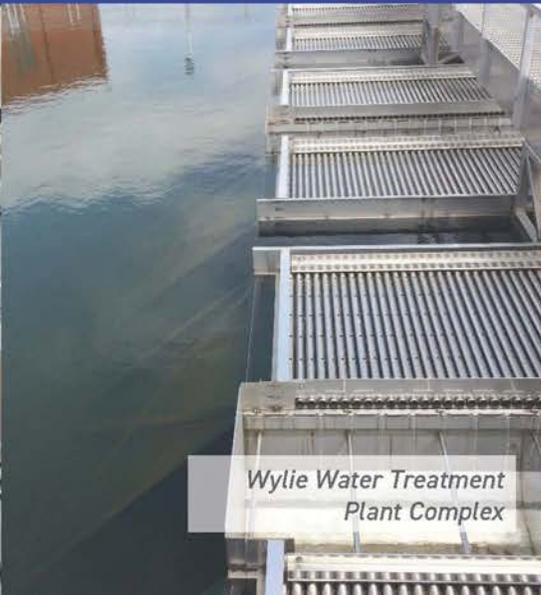
WASTEWATER  
SERVICES



SOLID WASTE  
SERVICES



Rowlett Creek Regional  
Wastewater Treatment Plant



Wylie Water Treatment  
Plant Complex



Trinity River Main Stem  
Pump Station

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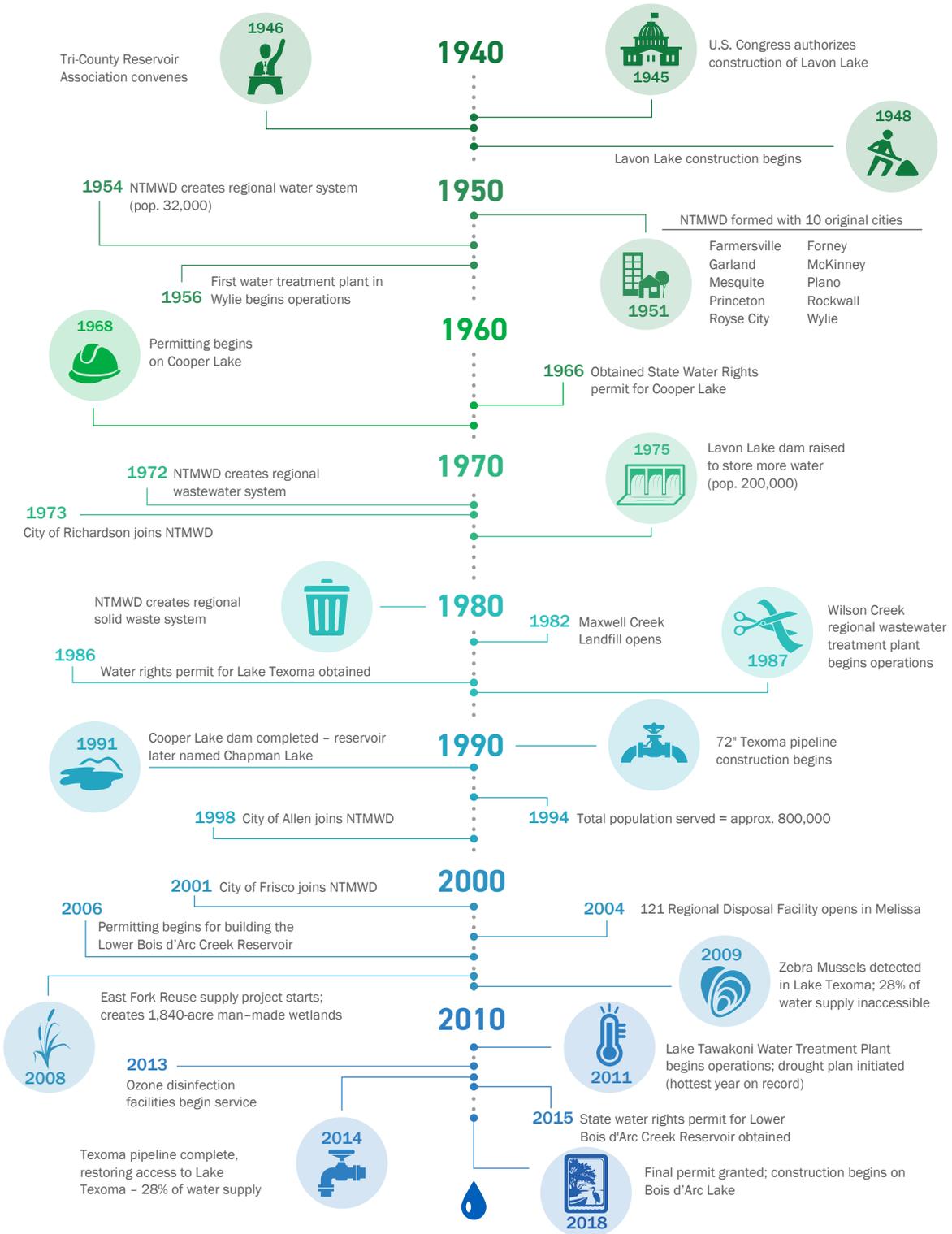
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# INTRODUCTION



# LEGACY OF SERVICE

Meeting Our Region's Needs Today and Tomorrow





*Regional. Reliable. Everyday.*

September 24, 2020

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

RE: FY21 ALL SYSTEMS BUDGET

Dear Directors:

Submitted herewith is the proposed FY21 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 Interim Executive Director.

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.

Beginning in early 2020, the Covid-19 pandemic began to affect the North Texas region. As it became apparent that the pandemic would present serious economic challenges for our Member Cities and Customers, the District revised budget guidance in an effort to reduce spending in FY20 and FY21. The revised guidelines plan for a flat growth budget in FY21 with limited exceptions related to new or expanded facilities. In order to meet the revised guidelines, the following items were considered: only budgeting for items to meet our most essential service levels and growth projections, limiting travel and training unless it is a job requirement, only filling critical vacancies, repurposing vacant positions, partially funding new positions, no or minimal pay increases for existing staff, minimally funding escrow and contingency funds and other considerations where possible. Through FY20 budget savings, the District was able to propose funding a one-time payment to all employees in recognition of the hard work being done to continue reliable operations and essential services throughout the pandemic.

#### **RECOMMENDATION**

The FY21 Annual All Systems Budget, as proposed, of \$570,156,040 provides a responsible plan for the financial operations and development of the North Texas Municipal Water District. The Interim Executive Director and Staff recommend it, to the Board of Directors for approval at the September 24, 2020, 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,

*Rodney Rhoades*  
Rodney.Rhoades@ntmwd.com | Sep 10, 2020 12:08 CDT

RODNEY RHOADES  
Interim Executive Director

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

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GOVERNMENT FINANCE OFFICERS ASSOCIATION

*Distinguished  
Budget Presentation  
Award*

PRESENTED TO

**North Texas Municipal Water District  
Texas**

For the Fiscal Year Beginning

**October 1, 2019**

*Christopher P. Morill*

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, 2019**. 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 covers 2,200 square miles over 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 15% and the growth is expected to continue. White (not Hispanic) makes up the largest population by race at 49.4% for the Metroplex while Hispanic makes up the second largest population by race at nearly 27.7%. Black (not Hispanic) (14.6%) and Other (8.3%) 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 34.2 years.

## Education

The Metroplex's high school graduation rate is near 89%, which is on par with the state. Nearly 33% 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 7.5% as of July 2020.

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 41% of the Metroplex households have incomes less than \$50,000 compared to about 46% 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, retail, data processing, education and healthcare. Some of the largest employers in the area include Toyota, Liberty Mutual, Electronic Data Systems (EDS), JCPenney, Raytheon, Perot Systems, Alcatel, AT&T, Inc. and Country Wide Home Loans. 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.

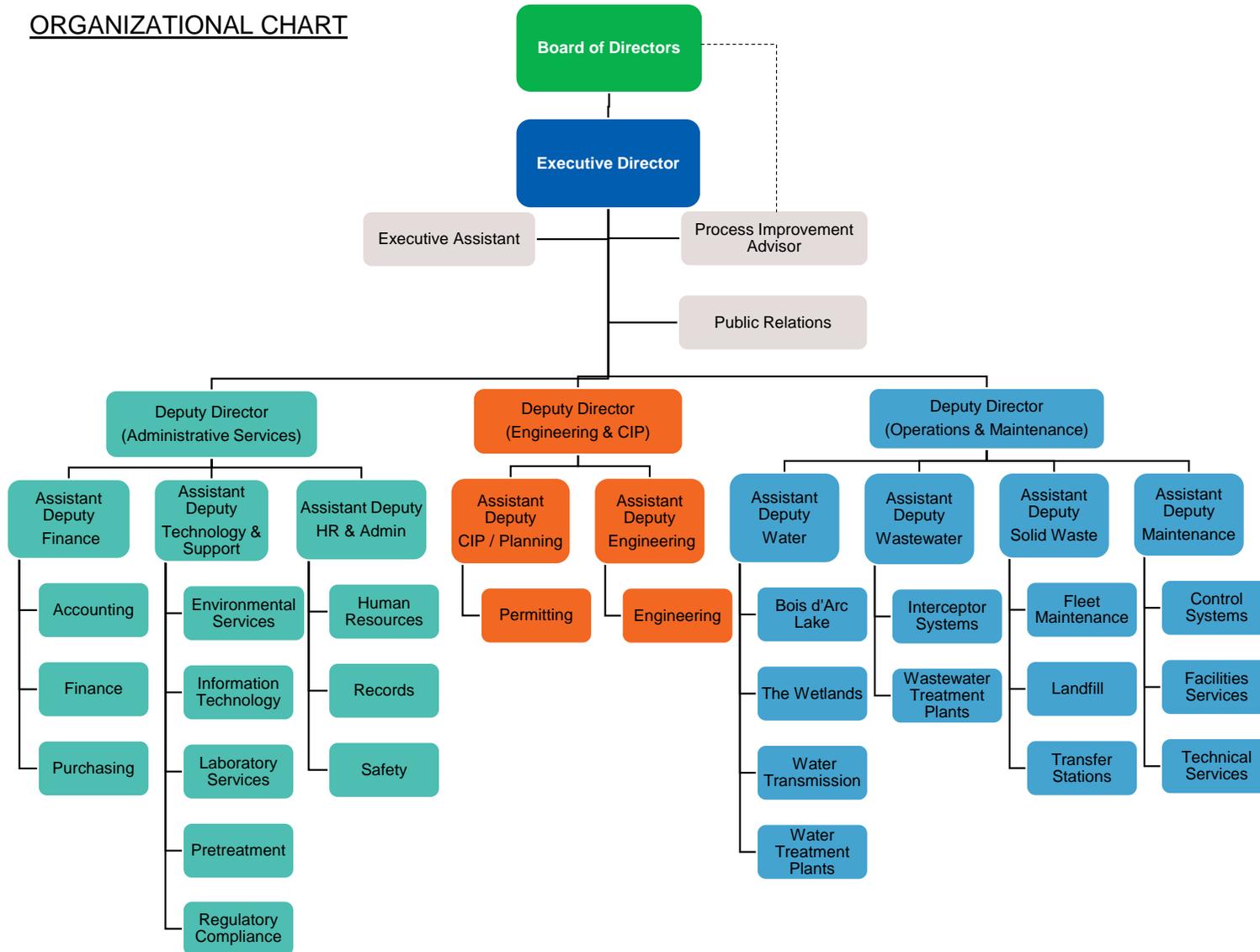


# NTMWD SERVICE AREA AND MEMBER CITIES

*Regional. Reliable. Everyday.*



ORGANIZATIONAL CHART



### North Texas Municipal Water District Board of Directors



## Listing of Key Staff

Executive Director	(Interim) Rodney Rhoades
Deputy Director - Engineering & Capital Improvement Program (CIP)	Cesar Baptista
Assistant Deputy – CIP & Planning	R. J. Muraski
Assistant Deputy – Engineering	Mark Simon
Deputy Director - Operations & Maintenance (O&M)	Mike Rickman
Assistant Deputy – Maintenance	Dave Patton
Assistant Deputy – Solid Waste	Jeff Mayfield
Assistant Deputy – Wastewater	Jenna Covington
Assistant Deputy – Water	Billy George
Deputy Director - Administrative Services	Rodney Rhoades
Assistant Deputy – Finance	Erik Felthous
Assistant Deputy – HR & Administration	John Montgomery
Assistant Deputy – Technology & Support	Jim Shirley

# 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.

Goals	Objectives	Initiatives
<p><b>Goal 1: Service</b> Provide superior water, wastewater and solid waste services today and tomorrow</p>	<p><b>Objective 1.1</b> High Quality Services</p>	<p>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</p>
	<p><b>Objective 1.2</b> Successful Bois d’Arc Lake Program</p>	<p>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</p>
	<p><b>Objective 1.3</b> Proactive Maintenance Management</p>	<p>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.</p>
	<p><b>Objective 1.4</b> Reliable and Resilient System Capacity</p>	<p>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</p>
<p><b>Goal 2: Stewardship</b> Responsibly manage public resources to ensure responsiveness, effectiveness and efficiency</p>	<p><b>Objective 2.1</b> Disciplined Asset Management</p>	<p>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</p>
	<p><b>Objective 2.2</b> Efficient Business Practices</p>	<p>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</p>
	<p><b>Objective 2.3</b> Conscientious Environmental Stewardship</p>	<p>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</p>
	<p><b>Objective 2.4</b> Rigorous Financial Management</p>	<p>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</p>
	<p><b>Objective 2.5</b> Systematic Risk Management</p>	<p>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</p>
	<p><b>Objective 2.6</b> Resolution to Contract Issues</p>	<p>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</p>

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

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 three divisions under the Executive Director: Engineering & CIP, Operations & Maintenance (O&M) and Administrative Services. 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 222 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 transports 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.

## Support Fund

The Support Fund is an internal service fund for the service departments that support the Regional Water, Regional Wastewater, Upper East Fork Interceptor, Sewer and Regional Solid Waste Systems, collectively known as the Operating Systems. The Support Fund Departments perform essential functions that allow the Operating Systems to provide services to Member Cities and Customers. The Support Fund expenses are fully allocated to the Operating Systems.

The support departments are as follows:

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

## NTMWD Methodology Changes

In the past few years the 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, the NTMWD 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 92% 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 the 92% consistently.

### Budgeting for an Internal Support 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 indirect 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. 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 Support Services Fund.

Below is a reconciliation, for the All Systems Budget, from the prior year's methodology to the current method.

## Revenues

	2018-19	2019-20	2019-20	2020-21
Fund / System	Actuals	Original Budget	Amended Budget	Proposed Budget
RWS	\$ 352,644,918	\$ 355,877,850	\$ 353,857,335	\$ 367,370,410
RWWS	69,891,273	76,742,265	76,933,115	80,523,835
UEFIS	34,429,904	38,859,130	38,932,755	39,961,760
SS	41,258,449	41,958,060	41,847,775	45,822,320
RSWS	36,718,321	38,289,625	38,133,395	38,444,515
Support	-	60,926,985	60,906,025	62,391,270
<b>Total</b>	<b>\$ 534,942,864</b>	<b>\$ 612,653,915</b>	<b>\$ 610,610,400</b>	<b>\$ 634,514,110</b>
Allocation Transfers	(10,953,022)	(60,926,985)	(60,906,025)	(62,391,270)
<b>Net Revenue Budget</b>	<b>\$ 523,989,842</b>	<b>\$ 551,726,930</b>	<b>\$ 549,704,375</b>	<b>\$ 572,122,840</b>

## Expenses

	2018-19	2019-20	2019-20	2020-21
Fund / System	Actuals	Original Budget	Amended Budget	Proposed Budget
RWS	\$ 349,136,129	\$ 356,612,720	\$ 353,809,855	\$ 365,403,610
RWWS	69,891,273	76,742,265	76,933,115	80,523,835
UEFIS	34,429,904	38,859,130	38,932,755	39,961,760
SS	41,258,449	41,958,060	41,847,775	45,822,320
RSWS	36,718,321	38,289,625	38,133,395	38,444,515
Support	-	60,926,985	60,906,025	62,391,270
<b>Total</b>	<b>\$ 531,434,076</b>	<b>\$ 613,388,785</b>	<b>\$ 610,562,920</b>	<b>\$ 632,547,310</b>
Allocation Transfers	(10,953,022)	(60,926,985)	(60,906,025)	(62,391,270)
<b>Net Expense Budget</b>	<b>\$ 520,481,054</b>	<b>\$ 552,461,800</b>	<b>\$ 549,656,895</b>	<b>\$ 570,156,040</b>

## Budget Calendar

Date	Event
January 2020	Budget Kickoff Meeting and Training
January 31, 2020	Managers complete personnel request workflow
February 2020	Senior Executive Team review of personnel requests
March 1, 2020	Senior Executive Team personnel requests finalized
April 1, 2020	Deadline for submitting FY21 budget requests, supplemental forms, departmental executive summaries and vehicle request forms
April 1, 2020	Operations provide estimated flow projections for FY20 Amended and FY21 Budget
April 8, 2020	Present personnel requests to Finance and Personnel Committee
April 23, 2020	Present personnel requests to Operations Committee
April 30, 2020	Senior Executive Team review and approval of FY20 Amended and FY21 Proposed O&M Budget and Executive Summaries
May 28, 2020	Board Budget Workshop for FY20 Adopted and FY20 Amended Budget review, Preliminary Budget briefing of FY21 Proposed O&M Budget
May 18 – 31, 2020	Department budget briefings, if requested
June 1, 2020	Executive Review
June 10, 2020	Finance Committee O&M Budget briefing
June 25, 2020	Operations Committee O&M Budget briefing
July 8, 2020	Finance Committee Capital Budget briefing
July 23, 2020	Operations Committee Capital Budget briefing
August 12, 2020	Finance Committee Annual Budget briefing for FY20 Amended Budget and FY21 Proposed Budget
August 27, 2020	Board briefing of FY20 Amended Budget, FY21 Proposed Budget and Rebates
September 9, 2020	Finance Committee approval of FY20 Amended Budget and FY21 Proposed Budget
September 24, 2020	Final Board approval of FY20 Amended Budget, FY21 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. 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 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. 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.

### 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 Procedures

In order to fund capital projects the District may choose to issue debt. The District may seek funding from the open market or other. Debt may be issued up to a term of 30 years. The District has no legal debt limits, however debt is only issued with consent from Member Cities and the Board. The use of debt is limited to financing capital purchases/projects only.

### Emergency Expenditures Policy

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.

## Financial Reporting Procedures

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 (CAFR) in accordance with the Generally Accepted Accounting Principles (GAAP) and financial reporting standards promulgated by the GASB.

## 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 establishing 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 RWWS, Sewer, RSWS 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 Policy

The Water Rebate Procedures Policy 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:

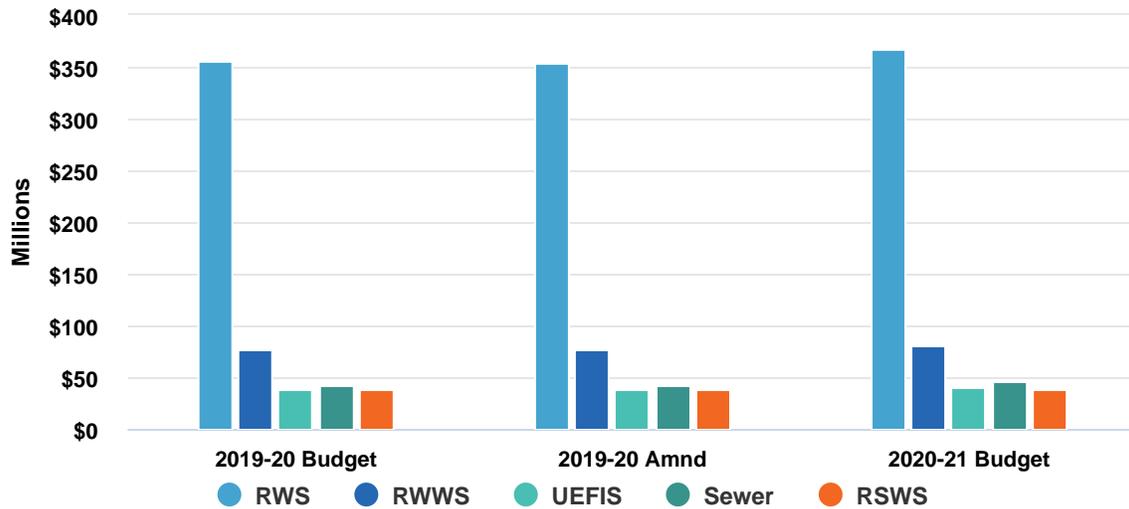
- The rebate is calculated using a formula based upon the estimated per unit reduction in expenditure for variable cost incurred by the District, determined annually by the Board of Directors.
- To be eligible for a rebate, the Member Cities or Customers should have had water demands supplied at volume 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 previously discussed items, with the exception of the General Investment Policy, Fund Balance Policy, Emergency Expenditures Policy, System Break - Even Policy and Water Rebate Policy are not official Board of Directors approved policies, but are the best practices and procedures that guide the District's fiscal management.

## 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 Original	\$ 355,877,850	\$ 76,742,265	\$ 38,859,130	\$ 41,958,060	\$ 38,289,625	\$ 551,726,930
2019-20 Amended	\$ 353,857,335	\$ 76,933,115	\$ 38,932,755	\$ 41,847,775	\$ 38,133,395	\$ 549,704,375
2020-21 Proposed	\$ 367,370,410	\$ 80,523,835	\$ 39,961,760	\$ 45,822,320	\$ 38,444,515	\$ 572,122,840

## Regional Water System

The Regional Water System is the District’s major source of revenue. It accounts for \$367,370,410 or 64.21% of the FY21 Annual Budget’s total estimated revenue. Total treated water sales are expected to be \$363,763,779. 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 and are based on the greater of:

- An agreed minimum volume of water to be taken from the system during any water year.
- The maximum volume of water actually taken from the system during any previous water year.

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 FY21 the estimated RWS expenditures total \$365,403,610. The District sets the water rate by taking total budgeted expenses minus interest income and dividing by the contracted minimum water volumes. For FY21, 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:

	2019-20	Proposed 2020-21	Change
Variable O&M Cost (Chemicals, Power, Water)	\$ 0.44	\$ 0.49	\$ 0.05
Fixed O&M Cost (Personnel, Supplies, Services, Capital Outlay)	0.68	0.70	0.02
Fixed Cost (Debt Service)	1.87	1.80	-0.07
Total Rate per 1,000	\$ 2.99	\$ 2.99	\$ 0.00

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

<b>FY21</b>		
<b>MEMBERS</b>	<b>Annual Minimum (1,000 Gallons)</b>	<b>Annual Billing</b>
Allen	6,011,208	\$ 17,973,512
Farmersville	280,467	838,596
Forney	2,345,142	7,011,976
Frisco	11,910,250	35,611,648
Garland	13,721,955	41,028,645
McKinney	11,963,029	35,769,457
Mesquite	8,297,666	24,810,021
Plano	26,719,809	79,892,229
Princeton	660,682	1,975,439
Richardson	11,019,311	32,947,740
Rockwall	4,190,133	12,528,498
Royse City	565,932	1,692,137
Wylie	1,877,558	5,613,898
<b>TOTAL MEMBERS</b>	<b>99,563,142</b>	<b>\$ 297,693,796</b>
<b>CUSTOMERS</b>		
Ables Springs SUD	92,442	\$ 281,024
Bear Creek SUD	255,565	776,918
BHP WSC	153,853	467,713
Bonham*	640,000	1,913,600
Caddo Basin SUD	419,626	1,275,663
Cash SUD*	305,643	929,155
College Mound SUD	78,066	237,321
Copeville SUD	126,348	384,098
East Fork SUD	585,063	1,778,592
Fairview	887,811	2,698,945
Fate	279,932	850,993
Fate - Second Delivery Point*	529,453	1,609,537
Forney Lake WSC	410,978	1,249,373
Gastonia-Scurry SUD	110,490	335,890
GTUA	903,869	2,747,762
Josephine	122,278	371,725
Kaufman	459,989	1,398,367
Kaufman Four-One	555,695	1,689,313
Little Elm	1,509,605	4,589,199
Lucas	628,590	1,910,914
Melissa	285,850	868,984

<b>FY21</b>		
<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	47,179	143,424
Nevada SUD - Second Delivery Point*	70,985	215,794
North Collin SUD	346,239	1,052,567
Parker	582,746	1,771,548
Prosper*	2,226,923	6,769,846
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	24,915	75,742
<b>TOTAL CUSTOMERS</b>	<b>21,736,654</b>	<b>\$ 66,047,428</b>
Retail Customers	-	22,000
Raw Water Sales	-	655
<b>GRAND TOTAL</b>	<b>121,299,796</b>	<b>\$ 363,763,879</b>

\*Contract Annual Minimums

## Regional Wastewater System

RWWS revenue accounts for \$80,523,835 or 14.07% of the FY21 Annual Budget's total estimated revenue. Total wastewater treatment revenue is estimated at \$79,875,295, 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 FY21, estimated expenditures totaling \$80,523,835 result in a proposed cost per 1,000-gallon rate of \$2.26 for Members and \$2.72 for Customers. The table below shows a breakdown of volumes and revenue by Member Cities and Customers.

<b>FY21</b>		
<b>MEMBERS</b>	<b>Projected Flows (1,000 gallons)</b>	<b>Annual Billing</b>
Allen	3,211,282	\$ 7,258,636
Forney	1,605,055	3,627,994
Frisco	1,615,829	3,652,347
Heath	691,658	1,563,392
McKinney	6,054,501	13,685,319
Melissa*	361,747	817,677
Mesquite	4,150,311	9,381,175
Plano	10,346,713	23,387,239
Princeton	392,463	887,106
Prosper	405,251	916,011
Richardson	4,085,392	9,234,435
Rockwall	988,498	2,234,356
Seagoville*	591,300	1,336,548
<b>TOTAL MEMBERS</b>	<b>34,500,000</b>	<b>\$ 77,982,235</b>
<b>CUSTOMERS</b>		
Anna	402,082	\$ 1,095,030
Fairview - Heritage Ranch	52,830	143,880
Fairview - Stacy Road	145,932	397,430
Lucas - Love Joy & Hunt Comm.	6,607	17,990
Parker - Lake Estates & King Crossing	85,400	232,580
Parker Southfork Ranch	2,257	6,150
<b>TOTAL CUSTOMERS</b>	<b>695,108</b>	<b>\$ 1,893,060</b>
<b>GRAND TOTAL</b>	<b>35,195,108</b>	<b>\$ 79,875,295</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 \$39,961,760 or 6.98% of the FY21 Annual Budget’s total estimated revenue. Total wastewater transportation revenue is estimated at \$39,422,775, 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 FY21, estimated expenditures totaling \$39,961,760 result in a proposed cost per 1,000-gallon rate of \$1.48 for Members Cities and \$1.79 for Customers. The table below shows a breakdown of volumes and revenue by Member Cities and Customers.

<b>FY21</b>		
<b>MEMBER CITIES</b>	<b>Projected Flows (1,000 gallons)</b>	<b>Annual Billing</b>
Allen	3,211,282	\$ 4,766,881
Frisco	1,615,829	2,398,564
McKinney	6,054,501	8,987,403
Melissa*	361,747	536,983
Plano	10,346,713	15,358,833
Princeton	392,463	582,579
Prosper*	531,075	788,337
Richardson	3,205,484	4,758,275
<b>TOTAL MEMBER CITIES</b>	<b>25,719,095</b>	<b>\$ 38,177,855</b>
<b>CUSTOMERS</b>		
Anna	402,082	\$ 720,120
Fairview - Heritage Ranch	52,830	94,620
Fairview - Commercial	145,932	261,360
Lucas - Love Joy & Hunt Comm.	6,607	11,830
Parker - Lake Estates & Kings Crossing	85,400	152,950
Parker - Southfork Ranch	2,257	4,040
<b>TOTAL CUSTOMERS</b>	<b>695,108</b>	<b>\$ 1,244,920</b>
<b>GRAND TOTAL</b>	<b>26,414,203</b>	<b>\$ 39,422,775</b>

\*Contract Minimums

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

**Sewer System**

Sewer System revenue accounts for \$45,822,320 or 8.01% of the FY21 Annual Budget's total estimated revenue. Special Facility Contract Revenue is received from participating entities for 11 WWTPs (two are 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 \$32,923,130

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:

FY21		
WWTP (Participating Entities)	Projected Flow (1,000gal)	Budgeted Expenditures
Farmersville (Farmersville)	158,344	\$ 529,610
Lavon (Lavon)	73,634	420,825
Muddy Creek (Murphy & Wylie)	2,744,035	7,538,395
North Rockwall	217,007	623,205
Panther Creek (North Frisco)	1,705,949	9,225,175
South Rockwall	455,263	1,763,110
Sabine Creek (Fate & Royse City)	660,466	2,815,450
Seis Lagos (Seis Lagos Subdivision)	58,979	251,295
Stewart Creek (South Frisco)	2,085,049	9,690,650
Royse City	-	25,030
Wylie	-	40,385
<b>Total</b>	<b>8,158,726</b>	<b>\$ 32,923,130</b>

Sewer System wastewater transportation revenue is projected to be \$10,083,875. The table below presents the estimated unit cost for the Sewer System interceptor facilities:

FY21		
Interceptor Facility (Participating Entities)	Projected Flow (1,000 gal)	Budgeted Expenditures
Forney (Forney)	549,760	\$ 517,820
Lower East Fork (Mesquite & Seagoville)*	648,578	1,858,310
Muddy Creek (Murphy & Wylie)*	2,744,035	862,630
Parker Creek (Fate & Royse City)*	206,886	960,335
Sabine Creek (Royse City)*	333,387	301,845
Buffalo Creek (Forney, Heath, Rockwall)	2,409,681	3,099,530
McKinney (McKinney)	1,427,970	52,650
Mustang Creek (Forney)	325,770	2,314,180
Parker Creek Parallel (Fate)	120,193	116,575
<b>Total</b>	<b>8,766,260</b>	<b>\$ 10,083,875</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 \$38,444,515 or 6.72% of the FY21 Annual Budget’s total estimated revenue. Total solid waste disposal revenue from Member Cities is expected to be \$26,551,360. 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 FY21, estimated expenditures total \$38,444,515. After reducing expenses for Customer Charges of \$5,562,240, Sludge Revenues of \$3,541,165, Gas Royalties of \$1,212,000, Interest Income of \$48,090 and Other Revenue of \$1,529,660 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.

<b>FY21</b>		
<b>Members</b>	<b>Projected Tonnage</b>	<b>Annual Billing</b>
Allen	68,543	\$ 2,621,801
Frisco	123,162	4,711,002
McKinney	154,293	5,901,777
Plano	239,885	9,175,710
Richardson	108,262	4,141,070
<b>TOTAL MEMBERS</b>	<b>694,145</b>	<b>\$ 26,551,360</b>

Landfill Customer charges are projected to be \$5,562,240. In FY21, for disposal at the transfer stations, customers will pay \$55 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 \$40 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).

Sludge Disposal revenue is estimated at \$3,541,165. For FY21, the charge to District operated wastewater treatment plants for disposal of federal and state approved sludge materials is \$24.86 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 FY20 All Systems Amended Budget is expected to be \$549,656,895, which is \$2,804,905 or 0.51% less than the FY20 Original Budget.

This decrease is the result of the following:

- Savings in Wholesale Water Purchases and Electric Power in the RWS based on historical water treatment trends.
- Reductions in Special Maintenance for less lagoon cleanings.
- Savings in Salaries and Wages due to vacancies with limited increases to overtime.

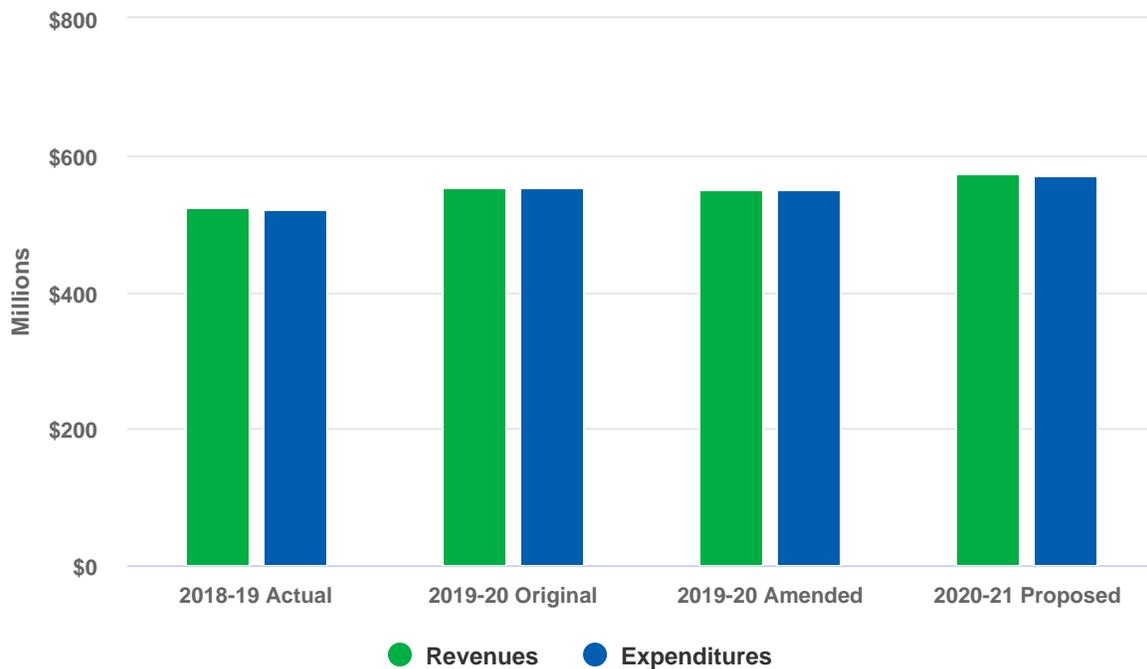
The savings were partially offset by the following:

- Increases in Chemicals in the RWS driven by higher use/costs for Ferric Sulfate, Liquid Oxygen, Fluoride and Sodium Chlorite with reductions in Caustic.

The overall FY21 Annual All Systems Budget of \$570,156,040 represents an increase of \$17,694,240 or 3.20%.

A comparison of the All Systems Budget for fiscal years 2019 through 2021 is presented below:

### BUDGET SUMMARY

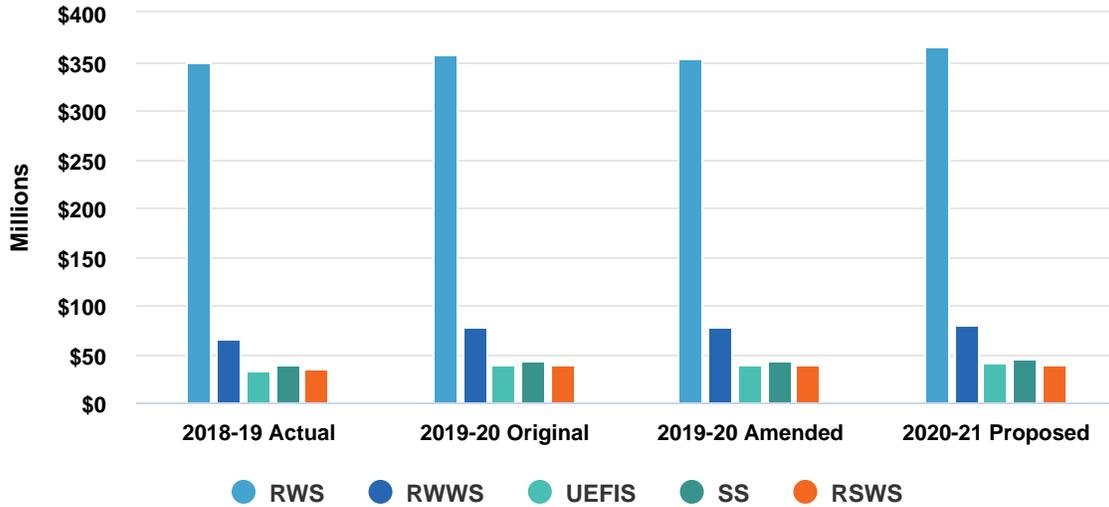


	<b>2018-19 Actual</b>	<b>2019-20 Original</b>	<b>2019-20 Amended</b>	<b>2020-21 Proposed</b>
REVENUES	\$ 523,989,842	\$ 551,726,930	\$ 549,704,375	\$ 572,122,840
EXPENDITURES	\$ 520,481,054	\$ 552,461,800	\$ 549,656,895	\$ 570,156,040
	\$ 3,508,788	\$ (734,870)	\$ 47,480	\$ 1,966,800

## Review by System

Below is a breakdown of the Budgeted Expenditures by System for FY19 through FY21:

### ALL SYSTEMS BUDGETED EXPENDITURES



System	2018-19 Actual	2019-20 Original	2019-20 Amended	2020-21 Proposed
RWS	\$ 349,061,627	\$ 356,612,720	\$ 353,809,855	\$ 365,403,610
RWWS	64,519,184	76,742,265	76,933,115	80,523,835
UEFIS	32,875,367	38,859,130	38,932,755	39,961,760
SS	38,574,467	41,958,060	41,847,775	45,822,320
RSWS	35,450,408	38,289,625	38,133,395	38,444,515
<b>Total</b>	<b>\$ 520,481,054</b>	<b>\$ 552,461,800</b>	<b>\$ 549,656,895</b>	<b>\$ 570,156,040</b>

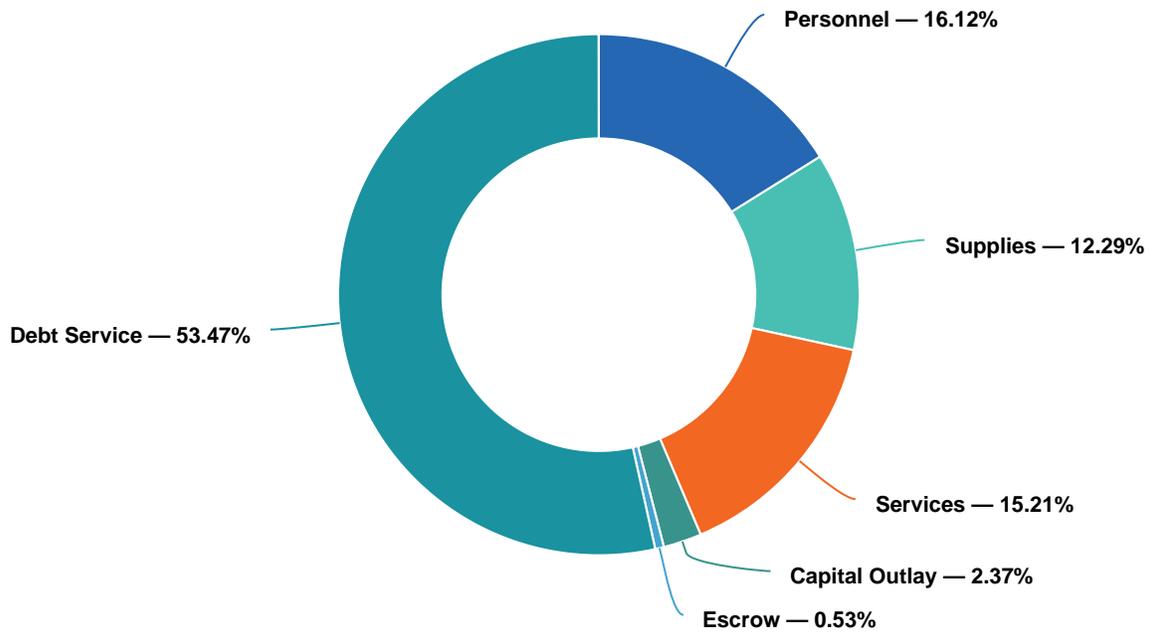
**Review by Category**

The following is a summary of fiscal years 2019 through 2021 All Systems Budgets by Category:

**ALL SYSTEMS BUDGET BY CATEGORY**

Category	2018-19 Actual	2019-20 Original	2019-20 Amended	2020-21 Proposed
Personnel	\$ 82,280,403	\$ 91,125,735	\$ 91,135,040	\$ 91,914,145
Supplies	56,890,011	60,759,810	65,086,380	70,098,080
Services	66,281,726	80,930,110	75,374,645	86,741,445
Capital Outlay	7,143,125	12,357,175	11,721,970	13,496,175
Escrow	5,372,160	4,281,045	4,363,045	3,042,750
Debt Service	302,513,630	303,007,925	301,975,815	304,863,445
<b>Total</b>	<b>\$ 520,481,054</b>	<b>\$ 552,461,800</b>	<b>\$ 549,656,895</b>	<b>\$ 570,156,040</b>

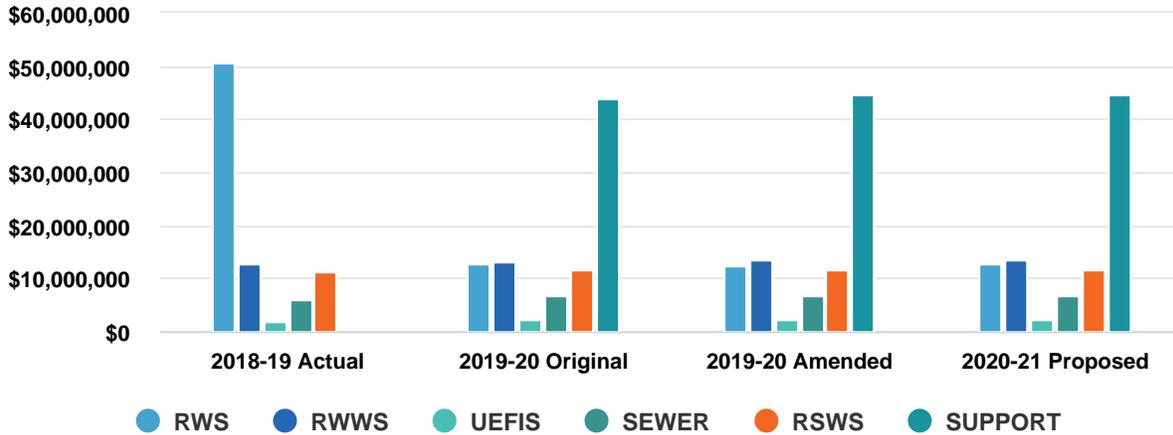
**FY21 EXPENSES**



Personnel

The FY20 Amended All Systems Budget for Personnel is expected to be \$91,135,040 which is \$9,305 or 0.01% more than the FY20 Original Budget.

PERSONNEL EXPENSES BY SYSTEM



Personnel	2018-19 Actual	2019-20 Original	2019-20 Amended	2020-21 Proposed
RWS	\$ 50,535,966	\$ 12,885,735	\$ 12,336,935	\$ 12,925,335
RWWS	12,641,191	13,253,725	13,450,745	13,546,650
UEFIS	1,960,892	2,331,625	2,283,460	2,279,335
SEWER	6,074,874	6,869,975	6,856,585	6,817,070
RSWS	11,067,479	11,775,580	11,705,340	11,724,615
SUPPORT	-	44,009,095	44,501,975	44,621,140
<b>Total Personnel</b>	<b>\$ 82,280,403</b>	<b>\$ 91,125,735</b>	<b>\$ 91,135,040</b>	<b>\$ 91,914,145</b>

The FY21 All Systems Budget for Personnel is \$91,914,145 which is \$788,410 or 0.87% greater than the FY20 Original Budget. The increase in salaries and benefits is primarily the result of funding 2 additional positions and rising insurance costs. Performance based salary adjustments are typically budgeted at 3%, however based on the current COVID-19 environment this year’s budget does not anticipate funding for salary increases.

The District faces a combination of challenges when it comes to staffing:

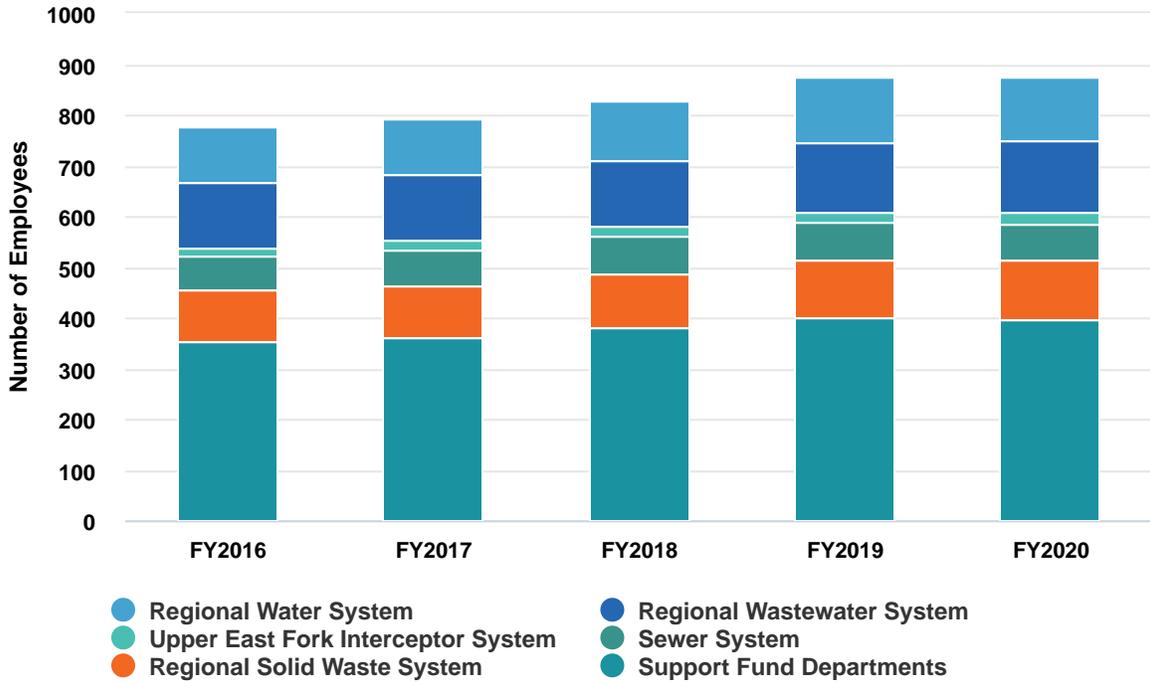
- Keeping Personnel costs down
  - Limiting headcount increases at a time when new or expanded facilities are coming online.
- Maintaining and building bench strength in key positions.
- Aging workforce - currently 100 employees are eligible for retirement today with 71 in Operations & Maintenance.
- Evaluating the organizational structure and potential reallocations of vacant positions as a result of retirements.

To tackle the staffing challenges, the District plans to offer a retirement incentive program to employees that have ten years of pensionable earnings with the District and are eligible for retirement as of December 31, 2020. The program will pay a severance of three months salary and will add five additional years of earnings into the pension calculation for employees who opt in. The program is expected to reduce costs through a mix of elimination/restructuring of existing positions, position freezes and lower salary/benefits when hiring replacement employees. Actual savings will be dependent on the number of employees who enter into the program. Of the 100 employees eligible for retirement, 64 meet the criteria for this program.

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



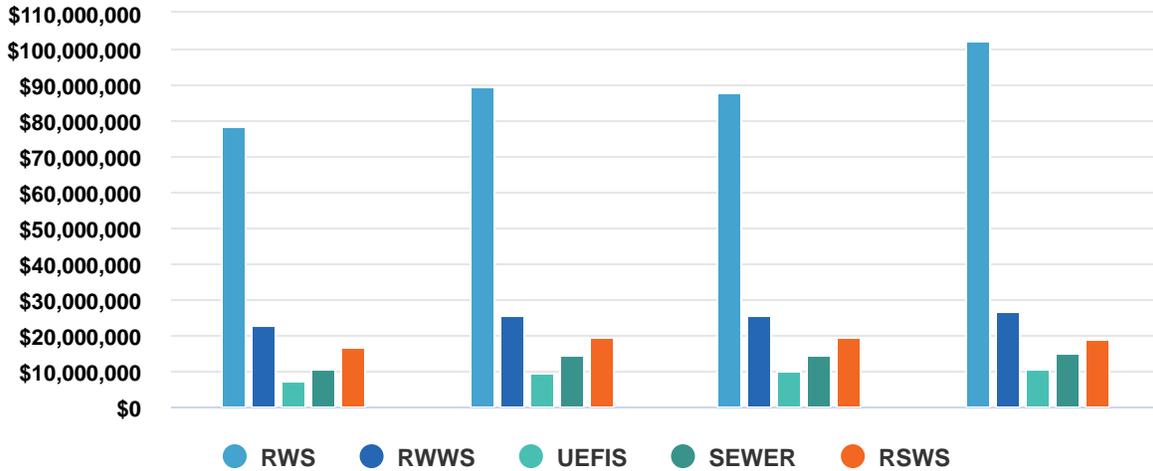
District Wide Staffing	FY17	FY18	FY19	FY20	FY21
Regional Water System	109	110	115	127	127
Regional Wastewater System	128	129	131	137	140
Upper East Fork Interceptor System	19	19	19	22	22
Sewer System	65	72	73	75	74
Regional Solid Waste System	104	104	108	113	114
Support Fund Departments	351	359	380	399	398
<b>Total Employees</b>	<b>776</b>	<b>793</b>	<b>826</b>	<b>873</b>	<b>875</b>

Total budgeted positions for FY21 are 875, a 0.3% increase from the prior year.

Operations

The FY20 Amended All Systems Budget for Operations is \$156,546,040 which is (\$1,782,100) or -1.13% less than the FY20 Original Budget.

OPERATING EXPENSES BY SYSTEM



Operating	2018-19 Actual	2019-20 Original	2019-20 Amended	2020-21 Proposed
RWS	\$ 78,077,617	\$ 89,267,570	\$ 87,627,623	\$ 102,408,545
RWWS	22,672,333	25,617,341	25,647,010	26,430,665
UEFIS	7,373,430	9,543,561	9,744,513	10,621,661
SEWER	10,784,897	14,458,125	14,227,830	15,081,985
RSWS	16,778,744	19,441,543	19,299,064	18,835,594
<b>Total Operating</b>	<b>\$135,687,021</b>	<b>\$158,328,140</b>	<b>\$156,546,040</b>	<b>\$173,378,450</b>

The FY21 All Systems Budget for Operations is \$173,378,450 which is \$15,050,310 or 9.51% greater than the FY20 Original Budget.

The following areas increased:

- Chemicals, primarily in the RWS, due to higher chemical costs, specifically ferric sulfate, caustic, lime and sodium chlorite. UEFIS also had increased chemicals to provide enhanced odor control.
- Special Maintenance increased in the RWS for cleaning and hauling residuals from the lagoons.
- Vehicle purchases in the RSWS for transport truck and wheel loader replacements at the Custer Road TS; compactor, dozer and water wagon replacements at the 121 RDF; and trailers for the Parkway TS top load conversion.
- Electric Power within the RWS and the RWWS.

The above increases were offset by the following:

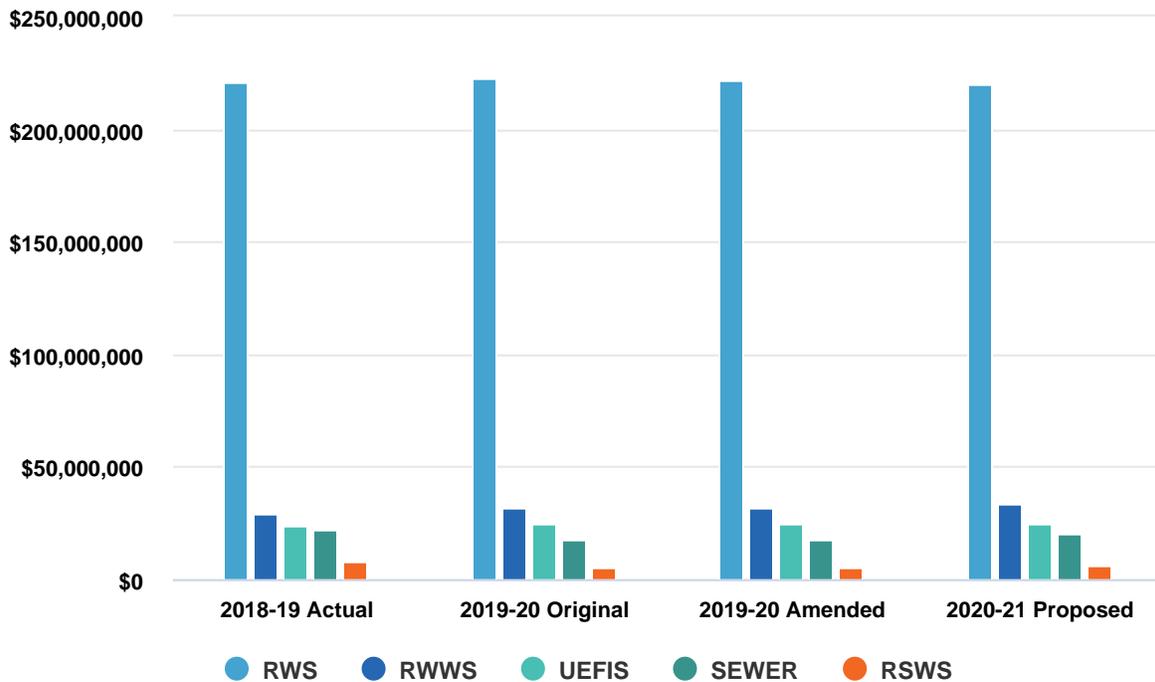
- Lower expected Wholesale Water Purchases based on recent trends.
- Eliminated Landfill Development Cost driven by no landfill cell development in FY21.
- Reduced Non-Vehicle Equipment within the RWWS and RSWS.
- Reductions in transfers to Preventative Maintenance Escrows in the RWWS and Sewer System.
- Lower expected landfill service fees due to a change in process that allows for better dewatering and reduces costs and trips to the landfill.

### Capital

The service area for the District is considered one of the fastest growing in the nation. This growth, along with aging infrastructure, make continued 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 FY21, 53% 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. As new facilities are built, based on forecasted demand for the District’s services, revenue will also increase a proportionate amount.

The FY20 Amended All Systems Budget for Capital is \$301,975,815 which is (\$1,032,110) or (-0.34%) less than the FY20 Original Budget.

### CAPITAL EXPENSE BY SYSTEM



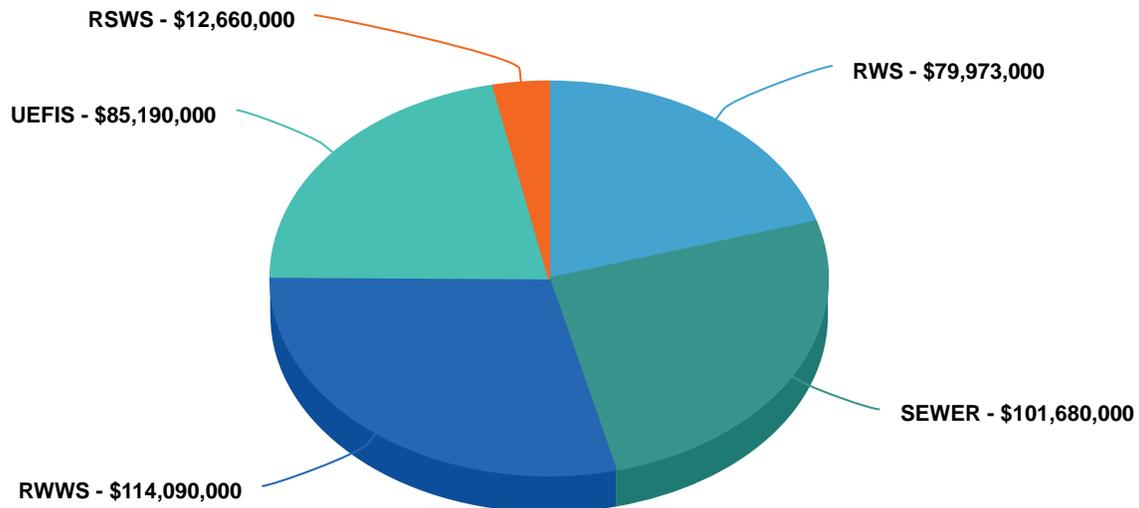
Capital	2018-19 Actual	2019-20 Original	2019-20 Amended	2020-21 Proposed
RWS	\$ 220,448,044	\$ 222,717,235	\$ 221,686,610	\$ 219,660,985
RWWS	29,205,660	31,969,880	31,971,340	33,952,900
UEFIS	23,541,045	24,870,490	24,868,380	24,554,700
SEWER	21,714,695	17,877,370	17,876,640	20,536,510
RSWS	7,604,185	5,572,950	5,572,845	6,158,350
<b>Total Capital</b>	<b>\$ 302,513,630</b>	<b>\$ 303,007,925</b>	<b>\$ 301,975,815</b>	<b>\$ 304,863,445</b>

The FY21 All Systems Budget for Capital is \$304,863,445 which is \$1,855,520 or 0.61% greater than the FY20 Original Budget. The increase is primarily due to additional required debt service payments from new debt. The increase is offset by lower transfers to the capital improvement fund in SS, RSWS and UEFIS. For FY21, bond issues of approximately \$394 million par (project cost plus issuance costs) are planned.

- In the RWS, bond sales of approximately \$80 million for the construction of additional clearwells at the Wylie WTP; control valve improvements for HSPS 2-2 and 2-3; the design of the water treatment plant site back-up power improvements; Apollo Pump Station electrical and mechanical system improvements; water transmission pipeline condition assessment; construction of the lock and dam structure at the Trinity River Main Stem Pump Station; and the conversion to biologically active filtration at the Wylie WTP.
- In the RWWS, bonds sales of \$114 million for Rowlett Creek Regional WWTP peak flow management phase IIA solids improvements; step feed improvements at Wilson Creek Regional WWTP; aeration basin improvements at Wilson Creek Regional WWTP; South Mesquite Regional WWTP peak flow management & expansion phase I; and the design of South Mesquite Regional WWTP peak flow management & expansion phase II.
- In the UEFIS, bond sales of \$85 million for the construction of the North McKinney Transfer Force Main; the construction of the Sloan Creek Force Main; the construction of North McKinney Transfer Lift Station; the construction of McKinney-Prosper Transfer Sewer phase I; the Preston Road Lift Station expansion property; and McKinney East Side extension property.
- In the Sewer System, bond sales of \$102 million for the design of the improvements and expansion to 5 MGD of the Sabine Creek Sub-Regional WWTP; design of the Muddy Creek WWTP expansion to 15 MGD and operations building improvements; construction of the Buffalo Creek Parallel Interceptor, phase I; construction of the Buffalo Creek Interceptor Tunnel; and the Forney Mustang Creek Lift Station phase II and Forney Force Main improvements.
- In the RSWS, bond sales of over \$12 million for the addition of the 121 RDF heavy equipment shop; property for the North Transfer Station; and construction for the closure of 121 RDF south slope.

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

## BUDGETED BOND ISSUES



# REGIONAL WATER SYSTEM

# FY21 FAST BUDGET FACTS

WATER SERVICES

## COMMUNITIES SERVED

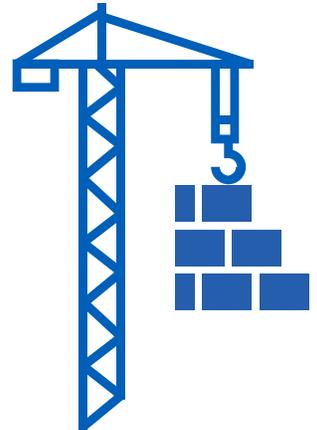
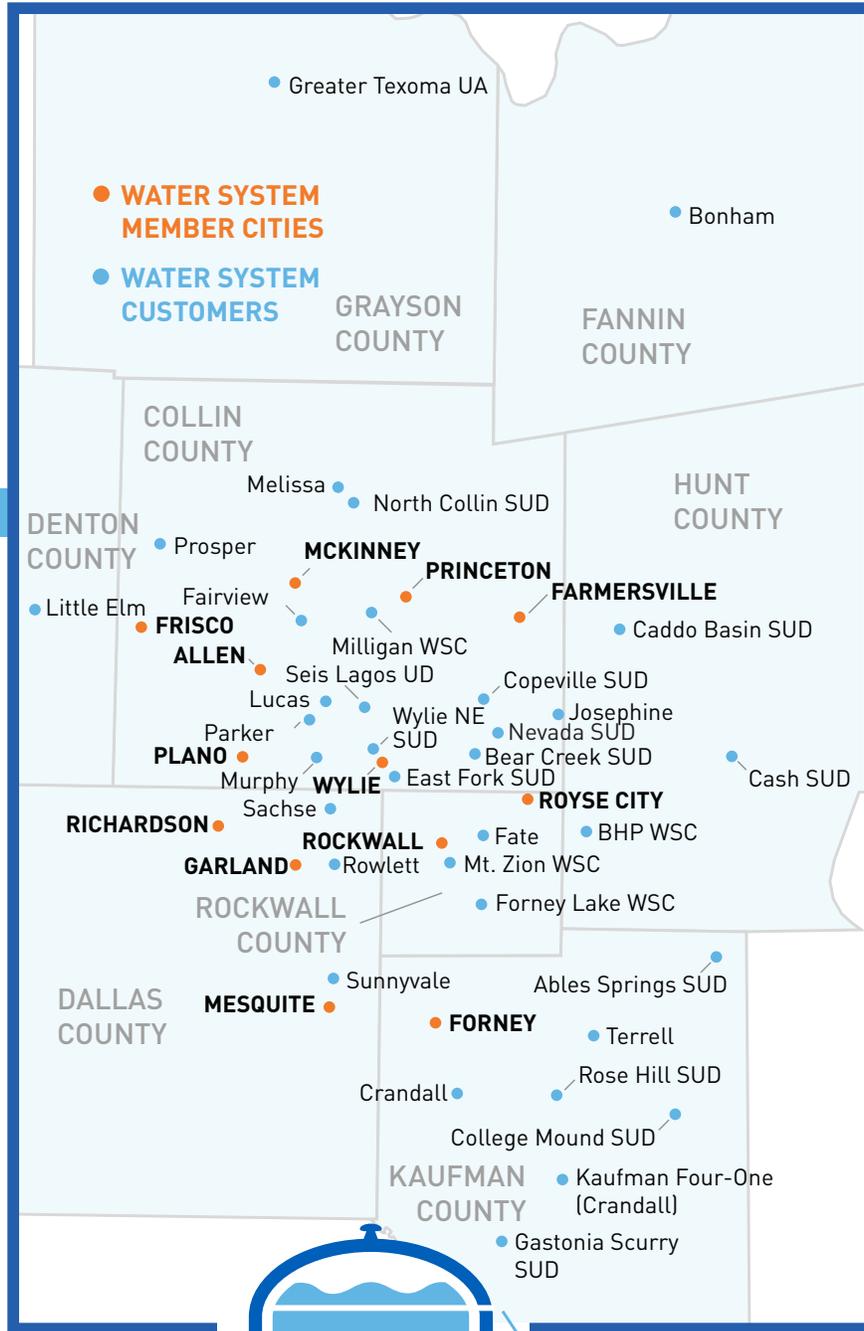
**127**  
EMPLOYEES

**\$306**  
MILLION

In water system  
construction  
contracts

**605+**  
Miles of water  
transmission lines

**6** |   
Water treatment  
**PLANTS**

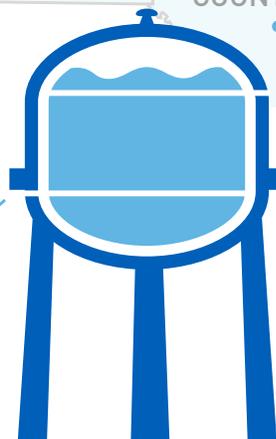


Average Annual  
Water Use

**82%** Member  
Cities  
**18%** Customers

Typically  
**32 BILLION**

Gallons of water  
re-used  
annually



FY21 Annual Minimum

**121 BILLION**

Gallons of treated water

## 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.

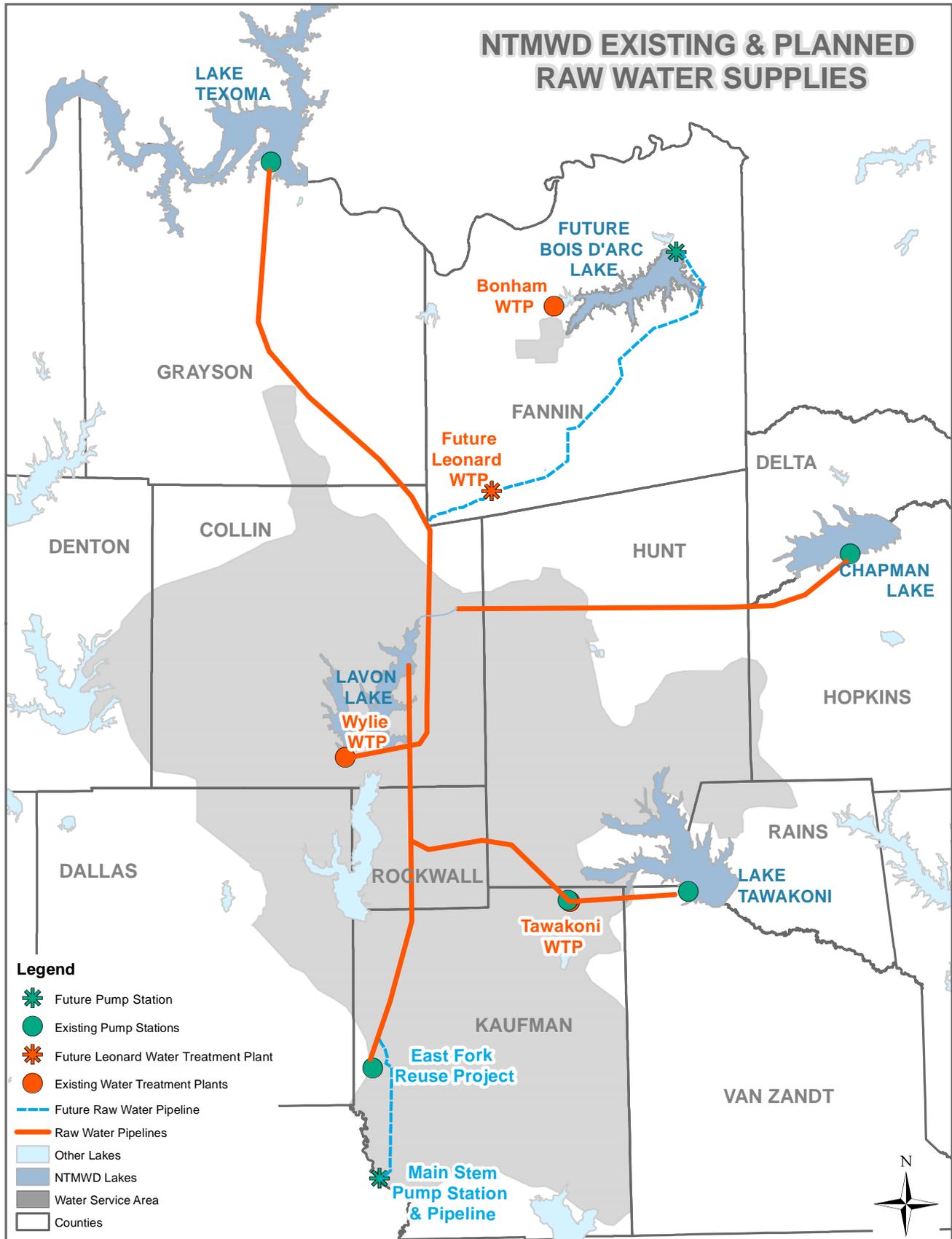
### Water Quality

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. We report findings 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 District's 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. NTMWD 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.

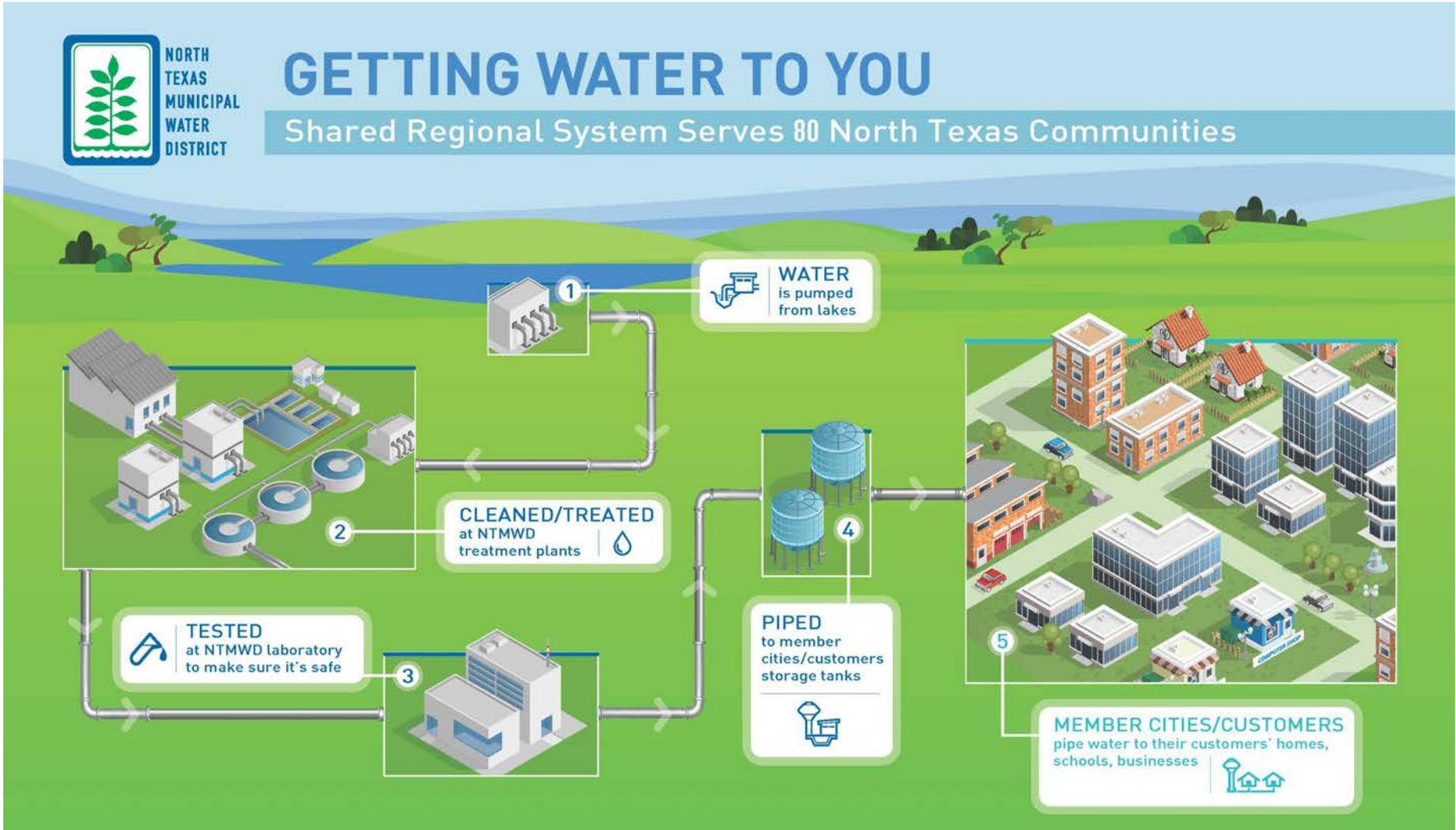
Member Cities and Customers also test the water before they distribute it to their consumers. They produce their own annual Water Quality or CCR. Most of these can be accessed at each city or water utility's website.





# GETTING WATER TO YOU

Shared Regional System Serves 80 North Texas Communities



## 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, nearly one-quarter 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.

Fifteen years ago, 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 targeted messaging, residents in communities served, learn how Lavon Lake is their main source of drinking water and value its role from the Love Lavon Lake local campaign.

Over the years, NTMWD has launched several additional programs to help communities learn how to save water, including [WaterMyYard.org](http://WaterMyYard.org), [Water4Otter](http://Water4Otter.org), [#PledgeToPlantSmart](http://#PledgeToPlantSmart), [ULandscapelt](http://ULandscapelt.org) and [UPlantIt](http://UPlantIt.org). 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 the long-term water demands are met.

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](http://Water4Otter.org), 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, TV, radio 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, media outlets such as TV, radio, print, theater 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:

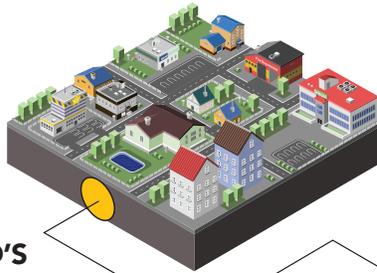
- Constructing Bois d'Arc Lake, which is projected to supply 108 MGD and is on track to be online in 2022. The District was issued a water right from the TCEQ in June 2015. The U.S. Army Corps of Engineer's issued its Record of Decision and granted the 404 Permit on February 2, 2018 to allow construction 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.

**3.2M**  
PEOPLE  
EXPECTED TO  
LIVE IN NTMWD'S  
SERVICE AREA  
BY 2050



**80**  
NORTH TEXAS  
COMMUNITIES  
SERVED IN 10  
COUNTIES

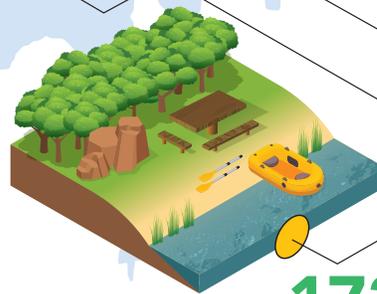


**UP TO  
210M**  
GALLONS OF WATER  
TREATED PER DAY

BOIS D'ARC LAKE



**26**  
SQUARE MILES  
FOR BOATING  
AND FISHING



**172**  
MILES OF PUBLIC AND  
PRIVATE SHORELINE,  
INCLUDING RECREATION  
AREAS

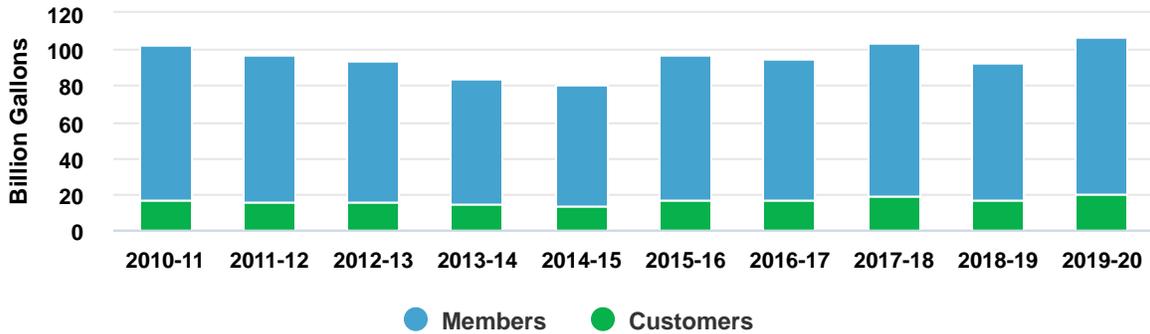


The 26-square-mile Bois d'Arc Lake starts delivering drinking water to 80 North Texas communities in 2022. Visit [BoisdArcLake.org](http://BoisdArcLake.org) for more information.

### Minimum Annual Demand and Water Rate

Water Consumption for the FY20 water year (August 1, 2019 through July 31, 2020) was 106,271,211,000 gallons. This was 13,582,088,000 gallons or 14.65% more than the prior year's consumption of 92,689,123,000 gallons. This was 12,004,416,000 gallons or 10.15% less than the expected consumption of 118,275,627,000 gallons for the year. Historical water consumption is presented below.

### ANNUAL WATER CONSUMPTION By Water Year

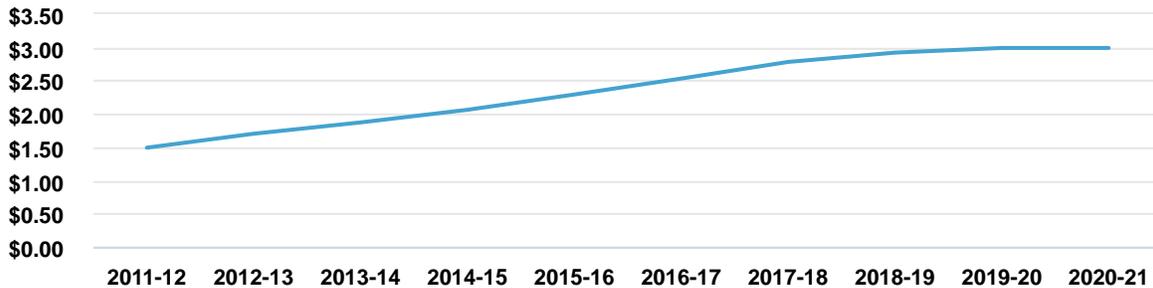


The Minimum Annual Demand methodology requires each city to pay for the facilities it has required the District to construct in order to meet its demands. This method provides for an escalating Minimum Annual Demand for cities that place additional demands on the system and on cities that do not effectively manage their demands, thus encouraging conservation. Total Minimum Annual Demands for FY21 are scheduled at 121,299,763,000 gallons. The table below presents the Minimum Annual Demands for each Member City and for Customers collectively:

FY21 ANNUAL MINIMUMS	
Member Cities	(1,000 gallons)
Allen	6,011,208
Farmersville	280,467
Forney	2,345,109
Frisco	11,910,250
Garland	13,721,955
McKinney	11,963,029
Mesquite	8,297,666
Plano	26,719,809
Princeton	660,682
Richardson	11,019,311
Rockwall	4,190,133
Royse City	565,932
Wylie	1,877,558
<b>Total Member Cities</b>	<b>99,563,109</b>
<b>Customers</b>	<b>21,736,654</b>
<b>Grand Total</b>	<b>121,299,763</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 FY21 fiscal year. The current Customer City Water Rate will also remain flat at 3.04 per 1,000 gallons for FY21. 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 FY21, it is proposed that the Excess Water Rate be adjusted from \$0.44 to \$0.49 per 1,000 gallons for Member Cities and from \$0.49 to \$0.54 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 (\$0.44 per 1,000 gallons for FY20) 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 FY20.

**2019-20 Water Excess / Rebates**

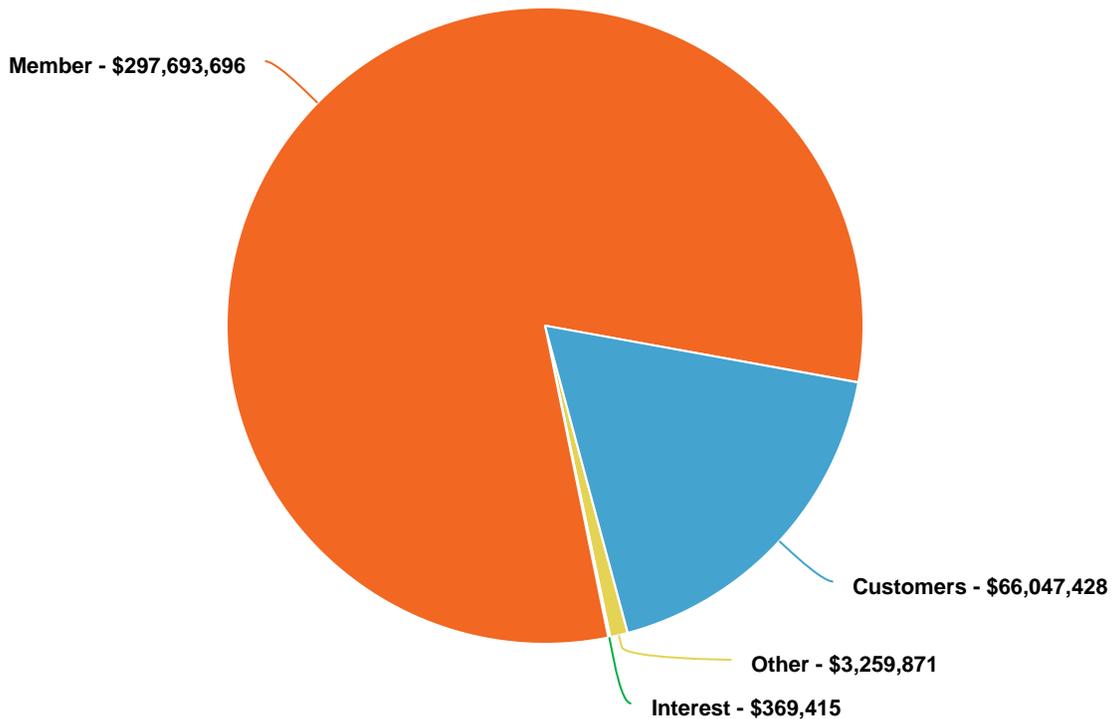
City	Minimum Annual Demand (1,000 Gallons)	FY20 Actuals (1,000 Gallons)	2019-20 Excess	2019-20 Rebates
Allen	6,011,208	5,921,753	\$ -	\$ (39,360)
Farmersville	280,467	217,870	-	(27,543)
Forney	1,956,185	2,345,109	171,127	-
Frisco	10,986,490	11,910,250	406,454	-
Garland	13,721,955	11,793,363	-	(848,580)
McKinney	11,963,029	11,355,060	-	(267,506)
Mesquite	8,297,666	5,808,575	-	(1,095,200)
Plano	26,719,809	20,918,347	-	(2,552,643)
Princeton	535,076	660,682	55,267	-
Richardson	11,019,311	8,907,177	-	(929,339)
Rockwall	3,953,622	4,190,133	104,065	-
Royse City	493,325	565,932	31,947	-
Wylie	1,877,558	1,860,469	-	(7,519)
<b>Total Members</b>	<b>97,815,701</b>	<b>86,454,720</b>	<b>\$ 768,860</b>	<b>\$ (5,767,691)</b>
<b>Customers</b>	<b>20,459,926</b>	<b>19,816,491</b>	<b>2,793,495</b>	<b>(680,465)</b>
<b>Grand Total</b>	<b>118,275,627</b>	<b>106,271,211</b>	<b>\$ 3,562,355</b>	<b>\$ (6,448,156)</b>

### Revenues and Expenditures

	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>	<b>\$ 352,644,918</b>	<b>\$ 355,877,850</b>	<b>\$ 353,857,335</b>	<b>\$ 367,370,410</b>	<b>\$ 11,492,560</b>	<b>3.23%</b>
<b>Expenditures</b>						
Personnel	\$ 50,535,966	\$ 12,885,735	\$ 12,336,935	\$ 12,925,335	\$ 39,600	0.31%
Supplies	37,647,129	34,154,980	37,816,255	42,511,670	8,356,690	24.47%
Services	39,074,329	85,437,270	80,643,800	88,584,095	3,146,825	3.68%
Capital Outlay	1,380,661	1,367,500	1,276,255	1,671,525	304,025	22.23%
Escrow	50,000	50,000	50,000	50,000	-	0.00%
Debt Service	220,448,044	222,717,235	221,686,610	219,660,985	(3,056,250)	-1.37%
<b>Total</b>	<b>\$ 349,136,129</b>	<b>\$ 356,612,720</b>	<b>\$ 353,809,855</b>	<b>\$ 365,403,610</b>	<b>\$ 8,790,890</b>	<b>2.47%</b>

The FY20 Amended Budget for total estimated revenues is expected to be \$353,857,335 and the Amended Budget for total estimated expenses is expected to be \$353,809,855. For FY21, Member City and Customer water sales revenues are projected to be \$363,741,124, which reflects the flat water rate. Combined with other water sales of \$22,655, interest income of \$369,415 and other budgeted revenues of \$3,237,216, the total budgeted revenue for FY21 is \$367,370,410.

### RWS 2020-21 ANNUAL BUDGETED REVENUE



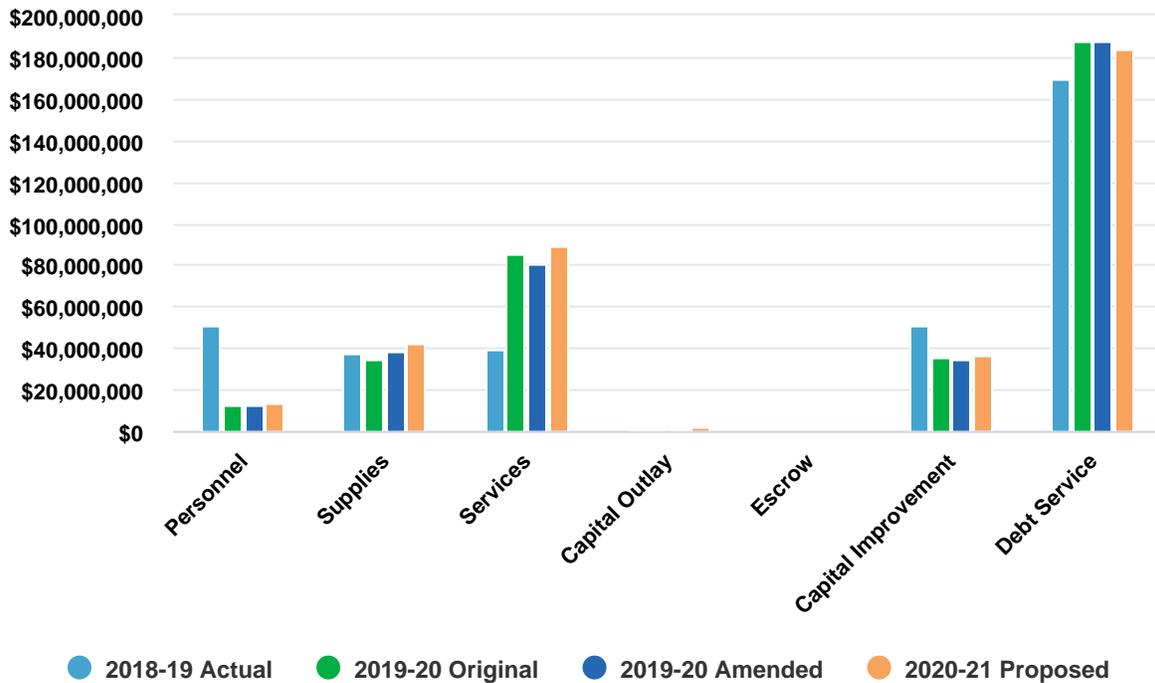
The FY20 Amended Budget for expenditures totals \$353,809,855, which is \$2,802,865 or 0.79% less than the FY20 Original Budget of \$356,612,720. This decrease is due to a lower number of lagoon cleanings, reduced Electric Power and Wholesale Water Purchases because of less demand, a lower expected Capital Improvement Fund transfer and savings in Personnel. These savings were partially offset by higher prices on Chemicals.

For the FY21 Annual Budget, the total RWS expenditures requested are \$365,403,610, which is \$8,790,890 or 2.47% greater than the FY20 Original Budget.

Major budget variances are explained below:

- Supplies increased \$8,356,690 driven by increased chemical contract costs. Additional supply increases are due to equipping the new Bois d’Arc Lake Office and Maintenance Shop, Leonard Water Treatment Plant and new Operations Building. In addition, there are added costs in supplies that are needed in order to effectively implement the Lavon Lake Spill Response Plan.
- Services increased \$3,146,825 as a result of additional Special Maintenance for lagoon cleaning and Bois d’Arc Lake Fannin County Agreements. These increases are partially offset by a reduction in Support Services allocations for FY21.
- Capital Outlay is higher by \$304,025. Other Capital Outlay increased as a result of stormwater best management practices (BMP) construction, specifically stormwater management features including rain gardens, pervious pavement, rainwater harvesting and more. This is funded through a grant from TCEQ.
- Lower debt service cost is offset by higher Capital Improvement Fund transfers resulting in a net decrease of (\$3,056,250).

### REGIONAL WATER SYSTEM EXPENDITURES



**Regional Water System  
Operating Fund  
9/30/2020**

Regional Water System	FY20 Budget	FY20 Amended	FY21 Proposed
<b>Fund Balance:</b>			
Beginning Balance	\$ 33,565,469	\$ 33,571,524	\$ 33,619,004
Revenues	355,877,850	353,857,335	367,370,410
Expenditures	356,612,720	353,809,855	365,403,610
Increase / (Decrease)	(734,870)	47,480	1,966,800
Ending Balance	32,830,599	33,619,004	35,585,804
Divided by Daily Operating Expense	\$ 363,090	\$ 358,485	\$ 394,715
Days of Operating Expense	90	94	90
<b>Daily Operating &amp; Maintenance Expense Calculation:</b>			
Total Expenditures	\$ 356,612,720	\$ 353,809,855	\$ 365,403,610
Less:			
Debt Service	187,547,235	187,546,610	183,460,985
Fund Balance Transfer	-	-	-
Transfer to Capital Improvement Fund	35,170,000	34,140,000	36,200,000
Capital Outlay	1,367,500	1,276,255	1,671,525
Total Operating & Maintenance Expense	132,527,985	130,846,990	144,071,100
Divided by Days	365	365	365
Daily Operating Expense	\$ 363,090	\$ 358,485	\$ 394,715

**Regional Water System  
Capital Improvement Fund  
9/30/2020**

**Projected Balance:**

Fund Balance - 07/31/20	\$ 159,925,071
Remaining Payments to be made on Authorized Projects	(101,763,331)
Balance Available for Future Projects	<u>\$ 58,161,740</u>
Remaining Budgeted Transfers from Operating Fund	4,831,668
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
Projects to be Considered for Award	<u>(26,063,000)</u>
Balance Available for Future Projects - 09/30/20	\$ 37,742,596
Transfers from Operating Fund	36,200,000
Bond Funding: SWIFT Reimbursement	34,203,000
Projects to be Considered for Award	<u>(92,855,000)</u>
Balance Available for Future Projects - 9/30/21	<u><u>\$ 15,290,596</u></u>

**Historical Balances:**

<u>Fiscal Year</u>	<u>Balance</u>	<u>Unencumbered Balance</u>	<u>Targeted Unencumbered Balance</u>
2015	\$ 60,618,735	\$ 22,084,492	\$ 18,054,756
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 target unencumbered balance is \$13,903,003

**Regional Water System  
Contingency Fund  
9/30/2020**

	<b>2019-20 Original</b>	<b>2019-20 Amended</b>	<b>2020-21 Proposed</b>
<b>Fund Balance:</b>			
Beginning Balance	\$ 24,123,373	\$ 23,902,427	\$ 23,902,427
Budget Methodology (Variable Reductions)	(5,200,745)	-	(5,287,577)
Ending Balance	<u>\$ 18,922,628</u>	<u>\$ 23,902,427</u>	<u>\$ 18,614,850</u>

**Historical Balances:**

<b>Fiscal Year</b>	<b>Ending Balance</b>
2015	\$ 23,194,220
2016	\$ 18,934,610
2017	\$ 19,099,864
2018	\$ 19,423,373
2019	\$ 23,902,427

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**

9/30/2020

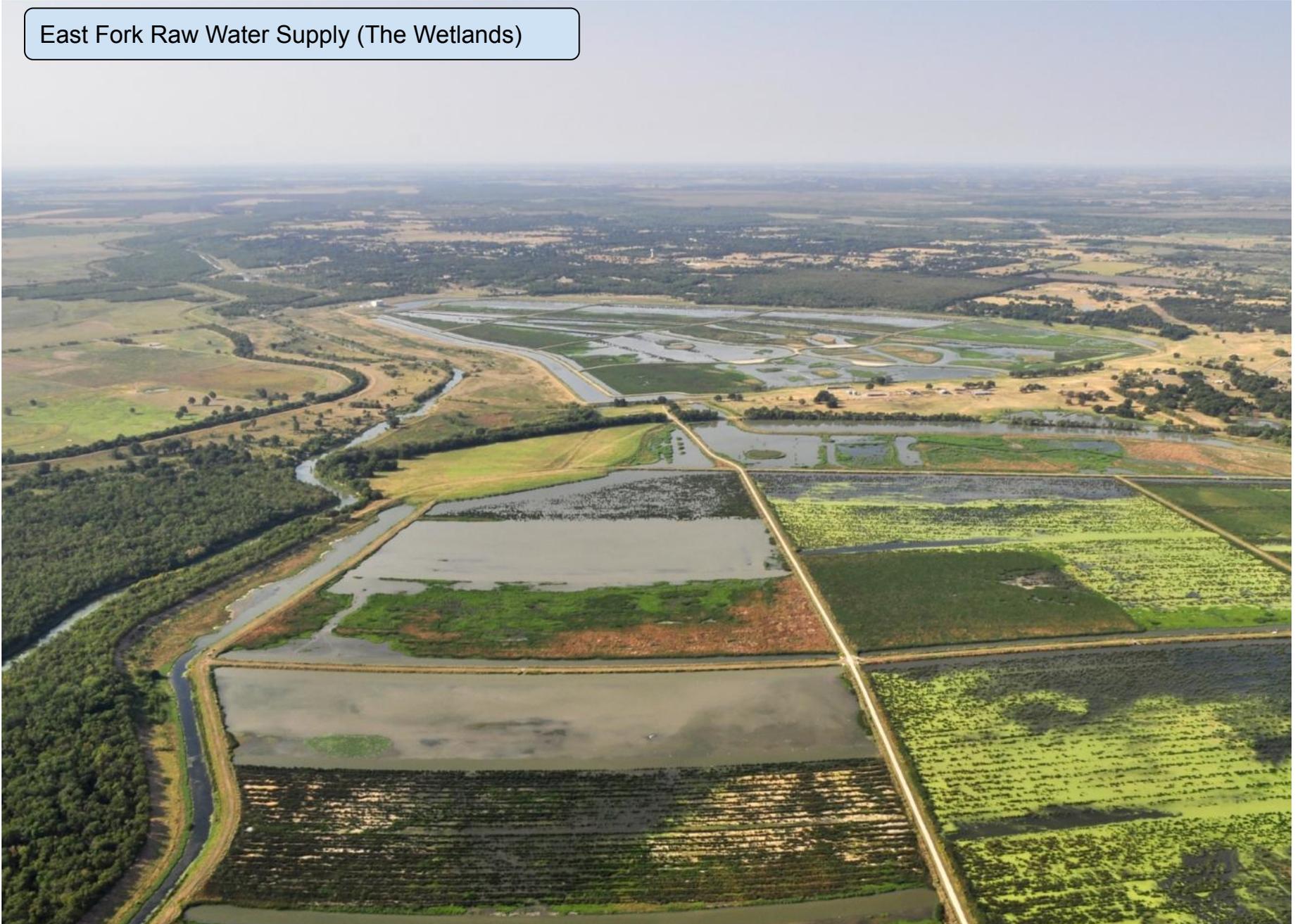
	<b>2019-20 Original</b>		<b>2019-20 Amended</b>		<b>2020-21 Proposed</b>
<b>Fund Balance:</b>					
Beginning Balance	\$ -	-	\$ -	-	\$ 6,600,000
Transfer from Operating Fund	-		6,600,000		-
Transfer to Operating Fund	-		-		(2,550,000)
Ending Balance	\$ -	-	\$ 6,600,000	-	\$ 4,050,000

**Historical Balances:**

<b>Fiscal Year</b>	<b>Ending Balance</b>
2019	\$ -

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 770 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" 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 will begin 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, Water Conservation Program and Public Education 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. The Public Education Program provides education and outreach to bring awareness and support positive behavior-changing efforts across NTMWD services.

### FY2021 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.
- Increase knowledge and understanding within the NTMWD's service area of water's role in the sustainability and growth through various programs.
- Continue NTMWD's programs and education initiatives including Water IQ: Know Your Water, Water4Otter, WaterMyYard, Pledge to Plant Smart, Defend Your Drains, Doo The Right Thing and Clean-Drain-Dry.

#### **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.

- Continue collaboration with Texas A&M AgriLife Research and Extension Service to provide proven landscape best management practices for publications, community education classes, the monthly WFAA Green segment and the WaterMyYard irrigation tool to aid in educating healthy landscape practices that also reduces water use.
- Participate in community events to provide education and outreach for the vital services provided by NTMWD.
- Implement public education programs in partnership with Member Cities and Customers to affect positive behavior change in the public. Providing consistency throughout the region, NTMWD has developed partnerships with Member Cities and Customers through the development of NTMWD's Water Conservation Plan and Water Resource and Emergency Management Plan and the Model Water Conservation Plan and Water Resource and Emergency Management Plan.

**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**

<b>Plant Operations</b>			
<b>Full-Time Positions</b>	<b>FY20</b>	<b>FY21</b>	<b>Difference</b>
Administrative Technician	1.0	1.0	-
Asset Risk Manager	1.0	1.0	-
Assistant Deputy (Water)	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	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	2.0	-
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>83.0</b>	<b>-</b>

Expense Detail

Plant Operations	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 5,173,157	\$ 5,784,980	\$ 5,610,530	\$ 5,888,085	\$ 103,105	1.78%
511060 - Overtime	622,295	535,000	535,000	535,000	-	0.00%
512000 - Social Security	421,567	434,695	423,350	443,990	9,295	2.14%
513000 - Workers' Comp Ins	153,607	159,160	148,500	133,995	(25,165)	-15.81%
513010 - Unemployment Ins	3,214	-	-	-	-	0.00%
513020 - Hospitalization Ins	1,057,823	1,069,005	1,069,830	1,141,125	72,120	6.75%
513040 - Dental Ins	54,987	55,360	53,605	54,995	(365)	-0.66%
513060 - Life Ins	12,097	12,820	13,795	15,445	2,625	20.48%
514000 - Retirement	581,020	678,910	678,910	678,990	80	0.01%
514010 - Retiree - Insurance	118,530	118,445	118,445	118,460	15	0.01%
514020 - Comp Absences-vacation	46,530	41,335	41,335	24,985	(16,350)	-39.55%
514030 - Comp Absences-sick	48,665	65,595	65,595	28,445	(37,150)	-56.64%
515000 - Cell Phone Stipend	30,440	30,720	30,720	32,640	1,920	6.25%
<b>Personnel Total</b>	<b>\$ 8,323,932</b>	<b>\$ 8,986,025</b>	<b>\$ 8,789,615</b>	<b>\$ 9,096,155</b>	<b>\$ 110,130</b>	<b>1.23%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 10,828	\$ 17,375	\$ 17,375	\$ 20,715	\$ 3,340	19.22%
520110 - Computer Supplies	67,250	77,695	77,695	87,075	9,380	12.07%
520200 - Xerox Supplies	13,143	7,700	7,700	14,000	6,300	81.82%
520300 - Clothing Supplies	42,347	51,025	51,025	49,400	(1,625)	-3.18%
520600 - Fuel, Oil and Lube	33,811	24,095	24,095	22,800	(1,295)	-5.37%
520700 - Machine Oil & Lube	32,989	23,270	23,270	23,270	-	0.00%
520800 - Small Tools & Equip	22,020	20,450	20,450	76,935	56,485	276.21%
521000 - Laboratory Supplies	73,756	63,030	83,030	69,030	6,000	9.52%
521110 - Safety Supplies	115,692	153,575	153,575	169,860	16,285	10.60%
521200 - Chem - Other	9,417	55,385	55,385	55,990	605	1.09%
521201 - Chem - Lime	239,244	877,730	890,910	1,011,655	133,925	15.26%
521202 - Chem - Ferric Sulfate	13,796,366	11,084,330	14,136,015	15,531,520	4,447,190	40.12%
521203 - Chem - Chlorine	1,168,500	1,214,385	1,231,735	1,391,410	177,025	14.58%
521204 - Chem - Ammonia	293,797	271,675	344,410	385,205	113,530	41.79%
521205 - Chem - Fluoride	2,548	312,660	513,130	403,025	90,365	28.90%
521209 - Chem - Polymers	458,292	1,059,530	1,029,200	1,050,565	(8,965)	-0.85%
521214 - Chem - Caustic	10,602,248	10,638,870	10,318,760	12,342,110	1,703,240	16.01%
521216 - Chem - Sodium Chlorite	1,659,191	2,811,675	3,041,700	3,092,680	281,005	9.99%
521218 - Chem - Liquid Oxygen	636,562	1,275,360	1,602,205	1,315,150	39,790	3.12%
521300 - Botanical Supplies	561	475	475	475	-	0.00%
521400 - Electrical Supplies	783,736	464,200	769,200	464,200	-	0.00%
521500 - Mechanical Supplies	676,969	535,000	645,000	535,000	-	0.00%
521600 - Pipeline Supplies	35,049	-	-	-	-	0.00%
521700 - Building Supplies	69,047	85,000	85,000	88,000	3,000	3.53%
521900 - Vehicle Supplies	10,008	12,930	12,930	12,930	-	0.00%
521910 - Tires and Tubes	5,874	7,870	7,870	7,870	-	0.00%
522000 - Equipment Supplies	199,379	271,190	321,190	271,190	-	0.00%
522200 - Road Maintenance Supp	92,232	86,000	86,000	123,500	37,500	43.60%
523000 - Other Supplies	19	75,000	75,000	75,000	-	0.00%
<b>Supplies Total</b>	<b>\$ 31,150,876</b>	<b>\$ 31,577,480</b>	<b>\$ 35,624,330</b>	<b>\$ 38,690,560</b>	<b>\$ 7,113,080</b>	<b>22.53%</b>

## Expense Detail (continued)

Plant Operations	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
530300 - Automotive Insurance	\$ 12,313	\$ 14,915	\$ 14,915	\$ 13,360	\$ (1,555)	-10.43%
530400 - Fire & Exten Cov Ins	340,425	398,545	398,545	504,270	105,725	26.53%
530900 - General Liability Ins	-	-	172,330	184,135	184,135	0.00%
531000 - Telephone	4,060	7,000	7,000	8,400	1,400	20.00%
531020 - Internet Service	50,945	23,280	32,680	35,880	12,600	54.12%
531100 - Electric Power	2,747,802	2,500,000	3,452,070	3,864,000	1,364,000	54.56%
531200 - Bank Service Fees	-	4,075	2,900	3,500	(575)	-14.11%
531300 - Engin/Consultant Svc	1,903,440	1,763,250	1,763,250	1,556,000	(207,250)	-11.75%
531310 - Special Studies & Rpts	751,168	358,500	358,500	112,500	(246,000)	-68.62%
531320 - Water Conservation Prog	1,011,594	1,837,185	1,744,035	2,000,420	163,235	8.89%
531400 - Legal Service	182,242	250,000	250,000	250,000	-	0.00%
531500 - Planning & Development	-	5,600	3,600	3,600	(2,000)	-35.71%
531600 - Printing & Binding	188	1,045	1,045	1,045	-	0.00%
531700 - Advertising	1,340	5,250	2,750	4,750	(500)	-9.52%
531800 - Rent or Lease Payment	29,501	9,500	54,500	40,000	30,500	321.05%
531810 - Demurrage	-	75,000	75,000	75,000	-	0.00%
531900 - Travel and Training	88,062	160,845	160,845	119,960	(40,885)	-25.42%
532000 - Mem & Subscriptions	60,378	64,515	64,515	64,745	230	0.36%
532100 - Vehicle Maint	7,181	4,505	4,505	4,505	-	0.00%
532110 - Veh Maint by Solid Waste	7,230	7,960	7,960	7,960	-	0.00%
532200 - Equipment Maintenance	507,976	948,500	948,500	948,500	-	0.00%
532210 - Special Maintenance	4,780,398	6,173,330	4,163,330	8,834,250	2,660,920	43.10%
532230 - Facilities Maintenance	100,642	505,500	505,500	605,500	100,000	19.78%
532300 - Postage	164	300	300	300	-	0.00%
532600 - Lake Maintenance	498,517	631,985	631,985	676,000	44,015	6.96%
532700 - Radio Maintenance	-	25,000	25,000	-	(25,000)	-100.00%
532850 - Building Maintenance	1,740	1,500	1,500	1,500	-	0.00%
532900 - Electrical Sys Maint	365,438	375,670	443,670	425,670	50,000	13.31%
533000 - Other Services	40,587	12,800	42,800	27,800	15,000	117.19%
533010 - Texoma O & M Cost	70,153	-	-	-	-	0.00%
533030 - Contractual Safety Serv	32,934	115,000	115,000	269,800	154,800	134.61%
533500 - Lab Svc - Contract	82,398	195,125	195,125	188,150	(6,975)	-3.57%
533900 - Permits, Ins, & Lic Fees	32,596	40,000	40,000	40,000	-	0.00%
534000 - Uninsured losses	149,607	1,000	25,895	1,000	-	0.00%
534200 - Plant Security Services	309,324	325,500	325,500	428,900	103,400	31.77%
Support Services	-	25,399,380	25,322,750	22,740,855	(2,658,525)	-10.47%
<b>Services Total</b>	<b>\$ 14,170,344</b>	<b>\$ 42,241,560</b>	<b>\$ 41,357,800</b>	<b>\$ 44,042,255</b>	<b>\$ 1,800,695</b>	<b>4.26%</b>

### Expense Detail (continued)

Plant Operations	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 52,469	\$ 91,500	\$ 91,500	\$ 77,000	(14,500)	-15.85%
540500 - Machinery	199,832	947,000	829,000	1,007,000	60,000	6.34%
542000 - Other Capital Outlay	-	-	-	240,000	240,000	0.00%
<b>Capital Outlay Total</b>	<b>\$ 252,301</b>	<b>\$ 1,038,500</b>	<b>\$ 920,500</b>	<b>\$ 1,324,000</b>	<b>\$ 285,500</b>	<b>27.49%</b>
<b>Grand Total</b>	<b>\$ 53,897,453</b>	<b>\$ 83,843,565</b>	<b>\$ 86,692,245</b>	<b>\$ 93,152,970</b>	<b>\$ 9,309,405</b>	<b>11.10%</b>

### Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$9,309,405 from the FY20 Original Budget. Major variances are explained below.

- Chemicals increased due to higher bids on new contracts.
- Special Maintenance increased due to additional lagoon cleanings.
- Electric Power increased based on demand and better alignment of power costs within the various system facilities.
- Other Capital Outlay increased as a result of stormwater best management practices (BMP) construction, specifically stormwater management features including rain gardens, pervious pavement, rainwater harvesting and more. This is funded through a grant from TCEQ.

## 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.

### FY2021 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	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520700 - Machine Oil & Lube	\$ 5,684	\$ 8,000	\$ 8,000	\$ 7,200	\$ (800)	-10.00%
521110 - Safety Supplies	-	500	500	500	-	0.00%
521400 - Electrical Supplies	6,580	15,000	15,000	42,950	27,950	186.33%
521500 - Mechanical Supplies	2,395	1,000	1,000	1,000	-	0.00%
521600 - Pipeline Supplies	30,288	50,000	45,000	48,000	(2,000)	-4.00%
521700 - Building Supplies	-	3,000	3,000	3,000	-	0.00%
<b>Supplies Total</b>	<b>\$ 44,947</b>	<b>\$ 77,500</b>	<b>\$ 72,500</b>	<b>\$ 102,650</b>	<b>\$ 25,150</b>	<b>32.45%</b>
<b>Services</b>						
531000 - Telephone	\$ 1,823	\$ 1,700	\$ 1,700	\$ 2,000	\$ 300	17.65%
531100 - Electric Power	1,133,281	1,574,270	1,219,780	1,380,000	(194,270)	-12.34%
531103 - Recov-GTUA Power	(145,030)	(256,805)	(256,805)	(180,000)	76,805	-29.91%
532220 - Pipeline Maintenance	-	30,000	30,000	-	(30,000)	-100.00%
533000 - Other Services	7,371	19,000	19,000	61,320	42,320	222.74%
533030 - Contractual Safety Serv	-	2,000	2,000	2,000	-	0.00%
Support Services	32,750	645,185	701,880	604,055	(41,130)	-6.37%
<b>Services Total</b>	<b>\$1,030,196</b>	<b>\$2,015,350</b>	<b>\$1,717,555</b>	<b>\$1,869,375</b>	<b>\$ (145,975)</b>	<b>-7.24%</b>
<b>Grand Total</b>	<b>\$ 1,075,143</b>	<b>\$ 2,092,850</b>	<b>\$ 1,790,055</b>	<b>\$ 1,972,025</b>	<b>\$ (120,825)</b>	<b>-5.77%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has decreased by \$120,825 from the FY20 Original Budget. Major variances are explained below.

- Electrical Supplies increased to purchase static VAR compensator parts.
- Electric Power decreased due to lower demand.
- Support Services allocation decreased for FY21.

## 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.

### FY2021 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 mussel 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 these raw water system.

### Major Budget Drivers

- Power costs
- Infrastructure maintenance, improvements and repairs

### Expense Detail

Chapman Pump Station	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520700 - Machine Oil & Lube	\$ 4,690	\$ 5,400	\$ 5,400	\$ 5,400	\$ -	0.00%
521110 - Safety Supplies	306	500	500	500	-	0.00%
521400 - Electrical Supplies	(1)	9,500	111,900	9,500	-	0.00%
521500 - Mechanical Supplies	3,008	5,000	5,000	5,000	-	0.00%
521600 - Pipeline Supplies	47,298	55,350	55,350	49,400	(5,950)	-10.75%
521700 - Building Supplies	132	2,000	1,000	42,000	40,000	2000.00%
522000 - Equipment Supplies	1,380	2,000	1,000	2,000	-	0.00%
522200 - Road Maint Supplies	36,505	2,000	2,000	5,000	3,000	150.00%
525000 - Recovery - Supplies	(46,659)	(40,875)	(91,075)	(59,400)	(18,525)	45.32%
<b>Supplies Total</b>	<b>\$ 46,659</b>	<b>\$ 40,875</b>	<b>\$ 91,075</b>	<b>\$ 59,400</b>	<b>\$ 18,525</b>	<b>45.32%</b>
<b>Services</b>						
531000 - Telephone	\$ 932	\$ 900	\$ 900	\$ 1,200	\$ 300	33.33%
531100 - Electric Power	1,096,262	2,419,810	2,332,775	2,300,000	(119,810)	-4.95%
531101 - Recov-Sulp Springs Pwr	(55,269)	(118,770)	(118,770)	(100,000)	18,770	-15.80%
531102 - Recov-Irving Power	(683,912)	(1,045,620)	(1,045,620)	(1,400,000)	(354,380)	33.89%
531300 - Engin/Consultant Svc	-	50,000	50,000	20,000	(30,000)	-60.00%
532200 - Equipment Maintenance	49,273	-	-	2,500	2,500	0.00%
532210 - Special Maintenance	-	-	-	2,500	2,500	0.00%
532220 - Pipeline Maintenance	25,575	-	-	-	-	0.00%
532800 - Grounds Maintenance	49,248	45,000	45,000	67,000	22,000	48.89%
532900 - Electrical Sys Maint	425	5,000	3,500	5,000	-	0.00%
533000 - Other Services	4,926	5,000	3,500	10,500	5,500	110.00%
533030 - Contractual Safety Serv	-	5,500	5,500	5,500	-	0.00%
533900 - Permits, Ins, & Lic Fees	650	500	500	500	-	0.00%
535000 - Recovery - Contractual	(86,391)	(103,180)	(135,630)	(165,590)	(62,410)	60.49%
Support Services	41,752	94,460	162,360	216,480	122,020	129.18%
<b>Services Total</b>	<b>\$ 443,471</b>	<b>\$ 1,358,600</b>	<b>\$ 1,304,015</b>	<b>\$ 965,590</b>	<b>\$ (393,010)</b>	<b>-28.93%</b>
<b>Escrow</b>						
550660 - Rsv for Maintenance	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ -	0.00%
551000 - Recovery - Irving Escrow	(50,000)	(50,000)	(50,000)	(50,000)	-	0.00%
<b>Escrow Total</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>0.00%</b>
<b>Grand Total</b>	<b>\$ 540,130</b>	<b>\$ 1,449,475</b>	<b>\$ 1,445,090</b>	<b>\$ 1,074,990</b>	<b>\$ (374,485)</b>	<b>-25.84%</b>

### Major FY21 Budget Items

The department's FY21 Proposed Budget has decreased by \$374,485 from the FY20 Original Budget. Major variances are explained below.

- Electrical Power decreased based on trending.
- Support Services increased for planned maintenance and a more accurate cost allocation at the facility.

## 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.

### FY2021 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	FY20	FY21	Difference
Lead Water Plant Operator	1.0	1.0	-
Water Plant Mechanic	1.0	1.0	-
Water Plant Operator II	7.0	6.0	(1.0)
Water Plant Operator III	2.0	2.0	-
Water Plant Supervisor II	1.0	1.0	-
<b>Total Full-Time Positions</b>	<b>12.0</b>	<b>11.0</b>	<b>(1.0)</b>

### Expense Detail

Tawakoni Pump Station	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 625,606	\$ 684,050	\$ 680,870	\$ 618,180	\$ (65,870)	-9.63%
511060 - Overtime	87,572	85,000	85,000	85,000	-	0.00%
512000 - Social Security	52,061	52,330	52,345	47,285	(5,045)	-9.64%
513000 - Workers' Comp Ins	26,044	26,650	25,395	20,250	(6,400)	-24.02%
513020 - Hospitalization Ins	174,810	177,295	169,040	157,840	(19,455)	-10.97%
513040 - Dental Ins	8,330	8,660	8,440	7,905	(755)	-8.72%
513060 - Life Ins	1,508	1,555	1,705	1,670	115	7.40%
514000 - Retirement	74,615	80,280	80,280	79,090	(1,190)	-1.48%
514010 - Retiree - Insurance	15,220	14,005	14,005	13,800	(205)	-1.46%
514020 - Comp Absences-vacation	-	-	-	4,415	4,415	0.00%
514030 - Comp Absences-sick	-	2,110	2,110	9,960	7,850	372.04%
515000 - Cell Phone Stipend	4,360	4,320	4,320	3,840	(480)	-11.11%
<b>Personnel Total</b>	<b>\$ 1,070,127</b>	<b>\$ 1,136,255</b>	<b>\$ 1,123,510</b>	<b>\$ 1,049,235</b>	<b>\$ (87,020)</b>	<b>-7.66%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 750	\$ 750	\$ 750	\$ 900	\$ 150	20.00%
520110 - Computer Supplies	3,878	7,060	7,060	10,560	3,500	49.58%
520300 - Clothing Supplies	5,438	4,530	4,530	5,500	970	21.41%
520600 - Fuel, Oil and Lube	4,328	4,550	4,550	4,500	(50)	-1.10%
520700 - Machine Oil & Lube	347	1,500	1,500	1,200	(300)	-20.00%
520800 - Small Tools & Equip	1,139	950	950	1,000	50	5.26%
521000 - Laboratory Supplies	8,145	12,000	12,000	10,340	(1,660)	-13.83%
521110 - Safety Supplies	4,177	17,900	17,900	15,900	(2,000)	-11.17%
521200 - Chem - Other	(3,198)	51,750	38,255	41,490	(10,260)	-19.83%
521201 - Chem - Lime	113,313	180,055	129,230	276,530	96,475	53.58%
521202 - Chem - Ferric Sulfate	370,233	579,890	410,385	475,785	(104,105)	-17.95%
521203 - Chem - Chlorine	115,305	191,565	140,990	141,045	(50,520)	-26.37%
521204 - Chem - Ammonia	28,956	48,200	35,665	35,950	(12,250)	-25.41%
521205 - Chem - Fluoride	5,921	22,590	17,365	16,850	(5,740)	-25.41%
521209 - Chem - Polymers	40,846	58,880	29,025	43,920	(14,960)	-25.41%
521216 - Chem - Sodium Chlorite	77,435	211,790	138,535	157,965	(53,825)	-25.41%
521218 - Chem - Liquid Oxygen	38,471	147,075	100,620	109,700	(37,375)	-25.41%
521300 - Botanical Supplies	521	450	450	500	50	11.11%
521400 - Electrical Supplies	26,856	30,000	30,000	35,000	5,000	16.67%
521500 - Mechanical Supplies	23,991	20,000	20,000	25,000	5,000	25.00%
521600 - Pipeline Supplies	60	2,375	2,375	3,000	625	26.32%

Expense Detail (continued)

Tawakoni Pump Station	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies (continued)</b>						
521700 - Building Supplies	\$ 3,435	\$ 950	\$ 950	\$ 1,000	\$ 50	5.26%
521900 - Vehicle Supplies	1,533	950	950	950	-	0.00%
521910 - Tires and Tubes	568	800	800	600	(200)	-25.00%
522000 - Equipment Supplies	22,041	37,800	37,800	37,800	-	0.00%
522200 - Road Maint Supplies	-	1,500	1,500	1,500	-	0.00%
<b>Supplies Total</b>	<b>\$ 894,491</b>	<b>\$ 1,635,860</b>	<b>\$ 1,184,135</b>	<b>\$ 1,454,485</b>	<b>\$ (181,375)</b>	<b>-11.09%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 1,422	\$ 1,545	\$ 1,545	\$ 1,435	\$ (110)	-7.12%
530400 - Fire & Exten Cov Ins	51,947	61,575	61,575	71,325	9,750	15.83%
531000 - Telephone	5,887	4,500	4,500	6,000	1,500	33.33%
531020 - Internet Service	24,781	25,000	25,000	25,000	-	0.00%
531100 - Electric Power	2,004,453	4,528,605	3,678,245	3,616,000	(912,605)	-20.15%
531130 - Wholesale Water Purch	1,691,226	4,401,905	2,129,670	2,961,045	(1,440,860)	-32.73%
531300 - Engin/Consultant Svc	-	-	-	18,000	18,000	0.00%
531800 - Rent or Lease Payment	-	1,000	1,000	2,000	1,000	100.00%
531900 - Travel and Training	4,225	5,100	5,100	3,700	(1,400)	-27.45%
532000 - Mem & Subscriptions	75	600	600	230	(370)	-61.67%
532100 - Vehicle Maint	1,261	-	-	-	-	0.00%
532110 - Veh Maint by Solid Waste	920	450	450	1,500	1,050	233.33%
532200 - Equipment Maintenance	20,131	150,000	90,000	275,200	125,200	83.47%
532210 - Special Maintenance	-	14,000	14,000	10,000	(4,000)	-28.57%
532220 - Pipeline Maintenance	-	7,000	7,000	7,000	-	0.00%
532230 - Facilities Maintenance	3,800	9,000	9,000	39,000	30,000	333.33%
532700 - Radio Maintenance	-	1,000	1,000	1,000	-	0.00%
532800 - Grounds Maintenance	36,627	31,200	31,200	41,000	9,800	31.41%
532900 - Electrical Sys Maint	102,388	45,000	145,000	300,000	255,000	566.67%
533000 - Other Services	41,460	57,400	57,400	115,520	58,120	101.25%
533030 - Contractual Safety Serv	2,720	4,000	4,000	4,000	-	0.00%
533500 - Lab Svc - Contract	11,754	14,820	14,820	12,400	(2,420)	-16.33%
533900 - Permits, Ins, & Lic Fees	3,419	1,500	1,500	2,000	500	33.33%
Support Services	-	2,892,655	2,932,345	2,488,265	(404,390)	-13.98%
<b>Services Total</b>	<b>\$ 4,008,495</b>	<b>\$12,257,855</b>	<b>\$ 9,214,950</b>	<b>\$10,001,620</b>	<b>\$ (2,256,235)</b>	<b>-18.41%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ -	\$ -	\$ -	\$ 38,500	\$ 38,500	0.00%
<b>Capital Outlay Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 38,500</b>	<b>\$ 38,500</b>	<b>0.00%</b>
<b>Grand Total</b>	<b>\$ 5,973,113</b>	<b>\$15,029,970</b>	<b>\$11,522,595</b>	<b>\$12,543,840</b>	<b>\$ (2,486,130)</b>	<b>-16.54%</b>

Major FY21 Budget Items

The department's FY21 Proposed Budget has decreased by \$2,486,130 from the FY20 Original Budget. Major variances are explained below.

- Electric Power decreased based on less expected water usage and Chemicals decreased based on reduction of volume treated.
- Wholesale Water Purchases decreased as a result of a lower amount needed for DWU transport.

## 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 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 Wetlands is blended with water in Lavon Lake and treated at the Wylie Water Treatment Plant Complex.

### FY2021 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	FY20	FY21	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	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 326,895	\$ 343,375	\$ 352,495	\$ 343,040	\$ (335)	-0.10%
511060 - Overtime	462	1,500	1,500	1,500	-	0.00%
512000 - Social Security	23,795	26,275	25,695	26,250	(25)	-0.10%
513000 - Workers' Comp Ins	12,142	13,380	12,930	11,235	(2,145)	-16.03%
513020 - Hospitalization Ins	73,128	73,130	76,120	78,255	5,125	7.01%
513040 - Dental Ins	5,323	5,350	5,350	5,350	-	0.00%
513060 - Life Ins	806	805	910	960	155	19.25%
514000 - Retirement	37,335	40,300	40,300	39,690	(610)	-1.51%
514010 - Retiree - Insurance	7,615	7,030	7,030	6,925	(105)	-1.49%
514020 - Comp Absences-vacation	1,450	3,035	3,035	-	(3,035)	-100.00%
515000 - Cell Phone Stipend	960	960	960	2,880	1,920	200.00%
<b>Personnel Total</b>	<b>\$ 489,912</b>	<b>\$ 515,140</b>	<b>\$ 526,325</b>	<b>\$ 516,085</b>	<b>\$ 945</b>	<b>0.18%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 85	\$ 200	\$ 200	\$ 200	-	0.00%
520110 - Computer Supplies	2,202	3,800	3,800	6,800	3,000	78.95%
520300 - Clothing Supplies	6,906	6,000	6,000	6,000	-	0.00%
520600 - Fuel, Oil and Lube	13,845	21,000	21,000	19,400	(1,600)	-7.62%
520630 - Toll Fees	81	-	-	-	-	0.00%
520700 - Machine Oil & Lube	7,464	10,000	10,000	10,000	-	0.00%
520800 - Small Tools & Equip	3,895	3,200	3,200	3,800	600	18.75%
520810 - Fire Extinguishers	479	200	200	500	300	150.00%
520820 - Expendable Supplies	6,268	6,000	6,000	6,000	-	0.00%
520900 - Janitorial Supplies	35	270	270	200	(70)	-25.93%
521000 - Laboratory Supplies	329	400	400	400	-	0.00%
521110 - Safety Supplies	3,531	3,500	3,500	3,500	-	0.00%
521300 - Botanical Supplies	3,514	1,400	1,400	3,500	2,100	150.00%
521400 - Electrical Supplies	18,423	10,000	60,000	18,000	8,000	80.00%
521500 - Mechanical Supplies	2,940	66,000	16,000	46,000	(20,000)	-30.30%
521600 - Pipeline Supplies	-	4,500	4,500	4,500	-	0.00%
521700 - Building Supplies	8,314	15,000	9,000	12,000	(3,000)	-20.00%
521900 - Vehicle Supplies	1,339	2,000	2,000	1,500	(500)	-25.00%
521910 - Tires and Tubes	14,828	4,200	4,200	4,200	-	0.00%
522000 - Equipment Supplies	2,598	5,000	5,000	5,000	-	0.00%
522200 - Road Maintenance Supplies	10,217	25,000	25,000	20,000	(5,000)	-20.00%
523000 - Other Supplies	-	1,500	1,500	1,500	-	0.00%
<b>Supplies Total</b>	<b>\$ 107,296</b>	<b>\$ 189,170</b>	<b>\$ 183,170</b>	<b>\$ 173,000</b>	<b>\$ (16,170)</b>	<b>-8.55%</b>

Expense Detail (continued)

The Wetlands Operations	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
530300 - Automotive Insurance	\$ 5,990	\$ 5,390	\$ 5,390	\$ 6,400	\$ 1,010	18.74%
530400 - Fire & Exten Cov Ins	19,042	22,570	22,570	26,145	3,575	15.84%
531000 - Telephone	5,582	6,900	6,900	6,900	-	0.00%
531020 - Internet Service	1,675	1,440	1,440	1,440	-	0.00%
531100 - Electric Power	177,008	2,763,745	2,531,775	2,547,600	(216,145)	-7.82%
531120 - Retail Water Service	473	500	500	500	-	0.00%
531130 - Wholesale Water Purch	3,697,951	3,175,780	3,175,780	3,179,170	3,390	0.11%
531300 - Engin/Consultant Svc	-	-	-	5,000	5,000	0.00%
531310 - Special Studies & Rpts	101,576	206,000	206,000	223,000	17,000	8.25%
531400 - Legal Service	2,505	-	-	-	-	0.00%
531800 - Rent or Lease Payment	2,790	1,900	1,900	1,500	(400)	-21.05%
531900 - Travel and Training	3,245	2,850	2,850	3,700	850	29.82%
532100 - Vehicle Maint	2,821	950	8,050	1,500	550	57.89%
532110 - Veh Maint by Solid Waste	3,648	2,000	2,000	4,000	2,000	100.00%
532200 - Equipment Maintenance	42,750	60,000	40,900	216,000	156,000	260.00%
532220 - Pipeline Maintenance	-	35,000	35,000	30,000	(5,000)	-14.29%
532230 - Facilities Maintenance	20,646	25,500	5,500	25,500	-	0.00%
532240 - Nature Center	162,165	213,000	213,000	204,000	(9,000)	-4.23%
532900 - Electrical Sys Maint	80,772	141,000	61,000	141,000	-	0.00%
533000 - Other Services	222,352	66,320	26,320	66,320	-	0.00%
533020 - Contract Labor	200,000	100,000	100,000	150,000	50,000	50.00%
533500 - Lab Svc - Contract	-	500	500	500	-	0.00%
534200 - Plant Security Services	20,532	20,000	20,000	21,000	1,000	5.00%
Support Services	-	1,887,875	1,889,745	1,787,185	(100,690)	-5.33%
<b>Services Total</b>	<b>\$ 4,773,523</b>	<b>\$ 8,739,220</b>	<b>\$ 8,357,120</b>	<b>\$ 8,648,360</b>	<b>\$ (90,860)</b>	<b>-1.04%</b>
<b>Capital Outlay</b>						
540200 - Building	\$ -	\$ 35,000	\$ 66,000	\$ 35,000	\$ -	0.00%
540300 - Vehicle Equipment	-	18,000	18,000	-	(18,000)	-100.00%
540700 - Non-Vehicle Equipment	-	-	-	18,000	18,000	0.00%
<b>Capital Outlay Total</b>	<b>\$ -</b>	<b>\$ 53,000</b>	<b>\$ 84,000</b>	<b>\$ 53,000</b>	<b>\$ -</b>	<b>0.00%</b>
<b>Grand Total</b>	<b>\$ 5,370,731</b>	<b>\$ 9,496,530</b>	<b>\$ 9,150,615</b>	<b>\$ 9,390,445</b>	<b>\$ (106,085)</b>	<b>-1.12%</b>

Major FY21 Budget Items

The department's FY21 Proposed Budget has decreased by \$106,085 from the FY20 Original Budget. Major variances are explained below.

- Electric Power decreased based on lower demand.
- Equipment Maintenance increased due to conveyance HVAC repair/addition of a required new pump.
- Supports Services allocation decreased for FY21.

## 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.

### FY2021 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 improves 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	FY20	FY21	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	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 599,848	\$ 647,950	\$ 652,485	\$ 613,160	\$ (34,790)	-5.37%
511060 - Overtime	93,971	80,000	80,000	80,000	-	0.00%
512000 - Social Security	50,211	49,560	50,705	46,910	(2,650)	-5.35%
513000 - Workers' Comp Ins	25,593	25,255	24,650	20,095	(5,160)	-20.43%
513020 - Hospitalization Ins	154,426	154,430	160,745	153,745	(685)	-0.44%
513040 - Dental Ins	8,087	8,135	8,130	7,825	(310)	-3.81%
513060 - Life Ins	1,443	1,460	1,630	1,660	200	13.70%
514000 - Retirement	69,285	76,040	76,040	74,985	(1,055)	-1.39%
514010 - Retiree - Insurance	14,135	13,265	13,265	13,085	(180)	-1.36%
514020 - Comp Absences-vacation	-	5,870	5,870	12,285	6,415	109.28%
514030 - Comp Absences-sick	3,230	1,365	1,365	30,110	28,745	2105.86%
515000 - Cell Phone Stipend	1,920	1,920	1,920	2,880	960	50.00%
<b>Personnel Total</b>	<b>\$1,022,148</b>	<b>\$ 1,065,250</b>	<b>\$ 1,076,805</b>	<b>\$ 1,056,740</b>	<b>\$ (8,510)</b>	<b>-0.80%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 822	\$ 550	\$ 550	\$ 550	\$ -	0.00%
520110 - Computer Supplies	2,126	4,425	4,425	4,000	(425)	-9.60%
520300 - Clothing Supplies	7,797	4,800	4,800	7,000	2,200	45.83%
520600 - Fuel, Oil and Lube	2,730	2,800	2,800	2,800	-	0.00%
520700 - Machine Oil & Lube	-	605	605	605	-	0.00%
520800 - Small Tools & Equip	1,327	630	630	700	70	11.11%
521000 - Laboratory Supplies	13,266	15,000	15,000	15,000	-	0.00%
521110 - Safety Supplies	9,736	14,280	14,280	12,000	(2,280)	-15.97%
521200 - Chem - Other	13,497	15,015	12,765	15,180	165	1.10%
521201 - Chem - Lime	29,423	41,695	35,715	86,800	45,105	108.18%
521202 - Chem - Ferric Sulfate	53,041	69,690	61,405	77,450	7,760	11.14%
521203 - Chem - Chlorine	21,977	27,855	25,055	28,160	305	1.09%
521204 - Chem - Ammonia	3,838	5,225	4,915	5,280	55	1.05%
521205 - Chem - Fluoride	793	2,090	2,290	2,110	20	0.96%
521209 - Chem - Polymers	4,259	7,570	5,350	7,655	85	1.12%
521216 - Chem - Sodium Chlorite	15,339	39,085	31,155	39,515	430	1.10%
521218 - Chem - Liquid Oxygen	2,697	16,555	6,040	16,740	185	1.12%
521300 - Botanical Supplies	-	150	150	150	-	0.00%
521400 - Electrical Supplies	19,079	16,600	16,600	16,600	-	0.00%
521500 - Mechanical Supplies	9,745	25,450	25,450	18,950	(6,500)	-25.54%
521600 - Pipeline Supplies	152	1,500	1,500	1,000	(500)	-33.33%
521700 - Building Supplies	1,224	900	900	1,100	200	22.22%
521900 - Vehicle Supplies	398	450	450	450	-	0.00%
521910 - Tires and Tubes	556	500	500	500	-	0.00%
522000 - Equipment Supplies	41,414	37,000	37,000	34,000	(3,000)	-8.11%
522200 - Road Maintenance Supplies	(28)	1,500	1,500	1,500	-	0.00%
523000 - Other Supplies	98	1,400	1,400	1,400	-	0.00%
<b>Supplies Total</b>	<b>\$ 255,306</b>	<b>\$ 353,320</b>	<b>\$ 313,230</b>	<b>\$ 397,195</b>	<b>\$ 43,875</b>	<b>12.42%</b>

Expense Detail (continued)

Bonham WTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
530300 - Automotive Insurance	\$ 1,422	\$ 1,545	\$ 1,545	\$ 1,435	\$ (110)	-7.12%
530400 - Fire & Exten Cov Ins	10,102	11,795	11,795	13,665	1,870	15.85%
531000 - Telephone	3,043	3,500	3,500	3,500	-	0.00%
531020 - Internet Service	1,835	1,700	1,700	2,100	400	23.53%
531100 - Electric Power	64,305	80,590	74,400	74,100	(6,490)	-8.05%
531300 - Engin/Consultant Svc	-	-	-	18,000	18,000	0.00%
531310 - Special Studies & Rpts	-	500	500	500	-	0.00%
531800 - Rent or Lease Payment	-	1,500	1,500	1,500	-	0.00%
531900 - Travel and Training	1,856	4,500	4,500	3,500	(1,000)	-22.22%
532000 - Mem & Subscriptions	576	500	500	570	70	14.00%
532100 - Vehicle Maint	216	-	-	-	-	0.00%
532110 - Veh Maint by Solid Waste	425	510	510	510	-	0.00%
532200 - Equipment Maintenance	27,358	5,000	5,000	9,000	4,000	80.00%
532210 - Special Maintenance	9,800	5,000	5,000	5,000	-	0.00%
532700 - Radio Maintenance	-	500	500	500	-	0.00%
532900 - Electrical Sys Maint	15,108	30,000	30,000	20,000	(10,000)	-33.33%
533000 - Other Services	29,832	27,225	27,225	144,860	117,635	432.08%
533030 - Contractual Safety Serv	-	3,000	3,000	4,000	1,000	33.33%
533500 - Lab Svc - Contract	17,380	15,980	15,980	13,800	(2,180)	-13.64%
533900 - Permits, Ins, & Lic Fees	1,448	2,100	2,100	2,100	-	0.00%
Support Services	-	950,085	944,155	787,275	(162,810)	-17.14%
<b>Services Total</b>	<b>\$ 184,706</b>	<b>\$ 1,145,530</b>	<b>\$ 1,133,410</b>	<b>\$ 1,105,915</b>	<b>\$ (39,615)</b>	<b>-3.46%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ -	\$ -	\$ -	\$ 38,500	\$ 38,500	0.00%
<b>Capital Outlay Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 38,500</b>	<b>\$ 38,500</b>	<b>0.00%</b>
<b>Grand Total</b>	<b>\$ 1,462,161</b>	<b>\$ 2,564,100</b>	<b>\$ 2,523,445</b>	<b>\$ 2,598,350</b>	<b>\$ 34,250</b>	<b>1.34%</b>

Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$34,250 from the FY20 Original Budget. Major variances are explained below.

- Other Services increased due to perimeter fence repair and chemical cleaning of 2 filters.
- Chemicals increased based on increased flows.
- Supports Services allocation decreased for FY21.

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, discharge channel, pump station and NTMWD-owned lake facilities. The department also manages the development 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.

The BDL Department is the primary interface between the public and this new asset that has a great regional, ecological and recreation significance. The BDL Department oversees permitting and other activities surrounding the lake and has the primary responsibility to protect water quality and intervene as appropriate when unauthorized and non-compatible activities are identified around the lake.

### FY2021 Department Objectives (Supporting Strategic Goals)

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

- Construct and open the Bois d'Arc Lake offices.
- Develop and implement a Shoreline Management and Lake Operations Plan.
- Meet or exceed all 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.
- Work with Fannin County, surrounding communities and property owners on implementing a successful Shoreline Management Plan.
- Develop and implement the Emergency Management Plans associated with Bois d'Arc Lake.
- Develop 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 the agencies within Fannin County.

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

- Hire the initial Bois d'Arc Lake Program team members.
- 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

- New Department Initiation
- Impoundment of water in early 2021
- Personnel
- Equipment / Supplies / Services

### Position Summary

<b>Bois d’Arc Lake Department</b>			
<b>Full-Time Positions</b>	<b>FY20</b>	<b>FY21</b>	<b>Difference</b>
Bois d’Arc Lake Operator II	-	1.0	1.0
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>2.0</b>	<b>3.0</b>	<b>1.0</b>

**Expense Detail**

<b>Bois d’Arc Lake Department</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2019-20</b>	<b>2020-21</b>	<b>Variance \$</b>	<b>Variance %</b>
<b>Expense Category</b>	<b>Actual</b>	<b>Original Budget</b>	<b>Amended Budget</b>	<b>Proposed Budget</b>	<b>To Original Budget</b>	<b>To Original Budget</b>
<b>Personnel</b>						
510000 - Wages	\$ -	\$ 129,860	\$ 76,110	\$ 156,595	\$ 26,735	20.59%
512000 - Social Security	-	9,935	5,825	11,980	2,045	20.58%
513000 - Workers’ Comp Ins	-	2,535	2,775	5,130	2,595	102.37%
513020 - Hospitalization Ins	-	16,340	8,745	24,050	7,710	47.18%
513040 - Dental Ins	-	540	315	745	205	37.96%
513060 - Life Ins	-	300	200	435	135	45.00%
514000 - Retirement	-	15,240	15,240	25,765	10,525	69.06%
514010 - Retiree - Insurance	-	2,660	2,660	4,495	1,835	68.98%
515000 - Cell Phone Stipend	-	960	960	480	(480)	-50.00%
<b>Personnel Total</b>	<b>\$ -</b>	<b>\$ 178,370</b>	<b>\$ 112,830</b>	<b>\$ 229,675</b>	<b>\$ 51,305</b>	<b>28.76%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ -	\$ 3,995	\$ 3,995	\$ 15,290	\$ 11,295	282.73%
520110 - Computer Supplies	-	32,310	32,310	125,730	93,420	289.14%
520200 - Xerox Supplies	-	-	-	9,425	9,425	0.00%
520300 - Clothing Supplies	-	555	555	2,750	2,195	395.50%
520600 - Fuel, Oil and Lube	-	4,950	4,950	23,000	18,050	364.65%
520700 - Machine Oil & Lube	-	-	-	3,500	3,500	0.00%
520800 - Small Tools & Equip	-	1,690	1,690	19,520	17,830	1055.03%
520900 - Janitorial Supplies	-	-	-	2,200	2,200	0.00%
521110 - Safety Supplies	-	6,170	6,170	65,320	59,150	958.67%
521300 - Botanical Supplies	-	-	-	15,000	15,000	0.00%
521400 - Electrical Supplies	-	-	-	2,000	2,000	0.00%
521500 - Mechanical Supplies	-	-	-	10,000	10,000	0.00%
521700 - Building Supplies	-	-	-	10,000	10,000	0.00%
521900 - Vehicle Supplies	-	11,320	11,320	28,530	17,210	152.03%
521910 - Tires and Tubes	-	1,030	1,030	18,500	17,470	1696.12%
522000 - Equipment Supplies	-	-	4,245	-	-	0.00%
<b>Supplies Total</b>	<b>\$ -</b>	<b>\$ 62,020</b>	<b>\$ 66,265</b>	<b>\$ 350,765</b>	<b>\$ 288,745</b>	<b>465.57%</b>

Expense Detail (continued)

Bois d'Arc Lake Department	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
530300 - Automotive Insurance	\$ -	\$ 1,070	\$ 1,070	\$ 2,915	\$ 1,845	172.43%
531000 - Telephone	-	-	-	4,200	4,200	0.00%
531020 - Internet Service	-	1,620	1,620	27,000	25,380	1566.67%
531100 - Electric Power	-	-	-	446,200	446,200	0.00%
531120 - Retail Water Service	-	-	-	9,000	9,000	0.00%
531300 - Engin/Consultant Svc	-	240,000	240,000	559,000	319,000	132.92%
531400 - Legal Service	-	5,000	5,000	25,000	20,000	400.00%
531490 - Raw Water Development	-	300,000	300,000	-	(300,000)	-100.00%
531700 - Advertising	-	950	950	2,500	1,550	163.16%
531900 - Travel and Training	-	7,335	7,335	6,785	(550)	-7.50%
532000 - Mem & Subscriptions	-	4,665	4,665	1,760	(2,905)	-62.27%
532100 - Vehicle Maint	-	4,040	4,040	5,840	1,800	44.55%
532110 - Veh Maint by Solid Waste	-	1,500	1,500	5,000	3,500	233.33%
532200 - Equipment Maintenance	-	-	-	4,500	4,500	0.00%
532210 - Special Maintenance	-	-	-	5,000	5,000	0.00%
532230 - Facilities Maintenance	-	-	-	5,000	5,000	0.00%
532300 - Postage	-	500	500	500	-	0.00%
532600 - Lake Maintenance	-	-	-	27,000	27,000	0.00%
532800 - Grounds Maintenance	-	-	-	30,500	30,500	0.00%
532850 - Building Maintenance	-	-	-	4,300	4,300	0.00%
533000 - Other Services	-	-	-	812,500	812,500	0.00%
533020 - Contract Labor	-	100,000	100,000	695,000	595,000	595.00%
Support Services	-	2,196,525	2,189,570	3,124,560	928,035	42.25%
<b>Services Total</b>	<b>\$ -</b>	<b>\$ 2,863,205</b>	<b>\$ 2,856,250</b>	<b>\$ 5,804,060</b>	<b>\$ 2,940,855</b>	<b>102.71%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ -	\$ 77,000	\$ 77,000	\$ -	\$ (77,000)	-100.00%
540700 - Non-Vehicle Equipment	-	45,000	40,755	-	(45,000)	-100.00%
<b>Capital Outlay Total</b>	<b>\$ -</b>	<b>\$ 122,000</b>	<b>\$ 117,755</b>	<b>\$ -</b>	<b>\$ (122,000)</b>	<b>-100.00%</b>
<b>Grand Total</b>	<b>\$ -</b>	<b>\$ 3,225,595</b>	<b>\$ 3,153,100</b>	<b>\$ 6,384,500</b>	<b>\$ 3,158,905</b>	<b>97.93%</b>

Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$3,158,905 from the FY20 Original Budget. Major variances are explained below.

- Other Services increased due to BDL-Fannin County Agreements.
- Electric Power increased as a result of the new account for the lake office and maintenance facilities.
- Contract Labor increased due to increased dam inspections and outsourcing operations, maintenance and wild animal management.
- Engineering/Consultant Services increased for development of BDL including shoreline management plan support, aerial surveys, policy development, marina development and water quality monitoring.

## Leonard Water Treatment Plant

### Overview

The Leonard Water Treatment Plant (WTP) will be a 70 MGD plant (ultimate build-out to 280 MGD) and will be commissioned in 2021. 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.

### FY2021 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	FY20	FY21	Difference
Lead Water Plant Operator	2.0	2.0	-
Water Plant Operator II	4.0	5.0	1.0
Water Treatment Plant Manager	1.0	1.0	-
<b>Total Full-Time Positions</b>	<b>7.0</b>	<b>8.0</b>	<b>1.0</b>

Expense Detail

Leonard WTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ -	\$ 379,180	\$ 219,430	\$ 382,900	\$ 3,720	0.98%
512000 - Social Security	-	29,000	16,480	29,295	295	1.02%
513000 - Workers' Comp Ins	-	14,775	7,845	12,560	(2,215)	-14.99%
513020 - Hospitalization Ins	-	57,190	30,610	67,775	10,585	18.51%
513040 - Dental Ins	-	1,890	1,105	2,095	205	10.85%
513060 - Life Ins	-	905	570	1,070	165	18.23%
514000 - Retirement	-	44,500	44,500	77,795	33,295	74.82%
514010 - Retiree - Insurance	-	7,765	7,765	13,575	5,810	74.82%
515000 - Cell Phone Stipend	-	3,360	3,360	1,320	(2,040)	-60.71%
<b>Personnel Total</b>	<b>\$ -</b>	<b>\$ 538,565</b>	<b>\$ 331,665</b>	<b>\$ 588,385</b>	<b>\$ 49,820</b>	<b>9.25%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ -	\$ -	\$ -	\$ 15,425	\$ 15,425	0.00%
520110 - Computer Supplies	-	-	-	38,340	38,340	0.00%
520200 - Xerox Supplies	-	-	-	16,210	16,210	0.00%
520300 - Clothing Supplies	-	-	5,000	10,090	10,090	0.00%
520600 - Fuel, Oil and Lube	-	-	-	3,670	3,670	0.00%
520700 - Machine Oil & Lube	-	-	-	8,000	8,000	0.00%
520800 - Small Tools & Equip	-	-	-	72,240	72,240	0.00%
521000 - Laboratory Supplies	-	-	-	17,760	17,760	0.00%
521110 - Safety Supplies	-	-	5,000	74,280	74,280	0.00%
521200 - Chem - Other	-	-	-	30,465	30,465	0.00%
521201 - Chem - Lime	-	-	-	34,240	34,240	0.00%
521202 - Chem - Ferric Sulfate	-	-	-	319,040	319,040	0.00%
521203 - Chem - Chlorine	-	-	-	24,010	24,010	0.00%
521204 - Chem - Ammonia	-	-	-	4,840	4,840	0.00%
521205 - Chem - Fluoride	-	-	-	8,370	8,370	0.00%
521209 - Chem - Polymers	-	-	-	18,860	18,860	0.00%
521214 - Chem - Caustic	-	-	-	189,295	189,295	0.00%
521216 - Chem - Sodium Chlorite	-	-	-	58,365	58,365	0.00%
521218 - Chem - Liquid Oxygen	-	-	-	22,695	22,695	0.00%
521400 - Electrical Supplies	-	-	-	31,000	31,000	0.00%
521500 - Mechanical Supplies	-	-	-	10,000	10,000	0.00%
521700 - Building Supplies	-	-	-	2,500	2,500	0.00%
521900 - Vehicle Supplies	-	-	-	5,140	5,140	0.00%
521910 - Tires and Tubes	-	-	-	685	685	0.00%
522000 - Equipment Supplies	-	-	-	34,540	34,540	0.00%
<b>Supplies Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,000</b>	<b>\$ 1,050,060</b>	<b>\$ 1,050,060</b>	<b>0.00%</b>

Expense Detail (continued)

Leonard Water Treatment	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
530300 - Automotive Insurance	\$ -	\$ -	\$ -	\$ 3,110	\$ 3,110	0.00%
530400 - Fire & Exten Cov Ins	-	-	-	200,000	200,000	0.00%
531000 - Telephone	-	-	-	505	505	0.00%
531020 - Internet Service	-	-	-	7,680	7,680	0.00%
531100 - Electric Power	-	-	-	270,500	270,500	0.00%
531600 - Printing & Binding	-	-	-	500	500	0.00%
531700 - Advertising	-	-	-	950	950	0.00%
531800 - Rent or Lease Payment	-	-	-	1,500	1,500	0.00%
531900 - Travel and Training	-	-	2,000	10,000	10,000	0.00%
532000 - Mem & Subscriptions	-	-	-	1,120	1,120	0.00%
532100 - Vehicle Maint	-	-	-	920	920	0.00%
532110 - Veh Maint by Solid Waste	-	-	-	1,000	1,000	0.00%
532200 - Equipment Maintenance	-	-	-	10,000	10,000	0.00%
532210 - Special Maintenance	-	-	-	52,000	52,000	0.00%
532230 - Facilities Maintenance	-	-	-	2,000	2,000	0.00%
532300 - Postage	-	-	-	150	150	0.00%
533000 - Other Services	-	-	-	4,800	4,800	0.00%
533030 - Contractual Safety Serv	-	-	-	12,300	12,300	0.00%
533900 - Permits, Ins, & Lic Fees	-	-	-	40,000	40,000	0.00%
Support Services	-	2,041,750	2,036,210	2,921,420	879,670	43.08%
<b>Services Total</b>	<b>\$ -</b>	<b>\$ 2,041,750</b>	<b>\$ 2,038,210</b>	<b>\$ 3,540,455</b>	<b>\$ 1,498,705</b>	<b>73.40%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ -	\$ 115,500	\$ 115,500	\$ 154,000	\$ 38,500	33.33%
<b>Capital Outlay Total</b>	<b>\$ -</b>	<b>\$ 115,500</b>	<b>\$ 115,500</b>	<b>\$ 154,000</b>	<b>\$ 38,500</b>	<b>33.33%</b>
<b>Grand Total</b>	<b>\$ -</b>	<b>\$ 2,695,815</b>	<b>\$ 2,495,375</b>	<b>\$ 5,332,900</b>	<b>\$ 2,637,085</b>	<b>97.82%</b>

Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$2,637,085 from the FY20 Original Budget. Major variances are explained below.

- Initial budgeting for opening of the plant. Prior years maintained just a small staff for training.

## 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.

### FY2021 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	FY20	FY21	Difference
Lead Control Room Operator - Transmission	1.0	-	(1.0)
Lead Transmission System Operator	2.0	2.0	-
Transmission System Operator II	2.0	2.0	-
<b>Total Full-Time Positions</b>	<b>5.0</b>	<b>4.0</b>	<b>(1.0)</b>

## Expense Detail

Transmission System Department	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ -	\$ 266,050	\$ 204,060	\$ 200,280	\$ (65,770)	-24.72%
511060 - Overtime	-	48,000	48,000	48,000	-	0.00%
512000 - Social Security	-	20,350	15,460	15,320	(5,030)	-24.72%
513000 - Workers' Comp Ins	-	10,370	7,890	6,565	(3,805)	-36.69%
513020 - Hospitalization Ins	-	73,130	53,460	69,510	(3,620)	-4.95%
513040 - Dental Ins	-	3,915	3,120	3,645	(270)	-6.90%
513060 - Life Ins	-	620	500	555	(65)	-10.48%
514000 - Retirement	-	31,225	31,225	35,930	4,705	15.07%
514010 - Retiree - Insurance	-	5,445	5,445	6,270	825	15.15%
514020 - Comp Absences-vacation	-	4,625	4,625	1,545	(3,080)	-66.59%
515000 - Cell Phone Stipend	-	2,400	2,400	1,440	(960)	-40.00%
<b>Personnel Total</b>	<b>\$ -</b>	<b>\$ 466,130</b>	<b>\$ 376,185</b>	<b>\$ 389,060</b>	<b>\$ (77,070)</b>	<b>-16.53%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ -	\$ 1,255	\$ 1,255	\$ 1,255	-	0.00%
520110 - Computer Supplies	-	17,305	17,305	14,130	(3,175)	-18.35%
520300 - Clothing Supplies	-	6,095	6,095	3,620	(2,475)	-40.61%
520600 - Fuel, Oil and Lube	-	16,335	16,335	14,130	(2,205)	-13.50%
520630 - Toll Fees	-	-	25	100	100	0.00%
520700 - Machine Oil & Lube	-	2,730	-	2,730	-	0.00%
520800 - Small Tools & Equip	-	14,000	14,000	74,000	60,000	428.57%
521000 - Laboratory Supplies	-	620	1,120	2,895	2,275	366.94%
521110 - Safety Supplies	-	30,000	30,000	30,000	-	0.00%
521400 - Electrical Supplies	-	25,650	25,650	7,000	(18,650)	-72.71%
521500 - Mechanical Supplies	-	28,000	28,000	5,000	(23,000)	-82.14%
521600 - Pipeline Supplies	-	45,000	100,000	18,305	(26,695)	-59.32%
521700 - Building Supplies	-	15,000	15,000	7,500	(7,500)	-50.00%
521900 - Vehicle Supplies	-	2,070	2,070	6,230	4,160	200.97%
521910 - Tires and Tubes	-	2,055	2,055	2,055	-	0.00%
522000 - Equipment Supplies	-	12,640	12,640	36,605	23,965	189.60%
522200 - Road Maint. Supplies	-	-	-	8,000	8,000	0.00%
<b>Supplies Total</b>	<b>\$ -</b>	<b>\$ 218,755</b>	<b>\$ 271,550</b>	<b>\$ 233,555</b>	<b>\$ 14,800</b>	<b>6.77%</b>

Expense Detail (continued)

Transmission Systems Department	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
530300 - Automotive Insurance	\$ -	\$ 1,605	\$ 1,605	\$ 485	\$ (1,120)	-69.78%
531020 - Internet Service	-	38,230	47,825	65,520	27,290	71.38%
531100 - Electric Power	-	5,460,000	5,460,000	5,520,000	60,000	1.10%
531300 - Engin/Consultant Svc	-	965,000	965,000	830,000	(135,000)	-13.99%
531700 - Advertising	-	150	150	150	-	0.00%
531900 - Travel and Training	-	11,800	8,300	9,400	(2,400)	-20.34%
532000 - Mem & Subscriptions	-	920	920	660	(260)	-28.26%
532100 - Vehicle Maint	-	495	2,270	2,000	1,505	304.04%
532110 - Veh Maint by Solid Waste	-	-	3,145	1,855	1,855	0.00%
532200 - Equipment Maintenance	-	-	-	135,000	135,000	0.00%
532210 - Special Maintenance	-	28,000	28,000	10,000	(18,000)	-64.29%
532220 - Pipeline Maintenance	-	259,500	166,295	250,000	(9,500)	-3.66%
532230 - Facilities Maintenance	-	-	18,485	-	-	0.00%
532700 - Radio Maintenance	-	25,000	25,000	30,000	5,000	20.00%
532800 - Grounds Maintenance	-	12,500	12,500	23,000	10,500	84.00%
532900 - Electrical Sys Maint	-	100,000	100,000	50,000	(50,000)	-50.00%
533010 - Texoma O & M Cost	-	223,000	223,000	165,845	(57,155)	-25.63%
533030 - Contractual Safety Serv	-	61,500	31,500	-	(61,500)	-100.00%
533900 - Permits, Ins, & Lic Fees	-	5,000	5,000	5,000	-	0.00%
Support Services	-	5,581,500	5,565,495	5,507,550	(73,950)	-1.32%
<b>Services Total</b>	<b>\$ -</b>	<b>\$12,774,200</b>	<b>\$12,664,490</b>	<b>\$12,606,465</b>	<b>\$ (167,735)</b>	<b>-1.31%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ -	\$ 38,500	\$ 38,500	\$ 63,525	\$ 25,025	65.00%
<b>Capital Outlay Total</b>	<b>\$ -</b>	<b>\$ 38,500</b>	<b>\$ 38,500</b>	<b>\$ 63,525</b>	<b>\$ 25,025</b>	<b>65.00%</b>
<b>Grand Total</b>	<b>\$ -</b>	<b>\$13,497,585</b>	<b>\$13,350,725</b>	<b>\$13,292,605</b>	<b>\$ (204,980)</b>	<b>-1.52%</b>

Major FY21 Budget Items

The department's FY21 Proposed Budget has decreased by \$204,980 from the FY20 Original Budget. Major variances are explained below.

- Personnel decreased due to repurposing a position.
- Engineering/Consultant Services decreased based on lower need for FY21.

## Expense Detail

RWS CIF and Debt Service	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Capital Imp Fund</b>	<b>\$ 50,910,000</b>	<b>\$ 35,170,000</b>	<b>\$ 34,140,000</b>	<b>\$ 36,200,000</b>	<b>\$ 1,030,000</b>	<b>2.93%</b>
<b>Debt Service</b>						
Bonds:						
Current (P&I)	\$ 176,609,581	\$ 180,408,759	\$ 180,408,759	\$ 179,357,438	\$ (1,051,321)	-0.58%
New (P&I)	-	13,805,195	13,805,195	12,186,962	(1,618,233)	-11.72%
<b>Total</b>	<b>\$176,609,581</b>	<b>\$194,213,954</b>	<b>\$194,213,954</b>	<b>\$191,544,400</b>	<b>\$ (2,669,554)</b>	<b>-1.37%</b>
<b>Other</b>						
BAB's Subsidy	\$ (4,163,791)	\$ (2,144,521)	\$ (2,144,521)	\$ -	\$ 2,144,521	-100.00%
Reserve Fund Interest Tfr	(500,000)	(7,000,000)	(7,000,000)	(8,680,700)	(1,680,700)	24.01%
I&S Fund Interest	(900,000)	(900,000)	(900,000)	(822,363)	77,637	-8.63%
Fund Balance Change	207,198	830,568	830,568	(1,116,037)	(1,946,605)	-234.37%
Tfrs from Construction	(4,252,987)	-	-	-	-	0.00%
<b>Total</b>	<b>\$ (9,609,581)</b>	<b>\$ (9,213,954)</b>	<b>\$ (9,213,954)</b>	<b>\$ (10,619,100)</b>	<b>\$ (1,405,146)</b>	<b>15.25%</b>
<b>Transfer to I&amp;S Fund</b>	<b>\$167,000,000</b>	<b>\$185,000,000</b>	<b>\$185,000,000</b>	<b>\$180,925,300</b>	<b>\$ (4,074,700)</b>	<b>-2.20%</b>
<b>Bond Service Fees</b>	<b>\$ 26,970</b>	<b>\$ 36,160</b>	<b>\$ 35,535</b>	<b>\$ 37,010</b>	<b>\$ 850</b>	<b>2.35%</b>
<b>Notes</b>						
Chapman - City of Cooper	\$ 52,474	\$ 52,475	\$ 52,475	\$ 52,475	\$ -	0.00%
Chapman - Corps	864,280	864,280	864,280	864,280	-	0.00%
Lavon	1,594,320	1,594,320	1,594,320	1,581,920	(12,400)	-0.78%
<b>Total</b>	<b>\$ 2,511,074</b>	<b>\$ 2,511,075</b>	<b>\$ 2,511,075</b>	<b>\$ 2,498,675</b>	<b>\$ (12,400)</b>	<b>-0.49%</b>
<b>Total Debt Service</b>	<b>\$169,538,044</b>	<b>\$187,547,235</b>	<b>\$187,546,610</b>	<b>\$183,460,985</b>	<b>\$ (4,086,250)</b>	<b>-2.18%</b>
<b>Total CIF and DS</b>	<b>\$220,448,044</b>	<b>\$222,717,235</b>	<b>\$221,686,610</b>	<b>\$219,660,985</b>	<b>\$ (3,056,250)</b>	<b>-1.37%</b>

Wylie Raw Water Pump Station



# REGIONAL WASTEWATER SYSTEM

# FY21 FAST BUDGET

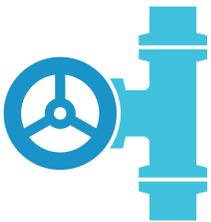
## WASTEWATER SERVICES

# COMMUNITIES SERVED

**236**  
EMPLOYEES

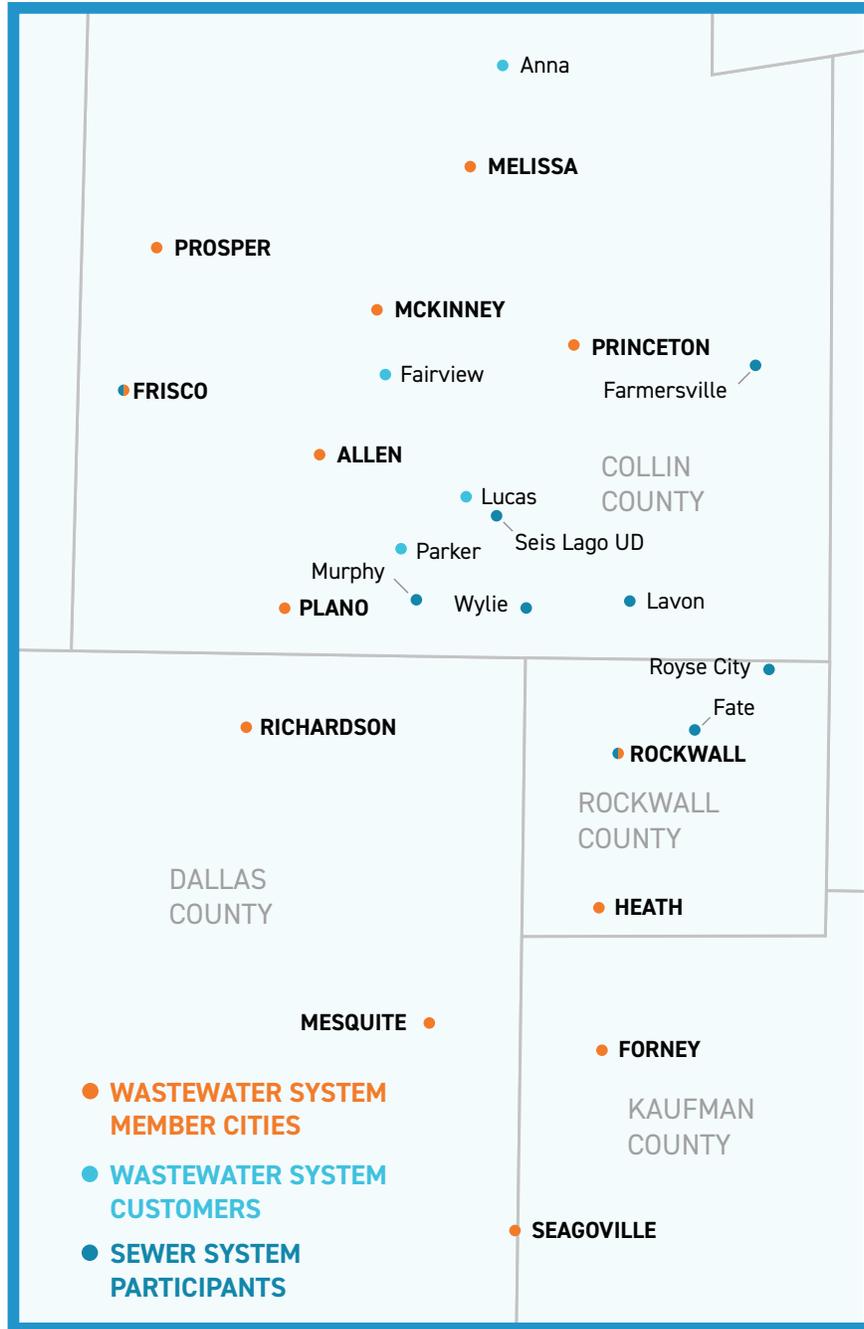
**\$565**  
MILLION

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



**43.4**  
BILLION

estimated gallons of wastewater flows



**222+**  
MILES

large-diameter wastewater pipelines

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

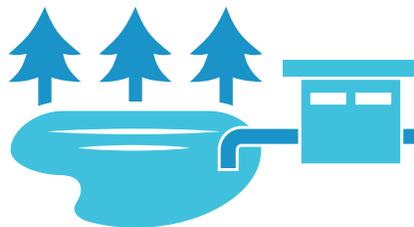
average annual wastewater treatment capacity



**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

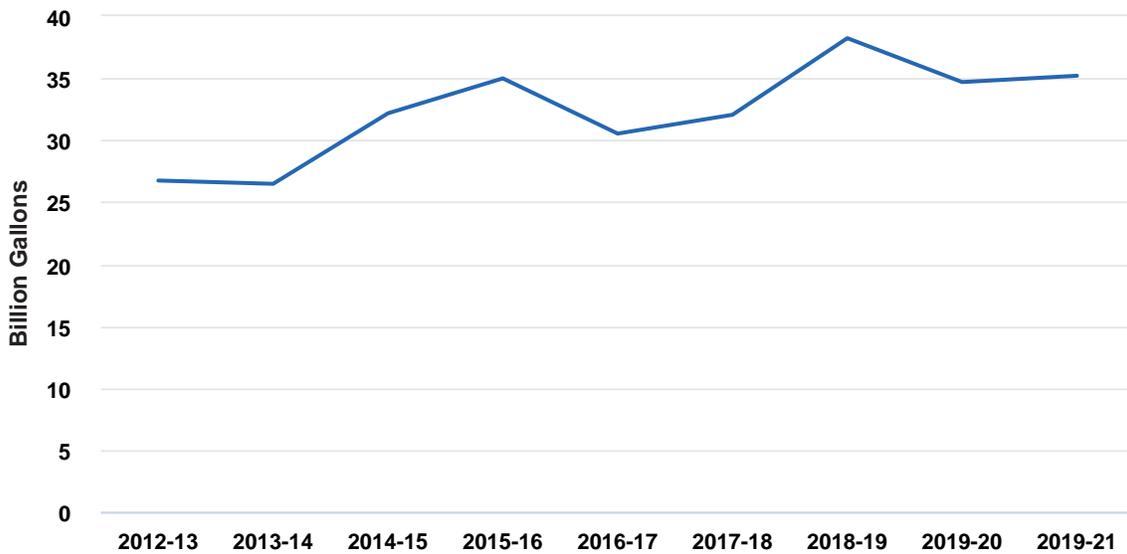


### Regional Wastewater System

The Regional Wastewater System (RWWS) provides proper wastewater management in full accordance to 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 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. The District treats the majority of wastewater flows at four Regional Wastewater Treatment Plants (RWWTTP). Wastewater conveyance (interceptors) systems transport wastewater to these treatment plants through more than 222 miles of large-diameter wastewater pipelines. The plants process and treat up to 152 MGD of wastewater. In FY19, 38.2 billion gallons (includes contract minimums) of wastewater were billed for treatment, by the Regional Wastewater System.

### REGIONAL WASTEWATER ANNUAL FLOWS

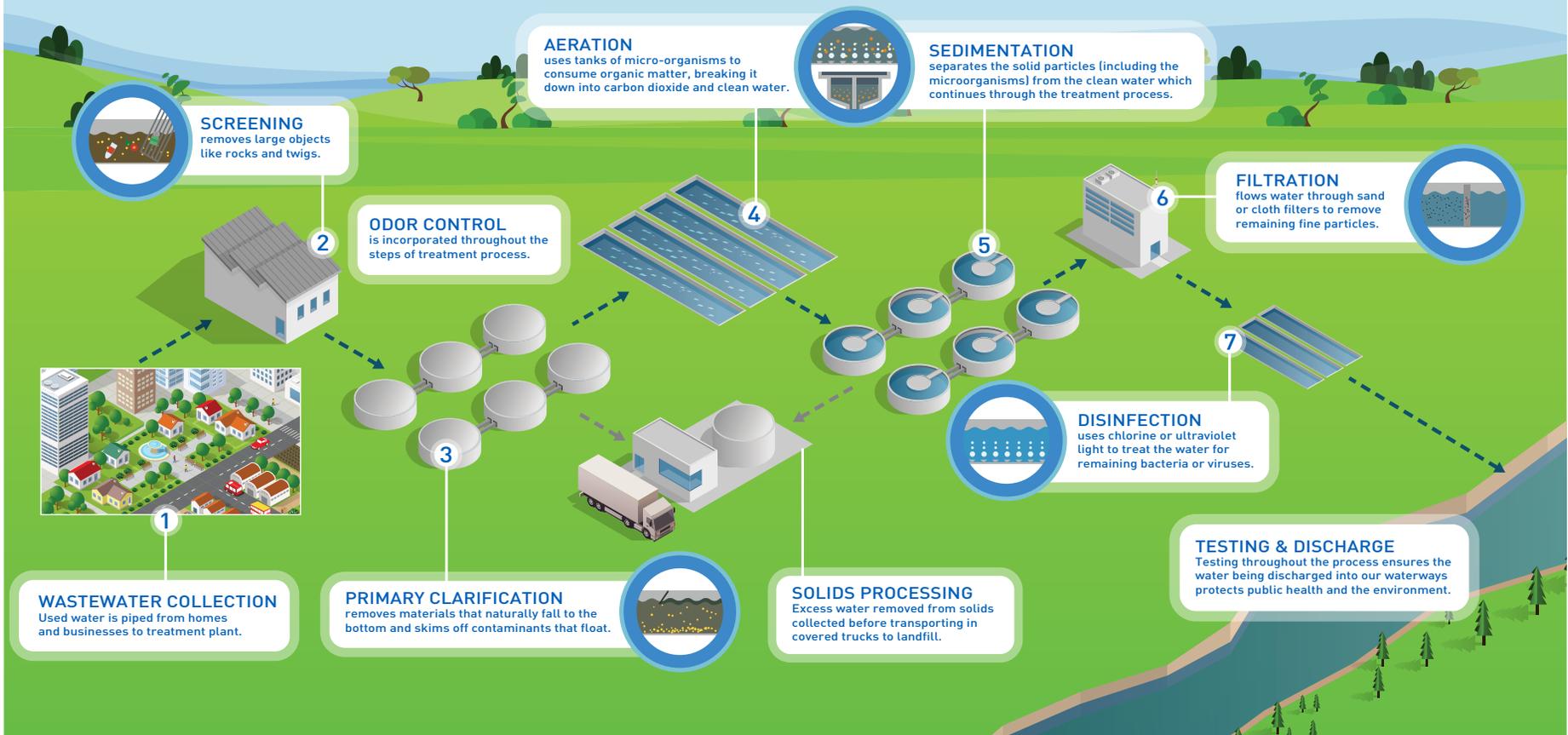


### Treatment

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.



# 7 Steps to Clean Water



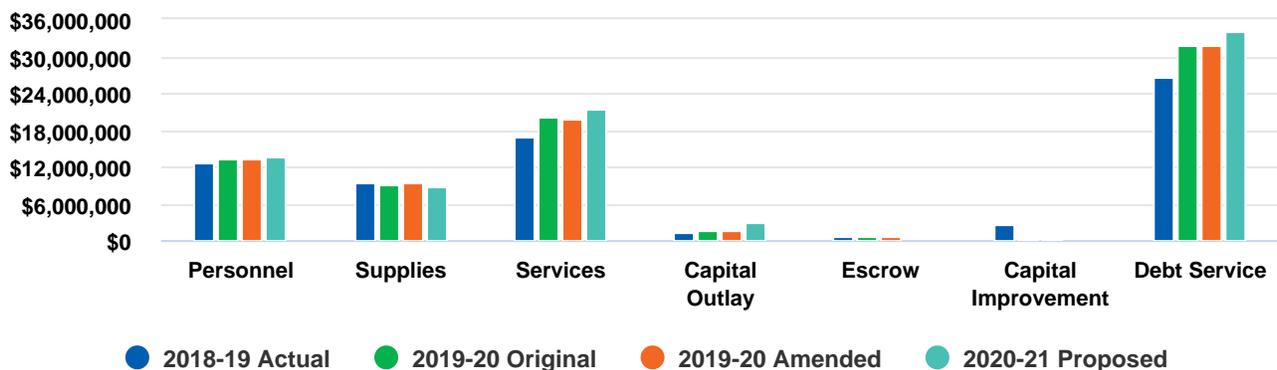
Revenues and Expenditures

	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>	<b>\$ 69,891,273</b>	<b>\$ 76,742,265</b>	<b>\$ 76,933,115</b>	<b>\$ 80,523,835</b>	<b>\$ 3,781,570</b>	<b>4.93%</b>
<b>Expenditures</b>						
Personnel	\$ 12,641,191	\$ 13,253,725	\$ 13,450,745	\$ 13,546,650	\$ 292,925	2.21%
Supplies	9,294,038	9,185,810	9,488,285	8,802,455	(383,355)	-4.17%
Services	16,970,160	20,061,550	19,744,880	21,455,780	1,394,230	6.95%
Capital Outlay	1,147,473	1,721,300	1,727,865	2,766,050	1,044,750	60.70%
Escrow	632,750	550,000	550,000	-	(550,000)	-100.00%
Debt Service	29,205,660	31,969,880	31,971,340	33,952,900	1,983,020	6.20%
<b>Total</b>	<b>\$ 69,891,273</b>	<b>\$ 76,742,265</b>	<b>\$ 76,933,115</b>	<b>\$ 80,523,835</b>	<b>\$ 3,781,570</b>	<b>4.93%</b>

The FY20 Amended Budget for expenditures and revenues totals \$76,933,115, which is greater than the FY20 Original Budget of \$76,742,265. The primary driver for this increase was for an emergency repair of a 48-inch pipe at the South Mesquite RWWTP. The increase was approved by the Board and funds were transferred from maintenance reserves to cover the cost. For the FY21 Annual Budget, the total RWWS expenditures are \$80,523,835 which is \$3,781,570 or 4.93% greater than the FY20 Original Budget. Major budget variances are explained below:

- Increase in Debt Service of \$1,983,020 for the financing of \$114 million in bonds and offset by a lower Capital Improvement Fund transfer.
- Increase in Services of \$1,394,230 due to the allocation of Support Fund expenses, increased Electric Power for the additional 17.5 MGD peak flow treatment capacity at Rowlett Creek RWWTP and higher Equipment Maintenance costs at Rowlett Creek RWWTP for a belt press rebuild. The increases were offset by a decrease in Landfill Service Fees due to a process change that allows for better dewatering and reduces trips to the landfill and costs at Wilson Creek RWWTP.
- Increase in Capital Outlay of \$1,044,750 related to Vehicle Equipment replacements for Wilson Creek, Rowlett Creek and South Mesquite RWWTPs. In addition, Machinery costs are higher to purchase a screw press necessary for solids and sludge processing at Floyd Branch RWWTP.
- Increase in Personnel of \$292,925 due to the higher insurance costs and the hiring of a Wastewater Plant Supervisor II for the Sister Grove Regional Water Resource Recovery Facility. The FY21 budget funds no market / merit based adjustments for existing staff.
- Decrease in Escrow of (\$550,000) related to reduced amounts being sent to the Reserve for Maintenance and Preventative Maintenance Escrows.
- Decrease in Supplies of (\$383,355) driven by lower Chemicals costs due to process improvements at Wilson Creek RWWTP, partially offset by increased Electrical Supplies due to the 8 MGD expansion and peak flow capacity at the same plant.

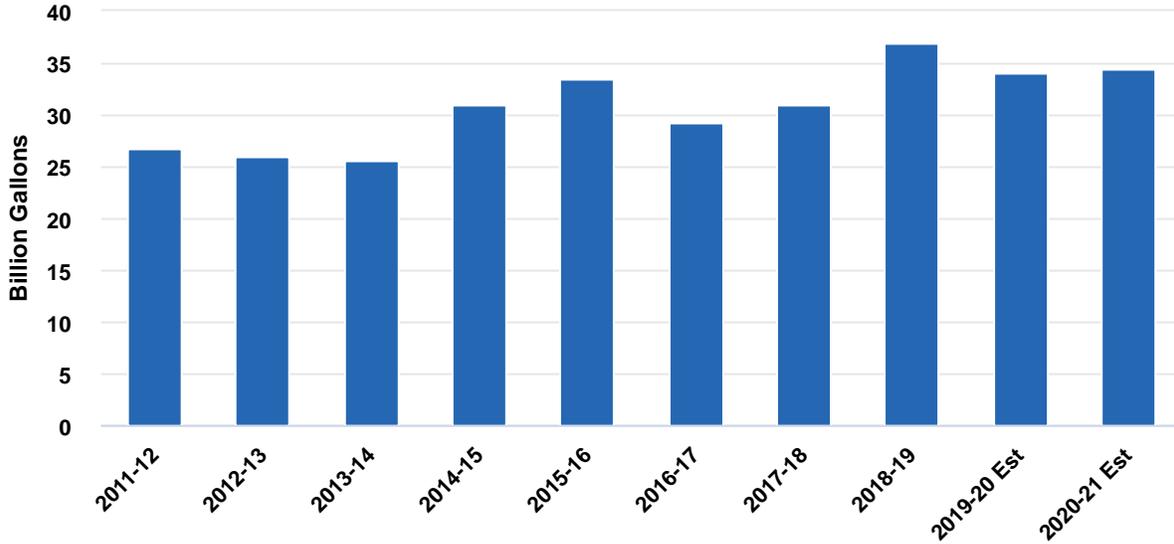
RWWS EXPENDITURES



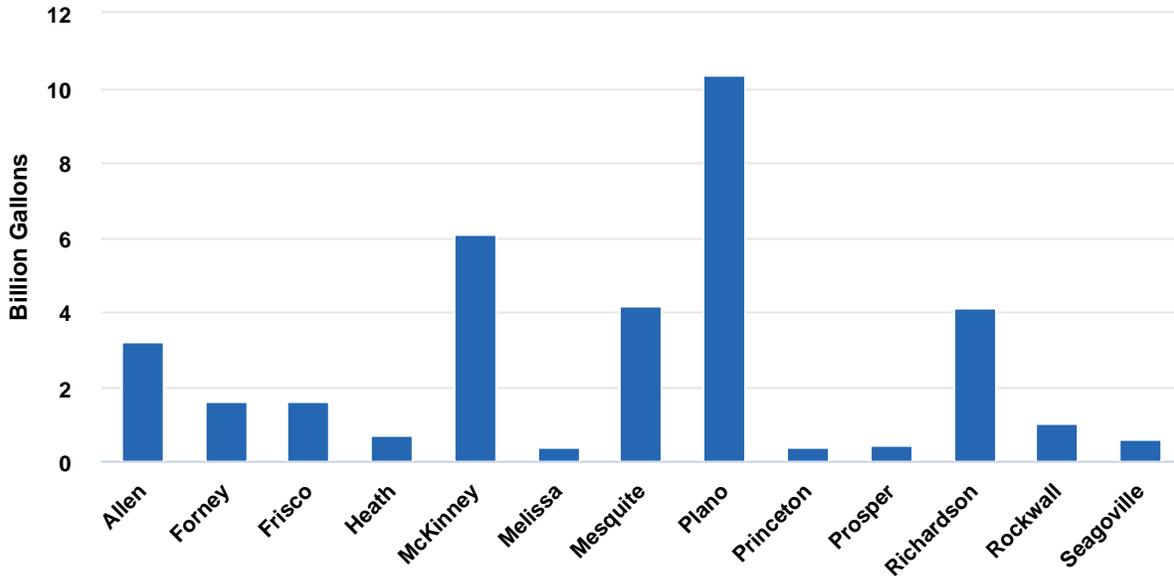
### Regional Wastewater System Flows

Finance compiles the actual flows for each of the four regional wastewater treatment plants based on data provided in monthly reports by RWWWS management. Member City annual flows for the amended FY20 budget were 34 billion gallons. Annual Member City flows for FY21 are estimated to be 34.5 billion gallons.

#### REGIONAL WASTEWATER MEMBER CITY FLOWS



#### 2020 - 2021 ESTIMATED FLOWS BY MEMBER CITIES



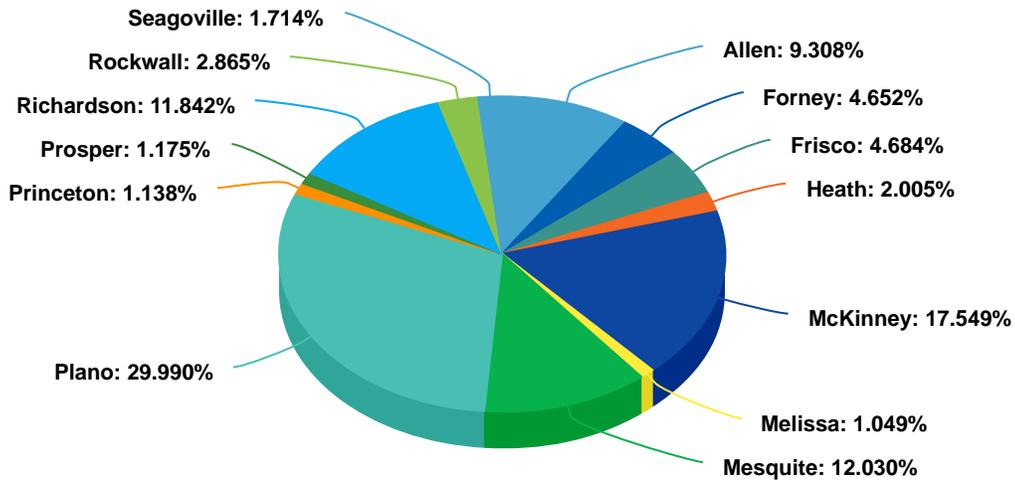
Member City flows are the greater of actuals or required minimums.

**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 FY21 Budget is presented below:

**2020-21 MEMBER CITY COST ALLOCATION**



The total charges to be allocated to the Member Cities for FY21 are \$77,982,235 after deducting interest and other revenue in the estimated amount of \$2,541,600 from the proposed budget of \$80,523,835.

City	2018-19	2019-20	2019-20	2020-21
	Actual	Original Budget	Amended Budget	Proposed Budget
Allen	\$ 6,178,199	\$ 6,976,934	\$ 6,881,970	\$ 7,258,636
Forney	2,270,044	2,802,545	3,439,727	3,627,994
Frisco	2,888,857	2,941,548	3,462,818	3,652,347
Heath	1,221,338	1,298,989	1,482,264	1,563,392
McKinney	11,617,626	12,927,099	12,975,157	13,685,319
Melissa	322,162	809,897	786,975	817,677
Mesquite	9,811,158	10,541,292	8,894,362	9,381,175
Plano	19,125,826	20,928,550	22,173,621	23,387,239
Princeton	648,156	703,214	841,070	887,106
Prosper	978,421	1,178,022	868,477	916,011
Richardson	8,143,330	9,079,480	8,755,240	9,234,435
Rockwall	1,939,088	2,175,293	2,118,410	2,234,356
Seagoville	1,053,187	1,323,832	1,286,364	1,336,548
<b>Total</b>	<b>\$ 66,197,391</b>	<b>\$ 73,686,695</b>	<b>\$ 73,966,455</b>	<b>\$ 77,982,235</b>
<b>Flows (1,000)</b>	<b>37,165,767</b>	<b>32,912,750</b>	<b>34,000,000</b>	<b>34,500,000</b>
<b>Member Cost per 1,000</b>	<b>\$ 1.78</b>	<b>\$ 2.24</b>	<b>\$ 2.18</b>	<b>\$ 2.26</b>

**RWWS Fund Balances**

**Capital Improvement Fund  
9/30/20**

**Projected Balance:**

08/31/20	Fund Balance	\$ 1,929,505
	Remaining Payments to be made on Authorized Projects	(1,823,359)
	Remaining Budgeted Transfers from Operating Fund	25,000
09/30/20	Balance Available for Future Projects	<u>131,146</u>
	Balance Transfers from Operating Fund	-
	Expected Projects	-
	Interest Income	1,049
09/30/21	Balance Available for Future Projects	<u>\$ 132,195</u>

**Reserve for Maintenance Fund  
9/30/20**

**Projected Balance:**

09/30/20	Expected Fund Balance	\$ 2,359,238
	Balance Transfers from Operating Fund	-
	Expected Projects	-
	Interest Income	18,874
09/30/21	Balance Available for Future Projects	<u>\$ 2,378,112</u>

**Preventative Maintenance Escrow  
9/30/20**

**Projected Balance:**

09/30/20	Expected Fund Balance	\$ 455,725
	Balance Transfers from Operating Fund	-
	Expected Projects	-
	Interest Income	3,646
09/30/21	Balance Available for Future Projects	<u>\$ 459,371</u>

## Regional Wastewater Treatment Plants (RWWTP)

### 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 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. Construction is expected to begin in the fall of 2020. 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.

## 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. 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.

### FY2021 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**

<b>Wilson Creek RWWTP</b>			
<b>Full-Time Positions</b>	<b>FY20</b>	<b>FY21</b>	<b>Difference</b>
Assistant Deputy (Wastewater)	1.0	1.0	-
Assistant Wastewater System Manager	1.0	1.0	-
Chief Wastewater Plant Operator	2.0	2.0	-
Information Systems Assistant	2.0	2.0	-
Lead Maintenance Technician	1.0	1.0	-
Lead Transport Driver	1.0	1.0	-
Lead Wastewater Plant Operator	5.0	5.0	-
Maintenance Planner Scheduler	1.0	1.0	-
Maintenance Supervisor	1.0	1.0	-
Mechanic's Assistant	3.0	3.0	-
Professional Engineer	1.0	1.0	-
Training and Development Manager	1.0	1.0	-
Transport Driver	13.0	13.0	-
Wastewater Mechanic	3.0	3.0	-
Wastewater Plant Operator II	18.0	18.0	-
Wastewater Plant Operator III	10.0	10.0	-
Wastewater Plant Supervisor II (Sister Grove RWRRF)	-	1.0	1.0
Wastewater Plant Supervisor III	1.0	1.0	-
Wastewater Project Coordinator	1.0	1.0	-
<b>Total Full-Time Positions</b>	<b>66.0</b>	<b>67.0</b>	<b>1.0</b>

**Expense Detail**

<b>Wilson Creek RWWTP</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2019-20</b>	<b>2020-21</b>	<b>Variance \$</b>	<b>Variance %</b>
<b>Expense Category</b>	<b>Actual</b>	<b>Original Budget</b>	<b>Amended Budget</b>	<b>Proposed Budget</b>	<b>To Original Budget</b>	<b>To Original Budget</b>
<b>Personnel</b>						
510000 - Wages	\$ 3,357,786	\$ 3,871,705	\$ 3,859,080	\$ 3,977,830	\$ 106,125	2.74%
511060 - Overtime	962,713	400,000	600,000	400,000	-	0.00%
512000 - Social Security	312,852	291,735	297,145	299,910	8,175	2.80%
513000 - Workers' Comp Ins	107,002	95,920	89,800	78,750	(17,170)	-17.90%
513020 - Hospitalization Ins	801,497	842,890	882,285	941,650	98,760	11.72%
513040 - Dental Ins	44,381	45,160	46,430	47,365	2,205	4.88%
513060 - Life Ins	7,919	8,810	9,620	10,660	1,850	21.00%
514000 - Retirement	423,320	524,305	524,305	533,060	8,755	1.67%
514010 - Retiree - Insurance	86,355	91,475	91,475	93,000	1,525	1.67%
514020 - Comp Absences-vacation	16,430	17,985	17,985	7,230	(10,755)	-59.80%
514030 - Comp Absences-sick	22,105	14,400	14,400	-	(14,400)	-100.00%
515000 - Cell Phone Stipend	26,760	30,240	30,240	28,680	(1,560)	-5.16%
<b>Personnel Total</b>	<b>\$ 6,169,120</b>	<b>\$ 6,234,625</b>	<b>\$ 6,462,765</b>	<b>\$ 6,418,135</b>	<b>\$ 183,510</b>	<b>2.94%</b>

## Expense Detail (continued)

Wilson Creek RWWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520100 - Office Supplies	\$ 7,973	\$ 6,590	\$ 19,590	\$ 30,280	\$ 23,690	359.48%
520110 - Computer Supplies	45,211	22,115	30,615	35,380	13,265	59.98%
520200 - Xerox Supplies	8,393	7,800	9,800	9,600	1,800	23.08%
520300 - Clothing Supplies	31,078	28,045	33,045	30,295	2,250	8.02%
520600 - Fuel, Oil and Lube	308,432	337,145	237,145	344,045	6,900	2.05%
520610 - Generator Fuel	253	6,600	6,600	22,000	15,400	233.33%
520630 - Toll Fees	9,297	4,500	12,500	4,500	-	0.00%
520700 - Machine Oil & Lube	25,352	14,140	17,140	17,100	2,960	20.93%
520800 - Small Tools & Equip	50,377	28,760	32,760	33,605	4,845	16.85%
520810 - Fire Extinguishers	1,659	1,000	1,000	1,400	400	40.00%
520900 - Janitorial Supplies	11,377	5,000	9,000	10,000	5,000	100.00%
521000 - Laboratory Supplies	23,497	31,550	31,550	26,925	(4,625)	-14.66%
521100 - Medical Supplies	2,929	5,240	5,240	5,240	-	0.00%
521110 - Safety Supplies	81,355	69,135	69,635	80,490	11,355	16.42%
521200 - Chem - Other	158,856	172,990	152,490	139,705	(33,285)	-19.24%
521203 - Chem - Chlorine	168,031	121,000	125,500	121,000	-	0.00%
521209 - Chem - Polymers	1,809,636	1,512,595	1,512,595	1,236,795	(275,800)	-18.23%
521210 - Chem - Hypochlorite	32,494	113,000	113,000	136,990	23,990	21.23%
521211 - Chem - Sulfur Dioxide	102,416	68,850	84,850	70,200	1,350	1.96%
521212 - Chem - Liq Ferr Sulfate	460,436	755,000	755,000	389,550	(365,450)	-48.40%
521214 - Chem - Caustic	23,941	55,200	55,200	30,080	(25,120)	-45.51%
521215 - Chem - Bioxide	116,935	208,835	208,835	208,835	-	0.00%
521300 - Botanical Supplies	2,075	15,500	15,500	15,500	-	0.00%
521400 - Electrical Supplies	863,496	504,540	504,540	662,370	157,830	31.28%
521500 - Mechanical Supplies	818,285	507,715	507,715	551,715	44,000	8.67%
521700 - Building Supplies	9,928	13,000	21,500	13,000	-	0.00%
521900 - Vehicle Supplies	132,018	146,745	151,745	126,375	(20,370)	-13.88%
521910 - Tires and Tubes	96,552	131,920	131,920	131,020	(900)	-0.68%
522000 - Equipment Supplies	172,980	62,415	103,415	52,615	(9,800)	-15.70%
522100 - Welding Supplies	204	2,500	2,500	2,500	-	0.00%
522200 - Road Maint Supplies	2,215	-	1,000	-	-	0.00%
523000 - Other Supplies	200,712	200,240	200,240	224,150	23,910	11.94%
<b>Supplies Total</b>	<b>\$ 5,778,395</b>	<b>\$ 5,159,665</b>	<b>\$ 5,163,165</b>	<b>\$ 4,763,260</b>	<b>\$ (396,405)</b>	<b>-7.68%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 58,200	\$ 61,375	\$ 61,875	\$ 57,855	\$ (3,520)	-5.74%
530400 - Fire & Exten Cov Ins	38,170	45,245	46,245	54,665	9,420	20.82%
530900 - General Liability Ins	13,532	20,350	30,350	13,620	(6,730)	-33.07%
531000 - Telephone	7,046	5,400	5,900	6,900	1,500	27.78%
531020 - Internet Service	91,470	85,170	85,170	87,930	2,760	3.24%
531100 - Electric Power	1,115,083	1,340,600	1,340,600	1,500,000	159,400	11.89%
531120 - Retail Water Service	5,437	6,720	6,720	6,720	-	0.00%
531200 - Bank Service Fees	558	875	785	1,000	125	14.29%

## Expense Detail (continued)

Wilson Creek RWWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services (continued)</b>						
531310 - Special Studies & Rpts	\$ 495,386	\$ 165,550	\$ 205,550	\$ 220,550	\$ 55,000	33.22%
531400 - Legal Service	106,628	139,600	99,600	130,000	(9,600)	-6.88%
531700 - Advertising	200	1,500	13,500	1,590	90	6.00%
531800 - Rent or Lease Payment	133,666	43,850	40,850	50,825	6,975	15.91%
531900 - Travel and Training	55,165	59,150	59,150	27,100	(32,050)	-54.18%
532000 - Mem & Subscriptions	7,636	19,950	19,950	22,715	2,765	13.86%
532100 - Vehicle Maint	38,878	40,000	40,000	40,000	-	0.00%
532110 - Veh Maint by Solid Waste	85,544	50,000	80,000	85,000	35,000	70.00%
532200 - Equipment Maintenance	294,156	321,835	201,835	388,450	66,615	20.70%
532800 - Grounds Maintenance	23,193	30,925	30,925	70,925	40,000	129.35%
532850 - Building Maintenance	-	1,100	1,100	31,100	30,000	2727.27%
532900 - Electrical Sys Maint	221,633	335,920	235,920	180,000	(155,920)	-46.42%
533000 - Other Services	522,059	426,830	676,830	504,400	77,570	18.17%
533030 - Contractual Safety Serv	1,125	13,375	13,375	13,375	-	0.00%
533100 - Administration	216,060	41,710	41,710	39,645	(2,065)	-4.95%
533380 - Odor Control Crew	-	45,000	45,000	35,000	(10,000)	-22.22%
533500 - Lab Svc - Contract	9,115	14,880	14,880	14,880	-	0.00%
533630 - Landfill Service Fees	2,227,019	2,367,000	2,003,150	1,740,200	(626,800)	-26.48%
533900 - Permits, Ins, & Lic Fees	133,241	136,855	136,855	141,365	4,510	3.30%
Support Services	2,507,808	3,265,310	3,142,075	4,261,040	995,730	30.49%
<b>Services Total</b>	<b>\$ 8,408,009</b>	<b>\$ 9,086,075</b>	<b>\$ 8,679,900</b>	<b>\$ 9,726,850</b>	<b>\$ 640,775</b>	<b>7.05%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 207,496	\$ 242,000	\$ 337,400	\$ 545,000	\$ 303,000	125.21%
540500 - Machinery	202,948	439,800	398,300	390,450	(49,350)	-11.22%
540700 - Non-Vehicle Equipment	-	390,500	180,500	32,000	(358,500)	-91.81%
<b>Capital Outlay Total</b>	<b>\$ 410,444</b>	<b>\$ 1,072,300</b>	<b>\$ 916,200</b>	<b>\$ 967,450</b>	<b>\$ (104,850)</b>	<b>-9.78%</b>
<b>Grand Total</b>	<b>\$20,765,968</b>	<b>\$21,552,665</b>	<b>\$21,222,030</b>	<b>\$21,875,695</b>	<b>\$ 323,030</b>	<b>1.50%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$323,030 from the FY20 Original Budget. Major variances are explained below.

- Personnel increased due to the addition of one new position and higher insurance costs.
- Chemicals decreased because of process improvements.
- Electrical Supplies increased to purchase spare processing unit parts due the peak flow capacity increase.
- Electric Power increased because of the additional peak flow capacity.
- Landfill Service Fees decreased because of the improved dewatering process that will allow for fewer trips to the landfill.
- Support Services allocation increased due to higher Support Fund expenses.

## 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 UV for disinfection.

### FY2021 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	FY20	FY21	Difference
Lead Wastewater Plant Operator	1.0	1.0	-
Wastewater Coordinator	1.0	1.0	-
Wastewater Plant Operator II	3.0	3.0	-
Wastewater Plant Operator III	2.0	2.0	-
<b>Total Full-Time Positions</b>	<b>7.0</b>	<b>7.0</b>	<b>-</b>

Expense Detail

Floyd Branch RWWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 436,004	\$ 489,220	\$ 469,460	\$ 460,230	\$ (28,990)	-5.93%
511060 - Overtime	10,366	10,000	10,000	10,000	-	0.00%
512000 - Social Security	36,291	37,420	34,650	35,210	(2,210)	-5.91%
513000 - Workers' Comp Ins	12,302	14,490	13,045	11,470	(3,020)	-20.84%
513020 - Hospitalization Ins	72,290	74,575	82,110	82,685	8,110	10.87%
513040 - Dental Ins	5,279	5,370	5,530	5,450	80	1.49%
513060 - Life Ins	988	1,090	1,160	1,230	140	12.84%
514000 - Retirement	64,620	66,250	66,250	61,675	(4,575)	-6.91%
514010 - Retiree - Insurance	13,185	11,560	11,560	10,760	(800)	-6.92%
514020 - Comp Absences-vacation	-	4,855	4,855	4,965	110	2.27%
514030 - Comp Absences-sick	11,510	29,475	29,475	17,000	(12,475)	-42.32%
515000 - Cell Phone Stipend	2,240	2,400	2,400	1,920	(480)	-20.00%
<b>Personnel Total</b>	<b>\$ 665,074</b>	<b>\$ 746,705</b>	<b>\$ 730,495</b>	<b>\$ 702,595</b>	<b>\$ (44,110)</b>	<b>-5.91%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 428	\$ 1,000	\$ 1,000	\$ 1,000	-	0.00%
520110 - Computer Supplies	4,430	2,285	2,285	4,115	1,830	80.09%
520200 - Xerox Supplies	-	1,200	1,200	1,200	-	0.00%
520300 - Clothing Supplies	5,266	3,395	3,395	4,200	805	23.71%
520600 - Fuel, Oil and Lube	2,846	4,800	4,800	4,800	-	0.00%
520610 - Generator Fuel	1,004	3,170	3,170	3,170	-	0.00%
520630 - Toll Fees	65	100	100	100	-	0.00%
520700 - Machine Oil & Lube	720	1,270	1,270	1,270	-	0.00%
520800 - Small Tools & Equip	1,932	2,650	2,650	2,645	(5)	-0.19%
520810 - Fire Extinguishers	224	100	200	100	-	0.00%
520900 - Janitorial Supplies	908	900	1,400	900	-	0.00%
521000 - Laboratory Supplies	697	1,440	1,440	1,440	-	0.00%
521100 - Medical Supplies	-	100	100	500	400	400.00%
521110 - Safety Supplies	12,608	7,590	7,590	8,315	725	9.55%
521200 - Chem - Other	-	4,675	4,675	4,675	-	0.00%
521203 - Chem - Chlorine	1,239	1,615	1,615	1,695	80	4.95%
521209 - Chem - Polymers	37,739	37,200	37,200	28,520	(8,680)	-23.33%
521210 - Chem - Hypochlorite	10,619	14,640	14,640	15,300	660	4.51%
521214 - Chem - Caustic	4,218	1,250	1,250	1,880	630	50.40%
521300 - Botanical Supplies	286	1,650	1,650	1,650	-	0.00%
521400 - Electrical Supplies	25,321	35,000	35,000	35,000	-	0.00%
521500 - Mechanical Supplies	82,081	52,100	52,100	45,100	(7,000)	-13.44%
521700 - Building Supplies	2,837	3,800	3,800	3,800	-	0.00%
521900 - Vehicle Supplies	360	5,000	5,000	5,000	-	0.00%
521910 - Tires and Tubes	568	680	680	680	-	0.00%
522000 - Equipment Supplies	9,909	19,880	19,580	19,875	(5)	-0.03%
522100 - Welding Supplies	-	100	100	100	-	0.00%
523000 - Other Supplies	3,512	3,900	3,900	4,070	170	4.36%
<b>Supplies Total</b>	<b>\$ 209,819</b>	<b>\$ 211,490</b>	<b>\$ 211,790</b>	<b>\$ 201,100</b>	<b>\$ (10,390)</b>	<b>-4.91%</b>

## Expense Detail (continued)

Floyd Branch RWWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
530300 - Automotive Insurance	\$ 1,717	\$ 1,885	\$ 1,885	\$ 1,705	\$ (180)	-9.55%
530400 - Fire & Exten Cov Ins	4,324	5,125	5,125	5,935	810	15.80%
530900 - General Liability Ins	773	1,700	2,100	2,695	995	58.53%
531000 - Telephone	3,514	3,000	3,500	4,140	1,140	38.00%
531020 - Internet Service	25,684	28,890	28,890	28,890	-	0.00%
531100 - Electric Power	142,804	172,600	172,600	180,000	7,400	4.29%
531120 - Retail Water Service	808	720	970	865	145	20.14%
531300 - Engin/Consultant Svc	-	-	-	75,000	75,000	0.00%
531310 - Special Studies & Rpts	8,960	5,000	6,200	7,500	2,500	50.00%
531400 - Legal Service	10,129	14,200	14,200	10,000	(4,200)	-29.58%
531700 - Advertising	6,250	18,400	18,400	15,920	(2,480)	-13.48%
531800 - Rent or Lease Payment	3,155	7,320	7,320	7,320	-	0.00%
531900 - Travel and Training	680	3,100	3,100	2,100	(1,000)	-32.26%
532000 - Mem & Subscriptions	2,390	2,490	2,490	2,305	(185)	-7.43%
532100 - Vehicle Maint	25	200	200	200	-	0.00%
532110 - Veh Maint by Solid Waste	301	500	500	500	-	0.00%
532200 - Equipment Maintenance	11,182	32,740	32,740	28,550	(4,190)	-12.80%
532800 - Grounds Maintenance	4,275	2,700	3,900	3,950	1,250	46.30%
532850 - Building Maintenance	-	400	400	1,520	1,120	280.00%
532900 - Electrical Sys Maint	23,375	7,520	7,520	25,520	18,000	239.36%
533000 - Other Services	3,879	50,270	70,270	47,640	(2,630)	-5.23%
533030 - Contractual Safety Serv	-	6,175	6,175	6,175	-	0.00%
533100 - Administration	21,335	4,050	4,050	3,725	(325)	-8.02%
533380 - Odor Control Crew	-	5,000	5,000	5,000	-	0.00%
533500 - Lab Svc - Contract	7,600	6,500	6,500	6,500	-	0.00%
533630 - Landfill Service Fees	74,937	58,000	58,000	53,400	(4,600)	-7.93%
533900 - Permits, Ins, & Lic Fees	31,584	32,665	32,665	32,665	-	0.00%
Support Services	362,135	435,340	431,165	455,400	20,060	4.61%
<b>Services Total</b>	<b>\$ 751,815</b>	<b>\$ 906,490</b>	<b>\$ 925,865</b>	<b>\$ 1,015,120</b>	<b>\$ 108,630</b>	<b>11.98%</b>
<b>Capital Outlay</b>						
540500 - Machinery	\$ 40,481	\$ 50,000	\$ 30,000	\$ 440,000	\$ 390,000	780.00%
542000 - Other Capital Outlay	10,404	-	-	-	-	0.00%
<b>Capital Outlay Total</b>	<b>\$ 50,885</b>	<b>\$ 50,000</b>	<b>\$ 30,000</b>	<b>\$ 440,000</b>	<b>\$ 390,000</b>	<b>780.00%</b>
<b>Grand Total</b>	<b>\$ 1,677,593</b>	<b>\$ 1,914,685</b>	<b>\$ 1,898,150</b>	<b>\$ 2,358,815</b>	<b>\$ 444,130</b>	<b>23.20%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$444,130 from the FY20 Original Budget. Major variances are explained below.

- Engineering/Consultant Service increased for an engineering design that is needed for the purchase and installation of a redundant press for sludge processing.
- Machinery increased to replace a screw press for dewatering that is necessary to meet a TCEQ requirement and to replace one non-potable water system pump.

## Rowlett Creek RWWTP

### Overview

The Rowlett Creek Regional Wastewater Treatment Plant is a 24 MGD activated sludge plant located at 1401 Los Rios Boulevard in Plano, Texas that treats wastewater from the Cities of Plano and Richardson.

### FY2021 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

<b>Rowlett Creek RWWTP</b>			
<b>Full-Time Positions</b>	<b>FY20</b>	<b>FY21</b>	<b>Difference</b>
Administrative Technician	1.0	1.0	-
Asset Risk Manager	1.0	1.0	-
Chief Wastewater Plant Operator	1.0	1.0	-
Information Systems Assistant	1.0	1.0	-
Lead Dewatering Plant Operator	1.0	1.0	-
Lead Maintenance Technician	1.0	1.0	-
Lead Wastewater Plant Operator	3.0	3.0	-
Mechanic's Assistant	1.0	1.0	-
Transport Driver	4.0	4.0	-
Wastewater Mechanic	1.0	1.0	-
Wastewater Plant Operator II	6.0	7.0	1.0
Wastewater Plant Operator III	6.0	6.0	-
Wastewater Plant Supervisor II	1.0	1.0	-
Wastewater Technician I	0.5	0.5	-
<b>Total Full-Time Positions</b>	<b>28.5</b>	<b>29.5</b>	<b>1.0</b>

### Expense Detail

<b>Rowlett Creek RWWTP</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2019-20</b>	<b>2020-21</b>	<b>Variance \$</b>	<b>Variance %</b>
<b>Expense Category</b>	<b>Actual</b>	<b>Original Budget</b>	<b>Amended Budget</b>	<b>Proposed Budget</b>	<b>To Original Budget</b>	<b>To Original Budget</b>
<b>Personnel</b>						
510000 - Wages	\$ 1,444,773	\$ 1,659,500	\$ 1,605,585	\$ 1,652,770	\$ (6,730)	-0.41%
511060 - Overtime	61,994	110,000	110,000	110,000	-	0.00%
512000 - Social Security	110,062	126,940	118,820	126,450	(490)	-0.39%
513000 - Workers' Comp Ins	37,047	42,290	38,620	36,010	(6,280)	-14.85%
513010 - Unemployment Ins	657	-	-	-	-	0.00%
513020 - Hospitalization Ins	392,378	425,855	394,780	419,700	(6,155)	-1.45%
513040 - Dental Ins	22,057	24,135	21,285	21,260	(2,875)	-11.91%
513060 - Life Ins	3,376	3,790	3,970	4,495	705	18.60%
514000 - Retirement	186,945	224,730	224,730	228,655	3,925	1.75%
514010 - Retiree - Insurance	38,135	39,210	39,210	39,895	685	1.75%
514020 - Comp Absences-vacation	-	20,610	20,610	1,865	(18,745)	-90.95%
514030 - Comp Absences-sick	-	24,390	24,390	5,020	(19,370)	-79.42%
515000 - Cell Phone Stipend	10,760	12,480	12,480	12,840	360	2.88%
<b>Personnel Total</b>	<b>\$ 2,308,184</b>	<b>\$ 2,713,930</b>	<b>\$ 2,614,480</b>	<b>\$ 2,658,960</b>	<b>\$ (54,970)</b>	<b>-2.03%</b>

Expense Detail (continued)

Rowlett Creek RWWT	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520100 - Office Supplies	\$ 3,296	\$ 1,500	\$ 6,000	\$ 5,000	\$ 3,500	233.33%
520110 - Computer Supplies	8,576	10,970	10,970	17,510	6,540	59.62%
520200 - Xerox Supplies	14,540	15,000	15,000	5,400	(9,600)	-64.00%
520300 - Clothing Supplies	19,273	18,375	19,075	18,725	350	1.90%
520600 - Fuel, Oil and Lube	84,944	106,720	96,720	106,710	(10)	-0.01%
520630 - Toll Fees	179	250	250	250	-	0.00%
520700 - Machine Oil & Lube	8,688	8,335	8,335	8,665	330	3.96%
520800 - Small Tools & Equip	12,215	31,750	31,750	71,520	39,770	125.26%
520810 - Fire Extinguishers	356	375	375	1,000	625	166.67%
520900 - Janitorial Supplies	1,432	2,710	2,710	2,910	200	7.38%
521000 - Laboratory Supplies	8,787	11,130	16,130	31,830	20,700	185.98%
521100 - Medical Supplies	22	1,000	1,000	1,355	355	35.50%
521110 - Safety Supplies	9,070	11,520	12,520	37,100	25,580	222.05%
521200 - Chem - Other	106,716	175,230	220,230	186,720	11,490	6.56%
521201 - Chem - Lime	-	25,380	380	-	(25,380)	-100.00%
521203 - Chem - Chlorine	191,855	187,020	187,020	187,020	-	0.00%
521209 - Chem - Polymers	207,670	380,350	366,350	330,350	(50,000)	-13.15%
521210 - Chem - Hypochlorite	3,121	17,500	16,000	17,850	350	2.00%
521211 - Chem - Sulfur Dioxide	94,887	114,750	129,750	117,000	2,250	1.96%
521212 - Chem - Liq Ferr Sulfate	225,564	321,950	324,450	361,620	39,670	12.32%
521214 - Chem - Caustic	4,152	24,840	2,840	12,220	(12,620)	-50.81%
521300 - Botanical Supplies	339	1,000	1,000	6,500	5,500	550.00%
521400 - Electrical Supplies	59,076	98,000	115,000	88,260	(9,740)	-9.94%
521500 - Mechanical Supplies	240,489	213,150	228,150	120,550	(92,600)	-43.44%
521700 - Building Supplies	10,182	10,000	10,000	10,000	-	0.00%
521900 - Vehicle Supplies	45,754	29,500	29,500	32,500	3,000	10.17%
521910 - Tires and Tubes	16,703	25,220	25,220	25,220	-	0.00%
522000 - Equipment Supplies	14,919	16,250	9,850	16,250	-	0.00%
522100 - Welding Supplies	2,738	2,400	2,400	3,100	700	29.17%
522200 - Road Maint Supplies	1,140	2,500	6,500	2,500	-	0.00%
523000 - Other Supplies	59,855	84,800	69,800	63,800	(21,000)	-24.76%
<b>Supplies Total</b>	<b>\$ 1,456,535</b>	<b>\$ 1,949,475</b>	<b>\$ 1,965,275</b>	<b>\$ 1,889,435</b>	<b>\$ (60,040)</b>	<b>-3.08%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 16,095	\$ 17,235	\$ 17,235	\$ 15,885	\$ (1,350)	-7.83%
530400 - Fire & Exten Cov Ins	11,224	13,305	13,305	15,525	2,220	16.69%
530900 - General Liability Ins	5,442	7,060	8,560	8,285	1,225	17.35%
531000 - Telephone	1,698	1,800	1,800	1,800	-	0.00%
531020 - Internet Service	29,050	28,410	28,410	28,410	-	0.00%
531100 - Electric Power	808,787	774,800	774,800	1,200,000	425,200	54.88%
531110 - Nat Gas, Butane & Kero	-	720	720	720	-	0.00%
531120 - Retail Water Service	21,324	19,200	19,200	19,200	-	0.00%
531310 - Special Studies & Rpts	34,230	23,450	23,450	33,450	10,000	42.64%
531400 - Legal Service	26,690	19,450	19,450	21,000	1,550	7.97%
531700 - Advertising	-	1,500	1,500	1,590	90	6.00%
531800 - Rent or Lease Payment	1,725	7,500	7,500	12,300	4,800	64.00%

## 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	\$ 9,399	\$ 11,550	\$ 11,550	\$ 20,080	\$ 8,530	73.85%
532000 - Mem & Subscriptions	8,334	7,710	7,710	8,595	885	11.48%
532100 - Vehicle Maint	6,891	27,155	27,155	28,155	1,000	3.68%
532110 - Veh Maint by Solid Waste	22,824	15,000	20,000	25,000	10,000	66.67%
532200 - Equipment Maintenance	63,888	99,000	77,000	470,900	371,900	375.66%
532700 - Radio Maintenance	-	500	500	500	-	0.00%
532800 - Grounds Maintenance	8,383	15,930	15,930	17,010	1,080	6.78%
532850 - Building Maintenance	-	750	750	58,750	58,000	7733.33%
532900 - Electrical Sys Maint	66,145	149,320	121,320	88,420	(60,900)	-40.78%
533000 - Other Services	357,180	311,725	231,725	124,525	(187,200)	-60.05%
533020 - Contract Labor	500	-	-	-	-	0.00%
533030 - Contractual Safety Serv	1,125	8,535	8,535	8,535	-	0.00%
533100 - Administration	85,660	17,595	17,595	17,060	(535)	-3.04%
533380 - Odor Control Crew	-	30,000	30,000	20,000	(10,000)	-33.33%
533500 - Lab Svc - Contract	9,238	11,170	11,170	11,170	-	0.00%
533630 - Landfill Service Fees	781,213	887,625	847,985	839,025	(48,600)	-5.48%
533900 - Permits, Ins, & Lic Fees	74,724	77,160	77,160	79,175	2,015	2.61%
534000 - Uninsured losses	12	-	-	-	-	0.00%
Support Services	1,068,678	1,836,820	1,835,435	1,603,640	(233,180)	-12.69%
<b>Services Total</b>	<b>\$ 3,520,459</b>	<b>\$ 4,421,975</b>	<b>\$ 4,257,450</b>	<b>\$ 4,778,705</b>	<b>\$ 356,730</b>	<b>8.07%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 20,748	\$ -	\$ -	\$ 250,500	\$ 250,500	0.00%
540400 - Office Equipment	-	-	-	55,000	55,000	0.00%
540500 - Machinery	149,093	135,000	156,640	276,100	141,100	104.52%
540700 - Non-Vehicle Equipment	81,572	-	125,700	30,000	30,000	0.00%
<b>Capital Outlay Total</b>	<b>\$ 251,413</b>	<b>\$ 135,000</b>	<b>\$ 282,340</b>	<b>\$ 611,600</b>	<b>\$ 476,600</b>	<b>353.04%</b>
<b>Grand Total</b>	<b>\$ 7,536,592</b>	<b>\$ 9,220,380</b>	<b>\$ 9,119,545</b>	<b>\$ 9,938,700</b>	<b>\$ 718,320</b>	<b>7.79%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$718,320 from the FY20 Original Budget. Major variances are explained below.

- Personnel decreased because of lower projected Compensated Absences - Sick & Vacation and insurance costs.
- Electric Power increased due to the additional peak flow treatment capacity including UV for disinfection.
- Equipment Maintenance increased to rebuild a belt press to use in the new dewatering facility.
- Support Services allocation decreased for FY21.
- Vehicle equipment increased to purchase one roll-off truck and one crew cab truck that meet replacement requirements.
- Machinery increased to replace mixer gear drives and to automate the ferric system for dosing optimization.

## 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 that treats wastewater from the Cities of Forney, Heath, Mesquite, Rockwall and Seagoville.

### FY2021 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 RWWT

Full-Time Positions	FY20	FY21	Difference
Assistant Wastewater System Manager	1.0	1.0	-
Chief Wastewater Plant Operator	2.0	2.0	-
Information Systems Assistant	1.0	1.0	-
Lead Maintenance Technician	1.0	1.0	-
Lead Wastewater Plant Operator	4.0	4.0	-
Mechanic's Assistant	2.0	2.0	-
Regional Wastewater System Manager	1.0	1.0	-
Transport Driver	5.0	5.0	-
Wastewater Mechanic	1.0	1.0	-
Wastewater Plant Operator II	10.0	11.0	1.0
Wastewater Plant Operator III	6.0	6.0	-
Wastewater Plant Supervisor III	1.0	1.0	-
<b>Total Full-Time Positions</b>	<b>35.0</b>	<b>36.0</b>	<b>1.0</b>

## Expense Detail

South Mesquite RWWT	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 2,105,989	\$ 2,226,615	\$ 2,283,160	\$ 2,284,430	\$ 57,815	2.60%
511060 - Overtime	311,652	248,000	243,250	248,000	-	0.00%
512000 - Social Security	176,901	169,300	178,875	174,305	5,005	2.96%
513000 - Workers' Comp Ins	58,747	56,830	56,645	49,290	(7,540)	-13.27%
513020 - Hospitalization Ins	443,905	451,285	474,030	498,240	46,955	10.40%
513040 - Dental Ins	21,890	22,650	22,610	22,885	235	1.04%
513060 - Life Ins	4,874	4,995	5,645	6,120	1,125	22.52%
514000 - Retirement	277,260	301,530	301,530	307,510	5,980	1.98%
514010 - Retiree - Insurance	56,560	52,605	52,605	53,650	1,045	1.99%
514020 - Comp Absences-vacation	26,760	11,695	11,695	38,285	26,590	227.36%
514030 - Comp Absences-sick	1,915	-	-	71,405	71,405	0.00%
515000 - Cell Phone Stipend	12,360	12,960	12,960	12,840	(120)	-0.93%
<b>Personnel Total</b>	<b>\$ 3,498,813</b>	<b>\$ 3,558,465</b>	<b>\$ 3,643,005</b>	<b>\$ 3,766,960</b>	<b>\$ 208,495</b>	<b>5.86%</b>

## Expense Detail (continued)

South Mesquite RWWT	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520100 - Office Supplies	\$ 5,889	\$ 6,140	\$ 6,140	\$ 6,140	\$ -	0.00%
520110 - Computer Supplies	10,262	10,130	22,130	17,890	7,760	76.60%
520200 - Xerox Supplies	4,694	5,400	9,400	4,800	(600)	-11.11%
520300 - Clothing Supplies	28,554	20,670	20,670	22,135	1,465	7.09%
520600 - Fuel, Oil and Lube	98,433	86,980	86,980	87,180	200	0.23%
520610 - Generator Fuel	2,000	11,000	11,000	11,000	-	0.00%
520630 - Toll Fees	9,560	3,600	3,600	3,000	(600)	-16.67%
520700 - Machine Oil & Lube	9,300	11,290	11,290	10,140	(1,150)	-10.19%
520800 - Small Tools & Equip	20,001	24,930	29,930	23,980	(950)	-3.81%
520810 - Fire Extinguishers	-	1,000	975	500	(500)	-50.00%
520900 - Janitorial Supplies	4,254	4,000	5,000	4,500	500	12.50%
521000 - Laboratory Supplies	12,211	8,235	12,235	8,830	595	7.23%
521100 - Medical Supplies	235	500	1,100	500	-	0.00%
521110 - Safety Supplies	28,940	34,410	29,405	22,810	(11,600)	-33.71%
521200 - Chem - Other	140,870	157,570	173,570	229,880	72,310	45.89%
521203 - Chem - Chlorine	171,451	61,100	88,800	23,200	(37,900)	-62.03%
521209 - Chem - Polymers	240,764	212,000	359,500	303,800	91,800	43.30%
521210 - Chem - Hypochlorite	-	14,690	8,690	14,690	-	0.00%
521211 - Chem - Sulfur Dioxide	106,935	34,425	43,655	-	(34,425)	-100.00%
521214 - Chem - Caustic	-	8,835	4,835	9,025	190	2.15%
521215 - Chem - Bioxide	312,815	369,565	369,565	369,565	-	0.00%
521300 - Botanical Supplies	1,830	2,000	2,000	2,000	-	0.00%
521400 - Electrical Supplies	193,341	194,000	154,000	203,900	9,900	5.10%
521500 - Mechanical Supplies	241,909	288,450	248,450	298,700	10,250	3.55%
521700 - Building Supplies	747	7,500	7,500	7,500	-	0.00%
521900 - Vehicle Supplies	38,778	52,400	60,400	40,250	(12,150)	-23.19%
521910 - Tires and Tubes	20,459	32,360	21,360	31,680	(680)	-2.10%
522000 - Equipment Supplies	84,506	116,275	106,275	104,525	(11,750)	-10.11%
522100 - Welding Supplies	3,666	2,500	2,500	2,500	-	0.00%
522200 - Road Maint Supplies	-	3,000	3,000	3,000	-	0.00%
523000 - Other Supplies	56,884	80,225	244,100	81,040	815	1.02%
<b>Supplies Total</b>	<b>\$ 1,849,289</b>	<b>\$ 1,865,180</b>	<b>\$ 2,148,055</b>	<b>\$ 1,948,660</b>	<b>\$ 83,480</b>	<b>4.48%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 19,242	\$ 20,970	\$ 20,970	\$ 17,530	\$ (3,440)	-16.40%
530400 - Fire & Exten Cov Ins	24,642	29,210	29,210	34,155	4,945	16.93%
530900 - General Liability Ins	3,484	5,645	5,645	5,480	(165)	-2.92%
531000 - Telephone	3,877	3,480	3,780	4,800	1,320	37.93%
531020 - Internet Service	80,139	80,880	80,880	80,880	-	0.00%
531100 - Electric Power	726,599	996,100	996,100	1,000,000	3,900	0.39%
531120 - Retail Water Service	7,026	7,200	7,200	7,200	-	0.00%

## Expense Detail (continued)

South Mesquite RWWTP	2018-19	2019-20	2019-20	2020-21	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	\$ 2,500	\$ -	\$ -	\$ -	-	0.00%
531310 - Special Studies & Rpts	43,674	73,430	33,430	86,860	13,430	18.29%
531400 - Legal Service	29,090	24,250	24,250	11,000	(13,250)	-54.64%
531700 - Advertising	133	1,500	1,500	1,590	90	6.00%
531800 - Rent or Lease Payment	8,351	12,500	142,500	17,800	5,300	42.40%
531900 - Travel and Training	18,894	30,050	10,050	42,380	12,330	41.03%
532000 - Mem & Subscriptions	8,009	12,760	12,760	12,830	70	0.55%
532100 - Vehicle Maint	17,356	12,265	42,265	26,805	14,540	118.55%
532110 - Veh Maint by Solid Waste	19,395	18,000	20,000	19,200	1,200	6.67%
532200 - Equipment Maintenance	140,836	239,000	319,000	202,500	(36,500)	-15.27%
532800 - Grounds Maintenance	12,748	32,000	32,000	34,000	2,000	6.25%
532850 - Building Maintenance	97,010	231,000	202,000	274,000	43,000	18.61%
532900 - Electrical Sys Maint	31,018	31,750	101,000	125,000	93,250	293.70%
533000 - Other Services	156,025	195,075	239,075	114,575	(80,500)	-41.27%
533020 - Contract Labor	1,750	12,000	-	12,000	-	0.00%
533030 - Contractual Safety Serv	1,125	11,520	11,520	1,760	(9,760)	-84.72%
533100 - Administration	117,690	23,545	23,545	22,260	(1,285)	-5.46%
533380 - Odor Control Crew	-	20,000	10,000	6,000	(14,000)	-70.00%
533500 - Lab Svc - Contract	8,800	11,930	11,930	11,930	-	0.00%
533630 - Landfill Service Fees	1,155,645	1,170,390	1,170,390	1,241,370	70,980	6.06%
533900 - Permits, Ins, & Lic Fees	121,350	127,380	127,380	129,440	2,060	1.62%
Support Services	1,433,468	2,213,180	2,203,285	2,391,760	178,580	8.07%
<b>Services Total</b>	<b>\$ 4,289,877</b>	<b>\$ 5,647,010</b>	<b>\$ 5,881,665</b>	<b>\$ 5,935,105</b>	<b>\$ 288,095</b>	<b>5.10%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 37,637	\$ 55,000	\$ 56,600	\$ 330,000	\$ 275,000	500.00%
540500 - Machinery	288,589	409,000	399,225	297,000	(112,000)	-27.38%
540700 - Non-Vehicle Equipment	-	-	43,500	-	-	0.00%
541000 - Laboratory Equipment	5,407	-	-	-	-	0.00%
542000 - Other Capital Outlay	103,098	-	-	120,000	120,000	0.00%
<b>Capital Outlay Total</b>	<b>\$ 434,731</b>	<b>\$ 464,000</b>	<b>\$ 499,325</b>	<b>\$ 747,000</b>	<b>\$ 283,000</b>	<b>60.99%</b>
<b>Grand Total</b>	<b>\$10,072,710</b>	<b>\$11,534,655</b>	<b>\$12,172,050</b>	<b>\$12,397,725</b>	<b>\$ 863,070</b>	<b>7.48%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$863,070 from the FY20 Original Budget. Major variances are explained below.

- Personnel increased due to adding an additional Wastewater Plant Operator II and higher projected Compensated Absences - Sick & Vacation and insurance costs.
- Chemicals - Polymers increased due to higher chemical costs and corrected usage estimates.
- Electrical System Maintenance increased for the biannual electrical inspection and maintenance.
- Support Services allocation increased due to higher Support Fund expenses.
- Vehicle Equipment increased to purchase a roll-off truck and four trucks that meet the replacement criteria.
- Other Capital Outlay increased for the coating of weirs, rake assembly and center well to preserve the integrity of the equipment.

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 FY19 the UEFIS conveyed approximately 27.8 billion gallons of wastewater.

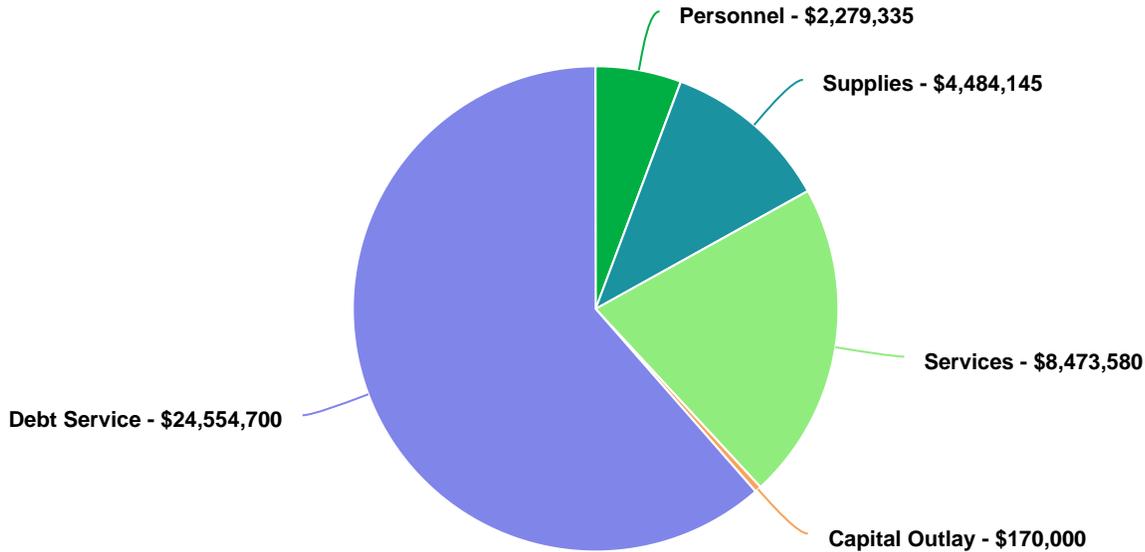
### Revenues and Expenditures

Category	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>	<b>\$ 34,429,904</b>	<b>\$ 38,859,130</b>	<b>\$ 38,932,755</b>	<b>\$ 39,961,760</b>	<b>\$ 1,102,630</b>	<b>2.84%</b>
<b>Expenditures</b>						
Personnel	\$ 1,960,892	\$ 2,331,625	\$ 2,283,460	\$ 2,279,335	\$ (52,290)	-2.24%
Supplies	2,814,328	3,373,955	3,309,545	4,484,145	1,110,190	32.90%
Services	5,962,180	7,984,080	8,134,270	8,473,580	489,500	6.13%
Capital Outlay	93,429	240,950	279,070	170,000	(70,950)	-29.45%
Escrow	58,030	58,030	58,030	-	(58,030)	-100.00%
Debt Service	23,541,045	24,870,490	24,868,380	24,554,700	(315,790)	-1.27%
<b>Total</b>	<b>\$ 34,429,904</b>	<b>\$ 38,859,130</b>	<b>\$ 38,932,755</b>	<b>\$ 39,961,760</b>	<b>\$ 1,102,630</b>	<b>2.84%</b>

The FY20 Amended Budget for expenditures and revenues totals \$38,932,755, which is greater than the FY20 Original Budget of \$38,859,130. The reason for the Amended Budget increase is related to emergency valve replacements at the Upper Rowlett Lift Station as well as influent pipe repairs at the Upper Cottonwood Lift Station. These expenditures were approved by the Board and funds from maintenance reserves were transferred to cover the costs. For the FY21 Annual Budget, the total UEFIS expenditures are \$39,961,760, which is \$1,102,630 or 2.84% greater than the FY20 Original Budget. Major budget variances are explained below:

- Increase in Supplies of \$1,110,190 due primarily to additional chemicals to improve performance and efficiency based on the UEFIS Odor and Corrosion Control Master Plan and for the proactive management of odor control systems.
- Increase in Services of \$489,500 due to the allocation of Support Fund expenses.
- Decrease in Debt Service of (\$315,790) as a result of no Capital Improvement Fund transfers.
- Decrease in Personnel of (\$52,290). The FY21 budget funds no market / merit based adjustments for existing staff.

### 2020-21 BUDGETED EXPENDITURES

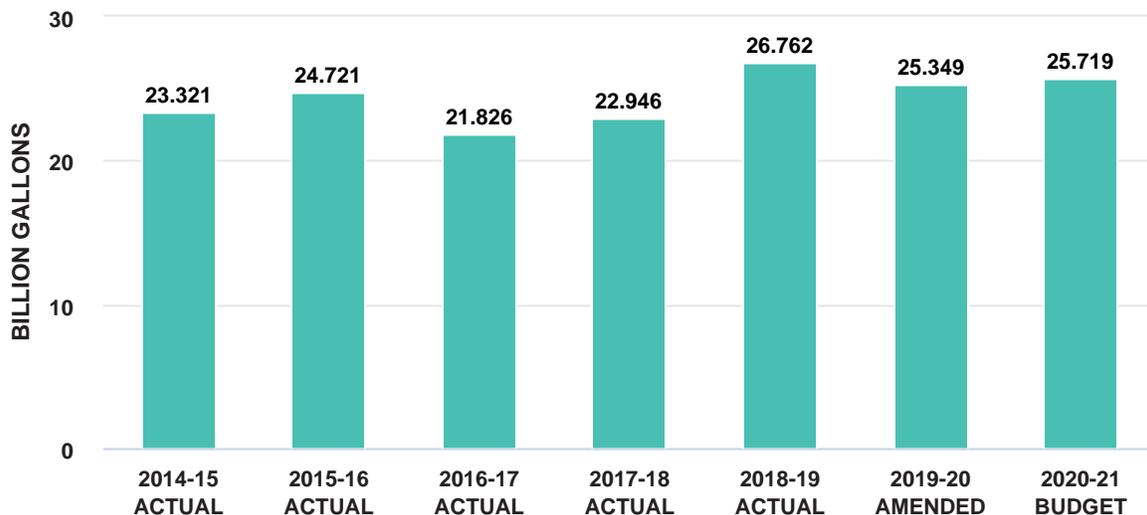


### Annual Flows

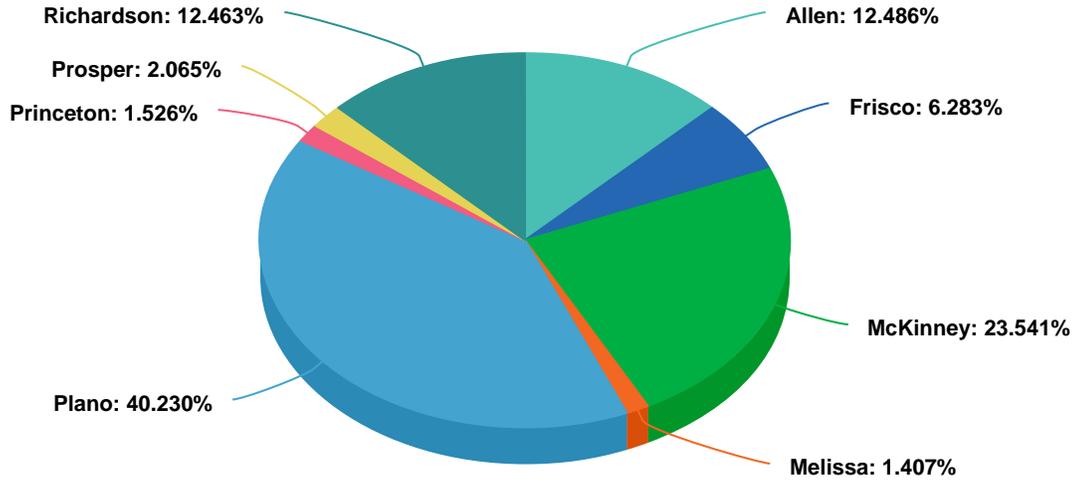
UEFIS has been constructed under a common bond pledge and the participating cities share the cost for wastewater transportation on the basis of proportional flows. Charges are based on current budgeted expenditures and are allocated to each city at the beginning of the year based on estimated flows. 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 estimated annual flows for FY20 are 25.3 billion gallons, which is 7.3% more than expected. Member City flows for FY21 are estimated to be 25.7 billion gallons. Member City flow information is presented below.

### UEFIS MEMBER CITY ANNUAL FLOWS



### 2020-21 MEMBER CITY COST ALLOCATION



### Member City Charges

Cities	2018-19		2019-20		2019-20		2020-21	
	Actuals		Original Budget		Amended Budget		Proposed Budget	
Allen	\$ 4,162,783	\$	4,844,234	\$	4,620,979	\$	4,766,881	
Frisco	1,946,497		2,042,380		2,325,149		2,398,564	
McKinney	7,827,837		8,975,560		8,712,320		8,987,403	
Melissa	217,084		562,329		528,423		536,983	
Plano	12,886,770		14,531,138		14,888,737		15,358,833	
Princeton	436,705		488,256		564,747		582,579	
Prosper	659,249		825,546		775,770		788,337	
Richardson	3,980,836		4,452,627		4,612,635		4,758,275	
<b>Total</b>	<b>\$ 32,117,762</b>	<b>\$</b>	<b>36,722,070</b>	<b>\$</b>	<b>37,028,760</b>	<b>\$</b>	<b>38,177,855</b>	
<b>Flow</b>	<b>26,762,292</b>		<b>23,623,365</b>		<b>25,349,702</b>		<b>25,719,095</b>	
<b>Cost per 1,000</b>	<b>\$ 1.20</b>	<b>\$</b>	<b>1.55</b>	<b>\$</b>	<b>1.46</b>	<b>\$</b>	<b>1.48</b>	

### Cost Allocation for Member Cities

The total charges to be allocated to the Member Cities for FY21 are \$38,177,855 after deducting interest and other revenue in the estimated amount of \$1,783,905 from the proposed budget of \$39,961,760.

**UEFIS Fund Balances**

**Capital Improvement Fund  
9/30/20**

**Projected Balance:**

08/31/20	Fund Balance	\$ 4,204,178
	Remaining Payments to be made on Authorized Projects	(884,782)
	Remaining Budgeted Transfers from Operating Fund	29,167
09/30/20	Expected Fund Balance	<u>3,348,563</u>
	Balance Transfers from Operating Fund	-
	Expected Projects	-
	Interest Income	26,789
09/30/21	Balance Available for Future Projects	<u><u>\$ 3,375,352</u></u>

**Reserve for Maintenance Fund  
9/30/20**

**Projected Balance:**

09/30/20	Expected Fund Balance	\$ 1,507,916
	Balance Transfers from Operating Fund	-
	Expected Projects	-
	Interest Income	12,063
09/30/21	Balance Available for Future Projects	<u><u>\$ 1,519,979</u></u>

**Preventative Maintenance Escrow  
9/30/20**

**Projected Balance:**

09/30/20	Expected Fund Balance	\$ 1,055,283
	Balance Transfers from Operating Fund	-
	Expected Projects	-
	Interest Income	8,442
09/30/21	Balance Available for Future Projects	<u><u>\$ 1,063,726</u></u>

## Upper East Fork Interceptor System

### FY2021 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	FY20	FY21	Difference
Chief Wastewater Conveyance Operator	1.0	1.0	-
CMOM Program Manager	1.0	1.0	-
Information Systems Assistant	1.0	1.0	-
Lead Wastewater Conveyance Operator	2.0	2.0	-
Lead Wastewater Plant Operator	1.0	1.0	-
Odor Control Worker	2.0	2.0	-
Professional Engineer	1.0	1.0	-
Wastewater Conveyance Operator II	8.0	8.0	-
Wastewater Conveyance Operator III	3.0	3.0	-
Wastewater Conveyance Supervisor II	1.0	1.0	-
Wastewater Conveyance System Manager	1.0	1.0	-
Wastewater Technician I	0.3	0.3	-
<b>Total Full-Time Positions</b>	<b>22.3</b>	<b>22.3</b>	<b>-</b>

### Expense Detail

UEFIS						
Expense Category	2018-19 Actual	2019-20 Original Budget	2019-20 Amended Budget	2020-21 Proposed Budget	Variance \$ To Original Budget	Variance % To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 1,207,147	\$ 1,486,575	\$ 1,471,340	\$ 1,468,495	\$ (18,080)	-1.22%
511060 - Overtime	119,617	135,000	135,000	135,000	-	0.00%
512000 - Social Security	96,410	111,755	108,860	110,630	(1,125)	-1.01%
513000 - Workers' Comp Ins	26,391	31,840	30,370	25,895	(5,945)	-18.67%
513020 - Hospitalization Ins	270,710	315,110	288,730	302,585	(12,525)	-3.97%
513040 - Dental Ins	15,074	17,955	15,505	15,565	(2,390)	-13.31%
513060 - Life Ins	2,764	3,345	3,610	3,930	585	17.49%
514000 - Retirement	156,975	186,880	186,880	173,180	(13,700)	-7.33%
514010 - Retiree - Insurance	32,025	32,605	32,605	30,215	(2,390)	-7.33%
514020 - Comp Absences-vacation	25,380	-	-	3,280	3,280	0.00%
515000 - Cell Phone Stipend	8,400	10,560	10,560	10,560	-	0.00%
<b>Personnel Total</b>	<b>\$ 1,960,892</b>	<b>\$ 2,331,625</b>	<b>\$ 2,283,460</b>	<b>\$ 2,279,335</b>	<b>\$ (52,290)</b>	<b>-2.24%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 1,817	\$ 2,200	\$ 2,350	\$ 2,750	\$ 550	25.00%
520110 - Computer Supplies	23,499	29,140	29,140	26,710	(2,430)	-8.34%
520200 - Xerox Supplies	10,690	10,800	10,800	10,800	-	0.00%
520300 - Clothing Supplies	10,293	13,335	13,335	13,125	(210)	-1.57%
520600 - Fuel, Oil and Lube	57,341	76,210	56,210	76,210	-	0.00%
520610 - Generator Fuel	14,561	15,000	21,000	17,000	2,000	13.33%
520630 - Toll Fees	2,566	2,000	2,500	2,500	500	25.00%
520700 - Machine Oil & Lube	1,357	2,500	2,500	2,500	-	0.00%
520800 - Small Tools & Equip	97,556	156,720	156,720	156,720	-	0.00%
520810 - Fire Extinguishers	676	300	300	300	-	0.00%

**Expense Detail (continued)**

UEFIS	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies (continued)</b>						
520900 - Janitorial Supplies	\$ 1,434	\$ 1,500	\$ 1,500	\$ 1,500	\$ -	0.00%
521000 - Laboratory Supplies	-	500	550	500	-	0.00%
521100 - Medical Supplies	-	4,000	4,000	4,000	-	0.00%
521110 - Safety Supplies	35,971	23,625	23,625	33,075	9,450	40.00%
521200 - Chem - Other	151,790	204,500	210,500	1,739,500	1,535,000	750.61%
521208 - Chem - Ferric Chloride	221,780	214,705	214,705	1,400,000	1,185,295	552.06%
521215 - Chem - Bioxide	1,509,179	2,002,700	1,966,700	500,000	(1,502,700)	-75.03%
521217 - Chem - Hydro Peroxide	161,268	159,140	189,140	40,000	(119,140)	-74.86%
521300 - Botanical Supplies	213	100	100	100	-	0.00%
521400 - Electrical Supplies	127,285	130,000	97,780	130,000	-	0.00%
521500 - Mechanical Supplies	108,807	120,000	105,000	120,000	-	0.00%
521600 - Pipeline Supplies	206,864	75,600	126,710	120,600	45,000	59.52%
521700 - Building Supplies	6,330	7,000	7,000	7,000	-	0.00%
521900 - Vehicle Supplies	9,877	12,350	12,350	12,350	-	0.00%
521910 - Tires and Tubes	10,399	12,160	12,160	12,160	-	0.00%
522000 - Equipment Supplies	21,064	84,450	29,450	40,125	(44,325)	-52.49%
522100 - Welding Supplies	-	100	100	100	-	0.00%
522200 - Road Maint Supplies	14,223	6,000	6,000	7,200	1,200	20.00%
523000 - Other Supplies	7,488	7,320	7,320	7,320	-	0.00%
<b>Supplies Total</b>	<b>\$ 2,814,328</b>	<b>\$ 3,373,955</b>	<b>\$ 3,309,545</b>	<b>\$ 4,484,145</b>	<b>\$ 1,110,190</b>	<b>32.90%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 10,855	\$ 12,080	\$ 12,080	\$ 10,185	\$ (1,895)	-15.69%
530400 - Fire & Exten Cov Ins	29,456	34,915	42,900	50,975	16,060	46.00%
530530 - Pollution Cont Liab Ins	500	525	530	560	35	6.67%
530900 - General Liability Ins	10,738	17,825	29,580	26,045	8,220	46.12%
531020 - Internet Service	49,693	50,280	44,280	50,280	-	0.00%
531100 - Electric Power	1,197,210	1,480,000	1,480,000	1,480,000	-	0.00%
531120 - Retail Water Service	29,505	38,400	33,400	38,400	-	0.00%
531200 - Bank Service Fees	457	680	475	700	20	2.94%
531300 - Engin/Consultant Svc	76,982	-	-	-	-	0.00%
531310 - Special Studies & Rpts	560,512	451,500	451,500	311,500	(140,000)	-31.01%
531400 - Legal Service	2,720	20,000	5,000	10,000	(10,000)	-50.00%
531700 - Advertising	685	500	500	750	250	50.00%
531800 - Rent or Lease Payment	106,684	60,000	60,000	80,000	20,000	33.33%
531900 - Travel and Training	9,887	23,250	23,250	22,610	(640)	-2.75%
532000 - Mem & Subscriptions	763	845	845	925	80	9.47%
532100 - Vehicle Maint	4,615	4,000	13,000	5,000	1,000	25.00%
532110 - Veh Maint by Solid Waste	7,203	3,000	6,000	4,000	1,000	33.33%
532200 - Equipment Maintenance	118,231	300,000	300,000	265,000	(35,000)	-11.67%
532220 - Pipeline Maintenance	1,614,557	2,057,900	2,257,900	2,175,000	117,100	5.69%
532230 - Facilities Maintenance	12,679	160,000	230,000	185,000	25,000	15.63%
532800 - Grounds Maintenance	66,963	215,220	65,220	220,040	4,820	2.24%
532900 - Electrical Sys Maint	95,191	102,950	118,950	130,000	27,050	26.27%
533000 - Other Services	203,793	116,500	261,500	35,000	(81,500)	-69.96%

Expense Detail (continued)

UEFIS	2018-19	2019-20	2019-20	2020-21	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	\$ 749	\$ 21,740	\$ 21,740	\$ 25,440	\$ 3,700	17.02%
533100 - Administration	126,820	26,210	26,210	25,025	(1,185)	-4.52%
533380 - Odor Control Crew	67,853	-	-	-	-	0.00%
533630 - Landfill Service Fees	755	5,000	3,000	5,000	-	0.00%
533640 - Hauling Fees	588	5,000	2,000	5,000	-	0.00%
534000 - Uninsured losses	1,000	-	1,000	-	-	0.00%
Support Services	1,554,537	2,775,760	2,643,410	3,311,145	535,385	19.29%
<b>Services Total</b>	<b>\$ 5,962,180</b>	<b>\$ 7,984,080</b>	<b>\$ 8,134,270</b>	<b>\$ 8,473,580</b>	<b>\$ 489,500</b>	<b>6.13%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ -	\$ 120,950	\$ 126,850	\$ -	\$ (120,950)	-100.00%
540700 - Non-Vehicle Equipment	93,429	120,000	152,220	170,000	50,000	41.67%
<b>Capital Outlay Total</b>	<b>\$ 93,429</b>	<b>\$ 240,950</b>	<b>\$ 279,070</b>	<b>\$ 170,000</b>	<b>\$ (70,950)</b>	<b>-29.45%</b>
<b>Escrow</b>						
550660 - Rsv for Maintenance	\$ 58,030	\$ 58,030	\$ 58,030	\$ -	\$ (58,030)	-100.00%
<b>Escrow Total</b>	<b>\$ 58,030</b>	<b>\$ 58,030</b>	<b>\$ 58,030</b>	<b>\$ -</b>	<b>\$ (58,030)</b>	<b>-100.00%</b>
<b>Capital Improvement</b>						
573010 - Tsf to Capital Impr	\$ 1,766,825	\$ 350,000	\$ 350,000	\$ -	\$ (350,000)	-100.00%
<b>Capital Improvement Total</b>	<b>\$ 1,766,825</b>	<b>\$ 350,000</b>	<b>\$ 350,000</b>	<b>\$ -</b>	<b>\$ (350,000)</b>	<b>-100.00%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 21,759,575	\$ 24,500,000	\$ 24,500,000	\$ 24,534,800	\$ 34,800	0.14%
579000 - Bond Service Fees	14,645	20,490	18,380	19,900	(590)	-2.88%
<b>Debt Service Total</b>	<b>\$21,774,220</b>	<b>\$24,520,490</b>	<b>\$24,518,380</b>	<b>\$24,554,700</b>	<b>\$ 34,210</b>	<b>0.14%</b>
<b>Grand Total</b>	<b>\$34,429,904</b>	<b>\$38,859,130</b>	<b>\$38,932,755</b>	<b>\$39,961,760</b>	<b>\$ 1,102,630</b>	<b>2.84%</b>

Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$1,102,630 from the FY20 Original Budget. Major variances are explained below.

- Chemicals increased for additional chemicals to improve performance and efficiency and for the proactive management of odor control systems.
- Support Services allocation increased due to higher Support Fund expenses.
- Vehicle Equipment decreased because no vehicles will be purchased or replaced in FY 2021.
- Debt Service decreased as a result of no Capital Improvement Fund transfers.

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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 11 wastewater treatment plants (WWTPs) in the Sewer System. Two of the plants have been out of service for many years and their respective budgets contain 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 is a 2 MGD extended air treatment facility that can treat wastewater flow from Wylie. The decommissioned plant is located at 806 Alanis in Wylie. Flow was diverted to the Muddy Creek WWTP. The plant discharged into a small tributary of Muddy Creek, which flows into Lake Ray Hubbard. The NTMWD retained the discharge permit so the plant can be placed back into service if additional capacity is needed in the future.

#### **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 the 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**

The 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 the 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 FY20 Original and Amended Budgets and the Proposed FY21 Budget.

	2018-19 Actual	2019-20 Original	2019-20 Amended	2020-21 Proposed
<b>Water Facilities:</b>				
Little Elm Water Transmission Facilities	\$ 387,228	\$ 397,005	\$ 397,005	\$ 403,290
Plano Water Transmission Facilities	-	4,160	4,160	3,670
Kaufman 4-1 Water Distribution Facilities	86,292	69,755	69,745	87,065
Rockwall-Heath Water Storage Facilities	223,896	226,565	226,565	229,375
Terrell Water Transmission Facilities	709,394	719,545	719,545	722,995
Rockwall Water Pump Station Facilities	166,306	168,555	168,555	171,100
<b>Total</b>	<b>\$ 1,573,117</b>	<b>\$ 1,585,585</b>	<b>\$ 1,585,575</b>	<b>\$ 1,617,495</b>
<b>Sewer Facilities:</b>				
Wylie WWTP	\$ 30,742	\$ 34,975	\$ 35,140	\$ 40,385
South Rockwall WWTP	1,316,100	1,809,325	1,815,580	1,763,110
North Rockwall WWTP	604,359	606,765	652,865	623,205
Panther Creek WWTP	8,859,095	7,945,045	7,940,375	9,225,175
Sabine Creek WWTP	2,509,514	2,674,905	2,682,560	2,815,450
Stewart Creek WWTP	9,359,935	9,341,650	9,273,260	9,690,650
Muddy Creek WWTP	6,935,568	7,430,605	7,420,250	7,538,395
Seis Lagos WWTP	196,526	216,140	218,190	251,295
Royse City WWTP	15,790	26,675	26,840	25,030
Farmersville WWTP	399,287	480,815	489,035	529,610
Frisco Cottonwood Creek WWTP	338	-	-	-
Lavon WWTP	251,985	363,105	367,155	420,825
<b>Total</b>	<b>\$ 30,479,240</b>	<b>\$ 30,930,005</b>	<b>\$ 30,921,250</b>	<b>\$ 32,923,130</b>
<b>Interceptor Facilities:</b>				
Forney Interceptor	\$ 445,655	\$ 519,430	\$ 521,160	\$ 517,820
Lower East Fork Interceptor	1,758,754	1,860,195	1,860,100	1,858,310
Muddy Creek Interceptor	466,696	476,780	476,765	862,630
Parker Creek Interceptor	446,964	469,585	469,575	960,335
Sabine Creek Interceptor	310,139	306,425	308,275	301,845
Buffalo Creek Interceptor	2,881,331	2,586,110	2,584,800	3,099,530
McKinney Interceptor	195,176	400,675	305,595	52,650
Mustang Creek Interceptor	1,667,992	1,516,375	1,516,335	2,314,180
Parker Creek Parallel Interceptor	115,370	112,300	112,300	116,575
<b>Total</b>	<b>\$ 8,288,077</b>	<b>\$ 8,247,875</b>	<b>\$ 8,154,905</b>	<b>\$ 10,083,875</b>
<b>Other:</b>				
Wastewater Pretreatment Program	\$ 918,016	\$ 1,194,595	\$ 1,186,045	\$ 1,197,820
<b>Total</b>	<b>\$ 918,016</b>	<b>\$ 1,194,595</b>	<b>\$ 1,186,045</b>	<b>\$ 1,197,820</b>
<b>TOTAL</b>	<b>\$ 41,258,449</b>	<b>\$ 41,958,060</b>	<b>\$ 41,847,775</b>	<b>\$ 45,822,320</b>

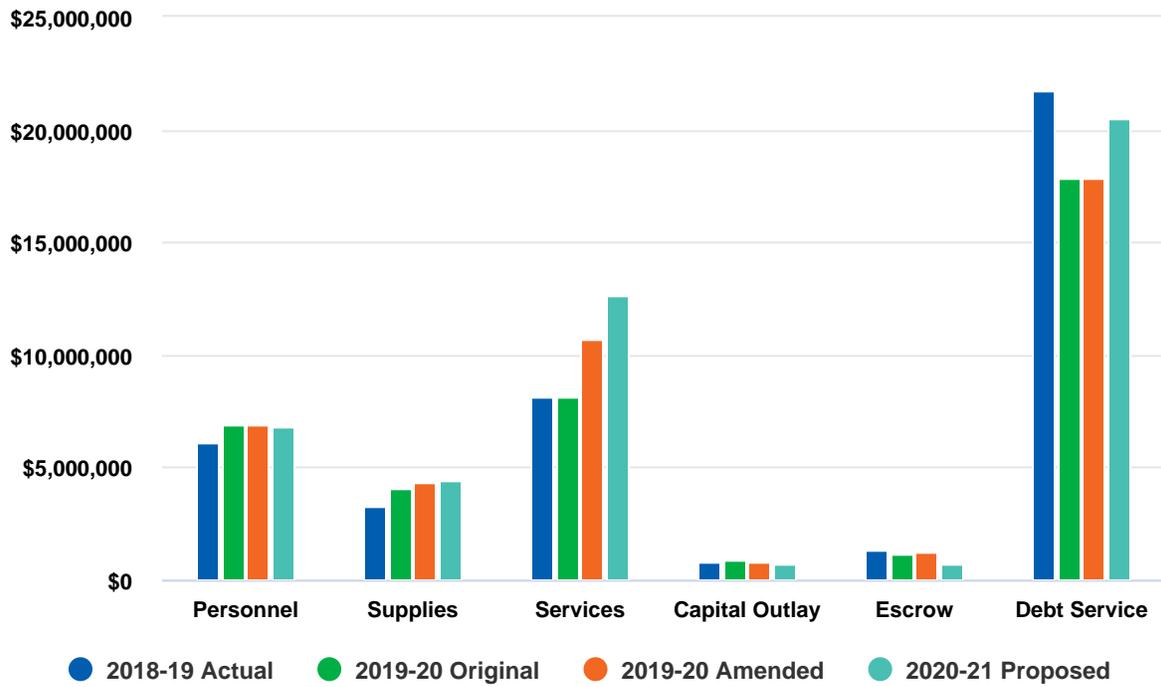
## Revenues and Expenditures

	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>	<b>\$ 41,258,449</b>	<b>\$ 41,958,060</b>	<b>\$ 41,847,775</b>	<b>\$ 45,822,320</b>	<b>\$ 3,864,260</b>	<b>9.21%</b>
<b>Expenditures</b>						
Personnel	\$ 6,074,874	\$ 6,869,975	\$ 6,856,585	\$ 6,817,070	(52,905)	-0.77%
Supplies	3,253,824	4,084,450	4,307,715	4,443,625	359,175	8.79%
Services	8,108,996	11,092,725	10,723,130	12,598,365	1,505,640	13.57%
Capital Outlay	774,620	855,525	823,690	695,000	(160,525)	-18.76%
Escrow	1,331,440	1,178,015	1,260,015	731,750	(446,265)	-37.88%
Debt Service	21,714,695	17,877,370	17,876,640	20,536,510	2,659,140	14.87%
<b>Total</b>	<b>\$ 41,258,449</b>	<b>\$ 41,958,060</b>	<b>\$ 41,847,775</b>	<b>\$ 45,822,320</b>	<b>\$ 3,864,260</b>	<b>9.21%</b>

The FY20 Amended Budget for expenditures totals \$41,847,775, which is \$110,285 or 0.26% less than the FY20 Original Budget of \$41,958,060. For the FY21 Proposed Budget, the total expenditures for Sewer System facilities requested are \$45,822,320, which is \$3,864,260 or 9.21% greater than the FY20 Original Budget. Major budget variances are explained below:

- Increase in Debt Service of \$2,659,140 is the net result of the following:
  - Bond issue for the construction of Buffalo Creek Parallel Interceptor and Buffalo Creek Interceptor Tunnel in Buffalo Creek Interceptor System.
  - Bond issue for the Forney Mustang Creek Lift Station Phase II and Forney Force Main Improvements.
  - Bond issue for the design of peak flow storage basin and operations building improvements at the Muddy Creek WWTP.
  - Increased FY21 debt service payments for the Panther Creek WWTP, Mustang Creek Interceptor and Buffalo Creek Interceptor.
- Increase in Services of \$1,505,640 due to the increased Pipeline Maintenance in multiple interceptor systems for inspections; however, this will be funded by the Preventative Maintenance Escrow account. Permits are higher for several permit renewals and the Support Fund allocation is increasing.
- Increase in Supplies of \$359,175 driven by the purchase of Electrical Supplies for the installation of a new SCADA monitoring system that will replace the current auto dialer system at multiple WWTPs. Mechanical Supplies increased for Stewart Creek WWTP to perform unforeseen repairs that were uncovered during the recent construction project. Chemicals increased due to higher costs and greater forecasted usage rates due to new system processes and odor/corrosion control.
- Decrease in Escrow of (\$446,265) related to reduced amounts being transferred to the Reserve for Maintenance and Preventative Maintenance Escrows.
- Decrease in Capital Outlay of (\$160,525) related to minimal Other Capital Outlay purchases.
- Decrease in Personnel of (\$52,905) due to the repurposing of vacant positions. The FY21 budget funds no market / merit based adjustments for existing staff.

### SEWER SYSTEM EXPENDITURES



## Sewer System Fund Balances

<u>System Name</u>	<u>Fund</u>	<u>Beginning Balance</u>	<u>Transfers from Operating</u>	<u>Interest Earnings</u>	<u>Expected Projects</u>	<u>Ending Balance</u>
Little Elm Water Transmission Facilities	Contingency	\$ 49,205	\$ -	\$ 394	\$ -	\$ 49,599
Plano Water Transmission Facilities	Contingency	\$ 74,132	\$ -	\$ 593	\$ -	\$ 74,725
Kaufman 4-1 Water Distribution Facilities	Reserve for Maintenance	\$ 49,843	\$ -	\$ 399	\$ -	\$ 50,242
Wylie WWTP	Equipment Replacement	\$ 25,058	\$ -	\$ 200	\$ -	\$ 25,259
South Rockwall WWTP	Preventative Maintenance	\$ 313,478	\$ -	\$ 2,508	\$ -	\$ 315,986
South Rockwall WWTP	Reserve for Maintenance	\$ 42,683	\$ -	\$ 341	\$ -	\$ 43,024
North Rockwall WWTP	Reserve for Maintenance	\$ 4,450	\$ -	\$ 36	\$ -	\$ 4,486
Panther Creek WWTP	Capital Improvement	\$ 539,820	\$ -	\$ 4,319	\$ -	\$ 544,138
Panther Creek WWTP	Preventative Maintenance	\$ 32,511	\$ -	\$ 260	\$ -	\$ 32,771
Panther Creek WWTP	Contingency	\$ 27,791	\$ -	\$ 222	\$ -	\$ 28,014
Sabine Creek WWTP	Capital Improvement	\$ 4,549	\$ -	\$ 36	\$ -	\$ 4,586
Sabine Creek WWTP	Preventative Maintenance	\$ 14,699	\$ -	\$ 118	\$ -	\$ 14,816
Sabine Creek WWTP	Contingency	\$ 53,590	\$ -	\$ 429	\$ -	\$ 54,019
Stewart Creek WWTP	Capital Improvement	\$ 515,395	\$ -	\$ 4,123	\$ -	\$ 519,518
Stewart Creek WWTP	Preventative Maintenance	\$ 23,043	\$ -	\$ 184	\$ -	\$ 23,228
Stewart Creek WWTP	Contingency	\$ 99,067	\$ -	\$ 793	\$ -	\$ 99,860
Muddy Creek WWTP	Capital Improvement	\$ 1,585	\$ -	\$ 13	\$ -	\$ 1,597
Muddy Creek WWTP	Preventative Maintenance	\$ 8,473	\$ -	\$ 68	\$ -	\$ 8,540
Muddy Creek WWTP	Contingency	\$ 14,428	\$ -	\$ 115	\$ -	\$ 14,543
Seis Lagos WWTP	Reserve for Maintenance	\$ 16,522	\$ 1,950	\$ 132	\$ -	\$ 18,604
Royse City WWTP	Reserve for Maintenance	\$ 10,575	\$ -	\$ 85	\$ -	\$ 10,659
Farmersville WWTP	Reserve for Maintenance	\$ 6,160	\$ -	\$ 49	\$ -	\$ 6,209

## Sewer System Fund Balances (continued)

<u>System Name</u>	<u>Fund</u>	<u>Beginning Balance</u>	<u>Transfers from Operating</u>	<u>Interest Earnings</u>	<u>Expected Projects</u>	<u>Ending Balance</u>
Lavon WWTP	Preventative Maintenance	\$ 4,211	\$ -	\$ 34	\$ -	\$ 4,244
Lavon WWTP	Reserve for Maintenance	\$ 12,915	\$ 4,800	\$ 103	\$ -	\$ 17,819
Forney Interceptor	Preventative Maintenance	\$ 230,434	\$ 90,000	\$ 1,843	\$ -	\$ 322,278
Forney Interceptor	Reserve for Maintenance	\$ 18,373	\$ -	\$ 147	\$ -	\$ 18,520
Lower East Fork Interceptor	Preventative Maintenance	\$ 481,534	\$ 45,000	\$ 3,852	\$ -	\$ 530,386
Lower East Fork Interceptor	Contingency	\$ 25,491	\$ -	\$ 204	\$ -	\$ 25,695
Muddy Creek Interceptor	Preventative Maintenance	\$ 324,514	\$ 115,000	\$ 2,596	\$ (385,000)	\$ 57,110
Muddy Creek Interceptor	Contingency	\$ 23,797	\$ -	\$ 190	\$ -	\$ 23,987
Parker Creek Interceptor	Capital Improvement	\$ 4,549	\$ -	\$ 36	\$ -	\$ 4,586
Parker Creek Interceptor	Preventative Maintenance	\$ 385,296	\$ 170,000	\$ 3,082	\$ (490,000)	\$ 68,379
Parker Creek Interceptor	Contingency	\$ 4,230	\$ -	\$ 34	\$ -	\$ 4,264
Sabine Creek Interceptor	Capital Improvement	\$ 1,461	\$ -	\$ 12	\$ -	\$ 1,473
Sabine Creek Interceptor	Preventative Maintenance	\$ 212,926	\$ 85,000	\$ 1,703	\$ -	\$ 299,629
Sabine Creek Interceptor	Contingency	\$ 5,471	\$ -	\$ 44	\$ -	\$ 5,514
Buffalo Creek Interceptor	Capital Improvement	\$ 63,615	\$ -	\$ 509	\$ -	\$ 64,124
Buffalo Creek Interceptor	Preventative Maintenance	\$ 462,835	\$ 140,000	\$ 3,703	\$ -	\$ 606,538
Buffalo Creek Interceptor	Contingency	\$ 162,244	\$ -	\$ 1,298	\$ -	\$ 163,541
McKinney Interceptor	Preventative Maintenance	\$ 225,133	\$ 15,000	\$ 1,801	\$ -	\$ 241,934
McKinney Interceptor	Reserve for Maintenance	\$ 15,607	\$ -	\$ 125	\$ -	\$ 15,732
Mustang Creek Interceptor	Capital Improvement	\$ 229,290	\$ -	\$ 1,834	\$ -	\$ 231,124
Mustang Creek Interceptor	Preventative Maintenance	\$ 252,352	\$ 65,000	\$ 2,019	\$ -	\$ 319,371
Mustang Creek Interceptor	Contingency	\$ 10,668	\$ -	\$ 85	\$ -	\$ 10,753
Parker Creek Parallel Interceptor	Capital Improvement	\$ 16,175	\$ -	\$ 129	\$ -	\$ 16,305
Parker Creek Parallel Interceptor	Preventative Maintenance	\$ 38,399	\$ -	\$ 307	\$ -	\$ 38,706
Parker Creek Parallel Interceptor	Contingency	\$ 30,718	\$ -	\$ 246	\$ -	\$ 30,964

## 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

### FY2021 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.

#### **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	2018-19	2019-20	2019-20	2020-21	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>						
422001-Water Facilities	\$ 386,401	\$ 396,095	\$ 396,505	\$ 402,790	\$ 6,695	1.69%
<b>Total Wastewater Sales</b>	<b>\$ 386,401</b>	<b>\$ 396,095</b>	<b>\$ 396,505</b>	<b>\$ 402,790</b>	<b>\$ 6,695</b>	<b>1.69%</b>
441000-Interest Income	\$ 827	\$ 910	\$ 500	\$ 500	\$ (410)	-45.05%
<b>Revenues Total</b>	<b>\$ 387,228</b>	<b>\$ 397,005</b>	<b>\$ 397,005</b>	<b>\$ 403,290</b>	<b>\$ 6,285</b>	<b>1.58%</b>
<b>Expenses Total</b>	<b>\$ (387,228)</b>	<b>\$ (397,005)</b>	<b>\$ (397,005)</b>	<b>\$ (403,290)</b>	<b>\$ (6,285)</b>	<b>1.58%</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	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<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>						
531200 - Bank Service Fees	\$ 3	\$ 5	\$ 5	\$ 5	\$ -	0.00%
533100 - Administration	45	10	10	10	-	0.00%
Support Services	390	2,730	2,730	2,615	(115)	-4.21%
<b>Services Total</b>	<b>\$ 438</b>	<b>\$ 2,745</b>	<b>\$ 2,745</b>	<b>\$ 2,630</b>	<b>\$ (115)</b>	<b>-4.19%</b>
<b>Escrow</b>						
550660 - Rsv for Maintenance	\$ 5,000	\$ -	\$ -	\$ -	\$ -	0.00%
<b>Escrow Total</b>	<b>\$ 5,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 378,000	\$ 389,000	\$ 389,000	\$ 395,400	\$ 6,400	1.65%
579000 - Bond Service Fees	3,790	4,260	4,260	4,260	-	0.00%
<b>Debt Service Total</b>	<b>\$ 381,790</b>	<b>\$ 393,260</b>	<b>\$ 393,260</b>	<b>\$ 399,660</b>	<b>\$ 6,400</b>	<b>1.63%</b>
<b>Grand Total</b>	<b>\$ 387,228</b>	<b>\$ 397,005</b>	<b>\$ 397,005</b>	<b>\$ 403,290</b>	<b>\$ 6,285</b>	<b>1.58%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$6,285 from the FY20 Original Budget. Major variances are explained below.

- No major variances

## Plano Water Transmission Facilities Revenues and Expenses

Plano Water Transmission Facilities	2018-19	2019-20	2019-20	2020-21	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>						
422001-Water Facilities	\$ (14,508)	\$ 3,685	\$ 3,855	\$ 3,365	\$ (320)	-8.68%
<b>Total Wastewater Sales</b>	<b>\$ (14,508)</b>	<b>\$ 3,685</b>	<b>\$ 3,855</b>	<b>\$ 3,365</b>	<b>\$ (320)</b>	<b>-8.68%</b>
<b>Other</b>						
459100-Tfr from Escrow Fund	\$ 3,000	\$ -	\$ -	\$ -	\$ -	0.00%
716000-Amort Deferred Inc or Exp	11,082	-	-	-	-	0.00%
<b>Total Other</b>	<b>\$ 14,082</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 426	\$ 475	\$ 305	\$ 305	\$ (170)	-35.79%
<b>Revenues Total</b>	<b>\$ -</b>	<b>\$ 4,160</b>	<b>\$ 4,160</b>	<b>\$ 3,670</b>	<b>\$ (490)</b>	<b>-11.78%</b>
<b>Expenses Total</b>	<b>\$ -</b>	<b>\$ (4,160)</b>	<b>\$ (4,160)</b>	<b>\$ (3,670)</b>	<b>\$ 490</b>	<b>-11.78%</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	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<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>						
Support Services	\$ -	\$ 3,160	\$ 3,160	\$ 2,670	\$ (490)	-15.51%
<b>Services Total</b>	<b>\$ -</b>	<b>\$ 3,160</b>	<b>\$ 3,160</b>	<b>\$ 2,670</b>	<b>\$ (490)</b>	<b>-15.51%</b>
<b>Grand Total</b>	<b>\$ -</b>	<b>\$ 4,160</b>	<b>\$ 4,160</b>	<b>\$ 3,670</b>	<b>\$ (490)</b>	<b>-11.78%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has decreased by \$490 from the FY20 Original Budget. Major variances are explained below.

- Support Services decreased due to a reduction of the Support Fund allocation.

## Kaufman Four-One Water Distribution Facilities

### Revenues and Expenses

Kaufman Four-One Water Distribution Facilities	2018-19	2019-20	2019-20	2020-21	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>						
422001-Water Facilities	\$ 69,099	\$ 69,590	\$ 69,730	\$ 87,050	\$ 17,460	25.09%
<b>Total Wastewater Sales</b>	<b>\$ 69,099</b>	<b>\$ 69,590</b>	<b>\$ 69,730</b>	<b>\$ 87,050</b>	<b>\$ 17,460</b>	<b>25.09%</b>
<b>Other</b>						
440140-Master Card Rebates	\$ 11	\$ -	\$ -	\$ -	\$ -	0.00%
459100-Tfr from Escrow Fund	17,000	-	-	-	-	0.00%
<b>Total Other</b>	<b>\$ 17,011</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 182	\$ 165	\$ 15	\$ 15	\$ (150)	-90.91%
<b>Revenues Total</b>	<b>\$ 86,292</b>	<b>\$ 69,755</b>	<b>\$ 69,745</b>	<b>\$ 87,065</b>	<b>\$ 17,310</b>	<b>24.82%</b>
<b>Expenses Total</b>	<b>\$ (86,292)</b>	<b>\$ (69,755)</b>	<b>\$ (69,745)</b>	<b>\$ (87,065)</b>	<b>\$ (17,310)</b>	<b>24.82%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>0.00%</b>				

### Expense Detail

Kaufman Four-One Water Distribution Facilities	2018-19	2019-20	2019-20	2020-21	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	\$ 500	\$ -	0.00%
521300 - Botanical Supplies	-	50	50	1,550	1,500	3000.00%
521400 - Electrical Supplies	11,365	5,000	5,000	5,000	-	0.00%
521500 - Mechanical Supplies	121	2,000	2,000	2,000	-	0.00%
521600 - Pipeline Supplies	4,646	1,000	1,000	7,000	6,000	600.00%
<b>Supplies Total</b>	<b>\$ 16,132</b>	<b>\$ 8,550</b>	<b>\$ 8,550</b>	<b>\$ 16,050</b>	<b>\$ 7,500</b>	<b>87.72%</b>
<b>Services</b>						
530400 - Fire & Exten Cov Ins	\$ 544	\$ 645	\$ 645	\$ 745	\$ 100	15.50%
531100 - Electric Power	35,243	35,000	35,000	35,000	-	0.00%
532800 - Grounds Maintenance	-	1,075	1,075	10,850	9,775	909.30%
533100 - Administration	785	145	145	130	(15)	-10.34%
Support Services	28,589	19,190	19,180	24,290	5,100	26.58%
<b>Services Total</b>	<b>\$ 65,161</b>	<b>\$ 56,055</b>	<b>\$ 56,045</b>	<b>\$ 71,015</b>	<b>\$ 14,960</b>	<b>26.69%</b>
<b>Escrow</b>						
550660 - Rsv for Maintenance	\$ 5,000	\$ 5,150	\$ 5,150	\$ -	\$ (5,150)	-100.00%
<b>Escrow Total</b>	<b>\$ 5,000</b>	<b>\$ 5,150</b>	<b>\$ 5,150</b>	<b>\$ -</b>	<b>\$ (5,150)</b>	<b>-100.00%</b>
<b>Grand Total</b>	<b>\$ 86,292</b>	<b>\$ 69,755</b>	<b>\$ 69,745</b>	<b>\$ 87,065</b>	<b>\$ 17,310</b>	<b>24.82%</b>

### Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$17,310 from the FY20 Original Budget. Major variances are explained below.

- Botanical Supplies increased to purchase barbed wire fence supplies.
- Pipeline Supplies increased to repair or replace an air release valve, a blow off valve and associated taps.
- Grounds Maintenance increased to replace the front gate, to repair or replace fencing and to perform other necessary site maintenance.

## Rockwall-Heath Water Storage Facilities Revenues and Expenses

Rockwall-Heath Water Storage Facilities	2018-19	2019-20	2019-20	2020-21	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>						
422001-Water Facilities	\$ 223,481	\$ 226,105	\$ 226,405	\$ 229,215	\$ 3,110	1.38%
<b>Total Wastewater Sales</b>	<b>\$ 223,481</b>	<b>\$ 226,105</b>	<b>\$ 226,405</b>	<b>\$ 229,215</b>	<b>\$ 3,110</b>	<b>1.38%</b>
441000-Interest Income	\$ 415	\$ 460	\$ 160	\$ 160	\$ (300)	-65.22%
<b>Revenues Total</b>	<b>\$ 223,896</b>	<b>\$ 226,565</b>	<b>\$ 226,565</b>	<b>\$ 229,375</b>	<b>\$ 2,810</b>	<b>1.24%</b>
<b>Expenses Total</b>	<b>\$ (223,896)</b>	<b>\$ (226,565)</b>	<b>\$ (226,565)</b>	<b>\$ (229,375)</b>	<b>\$ (2,810)</b>	<b>1.24%</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	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
531200 - Bank Service Fees	\$ 1	\$ 5	\$ 5	\$ 5	\$ -	0.00%
533100 - Administration	5	-	-	-	-	0.00%
Support Services	380	750	750	660	(90)	-12.00%
<b>Services Total</b>	<b>\$ 386</b>	<b>\$ 755</b>	<b>\$ 755</b>	<b>\$ 665</b>	<b>\$ (90)</b>	<b>-11.92%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 219,000	\$ 221,300	\$ 221,300	\$ 224,200	\$ 2,900	1.31%
579000 - Bond Service Fees	4,510	4,510	4,510	4,510	-	0.00%
<b>Debt Service Total</b>	<b>\$ 223,510</b>	<b>\$ 225,810</b>	<b>\$ 225,810</b>	<b>\$ 228,710</b>	<b>\$ 2,900</b>	<b>1.28%</b>
<b>Grand Total</b>	<b>\$ 223,896</b>	<b>\$ 226,565</b>	<b>\$ 226,565</b>	<b>\$ 229,375</b>	<b>\$ 2,810</b>	<b>1.24%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$2,810 from the FY20 Original Budget. Major variances are explained below.

- No major variances

## Terrell Water Transmission Facilities

### Revenues and Expenses

Terrell Water Transmission Facilities	2018-19	2019-20	2019-20	2020-21	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>						
422001-Water Facilities	\$ 708,066	\$ 718,085	\$ 718,690	\$ 722,140	\$ 4,055	0.56%
<b>Total Wastewater Sales</b>	<b>\$ 708,066</b>	<b>\$ 718,085</b>	<b>\$ 718,690</b>	<b>\$ 722,140</b>	<b>\$ 4,055</b>	<b>0.56%</b>
441000-Interest Income	\$ 1,328	\$ 1,460	\$ 855	\$ 855	\$ (605)	-41.44%
<b>Revenues Total</b>	<b>\$ 709,394</b>	<b>\$ 719,545</b>	<b>\$ 719,545</b>	<b>\$ 722,995</b>	<b>\$ 3,450</b>	<b>0.48%</b>
<b>Expenses Total</b>	<b>\$ (709,394)</b>	<b>\$ (719,545)</b>	<b>\$ (719,545)</b>	<b>\$ (722,995)</b>	<b>\$ (3,450)</b>	<b>0.48%</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	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
531200 - Bank Service Fees	\$ 4	\$ 5	\$ 5	\$ 5	-	0.00%
533100 - Administration	60	15	15	10	(5)	-33.33%
Support Services	4,620	3,755	3,755	3,030	(725)	-19.31%
<b>Services Total</b>	<b>\$ 4,684</b>	<b>\$ 3,775</b>	<b>\$ 3,775</b>	<b>\$ 3,045</b>	<b>\$ (730)</b>	<b>-19.34%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 700,200	\$ 710,900	\$ 710,900	\$ 715,800	\$ 4,900	0.69%
579000 - Bond Service Fees	4,510	4,870	4,870	4,150	(720)	-14.78%
<b>Debt Service Total</b>	<b>\$ 704,710</b>	<b>\$ 715,770</b>	<b>\$ 715,770</b>	<b>\$ 719,950</b>	<b>\$ 4,180</b>	<b>0.58%</b>
<b>Grand Total</b>	<b>\$ 709,394</b>	<b>\$ 719,545</b>	<b>\$ 719,545</b>	<b>\$ 722,995</b>	<b>\$ 3,450</b>	<b>0.48%</b>

### Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$3,450 from the FY20 Original Budget. Major variances are explained below.

- No major variances

## Rockwall Water Pump Station Facilities

### Revenues and Expenses

Rockwall Water Pump Station Facilities	2018-19	2019-20	2019-20	2020-21	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>						
422001-Water Facilities	\$ 166,003	\$ 168,215	\$ 168,405	\$ 170,950	\$ 2,735	1.63%
<b>Total Wastewater Sales</b>	<b>\$ 166,003</b>	<b>\$ 168,215</b>	<b>\$ 168,405</b>	<b>\$ 170,950</b>	<b>\$ 2,735</b>	<b>1.63%</b>
441000-Interest Income	\$ 303	\$ 340	\$ 150	\$ 150	\$ (190)	-55.88%
<b>Revenues Total</b>	<b>\$ 166,306</b>	<b>\$ 168,555</b>	<b>\$ 168,555</b>	<b>\$ 171,100</b>	<b>\$ 2,545</b>	<b>1.51%</b>
<b>Expenses Total</b>	<b>\$ (166,306)</b>	<b>\$ (168,555)</b>	<b>\$ (168,555)</b>	<b>\$ (171,100)</b>	<b>\$ (2,545)</b>	<b>1.51%</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	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
531200 - Bank Service Fees	\$ 1	\$ 5	\$ 5	\$ 5	-	0.00%
533100 - Administration	5	-	-	-	-	0.00%
Support Services	390	540	540	465	(75)	-13.89%
<b>Services Total</b>	<b>\$ 396</b>	<b>\$ 545</b>	<b>\$ 545</b>	<b>\$ 470</b>	<b>\$ (75)</b>	<b>-13.76%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 161,400	\$ 163,500	\$ 163,500	\$ 165,400	\$ 1,900	1.16%
579000 - Bond Service Fees	4,510	4,510	4,510	5,230	720	15.96%
<b>Debt Service Total</b>	<b>\$ 165,910</b>	<b>\$ 168,010</b>	<b>\$ 168,010</b>	<b>\$ 170,630</b>	<b>\$ 2,620</b>	<b>1.56%</b>
<b>Grand Total</b>	<b>\$ 166,306</b>	<b>\$ 168,555</b>	<b>\$ 168,555</b>	<b>\$ 171,100</b>	<b>\$ 2,545</b>	<b>1.51%</b>

### Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$2,545 from the FY20 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 11 wastewater treatment plants (WWTPs) in the Sewer System. Two of the plants have been out of service for many years and their respective budgets contain 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	
Squabble Creek WWTP	1.2 MGD	Parts of Rockwall
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.

### FY2021 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 down time and failures.
- Produce and maintain 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	2018-19	2019-20	2019-20	2020-21	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	\$ 30,298	\$ 34,765	\$ 34,990	\$ 40,235	\$ 5,470	15.73%
<b>Total Wastewater Sales</b>	<b>\$ 30,298</b>	<b>\$ 34,765</b>	<b>\$ 34,990</b>	<b>\$ 40,235</b>	<b>\$ 5,470</b>	<b>15.73%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 40	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	18	-	-	-	-	0.00%
730000-Sale of Capital Assets	165	-	-	-	-	0.00%
<b>Total Other</b>	<b>\$ 222</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 222	\$ 210	\$ 150	\$ 150	\$ (60)	-28.57%
<b>Revenues Total</b>	<b>\$ 30,742</b>	<b>\$ 34,975</b>	<b>\$ 35,140</b>	<b>\$ 40,385</b>	<b>\$ 5,410</b>	<b>15.47%</b>
<b>Expenses Total</b>	<b>\$ (30,742)</b>	<b>\$ (34,975)</b>	<b>\$ (35,140)</b>	<b>\$ (40,385)</b>	<b>\$ (5,410)</b>	<b>15.47%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>0.00%</b>				

### Expense Detail

Wylie WWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 5,387	\$ 3,230	\$ 3,230	\$ 1,280	\$ (1,950)	-60.37%
511060 - Overtime	966	600	600	120	(480)	-80.00%
512000 - Social Security	448	245	240	100	(145)	-59.18%
513000 - Workers' Comp Ins	142	75	75	20	(5)	-73.33%
513020 - Hospitalization Ins	1,394	765	920	435	(330)	-43.14%
513040 - Dental Ins	78	35	50	55	20	57.14%
513060 - Life Ins	12	5	10	-	(5)	-100.00%
514000 - Retirement	685	745	745	820	75	10.07%
514010 - Retiree - Insurance	140	130	130	145	15	11.54%
514020 - Comp Absences-vacation	60	50	50	45	(5)	-10.00%
514030 - Comp Absences-sick	95	75	75	55	(20)	-26.67%
515000 - Cell Phone Stipend	42	25	25	25	-	0.00%
<b>Personnel Total</b>	<b>\$ 9,447</b>	<b>\$ 5,980</b>	<b>\$ 6,150</b>	<b>\$ 3,100</b>	<b>\$ (2,880)</b>	<b>-48.16%</b>
<b>Supplies</b>						
520300 - Clothing Supplies	\$ 59	\$ 40	\$ 40	\$ 20	\$ (20)	-50.00%
520700 - Machine Oil & Lube	-	50	50	50	-	0.00%
521110 - Safety Supplies	11	75	75	75	-	0.00%
521400 - Electrical Supplies	15	100	100	100	-	0.00%
521500 - Mechanical Supplies	43	1,000	1,000	1,000	-	0.00%
523660 - Small Plants Supplies	1,070	725	695	285	(440)	-60.69%
<b>Supplies Total</b>	<b>\$ 1,197</b>	<b>\$ 1,990</b>	<b>\$ 1,960</b>	<b>\$ 1,530</b>	<b>\$ (460)</b>	<b>-23.12%</b>

## Expense Detail (continued)

Wylie WWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
530300 - Automotive Insurance	\$ 71	\$ 80	\$ 80	\$ 75	(5)	-6.25%
530400 - Fire & Exten Cov Ins	464	550	550	635	85	15.45%
530900 - General Liability Ins	4	5	5	5	-	0.00%
531100 - Electric Power	554	570	570	780	210	36.84%
531120 - Retail Water Service	755	900	900	900	-	0.00%
531310 - Special Studies & Rpts	-	-	-	2,500	2,500	0.00%
531400 - Legal Service	-	3,300	3,300	5,500	2,200	66.67%
531700 - Advertising	-	500	500	2,120	1,620	324.00%
532200 - Equipment Maintenance	-	-	-	300	300	0.00%
532800 - Grounds Maintenance	2,156	2,905	2,905	2,420	(485)	-16.70%
533000 - Other Services	90	600	600	300	(300)	-50.00%
533100 - Administration	510	95	95	80	(15)	-15.79%
533660 - Small Plants Exp	199	550	550	200	(350)	-63.64%
533900 - Permits, Ins, & Lic Fees	7,155	7,465	7,465	9,480	2,015	26.99%
Support Services	8,140	9,260	9,255	10,340	1,080	11.66%
<b>Services Total</b>	<b>\$ 20,098</b>	<b>\$ 26,780</b>	<b>\$ 26,775</b>	<b>\$ 35,635</b>	<b>\$ 8,855</b>	<b>33.07%</b>
<b>Capital Outlay</b>						
543660 - Small Plants Capital	\$ -	\$ 225	\$ 255	\$ 120	(105)	-46.67%
<b>Capital Outlay Total</b>	<b>\$ -</b>	<b>\$ 225</b>	<b>\$ 255</b>	<b>\$ 120</b>	<b>(105)</b>	<b>-46.67%</b>
<b>Grand Total</b>	<b>\$ 30,742</b>	<b>\$ 34,975</b>	<b>\$ 35,140</b>	<b>\$ 40,385</b>	<b>\$ 5,410</b>	<b>15.47%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$5,410 from the FY20 Original Budget. Major variances are explained below.

- Personnel decreased due to a reduction in the Small Plants allocation percentage.
- Small Plants Supplies decreased because of a reduction in the Small Plants allocation percentage.
- Special Studies & Reports, Legal Service, Advertising and Permits, Inspection & License Fees increased due to permit renewal related services.

## South Rockwall (Buffalo Creek) Wastewater Treatment Plant Revenues and Expenses

South Rockwall WWTP	2018-19	2019-20	2019-20	2020-21	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	\$ 1,274,075	\$ 1,770,205	\$ 1,785,890	\$ 1,733,420	\$ (36,785)	-2.08%
<b>Total Wastewater Sales</b>	<b>\$ 1,274,075</b>	<b>\$ 1,770,205</b>	<b>\$ 1,785,890</b>	<b>\$ 1,733,420</b>	<b>\$ (36,785)</b>	<b>-2.08%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 1,225	\$ -	\$ -	\$ -	\$ -	0.00%
440110-Effluent	21,549	20,840	20,840	20,840	-	0.00%
440140-Master Card Rebates	1,809	-	-	-	-	0.00%
440999-Miscellaneous Revenue	(2)	-	-	-	-	0.00%
730000-Sale of Capital Assets	165	-	-	-	-	0.00%
<b>Total Other</b>	<b>\$ 24,745</b>	<b>\$ 20,840</b>	<b>\$ 20,840</b>	<b>\$ 20,840</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 17,280	\$ 18,280	\$ 8,850	\$ 8,850	\$ (9,430)	-51.59%
<b>Revenues Total</b>	<b>\$ 1,316,100</b>	<b>\$ 1,809,325</b>	<b>\$ 1,815,580</b>	<b>\$ 1,763,110</b>	<b>\$ (46,215)</b>	<b>-2.55%</b>
<b>Expenses Total</b>	<b>\$ (1,316,100)</b>	<b>\$ (1,809,325)</b>	<b>\$ (1,815,580)</b>	<b>\$ (1,763,110)</b>	<b>\$ 46,215</b>	<b>-2.55%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

## Expense Detail

South Rockwall WWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 134,438	\$ 133,525	\$ 133,625	\$ 131,510	\$ (2,015)	-1.51%
511060 - Overtime	24,008	15,000	15,000	12,360	(2,640)	-17.60%
512000 - Social Security	11,248	10,220	9,970	10,065	(155)	-1.52%
513000 - Workers' Comp Ins	3,569	3,180	3,085	2,635	(545)	-17.14%
513020 - Hospitalization Ins	34,884	31,810	38,090	40,120	8,310	26.12%
513040 - Dental Ins	1,979	1,755	2,150	2,180	425	24.22%
513060 - Life Ins	325	305	330	350	45	14.75%
514000 - Retirement	20,420	19,245	19,245	20,875	1,630	8.47%
514010 - Retiree - Insurance	4,165	3,360	3,360	3,640	280	8.33%
514020 - Comp Absences-vacation	1,865	1,170	1,170	985	(185)	-15.81%
514030 - Comp Absences-sick	2,290	1,915	1,915	1,330	(585)	-30.55%
515000 - Cell Phone Stipend	1,052	945	945	1,050	105	11.11%
<b>Personnel Total</b>	<b>\$ 240,242</b>	<b>\$ 222,430</b>	<b>\$ 228,885</b>	<b>\$ 227,100</b>	<b>\$ 4,670</b>	<b>2.10%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 110	\$ -	\$ -	\$ -	\$ -	0.00%
520300 - Clothing Supplies	1,619	1,690	1,690	1,765	75	4.44%
520610 - Generator Fuel	380	395	395	395	-	0.00%
520700 - Machine Oil & Lube	641	500	500	500	-	0.00%
520800 - Small Tools & Equip	5,059	14,900	14,300	20,100	5,200	34.90%
520810 - Fire Extinguishers	150	150	150	400	250	166.67%
520900 - Janitorial Supplies	-	120	120	120	-	0.00%
521110 - Safety Supplies	356	3,000	3,000	3,000	-	0.00%

## Expense Detail (continued)

South Rockwall WWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies (continued)</b>						
521200 - Chem - Other	\$ 1,225	\$ 1,030	\$ 1,430	\$ 1,470	\$ 440	42.72%
521203 - Chem - Chlorine	22,322	35,200	35,200	34,240	(960)	-2.73%
521211 - Chem - Sulfur Dioxide	17,286	22,635	22,635	24,925	2,290	10.12%
521215 - Chem - Bioxide	24,665	13,335	28,735	28,225	14,890	111.66%
521400 - Electrical Supplies	16,197	10,000	15,000	17,000	7,000	70.00%
521500 - Mechanical Supplies	44,638	30,000	58,000	30,000	-	0.00%
521700 - Building Supplies	1,281	1,000	1,000	1,000	-	0.00%
522000 - Equipment Supplies	3,350	2,550	2,550	2,550	-	0.00%
522200 - Road Maint Supplies	-	600	600	600	-	0.00%
523000 - Other Supplies	181	-	-	-	-	0.00%
523660 - Small Plants Supplies	26,739	30,010	28,815	29,215	(795)	-2.65%
<b>Supplies Total</b>	<b>\$ 166,198</b>	<b>\$ 167,115</b>	<b>\$ 214,120</b>	<b>\$ 195,505</b>	<b>\$ 28,390</b>	<b>16.99%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 1,804	\$ 1,915	\$ 1,915	\$ 1,755	\$ (160)	-8.36%
530400 - Fire & Exten Cov Ins	441	520	520	605	85	16.35%
530900 - General Liability Ins	109	140	140	135	(5)	-3.57%
531000 - Telephone	2,443	2,400	4,100	2,400	-	0.00%
531020 - Internet Service	246	180	180	180	-	0.00%
531100 - Electric Power	144,471	177,000	177,000	177,000	-	0.00%
531200 - Bank Service Fees	1	5	5	5	-	0.00%
531310 - Special Studies & Rpts	15,786	-	41,600	5,000	5,000	0.00%
531400 - Legal Service	3,190	4,900	4,900	11,000	6,100	124.49%
531700 - Advertising	-	1,500	1,500	1,380	(120)	-8.00%
531800 - Rent or Lease Payment	1,657	1,500	1,500	1,500	-	0.00%
532000 - Mem & Subscriptions	-	1,050	1,050	1,190	140	13.33%
532200 - Equipment Maintenance	10,754	15,690	15,690	11,500	(4,190)	-26.70%
532800 - Grounds Maintenance	3,058	2,050	2,050	4,820	2,770	135.12%
532900 - Electrical Sys Maint	28,558	36,125	36,125	24,000	(12,125)	-33.56%
533000 - Other Services	20,929	492,000	353,900	446,000	(46,000)	-9.35%
533030 - Contractual Safety Serv	-	2,750	2,750	2,750	-	0.00%
533100 - Administration	16,045	3,340	3,340	3,085	(255)	-7.63%
533380 - Odor Control Crew	2,306	1,000	1,600	1,000	-	0.00%
533500 - Lab Svc - Contract	6,437	8,280	8,280	8,280	-	0.00%
533630 - Landfill Service Fees	7,645	3,000	3,000	2,985	(15)	-0.50%
533640 - Hauling Fees	5,880	5,940	5,940	6,030	90	1.52%
533660 - Small Plants Exp	4,986	22,810	22,805	20,530	(2,280)	-10.00%
533670 - Hauling and Dewatering	71,296	75,340	75,340	70,000	(5,340)	-7.09%
533900 - Permits, Ins, & Lic Fees	15,528	16,090	16,090	18,105	2,015	12.52%
Support Services	168,218	154,720	197,525	249,400	94,680	61.19%
<b>Services Total</b>	<b>\$ 531,788</b>	<b>\$ 1,030,245</b>	<b>\$ 978,845</b>	<b>\$ 1,070,635</b>	<b>\$ 40,390</b>	<b>3.92%</b>

## Expense Detail (continued)

South Rockwall WWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Capital Outlay</b>						
540500 - Machinery	\$ 22,577	\$ 42,000	\$ 45,000	\$ 12,000	\$ (30,000)	-71.43%
543660 - Small Plants Capital	-	9,315	10,510	12,360	3,045	32.69%
<b>Capital Outlay Total</b>	<b>\$ 22,577</b>	<b>\$ 51,315</b>	<b>\$ 55,510</b>	<b>\$ 24,360</b>	<b>\$ (26,955)</b>	<b>-52.53%</b>
<b>Escrow</b>						
550700 - Prev Maint Escrow	\$ 103,000	\$ 103,000	\$ 103,000	\$ -	\$ (103,000)	-100.00%
<b>Escrow Total</b>	<b>\$ 103,000</b>	<b>\$ 103,000</b>	<b>\$ 103,000</b>	<b>\$ -</b>	<b>\$ (103,000)</b>	<b>-100.00%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 247,500	\$ 231,000	\$ 231,000	\$ 241,000	\$ 10,000	4.33%
579000 - Bond Service Fees	4,795	4,220	4,220	4,510	290	6.87%
<b>Debt Service Total</b>	<b>\$ 252,295</b>	<b>\$ 235,220</b>	<b>\$ 235,220</b>	<b>\$ 245,510</b>	<b>\$ 10,290</b>	<b>4.37%</b>
<b>Grand Total</b>	<b>\$ 1,316,100</b>	<b>\$ 1,809,325</b>	<b>\$ 1,815,580</b>	<b>\$ 1,763,110</b>	<b>\$ (46,215)</b>	<b>-2.55%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has decreased by \$46,215 from the FY20 Original Budget. Major variances are explained below.

- Personnel increased slightly as result of higher projected insurance costs and a reduction in the Small Plants allocation percentage.
- Chemicals increased based on FY20 trends and for a full year chemical feed at Lakeside Lift Station for odor and corrosion control.
- Electrical Supplies increased for the installation of new SCADA monitoring system at the Buffalo and Lakeside Lift Stations that will replace the current auto dialer system.
- Other Services decreased due to a lower need for FY21.
- Support Services allocation increased due to higher Support Fund expenses.
- Capital Outlay decreased due to reduced Machinery purchases.
- Escrow decreased because there will be no transfer to Preventative Maintenance Escrow.

## North Rockwall (Squabble Creek) Wastewater Treatment Plant Revenues and Expenses

North Rockwall WWTP	2018-19	2019-20	2019-20	2020-21	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	\$ 592,963	\$ 604,235	\$ 651,640	\$ 621,980	\$ 17,745	2.94%
<b>Total Wastewater Sales</b>	<b>\$ 592,963</b>	<b>\$ 604,235</b>	<b>\$ 651,640</b>	<b>\$ 621,980</b>	<b>\$ 17,745</b>	<b>2.94%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 624	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	5,462	-	-	-	-	0.00%
440999-Miscellaneous Revenue	2,571	-	-	-	-	0.00%
730000-Sale of Capital Assets	721	-	-	-	-	0.00%
<b>Total Other</b>	<b>\$ 9,379</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 2,018	\$ 2,530	\$ 1,225	\$ 1,225	\$ (1,305)	-51.58%
<b>Revenues Total</b>	<b>\$ 604,359</b>	<b>\$ 606,765</b>	<b>\$ 652,865</b>	<b>\$ 623,205</b>	<b>\$ 16,440</b>	<b>2.71%</b>
<b>Expenses Total</b>	<b>\$ (604,359)</b>	<b>\$ (606,765)</b>	<b>\$ (652,865)</b>	<b>\$ (623,205)</b>	<b>\$ (16,440)</b>	<b>2.71%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

## Expense Detail

North Rockwall WWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 75,304	\$ 107,720	\$ 107,805	\$ 84,910	\$ (22,810)	-21.18%
511060 - Overtime	13,446	8,400	8,400	7,980	(420)	-5.00%
512000 - Social Security	6,290	8,245	8,045	6,500	(1,745)	-21.16%
513000 - Workers' Comp Ins	2,017	2,570	2,485	1,705	(865)	-33.66%
513020 - Hospitalization Ins	19,586	25,665	30,730	25,900	235	0.92%
513040 - Dental Ins	1,104	1,420	1,735	1,400	(20)	-1.41%
513060 - Life Ins	178	240	265	235	(5)	-2.08%
514000 - Retirement	10,670	11,035	11,035	11,550	515	4.67%
514010 - Retiree - Insurance	2,175	1,925	1,925	2,015	90	4.68%
514020 - Comp Absences-vacation	975	710	710	550	(160)	-22.54%
514030 - Comp Absences-sick	1,320	1,105	1,105	700	(405)	-36.65%
515000 - Cell Phone Stipend	590	760	760	680	(80)	-10.53%
<b>Personnel Total</b>	<b>\$ 133,657</b>	<b>\$ 169,795</b>	<b>\$ 175,000</b>	<b>\$ 144,125</b>	<b>\$ (25,670)</b>	<b>-15.12%</b>
<b>Supplies</b>						
520300 - Clothing Supplies	\$ 1,060	\$ 1,370	\$ 1,370	\$ 1,140	\$ (230)	-16.79%
520700 - Machine Oil & Lube	699	600	600	600	-	0.00%
520800 - Small Tools & Equip	5,005	9,000	9,000	8,000	(1,000)	-11.11%
520810 - Fire Extinguishers	-	250	250	160	(90)	-36.00%
521110 - Safety Supplies	338	1,750	1,750	1,750	-	0.00%
521200 - Chem - Other	7,688	11,350	23,650	15,100	3,750	33.04%
521203 - Chem - Chlorine	12,149	20,790	16,490	15,725	(5,065)	-24.36%
521211 - Chem - Sulfur Dioxide	8,844	16,560	16,560	13,000	(3,560)	-21.50%
521215 - Chem - Bioxide	25,810	29,900	69,000	65,005	35,105	117.41%

## Expense Detail (continued)

North Rockwall WWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies (continued)</b>						
521400 - Electrical Supplies	\$ 27,759	\$ 2,000	\$ 6,000	\$ 2,000	\$ -	0.00%
521500 - Mechanical Supplies	90,907	10,000	34,000	10,000	-	0.00%
521600 - Pipeline Supplies	4,884	-	-	-	-	0.00%
521700 - Building Supplies	1,577	1,000	400	1,000	-	0.00%
522000 - Equipment Supplies	547	2,025	1,025	2,025	-	0.00%
522200 - Road Maint Supplies	-	600	-	600	-	0.00%
523000 - Other Supplies	1,045	1,500	1,500	1,500	-	0.00%
523660 - Small Plants Supplies	14,974	24,215	23,245	18,865	(5,350)	-22.09%
<b>Supplies Total</b>	<b>\$ 203,286</b>	<b>\$ 132,910</b>	<b>\$ 204,840</b>	<b>\$ 156,470</b>	<b>\$ 23,560</b>	<b>17.73%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 1,840	\$ 1,610	\$ 1,610	\$ 1,000	(610)	-37.89%
530400 - Fire & Exten Cov Ins	502	595	595	690	95	15.97%
530900 - General Liability Ins	62	80	80	70	(10)	-12.50%
531000 - Telephone	2,569	2,220	2,220	2,220	-	0.00%
531020 - Internet Service	90	90	90	90	-	0.00%
531100 - Electric Power	42,185	53,000	53,000	53,000	-	0.00%
531310 - Special Studies & Rpts	-	-	-	5,000	5,000	0.00%
531400 - Legal Service	165	3,300	3,300	11,000	7,700	233.33%
531700 - Advertising	-	1,500	1,500	1,380	(120)	-8.00%
531800 - Rent or Lease Payment	2,152	500	2,500	2,000	1,500	300.00%
532200 - Equipment Maintenance	12,572	1,500	5,975	1,500	-	0.00%
532800 - Grounds Maintenance	1,722	1,745	1,745	3,600	1,855	106.30%
532900 - Electrical Sys Maint	-	5,675	5,675	-	(5,675)	-100.00%
533000 - Other Services	5,103	15,000	900	10,000	(5,000)	-33.33%
533100 - Administration	6,070	1,090	1,090	1,065	(25)	-2.29%
533380 - Odor Control Crew	259	500	500	500	-	0.00%
533500 - Lab Svc - Contract	4,073	7,580	7,580	7,580	-	0.00%
533630 - Landfill Service Fees	7,636	12,420	12,420	11,435	(985)	-7.93%
533640 - Hauling Fees	8,235	6,475	6,475	6,580	105	1.62%
533660 - Small Plants Exp	2,792	18,405	18,400	13,255	(5,150)	-27.98%
533670 - Hauling and Dewatering	-	3,080	3,080	3,290	210	6.82%
533900 - Permits, Ins, & Lic Fees	8,010	8,350	8,350	10,360	2,010	24.07%
Support Services	155,451	121,830	127,455	159,015	37,185	30.52%
<b>Services Total</b>	<b>\$ 261,488</b>	<b>\$ 266,545</b>	<b>\$ 264,540</b>	<b>\$ 304,630</b>	<b>\$ 38,085</b>	<b>14.29%</b>

### Expense Detail (continued)

North Rockwall WWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Capital Outlay</b>						
540200 - Building	\$ -	\$ 5,000	\$ -	\$ -	(5,000)	-100.00%
540500 - Machinery	5,929	25,000	-	10,000	(15,000)	-60.00%
543660 - Small Plants Capital	-	7,515	8,485	7,980	465	6.19%
<b>Capital Outlay Total</b>	<b>\$ 5,929</b>	<b>\$ 37,515</b>	<b>\$ 8,485</b>	<b>\$ 17,980</b>	<b>\$ (19,535)</b>	<b>-52.07%</b>
<b>Grand Total</b>	<b>\$ 604,359</b>	<b>\$ 606,765</b>	<b>\$ 652,865</b>	<b>\$ 623,205</b>	<b>\$ 16,440</b>	<b>2.71%</b>

### Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$16,440 from the FY20 Original Budget. Major variances are explained below.

- Personnel decreased due to a reduction in the Small Plants allocation percentage.
- Chemicals increased per the city's request to increase chemical feed at the plant to reduce odors in the collection system.
- Small Plants Supplies decreased due to a reduction in the Small Plants allocation percentage.
- Support Services allocation increased due to higher Support Fund expenses.
- Capital Outlay decreased due to reduced Building and Machinery purchases.

## Panther Creek Wastewater Treatment Plant Position Summary

Panther Creek WWTP			
Full-Time Positions	FY20	FY21	Difference
Chief Wastewater Plant Operator	1.00	1.00	-
Information Systems Assistant	0.50	1.00	0.50
Lead Wastewater Plant Operator	2.00	2.00	-
Sewer System Plants Manager	0.33	0.33	-
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>17.83</b>	<b>18.33</b>	<b>0.50</b>

## Revenues and Expenses

Panther Creek WWTP						
	2018-19	2019-20	2019-20	2020-21	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	\$ 8,799,575	\$ 7,914,670	\$ 7,928,060	\$ 9,212,860	\$ 1,298,190	16.40%
<b>Total Wastewater Sales</b>	<b>\$ 8,799,575</b>	<b>\$ 7,914,670</b>	<b>\$ 7,928,060</b>	<b>\$ 9,212,860</b>	<b>\$ 1,298,190</b>	<b>16.40%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 6,658	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	5,692	-	-	-	-	0.00%
440999-Miscellaneous Revenue	17,721	-	-	-	-	0.00%
<b>Total Other</b>	<b>\$ 30,071</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 29,449	\$ 30,375	\$ 12,315	\$ 12,315	\$ (18,060)	-59.46%
<b>Revenues Total</b>	<b>\$ 8,859,095</b>	<b>\$ 7,945,045</b>	<b>\$ 7,940,375</b>	<b>\$ 9,225,175</b>	<b>\$ 1,280,130</b>	<b>16.11%</b>
<b>Expenses Total</b>	<b>\$ (8,859,095)</b>	<b>\$ (7,945,045)</b>	<b>\$ (7,940,375)</b>	<b>\$ (9,225,175)</b>	<b>\$ (1,280,130)</b>	<b>16.11%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>0.00%</b>				

## Expense Detail

Panther Creek WWTP						
	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 981,554	\$ 1,065,480	\$ 1,068,345	\$ 1,052,855	\$ (12,625)	-1.18%
511060 - Overtime	64,265	60,000	60,000	60,000	-	0.00%
512000 - Social Security	75,068	81,510	78,140	80,545	(965)	-1.18%
513000 - Workers' Comp Ins	26,796	29,230	26,860	23,695	(5,535)	-18.94%
513020 - Hospitalization Ins	227,742	224,395	246,050	250,260	25,865	11.53%
513040 - Dental Ins	11,329	10,700	11,965	11,865	1,165	10.89%
513060 - Life Ins	2,263	2,415	2,645	2,845	430	17.81%
514000 - Retirement	119,015	139,305	139,305	138,200	(1,105)	-0.79%
514010 - Retiree - Insurance	24,280	24,305	24,305	24,110	(195)	-0.80%
514020 - Comp Absences-vacation	10,835	8,475	8,475	5,245	(3,230)	-38.11%
514030 - Comp Absences-sick	8,900	6,940	6,940	450	(6,490)	-93.52%
515000 - Cell Phone Stipend	7,797	8,315	8,315	8,315	-	0.00%
<b>Personnel Total</b>	<b>\$ 1,559,843</b>	<b>\$ 1,661,070</b>	<b>\$ 1,681,345</b>	<b>\$ 1,658,385</b>	<b>\$ (2,685)</b>	<b>-0.16%</b>

## Expense Detail (continued)

Panther Creek WWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520100 - Office Supplies	\$ 3,728	\$ 3,100	\$ 3,100	\$ 3,100	\$ -	0.00%
520110 - Computer Supplies	13,441	9,325	9,325	4,325	(5,000)	-53.62%
520200 - Xerox Supplies	5,574	5,400	5,400	6,000	600	11.11%
520300 - Clothing Supplies	12,543	9,800	9,800	8,200	(1,600)	-16.33%
520600 - Fuel, Oil and Lube	6,228	4,440	4,440	4,440	-	0.00%
520610 - Generator Fuel	3,738	2,700	1,950	2,700	-	0.00%
520630 - Toll Fees	2,134	1,000	1,750	1,000	-	0.00%
520700 - Machine Oil & Lube	702	2,980	3,880	2,980	-	0.00%
520800 - Small Tools & Equip	13,575	20,810	19,685	13,320	(7,490)	-35.99%
520810 - Fire Extinguishers	-	400	-	400	-	0.00%
520900 - Janitorial Supplies	2,595	2,500	2,500	2,500	-	0.00%
521000 - Laboratory Supplies	4,019	3,640	3,640	4,090	450	12.36%
521100 - Medical Supplies	-	650	650	705	55	8.46%
521110 - Safety Supplies	8,048	7,810	7,810	7,810	-	0.00%
521200 - Chem - Other	36,027	8,800	8,800	8,800	-	0.00%
521201 - Chem - Lime	14,006	10,950	10,950	10,950	-	0.00%
521203 - Chem - Chlorine	495	750	750	750	-	0.00%
521209 - Chem - Polymers	22,742	47,500	47,500	47,500	-	0.00%
521210 - Chem - Hypochlorite	13,202	15,080	15,080	15,080	-	0.00%
521212 - Chem - Liq Ferr Sulfate	48,378	67,620	67,620	60,270	(7,350)	-10.87%
521214 - Chem - Caustic	-	9,250	9,250	-	(9,250)	-100.00%
521215 - Chem - Bioxide	469,509	511,950	511,950	519,010	7,060	1.38%
521300 - Botanical Supplies	2,369	2,000	2,000	2,500	500	25.00%
521400 - Electrical Supplies	89,791	82,350	82,350	192,100	109,750	133.27%
521500 - Mechanical Supplies	145,396	146,950	132,380	149,950	3,000	2.04%
521700 - Building Supplies	6,767	11,500	11,500	1,500	(10,000)	-86.96%
521900 - Vehicle Supplies	2,099	3,000	3,000	3,000	-	0.00%
521910 - Tires and Tubes	636	4,100	3,100	4,100	-	0.00%
522000 - Equipment Supplies	9,658	13,800	13,800	19,800	6,000	43.48%
522100 - Welding Supplies	795	650	650	650	-	0.00%
523000 - Other Supplies	19,024	25,390	25,390	25,390	-	0.00%
<b>Supplies Total</b>	<b>\$ 957,220</b>	<b>\$ 1,036,195</b>	<b>\$ 1,020,000</b>	<b>\$ 1,122,920</b>	<b>\$ 86,725</b>	<b>8.37%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 2,520	\$ 2,690	\$ 2,690	\$ 2,605	\$ (85)	-3.16%
530400 - Fire & Exten Cov Ins	4,928	5,840	5,840	6,765	925	15.84%
530900 - General Liability Ins	916	995	1,165	1,080	85	8.54%
531000 - Telephone	7,158	9,900	9,900	7,100	(2,800)	-28.28%
531020 - Internet Service	12,456	32,940	32,940	32,940	-	0.00%
531100 - Electric Power	489,194	541,700	541,700	550,000	8,300	1.53%
531110 - Nat Gas, Butane & Kero	443	1,155	1,155	1,155	-	0.00%
531200 - Bank Service Fees	25	25	20	40	15	60.00%
531300 - Engin/Consultant Svc	3,561	-	-	-	-	0.00%
531310 - Special Studies & Rpts	27,255	154,000	154,450	34,000	(120,000)	-77.92%

## Expense Detail (continued)

Panther Creek WWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services (continued)</b>						
531400 - Legal Service	\$ 13,947	\$ 88,100	\$ 64,475	\$ 11,000	\$ (77,100)	-87.51%
531700 - Advertising	220	2,200	2,200	3,180	980	44.55%
531800 - Rent or Lease Payment	-	500	500	500	-	0.00%
531900 - Travel and Training	13,967	9,750	9,750	8,630	(1,120)	-11.49%
532000 - Mem & Subscriptions	200	4,560	4,560	5,055	495	10.86%
532100 - Vehicle Maint	579	2,000	3,650	2,000	-	0.00%
532110 - Veh Maint by Solid Waste	839	1,000	1,500	1,000	-	0.00%
532200 - Equipment Maintenance	17,365	54,580	54,580	34,550	(20,030)	-36.70%
532800 - Grounds Maintenance	11,080	14,520	14,520	16,940	2,420	16.67%
532850 - Building Maintenance	-	650	650	37,650	37,000	5692.31%
532900 - Electrical Sys Maint	100,105	58,700	65,085	44,000	(14,700)	-25.04%
533000 - Other Services	166,338	162,320	117,030	109,700	(52,620)	-32.42%
533030 - Contractual Safety Serv	-	9,370	9,370	9,370	-	0.00%
533100 - Administration	55,570	11,295	11,295	10,275	(1,020)	-9.03%
533380 - Odor Control Crew	2,388	3,500	3,500	3,500	-	0.00%
533500 - Lab Svc - Contract	7,879	11,490	11,490	11,490	-	0.00%
533630 - Landfill Service Fees	338,857	364,500	364,500	335,610	(28,890)	-7.93%
533640 - Hauling Fees	117,242	126,480	126,480	128,520	2,040	1.61%
533900 - Permits, Ins, & Lic Fees	49,432	47,355	47,355	49,370	2,015	4.26%
Support Services	531,282	775,475	824,585	1,015,845	240,370	31.00%
<b>Services Total</b>	<b>\$ 1,975,747</b>	<b>\$ 2,497,590</b>	<b>\$ 2,486,935</b>	<b>\$ 2,473,870</b>	<b>\$ (23,720)</b>	<b>-0.95%</b>
<b>Capital Outlay</b>						
540500 - Machinery	\$ 29,355	\$ 42,000	\$ 60,435	\$ 35,000	\$ (7,000)	-16.67%
540700 - Non-Vehicle Equipment	48,523	-	(16,110)	-	-	0.00%
542000 - Other Capital Outlay	8,328	-	-	-	-	0.00%
<b>Capital Outlay Total</b>	<b>\$ 86,205</b>	<b>\$ 42,000</b>	<b>\$ 44,325</b>	<b>\$ 35,000</b>	<b>\$ (7,000)</b>	<b>-16.67%</b>
<b>Capital Improvement</b>						
573010 - Tsf to Capital Impr	\$ 472,000	\$ -	\$ -	\$ -	\$ -	0.00%
<b>Capital Improvement Total</b>	<b>\$ 472,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 3,800,000	\$ 2,700,000	\$ 2,700,000	\$ 3,922,800	\$ 1,222,800	45.29%
579000 - Bond Service Fees	8,080	8,190	7,770	12,200	4,010	48.96%
<b>Debt Service Total</b>	<b>\$ 3,808,080</b>	<b>\$ 2,708,190</b>	<b>\$ 2,707,770</b>	<b>\$ 3,935,000</b>	<b>\$ 1,226,810</b>	<b>45.30%</b>
<b>Grand Total</b>	<b>\$ 8,859,095</b>	<b>\$ 7,945,045</b>	<b>\$ 7,940,375</b>	<b>\$ 9,225,175</b>	<b>\$ 1,280,130</b>	<b>16.11%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$1,280,130 from the FY20 Original Budget. Major variances are explained below.

- Electrical Supplies increased to replace critical equipment including PLC cards that are obsolete and no longer supported.
- Chemicals decreased due to changes in plant processes.
- Legal Service and Special Studies and Reports decreased due to a lower need in FY21.
- Support Services allocation increased due to higher Support Fund expenses.
- Debt Service increased due to a higher debt service payment.

## Sabine Creek Wastewater Treatment Plant Revenues and Expenses

Sabine Creek WWTP	2018-19	2019-20	2019-20	2020-21	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	\$ 2,487,784	\$ 2,665,100	\$ 2,678,190	\$ 2,811,080	\$ 145,980	5.48%
<b>Total Wastewater Sales</b>	<b>\$ 2,487,784</b>	<b>\$ 2,665,100</b>	<b>\$ 2,678,190</b>	<b>\$ 2,811,080</b>	<b>\$ 145,980</b>	<b>5.48%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 812	\$ -	\$ -	\$ -	\$ -	0.00%
440070-Rental/Lease Income	100	-	-	-	-	0.00%
440140-Master Card Rebates	1,460	-	-	-	-	0.00%
440999-Miscellaneous Revenue	10,717	-	-	-	-	0.00%
730000-Sale of Capital Assets	165	-	-	-	-	0.00%
<b>Total Other</b>	<b>\$ 13,255</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 8,474	\$ 9,805	\$ 4,370	\$ 4,370	\$ (5,435)	-55.43%
<b>Revenues Total</b>	<b>\$ 2,509,514</b>	<b>\$ 2,674,905</b>	<b>\$ 2,682,560</b>	<b>\$ 2,815,450</b>	<b>\$ 140,545</b>	<b>5.25%</b>
<b>Expenses Total</b>	<b>\$ (2,509,514)</b>	<b>\$ (2,674,905)</b>	<b>\$ (2,682,560)</b>	<b>\$ (2,815,450)</b>	<b>\$ (140,545)</b>	<b>5.25%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

## Expense Detail

Sabine Creek WWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 134,438	\$ 161,255	\$ 161,385	\$ 159,590	\$ (1,665)	-1.03%
511060 - Overtime	24,008	15,000	15,000	15,000	-	0.00%
512000 - Social Security	11,232	12,340	12,045	12,210	(130)	-1.05%
513000 - Workers' Comp Ins	3,569	3,850	3,725	3,205	(645)	-16.75%
513020 - Hospitalization Ins	34,877	38,425	46,005	48,675	10,250	26.68%
513040 - Dental Ins	1,970	2,105	2,595	2,645	540	25.65%
513060 - Life Ins	318	360	395	435	75	20.83%
514000 - Retirement	14,025	19,065	19,065	20,015	950	4.98%
514010 - Retiree - Insurance	2,860	3,325	3,325	3,490	165	4.96%
514020 - Comp Absences-vacation	1,300	1,360	1,360	1,110	(250)	-18.38%
514030 - Comp Absences-sick	2,290	1,915	1,915	1,330	(585)	-30.55%
515000 - Cell Phone Stipend	1,052	1,140	1,140	1,260	120	10.53%
<b>Personnel Total</b>	<b>\$ 231,939</b>	<b>\$ 260,140</b>	<b>\$ 267,955</b>	<b>\$ 268,965</b>	<b>\$ 8,825</b>	<b>3.39%</b>

Expense Detail (continued)

Sabine Creek WWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520100 - Office Supplies	\$ 2,759	\$ 2,000	\$ 2,000	\$ 2,000	\$ -	0.00%
520110 - Computer Supplies	2,788	500	500	500	-	0.00%
520300 - Clothing Supplies	1,709	2,050	2,050	2,145	95	4.63%
520600 - Fuel, Oil and Lube	392	-	-	-	-	0.00%
520610 - Generator Fuel	2,677	410	410	410	-	0.00%
520700 - Machine Oil & Lube	414	4,000	4,000	4,000	-	0.00%
520800 - Small Tools & Equip	7,900	12,900	12,900	5,000	(7,900)	-61.24%
520810 - Fire Extinguishers	350	350	350	400	50	14.29%
520900 - Janitorial Supplies	752	1,200	1,200	1,200	-	0.00%
521000 - Laboratory Supplies	339	1,500	1,500	1,500	-	0.00%
521110 - Safety Supplies	897	2,000	2,000	2,000	-	0.00%
521200 - Chem - Other	23,796	35,600	35,600	36,200	600	1.69%
521203 - Chem - Chlorine	3,143	4,110	4,110	5,700	1,590	38.69%
521400 - Electrical Supplies	33,450	35,000	56,000	82,000	47,000	134.29%
521500 - Mechanical Supplies	35,510	19,800	19,800	15,000	(4,800)	-24.24%
521700 - Building Supplies	2,573	2,500	2,500	2,750	250	10.00%
522000 - Equipment Supplies	5	6,050	6,050	5,025	(1,025)	-16.94%
522200 - Road Maint Supplies	13,637	1,200	4,200	2,400	1,200	100.00%
523000 - Other Supplies	5,423	8,000	8,000	8,000	-	0.00%
523660 - Small Plants Supplies	26,739	36,250	34,800	35,465	(785)	-2.17%
<b>Supplies Total</b>	<b>\$ 165,253</b>	<b>\$ 175,420</b>	<b>\$ 197,970</b>	<b>\$ 211,695</b>	<b>\$ 36,275</b>	<b>20.68%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 2,292	\$ 2,220	\$ 2,220	\$ 2,310	\$ 90	4.05%
530400 - Fire & Exten Cov Ins	2,808	3,330	3,330	3,855	525	15.77%
530900 - General Liability Ins	488	155	155	135	(20)	-12.90%
531000 - Telephone	4,169	4,080	6,080	4,080	-	0.00%
531020 - Internet Service	180	1,380	1,380	1,380	-	0.00%
531100 - Electric Power	189,700	209,100	209,100	210,000	900	0.43%
531120 - Retail Water Service	820	1,200	1,200	1,200	-	0.00%
531200 - Bank Service Fees	7	5	5	5	-	0.00%
531310 - Special Studies & Rpts	477	3,000	3,000	10,000	7,000	233.33%
531400 - Legal Service	2,913	12,600	12,600	5,500	(7,100)	-56.35%
531700 - Advertising	-	2,200	2,200	2,760	560	25.45%
531800 - Rent or Lease Payment	850	100	2,600	100	-	0.00%
531900 - Travel and Training	78	-	-	-	-	0.00%
532000 - Mem & Subscriptions	-	850	850	960	110	12.94%
532110 - Veh Maint by Solid Waste	-	-	40	-	-	0.00%
532200 - Equipment Maintenance	39,302	27,065	27,065	26,900	(165)	-0.61%
532800 - Grounds Maintenance	2,584	3,485	3,485	2,900	(585)	-16.79%
532850 - Building Maintenance	-	300	300	3,420	3,120	1040.00%
532900 - Electrical Sys Maint	24,907	6,125	6,125	24,000	17,875	291.84%
533000 - Other Services	2,996	105,000	89,460	69,220	(35,780)	-34.08%

## Expense Detail (continued)

Sabine Creek WWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services (continued)</b>						
533100 - Administration	\$ 10,300	\$ 2,210	\$ 2,210	\$ 2,275	\$ 65	2.94%
533380 - Odor Control Crew	-	100	100	100	-	0.00%
533500 - Lab Svc - Contract	4,073	8,300	8,300	8,300	-	0.00%
533630 - Landfill Service Fees	73,102	69,960	69,960	66,130	(3,830)	-5.47%
533640 - Hauling Fees	49,742	37,980	50,480	38,520	540	1.42%
533660 - Small Plants Exp	4,986	27,545	27,540	24,915	(2,630)	-9.55%
533900 - Permits, Ins, & Lic Fees	11,301	22,700	22,700	22,430	(270)	-1.19%
Support Services	173,815	209,835	211,680	293,315	83,480	39.78%
<b>Services Total</b>	<b>\$ 601,890</b>	<b>\$ 760,825</b>	<b>\$ 764,165</b>	<b>\$ 824,710</b>	<b>\$ 63,885</b>	<b>8.40%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ -	\$ 18,000	\$ 18,000	\$ -	\$ (18,000)	-100.00%
540500 - Machinery	78,498	73,000	45,500	38,000	(35,000)	-47.95%
543660 - Small Plants Capital	-	11,250	12,700	15,000	3,750	33.33%
<b>Capital Outlay Total</b>	<b>\$ 78,498</b>	<b>\$ 102,250</b>	<b>\$ 76,200</b>	<b>\$ 53,000</b>	<b>\$ (49,250)</b>	<b>-48.17%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 1,425,900	\$ 1,370,000	\$ 1,370,000	\$ 1,448,800	\$ 78,800	5.75%
579000 - Bond Service Fees	6,035	6,270	6,270	8,280	2,010	32.06%
<b>Debt Service Total</b>	<b>\$ 1,431,935</b>	<b>\$ 1,376,270</b>	<b>\$ 1,376,270</b>	<b>\$ 1,457,080</b>	<b>\$ 80,810</b>	<b>5.87%</b>
<b>Grand Total</b>	<b>\$ 2,509,514</b>	<b>\$ 2,674,905</b>	<b>\$ 2,682,560</b>	<b>\$ 2,815,450</b>	<b>\$ 140,545</b>	<b>5.25%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$140,545 from the FY20 Original Budget. Major variances are explained below.

- Electrical Supplies increased to purchase an additional UV module for the new system installed as part of the expansion project and for the installation of a new SCADA monitoring system that will replace the current auto dialer system.
- Electrical System Maintenance increased for the biannual inspection and maintenance of major electrical equipment by central maintenance.
- Support Services allocation increased due to higher Support Fund expenses.
- Capital Outlay decreased due to a reduction in Machinery and no Vehicle Equipment purchases.

## Stewart Creek Wastewater Treatment Plant

### Position Summary

Stewart Creek WWTP			
Full-Time Positions	FY20	FY21	Difference
Chief Wastewater Plant Operator	1.0	1.0	-
Information Systems Assistant	1.5	1.0	(0.5)
Lead Wastewater Plant Operator	2.0	2.0	-
Professional Engineer	1.0	1.0	-
Wastewater Mechanic	1.0	1.0	-
Wastewater Plant Operator II	8.0	8.0	-
Wastewater Plant Operator III	4.0	4.0	-
Wastewater Plant Supervisor II	1.0	1.0	-
<b>Total Full-Time Positions</b>	<b>19.5</b>	<b>19.0</b>	<b>(0.5)</b>

### Revenues and Expenses

Stewart Creek WWTP	2018-19	2019-20	2019-20	2020-21	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	\$ 9,320,178	\$ 9,312,220	\$ 9,256,755	\$ 9,674,145	\$ 361,925	3.89%
<b>Total Wastewater Sales</b>	<b>\$ 9,320,178</b>	<b>\$ 9,312,220</b>	<b>\$ 9,256,755</b>	<b>\$ 9,674,145</b>	<b>\$ 361,925</b>	<b>3.89%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 3,021	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	8,732	-	-	-	-	0.00%
440999-Miscellaneous Revenue	(5,259)	-	-	-	-	0.00%
459100-Tfr from Escrow Fund	4,000	-	-	-	-	0.00%
<b>Total Other</b>	<b>\$ 10,493</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 29,263	\$ 29,430	\$ 16,505	\$ 16,505	\$ (12,925)	-43.92%
<b>Revenues Total</b>	<b>\$ 9,359,935</b>	<b>\$ 9,341,650</b>	<b>\$ 9,273,260</b>	<b>\$ 9,690,650</b>	<b>\$ 349,000</b>	<b>3.74%</b>
<b>Expenses Total</b>	<b>\$ (9,359,935)</b>	<b>\$ (9,341,650)</b>	<b>\$ (9,273,260)</b>	<b>\$ (9,690,650)</b>	<b>\$ (349,000)</b>	<b>3.74%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

### Expense Detail

Stewart Creek WWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 799,470	\$ 1,057,325	\$ 1,022,335	\$ 1,061,615	\$ 4,290	0.41%
511060 - Overtime	107,459	110,000	110,000	110,000	-	0.00%
512000 - Social Security	66,058	80,875	77,280	81,205	330	0.41%
513000 - Workers' Comp Ins	23,664	29,435	24,805	22,560	(6,875)	-23.36%
513020 - Hospitalization Ins	196,192	218,195	194,755	195,920	(22,275)	-10.21%
513040 - Dental Ins	11,380	12,025	9,925	9,370	(2,655)	-22.08%
513060 - Life Ins	1,984	2,435	2,595	2,890	455	18.69%
514000 - Retirement	69,760	96,880	96,880	114,805	17,925	18.50%
514010 - Retiree - Insurance	14,230	16,905	16,905	20,030	3,125	18.49%
514020 - Comp Absences-vacation	7,520	7,320	7,320	3,905	(3,415)	-46.65%
514030 - Comp Absences-sick	5,475	5,340	5,340	-	(5,340)	-100.00%
515000 - Cell Phone Stipend	5,320	6,720	6,720	8,160	1,440	21.43%
<b>Personnel Total</b>	<b>\$ 1,308,511</b>	<b>\$ 1,643,455</b>	<b>\$ 1,574,860</b>	<b>\$ 1,630,460</b>	<b>\$ (12,995)</b>	<b>-0.79%</b>

## Expense Detail (continued)

Stewart Creek WWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520100 - Office Supplies	\$ 9,493	\$ 6,100	\$ 6,100	\$ 6,000	\$ (100)	-1.64%
520110 - Computer Supplies	26,094	7,275	16,975	3,690	(3,585)	-49.28%
520200 - Xerox Supplies	1,696	4,800	4,800	4,800	-	0.00%
520300 - Clothing Supplies	12,254	22,000	22,000	19,590	(2,410)	-10.95%
520600 - Fuel, Oil and Lube	5,561	4,915	4,915	4,920	5	0.10%
520610 - Generator Fuel	2,946	12,000	12,000	11,000	(1,000)	-8.33%
520630 - Toll Fees	1,042	1,000	1,200	1,000	-	0.00%
520700 - Machine Oil & Lube	2,837	3,515	3,515	9,140	5,625	160.03%
520800 - Small Tools & Equip	47,897	30,080	30,080	30,080	-	0.00%
520810 - Fire Extinguishers	103	900	900	900	-	0.00%
520900 - Janitorial Supplies	4,375	1,200	3,200	2,400	1,200	100.00%
521000 - Laboratory Supplies	11,579	12,440	12,440	18,205	5,765	46.34%
521100 - Medical Supplies	25	1,175	1,175	1,955	780	66.38%
521110 - Safety Supplies	9,028	24,570	24,570	24,570	-	0.00%
521200 - Chem - Other	5,713	59,105	17,805	63,745	4,640	7.85%
521203 - Chem - Chlorine	36,055	3,510	44,510	5,460	1,950	55.56%
521209 - Chem - Polymers	33,620	82,500	82,500	102,300	19,800	24.00%
521210 - Chem - Hypochlorite	(54)	28,800	28,800	29,580	780	2.71%
521211 - Chem - Sulfur Dioxide	13,374	-	17,200	-	-	0.00%
521212 - Chem - Liq Ferr Sulfate	72,797	167,255	167,255	198,275	31,020	18.55%
521214 - Chem - Caustic	-	22,080	22,080	22,560	480	2.17%
521215 - Chem - Bioxide	221,443	465,120	448,220	462,260	(2,860)	-0.61%
521300 - Botanical Supplies	-	1,000	1,000	1,000	-	0.00%
521400 - Electrical Supplies	57,131	85,500	85,500	85,500	-	0.00%
521500 - Mechanical Supplies	126,822	57,850	82,850	95,850	38,000	65.69%
521700 - Building Supplies	32,021	26,000	6,000	11,000	(15,000)	-57.69%
521900 - Vehicle Supplies	1,947	1,000	4,500	4,000	3,000	300.00%
521910 - Tires and Tubes	511	3,760	3,760	3,760	-	0.00%
522000 - Equipment Supplies	14,280	11,525	11,525	8,000	(3,525)	-30.59%
522100 - Welding Supplies	368	750	750	750	-	0.00%
522200 - Road Maint Supplies	663	1,000	1,000	1,000	-	0.00%
523000 - Other Supplies	15,969	31,460	41,460	31,460	-	0.00%
<b>Supplies Total</b>	<b>\$ 767,591</b>	<b>\$ 1,180,185</b>	<b>\$ 1,210,585</b>	<b>\$ 1,264,750</b>	<b>\$ 84,565</b>	<b>7.17%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 1,497	\$ 1,610	\$ 1,610	\$ 1,585	\$ (25)	-1.55%
530400 - Fire & Exten Cov Ins	2,092	2,480	2,480	2,870	390	15.73%
530900 - General Liability Ins	1,199	1,380	1,380	1,020	(360)	-26.09%
531000 - Telephone	1,003	3,120	3,120	3,120	-	0.00%
531020 - Internet Service	18,118	23,940	23,940	23,940	-	0.00%
531100 - Electric Power	374,806	470,700	470,700	470,000	(700)	-0.15%
531110 - Nat Gas, Butane & Kero	1,170	1,980	1,980	1,980	-	0.00%
531120 - Retail Water Service	1,961	3,600	3,600	3,600	-	0.00%
531200 - Bank Service Fees	241	180	210	20	(160)	-88.89%
531300 - Engin/Consultant Svc	2,500	-	-	-	-	0.00%
531310 - Special Studies & Rpts	1,660	5,000	6,500	10,000	5,000	100.00%
531400 - Legal Service	23,068	16,600	16,600	5,500	(11,100)	-66.87%

## Expense Detail (continued)

Stewart Creek WWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services (continued)</b>						
531700 - Advertising	\$ -	\$ 4,400	\$ 4,400	\$ 1,590	\$ (2,810)	-63.86%
531800 - Rent or Lease Payment	27,238	10,000	35,000	10,000	-	0.00%
531900 - Travel and Training	4,283	8,650	8,650	8,100	(550)	-6.36%
532000 - Mem & Subscriptions	905	2,860	3,210	2,905	45	1.57%
532100 - Vehicle Maint	162	3,530	3,530	3,530	-	0.00%
532110 - Veh Maint by Solid Waste	1,503	2,000	4,500	2,000	-	0.00%
532200 - Equipment Maintenance	3,310	51,420	51,420	105,675	54,255	105.51%
532800 - Grounds Maintenance	-	7,020	7,020	1,560	(5,460)	-77.78%
532850 - Building Maintenance	-	6,550	6,550	34,550	28,000	427.48%
532900 - Electrical Sys Maint	42,195	127,475	127,475	80,000	(47,475)	-37.24%
533000 - Other Services	83,732	140,950	107,500	90,000	(50,950)	-36.15%
533020 - Contract Labor	8,295	-	-	-	-	0.00%
533030 - Contractual Safety Serv	1,125	2,645	2,645	2,645	-	0.00%
533100 - Administration	36,330	8,320	8,320	8,815	495	5.95%
533380 - Odor Control Crew	3,577	4,500	4,500	4,500	-	0.00%
533500 - Lab Svc - Contract	6,437	10,810	10,810	10,810	-	0.00%
533630 - Landfill Service Fees	176,104	340,200	295,000	313,235	(26,965)	-7.93%
533640 - Hauling Fees	73,575	113,290	111,290	115,790	2,500	2.21%
533900 - Permits, Ins, & Lic Fees	28,490	49,370	49,570	49,095	(275)	-0.56%
Support Services	401,521	545,395	545,430	694,195	148,800	27.28%
<b>Services Total</b>	<b>\$ 1,328,093</b>	<b>\$ 1,969,975</b>	<b>\$ 1,918,940</b>	<b>\$ 2,062,630</b>	<b>\$ 92,655</b>	<b>4.70%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ -	\$ -	\$ -	\$ 13,000	\$ 13,000	0.00%
540500 - Machinery	35,000	-	-	-	-	0.00%
540700 - Non-Vehicle Equipment	71,340	163,525	183,525	161,000	(2,525)	-1.54%
<b>Capital Outlay Total</b>	<b>\$ 106,340</b>	<b>\$ 163,525</b>	<b>\$ 183,525</b>	<b>\$ 174,000</b>	<b>\$ 10,475</b>	<b>6.41%</b>
<b>Capital Improvement</b>						
573010 - Tsf to Capital Impr	\$ 925,000	\$ -	\$ -	\$ -	\$ -	0.00%
<b>Capital Improvement Total</b>	<b>\$ 925,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 4,917,530	\$ 4,380,000	\$ 4,380,000	\$ 4,554,200	\$ 174,200	3.98%
579000 - Bond Service Fees	6,870	4,510	5,350	4,610	100	2.22%
<b>Debt Service Total</b>	<b>\$ 4,924,400</b>	<b>\$ 4,384,510</b>	<b>\$ 4,385,350</b>	<b>\$ 4,558,810</b>	<b>\$ 174,300</b>	<b>3.98%</b>
<b>Grand Total</b>	<b>\$ 9,359,935</b>	<b>\$ 9,341,650</b>	<b>\$ 9,273,260</b>	<b>\$ 9,690,650</b>	<b>\$ 349,000</b>	<b>3.74%</b>

### Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$349,000 from the FY20 Original Budget. Major variances are explained below.

- Personnel decreased due to lower Compensated Absences - Sick & Vacation and insurance costs.
- Chemicals increased due to higher unit costs and greater usage related to the plant expansion.
- Mechanical Supplies increased to perform unforeseen repairs that were uncovered during the recent construction project.
- Support Services allocation increased due to higher Support Fund expenses.
- Debt Service increased due to a higher payment for the upcoming year.

## Muddy Creek Wastewater Treatment Plant Position Summary

Muddy Creek WWTP			
Full-Time Positions	FY20	FY21	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	8.00	7.00	(1.00)
Wastewater Plant Operator III	4.00	4.00	-
Wastewater Plant Supervisor II	1.00	1.00	-
Wastewater Technician I	1.20	1.20	-
<b>Total Full-Time Positions</b>	<b>19.38</b>	<b>18.38</b>	<b>(1.00)</b>

## Revenues and Expenses

Muddy Creek WWTP	2018-19	2019-20	2019-20	2020-21	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	\$ 6,559,968	\$ 7,061,555	\$ 7,066,050	\$ 7,184,195	\$ 122,640	1.74%
<b>Total Wastewater Sales</b>	<b>\$ 6,559,968</b>	<b>\$ 7,061,555</b>	<b>\$ 7,066,050</b>	<b>\$ 7,184,195</b>	<b>\$ 122,640</b>	<b>1.74%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 7,083	\$ -	\$ -	\$ -	\$ -	0.00%
440100-Customers - Debt Svc	344,830	344,830	344,830	344,830	-	0.00%
440140-Master Card Rebates	2,524	-	-	-	-	0.00%
440999-Miscellaneous Revenue	79	-	-	-	-	0.00%
459100-Tfr from Escrow Fund	1,000	-	-	-	-	0.00%
<b>Total Other</b>	<b>\$ 355,515</b>	<b>\$ 344,830</b>	<b>\$ 344,830</b>	<b>\$ 344,830</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 20,085	\$ 24,220	\$ 9,370	\$ 9,370	\$ (14,850)	-61.31%
<b>Revenues Total</b>	<b>\$ 6,935,568</b>	<b>\$ 7,430,605</b>	<b>\$ 7,420,250</b>	<b>\$ 7,538,395</b>	<b>\$ 107,790</b>	<b>1.45%</b>
<b>Expenses Total</b>	<b>\$ (6,935,568)</b>	<b>\$ (7,430,605)</b>	<b>\$ (7,420,250)</b>	<b>\$ (7,538,395)</b>	<b>\$ (107,790)</b>	<b>1.45%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

## Expense Detail

Muddy Creek WWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 1,019,765	\$ 1,107,905	\$ 1,115,755	\$ 1,062,095	\$ (45,810)	-4.13%
511060 - Overtime	93,778	70,000	70,000	70,000	-	0.00%
512000 - Social Security	80,939	84,760	83,970	81,255	(3,505)	-4.14%
513000 - Workers' Comp Ins	28,969	30,280	29,330	24,620	(5,660)	-18.69%
513020 - Hospitalization Ins	198,557	211,425	217,360	216,555	5,130	2.43%
513040 - Dental Ins	10,671	11,185	10,970	10,825	(360)	-3.22%
513060 - Life Ins	2,452	2,520	2,800	2,870	350	13.89%
514000 - Retirement	114,805	134,445	134,445	141,215	6,770	5.04%
514010 - Retiree - Insurance	23,420	23,455	23,455	24,635	1,180	5.03%
514020 - Comp Absences-vacation	5,000	4,145	4,145	3,215	(930)	-22.44%
514030 - Comp Absences-sick	4,370	3,460	3,460	2,555	(905)	-26.16%
515000 - Cell Phone Stipend	8,405	8,725	8,725	8,245	(480)	-5.50%
<b>Personnel Total</b>	<b>\$ 1,591,132</b>	<b>\$ 1,692,305</b>	<b>\$ 1,704,415</b>	<b>\$ 1,648,085</b>	<b>\$ (44,220)</b>	<b>-2.61%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 5,194	\$ 5,500	\$ 5,000	\$ 10,500	\$ 5,000	90.91%
520110 - Computer Supplies	10,259	23,030	22,030	16,550	(6,480)	-28.14%
520200 - Xerox Supplies	1,173	1,500	1,500	1,500	-	0.00%
520300 - Clothing Supplies	11,522	13,860	13,360	14,160	300	2.16%
520600 - Fuel, Oil and Lube	6,276	6,430	5,430	6,430	-	0.00%
520610 - Generator Fuel	-	7,320	2,990	7,320	-	0.00%
520630 - Toll Fees	110	250	250	250	-	0.00%
520700 - Machine Oil & Lube	4,616	3,175	4,875	4,890	1,715	54.02%
520800 - Small Tools & Equip	21,891	34,000	34,000	34,000	-	0.00%
520810 - Fire Extinguishers	-	375	375	375	-	0.00%
520900 - Janitorial Supplies	1,926	2,060	3,060	2,060	-	0.00%
521000 - Laboratory Supplies	13,061	10,350	10,350	10,690	340	3.29%
521100 - Medical Supplies	189	555	555	1,010	455	81.98%
521110 - Safety Supplies	26,487	35,800	30,800	36,700	900	2.51%
521200 - Chem - Other	694	10,075	10,075	10,070	(5)	-0.05%
521201 - Chem - Lime	17,979	43,740	40,740	21,900	(21,840)	-49.93%
521203 - Chem - Chlorine	4,482	2,340	5,340	4,680	2,340	100.00%
521209 - Chem - Polymers	59,621	80,500	80,500	89,125	8,625	10.71%
521210 - Chem - Hypochlorite	-	7,000	7,000	7,000	-	0.00%
521212 - Chem - Liq Ferr Sulfate	101,220	138,145	138,145	138,770	625	0.45%
521214 - Chem - Caustic	4,116	7,360	7,360	7,360	-	0.00%
521300 - Botanical Supplies	18	1,500	2,430	1,500	-	0.00%
521400 - Electrical Supplies	68,362	105,640	101,640	105,640	-	0.00%
521500 - Mechanical Supplies	103,426	93,060	118,060	101,800	8,740	9.39%
521700 - Building Supplies	4,216	14,000	14,000	14,500	500	3.57%
521900 - Vehicle Supplies	1,239	2,900	2,900	2,900	-	0.00%
521910 - Tires and Tubes	258	4,400	4,400	4,400	-	0.00%
522000 - Equipment Supplies	899	3,825	3,825	3,825	-	0.00%
522100 - Welding Supplies	62	500	500	1,000	500	100.00%
523000 - Other Supplies	48,299	49,435	59,435	55,000	5,565	11.26%
<b>Supplies Total</b>	<b>\$ 517,592</b>	<b>\$ 708,625</b>	<b>\$ 730,925</b>	<b>\$ 715,905</b>	<b>\$ 7,280</b>	<b>1.03%</b>

## Expense Detail (continued)

Muddy Creek WWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
530300 - Automotive Insurance	\$ 1,425	\$ 1,550	\$ 1,550	\$ 1,490	\$ (60)	-3.87%
530400 - Fire & Exten Cov Ins	10,670	12,645	12,645	14,650	2,005	15.86%
530900 - General Liability Ins	1,117	2,185	2,185	2,385	200	9.15%
531020 - Internet Service	30,491	32,340	32,340	31,380	(960)	-2.97%
531100 - Electric Power	276,298	321,300	321,300	320,000	(1,300)	-0.40%
531200 - Bank Service Fees	25	175	35	100	(75)	-42.86%
531310 - Special Studies & Rpts	17,793	32,250	32,250	37,250	5,000	15.50%
531400 - Legal Service	12,913	10,000	10,000	8,250	(1,750)	-17.50%
531700 - Advertising	1,735	2,200	2,200	-	(2,200)	-100.00%
531800 - Rent or Lease Payment	5,546	4,050	4,050	4,215	165	4.07%
531900 - Travel and Training	5,306	8,300	3,650	6,360	(1,940)	-23.37%
532000 - Mem & Subscriptions	95	4,190	4,190	4,605	415	9.90%
532100 - Vehicle Maint	3,150	2,560	7,640	2,560	-	0.00%
532110 - Veh Maint by Solid Waste	2,174	1,000	2,000	1,000	-	0.00%
532200 - Equipment Maintenance	158,903	78,280	44,040	65,400	(12,880)	-16.45%
532800 - Grounds Maintenance	11,067	11,160	11,160	13,500	2,340	20.97%
532850 - Building Maintenance	-	800	800	10,480	9,680	1210.00%
532900 - Electrical Sys Maint	6,500	50,000	28,400	45,000	(5,000)	-10.00%
533000 - Other Services	147,837	58,500	91,500	149,500	91,000	155.56%
533020 - Contract Labor	-	-	565	-	-	0.00%
533030 - Contractual Safety Serv	-	3,300	3,300	3,300	-	0.00%
533100 - Administration	46,105	9,355	9,355	9,010	(345)	-3.69%
533380 - Odor Control Crew	2,585	3,000	3,000	3,000	-	0.00%
533500 - Lab Svc - Contract	9,963	9,880	9,880	9,880	-	0.00%
533630 - Landfill Service Fees	245,180	292,070	282,070	279,235	(12,835)	-4.39%
533640 - Hauling Fees	96,003	96,390	96,390	98,175	1,785	1.85%
533900 - Permits, Ins, & Lic Fees	56,120	57,940	57,940	57,940	-	0.00%
Support Services	649,674	912,525	896,805	998,640	86,115	9.44%
<b>Services Total</b>	<b>\$ 1,798,673</b>	<b>\$ 2,017,945</b>	<b>\$ 1,971,240</b>	<b>\$ 2,177,305</b>	<b>\$ 159,360</b>	<b>7.90%</b>
<b>Capital Outlay</b>						
540500 - Machinery	\$ 297,870	\$ 207,000	\$ 208,940	\$ 351,000	\$ 144,000	69.57%
540700 - Non-Vehicle Equipment	-	47,000	43,285	-	(47,000)	-100.00%
542000 - Other Capital Outlay	177,201	153,000	156,715	-	(153,000)	-100.00%
<b>Capital Outlay Total</b>	<b>\$ 475,071</b>	<b>\$ 407,000</b>	<b>\$ 408,940</b>	<b>\$ 351,000</b>	<b>\$ (56,000)</b>	<b>-13.76%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 2,202,000	\$ 2,250,000	\$ 2,250,000	\$ 2,288,000	\$ 38,000	1.69%
574010 - DS Acquisition	344,830	344,830	344,830	344,830	-	0.00%
579000 - Bond Service Fees	6,270	9,900	9,900	13,270	3,370	34.04%
<b>Debt Service Total</b>	<b>\$ 2,553,100</b>	<b>\$ 2,604,730</b>	<b>\$ 2,604,730</b>	<b>\$ 2,646,100</b>	<b>\$ 41,370</b>	<b>1.59%</b>
<b>Grand Total</b>	<b>\$ 6,935,568</b>	<b>\$ 7,430,605</b>	<b>\$ 7,420,250</b>	<b>\$ 7,538,395</b>	<b>\$ 107,790</b>	<b>1.45%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$107,790 from the FY20 Original Budget. Major variances are explained below.

- Personnel decreased due to the repurposing of a position.
- Chemicals decreased due to improved efficiency in plant processes.
- Mechanical Supplies increased to repair various aged plant systems and to purchase additional parts.
- Other Services increased for a plant drain system, manhole inspections, clarifier coatings and basin cleaning.
- Support Services allocation increased due to higher Support Fund expenses.
- Machinery increased to purchase electric valve closers, influent pump suction valve replacement and other system pumps. This increase was offset by reductions in Non-Vehicle Equipment and Other Capital Outlay.

## Seis Lagos Wastewater Treatment Plant Revenues and Expenses

Seis Lagos WWTP	2018-19	2019-20	2019-20	2020-21	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	\$ 193,068	\$ 213,640	\$ 217,020	\$ 250,125	\$ 36,485	17.08%
<b>Total Wastewater Sales</b>	<b>\$ 193,068</b>	<b>\$ 213,640</b>	<b>\$ 217,020</b>	<b>\$ 250,125</b>	<b>\$ 36,485</b>	<b>17.08%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 288	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	774	-	-	-	-	0.00%
440999-Miscellaneous Revenue	(3)	-	-	-	-	0.00%
730000-Sale of Capital Assets	165	-	-	-	-	0.00%
<b>Total Other</b>	<b>\$ 1,224</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 2,234	\$ 2,500	\$ 1,170	\$ 1,170	\$ (1,330)	-53.20%
<b>Revenues Total</b>	<b>\$ 196,526</b>	<b>\$ 216,140</b>	<b>\$ 218,190</b>	<b>\$ 251,295</b>	<b>\$ 35,155</b>	<b>16.26%</b>
<b>Expenses Total</b>	<b>\$ (196,526)</b>	<b>\$ (216,140)</b>	<b>\$ (218,190)</b>	<b>\$ (251,295)</b>	<b>\$ (35,155)</b>	<b>16.26%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

## Expense Detail

Seis Lagos WWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 42,968	\$ 43,230	\$ 43,255	\$ 46,595	\$ 3,365	7.78%
511060 - Overtime	7,675	4,800	4,800	4,380	(420)	-8.75%
512000 - Social Security	3,588	3,305	3,225	3,555	250	7.56%
513000 - Workers' Comp Ins	1,126	1,030	1,000	940	(90)	-8.74%
513020 - Hospitalization Ins	11,107	10,295	12,330	14,225	3,930	38.17%
513040 - Dental Ins	629	570	695	795	225	39.47%
513060 - Life Ins	101	95	105	125	30	31.58%
514000 - Retirement	5,755	5,805	5,805	6,575	770	13.26%
514010 - Retiree - Insurance	1,175	1,015	1,015	1,145	130	12.81%
514020 - Comp Absences-vacation	525	375	375	345	(30)	-8.00%
514030 - Comp Absences-sick	700	585	585	465	(120)	-20.51%
515000 - Cell Phone Stipend	335	300	300	380	80	26.67%
<b>Personnel Total</b>	<b>\$ 75,684</b>	<b>\$ 71,405</b>	<b>\$ 73,490</b>	<b>\$ 79,525</b>	<b>\$ 8,120</b>	<b>11.37%</b>

## Expense Detail (continued)

Seis Lagos WWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520100 - Office Supplies	\$ 40	\$ -	\$ -	\$ -	-	0.00%
520300 - Clothing Supplies	517	550	550	625	75	13.64%
520700 - Machine Oil & Lube	200	400	400	400	-	0.00%
520800 - Small Tools & Equip	2,966	500	500	4,500	4,000	800.00%
520810 - Fire Extinguishers	129	150	150	80	(70)	-46.67%
521110 - Safety Supplies	155	1,000	1,000	1,000	-	0.00%
521200 - Chem - Other	52	1,975	4,025	4,100	2,125	107.59%
521203 - Chem - Chlorine	3,496	4,170	5,620	5,225	1,055	25.30%
521400 - Electrical Supplies	11,971	1,500	6,500	2,500	1,000	66.67%
521500 - Mechanical Supplies	6,881	14,900	11,380	5,000	(9,900)	-66.44%
522000 - Equipment Supplies	528	2,025	-	2,025	-	0.00%
522200 - Road Maint Supplies	-	600	600	600	-	0.00%
523000 - Other Supplies	276	600	600	600	-	0.00%
523660 - Small Plants Supplies	8,597	9,715	9,325	10,355	640	6.59%
<b>Supplies Total</b>	<b>\$ 35,809</b>	<b>\$ 38,085</b>	<b>\$ 40,650</b>	<b>\$ 37,010</b>	<b>(\$ 1,075)</b>	<b>-2.82%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 559	\$ 590	\$ 590	\$ 570	(20)	-3.39%
530900 - General Liability Ins	34	45	45	45	-	0.00%
531000 - Telephone	835	1,200	1,200	1,200	-	0.00%
531020 - Internet Service	90	90	90	90	-	0.00%
531100 - Electric Power	14,671	16,700	16,700	17,000	300	1.80%
531310 - Special Studies & Rpts	-	-	-	5,000	5,000	0.00%
531400 - Legal Service	-	3,300	3,300	11,000	7,700	233.33%
531700 - Advertising	-	100	100	2,120	2,020	2020.00%
531800 - Rent or Lease Payment	309	100	-	100	-	0.00%
531900 - Travel and Training	9	-	-	-	-	0.00%
532200 - Equipment Maintenance	1,780	1,450	-	1,450	-	0.00%
532800 - Grounds Maintenance	1,525	1,455	1,455	3,450	1,995	137.11%
532900 - Electrical Sys Maint	-	1,675	1,675	-	(1,675)	-100.00%
533000 - Other Services	1,040	8,000	1,895	3,000	(5,000)	-62.50%
533100 - Administration	2,255	445	445	410	(35)	-7.87%
533500 - Lab Svc - Contract	653	700	700	700	-	0.00%
533630 - Landfill Service Fees	2,394	270	4,270	4,600	4,330	1603.70%
533640 - Hauling Fees	1,260	2,140	5,540	4,870	2,730	127.57%
533660 - Small Plants Exp	1,596	7,385	7,380	7,275	(110)	-1.49%
533670 - Hauling and Dewatering	5,650	5,320	2,620	1,690	(3,630)	-68.23%
533900 - Permits, Ins, & Lic Fees	1,290	1,330	1,330	3,345	2,015	151.50%
Support Services	48,135	50,390	50,360	60,515	10,125	20.09%
<b>Services Total</b>	<b>\$ 84,083</b>	<b>\$ 102,685</b>	<b>\$ 99,695</b>	<b>\$ 128,430</b>	<b>\$ 25,745</b>	<b>25.07%</b>

**Expense Detail (continued)**

Seis Lagos WWTP	2018-19	2019-20	2019-20	2020-21	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	\$ -	\$ 3,015	\$ 3,405	\$ 4,380	\$ 1,365	45.27%
<b>Capital Outlay Total</b>	<b>\$ -</b>	<b>\$ 3,015</b>	<b>\$ 3,405</b>	<b>\$ 4,380</b>	<b>\$ 1,365</b>	<b>45.27%</b>
<b>Escrow</b>						
550660 - Rsv for Maintenance	\$ 950	\$ 950	\$ 950	\$ 1,950	\$ 1,000	105.26%
<b>Escrow Total</b>	<b>\$ 950</b>	<b>\$ 950</b>	<b>\$ 950</b>	<b>\$ 1,950</b>	<b>\$ 1,000</b>	<b>105.26%</b>
<b>Grand Total</b>	<b>\$ 196,526</b>	<b>\$ 216,140</b>	<b>\$ 218,190</b>	<b>\$ 251,295</b>	<b>\$ 35,155</b>	<b>16.26%</b>

**Major FY21 Budget Items**

The department's FY21 Proposed Budget has increased by \$35,155 from the FY20 Original Budget. Major variances are explained below.

- Personnel increased due to higher insurance costs.
- Small Tools and Equipment increased to install a new SCADA monitoring system that will replace the current auto dialer system.
- Mechanical Supplies decreased as a result of a lower need in FY21.
- Special Studies & Reports, Legal Service, Advertising and Permits, Inspection & License Fees increased due to permit renewal related services.
- Support Services allocation increased due to higher Support Fund expenses.
- Landfill Service Fees and Hauling Fees increased due to solids being dewatered on site rather than wet hauling.
- Small Plants increased due to a higher Small Plants allocation percentage.
- Escrow increased due to a higher transfer to the Reserve for Maintenance account.

## Royse City Wastewater Treatment Plant

### Revenues and Expenses

Royse City WWTP	2018-19	2019-20	2019-20	2020-21	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	\$ 15,638	\$ 26,555	\$ 26,745	\$ 24,935	\$ (1,620)	-6.10%
<b>Total Wastewater Sales</b>	<b>\$ 15,638</b>	<b>\$ 26,555</b>	<b>\$ 26,745</b>	<b>\$ 24,935</b>	<b>\$ (1,620)</b>	<b>-6.10%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 40	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	7	-	-	-	-	0.00%
<b>Total Other</b>	<b>\$ 47</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 106	\$ 120	\$ 95	\$ 95	\$ (25)	-20.83%
<b>Revenues Total</b>	<b>\$ 15,790</b>	<b>\$ 26,675</b>	<b>\$ 26,840</b>	<b>\$ 25,030</b>	<b>\$ (1,645)</b>	<b>-6.17%</b>
<b>Expenses Total</b>	<b>\$ (15,790)</b>	<b>\$ (26,675)</b>	<b>\$ (26,840)</b>	<b>\$ (25,030)</b>	<b>\$ 1,645</b>	<b>-6.17%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>0.00%</b>				

### Expense Detail

Royse City WWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 5,370	\$ 3,230	\$ 3,230	\$ 1,280	\$ (1,950)	-60.37%
511060 - Overtime	956	600	600	120	(480)	-80.00%
512000 - Social Security	446	245	240	100	(145)	-59.18%
513000 - Workers' Comp Ins	142	75	75	20	(55)	-73.33%
513020 - Hospitalization Ins	1,388	765	920	435	(330)	-43.14%
513040 - Dental Ins	77	35	50	55	20	57.14%
513060 - Life Ins	12	5	10	-	(5)	-100.00%
514000 - Retirement	685	745	745	815	70	9.40%
514010 - Retiree - Insurance	140	130	130	140	10	7.69%
514020 - Comp Absences-vacation	60	50	50	45	(5)	-10.00%
514030 - Comp Absences-sick	95	75	75	55	(20)	-26.67%
515000 - Cell Phone Stipend	42	25	25	25	-	0.00%
<b>Personnel Total</b>	<b>\$ 9,412</b>	<b>\$ 5,980</b>	<b>\$ 6,150</b>	<b>\$ 3,090</b>	<b>\$ (2,890)</b>	<b>-48.33%</b>
<b>Supplies</b>						
520300 - Clothing Supplies	\$ 65	\$ 40	\$ 40	\$ 20	\$ (20)	-50.00%
521110 - Safety Supplies	11	-	-	-	-	0.00%
523660 - Small Plants Supplies	1,070	725	695	285	(440)	-60.69%
<b>Supplies Total</b>	<b>\$ 1,146</b>	<b>\$ 765</b>	<b>\$ 735</b>	<b>\$ 305</b>	<b>\$ (460)</b>	<b>-60.13%</b>

## Expense Detail (continued)

Royse City WWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
530300 - Automotive Insurance	\$ 71	\$ 80	\$ 80	\$ 75	(5)	-6.25%
530900 - General Liability Ins	4	5	5	5	-	0.00%
531100 - Electric Power	99	110	110	110	-	0.00%
531310 - Special Studies & Rpts	-	2,000	2,000	5,000	3,000	150.00%
531400 - Legal Service	-	5,000	5,000	5,500	500	10.00%
531700 - Advertising	-	4,000	4,000	2,760	(1,240)	-31.00%
532800 - Grounds Maintenance	1,774	2,155	2,155	1,790	(365)	-16.94%
533100 - Administration	255	40	40	45	5	12.50%
533660 - Small Plants Exp	199	550	550	200	(350)	-63.64%
533900 - Permits, Ins, & Lic Fees	1,460	3,520	3,520	3,520	-	0.00%
Support Services	1,370	2,245	2,240	2,510	265	11.80%
<b>Services Total</b>	<b>\$ 5,232</b>	<b>\$ 19,705</b>	<b>\$ 19,700</b>	<b>\$ 21,515</b>	<b>\$ 1,810</b>	<b>9.19%</b>
<b>Capital Outlay</b>						
543660 - Small Plants Capital	\$ -	\$ 225	\$ 255	\$ 120	(105)	-46.67%
<b>Capital Outlay Total</b>	<b>\$ -</b>	<b>\$ 225</b>	<b>\$ 255</b>	<b>\$ 120</b>	<b>(105)</b>	<b>-46.67%</b>
<b>Grand Total</b>	<b>\$ 15,790</b>	<b>\$ 26,675</b>	<b>\$ 26,840</b>	<b>\$ 25,030</b>	<b>(1,645)</b>	<b>-6.17%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has decreased by \$1,645 from the FY20 Original Budget. Major variances are explained below.

- Personnel, Supplies and Capital Outlay decreased due to a reduction in the Small Plants allocation percentage.
- Legal Service and Special Studies & Reports increased due to permit renewal related services.

## Farmersville Wastewater Treatment Plant Revenues and Expenses

Farmersville WWTP	2018-19	2019-20	2019-20	2020-21	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	\$ 373,195	\$ 478,305	\$ 487,610	\$ 528,185	\$ 49,880	10.43%
<b>Total Wastewater Sales</b>	<b>\$ 373,195</b>	<b>\$ 478,305</b>	<b>\$ 487,610</b>	<b>\$ 528,185</b>	<b>\$ 49,880</b>	<b>10.43%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 416	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	1,537	-	-	-	-	0.00%
440999-Miscellaneous Revenue	7,091	-	-	-	-	0.00%
459100-Tfr from Escrow Fund	14,700	-	-	-	-	0.00%
730000-Sale of Capital Assets	165	-	-	-	-	0.00%
<b>Total Other</b>	<b>\$ 23,909</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 2,183	\$ 2,510	\$ 1,425	\$ 1,425	\$ (1,085)	-43.23%
<b>Revenues Total</b>	<b>\$ 399,287</b>	<b>\$ 480,815</b>	<b>\$ 489,035</b>	<b>\$ 529,610</b>	<b>\$ 48,795</b>	<b>10.15%</b>
<b>Expenses Total</b>	<b>\$ (399,287)</b>	<b>\$ (480,815)</b>	<b>\$ (489,035)</b>	<b>\$ (529,610)</b>	<b>\$ (48,795)</b>	<b>10.15%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

## Expense Detail

Farmersville WWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 85,916	\$ 107,720	\$ 107,805	\$ 106,600	\$ (1,120)	-1.04%
511060 - Overtime	15,346	9,600	9,600	10,020	420	4.38%
512000 - Social Security	7,177	8,245	8,045	8,155	(90)	-1.09%
513000 - Workers' Comp Ins	2,214	2,570	2,485	2,140	(430)	-16.73%
513020 - Hospitalization Ins	22,098	25,665	30,730	32,530	6,865	26.75%
513040 - Dental Ins	1,257	1,420	1,735	1,770	350	24.65%
513060 - Life Ins	202	240	265	280	40	16.67%
514000 - Retirement	7,955	10,885	10,885	12,760	1,875	17.23%
514010 - Retiree - Insurance	1,625	1,900	1,900	2,225	325	17.11%
514020 - Comp Absences-vacation	720	795	795	805	10	1.26%
514030 - Comp Absences-sick	1,320	1,105	1,105	1,010	(95)	-8.60%
515000 - Cell Phone Stipend	666	760	760	840	80	10.53%
<b>Personnel Total</b>	<b>\$ 146,496</b>	<b>\$ 170,905</b>	<b>\$ 176,110</b>	<b>\$ 179,135</b>	<b>\$ 8,230</b>	<b>4.82%</b>

## Expense Detail (continued)

Farmersville WWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520300 - Clothing Supplies	\$ 1,134	\$ 1,370	\$ 1,370	\$ 1,430	\$ 60	4.38%
520610 - Generator Fuel	405	600	600	600	-	0.00%
520700 - Machine Oil & Lube	502	600	600	600	-	0.00%
520800 - Small Tools & Equip	177	11,550	4,800	4,150	(7,400)	-64.07%
520810 - Fire Extinguishers	-	150	150	120	(30)	-20.00%
521110 - Safety Supplies	326	500	500	500	-	0.00%
521200 - Chem - Other	5,875	7,600	12,500	10,100	2,500	32.89%
521203 - Chem - Chlorine	5,564	8,680	10,180	9,980	1,300	14.98%
521400 - Electrical Supplies	10,507	6,000	14,250	10,000	4,000	66.67%
521500 - Mechanical Supplies	20,434	12,650	7,750	18,500	5,850	46.25%
521700 - Building Supplies	306	-	-	-	-	0.00%
522000 - Equipment Supplies	6,154	3,050	3,050	1,000	(2,050)	-67.21%
522200 - Road Maint Supplies	-	600	600	600	-	0.00%
523000 - Other Supplies	352	800	800	800	-	0.00%
523660 - Small Plants Supplies	17,113	24,215	23,245	23,690	(525)	-2.17%
<b>Supplies Total</b>	<b>\$ 68,849</b>	<b>\$ 78,365</b>	<b>\$ 80,395</b>	<b>\$ 82,070</b>	<b>\$ 3,705</b>	<b>4.73%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 2,680	\$ 2,115	\$ 2,115	\$ 2,950	\$ 835	39.48%
530900 - General Liability Ins	64	80	80	85	5	6.25%
531020 - Internet Service	353	390	390	390	-	0.00%
531100 - Electric Power	40,959	45,000	45,000	50,000	5,000	11.11%
531120 - Retail Water Service	5,121	1,200	1,200	1,200	-	0.00%
531310 - Special Studies & Rpts	-	-	-	15,000	15,000	0.00%
531400 - Legal Service	245	3,000	3,000	11,000	8,000	266.67%
531700 - Advertising	-	500	500	4,240	3,740	748.00%
531800 - Rent or Lease Payment	2,100	500	2,500	500	-	0.00%
532200 - Equipment Maintenance	5,403	6,000	1,000	3,000	(3,000)	-50.00%
532800 - Grounds Maintenance	1,739	2,050	2,050	2,980	930	45.37%
532900 - Electrical Sys Maint	-	3,675	3,675	5,000	1,325	36.05%
533000 - Other Services	2,376	17,500	5,500	7,000	(10,500)	-60.00%
533030 - Contractual Safety Serv	-	2,750	2,750	2,750	-	0.00%
533100 - Administration	3,835	800	800	810	10	1.25%
533500 - Lab Svc - Contract	1,306	2,100	2,100	2,100	-	0.00%
533630 - Landfill Service Fees	12,410	9,205	14,705	8,700	(505)	-5.49%
533640 - Hauling Fees	5,764	5,280	6,280	5,360	80	1.52%
533660 - Small Plants Exp	3,191	18,405	18,400	16,640	(1,765)	-9.59%
533900 - Permits, Ins, & Lic Fees	4,376	4,510	4,510	8,540	4,030	89.36%
Support Services	92,020	78,970	83,490	105,140	26,170	33.14%
<b>Services Total</b>	<b>\$ 183,942</b>	<b>\$ 204,030</b>	<b>\$ 200,045</b>	<b>\$ 253,385</b>	<b>\$ 49,355</b>	<b>24.19%</b>

**Expense Detail (continued)**

<b>Farmersville WWTP</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2019-20</b>	<b>2020-21</b>	<b>Variance \$</b>	<b>Variance %</b>
<b>Expense Category</b>	<b>Actual</b>	<b>Original Budget</b>	<b>Amended Budget</b>	<b>Proposed Budget</b>	<b>To Original Budget</b>	<b>To Original Budget</b>
<b>Capital Outlay</b>						
540500 - Machinery	\$ -	\$ 20,000	\$ 24,000	\$ 5,000	\$ (15,000)	-75.00%
543660 - Small Plants Capital	-	7,515	8,485	10,020	2,505	33.33%
<b>Capital Outlay Total</b>	<b>\$ -</b>	<b>\$ 27,515</b>	<b>\$ 32,485</b>	<b>\$ 15,020</b>	<b>\$ (12,495)</b>	<b>-45.41%</b>
<b>Grand Total</b>	<b>\$ 399,287</b>	<b>\$ 480,815</b>	<b>\$ 489,035</b>	<b>\$ 529,610</b>	<b>\$ 48,795</b>	<b>10.15%</b>

**Major FY21 Budget Items**

The department's FY21 Proposed Budget has increased by \$48,795 from the FY20 Original Budget. Major variances are explained below.

- Personnel increased due to higher projected insurance costs.
- Electrical Supplies increased for the installation of new SCADA monitoring system that will replace the current auto dialer system.
- Chemicals increased because of higher unit costs.
- Support Services allocation increased due to higher Support Fund expenses.
- Special Studies & Reports, Legal Service, Advertising and Permits, Inspection & License Fees increased due to permit renewal related services.

## Lavon (Bear Creek) Wastewater Treatment Plant Revenues and Expenses

Lavon WWTP	2018-19	2019-20	2019-20	2020-21	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	\$ 247,682	\$ 360,580	\$ 365,780	\$ 419,450	\$ 58,870	16.33%
<b>Total Wastewater Sales</b>	<b>\$ 247,682</b>	<b>\$ 360,580</b>	<b>\$ 365,780</b>	<b>\$ 419,450</b>	<b>\$ 58,870</b>	<b>16.33%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 288	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	1,463	-	-	-	-	0.00%
440999-Miscellaneous Revenue	(2)	-	-	-	-	0.00%
730000-Sale of Capital Assets	165	-	-	-	-	0.00%
<b>Total Other</b>	<b>\$ 1,914</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Intest Income	\$ 2,389	\$ 2,525	\$ 1,375	\$ 1,375	\$ (1,150)	-45.54%
<b>Revenues Total</b>	<b>\$ 251,985</b>	<b>\$ 363,105</b>	<b>\$ 367,155</b>	<b>\$ 420,825</b>	<b>\$ 57,720</b>	<b>15.90%</b>
<b>Expenses Total</b>	<b>\$ (251,985)</b>	<b>\$ (363,105)</b>	<b>\$ (367,155)</b>	<b>\$ (420,825)</b>	<b>\$ (57,720)</b>	<b>15.90%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

## Expense Detail

Lavon WWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 53,797	\$ 85,155	\$ 85,215	\$ 106,600	\$ 21,445	25.18%
511060 - Overtime	9,617	6,000	6,000	10,020	4,020	67.00%
512000 - Social Security	4,494	6,515	6,360	8,155	1,640	25.17%
513000 - Workers' Comp Ins	1,410	2,035	1,965	2,140	105	5.16%
513020 - Hospitalization Ins	13,912	20,285	24,285	32,530	12,245	60.36%
513040 - Dental Ins	788	1,120	1,370	1,770	650	58.04%
513060 - Life Ins	126	190	210	280	90	47.37%
514000 - Retirement	5,870	7,260	7,260	8,050	790	10.88%
514010 - Retiree - Insurance	1,195	1,265	1,265	1,405	140	11.07%
514020 - Comp Absences-vacation	535	510	510	460	(50)	-9.80%
514030 - Comp Absences-sick	880	735	735	575	(160)	-21.77%
515000 - Cell Phone Stipend	419	600	600	825	225	37.50%
<b>Personnel Total</b>	<b>\$ 93,042</b>	<b>\$ 131,670</b>	<b>\$ 135,775</b>	<b>\$ 172,810</b>	<b>\$ 41,140</b>	<b>31.24%</b>

## Expense Detail (continued)

Lavon WWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520300 - Clothing Supplies	\$ 788	\$ 1,090	\$ 1,090	\$ 1,430	\$ 340	31.19%
520610 - Generator Fuel	-	315	315	315	-	0.00%
520700 - Machine Oil & Lube	200	200	200	200	-	0.00%
520800 - Small Tools & Equip	2,910	500	1,300	4,500	4,000	800.00%
520810 - Fire Extinguishers	150	150	150	160	10	6.67%
520900 - Janitorial Supplies	(0)	-	-	-	-	0.00%
521110 - Safety Supplies	146	1,500	1,500	1,500	-	0.00%
521200 - Chem - Other	-	3,225	10,025	6,100	2,875	89.15%
521203 - Chem - Chlorine	2,095	3,050	5,250	5,250	2,200	72.13%
521400 - Electrical Supplies	6,539	2,000	4,500	8,000	6,000	300.00%
521500 - Mechanical Supplies	16,248	5,000	33,000	5,000	-	0.00%
522000 - Equipment Supplies	-	2,025	590	2,025	-	0.00%
522200 - Road Maint Supplies	-	600	600	1,200	600	100.00%
523000 - Other Supplies	3,140	2,000	1,000	2,000	-	0.00%
523660 - Small Plants Supplies	10,695	19,140	18,375	23,690	4,550	23.77%
<b>Supplies Total</b>	<b>\$ 42,909</b>	<b>\$ 40,795</b>	<b>\$ 77,895</b>	<b>\$ 61,370</b>	<b>\$ 20,575</b>	<b>50.44%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 701	\$ 740	\$ 740	\$ 705	\$ (35)	-4.73%
530900 - General Liability Ins	43	55	55	55	-	0.00%
531020 - Internet Service	615	810	810	810	-	0.00%
531310 - Special Studies & Rpts	-	-	-	5,000	5,000	0.00%
531400 - Legal Service	545	5,500	5,500	11,000	5,500	100.00%
531700 - Advertising	-	500	500	2,120	1,620	324.00%
531800 - Rent or Lease Payment	2,450	2,000	2,000	500	(1,500)	-75.00%
532200 - Equipment Maintenance	5,950	8,500	1,700	4,000	(4,500)	-52.94%
532800 - Grounds Maintenance	723	880	880	730	(150)	-17.05%
532900 - Electrical Sys Maint	-	2,675	2,675	1,800	(875)	-32.71%
533000 - Other Services	4,606	46,000	4,935	25,000	(21,000)	-45.65%
533100 - Administration	2,660	605	605	630	25	4.13%
533380 - Odor Control Crew	2,260	2,000	2,000	2,000	-	0.00%
533500 - Lab Svc - Contract	653	700	700	700	-	0.00%
533630 - Landfill Service Fees	6,537	5,400	8,800	4,970	(430)	-7.96%
533640 - Hauling Fees	7,191	2,840	5,840	3,600	760	26.76%
533660 - Small Plants Exp	1,994	14,545	14,540	16,640	2,095	14.40%
533670 - Hauling and Dewatering	13,079	2,055	2,055	2,100	45	2.19%
533900 - Permits, Ins, & Lic Fees	1,250	3,000	3,000	5,015	2,015	67.17%
Support Services	60,778	66,895	81,845	74,450	7,555	11.29%
<b>Services Total</b>	<b>\$ 112,034</b>	<b>\$ 165,700</b>	<b>\$ 139,180</b>	<b>\$ 161,825</b>	<b>\$ (3,875)</b>	<b>-2.34%</b>

## Expense Detail (continued)

Lavon WWTP	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Capital Outlay</b>						
540200 - Building	\$ -	\$ 5,000	\$ -	\$ -	(5,000)	-100.00%
540500 - Machinery	-	10,000	3,600	10,000	-	0.00%
543660 - Small Plants Capital	-	5,940	6,705	10,020	4,080	68.69%
<b>Capital Outlay Total</b>	<b>\$ -</b>	<b>\$ 20,940</b>	<b>\$ 10,305</b>	<b>\$ 20,020</b>	<b>\$ (920)</b>	<b>-4.39%</b>
<b>Escrow</b>						
550660 - Rsv for Maintenance	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,800	\$ 800	20.00%
<b>Escrow Total</b>	<b>\$ 4,000</b>	<b>\$ 4,000</b>	<b>\$ 4,000</b>	<b>\$ 4,800</b>	<b>\$ 800</b>	<b>20.00%</b>
<b>Grand Total</b>	<b>\$ 251,985</b>	<b>\$ 363,105</b>	<b>\$ 367,155</b>	<b>\$ 420,825</b>	<b>\$ 57,720</b>	<b>15.90%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$57,720 from the FY20 Original Budget. Major variances are explained below.

- Personnel increased because of a higher Small Plants allocation percentage.
- Electrical Supplies and Small Tools and Equipment increased to install a new SCADA monitoring system that will replace the current auto dialer system.
- Chemicals increased as a result of the increased flows from the plant expansion and the implementation of a sludge dewatering process.
- Special Studies and Reports, Legal Service, Advertising and Permits, Inspection & License Fees increased due to permit renewal related services.
- Other Services decreased because of a lower need in FY21.

## Small Wastewater Treatment Plants

### Position Summary

#### Small WWTPs

Full-Time Positions	FY20	FY21	Difference
Chief Wastewater Plant Operator	1.0	1.0	-
Information Systems Assistant	1.0	1.0	-
Sewer System Plants Manager	0.5	0.5	-
Wastewater Plant Operator II	4.0	4.0	-
Wastewater Plant Operator III	3.0	3.0	-
Wastewater Plant Supervisor II	1.0	1.0	-
<b>Total Full-Time Positions</b>	<b>10.5</b>	<b>10.5</b>	<b>-</b>

### Expense Detail

Small WWTPs	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520100 - Office Supplies	\$ 6,906	\$ 4,500	\$ 4,500	\$ 4,500	\$ -	0.00%
520110 - Computer Supplies	9,859	16,835	16,835	13,190	(3,645)	-21.65%
520200 - Xerox Supplies	1,501	2,400	2,400	2,400	-	0.00%
520300 - Clothing Supplies	4	-	-	-	-	0.00%
520600 - Fuel, Oil and Lube	28,548	31,095	31,095	31,495	400	1.29%
520630 - Toll Fees	494	250	350	250	-	0.00%
520700 - Machine Oil & Lube	20	-	-	-	-	0.00%
520800 - Small Tools & Equip	15,709	19,000	13,100	19,000	-	0.00%
520810 - Fire Extinguishers	500	500	500	500	-	0.00%
520900 - Janitorial Supplies	642	1,000	1,000	1,000	-	0.00%
521000 - Laboratory Supplies	6,662	10,000	10,000	10,000	-	0.00%
521110 - Safety Supplies	22,454	37,415	37,415	37,415	-	0.00%
521500 - Mechanical Supplies	521	-	-	-	-	0.00%
521900 - Vehicle Supplies	6,902	8,800	8,800	8,900	100	1.14%
521910 - Tires and Tubes	3,202	9,200	9,200	9,200	-	0.00%
522000 - Equipment Supplies	5	1,000	1,000	1,000	-	0.00%
523000 - Other Supplies	3,028	3,000	3,000	3,000	-	0.00%
<b>Supplies Total</b>	<b>\$ 106,957</b>	<b>\$ 144,995</b>	<b>\$ 139,195</b>	<b>\$ 141,850</b>	<b>\$ (3,145)</b>	<b>-2.17%</b>
<b>Services</b>						
531020 - Internet Service	\$ 10,379	\$ 7,200	\$ 7,200	\$ 6,000	\$ (1,200)	-16.67%
531900 - Travel and Training	2,075	4,000	4,000	3,050	(950)	-23.75%
532000 - Mem & Subscriptions	600	190	790	105	(85)	-44.74%
532100 - Vehicle Maint	895	5,000	8,000	7,000	2,000	40.00%
532110 - Veh Maint by Solid Waste	3,227	3,000	3,000	3,000	-	0.00%
533030 - Contractual Safety Serv	-	6,150	6,150	6,300	150	2.44%
533100 - Administration	-	55	55	-	(55)	-100.00%
534000 - Uninsured losses	1,000	-	-	-	-	0.00%
Support Services	1,770	84,600	80,970	74,200	(10,400)	-12.29%
<b>Services Total</b>	<b>\$ 19,944</b>	<b>\$ 110,195</b>	<b>\$ 110,165</b>	<b>\$ 99,655</b>	<b>\$ (10,540)</b>	<b>-9.56%</b>

### Expense Detail (continued)

Small WWTPs	2018-19	2019-20	2019-20	2020-21	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	\$ 60,000	0.00%
540500 - Machinery	-	45,000	50,800	-	(45,000)	-100.00%
<b>Capital Outlay Total</b>	<b>\$ -</b>	<b>\$ 45,000</b>	<b>\$ 50,800</b>	<b>\$ 60,000</b>	<b>\$ 15,000</b>	<b>33.33%</b>
<b>Grand Total</b>	<b>\$ 126,901</b>	<b>\$ 300,190</b>	<b>\$ 300,160</b>	<b>\$ 301,505</b>	<b>\$ 1,315</b>	<b>0.44%</b>

### Major FY21 Budget Items

The department’s FY21 Proposed Budget has increased by \$1,315 from the FY20 Original Budget. Major variances are explained below.

- Computer Supplies decreased due to lower need.
- Support Services decreased due to a reduction of the Support Fund allocation.
- Vehicle Equipment increased to replace a diesel service truck but is offset by no Machinery purchases.

### Allocation of Expenses

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

Small Wastewater Treatment Plants	Allocated Amount
Wylie WWTP	\$ 605
South Rockwall (Buffalo Creek) WWTP	62,105
North Rockwall (Squabble Creek) WWTP	40,100
Sabine Creek WWTP	75,380
Seis Lagos WWTP	22,010
Royse City WWTP	605
Farmersville WWTP	50,350
Lavon WWTP	50,350
<b>Total</b>	<b>\$ 301,505</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 2019 Flow Conveyed (Million Gallons)	Communities Served
Forney Interceptor	519	Forney
Lower East Fork Interceptor	738	Mesquite, Seagoville
Muddy Creek Interceptor	3,027	Wylie, Murphy
Parker Creek Interceptor	205	Royse City, Fate
Sabine Creek Interceptor	359	Royse City
Buffalo Creek Interceptor	2,118	Rockwall, Heath, Forney
McKinney Interceptor	1,537	McKinney
Mustang Creek Interceptor	412	Forney
Parker Creek Parallel Interceptor	113	Fate

### FY2021 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	2018-19	2019-20	2019-20	2020-21	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	\$ 442,557	\$ 516,930	\$ 519,670	\$ 516,330	\$ (600)	-0.12%
<b>Total Wastewater Sales</b>	<b>\$ 442,557</b>	<b>\$ 516,930</b>	<b>\$ 519,670</b>	<b>\$ 516,330</b>	<b>\$ (600)</b>	<b>-0.12%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 71	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	673	-	-	-	-	0.00%
<b>Total Other</b>	<b>\$ 743</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 2,354	\$ 2,500	\$ 1,490	\$ 1,490	\$ (1,010)	-40.40%
<b>Revenues Total</b>	<b>\$ 445,655</b>	<b>\$ 519,430</b>	<b>\$ 521,160</b>	<b>\$ 517,820</b>	<b>\$ (1,610)</b>	<b>-0.31%</b>
<b>Expenses Total</b>	<b>\$ (445,655)</b>	<b>\$ (519,430)</b>	<b>\$ (521,160)</b>	<b>\$ (517,820)</b>	<b>\$ 1,610</b>	<b>-0.31%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

## Expense Detail

Forney Interceptor	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520610 - Generator Fuel	\$ 283	\$ 1,050	\$ 1,050	\$ 1,050	\$ -	0.00%
520700 - Machine Oil & Lube	-	100	100	100	-	0.00%
520800 - Small Tools & Equip	176	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	-	7,650	20,250	10,000	2,350	30.72%
521215 - Chem - Bioxide	96,274	86,710	96,710	95,980	9,270	10.69%
521400 - Electrical Supplies	1,253	5,000	5,000	5,000	-	0.00%
521500 - Mechanical Supplies	136	20,000	11,000	20,000	-	0.00%
521600 - Pipeline Supplies	1,072	1,000	1,000	6,000	5,000	500.00%
521700 - Building Supplies	220	100	100	100	-	0.00%
522000 - Equipment Supplies	-	750	750	750	-	0.00%
522200 - Road Maint Supplies	488	1,200	1,200	1,200	-	0.00%
523000 - Other Supplies	-	150	150	150	-	0.00%
<b>Supplies Total</b>	<b>\$ 99,902</b>	<b>\$ 129,645</b>	<b>\$ 143,245</b>	<b>\$ 146,265</b>	<b>\$ 16,620</b>	<b>12.82%</b>

## Expense Detail (continued)

Forney Interceptor	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
531020 - Internet Service	\$ 90	\$ 2,590	\$ 2,590	\$ 2,590	-	0.00%
531100 - Electric Power	45,982	56,950	56,950	50,000	(6,950)	-12.20%
531310 - Special Studies & Rpts	49,219	25,000	25,000	25,000	-	0.00%
531800 - Rent or Lease Payment	1,550	100	100	100	-	0.00%
532200 - Equipment Maintenance	3,780	12,000	12,000	12,000	-	0.00%
532220 - Pipeline Maintenance	13,409	28,750	18,750	28,750	-	0.00%
532230 - Facilities Maintenance	-	10,000	8,150	10,000	-	0.00%
532800 - Grounds Maintenance	-	-	-	9,740	9,740	0.00%
532810 - Grounds Maint - Contract	10,486	9,585	9,585	-	(9,585)	-100.00%
532900 - Electrical Sys Maint	6,500	10,850	10,850	11,470	620	5.71%
533000 - Other Services	5,320	500	500	500	-	0.00%
533030 - Contractual Safety Serv	-	2,200	2,200	2,200	-	0.00%
533100 - Administration	3,620	-	-	930	930	0.00%
533380 - Odor Control Crew	5,725	5,000	5,000	5,500	500	10.00%
533630 - Landfill Service Fees	-	1,750	1,750	1,750	-	0.00%
533680 - Conveyance System Exp	57,200	66,900	66,900	71,100	4,200	6.28%
Support Services	27,177	45,860	45,840	49,925	4,065	8.86%
<b>Services Total</b>	<b>\$ 230,058</b>	<b>\$ 278,035</b>	<b>\$ 266,165</b>	<b>\$ 281,555</b>	<b>\$ 3,520</b>	<b>1.27%</b>
<b>Escrow</b>						
550700 - Prev Maint Escrow	\$ 115,695	\$ 111,750	\$ 111,750	\$ 90,000	(21,750)	-19.46%
<b>Escrow Total</b>	<b>\$ 115,695</b>	<b>\$ 111,750</b>	<b>\$ 111,750</b>	<b>\$ 90,000</b>	<b>(21,750)</b>	<b>-19.46%</b>
<b>Grand Total</b>	<b>\$ 445,655</b>	<b>\$ 519,430</b>	<b>\$ 521,160</b>	<b>\$ 517,820</b>	<b>(1,610)</b>	<b>-0.31%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has decreased by \$1,610 from the FY20 Original Budget. Major variances are explained below.

- Chemicals increased based on current feed rates necessary for odor control measures and price increase.
- Pipeline Supplies increased to purchase manhole frames and covers.
- Support Services allocation increased due to higher Support Fund expenses.
- Preventative Maintenance Escrow decreased due to the reduction of the transfer amount.

### Lower East Fork Interceptor Revenues and Expenses

Lower East Fork Interceptor	2018-19	2019-20	2019-20	2020-21	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	\$ 1,751,770	\$ 1,853,395	\$ 1,857,025	\$ 1,855,235	\$ 1,840	0.10%
<b>Total Wastewater Sales</b>	<b>\$ 1,751,770</b>	<b>\$ 1,853,395</b>	<b>\$ 1,857,025</b>	<b>\$ 1,855,235</b>	<b>\$ 1,840</b>	<b>0.10%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 280	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	339	-	-	-	-	0.00%
<b>Total Other</b>	<b>\$ 618</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 6,366	\$ 6,800	\$ 3,075	\$ 3,075	\$ (3,725)	-54.78%
<b>Revenues Total</b>	<b>\$ 1,758,754</b>	<b>\$ 1,860,195</b>	<b>\$ 1,860,100</b>	<b>\$ 1,858,310</b>	<b>\$ (1,885)</b>	<b>-0.10%</b>
<b>Expenses Total</b>	<b>\$ (1,758,754)</b>	<b>\$ (1,860,195)</b>	<b>\$ (1,860,100)</b>	<b>\$ (1,858,310)</b>	<b>\$ 1,885</b>	<b>-0.10%</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	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520610 - Generator Fuel	\$ 231	\$ 3,375	\$ 3,375	\$ 3,375	\$ -	0.00%
520700 - Machine Oil & Lube	6	1,015	1,015	1,015	-	0.00%
520800 - Small Tools & Equip	7,054	5,500	500	5,500	-	0.00%
520810 - Fire Extinguishers	-	110	110	110	-	0.00%
521110 - Safety Supplies	-	325	325	325	-	0.00%
521200 - Chem - Other	-	1,700	1,700	1,700	-	0.00%
521215 - Chem - Bioxide	38,114	64,000	64,000	64,000	-	0.00%
521400 - Electrical Supplies	57	6,000	6,000	6,000	-	0.00%
521500 - Mechanical Supplies	4,059	22,000	5,000	22,000	-	0.00%
521600 - Pipeline Supplies	-	250	250	5,250	5,000	2000.00%
521700 - Building Supplies	-	100	100	100	-	0.00%
522000 - Equipment Supplies	1,638	5,350	350	5,350	-	0.00%
522200 - Road Maint Supplies	-	1,000	1,000	1,000	-	0.00%
<b>Supplies Total</b>	<b>\$ 51,159</b>	<b>\$ 110,725</b>	<b>\$ 83,725</b>	<b>\$ 115,725</b>	<b>\$ 5,000</b>	<b>4.52%</b>

## Expense Detail (continued)

Lower East Fork Interceptor	2018-19	2019-20	2019-20	2020-21	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	\$ 2,301	\$ 2,725	\$ 2,725	\$ 3,160	\$ 435	15.96%
530900 - General Liability Ins	0	-	-	-	-	0.00%
531020 - Internet Service	90	90	90	90	-	0.00%
531100 - Electric Power	41,905	49,600	49,600	45,000	(4,600)	-9.27%
531120 - Retail Water Service	515	1,200	1,200	1,200	-	0.00%
531200 - Bank Service Fees	4	5	5	5	-	0.00%
531310 - Special Studies & Rpts	66,087	45,000	45,000	45,000	-	0.00%
531800 - Rent or Lease Payment	6,300	1,000	13,000	8,000	7,000	700.00%
532200 - Equipment Maintenance	2,500	12,000	7,000	12,000	-	0.00%
532220 - Pipeline Maintenance	-	44,265	4,265	39,265	(5,000)	-11.30%
532230 - Facilities Maintenance	5,400	10,000	-	60,000	50,000	500.00%
532800 - Grounds Maintenance	28,933	20,950	5,950	21,200	250	1.19%
532900 - Electrical Sys Maint	2,340	10,850	10,850	11,470	620	5.71%
533000 - Other Services	4,507	2,100	2,100	2,100	-	0.00%
533030 - Contractual Safety Serv	-	2,200	200	2,200	-	0.00%
533100 - Administration	4,760	905	905	1,180	275	30.39%
533380 - Odor Control Crew	1,575	2,500	2,500	3,000	500	20.00%
533630 - Landfill Service Fees	-	640	640	640	-	0.00%
533680 - Conveyance System Exp	59,000	70,000	70,000	74,400	4,400	6.29%
Support Services	76,602	85,665	90,570	101,345	15,680	18.30%
<b>Services Total</b>	<b>\$ 302,820</b>	<b>\$ 361,695</b>	<b>\$ 306,600</b>	<b>\$ 431,255</b>	<b>\$ 69,560</b>	<b>19.23%</b>
<b>Escrow</b>						
550700 - Prev Maint Escrow	\$ 164,265	\$ 124,265	\$ 206,265	\$ 45,000	\$ (79,265)	-63.79%
<b>Escrow Total</b>	<b>\$ 164,265</b>	<b>\$ 124,265</b>	<b>\$ 206,265</b>	<b>\$ 45,000</b>	<b>\$ (79,265)</b>	<b>-63.79%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 1,236,000	\$ 1,259,000	\$ 1,259,000	\$ 1,261,100	\$ 2,100	0.17%
579000 - Bond Service Fees	4,510	4,510	4,510	5,230	720	15.96%
<b>Debt Service Total</b>	<b>\$ 1,240,510</b>	<b>\$ 1,263,510</b>	<b>\$ 1,263,510</b>	<b>\$ 1,266,330</b>	<b>\$ 2,820</b>	<b>0.22%</b>
<b>Grand Total</b>	<b>\$ 1,758,754</b>	<b>\$ 1,860,195</b>	<b>\$ 1,860,100</b>	<b>\$ 1,858,310</b>	<b>\$ (1,885)</b>	<b>-0.10%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has decreased by \$1,885 from the FY20 Original Budget. Major variances are explained below.

- Pipeline Supplies increased to purchase manhole frames and covers.
- Facilities Maintenance increased to replace a suction valve at the lift station.
- Support Services allocation increased due to higher Support Fund expenses.
- Preventative Maintenance Escrow decreased due to the reduction of the transfer amount.

## Muddy Creek Interceptor Revenues and Expenses

Muddy Creek Interceptor	2018-19	2019-20	2019-20	2020-21	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	\$ 465,073	\$ 475,545	\$ 476,060	\$ 476,925	\$ 1,380	0.29%
<b>Total Wastewater Sales</b>	<b>\$ 465,073</b>	<b>\$ 475,545</b>	<b>\$ 476,060</b>	<b>\$ 476,925</b>	<b>\$ 1,380</b>	<b>0.29%</b>
<b>Other</b>						
440140-Master Card Rebates	\$ 382	\$ -	\$ -	\$ -	\$ -	0.00%
459100-Tfr from Escrow Fund	-	-	-	385,000	385,000	0.00%
<b>Total Other</b>	<b>\$ 382</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 385,000</b>	<b>\$ 385,000</b>	<b>0.00%</b>
441000-Interest Income	\$ 1,241	\$ 1,235	\$ 705	\$ 705	\$ (530)	-42.91%
<b>Revenues Total</b>	<b>\$ 466,696</b>	<b>\$ 476,780</b>	<b>\$ 476,765</b>	<b>\$ 862,630</b>	<b>\$ 385,850</b>	<b>80.93%</b>
<b>Expenses Total</b>	<b>\$ (466,696)</b>	<b>\$ (476,780)</b>	<b>\$ (476,765)</b>	<b>\$ (862,630)</b>	<b>\$ (385,850)</b>	<b>80.93%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>0.00%</b>				

## Expense Detail

Muddy Creek Interceptor	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance%
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<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	39,216	47,690	47,690	47,690	-	0.00%
521400 - Electrical Supplies	176	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>\$ 39,392</b>	<b>\$ 57,760</b>	<b>\$ 57,760</b>	<b>\$ 57,760</b>	<b>\$ -</b>	<b>0.00%</b>
<b>Services</b>						
531020 - Internet Service	\$ 90	\$ 90	\$ 90	\$ 90	\$ -	0.00%
531100 - Electric Power	245	265	265	265	-	0.00%
531200 - Bank Service Fees	1	5	5	5	-	0.00%
531310 - Special Studies & Rpts	84	-	-	40,000	40,000	0.00%
531800 - Rent or Lease Payment	-	100	100	100	-	0.00%
532220 - Pipeline Maintenance	-	22,500	22,000	367,500	345,000	1533.33%
532800 - Grounds Maintenance	1,856	5,000	5,000	5,000	-	0.00%
533100 - Administration	1,040	1,205	1,205	395	(810)	-67.22%
533380 - Odor Control Crew	-	750	750	750	-	0.00%
533680 - Conveyance System Exp	4,800	5,000	5,000	9,300	4,300	86.00%
Support Services	13,979	15,595	16,080	15,605	10	0.06%
<b>Services Total</b>	<b>\$ 22,094</b>	<b>\$ 50,510</b>	<b>\$ 50,495</b>	<b>\$ 439,010</b>	<b>\$ 388,500</b>	<b>769.15%</b>

## Expense Detail (continued)

Muddy Creek Interceptor	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Escrow</b>						
550700 - Prev Maint Escrow	\$ 152,000	\$ 128,000	\$ 128,000	\$ 115,000	\$ (13,000)	-10.16%
<b>Escrow Total</b>	<b>\$ 152,000</b>	<b>\$ 128,000</b>	<b>\$ 128,000</b>	<b>\$ 115,000</b>	<b>\$ (13,000)</b>	<b>-10.16%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 248,700	\$ 235,750	\$ 235,750	\$ 246,600	\$ 10,850	4.60%
579000 - Bond Service Fees	4,510	4,760	4,760	4,260	(500)	-10.50%
<b>Debt Service Total</b>	<b>\$ 253,210</b>	<b>\$ 240,510</b>	<b>\$ 240,510</b>	<b>\$ 250,860</b>	<b>\$ 10,350</b>	<b>4.30%</b>
<b>Grand Total</b>	<b>\$ 466,696</b>	<b>\$ 476,780</b>	<b>\$ 476,765</b>	<b>\$ 862,630</b>	<b>\$ 385,850</b>	<b>80.93%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$385,850 from the FY20 Original Budget. Major variances are explained below.

- 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.
- Preventative Maintenance Escrow decreased due to the reduction of the transfer amount.

### Parker Creek Interceptor Revenues and Expenses

Parker Creek Interceptor	2018-19	2019-20	2019-20	2020-21	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	\$ 445,701	\$ 468,285	\$ 468,805	\$ 469,565	\$ 1,280	0.27%
<b>Total Wastewater Sales</b>	<b>\$ 445,701</b>	<b>\$ 468,285</b>	<b>\$ 468,805</b>	<b>\$ 469,565</b>	<b>\$ 1,280</b>	<b>0.27%</b>
<b>Other</b>						
440140-Master Card Rebates	\$ 21	\$ -	\$ -	\$ -	\$ -	0.00%
440999-Miscellaneous Revenue	4	-	-	-	-	0.00%
459100-Tfr from Escrow Fund	-	-	-	490,000	490,000	0.00%
<b>Total Other</b>	<b>\$ 26</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 490,000</b>	<b>\$ 490,000</b>	<b>0.00%</b>
441000-Interest Income	\$ 1,237	\$ 1,300	\$ 770	\$ 770	\$ (530)	-40.77%
<b>Revenues Total</b>	<b>\$ 446,964</b>	<b>\$ 469,585</b>	<b>\$ 469,575</b>	<b>\$ 960,335</b>	<b>\$ 490,750</b>	<b>104.51%</b>
<b>Expenses Total</b>	<b>\$ (446,964)</b>	<b>\$ (469,585)</b>	<b>\$ (469,575)</b>	<b>\$ (960,335)</b>	<b>\$ (490,750)</b>	<b>104.51%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>0.00%</b>				

### Expense Detail

Parker Creek Interceptor	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance%
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520800 - Small Tools & Equip	\$ -	\$ 5,500	\$ 5,500	\$ 5,500	\$ -	0.00%
521400 - Electrical Supplies	761	2,050	2,050	2,500	450	21.95%
521500 - Mechanical Supplies	-	250	250	250	-	0.00%
521600 - Pipeline Supplies	-	100	1,300	100	-	0.00%
522000 - Equipment Supplies	5,373	1,025	1,025	1,025	-	0.00%
522200 - Road Maint Supplies	-	1,800	1,800	1,800	-	0.00%
<b>Supplies Total</b>	<b>\$ 6,134</b>	<b>\$ 10,725</b>	<b>\$ 11,925</b>	<b>\$ 11,175</b>	<b>\$ 450</b>	<b>4.20%</b>
<b>Services</b>						
530900 - General Liability Ins	\$ 10	\$ 275	\$ 275	\$ 250	\$ (25)	-9.09%
531020 - Internet Service	359	270	270	270	-	0.00%
531100 - Electric Power	258	270	11,970	270	-	0.00%
531200 - Bank Service Fees	1	5	5	5	-	0.00%
531310 - Special Studies & Rpts	-	-	-	40,000	40,000	0.00%
531800 - Rent or Lease Payment	-	100	2,900	100	-	0.00%
532200 - Equipment Maintenance	-	100	100	100	-	0.00%
532220 - Pipeline Maintenance	-	24,250	5,550	474,250	450,000	1855.67%
532800 - Grounds Maintenance	-	5,000	5,000	5,000	-	0.00%
533000 - Other Services	4,465	-	-	-	-	0.00%
533100 - Administration	455	335	335	385	50	14.93%
533380 - Odor Control Crew	-	750	750	750	-	0.00%
533680 - Conveyance System Exp	17,000	17,900	17,900	22,600	4,700	26.26%
Support Services	14,097	15,575	18,565	18,770	3,195	20.51%
<b>Services Total</b>	<b>\$ 36,645</b>	<b>\$ 64,830</b>	<b>\$ 63,620</b>	<b>\$ 562,750</b>	<b>\$ 497,920</b>	<b>768.04%</b>

## Expense Detail (continued)

Parker Creek Interceptor	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Escrow</b>						
550700 - Prev Maint Escrow	\$ 183,920	\$ 183,920	\$ 183,920	\$ 170,000	\$ (13,920)	-7.57%
<b>Escrow Total</b>	<b>\$ 183,920</b>	<b>\$ 183,920</b>	<b>\$ 183,920</b>	<b>\$ 170,000</b>	<b>\$ (13,920)</b>	<b>-7.57%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 216,240	\$ 205,600	\$ 205,600	\$ 211,900	\$ 6,300	3.06%
579000 - Bond Service Fees	4,025	4,510	4,510	4,510	-	0.00%
<b>Debt Service Total</b>	<b>\$ 220,265</b>	<b>\$ 210,110</b>	<b>\$ 210,110</b>	<b>\$ 216,410</b>	<b>\$ 6,300</b>	<b>3.00%</b>
<b>Grand Total</b>	<b>\$ 446,964</b>	<b>\$ 469,585</b>	<b>\$ 469,575</b>	<b>\$ 960,335</b>	<b>\$ 490,750</b>	<b>104.51%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$490,750 from the FY20 Original Budget. Major variances are explained below.

- Pipeline Maintenance and Specials Studies & 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.
- Conveyance System Expenses increased due higher allocated costs for operation and maintenance by UEFIS.
- Support Services allocation increased due to higher Support Fund expenses.
- Preventative Maintenance Escrow decreased due to the reduction of the transfer amount.

## Sabine Creek Interceptor Revenues and Expenses

Sabine Creek Interceptor	2018-19	2019-20	2019-20	2020-21	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	\$ 309,295	\$ 305,485	\$ 307,895	\$ 301,465	\$ (4,020)	-1.32%
<b>Total Wastewater Sales</b>	<b>\$ 309,295</b>	<b>\$ 305,485</b>	<b>\$ 307,895</b>	<b>\$ 301,465</b>	<b>\$ (4,020)</b>	<b>-1.32%</b>
441000-Interest Income	\$ 844	\$ 940	\$ 380	\$ 380	\$ (560)	-59.57%
<b>Revenues Total</b>	<b>\$ 310,139</b>	<b>\$ 306,425</b>	<b>\$ 308,275</b>	<b>\$ 301,845</b>	<b>\$ (4,580)</b>	<b>-1.49%</b>
<b>Expenses Total</b>	<b>\$ (310,139)</b>	<b>\$ (306,425)</b>	<b>\$ (308,275)</b>	<b>\$ (301,845)</b>	<b>\$ 4,580</b>	<b>-1.49%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

## Expense Detail

Sabine Creek Interceptor	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<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	153	400	400	400	-	0.00%
<b>Supplies Total</b>	<b>\$ 153</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	8,807	-	4,050	-	-	0.00%
531800 - Rent or Lease Payment	84	100	100	100	-	0.00%
532220 - Pipeline Maintenance	-	22,500	17,950	22,500	-	0.00%
532800 - Grounds Maintenance	-	5,000	5,000	5,000	-	0.00%
533100 - Administration	110	265	265	195	(70)	-26.42%
533380 - Odor Control Crew	-	750	750	750	-	0.00%
533680 - Conveyance System Exp	3,800	4,000	4,000	4,200	200	5.00%
Support Services	4,859	3,945	6,295	5,035	1,090	27.63%
<b>Services Total</b>	<b>\$ 17,661</b>	<b>\$ 36,565</b>	<b>\$ 38,415</b>	<b>\$ 37,785</b>	<b>\$ 1,220</b>	<b>3.34%</b>
<b>Escrow</b>						
550700 - Prev Maint Escrow	\$ 112,500	\$ 97,500	\$ 97,500	\$ 85,000	\$ (12,500)	-12.82%
<b>Escrow Total</b>	<b>\$ 112,500</b>	<b>\$ 97,500</b>	<b>\$ 97,500</b>	<b>\$ 85,000</b>	<b>\$ (12,500)</b>	<b>-12.82%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 175,800	\$ 164,900	\$ 164,900	\$ 171,600	\$ 6,700	4.06%
579000 - Bond Service Fees	4,025	4,510	4,510	4,510	-	0.00%
<b>Debt Service Total</b>	<b>\$ 179,825</b>	<b>\$ 169,410</b>	<b>\$ 169,410</b>	<b>\$ 176,110</b>	<b>\$ 6,700</b>	<b>3.95%</b>
<b>Grand Total</b>	<b>\$ 310,139</b>	<b>\$ 306,425</b>	<b>\$ 308,275</b>	<b>\$ 301,845</b>	<b>\$ (4,580)</b>	<b>-1.49%</b>

### Major FY21 Budget Items

The department's FY21 Proposed Budget has decreased by \$4,580 from the FY20 Original Budget. Major variances are explained below.

- Support Services allocation increased due to higher Support Fund expenses.
- Preventative Maintenance Escrow decreased due to the reduction in the transfer amount.

### Buffalo Creek Interceptor Revenues and Expenses

Buffalo Creek Interceptor	2018-19	2019-20	2019-20	2020-21	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	\$ 2,870,257	\$ 2,575,190	\$ 2,580,290	\$ 3,095,020	\$ 519,830	20.19%
<b>Total Wastewater Sales</b>	<b>\$ 2,870,257</b>	<b>\$ 2,575,190</b>	<b>\$ 2,580,290</b>	<b>\$ 3,095,020</b>	<b>\$ 519,830</b>	<b>20.19%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 71	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	382	-	-	-	-	0.00%
<b>Total Other</b>	<b>\$ 453</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 10,621	\$ 10,920	\$ 4,510	\$ 4,510	\$ (6,410)	-58.70%
<b>Revenues Total</b>	<b>\$ 2,881,331</b>	<b>\$ 2,586,110</b>	<b>\$ 2,584,800</b>	<b>\$ 3,099,530</b>	<b>\$ 513,420</b>	<b>19.85%</b>
<b>Expenses Total</b>	<b>\$ (2,881,331)</b>	<b>\$ (2,586,110)</b>	<b>\$ (2,584,800)</b>	<b>\$ (3,099,530)</b>	<b>\$ (513,420)</b>	<b>19.85%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

### Expense Detail

Buffalo Creek Interceptor	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520610 - Generator Fuel	\$ 269	\$ 1,175	\$ 1,175	\$ 1,175	\$ -	0.00%
520700 - Machine Oil & Lube	11	230	230	230	-	0.00%
520800 - Small Tools & Equip	7,032	8,000	8,000	8,000	-	0.00%
520810 - Fire Extinguishers	-	110	110	110	-	0.00%
521110 - Safety Supplies	23	325	325	325	-	0.00%
521200 - Chem - Other	750	4,250	4,250	4,250	-	0.00%
521215 - Chem - Bioxide	49,390	75,300	75,300	75,300	-	0.00%
521400 - Electrical Supplies	18,236	10,500	10,500	10,500	-	0.00%
521500 - Mechanical Supplies	1,366	20,000	20,000	20,000	-	0.00%
521600 - Pipeline Supplies	276	10,000	25,000	10,000	-	0.00%
521700 - Building Supplies	-	100	100	100	-	0.00%
522000 - Equipment Supplies	-	2,025	2,025	2,025	-	0.00%
522200 - Road Maint Supplies	-	600	940	600	-	0.00%
<b>Supplies Total</b>	<b>\$ 77,354</b>	<b>\$ 132,615</b>	<b>\$ 147,955</b>	<b>\$ 132,615</b>	<b>\$ -</b>	<b>0.00%</b>

## Expense Detail (continued)

Buffalo Creek Interceptor	2018-19	2019-20	2019-20	2020-21	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	\$ 3,157	\$ 3,740	\$ 3,740	\$ 4,335	\$ 595	15.91%
530900 - General Liability Ins	528	1,940	4,315	3,775	1,835	94.59%
531020 - Internet Service	540	540	565	815	275	50.93%
531100 - Electric Power	57,409	75,300	75,300	65,000	(10,300)	-13.68%
531120 - Retail Water Service	519	720	720	720	-	0.00%
531200 - Bank Service Fees	6	60	30	60	-	0.00%
531310 - Special Studies & Rpts	65,332	45,000	45,000	45,000	-	0.00%
531800 - Rent or Lease Payment	-	-	515	3,000	3,000	0.00%
532200 - Equipment Maintenance	735	12,000	12,000	10,000	(2,000)	-16.67%
532220 - Pipeline Maintenance	-	48,750	18,385	118,750	70,000	143.59%
532230 - Facilities Maintenance	-	10,000	8,000	10,000	-	0.00%
532800 - Grounds Maintenance	16,648	26,980	25,970	26,320	(660)	-2.45%
532900 - Electrical Sys Maint	8,528	10,850	10,850	11,470	620	5.71%
533000 - Other Services	4,384	10,000	9,370	10,000	-	0.00%
533030 - Contractual Safety Serv	-	2,200	2,200	2,200	-	0.00%
533100 - Administration	4,990	120	120	1,400	1,280	1066.67%
533380 - Odor Control Crew	3,113	2,000	2,750	3,000	1,000	50.00%
533630 - Landfill Service Fees	-	2,625	2,625	2,625	-	0.00%
533680 - Conveyance System Exp	74,900	93,800	93,800	99,400	5,600	5.97%
Support Services	55,814	147,580	162,450	190,705	43,125	29.22%
<b>Services Total</b>	<b>\$ 296,602</b>	<b>\$ 494,205</b>	<b>\$ 478,705</b>	<b>\$ 608,575</b>	<b>\$ 114,370</b>	<b>23.14%</b>
<b>Escrow</b>						
550700 - Prev Maint Escrow	\$ 140,000	\$ 198,750	\$ 198,750	\$ 140,000	\$ (58,750)	-29.56%
<b>Escrow Total</b>	<b>\$ 140,000</b>	<b>\$ 198,750</b>	<b>\$ 198,750</b>	<b>\$ 140,000</b>	<b>\$ (58,750)</b>	<b>-29.56%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 2,361,000	\$ 1,750,000	\$ 1,750,000	\$ 2,207,900	\$ 457,900	26.17%
579000 - Bond Service Fees	6,375	10,540	9,390	10,440	(100)	-0.95%
<b>Debt Service Total</b>	<b>\$ 2,367,375</b>	<b>\$ 1,760,540</b>	<b>\$ 1,759,390</b>	<b>\$ 2,218,340</b>	<b>\$ 457,800</b>	<b>26.00%</b>
<b>Grand Total</b>	<b>\$ 2,881,331</b>	<b>\$ 2,586,110</b>	<b>\$ 2,584,800</b>	<b>\$ 3,099,530</b>	<b>\$ 513,420</b>	<b>19.85%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$513,420 from the FY20 Original Budget. Major variances are explained below.

- Pipeline Maintenance increased to replace an air release valve.
- Conveyance System Expenses increased due higher allocated costs for operation and maintenance by UEFIS.
- Support Services allocation increased due to higher Support Fund expenses.
- Preventative Maintenance Escrow decreased due to the reduction of the transfer amount.

## McKinney Interceptor

### Revenues and Expenses

McKinney Interceptor	2018-19	2019-20	2019-20	2020-21	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	\$ 193,488	\$ 199,995	\$ 205,120	\$ 52,175	\$ (147,820)	-73.91%
<b>Total Wastewater Sales</b>	<b>\$ 193,488</b>	<b>\$ 199,995</b>	<b>\$ 205,120</b>	<b>\$ 52,175</b>	<b>\$ (147,820)</b>	<b>-73.91%</b>
<b>Other</b>						
440140-Master Card Rebates	\$ 129	\$ -	\$ -	\$ -	\$ -	0.00%
440999-Miscellaneous Revenue	861	-	-	-	-	0.00%
459100-Tfr from Escrow Fund	-	200,000	100,000	-	(200,000)	-100.00%
<b>Total Other</b>	<b>\$ 990</b>	<b>\$ 200,000</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ (200,000)</b>	<b>-100.00%</b>
441000-Interest Income	\$ 699	\$ 680	\$ 475	\$ 475	\$ (205)	-30.15%
<b>Revenues Total</b>	<b>\$ 195,176</b>	<b>\$ 400,675</b>	<b>\$ 305,595</b>	<b>\$ 52,650</b>	<b>\$ (348,025)</b>	<b>-86.86%</b>
<b>Expenses Total</b>	<b>\$ (195,176)</b>	<b>\$ (400,675)</b>	<b>\$ (305,595)</b>	<b>\$ (52,650)</b>	<b>\$ 348,025</b>	<b>-86.86%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

### Expense Detail

McKinney Interceptor	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520800 - Small Tools & Equip	\$ -	\$ 2,500	\$ 1,000	\$ 2,500	\$ -	0.00%
521400 - Electrical Supplies	-	200	200	200	-	0.00%
521500 - Mechanical Supplies	-	135	135	150	15	11.11%
521600 - Pipeline Supplies	-	100	100	100	-	0.00%
<b>Supplies Total</b>	<b>\$ -</b>	<b>\$ 2,935</b>	<b>\$ 1,435</b>	<b>\$ 2,950</b>	<b>\$ 15</b>	<b>0.51%</b>
<b>Services</b>						
531100 - Electric Power	\$ 306	\$ 350	\$ 350	\$ 350	\$ -	0.00%
531310 - Special Studies & Rpts	-	40,000	40,000	-	(40,000)	-100.00%
531800 - Rent or Lease Payment	-	100	100	100	-	0.00%
532200 - Equipment Maintenance	-	300	300	300	-	0.00%
532220 - Pipeline Maintenance	-	222,500	124,300	22,500	(200,000)	-89.89%
532800 - Grounds Maintenance	-	5,000	2,500	5,000	-	0.00%
533100 - Administration	65	1,265	1,265	410	(855)	-67.59%
533380 - Odor Control Crew	-	750	750	750	-	0.00%
Support Services	425	1,475	8,595	5,290	3,815	258.64%
<b>Services Total</b>	<b>\$ 796</b>	<b>\$ 271,740</b>	<b>\$ 178,160</b>	<b>\$ 34,700</b>	<b>\$ (237,040)</b>	<b>-87.23%</b>
<b>Escrow</b>						
550700 - Prev Maint Escrow	\$ 194,380	\$ 126,000	\$ 126,000	\$ 15,000	\$ (111,000)	-88.10%
<b>Escrow Total</b>	<b>\$ 194,380</b>	<b>\$ 126,000</b>	<b>\$ 126,000</b>	<b>\$ 15,000</b>	<b>\$ (111,000)</b>	<b>-88.10%</b>
<b>Grand Total</b>	<b>\$ 195,176</b>	<b>\$ 400,675</b>	<b>\$ 305,595</b>	<b>\$ 52,650</b>	<b>\$ (348,025)</b>	<b>-86.86%</b>

### Major FY21 Budget Items

The department's FY21 Proposed Budget has decreased by \$348,025 from the FY20 Original Budget. Major variances are explained below.

- Pipeline Maintenance and Special Studies & Reports decreased due to a lower need in FY21. The previous year included the pipeline inspection which generally occurs every 10 years.
- Support Services allocation increased due to higher Support Fund expenses.
- Preventative Maintenance Escrow decreased due to a reduction of the transfer amount.

## Mustang Creek Interceptor Revenues and Expenses

Mustang Creek Interceptor	2018-19	2019-20	2019-20	2020-21	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	\$ 1,661,652	\$ 1,509,055	\$ 1,514,640	\$ 2,312,485	\$ 803,430	53.24%
<b>Total Wastewater Sales</b>	<b>\$ 1,661,652</b>	<b>\$ 1,509,055</b>	<b>\$ 1,514,640</b>	<b>\$ 2,312,485</b>	<b>\$ 803,430</b>	<b>53.24%</b>
<b>Other</b>						
441000-Interest Income	\$ 6,340	\$ 7,320	\$ 1,695	\$ 1,695	\$ (5,625)	-76.84%
<b>Revenues Total</b>	<b>\$ 1,667,992</b>	<b>\$ 1,516,375</b>	<b>\$ 1,516,335</b>	<b>\$ 2,314,180</b>	<b>\$ 797,805</b>	<b>52.61%</b>
<b>Expenses Total</b>	<b>\$ (1,667,992)</b>	<b>\$ (1,516,375)</b>	<b>\$ (1,516,335)</b>	<b>\$ (2,314,180)</b>	<b>\$ (797,805)</b>	<b>52.61%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

## Expense Detail

Mustang Creek Interceptor	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520610 - Generator Fuel	\$ -	\$ -	\$ -	\$ 1,200	\$ 1,200	0.00%
520700 - Machine Oil & Lube	-	-	-	230	230	0.00%
520800 - Small Tools & Equip	1,500	5,500	5,500	5,500	-	0.00%
520810 - Fire Extinguishers	-	-	-	110	110	0.00%
521110 - Safety Supplies	-	-	-	325	325	0.00%
521200 - Chem - Other	-	-	-	10,000	10,000	0.00%
521400 - Electrical Supplies	-	-	-	5,000	5,000	0.00%
521500 - Mechanical Supplies	-	100	100	5,000	4,900	4900.00%
521600 - Pipeline Supplies	-	550	2,550	550	-	0.00%
521700 - Building Supplies	-	-	-	100	100	0.00%
522000 - Equipment Supplies	-	-	-	2,000	2,000	0.00%
522200 - Road Maint Supplies	-	-	-	750	750	0.00%
<b>Supplies Total</b>	<b>\$ 1,500</b>	<b>\$ 6,150</b>	<b>\$ 8,150</b>	<b>\$ 30,765</b>	<b>\$ 24,615</b>	<b>400.24%</b>
<b>Services</b>						
530900 - General Liability Ins	\$ 143	\$ 3,880	\$ 3,880	\$ 3,525	\$ (355)	-9.15%
531100 - Electric Power	-	-	-	50,000	50,000	0.00%
531120 - Retail Water Service	-	-	-	750	750	0.00%
531200 - Bank Service Fees	22	60	45	60	-	0.00%
531310 - Special Studies & Rpts	71	-	-	-	-	0.00%
531800 - Rent or Lease Payment	-	100	100	500	400	400.00%
532200 - Equipment Maintenance	-	-	-	10,000	10,000	0.00%
532220 - Pipeline Maintenance	-	22,500	20,500	22,500	-	0.00%
532230 - Facilities Maintenance	-	-	-	10,000	10,000	0.00%
532800 - Grounds Maintenance	3,000	8,000	8,000	10,400	2,400	30.00%
532900 - Electrical Sys Maint	-	-	-	10,000	10,000	0.00%
533000 - Other Services	-	-	-	500	500	0.00%
533030 - Contractual Safety Serv	-	-	-	2,200	2,200	0.00%
533100 - Administration	435	165	165	235	70	42.42%
533380 - Odor Control Crew	57	1,500	1,500	5,000	3,500	233.33%

## Expense Detail (continued)

Mustang Creek Interceptor	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services (continued)</b>						
533630 - Landfill Service Fees	\$ -	\$ -	\$ -	\$ 1,750	\$ 1,750	0.00%
533680 - Conveyance System Exp	7,500	7,900	7,900	66,400	58,500	740.51%
Support Services	2,764	46,080	46,055	74,595	28,515	61.88%
<b>Services Total</b>	<b>\$ 13,992</b>	<b>\$ 90,185</b>	<b>\$ 88,145</b>	<b>\$ 268,415</b>	<b>\$ 178,230</b>	<b>197.63%</b>
<b>Escrow</b>						
550700 - Prev Maint Escrow	\$ 112,230	\$ 67,230	\$ 67,230	\$ 65,000	\$ (2,230)	-3.32%
<b>Escrow Total</b>	<b>\$ 112,230</b>	<b>\$ 67,230</b>	<b>\$ 67,230</b>	<b>\$ 65,000</b>	<b>\$ (2,230)</b>	<b>-3.32%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 1,536,000	\$ 1,347,000	\$ 1,347,000	\$ 1,942,300	\$ 595,300	44.19%
579000 - Bond Service Fees	4,270	5,810	5,810	7,700	1,890	32.53%
<b>Debt Service Total</b>	<b>\$ 1,540,270</b>	<b>\$ 1,352,810</b>	<b>\$ 1,352,810</b>	<b>\$ 1,950,000</b>	<b>\$ 597,190</b>	<b>44.14%</b>
<b>Grand Total</b>	<b>\$ 1,667,992</b>	<b>\$ 1,516,375</b>	<b>\$ 1,516,335</b>	<b>\$ 2,314,180</b>	<b>\$ 797,805</b>	<b>52.61%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$797,805 from the FY20 Original Budget. Major variances are explained below.

- Supplies and Services increased overall due to the new lift station that will be placed in service in FY21.
- Support Services allocation increased due to higher Support Fund expenses.
- Debt Service increased due to a new bond issue scheduled for FY21.

## Parker Creek Parallel Interceptor Revenues and Expenses

Parker Creek Parallel Interceptor	2018-19	2019-20	2019-20	2020-21	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	\$ 115,079	\$ 111,970	\$ 112,105	\$ 116,380	\$ 4,410	3.94%
<b>Total Wastewater Sales</b>	<b>\$ 115,079</b>	<b>\$ 111,970</b>	<b>\$ 112,105</b>	<b>\$ 116,380</b>	<b>\$ 4,410</b>	<b>3.94%</b>
441000-Interest Income	\$ 290	\$ 330	\$ 195	\$ 195	\$ (135)	-40.91%
<b>Revenues Total</b>	<b>\$ 115,370</b>	<b>\$ 112,300</b>	<b>\$ 112,300</b>	<b>\$ 116,575</b>	<b>\$ 4,275</b>	<b>3.81%</b>
<b>Expenses Total</b>	<b>\$ (115,370)</b>	<b>\$ (112,300)</b>	<b>\$ (112,300)</b>	<b>\$ (116,575)</b>	<b>\$ (4,275)</b>	<b>3.81%</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	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520800 - Small Tools & Equip	\$ -	\$ 2,500	\$ 2,500	\$ 2,500	\$ -	0.00%
521500 - Mechanical Supplies	-	-	100	-	-	0.00%
521600 - Pipeline Supplies	-	500	500	500	-	0.00%
522000 - Equipment Supplies	-	1,025	925	1,025	-	0.00%
<b>Supplies Total</b>	<b>\$ -</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	\$ 318	\$ 375	\$ 375	\$ 440	\$ 65	17.33%
531020 - Internet Service	195	90	90	90	-	0.00%
531200 - Bank Service Fees	1	5	5	5	-	0.00%
531800 - Rent or Lease Payment	-	100	100	100	-	0.00%
532800 - Grounds Maintenance	-	2,500	2,500	2,500	-	0.00%
533100 - Administration	70	175	175	75	(100)	-57.14%
533380 - Odor Control Crew	-	1,000	1,000	1,000	-	0.00%
533680 - Conveyance System Exp	5,500	5,800	5,800	6,000	200	3.45%
Support Services	275	2,020	2,020	5,330	3,310	163.86%
<b>Services Total</b>	<b>\$ 6,360</b>	<b>\$ 12,065</b>	<b>\$ 12,065</b>	<b>\$ 15,540</b>	<b>\$ 3,475</b>	<b>28.80%</b>
<b>Escrow</b>						
550660 - Rsv for Maintenance	\$ 30,000	\$ -	\$ -	\$ -	\$ -	0.00%
550700 - Prev Maint Escrow	8,500	27,500	27,500	-	(27,500)	-100.00%
<b>Escrow Total</b>	<b>\$ 38,500</b>	<b>\$ 27,500</b>	<b>\$ 27,500</b>	<b>\$ -</b>	<b>\$ (27,500)</b>	<b>-100.00%</b>
<b>Debt Service</b>						
571000 - Tsf to I & S	\$ 66,000	\$ 64,200	\$ 64,200	\$ 92,500	\$ 28,300	44.08%
579000 - Bond Service Fees	4,510	4,510	4,510	4,510	-	0.00%
<b>Debt Service Total</b>	<b>\$ 70,510</b>	<b>\$ 68,710</b>	<b>\$ 68,710</b>	<b>\$ 97,010</b>	<b>\$ 28,300</b>	<b>41.19%</b>
<b>Grand Total</b>	<b>\$ 115,370</b>	<b>\$ 112,300</b>	<b>\$ 112,300</b>	<b>\$ 116,575</b>	<b>\$ 4,275</b>	<b>3.81%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$4,275 from the FY20 Original Budget. Major variances are explained below.

- Support Services allocation increased due to higher Support Fund expenses.
- Preventative Maintenance Escrow decreased due to a reduction in the transfer amount.
- Debt Service increased due to a higher payment than the prior year. The prior year benefited from excess construction funds being transferred for a portion of the debt service.

## 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.

### FY2021 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	FY20	FY21	Difference
Administrative Technician	0.60	0.60	-
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	2018-19	2019-20	2019-20	2020-21	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	\$ 910,939	\$ 1,189,445	\$ 1,183,305	\$ 1,195,080	\$ 5,635	0.47%
<b>Total Wastewater Sales</b>	<b>\$ 910,939</b>	<b>\$ 1,189,445</b>	<b>\$ 1,183,305</b>	<b>\$ 1,195,080</b>	<b>\$ 5,635</b>	<b>0.47%</b>
<b>Other</b>						
440040-Recov of Prior Year Exp	\$ 2,014	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	214	-	-	-	-	0.00%
440999-Misc Revenue	16	-	-	-	-	0.00%
<b>Total Other</b>	<b>\$ 2,245</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
441000-Interest Income	\$ 4,833	\$ 5,150	\$ 2,740	\$ 2,740	\$ (2,410)	-46.80%
<b>Revenues Total</b>	<b>\$ 918,016</b>	<b>\$ 1,194,595</b>	<b>\$ 1,186,045</b>	<b>\$ 1,197,820</b>	<b>\$ 3,225</b>	<b>0.27%</b>
<b>Expenses Total</b>	<b>\$ (918,016)</b>	<b>\$ (1,194,595)</b>	<b>\$ (1,186,045)</b>	<b>\$ (1,197,820)</b>	<b>\$ (3,225)</b>	<b>0.27%</b>
<b>Net Revenues</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>

## Expense Detail

Wastewater Pretreatment Department	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 443,238	\$ 581,275	\$ 574,715	\$ 561,510	\$ (19,765)	-3.40%
511060 - Overtime	921	3,000	3,000	2,000	(1,000)	-33.33%
512000 - Social Security	32,540	44,465	42,080	42,960	(1,505)	-3.38%
513000 - Workers' Comp Ins	19,567	12,755	12,250	10,685	(2,070)	-16.23%
513020 - Hospitalization Ins	92,955	101,335	102,480	105,740	4,405	4.35%
513040 - Dental Ins	3,806	4,715	4,520	4,640	(75)	-1.59%
513060 - Life Ins	1,031	1,295	1,405	1,495	200	15.44%
514000 - Retirement	58,185	62,655	62,655	58,075	(4,580)	-7.31%
514010 - Retiree - Insurance	11,870	10,930	10,930	10,130	(800)	-7.32%
514020 - Comp Absences-vacation	6,600	5,200	5,200	1,430	(3,770)	-72.50%

## Expense Detail (continued)

Wastewater Pretreatment Department	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel (continued)</b>						
514030 - Comp Absences-sick	\$ 1,565	\$ 3,590	\$ 3,590	\$ -	(3,590)	-100.00%
515000 - Cell Phone Stipend	3,192	3,625	3,625	3,625	-	0.00%
<b>Personnel Total</b>	<b>\$ 675,471</b>	<b>\$ 834,840</b>	<b>\$ 826,450</b>	<b>\$ 802,290</b>	<b>\$ (32,550)</b>	<b>-3.90%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 2,441	\$ 1,815	\$ 1,815	\$ 1,815	-	0.00%
520110 - Computer Supplies	10,051	14,305	14,305	32,000	17,695	123.70%
520300 - Clothing Supplies	4,830	5,195	5,195	5,195	-	0.00%
520600 - Fuel, Oil and Lube	3,324	6,840	6,840	6,840	-	0.00%
520630 - Toll Fees	81	450	450	450	-	0.00%
520800 - Small Tools & Equip	9,443	10,000	10,000	8,000	(2,000)	-20.00%
521000 - Laboratory Supplies	942	2,800	2,800	3,000	200	7.14%
521110 - Safety Supplies	566	1,530	1,530	1,530	-	0.00%
521900 - Vehicle Supplies	90	2,100	2,100	2,100	-	0.00%
521910 - Tires and Tubes	228	2,100	2,100	2,100	-	0.00%
522000 - Equipment Supplies	3,938	8,785	8,785	8,785	-	0.00%
<b>Supplies Total</b>	<b>\$ 35,934</b>	<b>\$ 55,920</b>	<b>\$ 55,920</b>	<b>\$ 71,815</b>	<b>\$ 15,895</b>	<b>28.42%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 2,478	\$ 2,755	\$ 2,755	\$ 2,330	(425)	-15.43%
530900 - General Liability Ins	366	475	475	450	(25)	-5.26%
531020 - Internet Service	3,295	2,880	2,880	2,880	-	0.00%
531310 - Special Studies & Rpts	-	8,000	8,000	-	(8,000)	-100.00%
531400 - Legal Service	-	20,000	20,000	15,000	(5,000)	-25.00%
531900 - Travel and Training	8,952	9,020	9,020	3,700	(5,320)	-58.98%
532000 - Mem & Subscriptions	8,350	8,235	8,235	8,235	-	0.00%
532100 - Vehicle Maint	31	2,400	2,400	2,400	-	0.00%
532110 - Veh Maint by Solid Waste	547	1,200	1,200	1,200	-	0.00%
532200 - Equipment Maintenance	-	2,000	2,000	2,000	-	0.00%
532300 - Postage	-	500	500	500	-	0.00%
532850 - Building Maintenance	-	-	-	20,000	20,000	0.00%
533000 - Other Services	-	9,000	9,000	-	(9,000)	-100.00%
533100 - Administration	11,055	2,220	2,220	2,130	(90)	-4.05%
533500 - Lab Svc - Contract	11,508	26,025	26,025	26,025	-	0.00%
Support Services	160,030	209,125	208,965	236,865	27,740	13.26%
<b>Services Total</b>	<b>\$ 206,611</b>	<b>\$ 303,835</b>	<b>\$ 303,675</b>	<b>\$ 323,715</b>	<b>\$ 19,880</b>	<b>6.54%</b>
<b>Grand Total</b>	<b>\$ 918,016</b>	<b>\$ 1,194,595</b>	<b>\$ 1,186,045</b>	<b>\$ 1,197,820</b>	<b>\$ 3,225</b>	<b>0.27%</b>

### Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$3,225 from the FY20 Original Budget. Major variances are explained below.

- Personnel decreased due to staff retirements and shifting of positions.
- Computer Supplies increased to replace and purchase computer supplies for field staff.
- Building Maintenance increased to replace the AC unit of the Lab Building.
- Support Services allocation increased due to higher Support Fund expenses.

# REGIONAL SOLID WASTE SYSTEM

# FY21 FAST BUDGET FACTS

SOLID WASTE SERVICES

## COMMUNITIES SERVED

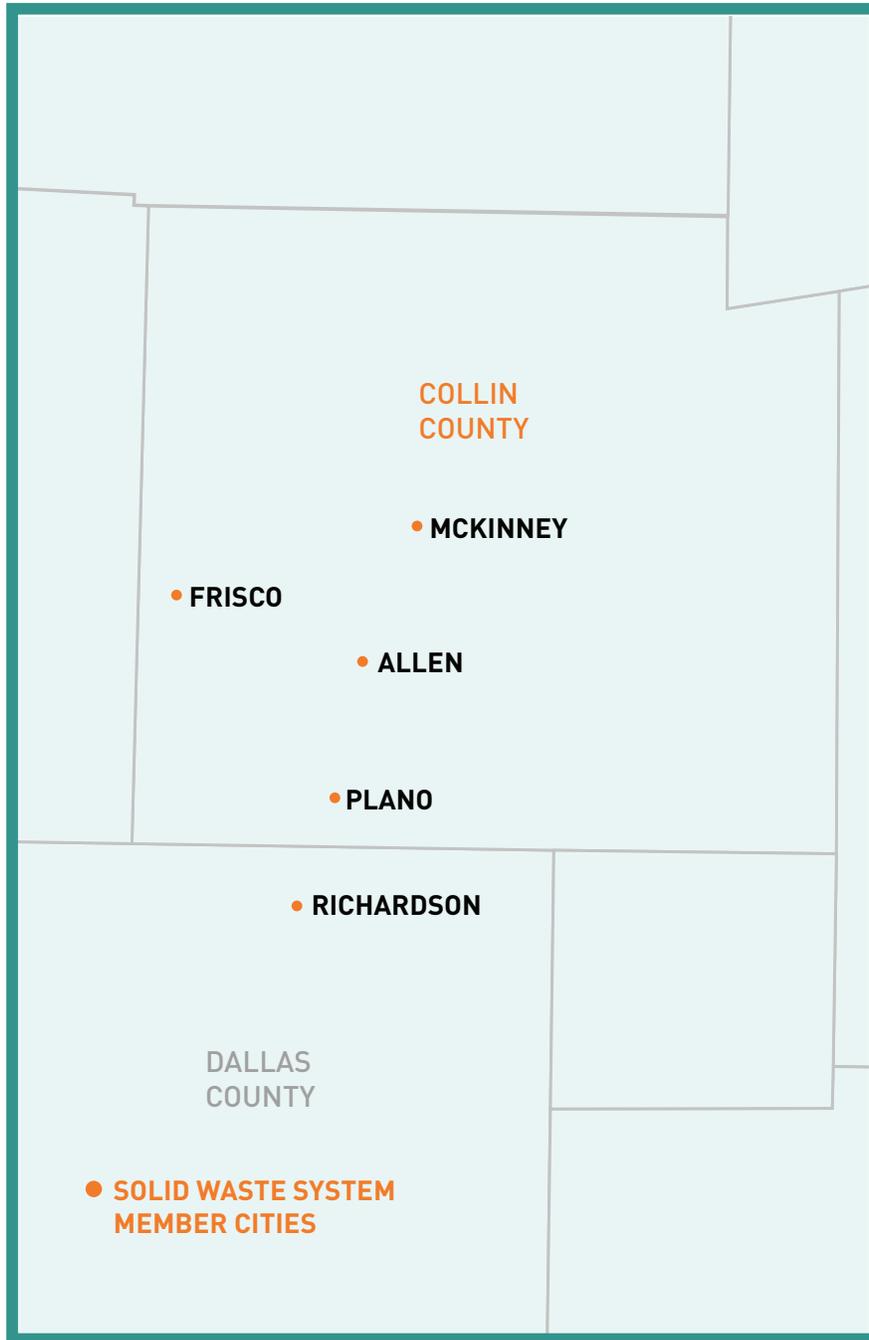
**114**  
EMPLOYEES

**\$12.6**  
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

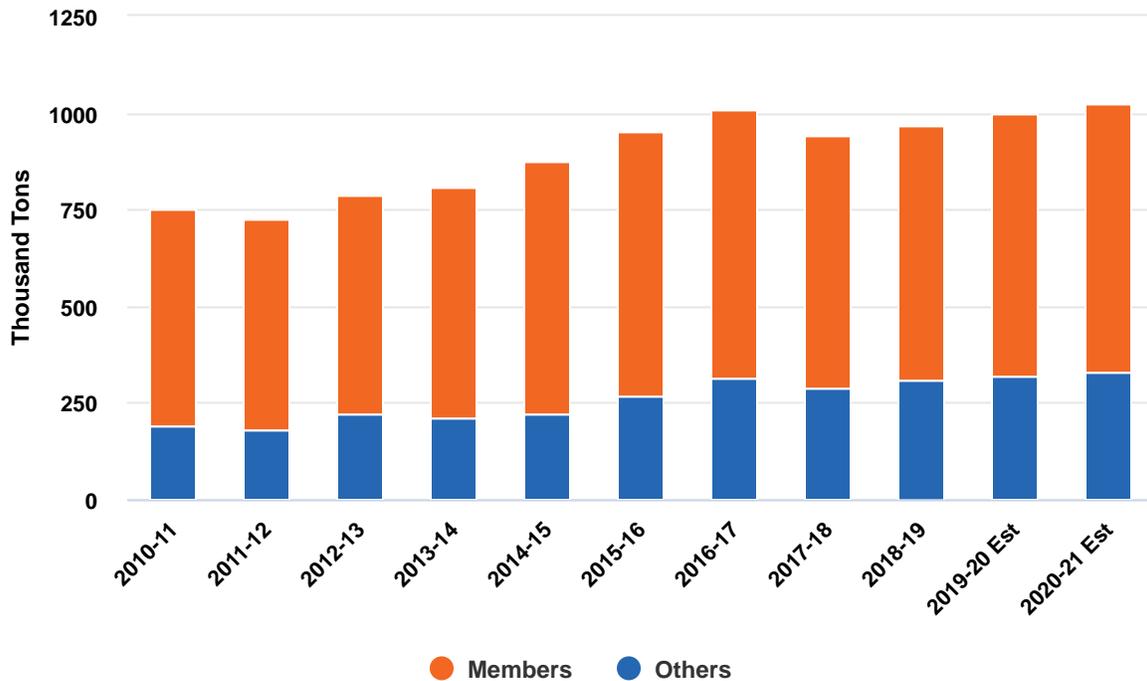


## Regional Solid Waste System

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 State and Federal 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 1,010,166 tons of waste in 2019, and based on projections, over 1,000,000 tons will be processed again in FY20 and FY21. The RSWS has a total of 114 employees.

### SOLID WASTE SYSTEM TONNAGE



## Collection and Transport

City or private route trucks collect solid waste from residents and businesses and deliver to one of three transfer stations (two in Plano and one in Richardson). District operators load the 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. Solid waste is unloaded from the transfer trucks, 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.



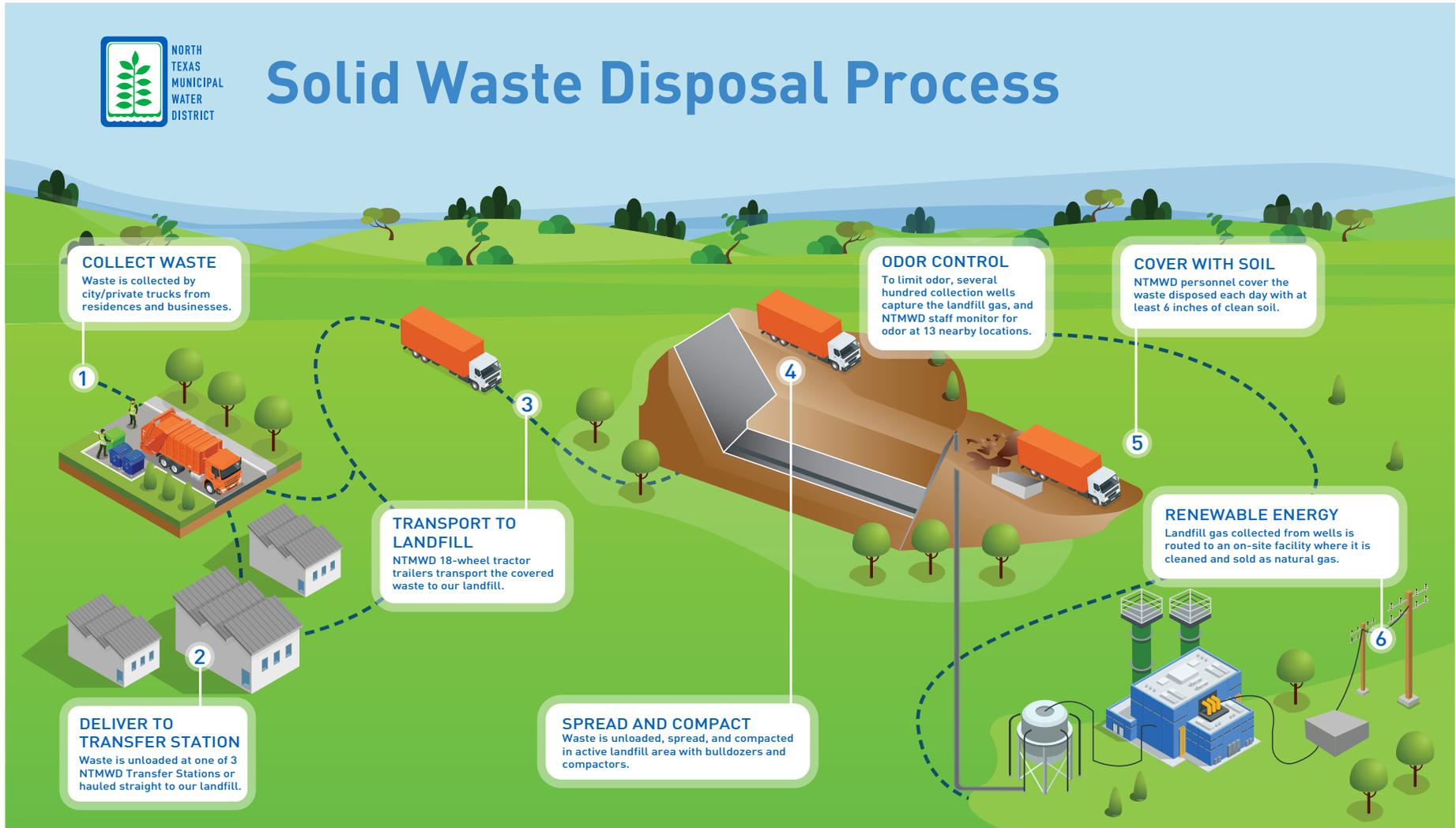
The Morrow Renewable High BTU Gas Plant is a state-of-the-art facility that captures landfill gas (methane and carbon dioxide) and converts it to clean, renewable natural gas. The process is currently offsetting CO<sub>2</sub> emissions by the equivalent of nearly 62 MG of consumed gasoline each year. 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.



# Solid Waste Disposal Process



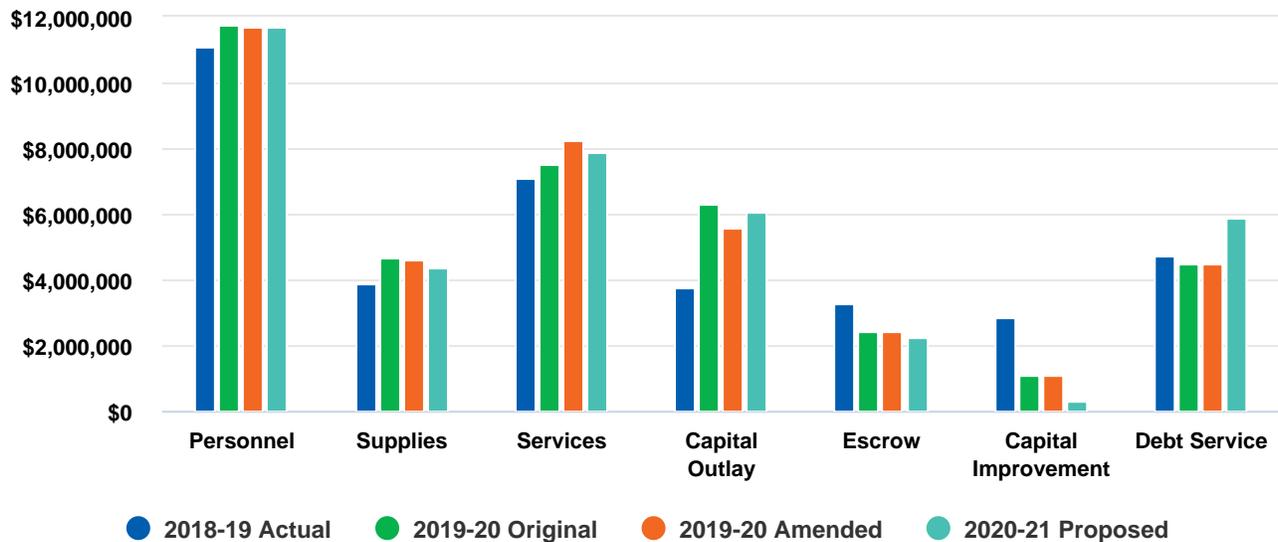
### Revenues and Expenditures

Category	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Revenues</b>	<b>\$ 36,718,321</b>	<b>\$ 38,289,625</b>	<b>\$ 38,133,395</b>	<b>\$ 38,444,515</b>	<b>\$ 154,890</b>	<b>0.40%</b>
<b>Expenditures</b>						
Personnel	\$ 11,067,479	\$ 11,775,580	\$ 11,705,340	\$ 11,724,615	(50,965)	-0.43%
Supplies	3,880,691	4,680,745	4,594,385	4,356,915	(323,830)	-6.92%
Services	7,119,083	7,521,450	8,249,415	7,878,035	356,585	4.74%
Capital Outlay	3,746,942	6,293,900	5,566,410	6,065,600	(228,300)	-3.63%
Escrow	3,299,940	2,445,000	2,445,000	2,261,000	(184,000)	-7.53%
Debt Service	7,604,185	5,572,950	5,572,845	6,158,350	585,400	10.50%
<b>Total</b>	<b>\$ 36,718,321</b>	<b>\$ 38,289,625</b>	<b>\$ 38,133,395</b>	<b>\$ 38,444,515</b>	<b>\$ 154,890</b>	<b>0.40%</b>

The FY20 Amended Budget for expenditures and revenues totals \$38,133,395, which is \$156,230 or 0.41% less than the FY20 Original Budget of \$38,289,625. For the FY21 Annual Budget, the total RSWS expenditures are \$38,444,515, which is \$154,890 or 0.40% greater than the FY20 Original Budget. Major budget variances are explained below:

- Increase in Debt Service of \$585,400 related to increase in debt transfers to I&S as a result of the scheduled \$12.7 million revenue bond sale in FY21. This is offset by a decrease in transfers to the Capital Improvement Fund.
- Increase in Services of \$356,585 due to allocation of Support Fund expenses, Equipment Maintenance increases for repairs to tampers at all 3 transfer stations and an increase in the price and demand of Composting Services at 121 RDF.
- Decrease in Capital Outlay of \$(228,300) as a result of decrease in landfill development costs due to no new cell construction this year. This is offset by the replacement of several vehicles.
- Decrease in Supplies of \$(323,830) based on reduction in fuel bidding prices and lower chemical costs for the truck wash at the 121 RDF.

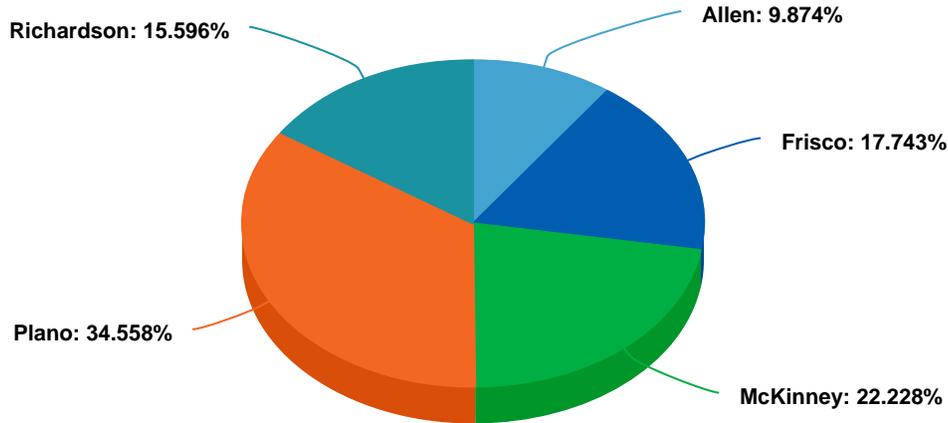
### RSWS EXPENDITURES



**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 679,734 tons of waste will be processed in FY20 and 694,145 tons in FY21.

**2020-21 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 FY21 are \$26,551,360 after deducting interest and other revenue in the estimated amount of \$11,893,155 from the proposed budget of \$38,444,515.

	2018-19	2019-20	2019-20	2020-21
Cities	Actuals	Original Budget	Amended Budget	Proposed Budget
Allen	\$ 2,393,168	\$ 2,712,236	\$ 2,604,915	\$ 2,621,801
Frisco	4,175,333	4,766,610	4,590,650	4,711,002
McKinney	5,386,993	6,162,661	5,835,174	5,901,777
Plano	8,444,388	9,040,023	9,161,529	9,175,710
Richardson	3,829,721	3,995,220	4,157,072	4,141,070
<b>Total</b>	<b>\$ 24,229,604</b>	<b>\$ 26,676,750</b>	<b>\$ 26,349,340</b>	<b>\$ 26,551,360</b>
<b>Tonnage</b>	<b>660,542</b>	<b>697,430</b>	<b>679,734</b>	<b>694,145</b>
<b>Cost per ton</b>	<b>\$ 36.68</b>	<b>\$ 38.25</b>	<b>\$ 38.76</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  
9/30/20**

**Projected Balance:**

08/31/20	Fund Balance	\$ 7,987,977
	Remaining Payments to be made on Authorized Projects	(1,275,078)
	Remaining Budgeted Transfers from Operating Fund	90,334
	Expected Projects	(32,000)
09/30/20	Expected Fund Balance	<u>6,771,234</u>
	Balance Transfers from Operating Fund	297,900
	Expected Projects	54,000
	Interest Income	81,255
09/30/21	Balance Available for Future Projects	<u><u>\$ 7,204,389</u></u>

**Reserve for Maintenance Fund  
9/30/20**

**Projected Balance:**

09/30/20	Expected Fund Balance	\$ 1,274,589
	Balance Transfers from Operating Fund	10,000
	Expected Projects	-
	Interest Income	15,295
09/30/21	Balance Available for Future Projects	<u><u>\$ 1,299,884</u></u>

**Equipment Replacement Fund  
9/30/20**

**Projected Balance:**

09/30/20	Expected Fund Balance	\$ 11,157,719
	Balance Transfers from Operating Fund	2,251,000
	Expected Projects	(644,000)
	Interest Income	133,893
09/30/21	Balance Available for Future Projects	<u><u>\$ 12,898,612</u></u>

## 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, averaged over 365 days per year, with a daily maximum of 1,500 tons per day.

### FY2021 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 and Vehicle Maintenance
- Vehicle Equipment

**Position Summary**

<b>Lookout Transfer Station</b>			
<b>Full-Time Positions</b>	<b>FY20</b>	<b>FY21</b>	<b>Difference</b>
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	8.00	9.00	1.00
<b>Total Full-Time Positions</b>	<b>14.99</b>	<b>15.99</b>	<b>1.00</b>

**Expense Detail**

<b>Lookout Transfer Station</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2019-20</b>	<b>2020-21</b>	<b>Variance \$</b>	<b>Variance %</b>
<b>Expense Category</b>	<b>Actual</b>	<b>Original Budget</b>	<b>Amended Budget</b>	<b>Proposed Budget</b>	<b>To Original Budget</b>	<b>To Original Budget</b>
<b>Personnel</b>						
510000 - Wages	\$ 831,846	\$ 890,875	\$ 855,215	\$ 882,810	\$ (8,065)	-0.91%
511060 - Overtime	351,995	337,000	337,000	337,000	-	0.00%
512000 - Social Security	87,952	68,155	70,020	67,540	(615)	-0.90%
513000 - Workers' Comp Ins	57,937	45,290	44,105	37,520	(7,770)	-17.16%
513020 - Hospitalization Ins	183,269	181,315	167,710	173,895	(7,420)	-4.09%
513040 - Dental Ins	10,894	11,060	9,030	8,825	(2,235)	-20.21%
513060 - Life Ins	2,006	2,060	2,135	2,420	360	17.48%
514000 - Retirement	153,185	137,870	137,870	130,245	(7,625)	-5.53%
514010 - Retiree - Insurance	31,250	24,055	24,055	22,725	(1,330)	-5.53%
514020 - Comp Absences-vacation	5,480	7,950	7,950	6,335	(1,615)	-20.31%
514030 - Comp Absences-sick	31,365	26,725	26,725	7,135	(19,590)	-73.30%
515000 - Cell Phone Stipend	3,539	3,740	3,740	3,355	(385)	-10.29%
<b>Personnel Total</b>	<b>\$ 1,750,718</b>	<b>\$ 1,736,095</b>	<b>\$ 1,685,555</b>	<b>\$ 1,679,805</b>	<b>\$ (56,290)</b>	<b>-3.24%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 1,695	\$ 1,400	\$ 1,400	\$ 1,400	\$ -	0.00%
520110 - Computer Supplies	7,512	8,500	8,500	18,900	10,400	122.35%
520300 - Clothing Supplies	8,084	10,080	6,080	5,730	(4,350)	-43.15%
520600 - Fuel, Oil and Lube	330,415	335,395	315,395	292,140	(43,255)	-12.90%
520630 - Toll Fees	17,824	13,200	23,200	22,800	9,600	72.73%
520800 - Small Tools & Equip	1,957	600	600	600	-	0.00%
520810 - Fire Extinguishers	2,957	2,000	2,000	3,600	1,600	80.00%
520900 - Janitorial Supplies	1,515	2,000	2,000	2,000	-	0.00%
521100 - Medical Supplies	67	400	400	400	-	0.00%
521110 - Safety Supplies	6,682	8,780	7,780	10,185	1,405	16.00%
521200 - Chem - Other	5,514	16,800	16,800	16,800	-	0.00%
521300 - Botanical Supplies	4,173	-	-	-	-	0.00%
521400 - Electrical Supplies	870	2,500	2,500	2,500	-	0.00%
521500 - Mechanical Supplies	17,550	8,000	18,000	12,000	4,000	50.00%
521700 - Building Supplies	402	500	500	500	-	0.00%

## Expense Detail (continued)

Lookout Transfer Station	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies (continued)</b>						
521900 - Vehicle Supplies	\$ 156,816	\$ 130,000	\$ 130,000	\$ 130,000	\$ -	0.00%
521910 - Tires and Tubes	61,597	111,200	111,200	71,100	(40,100)	-36.06%
522000 - Equipment Supplies	29	-	-	-	-	0.00%
523000 - Other Supplies	6,174	5,000	5,000	5,000	-	0.00%
<b>Supplies Total</b>	<b>\$ 631,834</b>	<b>\$ 656,355</b>	<b>\$ 651,355</b>	<b>\$ 595,655</b>	<b>\$ (60,700)</b>	<b>-9.25%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 41,323	\$ 40,905	\$ 40,905	\$ 40,260	\$ (645)	-1.58%
530400 - Fire & Exten Cov Ins	12,812	15,185	15,185	17,590	2,405	15.84%
530900 - General Liability Ins	2,117	2,465	2,465	1,735	(730)	-29.61%
531000 - Telephone	3,975	2,400	2,550	600	(1,800)	-75.00%
531020 - Internet Service	2,994	2,700	2,750	3,600	900	33.33%
531100 - Electric Power	12,042	30,000	24,000	24,000	(6,000)	-20.00%
531120 - Retail Water Service	9,823	6,000	6,000	5,100	(900)	-15.00%
531300 - Engin/Consultant Svc	6,000	2,000	2,000	6,000	4,000	200.00%
531310 - Special Studies & Rpts	-	5,000	5,000	5,000	-	0.00%
531400 - Legal Service	-	1,000	3,000	1,000	-	0.00%
531700 - Advertising	118	125	125	125	-	0.00%
531800 - Rent or Lease Payment	2,477	2,000	2,000	2,000	-	0.00%
531900 - Travel and Training	7,359	18,475	18,475	9,425	(9,050)	-48.99%
532000 - Mem & Subscriptions	539	1,055	1,055	1,600	545	51.66%
532100 - Vehicle Maint	95,192	70,000	70,000	65,000	(5,000)	-7.14%
532200 - Equipment Maintenance	37,845	5,000	82,000	29,000	24,000	480.00%
532300 - Postage	10	60	60	60	-	0.00%
532400 - Office Equip Maint	3,300	5,300	7,800	8,300	3,000	56.60%
532800 - Grounds Maintenance	11,635	13,080	13,080	13,080	-	0.00%
532850 - Building Maintenance	11,203	-	-	-	-	0.00%
533000 - Other Services	28,096	11,400	11,400	11,400	-	0.00%
533020 - Contract Labor	106,056	81,540	81,540	85,540	4,000	4.91%
533100 - Administration	41,280	7,910	7,910	6,620	(1,290)	-16.31%
533900 - Permits, Ins, & Lic Fees	1,236	1,000	1,015	1,060	60	6.00%
534000 - Uninsured losses	(21)	-	-	-	-	0.00%
Support Services	176,995	235,280	251,680	323,415	88,135	37.46%
<b>Services Total</b>	<b>\$ 614,406</b>	<b>\$ 559,880</b>	<b>\$ 651,995</b>	<b>\$ 661,510</b>	<b>\$ 101,630</b>	<b>18.15%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 476,310	\$ 160,000	\$ 149,600	\$ 160,000	\$ -	0.00%
<b>Capital Outlay Total</b>	<b>\$ 476,310</b>	<b>\$ 160,000</b>	<b>\$ 149,600</b>	<b>\$ 160,000</b>	<b>\$ -</b>	<b>0.00%</b>
<b>Grand Total</b>	<b>\$ 3,473,267</b>	<b>\$ 3,112,330</b>	<b>\$ 3,138,505</b>	<b>\$ 3,096,970</b>	<b>\$ (15,360)</b>	<b>-0.49%</b>

### Major FY21 Budget Items

The department's FY21 Proposed Budget has decreased by \$15,360 from the FY20 Original Budget. Major variances are explained below.

- Personnel decreased due to lower retirement funding requirements along with a reduction in compensated absences and health insurance.
- Fuel, Oil and Lube decreased as a result of lower fuel bid pricing for FY21.
- Equipment Maintenance increased for repairs to the tampers.
- Tires and Tubes decreased due to minimal replacements needed in FY21.
- Computer Supplies increased for the purchase of new cameras for the tipping floor.

## 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 recycling. The site is permitted to accept 770 tons per day, averaged over 365 days per year.

### FY2021 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 and Vehicle Maintenance
- Vehicle Equipment

**Position Summary**

**Parkway Transfer Station**

Full-Time Positions	FY20	FY21	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	11.00	10.00	(1.00)
<b>Total Full-Time Positions</b>	<b>17.98</b>	<b>16.98</b>	<b>(1.00)</b>

**Expense Detail**

Parkway Transfer Station	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 820,684	\$ 970,770	\$ 968,100	\$ 941,010	\$ (29,760)	-3.07%
511060 - Overtime	275,101	270,000	270,000	270,000	-	0.00%
512000 - Social Security	81,281	74,275	76,410	71,995	(2,280)	-3.07%
513000 - Workers' Comp Ins	52,197	49,765	50,830	40,950	(8,815)	-17.71%
513020 - Hospitalization Ins	156,411	173,295	202,735	217,230	43,935	25.35%
513040 - Dental Ins	7,838	8,175	9,630	10,165	1,990	24.34%
513060 - Life Ins	1,918	2,240	2,425	2,570	330	14.73%
514000 - Retirement	114,600	150,230	150,230	138,485	(11,745)	-7.82%
514010 - Retiree - Insurance	23,380	26,210	26,210	24,160	(2,050)	-7.82%
514020 - Comp Absences-vacation	3,185	4,525	4,525	13,435	8,910	196.91%
514030 - Comp Absences-sick	43,985	-	-	44,750	44,750	0.00%
515000 - Cell Phone Stipend	3,614	4,215	4,215	4,790	575	13.64%
<b>Personnel Total</b>	<b>\$ 1,584,195</b>	<b>\$ 1,733,700</b>	<b>\$ 1,765,310</b>	<b>\$ 1,779,540</b>	<b>\$ 45,840</b>	<b>2.64%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 1,304	\$ 835	\$ 1,335	\$ 1,280	\$ 445	53.29%
520110 - Computer Supplies	8,674	7,320	7,320	17,560	10,240	139.89%
520300 - Clothing Supplies	7,844	10,520	8,020	6,050	(4,470)	-42.49%
520600 - Fuel, Oil and Lube	265,409	295,995	255,995	251,340	(44,655)	-15.09%
520630 - Toll Fees	49,009	30,000	50,000	50,000	20,000	66.67%
520800 - Small Tools & Equip	711	500	500	500	-	0.00%
520810 - Fire Extinguishers	1,006	1,180	1,880	3,280	2,100	177.97%
520900 - Janitorial Supplies	1,135	1,200	1,200	1,200	-	0.00%
521100 - Medical Supplies	46	200	200	200	-	0.00%
521110 - Safety Supplies	4,718	4,705	4,705	8,325	3,620	76.94%
521200 - Chem - Other	12,235	12,000	12,000	12,000	-	0.00%
521400 - Electrical Supplies	2,931	1,000	1,000	1,000	-	0.00%
521500 - Mechanical Supplies	6,193	16,000	16,000	36,000	20,000	125.00%
521700 - Building Supplies	2,438	3,000	3,000	3,000	-	0.00%
521900 - Vehicle Supplies	99,972	132,000	127,000	132,000	-	0.00%
521910 - Tires and Tubes	56,096	128,610	128,610	119,000	(9,610)	-7.47%
522200 - Road Maintenance Supplies	-	3,000	3,000	3,000	-	0.00%

**Expense Detail (continued)**

<b>Parkway Transfer Station</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2019-20</b>	<b>2020-21</b>	<b>Variance \$</b>	<b>Variance %</b>
<b>Expense Category</b>	<b>Actual</b>	<b>Original Budget</b>	<b>Amended Budget</b>	<b>Proposed Budget</b>	<b>To Original Budget</b>	<b>To Original Budget</b>
<b>Supplies (continued)</b>						
523000 - Other Supplies	\$ 1,430	\$ 2,400	\$ 2,400	\$ 2,400	\$ -	0.00%
523660 - Small Plants Supplies	-	-	-	-	-	0.00%
525000 - Recovery - Supplies	-	-	-	-	-	0.00%
<b>Supplies Total</b>	<b>\$ 521,152</b>	<b>\$ 650,465</b>	<b>\$ 624,165</b>	<b>\$ 648,135</b>	<b>\$ (2,330)</b>	<b>-0.36%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 37,547	\$ 39,140	\$ 39,140	\$ 37,005	\$ (2,135)	-5.45%
530400 - Fire & Exten Cov Ins	593	700	700	815	115	16.43%
530900 - General Liability Ins	1,469	2,200	2,200	1,705	(495)	-22.50%
531000 - Telephone	148	200	200	200	-	0.00%
531020 - Internet Service	2,905	2,460	2,460	4,020	1,560	63.41%
531100 - Electric Power	18,097	25,000	20,000	21,000	(4,000)	-16.00%
531120 - Retail Water Service	7,920	10,000	8,200	8,500	(1,500)	-15.00%
531300 - Engin/Consultant Svc	1,200	1,200	1,200	5,200	4,000	333.33%
531310 - Special Studies & Rpts	-	5,000	5,000	5,000	-	0.00%
531400 - Legal Service	1,009	100,000	40,000	100,000	-	0.00%
531700 - Advertising	-	1,600	6,000	6,100	4,500	281.25%
531800 - Rent or Lease Payment	-	1,500	1,500	1,500	-	0.00%
531900 - Travel and Training	1,850	2,430	2,730	3,795	1,365	56.17%
532100 - Vehicle Maint	84,015	126,000	101,000	119,000	(7,000)	-5.56%
532200 - Equipment Maintenance	49,116	10,000	10,000	26,500	16,500	165.00%
532300 - Postage	6	500	500	500	-	0.00%
532400 - Office Equip Maint	1,800	5,800	4,800	5,800	-	0.00%
532800 - Grounds Maintenance	3,727	9,320	9,320	6,320	(3,000)	-32.19%
532850 - Building Maintenance	1,350	-	-	-	-	0.00%
533000 - Other Services	8,329	10,400	45,400	10,400	-	0.00%
533020 - Contract Labor	60,183	69,890	69,890	73,320	3,430	4.91%
533100 - Administration	28,135	6,210	6,210	6,475	265	4.27%
533900 - Permits, Ins, & Lic Fees	965	790	790	840	50	6.33%
534000 - Uninsured losses	2,000	-	-	-	-	0.00%
Support Services	141,721	202,065	203,105	227,255	25,190	12.47%
<b>Services Total</b>	<b>\$ 454,083</b>	<b>\$ 632,405</b>	<b>\$ 580,345</b>	<b>\$ 671,250</b>	<b>\$ 38,845</b>	<b>6.14%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 144,386	\$ 750,000	\$ 723,125	\$ 870,000	\$ 120,000	16.00%
<b>Capital Outlay Total</b>	<b>\$ 144,386</b>	<b>\$ 750,000</b>	<b>\$ 723,125</b>	<b>\$ 870,000</b>	<b>\$ 120,000</b>	<b>16.00%</b>
<b>Grand Total</b>	<b>\$ 2,703,815</b>	<b>\$ 3,766,570</b>	<b>\$ 3,692,945</b>	<b>\$ 3,968,925</b>	<b>\$ 202,355</b>	<b>5.37%</b>

### Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$202,355 from the FY20 Original Budget. Major variances are explained below.

- Vehicle Equipment increased due to purchase of trailers for the station's conversion to top load.
- Mechanical Supplies increased as a result of needed repairs to old compactor units.
- Toll Fees increased due to upward trends.
- Personnel increased in relation to higher insurance and compensated absences costs.
- Equipment Maintenance increased as a result of front end loader and compactor repairs.

## Custer 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.

### FY2021 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
- Concrete repair to the Citizen's Drop Off Area and Compost Access Road
- Vehicle Supplies and Vehicle Maintenance

**Position Summary**

<b>Custer Transfer Station</b>				
<b>Full-Time Positions</b>	<b>FY20</b>	<b>FY21</b>	<b>Difference</b>	
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>23.98</b>	<b>-</b>	

**Expense Detail**

<b>Custer Transfer Station</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2019-20</b>	<b>2020-21</b>	<b>Variance \$</b>	<b>Variance %</b>
<b>Expense Category</b>	<b>Actual</b>	<b>Original Budget</b>	<b>Amended Budget</b>	<b>Proposed Budget</b>	<b>To Original Budget</b>	<b>To Original Budget</b>
<b>Personnel</b>						
510000 - Wages	\$ 1,213,861	\$ 1,411,625	\$ 1,397,970	\$ 1,359,270	\$ (52,355)	-3.71%
511060 - Overtime	602,154	470,000	470,000	470,000	-	0.00%
512000 - Social Security	132,779	108,015	114,040	103,995	(4,020)	-3.72%
513000 - Workers' Comp Ins	92,646	76,525	78,150	62,490	(14,035)	-18.34%
513020 - Hospitalization Ins	295,614	324,635	311,615	324,380	(255)	-0.08%
513040 - Dental Ins	14,823	16,125	14,130	13,985	(2,140)	-13.27%
513060 - Life Ins	2,863	3,250	3,480	3,690	440	13.54%
514000 - Retirement	181,655	218,455	218,455	205,925	(12,530)	-5.74%
514010 - Retiree - Insurance	37,055	38,115	38,115	35,925	(2,190)	-5.75%
514020 - Comp Absences-vacation	22,160	14,290	14,290	15,140	850	5.95%
514030 - Comp Absences-sick	17,340	11,515	11,515	15,665	4,150	36.04%
515000 - Cell Phone Stipend	3,174	3,255	3,255	4,790	1,535	47.16%
<b>Personnel Total</b>	<b>\$ 2,616,124</b>	<b>\$ 2,695,805</b>	<b>\$ 2,675,015</b>	<b>\$ 2,615,255</b>	<b>\$ (80,550)</b>	<b>-2.99%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 1,644	\$ 1,300	\$ 1,300	\$ 1,300	-	0.00%
520110 - Computer Supplies	13,828	8,160	8,160	28,400	20,240	248.04%
520300 - Clothing Supplies	10,384	15,245	12,245	11,860	(3,385)	-22.20%
520600 - Fuel, Oil and Lube	455,443	527,440	467,440	379,810	(147,630)	-27.99%
520630 - Toll Fees	77,576	93,000	81,000	85,000	(8,000)	-8.60%
520800 - Small Tools & Equip	311	500	500	500	-	0.00%
520810 - Fire Extinguishers	4,192	2,680	5,740	4,680	2,000	74.63%
520900 - Janitorial Supplies	1,378	1,500	1,500	1,500	-	0.00%
521100 - Medical Supplies	-	500	500	500	-	0.00%
521110 - Safety Supplies	6,235	7,715	7,715	12,475	4,760	61.70%
521200 - Chem - Other	12,000	12,000	12,000	12,000	-	0.00%
521400 - Electrical Supplies	4,420	3,000	3,000	3,000	-	0.00%
521500 - Mechanical Supplies	2,774	2,800	2,800	2,800	-	0.00%
521700 - Building Supplies	2,849	1,600	1,600	1,600	-	0.00%
521900 - Vehicle Supplies	176,596	142,500	222,500	142,500	-	0.00%
521910 - Tires and Tubes	79,654	124,070	104,070	126,400	2,330	1.88%
522000 - Equipment Supplies	219	-	-	-	-	0.00%

## Expense Detail (continued)

Custer Transfer Station	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies (continued)</b>						
522200 - Road Maintenance Supplies	\$ 3,203	\$ 5,000	\$ 2,500	\$ 5,000	\$ -	0.00%
523000 - Other Supplies	1,641	1,000	3,500	6,000	5,000	500.00%
<b>Supplies Total</b>	<b>\$ 854,347</b>	<b>\$ 950,010</b>	<b>\$ 938,070</b>	<b>\$ 825,325</b>	<b>\$ (124,685)</b>	<b>-13.12%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 50,521	\$ 46,980	\$ 46,980	\$ 64,550	\$ 17,570	37.40%
530400 - Fire & Exten Cov Ins	4,845	5,740	5,740	7,105	1,365	23.78%
530900 - General Liability Ins	2,453	2,285	2,285	2,370	85	3.72%
531000 - Telephone	7,033	7,200	7,200	3,600	(3,600)	-50.00%
531020 - Internet Service	1,154	1,080	1,080	1,800	720	66.67%
531100 - Electric Power	25,871	27,600	30,600	30,000	2,400	8.70%
531120 - Retail Water Service	11,502	12,000	12,000	12,000	-	0.00%
531300 - Engin/Consultant Svc	5,794	3,300	8,300	10,800	7,500	227.27%
531310 - Special Studies & Rpts	-	5,000	5,000	5,000	-	0.00%
531400 - Legal Service	519	500	500	500	-	0.00%
531700 - Advertising	-	-	75	-	-	0.00%
531800 - Rent or Lease Payment	962	1,500	1,500	1,500	-	0.00%
531900 - Travel and Training	2,350	3,180	4,280	4,330	1,150	36.16%
532100 - Vehicle Maint	157,436	162,000	162,000	154,800	(7,200)	-4.44%
532200 - Equipment Maintenance	10,156	2,500	2,500	29,000	26,500	1060.00%
532300 - Postage	16	50	50	50	-	0.00%
532400 - Office Equip Maint	15,008	8,600	15,600	11,600	3,000	34.88%
532800 - Grounds Maintenance	6,387	22,160	22,160	22,160	-	0.00%
532850 - Building Maintenance	11,712	-	-	-	-	0.00%
533000 - Other Services	20,739	21,800	119,400	21,800	-	0.00%
533020 - Contract Labor	170,699	128,130	128,130	134,420	6,290	4.91%
533100 - Administration	41,490	9,430	9,430	10,560	1,130	11.98%
533900 - Permits, Ins, & Lic Fees	1,336	1,190	1,190	1,240	50	4.20%
534000 - Uninsured losses	6	-	-	-	-	0.00%
Support Services	204,555	388,220	411,045	357,485	(30,735)	-7.92%
<b>Services Total</b>	<b>\$ 752,540</b>	<b>\$ 860,445</b>	<b>\$ 997,045</b>	<b>\$ 886,670</b>	<b>\$ 26,225</b>	<b>3.05%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 974,334	\$ 1,656,000	\$ 1,581,010	\$ 1,657,000	\$ 1,000	0.06%
542000 - Other Capital Outlay	161,518	320,000	128,400	435,000	115,000	35.94%
<b>Capital Outlay Total</b>	<b>\$ 1,135,852</b>	<b>\$ 1,976,000</b>	<b>\$ 1,709,410</b>	<b>\$ 2,092,000</b>	<b>\$ 116,000</b>	<b>5.87%</b>
<b>Grand Total</b>	<b>\$ 5,358,863</b>	<b>\$ 6,482,260</b>	<b>\$ 6,319,540</b>	<b>\$ 6,419,250</b>	<b>\$ (63,010)</b>	<b>-0.97%</b>

### Major FY21 Budget Items

The department's FY21 Proposed Budget has decreased by \$63,010 from the FY20 Original Budget. Major variances are explained below.

- Personnel decreased related to decreases in wages, retirement and insurance costs.
- Fuel, Oil and Lube decreased due to lower fuel bid pricing for FY21.
- Computer Supplies increased as a result of adding 4 new cameras and hardware for the tipping floor.
- Equipment Maintenance increased as a result of needed maintenance for front end loaders and 2 tampers.
- Other Capital Outlay increased due to concrete repair 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.

### FY2021 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	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
531300 - Engin/Consultant Svc	\$ 33,802	\$ 41,425	\$ 44,070	\$ 37,195	\$ (4,230)	-10.21%
531400 - Legal Service	3,611	1,500	1,500	1,500	-	0.00%
532200 - Equipment Maintenance	-	750	750	750	-	0.00%
532300 - Postage	316	25	25	25	-	0.00%
532800 - Grounds Maintenance	12,494	16,120	16,120	16,120	-	0.00%
533000 - Other Services	200	-	-	-	-	0.00%
533100 - Administration	505	105	105	105	-	0.00%
Support Services	2,466	2,285	2,505	8,150	5,865	256.67%
<b>Services Total</b>	<b>\$ 53,393</b>	<b>\$ 62,210</b>	<b>\$ 65,075</b>	<b>\$ 63,845</b>	<b>\$ 1,635</b>	<b>2.63%</b>
<b>Grand Total</b>	<b>\$ 53,393</b>	<b>\$ 62,210</b>	<b>\$ 65,075</b>	<b>\$ 63,845</b>	<b>\$ 1,635</b>	<b>2.63%</b>

### Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$1,635 from the FY20 Original Budget with no major variances.

## 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.

### FY2021 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	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520110 - Computer Supplies	\$ -	\$ 1,260	\$ 720	\$ 1,320	\$ 60	4.76%
<b>Supplies Total</b>	<b>\$ -</b>	<b>\$ 1,260</b>	<b>\$ 720</b>	<b>\$ 1,320</b>	<b>\$ 60</b>	<b>4.76%</b>
<b>Services</b>						
531100 - Electric Power	\$ 6,416	\$ 6,800	\$ 6,800	\$ 6,800	-	0.00%
531300 - Engin/Consultant Svc	133,727	76,395	82,895	79,460	3,065	4.01%
531400 - Legal Service	8,396	1,000	1,600	1,000	-	0.00%
532300 - Postage	180	30	30	30	-	0.00%
532800 - Grounds Maintenance	5,375	9,850	9,850	9,850	-	0.00%
533000 - Other Services	(7,351)	40,000	37,000	25,000	(15,000)	-37.50%
Support Services	1,737	8,160	9,705	8,270	110	1.35%
<b>Services Total</b>	<b>\$ 148,481</b>	<b>\$ 142,235</b>	<b>\$ 147,880</b>	<b>\$ 130,410</b>	<b>\$ (11,825)</b>	<b>-8.31%</b>
<b>Grand Total</b>	<b>\$ 148,481</b>	<b>\$ 143,495</b>	<b>\$ 148,600</b>	<b>\$ 131,730</b>	<b>\$ (11,765)</b>	<b>-8.20%</b>

### Major FY21 Budget Items

The department's FY21 Proposed Budget has decreased by \$11,765 from the FY20 Original Budget based on lower Other Services spending.

## 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 appliance 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 renewable pipeline quality 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.

### FY2021 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 and Equipment Maintenance
- Vehicle Equipment

### Position Summary

121 Regional Disposal Facility			
Full-Time Positions	FY20	FY21	Difference
Administrative Technician	0.20	0.20	-
Assistant Deputy (Solid Waste)	0.20	0.20	-
Heavy Equipment Mechanic	3.00	-	(3.00)
Heavy Equipment Operator	18.00	19.00	1.00
Heavy Equipment Shop Foreman	1.00	-	(1.00)
Landfill Manager	1.00	1.00	-
Landfill Scalehouse Coordinator	1.00	1.00	-
Landfill Spotter	1.00	1.00	-
Landfill Supervisor	1.00	-	(1.00)
Lead Heavy Equipment Operator	2.00	2.00	-
Parts Worker	1.00	1.00	-
Scale Operator	3.00	3.00	-
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>34.65</b>	<b>30.65</b>	<b>(4.0)</b>

### Expense Detail

121 Regional Disposal Facility	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 1,888,430	\$ 2,095,255	\$ 1,811,805	\$ 1,783,885	\$ (311,370)	-14.86%
511060 - Overtime	354,027	370,000	350,000	370,000	-	0.00%
512000 - Social Security	167,020	159,895	140,505	136,480	(23,415)	-14.64%
513000 - Workers' Comp Ins	100,351	93,745	79,865	67,055	(26,690)	-28.47%
513010 - Unemployment Ins	3,760	-	-	-	-	0.00%
513020 - Hospitalization Ins	427,813	463,490	454,305	469,765	6,275	1.35%
513040 - Dental Ins	21,547	23,115	22,445	22,655	(460)	-1.99%
513060 - Life Ins	4,336	4,775	4,585	4,860	85	1.78%
514000 - Retirement	327,865	324,255	324,255	262,560	(61,695)	-19.03%
514010 - Retiree - Insurance	66,885	56,570	56,570	45,810	(10,760)	-19.02%
514020 - Comp Absences-vacation	-	7,330	7,330	12,765	5,435	74.15%
514030 - Comp Absences-sick	11,830	-	-	-	-	0.00%
515000 - Cell Phone Stipend	1,336	1,655	1,655	1,750	95	5.74%
<b>Personnel Total</b>	<b>\$ 3,375,198</b>	<b>\$ 3,600,085</b>	<b>\$ 3,253,320</b>	<b>\$ 3,177,585</b>	<b>\$ (422,500)</b>	<b>-11.74%</b>

Expense Detail (continued)

121 Regional Disposal Facility	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520100 - Office Supplies	\$ 7,482	\$ 8,225	\$ 9,225	\$ 7,225	\$ (1,000)	-12.16%
520110 - Computer Supplies	14,496	14,775	33,775	22,345	7,570	51.24%
520300 - Clothing Supplies	13,447	21,730	12,730	9,750	(11,980)	-55.13%
520600 - Fuel, Oil and Lube	839,032	894,750	839,250	767,860	(126,890)	-14.18%
520630 - Toll Fees	16	100	100	100	-	0.00%
520700 - Machine Oil & Lube	-	30,000	-	-	(30,000)	-100.00%
520800 - Small Tools & Equip	16,965	7,000	11,500	7,000	-	0.00%
520810 - Fire Extinguishers	2,428	375	375	13,375	13,000	3466.67%
520900 - Janitorial Supplies	2,846	3,695	3,695	620	(3,075)	-83.22%
521100 - Medical Supplies	-	280	280	280	-	0.00%
521110 - Safety Supplies	17,339	24,495	24,495	28,335	3,840	15.68%
521200 - Chem - Other	61,697	148,600	128,600	116,600	(32,000)	-21.53%
521400 - Electrical Supplies	17,951	4,000	4,000	2,000	(2,000)	-50.00%
521500 - Mechanical Supplies	5,406	2,000	6,500	3,000	1,000	50.00%
521700 - Building Supplies	779	4,000	7,500	1,000	(3,000)	-75.00%
521900 - Vehicle Supplies	300,754	522,500	522,500	522,500	-	0.00%
521910 - Tires and Tubes	112,736	93,390	105,390	74,190	(19,200)	-20.56%
522000 - Equipment Supplies	382	3,000	3,000	3,000	-	0.00%
522100 - Welding Supplies	3,075	7,000	7,000	7,000	-	0.00%
522200 - Road Maint Supplies	248,269	240,000	340,000	240,000	-	0.00%
523000 - Other Supplies	67,176	229,850	169,850	229,850	-	0.00%
<b>Supplies Total</b>	<b>\$ 1,732,274</b>	<b>\$ 2,259,765</b>	<b>\$ 2,229,765</b>	<b>\$ 2,056,030</b>	<b>\$ (203,735)</b>	<b>-9.02%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 66,071	\$ 48,405	\$ 48,405	\$ 74,665	\$ 26,260	54.25%
530400 - Fire & Exten Cov Ins	602	715	715	735	20	2.80%
530520 - Financial Assur Bond/Ins	1,200	1,200	1,200	1,200	-	0.00%
530900 - General Liability Ins	3,539	5,650	5,650	4,155	(1,495)	-26.46%
531000 - Telephone	4,054	4,740	4,740	4,740	-	0.00%
531020 - Internet Service	78,369	76,560	78,560	81,600	5,040	6.58%
531100 - Electric Power	36,463	44,400	32,400	14,400	(30,000)	-67.57%
531120 - Retail Water Service	243,445	190,860	198,860	198,060	7,200	3.77%
531200 - Bank Service Fees	58	245	80	100	(145)	-59.18%
531210 - Bank Card Service Fees	53,981	48,000	59,000	50,400	2,400	5.00%
531300 - Engin/Consultant Svc	447,645	535,760	700,760	373,820	(161,940)	-30.23%
531310 - Special Studies & Rpts	-	25,000	-	25,000	-	0.00%
531400 - Legal Service	29,582	20,000	12,500	20,000	-	0.00%
531700 - Advertising	5,962	625	425	125	(500)	-80.00%
531800 - Rent or Lease Payment	-	-	4,210	-	-	0.00%
531900 - Travel and Training	2,750	8,300	7,300	7,700	(600)	-7.23%
532100 - Vehicle Maint	14,883	4,000	19,000	4,000	-	0.00%
532200 - Equipment Maintenance	481,918	700,000	1,025,000	700,000	-	0.00%
532250 - Cap Cont-City of Melissa	320,000	320,000	320,000	320,000	-	0.00%
532300 - Postage	683	620	620	120	(500)	-80.65%
532400 - Office Equip Maint	23,860	16,000	12,000	12,000	(4,000)	-25.00%
532800 - Grounds Maintenance	42,197	40,800	39,900	40,800	-	0.00%

**Expense Detail (continued)**

<b>121 Regional Disposal Facility</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2019-20</b>	<b>2020-21</b>	<b>Variance \$</b>	<b>Variance %</b>
<b>Expense Category</b>	<b>Actual</b>	<b>Original Budget</b>	<b>Amended Budget</b>	<b>Proposed Budget</b>	<b>To Original Budget</b>	<b>To Original Budget</b>
<b>Services (continued)</b>						
532850 - Building Maintenance	\$ 6,105	\$ 6,000	\$ 18,000	\$ 2,000	\$ (4,000)	-66.67%
533000 - Other Services	223,655	209,185	224,185	209,560	375	0.18%
533020 - Contract Labor	114,341	139,780	139,780	139,780	-	0.00%
533100 - Administration	161,805	30,355	30,355	27,165	(3,190)	-10.51%
533900 - Permits, Ins, & Lic Fees	1,197,655	955,500	955,500	955,575	75	0.01%
533920 - Regulatory Fees & Asses	17,322	19,150	11,650	15,650	(3,500)	-18.28%
534000 - Uninsured losses	9,706	-	-	-	-	0.00%
534300 - Composting Services	622,752	565,840	597,840	630,720	64,880	11.47%
Support Services	570,907	830,415	844,820	1,026,635	196,220	23.63%
<b>Services Total</b>	<b>\$ 4,781,510</b>	<b>\$ 4,848,105</b>	<b>\$ 5,393,455</b>	<b>\$ 4,940,705</b>	<b>\$ 92,600</b>	<b>1.91%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 1,604,401	\$ 985,000	\$ 944,750	\$ 2,557,000	\$ 1,572,000	159.59%
540700 - Non-Vehicle Equipment	9,591	750,000	515,000	308,100	(441,900)	-58.92%
541500 - Landfill Devel Cost	-	1,453,900	1,314,225	-	(1,453,900)	-100.00%
542000 - Other Capital Outlay	299,985	-	-	-	-	0.00%
<b>Capital Outlay Total</b>	<b>\$ 1,913,978</b>	<b>\$ 3,188,900</b>	<b>\$ 2,773,975</b>	<b>\$ 2,865,100</b>	<b>\$ (323,800)</b>	<b>-10.15%</b>
<b>Grand Total</b>	<b>\$11,802,959</b>	<b>\$13,896,855</b>	<b>\$13,650,515</b>	<b>\$13,039,420</b>	<b>\$ (857,435)</b>	<b>-6.17%</b>

**Major FY21 Budget Items**

The department's FY21 Proposed Budget has decreased by \$857,435 from the FY20 Original Budget. Major variances are explained below.

- Fuel, Oil and Lube decreased based on lower fuel bid pricing.
- Chem - Other decreased as a result from lower spending on truck wash cleaner.
- Personnel decreased due to the shifting positions over to the Fleet Department.
- Engin/Consultant Svc decreased due to lower needs.
- Vehicle Equipment increased for the replacement of a compactor, truck, dozer and water wagon.
- Non-Vehicle Equipment decreased as a result of a lower replacements in FY21.
- Landfill Devel Cost decreased due to no new cell development for FY21.

## 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.

### FY2021 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**

<b>Fleet Maintenance Shop</b>			
<b>Full-Time Positions</b>	<b>FY20</b>	<b>FY21</b>	<b>Difference</b>
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 Shop Assistant	6.0	5.0	(1.0)
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
Information Systems Assistant	-	1.0	1.0
Lead Fleet Maintenance Equipment Mechanic	1.0	1.0	-
Welder	1.0	1.0	-
<b>Total Full-Time Positions</b>	<b>21.4</b>	<b>26.4</b>	<b>5.0</b>

**Expense Detail**

<b>Fleet Maintenance Shop</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2019-20</b>	<b>2020-21</b>	<b>Variance \$</b>	<b>Variance %</b>
<b>Expense Category</b>	<b>Actual</b>	<b>Original Budget</b>	<b>Amended Budget</b>	<b>Proposed Budget</b>	<b>To Original Budget</b>	<b>To Original Budget</b>
<b>Personnel</b>						
510000 - Wages	\$ 1,057,146	\$ 1,258,300	\$ 1,474,295	\$ 1,532,680	\$ 274,380	21.81%
511060 - Overtime	82,530	75,000	120,000	132,000	57,000	76.00%
512000 - Social Security	82,441	96,250	111,395	117,245	20,995	21.81%
513000 - Workers' Comp Ins	34,385	44,265	50,160	45,145	880	1.99%
513020 - Hospitalization Ins	244,627	266,465	297,820	336,660	70,195	26.34%
513040 - Dental Ins	13,725	14,100	16,220	17,090	2,990	21.21%
513060 - Life Ins	2,444	2,880	3,615	4,175	1,295	44.97%
514000 - Retirement	171,070	194,730	194,730	234,815	40,085	20.58%
514010 - Retiree - Insurance	34,900	33,975	33,975	40,965	6,990	20.57%
514020 - Comp Absences-vacation	9,640	12,060	12,060	-	(12,060)	-100.00%
514030 - Comp Absences-sick	-	2,655	2,655	1,025	(1,630)	-61.39%
515000 - Cell Phone Stipend	8,336	9,215	9,215	10,630	1,415	15.36%
<b>Personnel Total</b>	<b>\$ 1,741,245</b>	<b>\$ 2,009,895</b>	<b>\$ 2,326,140</b>	<b>\$ 2,472,430</b>	<b>\$ 462,535</b>	<b>23.01%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 5,318	\$ 3,590	\$ 4,890	\$ 4,520	\$ 930	25.91%
520110 - Computer Supplies	48,115	52,735	47,735	61,395	8,660	16.42%
520300 - Clothing Supplies	9,595	16,660	10,660	19,915	3,255	19.54%
520600 - Fuel, Oil and Lube	14,318	19,670	13,500	30,340	10,670	54.25%
520630 - Toll Fees	964	600	1,000	1,000	400	66.67%
520800 - Small Tools & Equip	20,315	29,195	32,595	34,205	5,010	17.16%
520810 - Fire Extinguishers	155	750	170	1,200	450	60.00%
520820 - Expendable Supplies	4,361	4,375	5,375	5,590	1,215	27.77%
520900 - Janitorial Supplies	1,435	1,500	1,500	4,700	3,200	213.33%
521100 - Medical Supplies	249	400	400	600	200	50.00%
521110 - Safety Supplies	16,649	9,415	8,915	10,385	970	10.30%
521400 - Electrical Supplies	1,931	1,000	1,000	2,500	1,500	150.00%

## Expense Detail (continued)

Fleet Maintenance Shop	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies (continued)</b>						
521500 - Mechanical Supplies	\$ 93	\$ -	\$ -	\$ -	-	0.00%
521700 - Building Supplies	1,948	2,000	2,190	3,000	1,000	50.00%
521900 - Vehicle Supplies	4,227	2,900	2,900	5,400	2,500	86.21%
521910 - Tires and Tubes	1,061	5,100	5,100	3,000	(2,100)	-41.18%
522000 - Equipment Supplies	2,802	3,000	3,380	8,300	5,300	176.67%
522100 - Welding Supplies	7,550	9,000	9,000	9,000	-	0.00%
522200 - Road Maintenance Supplies	-	1,000	-	25,400	24,400	2440.00%
<b>Supplies Total</b>	<b>\$ 141,085</b>	<b>\$ 162,890</b>	<b>\$ 150,310</b>	<b>\$ 230,450</b>	<b>\$ 67,560</b>	<b>41.48%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 7,269	\$ 7,650	\$ 8,950	\$ 9,215	\$ 1,565	20.46%
530400 - Fire & Exten Cov Ins	3,926	4,655	4,680	5,555	900	19.33%
530900 - General Liability Ins	-	-	140	-	-	0.00%
531000 - Telephone	1,141	1,380	1,385	5,355	3,975	288.04%
531020 - Internet Service	1,974	3,240	4,240	5,400	2,160	66.67%
531100 - Electric Power	32,312	33,300	33,300	66,000	32,700	98.20%
531300 - Engin/Consultant Svc	7,857	3,000	3,000	2,000	(1,000)	-33.33%
531400 - Legal Service	-	-	2,950	1,200	1,200	0.00%
531700 - Advertising	171	175	175	175	-	0.00%
531900 - Travel and Training	8,564	13,975	5,750	15,415	1,440	10.30%
532000 - Mem & Subscriptions	5,383	2,725	2,725	3,700	975	35.78%
532100 - Vehicle Maint	610	1,000	1,500	3,000	2,000	200.00%
532200 - Equipment Maintenance	3,575	1,800	5,425	3,000	1,200	66.67%
532300 - Postage	44	75	115	75	-	0.00%
532850 - Building Maintenance	16,090	14,265	14,265	10,900	(3,365)	-23.59%
533000 - Other Services	31,073	20,780	22,780	58,435	37,655	181.21%
533100 - Administration	25,150	5,100	5,100	5,005	(95)	-1.86%
Support Services	169,533	303,050	297,140	329,215	26,165	8.63%
<b>Services Total</b>	<b>\$ 314,670</b>	<b>\$ 416,170</b>	<b>\$ 413,620</b>	<b>\$ 523,645</b>	<b>\$ 107,475</b>	<b>25.82%</b>
<b>Capital Outlay</b>						
540200 - Building	\$ 22,270	\$ -	\$ -	\$ -	-	0.00%
540300 - Vehicle Equipment	28,408	192,000	196,055	27,500	(164,500)	-85.68%
540700 - Non-Vehicle Equipment	25,740	27,000	14,245	51,000	24,000	88.89%
<b>Capital Outlay Total</b>	<b>\$ 76,418</b>	<b>\$ 219,000</b>	<b>\$ 210,300</b>	<b>\$ 78,500</b>	<b>-\$140,500</b>	<b>-64.16%</b>
<b>Grand Total</b>	<b>\$ 2,273,417</b>	<b>\$ 2,807,955</b>	<b>\$ 3,100,370</b>	<b>\$ 3,305,025</b>	<b>\$ 497,070</b>	<b>17.70%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$497,070 from the FY20 Original Budget. Major variances are explained below.

- Personnel increased for one new heavy equipment mechanic and moving heavy equipment maintenance staff from RDF121 to Fleet Maintenance.
- Vehicle Equipment decreased due to a reduction in the need for replacement vehicles in FY21.

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# SUPPORT FUND

Environmental Services / Laboratory Building



## Support Fund

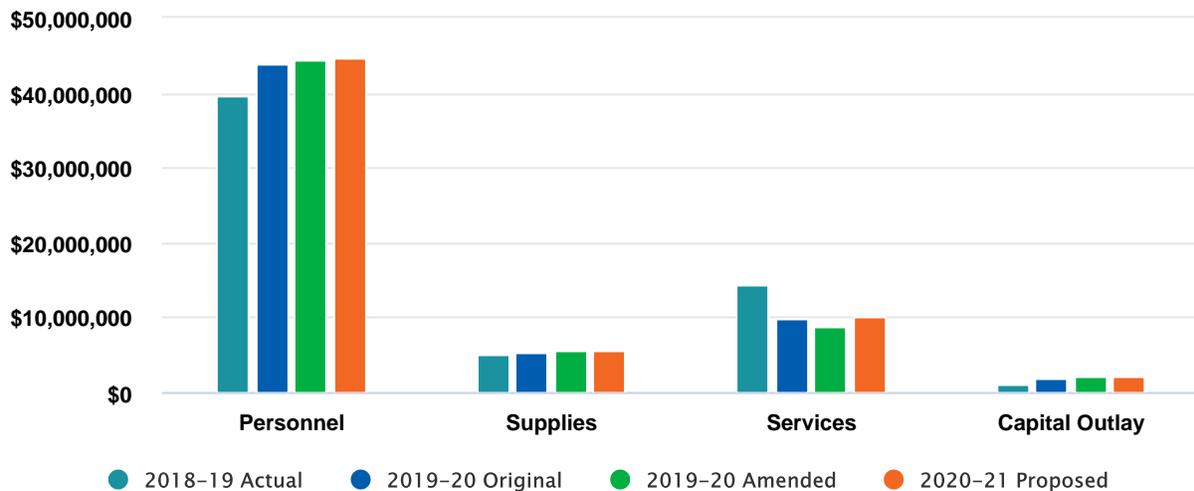
The Support Fund is comprised of multiple departments that provide common or shared essential services to the Regional Water, Regional Wastewater, Upper East Fork Interceptor, Sewer and Regional Solid Waste Operating Systems.

The support departments are as follows:

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

The Support Fund departments have a total of 398 employees. Detailed position counts are shown within each of the departmental executive summaries.

### SUPPORT FUND EXPENDITURES BY CATEGORY



### Expenditures

Category	2018-19 Actual	2019-20 Original Budget	2019-20 Amended Budget	2020-21 Proposed Budget	Variance \$ To Original Budget	Variance % To Original Budget
Personnel	\$ 39,629,846	\$ 44,009,095	\$ 44,501,975	\$ 44,621,140	\$ 612,045	1.39%
Supplies	5,147,554	5,279,870	5,570,195	5,499,270	219,400	4.16%
Services	14,463,595	9,760,020	8,785,175	10,142,860	382,840	3.92%
Capital Outlay	1,128,359	1,878,000	2,048,680	2,128,000	250,000	13.31%
<b>Total</b>	<b>\$ 60,369,355</b>	<b>\$ 60,926,985</b>	<b>\$ 60,906,025</b>	<b>\$ 62,391,270</b>	<b>\$ 1,464,285</b>	<b>2.40%</b>

Support Fund expenditures for FY21 are \$62,391,270, which is \$1,464,285 or 2.40% greater than the FY20 Budget. Major budget variances are explained below:

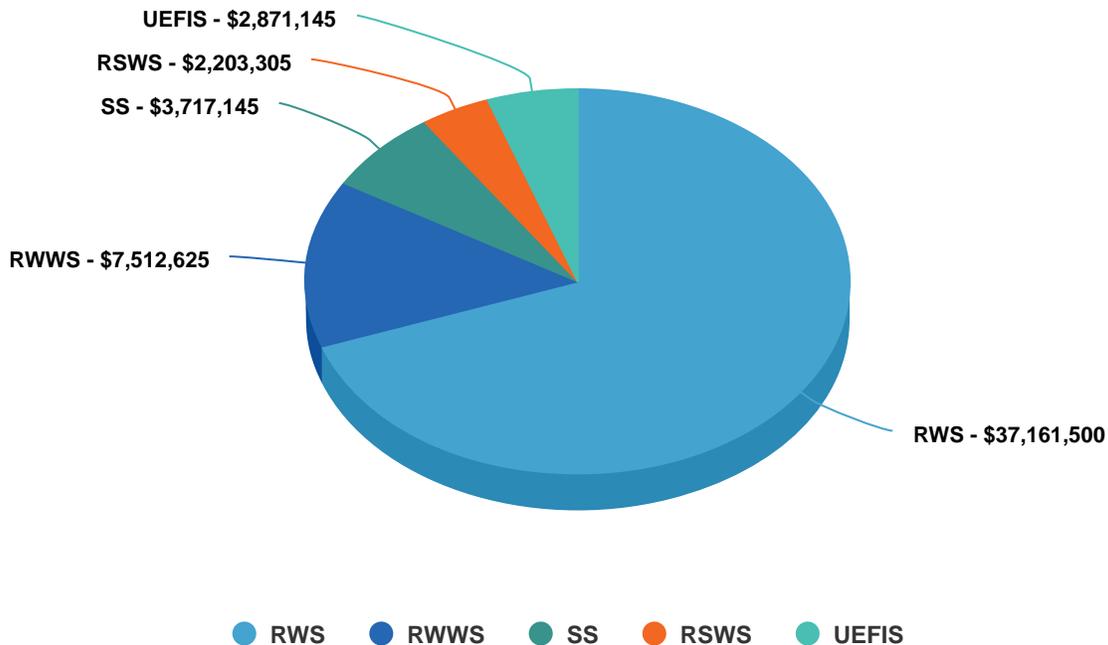
- An Increase in Personnel expenses of \$612,045 related to insurance costs. This year’s budget funds no new positions for Support and no market / merit based adjustments for existing staff.
- Services Increased \$382,840 which is primarily driven by additional Building Maintenance to replace the A/C in the lab, Employee Programs for staff assessments, Plant Security Services for a uniformed police officer at the Administration/Engineering/IT/Lab buildings and Legal costs related to source water protection.
- Capital Outlay Increased \$250,000 due to vehicle purchases but these costs are partially offset by lower Office and Non-Vehicle Equipment.
- Supplies Increased \$219,400 for additional Computer Supplies for equipment to record Board Meetings, Pipeline Supplies to support the new air relief valve (ARV) Program, and Safety Supplies for gas meters and safety harnesses.

**Cost Allocation**

The Support 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 support 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 Accounting department reviews budgeted to actual expenses within the Support Fund and determines if any adjustments are needed.

The following chart represents where the Support Fund expenses are expected to be allocated this year:

**FY21 ALLOCATED EXPENSES**



## 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.

### FY2021 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
- Legal Services

### Position Summary

General Department			
Full-Time Positions	FY20	FY21	Difference
Administrative Assistant (Sr. Admin Asst - In Lieu Of)	1.0	1.0	-
Deputy Director (Administrative Services)	1.0	1.0	-
Deputy Director (Engineering & CIP)	1.0	1.0	-
Deputy Director (Operations & Maintenance)	1.0	1.0	-
Energy Program Manager	1.0	1.0	-
Executive Administrative Assistant	1.0	1.0	-
Executive Assistant	1.0	1.0	-
Executive Director / General Manager	1.0	1.0	-
Government Relations Advisor	1.0	1.0	-
Process Improvement Advisor	1.0	1.0	-
Senior Administrative Assistant	1.0	1.0	-
Special Projects Manager (Training & Dev Mgr - In Lieu Of)	1.0	1.0	-
<b>Total Full-Time Positions</b>	<b>12.0</b>	<b>12.0</b>	<b>-</b>

## Expense Detail

General Department	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 1,776,091	\$ 1,978,235	\$ 1,929,130	\$ 1,941,685	\$ (36,550)	-1.85%
511070 - Board of Directors	102,266	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	107,714	113,600	130,645	114,650	1,050	0.92%
513000 - Workers' Comp Ins	3,254	3,825	3,750	3,205	(620)	-16.21%
513020 - Hospitalization Ins	147,402	169,125	174,310	176,660	7,535	4.46%
513040 - Dental Ins	9,090	9,810	9,880	9,655	(155)	-1.58%
513060 - Life Ins	4,111	4,190	4,745	4,805	615	14.68%
514000 - Retirement	318,215	375,955	375,955	368,450	(7,505)	-2.00%
514010 - Retiree - Insurance	39,030	38,360	38,360	39,205	845	2.20%
514020 - Comp Absences-vacation	-	-	-	87,665	87,665	0.00%
514030 - Comp Absences-sick	-	-	-	90,465	90,465	0.00%
515000 - Cell Phone Stipend	4,840	5,760	5,760	5,760	-	0.00%
<b>Personnel Total</b>	<b>\$ 2,515,612</b>	<b>\$ 2,827,460</b>	<b>\$ 2,801,135</b>	<b>\$ 2,970,805</b>	<b>\$ 143,345</b>	<b>5.07%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 6,405	\$ 4,050	\$ 4,050	\$ 4,050	\$ -	0.00%
520110 - Computer Supplies	12,276	9,650	9,650	9,650	-	0.00%
520200 - Xerox Supplies	38,508	30,000	30,000	30,000	-	0.00%
520300 - Clothing Supplies	771	-	-	-	-	0.00%
520600 - Fuel, Oil and Lube	2,044	1,750	1,750	1,750	-	0.00%
520630 - Toll Fees	192	200	200	200	-	0.00%
520800 - Small Tools & Equip	33	-	-	-	-	0.00%
521110 - Safety Supplies	517	-	-	-	-	0.00%
521700 - Building Supplies	12,321	9,800	9,800	9,800	-	0.00%
521900 - Vehicle Supplies	1,019	220	220	220	-	0.00%
521910 - Tires and Tubes	-	500	500	500	-	0.00%
<b>Supplies Total</b>	<b>\$ 74,087</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	\$ 1,246	\$ 1,375	\$ 1,375	\$ 1,195	\$ (180)	-13.09%
530400 - Fire & Exten Cov Ins	2,405	17,295	17,295	20,035	2,740	15.84%
530500 - Employee Bonds	8,025	9,715	9,715	10,425	710	7.31%
530510 - Directors & Officers Ins	163,561	175,105	175,105	178,010	2,905	1.66%
531020 - Internet Service	20,947	18,720	18,720	18,720	-	0.00%
531100 - Electric Power	39,708	40,000	40,000	40,000	-	0.00%
531110 - Nat Gas, Butane & Kero	14,540	19,000	19,000	19,000	-	0.00%
531120 - Retail Water Service	4,173	3,500	3,500	3,500	-	0.00%
531300 - Engin/Consultant Svc	128,420	40,000	40,000	90,000	50,000	125.00%
531310 - Special Studies & Rpts	2,256	105,000	44,000	90,000	(15,000)	-14.29%
531400 - Legal Service	92,163	82,000	82,000	82,000	-	0.00%
531410 - Legal Service, P.A.	2,406,796	1,830,000	1,830,000	1,830,000	-	0.00%
531490 - Raw Water Development	490,268	475,000	120,000	475,000	-	0.00%
531500 - Planning & Development	338,338	160,600	539,365	160,600	-	0.00%

**Expense Detail (continued)**

General Department	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services (continued)</b>						
531520 - Employee Programs	\$ 20,050	\$ -	\$ -	\$ -	-	0.00%
531600 - Printing & Binding	664	500	500	500	-	0.00%
531800 - Rent or Lease Payment	2,537	-	-	-	-	0.00%
531900 - Travel and Training	133,924	162,780	42,780	162,780	-	0.00%
532000 - Mem & Subscriptions	153,679	158,760	158,760	158,760	-	0.00%
532100 - Vehicle Maint	67	500	500	500	-	0.00%
532110 - Veh Maint by Solid Waste	509	200	200	200	-	0.00%
532300 - Postage	13,694	20,000	20,000	20,000	-	0.00%
532850 - Building Maintenance	20,457	1,600	1,600	1,600	-	0.00%
533000 - Other Services	961	-	-	-	-	0.00%
533030 - Contractual Safety Serv	4,791	3,560	3,560	3,560	-	0.00%
<b>Services Total</b>	<b>\$ 4,064,179</b>	<b>\$ 3,325,210</b>	<b>\$ 3,167,975</b>	<b>\$ 3,366,385</b>	<b>\$ 41,175</b>	<b>1.24%</b>
<b>Grand Total</b>	<b>\$ 6,653,877</b>	<b>\$ 6,208,840</b>	<b>\$ 6,025,280</b>	<b>\$ 6,393,360</b>	<b>\$ 184,520</b>	<b>2.97%</b>

**Major FY21 Budget Items**

The department's FY21 Proposed Budget has increased by \$184,520 from the FY20 Original Budget. Major variances are explained below.

- Personnel increased due to higher projected Compensated Absences - Sick & Vacation.
- Special Studies & Reports increased for the Compact Work Plan.
- Engineering/Consultant Services increased to cover the cost of recruiting services.

## Public Relations Department

### Overview

The Public Relations (PR) 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. PR plans and develops communications strategies, messages, branding, informational materials, online information, presentations and events. Through these avenues, the PR department helps keep the public and key stakeholders informed, build trust and understanding of operations, and advance NTMWD goals, initiatives, policies, programs and projects.

### FY2021 Department Objectives (Supporting Strategic Goals)

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

- The Public Relations 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 public relations support for FY21 include: NTMWD leadership and partner agency communications; Bois d'Arc Lake and other major capital project plans, permits, land acquisition and construction for all three services; water quality compliance and treatment processes; budget, rates/costs and related legal issues; cost drivers and efficiencies; various operations initiatives; water resources management and supporting education/stakeholder outreach; safety and emergency/crisis response; and workforce communications. The team develops and implements strategic communication and outreach plans for both external and internal stakeholders.

### 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, graphic design and video production.

### Position Summary

Public Relations Department			
Full-Time Positions	FY20	FY21	Difference
Public Relations & Communications Officer	1.0	1.0	-
Public Relations Assistant	1.0	1.0	-
Public Relations Coordinator (PR Specialist - In Lieu Of)	1.0	1.0	-
Public Relations Specialist	1.0	1.0	-
<b>Total Full-Time Positions</b>	<b>4.0</b>	<b>4.0</b>	<b>-</b>

## Expense Detail

Public Relations Department	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 348,459	\$ 368,045	\$ 375,900	\$ 371,845	\$ 3,800	1.03%
511060 - Overtime	114	-	-	-	-	0.00%
512000 - Social Security	25,773	27,475	27,345	27,995	520	1.89%
513000 - Workers' Comp Ins	639	710	710	615	(95)	-13.38%
513020 - Hospitalization Ins	32,455	37,860	54,910	56,450	18,590	49.10%
513040 - Dental Ins	3,135	3,375	3,700	3,645	270	8.00%
513060 - Life Ins	791	800	910	960	160	20.00%
514000 - Retirement	28,480	43,195	43,195	43,025	(170)	-0.39%
514010 - Retiree - Insurance	5,810	9,670	9,670	7,505	(2,165)	-22.39%
514020 - Comp Absences-vacation	-	570	570	-	(570)	-100.00%
515000 - Cell Phone Stipend	1,920	1,920	1,920	1,920	-	0.00%
<b>Personnel Total</b>	<b>\$ 447,576</b>	<b>\$ 493,620</b>	<b>\$ 518,830</b>	<b>\$ 513,960</b>	<b>\$ 20,340</b>	<b>4.12%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 1,309	\$ 500	\$ 500	\$ 500	-	0.00%
520110 - Computer Supplies	3,770	3,840	3,840	3,840	-	0.00%
520120 - Photo and Video Supplies	5,595	1,000	1,000	1,000	-	0.00%
520600 - Fuel, Oil and Lube	96	2,000	2,000	2,000	-	0.00%
521110 - Safety Supplies	276	-	-	-	-	0.00%
521900 - Vehicle Supplies	191	250	250	250	-	0.00%
521910 - Tires and Tubes	-	200	200	200	-	0.00%
<b>Supplies Total</b>	<b>\$ 11,238</b>	<b>\$ 7,790</b>	<b>\$ 7,790</b>	<b>\$ 7,790</b>	<b>-</b>	<b>0.00%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 244	\$ 270	\$ 270	\$ 250	(20)	-7.41%
531020 - Internet Service	2,294	2,160	2,160	2,160	-	0.00%
531030 - Web Site Serv	16,087	31,200	31,200	24,000	(7,200)	-23.08%
531300 - Engin/Consultant Svc	52,000	48,000	48,000	48,000	-	0.00%
531310 - Special Studies & Rpts	9,109	12,000	12,000	12,000	-	0.00%
531500 - Planning & Development	14,843	22,500	22,500	20,000	(2,500)	-11.11%
531700 - Advertising	52,310	52,500	52,500	59,700	7,200	13.71%
531900 - Travel and Training	11,393	7,800	7,800	10,300	2,500	32.05%
532000 - Mem & Subscriptions	3,612	4,105	4,105	4,055	(50)	-1.22%
532100 - Vehicle Maint	9	100	100	100	-	0.00%
532110 - Veh Maint by Solid Waste	160	260	260	260	-	0.00%
<b>Services Total</b>	<b>\$ 162,061</b>	<b>\$ 180,895</b>	<b>\$ 180,895</b>	<b>\$ 180,825</b>	<b>(70)</b>	<b>-0.04%</b>
<b>Grand Total</b>	<b>\$ 620,875</b>	<b>\$ 682,305</b>	<b>\$ 707,515</b>	<b>\$ 702,575</b>	<b>\$ 20,270</b>	<b>2.97%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$20,270 from the FY20 Original Budget. Major variances are explained below.

- Personnel increased due to higher insurance costs.

## 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.

### FY2021 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	FY20	FY21	Difference
Administrative Technician	5.0	5.0	-
Assistant Construction Manager	1.0	1.0	-
Assistant Deputy (CIP)	0.9	0.9	-
Assistant Deputy (Engineering)	1.0	1.0	-
Construction Inspector I	19.0	19.0	-
Construction Inspector II	12.0	12.0	-
Construction Manager	1.0	1.0	-
Contracts Coordinator	1.0	1.0	-
Engineering Manager	2.0	2.0	-
Engineering Projects Coordinator	1.0	1.0	-
Engineering Technician	6.0	6.0	-
Graduate Engineer	2.0	2.0	-
I&E Construction Supervisor	1.0	1.0	-
Land Agent	2.0	2.0	-
Planning Program Manager	1.0	1.0	-
Professional Engineer	21.0	21.0	-
Professional Engineer (Wastewater Program Manager - in lieu of)	1.0	1.0	-
Project Support Supervisor	1.0	1.0	-
Real Estate Manager	1.0	1.0	-
Registered Surveyor	1.0	1.0	-
Reservoir Project Manager	1.0	1.0	-
Senior Construction Inspector	6.0	6.0	-
Solid Waste and Specialties Program Manager	1.0	1.0	-
Wastewater Program Manager	1.0	1.0	-
Water Conveyance Program Manager	1.0	1.0	-
Water Treatment Program Manager	1.0	1.0	-
<b>Total Full-Time Positions</b>	<b>91.9</b>	<b>91.9</b>	<b>-</b>

### Expense Detail

Engineering Department	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 6,873,140	\$ 7,805,585	\$ 7,870,225	\$ 7,910,855	\$ 105,270	1.35%
511060 - Overtime	131,803	153,000	153,000	153,000	-	0.00%
512000 - Social Security	516,510	586,270	577,870	595,690	9,420	1.61%
513000 - Workers' Comp Ins	40,860	47,510	50,320	40,340	(7,170)	-15.09%
513020 - Hospitalization Ins	1,080,121	1,170,180	1,216,535	1,285,175	114,995	9.83%
513040 - Dental Ins	58,757	61,745	64,140	65,595	3,850	6.24%

## Expense Detail (continued)

Engineering Department	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel (continued)</b>						
513060 - Life Ins	\$ 15,525	\$ 17,075	\$ 18,985	\$ 20,540	\$ 3,465	20.29%
514000 - Retirement	788,435	916,045	916,045	928,170	12,125	1.32%
514010 - Retiree - Insurance	160,840	159,820	159,820	161,935	2,115	1.32%
514020 - Comp Absences-vacation	38,215	40,045	40,045	18,615	(21,430)	-53.51%
514030 - Comp Absences-sick	11,750	107,720	107,720	-	(107,720)	-100.00%
515000 - Cell Phone Stipend	31,760	35,950	35,950	36,910	960	2.67%
<b>Personnel Total</b>	<b>\$ 9,747,716</b>	<b>\$11,100,945</b>	<b>\$11,210,655</b>	<b>\$11,216,825</b>	<b>\$ 115,880</b>	<b>1.04%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 11,267	\$ 40,440	\$ 40,440	\$ 40,440	-	0.00%
520110 - Computer Supplies	307,280	317,055	317,055	293,425	(23,630)	-7.45%
520200 - Xerox Supplies	18,221	15,425	15,425	15,425	-	0.00%
520300 - Clothing Supplies	28,653	29,210	29,210	26,970	(2,240)	-7.67%
520600 - Fuel, Oil and Lube	110,810	108,000	108,000	105,140	(2,860)	-2.65%
520630 - Toll Fees	6,551	7,200	7,200	7,000	(200)	-2.78%
520800 - Small Tools & Equip	5,271	13,300	13,300	13,300	-	0.00%
521110 - Safety Supplies	26,450	42,140	42,140	36,900	(5,240)	-12.43%
521500 - Mechanical Supplies	20	-	250	-	-	0.00%
521700 - Building Supplies	25,066	10,000	9,750	10,000	-	0.00%
521800 - Engineering Supplies	4,944	10,350	10,350	6,850	(3,500)	-33.82%
521900 - Vehicle Supplies	11,163	18,950	18,950	15,300	(3,650)	-19.26%
521910 - Tires and Tubes	8,610	16,500	16,500	16,500	-	0.00%
<b>Supplies Total</b>	<b>\$ 564,307</b>	<b>\$ 628,570</b>	<b>\$ 628,570</b>	<b>\$ 587,250</b>	<b>\$ (41,320)</b>	<b>-6.57%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 35,601	\$ 38,865	\$ 38,865	\$ 37,980	\$ (885)	-2.28%
531000 - Telephone	2,826	6,000	6,000	6,000	-	0.00%
531020 - Internet Service	37,188	43,660	43,660	50,380	6,720	15.39%
531100 - Electric Power	14,897	12,000	12,000	12,000	-	0.00%
531110 - Nat Gas, Butane & Kero	837	13,020	13,020	13,020	-	0.00%
531120 - Retail Water Service	660	7,920	7,920	7,920	-	0.00%
531300 - Engin/Consultant Svc	76,171	-	-	-	-	0.00%
531400 - Legal Service	21,219	10,000	10,000	18,000	8,000	80.00%
531700 - Advertising	6,615	20,000	20,000	20,000	-	0.00%
531800 - Rent or Lease Payment	9,400	8,400	8,400	11,400	3,000	35.71%
531900 - Travel and Training	48,008	100,655	40,655	53,475	(47,180)	-46.87%
532000 - Mem & Subscriptions	3,329	5,095	5,095	5,095	-	0.00%
532100 - Vehicle Maint	2,589	6,120	6,120	6,035	(85)	-1.39%
532110 - Veh Maint by Solid Waste	12,132	18,000	18,000	17,750	(250)	-1.39%
532300 - Postage	1,881	2,000	2,000	2,000	-	0.00%
532850 - Building Maintenance	87,449	15,000	15,000	15,000	-	0.00%
533020 - Contract Labor	156	-	-	-	-	0.00%
533300 - Maintenance Services	-	8,000	8,000	-	(8,000)	-100.00%
<b>Services Total</b>	<b>\$ 360,956</b>	<b>\$ 314,735</b>	<b>\$ 254,735</b>	<b>\$ 276,055</b>	<b>\$ (38,680)</b>	<b>-12.29%</b>

### Expense Detail (continued)

Engineering Department	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 128,238	\$ 192,500	\$ 192,500	\$ 77,000	(\$115,500)	-60.00%
<b>Capital Outlay Total</b>	<b>\$ 128,238</b>	<b>\$ 192,500</b>	<b>\$ 192,500</b>	<b>\$ 77,000</b>	<b>(\$115,500)</b>	<b>-60.00%</b>
<b>Grand Total</b>	<b>\$10,801,217</b>	<b>\$12,236,750</b>	<b>\$12,286,460</b>	<b>\$12,157,130</b>	<b>\$ (79,620)</b>	<b>-0.65%</b>

### Major FY21 Budget Items

The department's FY21 Proposed Budget has decreased by \$79,620 from the FY20 Original Budget. Major variances are explained below.

- Personnel increased due to higher insurance costs. Slightly higher wages were offset by lower Compensated Absences for sick and vacation.
- Computer supplies decreased based on forecasted needs.
- Travel/Training is lower due to restrictions related to the Covid-19 pandemic.
- Vehicle Equipment decreased related to no new hires needing a vehicle.

## 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.

### FY2021 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.
- 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	FY20	FY21	Difference
Assistant Deputy (CIP)	0.1	0.1	-
Environmental Manager	1.0	1.0	-
Permit Coordinator	1.0	1.0	-
<b>Total Full-Time Positions</b>	<b>2.1</b>	<b>2.1</b>	<b>-</b>

### Expense Detail

Permitting Department	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 223,547	\$ 250,160	\$ 252,710	\$ 245,950	\$ (4,210)	-1.68%
512000 - Social Security	16,552	18,755	18,635	18,810	55	0.29%
513000 - Workers' Comp Ins	2,775	3,025	2,910	2,530	(495)	-16.36%
513020 - Hospitalization Ins	28,961	27,100	28,210	29,000	1,900	7.01%
513040 - Dental Ins	1,411	1,495	1,520	1,535	40	2.68%
513060 - Life Ins	500	530	590	625	95	17.92%
514000 - Retirement	42,830	29,360	29,360	28,455	(905)	-3.08%
514010 - Retiree - Insurance	8,735	5,120	5,120	4,965	(155)	-3.03%
514020 - Comp Absences-vacation	6,525	-	-	-	-	0.00%
514030 - Comp Absences-sick	-	35,805	35,805	7,420	(28,385)	-79.28%
515000 - Cell Phone Stipend	1,000	1,010	1,010	1,010	-	0.00%
<b>Personnel Total</b>	<b>\$ 332,836</b>	<b>\$ 372,360</b>	<b>\$ 375,870</b>	<b>\$ 340,300</b>	<b>\$ (32,060)</b>	<b>-8.61%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 1,998	\$ 2,000	\$ 2,000	\$ 1,000	\$ (1,000)	-50.00%
520110 - Computer Supplies	3,948	5,440	5,440	1,910	(3,530)	-64.89%
520300 - Clothing Supplies	-	1,690	1,690	520	(1,170)	-69.23%
520600 - Fuel, Oil and Lube	777	1,500	1,500	750	(750)	-50.00%
520630 - Toll Fees	-	150	150	100	(50)	-33.33%
521110 - Safety Supplies	174	880	880	1,385	505	57.39%
521900 - Vehicle Supplies	27	200	200	200	-	0.00%
521910 - Tires and Tubes	-	350	350	350	-	0.00%
<b>Supplies Total</b>	<b>\$ 6,925</b>	<b>\$ 12,210</b>	<b>\$ 12,210</b>	<b>\$ 6,215</b>	<b>\$ (5,995)</b>	<b>-49.10%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 717	\$ 780	\$ 780	\$ 730	\$ (50)	-6.41%
531020 - Internet Service	1,081	1,080	1,080	1,080	-	0.00%
531300 - Engin/Consultant Svc	-	-	20,000	-	-	0.00%
531310 - Special Studies & Rpts	30,000	60,000	40,000	30,000	(30,000)	-50.00%
531400 - Legal Service	-	10,000	10,000	115,000	105,000	1050.00%
531490 - Raw Water Development	78,393	500,250	450,250	500,000	(250)	-0.05%
531900 - Travel and Training	5,042	13,400	3,400	13,400	-	0.00%
532000 - Mem & Subscriptions	1,339	1,050	1,050	1,225	175	16.67%
532100 - Vehicle Maint	9	-	-	-	-	0.00%
532110 - Veh Maint by Solid Waste	434	680	680	500	(180)	-26.47%
532300 - Postage	633	200	200	200	-	0.00%
<b>Services Total</b>	<b>\$ 117,647</b>	<b>\$ 587,440</b>	<b>\$ 527,440</b>	<b>\$ 662,135</b>	<b>\$ 74,695</b>	<b>12.72%</b>
<b>Grand Total</b>	<b>\$ 457,409</b>	<b>\$ 972,010</b>	<b>\$ 915,520</b>	<b>\$ 1,008,650</b>	<b>\$ 36,640</b>	<b>3.77%</b>

### Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$36,640 from the FY20 Original Budget. Major variances are explained below.

- Personnel decreased due to lower forecasted Compensated Absences - Sick.
- Legal Service increased for regionalization and source water protection.

## 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.

### FY2021 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	FY20	FY21	Difference
Assistant Deputy (Maintenance)	0.1	0.1	-
Control Systems Manager	1.0	1.0	-
Control Systems Senior Technician	4.0	4.0	-
Control Systems Supervisor	1.0	1.0	-
Control Systems Technician	1.0	1.0	-
Graduate Engineer	1.0	1.0	-
Information Technology Supervisor (Control Systems Sr Tech - In Lieu Of)	1.0	1.0	-
<b>Total Full-Time Positions</b>	<b>9.1</b>	<b>9.1</b>	<b>-</b>

### Expense Detail

Control Systems Department	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ -	\$ 742,305	\$ 746,785	\$ 758,630	\$ 16,325	2.20%
511060 - Overtime	-	12,500	12,500	30,000	17,500	140.00%
512000 - Social Security	-	55,120	54,265	56,670	1,550	2.81%

## Expense Detail (continued)

Control Systems Department	2018-19	2019-20	2019-20	2020-21	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	\$ -	\$ 6,425	\$ 1,415	\$ 1,255	\$ (5,170)	-80.47%
513020 - Hospitalization Ins	-	78,710	108,700	116,000	37,290	47.38%
513040 - Dental Ins	-	2,320	4,050	4,635	2,315	99.78%
513060 - Life Ins	-	1,630	1,810	1,975	345	21.17%
514000 - Retirement	-	87,115	87,115	88,130	1,015	1.17%
514010 - Retiree - Insurance	-	15,200	15,200	15,375	175	1.15%
514020 - Comp Absences-vacation	-	12,740	12,740	3,510	(9,230)	-72.45%
515000 - Cell Phone Stipend	-	3,410	3,410	3,890	480	14.08%
<b>Personnel Total</b>	<b>\$ -</b>	<b>\$ 1,017,475</b>	<b>\$ 1,047,990</b>	<b>\$ 1,080,070</b>	<b>\$ 62,595</b>	<b>6.15%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ -	\$ 1,000	\$ 1,000	\$ 1,130	\$ 130	13.00%
520110 - Computer Supplies	-	240,000	216,000	230,000	(10,000)	-4.17%
520300 - Clothing Supplies	-	1,800	1,800	1,800	-	0.00%
520600 - Fuel, Oil and Lube	-	4,000	4,000	4,000	-	0.00%
520800 - Small Tools & Equip	-	600	600	600	-	0.00%
520820 - Expendable Supplies	-	250	250	350	100	40.00%
521100 - Medical Supplies	-	200	200	200	-	0.00%
521110 - Safety Supplies	-	3,130	3,130	3,130	-	0.00%
521900 - Vehicle Supplies	-	1,100	1,100	1,100	-	0.00%
521910 - Tires and Tubes	-	1,500	1,500	1,500	-	0.00%
<b>Supplies Total</b>	<b>\$ -</b>	<b>\$ 253,580</b>	<b>\$ 229,580</b>	<b>\$ 243,810</b>	<b>\$ (9,770)</b>	<b>-3.85%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ -	\$ 3,210	\$ 3,210	\$ 2,825	\$ (385)	-11.99%
531020 - Internet Service	-	4,320	4,320	4,320	-	0.00%
531310 - Special Studies & Rpts	-	250,000	250,000	270,000	20,000	8.00%
531600 - Printing & Binding	-	-	-	130	130	0.00%
531900 - Travel and Training	-	16,500	16,500	20,500	4,000	24.24%
532000 - Mem & Subscriptions	-	1,140	1,140	1,550	410	35.96%
532100 - Vehicle Maint	-	1,585	1,585	1,585	-	0.00%
532110 - Veh Maint by Solid Waste	-	3,000	3,000	3,000	-	0.00%
533020 - Contract Labor	-	15,000	15,000	15,000	-	0.00%
<b>Services Total</b>	<b>\$ -</b>	<b>\$ 294,755</b>	<b>\$ 294,755</b>	<b>\$ 318,910</b>	<b>\$ 24,155</b>	<b>8.19%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ -	\$ -	\$ 24,000	\$ -	\$ -	0.00%
<b>Capital Outlay Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 24,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
<b>Grand Total</b>	<b>\$ -</b>	<b>\$ 1,565,810</b>	<b>\$ 1,596,325</b>	<b>\$ 1,642,790</b>	<b>\$ 76,980</b>	<b>4.92%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$76,980 from the FY20 Original Budget. Major variances are explained below.

- Personnel increased due to historical overtime spending as well as higher insurance costs.
- Special Studies and Reports is higher related to the second phase of the SCADA roadmap update.

## 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.

### FY2021 Department Objectives (Supporting Strategic Goals)

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

- Enhance system reliability and efficiency.
- Establish and resource Regional Maintenance Facilities.
- Continue to support the Wastewater System CMOM plan.
- 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.
- Continuously improve and expand preventative and predictive maintenance program strategies.

#### **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**

- Work with and support Training and Development Manager to establish and implement required industry related education strategy.
- Continue to work with and support the District 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	FY20	FY21	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	6.00	-
Electrical Maintenance Manager	0.50	0.50	-
Facilities Services Manager	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 - 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 - 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>64.45</b>	<b>-</b>

### Expense Detail

Facilities Services Department	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 3,023,656	\$ 3,415,515	\$ 3,409,600	\$ 3,375,680	\$ (39,835)	-1.17%
511060 - Overtime	518,569	327,500	477,500	415,000	87,500	26.72%
512000 - Social Security	262,253	261,275	266,230	258,255	(3,020)	-1.16%
513000 - Workers' Comp Ins	112,253	116,615	107,695	90,705	(25,910)	-22.22%
513010 - Unemployment Ins	7,316	-	-	-	-	0.00%
513020 - Hospitalization Ins	707,068	751,605	809,730	864,740	113,135	15.05%
513040 - Dental Ins	37,267	38,955	41,830	43,110	4,155	10.67%
513060 - Life Ins	7,340	7,980	8,630	9,340	1,360	17.04%
514000 - Retirement	363,940	400,835	400,835	394,080	(6,755)	-1.69%

## Expense Detail (continued)

Facilities Services Department	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel (continued)</b>						
514010 - Retiree - Insurance	\$ 74,245	\$ 69,935	\$ 69,935	\$ 68,755	\$ (1,180)	-1.69%
514020 - Comp Absences-vacation	17,480	21,980	21,980	44,850	22,870	104.05%
514030 - Comp Absences-sick	67,525	-	-	44,055	44,055	0.00%
515000 - Cell Phone Stipend	28,080	30,935	30,935	30,935	-	0.00%
<b>Personnel Total</b>	<b>\$ 5,226,992</b>	<b>\$ 5,443,130</b>	<b>\$ 5,644,900</b>	<b>\$ 5,639,505</b>	<b>\$ 196,375</b>	<b>3.61%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 10,204	\$ 3,500	\$ 3,500	\$ 3,500	\$ -	0.00%
520110 - Computer Supplies	29,431	35,135	39,635	35,445	310	0.88%
520200 - Xerox Supplies	5,770	5,000	5,000	8,000	3,000	60.00%
520300 - Clothing Supplies	38,722	36,000	42,000	36,000	-	0.00%
520600 - Fuel, Oil and Lube	158,550	160,000	140,000	160,000	-	0.00%
520620 - Fuel Control	15,260	-	-	-	-	0.00%
520630 - Toll Fees	-	-	12,000	-	-	0.00%
520700 - Machine Oil & Lube	4,732	3,885	3,885	3,885	-	0.00%
520800 - Small Tools & Equip	83,756	57,100	64,600	62,600	5,500	9.63%
520810 - Fire Extinguishers	615	800	800	800	-	0.00%
520820 - Expendable Supplies	16,321	10,000	15,000	10,000	-	0.00%
520900 - Janitorial Supplies	30,888	25,000	25,000	25,000	-	0.00%
521100 - Medical Supplies	1,090	900	1,400	900	-	0.00%
521110 - Safety Supplies	40,474	60,835	70,835	79,000	18,165	29.86%
521200 - Chem - Other	13,040	26,995	16,995	26,995	-	0.00%
521300 - Botanical Supplies	10,102	13,100	13,100	18,000	4,900	37.40%
521400 - Electrical Supplies	80,062	64,200	44,200	64,200	-	0.00%
521500 - Mechanical Supplies	22,833	55,000	55,000	55,000	-	0.00%
521600 - Pipeline Supplies	512,572	414,065	564,065	500,000	85,935	20.75%
521610 - Meter Supplies	115,268	66,800	66,800	66,800	-	0.00%
521700 - Building Supplies	15,054	21,000	45,000	30,000	9,000	42.86%
521900 - Vehicle Supplies	39,759	28,000	38,000	28,000	-	0.00%
521910 - Tires and Tubes	35,013	20,000	23,500	20,000	-	0.00%
522000 - Equipment Supplies	66,878	50,000	50,000	50,000	-	0.00%
<b>Supplies Total</b>	<b>\$ 1,346,394</b>	<b>\$ 1,157,315</b>	<b>\$ 1,340,315</b>	<b>\$ 1,284,125</b>	<b>\$ 126,810</b>	<b>10.96%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 54,221	\$ 56,305	\$ 56,305	\$ 55,410	\$ (895)	-1.59%
530400 - Fire & Exten Cov Ins	38,449	45,575	45,575	56,005	10,430	22.89%
531000 - Telephone	225	32,865	12,865	32,865	-	0.00%
531020 - Internet Service	12,505	15,120	15,120	19,800	4,680	30.95%
531100 - Electric Power	5,688,390	-	-	-	-	0.00%
531110 - Nat Gas, Butane & Kero	1,867	2,800	2,800	2,800	-	0.00%
531310 - Special Studies & Rpts	100,086	-	-	100,000	100,000	0.00%
531700 - Advertising	197	500	750	500	-	0.00%
531800 - Rent or Lease Payment	89,815	45,000	70,000	45,000	-	0.00%
531900 - Travel and Training	18,981	11,920	13,420	14,420	2,500	20.97%
532000 - Mem & Subscriptions	335	450	450	450	-	0.00%
532100 - Vehicle Maint	23,194	7,785	30,285	7,785	-	0.00%

## Expense Detail (continued)

Facilities Services Department	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services (continued)</b>						
532110 - Veh Maint by Solid Waste	\$ 23,282	\$ 11,500	\$ 11,500	\$ 11,500	\$ -	0.00%
532200 - Equipment Maintenance	526,868	865,380	695,620	865,380	-	0.00%
532210 - Special Maintenance	4,635	20,000	61,000	50,000	30,000	150.00%
532220 - Pipeline Maintenance	426,777	700,000	302,235	700,000	-	0.00%
532300 - Postage	-	250	250	250	-	0.00%
532800 - Grounds Maintenance	98,461	86,200	151,200	100,200	14,000	16.24%
532850 - Building Maintenance	36,955	8,200	8,200	16,400	8,200	100.00%
533000 - Other Services	4,999	9,600	9,600	10,000	400	4.17%
533030 - Contractual Safety Serv	2,450	-	-	-	-	0.00%
533900 - Permits, Ins, & Lic Fees	2,229	3,200	3,200	3,200	-	0.00%
534000 - Uninsured losses	2,360	-	4,315	-	-	0.00%
<b>Services Total</b>	<b>\$ 7,157,279</b>	<b>\$ 1,922,650</b>	<b>\$ 1,494,690</b>	<b>\$ 2,091,965</b>	<b>\$ 169,315</b>	<b>8.81%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 47,327	\$ 358,000	\$ 433,200	\$ 55,000	(\$303,000)	-84.64%
540700 - Non-Vehicle Equipment	49,886	435,500	435,500	275,500	(160,000)	-36.74%
<b>Capital Outlay Total</b>	<b>\$ 97,213</b>	<b>\$ 793,500</b>	<b>\$ 868,700</b>	<b>\$ 330,500</b>	<b>\$ (463,000)</b>	<b>-58.35%</b>
<b>Grand Total</b>	<b>\$13,827,877</b>	<b>\$ 9,316,595</b>	<b>\$ 9,348,605</b>	<b>\$ 9,346,095</b>	<b>\$ 29,500</b>	<b>0.32%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$29,500 from the FY20 Original Budget. Major variances are explained below.

- Personnel increased due to higher insurance costs and historical overtime trends.
- Pipeline Supplies increased to support the new air release valve program.
- Safety Supplies are higher as part the replacement program for harnesses and gas meters.
- Special Studies and Reports increased for the standard specifications program.
- Special Maintenance has gone up for additional expenses related to the tank cleaning program.
- Capital Outlay has decreased based on lower Vehicle and Non-Vehicle Equipment replacements.

## 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 acts as a support function to the Water, Wastewater and Solid Waste Services. 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. This 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 provides support to the daily operations of the District 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 Supervisory Controls and Data Acquisition (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 preventive maintenance (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.

### FY2021 Department Objectives (Supporting Strategic Goals)

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

- Work with and support the Purchasing Department Manager to establish maintenance contracts with outside vendors.
- Continuously improve and expand preventative and predictive maintenance program strategies.

#### **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**

- Work with and support Training and Development Manager to establish and implement required industry related education strategy.
- Continue to work with and support the District Health and Safety Manager to establish and apply sound industry driven safety standards.

## Major Budget Drivers

- Personnel
- Maximo Licensing
- Vehicle & Equipment Replacements

## Position Summary

Technical Services Department			
Full-Time Positions	FY20	FY21	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	-
Instrumentation Superintendent	1.00	1.00	-
Instrumentation Technician	6.00	6.00	-
Instrumentation Technician II	2.00	2.00	-
Lead Technical Services Mechanic	6.00	6.00	-
Lead Welder	1.00	1.00	-
Maintenance Engineer / Asset Risk Manager	0.50	0.50	-
Maintenance Manager	0.50	0.50	-
Maintenance Shop Assistant	9.00	8.00	(1.00)
Maintenance Superintendent (Leonard)	-	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	1.00	1.00	-
Technical Services Mechanic	11.00	11.00	-
Welder	5.00	5.00	-
<b>Total Full-Time Positions</b>	<b>95.45</b>	<b>95.45</b>	<b>-</b>

Expense Detail

Technical Services Department	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 6,268,024	\$ 6,273,630	\$ 6,286,035	\$ 6,253,950	\$ (19,680)	-0.31%
511060 - Overtime	755,065	515,000	690,000	515,000	-	0.00%
512000 - Social Security	515,564	479,895	484,370	478,430	(1,465)	-0.31%
513000 - Workers' Comp Ins	191,520	198,800	194,125	167,145	(31,655)	-15.92%
513010 - Unemployment Ins	3,557	-	-	-	-	0.00%
513020 - Hospitalization Ins	1,313,806	1,312,780	1,397,490	1,445,770	132,990	10.13%
513040 - Dental Ins	70,723	71,785	75,465	76,285	4,500	6.27%
513060 - Life Ins	14,477	14,075	15,595	16,710	2,635	18.72%
514000 - Retirement	688,920	736,260	736,260	730,450	(5,810)	-0.79%
514010 - Retiree - Insurance	140,540	128,450	128,450	127,440	(1,010)	-0.79%
514020 - Comp Absences-vacation	35,760	38,945	38,945	55,295	16,350	41.98%
514030 - Comp Absences-sick	40,005	129,945	129,945	88,360	(41,585)	-32.00%
515000 - Cell Phone Stipend	43,320	43,895	43,895	44,735	840	1.91%
<b>Personnel Total</b>	<b>\$10,081,281</b>	<b>\$ 9,943,460</b>	<b>\$10,220,575</b>	<b>\$ 9,999,570</b>	<b>\$ 56,110</b>	<b>0.56%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 4,580	\$ 4,000	\$ 4,000	\$ 4,000	\$ -	0.00%
520110 - Computer Supplies	162,827	74,775	74,775	74,775	-	0.00%
520200 - Xerox Supplies	5,481	4,000	8,250	7,500	3,500	87.50%
520300 - Clothing Supplies	66,310	60,370	75,370	61,870	1,500	2.48%
520600 - Fuel, Oil and Lube	142,069	183,500	113,500	183,500	-	0.00%
520630 - Toll Fees	-	-	9,000	-	-	0.00%
520700 - Machine Oil & Lube	879	2,975	2,975	2,975	-	0.00%
520800 - Small Tools & Equip	71,873	74,400	89,400	76,400	2,000	2.69%
520810 - Fire Extinguishers	230	700	700	700	-	0.00%
520820 - Expendable Supplies	34,285	18,500	36,500	18,500	-	0.00%
521100 - Medical Supplies	1,146	1,000	1,000	1,000	-	0.00%
521110 - Safety Supplies	88,176	68,850	128,850	89,000	20,150	29.27%
521400 - Electrical Supplies	36,563	40,000	40,000	40,000	-	0.00%
521500 - Mechanical Supplies	11,838	10,000	10,000	10,000	-	0.00%
521610 - Meter Supplies	67	-	2,400	-	-	0.00%
521700 - Building Supplies	9,632	11,500	11,500	11,500	-	0.00%
521900 - Vehicle Supplies	27,173	26,100	39,100	26,100	-	0.00%
521910 - Tires and Tubes	17,401	21,740	21,740	21,740	-	0.00%
522000 - Equipment Supplies	19,701	6,500	6,500	6,500	-	0.00%
522100 - Welding Supplies	19,540	20,000	20,000	20,000	-	0.00%
<b>Supplies Total</b>	<b>\$ 719,771</b>	<b>\$ 628,910</b>	<b>\$ 695,560</b>	<b>\$ 656,060</b>	<b>\$ 27,150</b>	<b>4.32%</b>

## Expense Detail (continued)

Technical Services Department	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
530300 - Automotive Insurance	\$ 53,265	\$ 51,495	\$ 51,495	\$ 55,225	\$ 3,730	7.24%
530400 - Fire & Exten Cov Ins	4,128	4,895	4,895	4,610	(285)	-5.82%
531000 - Telephone	2,507	3,000	5,400	7,800	4,800	160.00%
531020 - Internet Service	37,053	26,300	26,300	45,200	18,900	71.86%
531100 - Electric Power	-	5,000	5,000	5,000	-	0.00%
531110 - Nat Gas, Butane & Kero	3,062	3,000	3,000	3,000	-	0.00%
531120 - Retail Water Service	-	3,000	3,000	3,000	-	0.00%
531400 - Legal Service	765	-	-	-	-	0.00%
531700 - Advertising	403	500	500	500	-	0.00%
531800 - Rent or Lease Payment	19,398	40,000	40,000	40,000	-	0.00%
531900 - Travel and Training	34,623	42,000	32,000	33,500	(8,500)	-20.24%
532000 - Mem & Subscriptions	345	2,640	2,640	2,640	-	0.00%
532100 - Vehicle Maint	29,259	15,055	38,055	15,055	-	0.00%
532110 - Veh Maint by Solid Waste	19,625	15,000	23,000	15,000	-	0.00%
532200 - Equipment Maintenance	285,320	143,500	143,500	143,500	-	0.00%
532210 - Special Maintenance	-	-	1,600	-	-	0.00%
532300 - Postage	73	200	200	200	-	0.00%
532850 - Building Maintenance	30,753	22,500	28,000	22,500	-	0.00%
533020 - Contract Labor	7,749	-	-	-	-	0.00%
533030 - Contractual Safety Serv	2,815	1,800	1,800	1,800	-	0.00%
534000 - Uninsured losses	(737)	-	(14,010)	-	-	0.00%
<b>Services Total</b>	<b>\$ 530,404</b>	<b>\$ 379,885</b>	<b>\$ 396,375</b>	<b>\$ 398,530</b>	<b>\$ 18,645</b>	<b>4.91%</b>
<b>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ 272,135	\$ 203,000	\$ 281,010	\$ 1,027,000	\$ 824,000	405.91%
540700 - Non-Vehicle Equipment	135,487	61,500	70,110	-	(61,500)	-100.00%
<b>Capital Outlay Total</b>	<b>\$ 407,622</b>	<b>\$ 264,500</b>	<b>\$ 351,120</b>	<b>\$ 1,027,000</b>	<b>\$ 762,500</b>	<b>288.28%</b>
<b>Grand Total</b>	<b>\$11,739,078</b>	<b>\$11,216,755</b>	<b>\$11,663,630</b>	<b>\$12,081,160</b>	<b>\$ 864,405</b>	<b>7.71%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$864,405 from the FY20 Original Budget. Major variances are explained below.

- Personnel has increased for higher insurance costs.
- Vehicle Equipment is being driven up by some major equipment replacements including: a crane truck, a mini excavator, a tractor, a flatbed trailer and 8 utility bed trucks.

## 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 worker’s compensation), staff development and training, corrective action and legal compliance.

### FY2021 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	FY20	FY21	Difference
Assistant Deputy (HR & Admin)	0.5	0.5	-
Assistant Human Resources Manager	1.0	1.0	-
HR Specialist	1.0	1.0	-
Human Resources Manager	1.0	1.0	-
Human Resources Technician	4.0	4.0	-
Human Resources Trainer	1.0	1.0	-
Receptionist	2.0	2.0	-
Wellness and Benefits Administrator	1.0	1.0	-
<b>Total Full-Time Positions</b>	<b>11.5</b>	<b>11.5</b>	<b>-</b>

### Expense Detail

Human Resources Department	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ -	\$ 867,545	\$ 863,550	\$ 870,440	\$ 2,895	0.33%
511060 - Overtime	-	-	7,000	7,000	7,000	0.00%
512000 - Social Security	-	65,820	64,380	66,330	510	0.77%
513000 - Workers' Comp Ins	-	1,675	1,660	1,440	(235)	-14.03%
513020 - Hospitalization Ins	-	136,795	151,290	155,130	18,335	13.40%
513040 - Dental Ins	-	8,035	8,195	8,110	75	0.93%
513060 - Life Ins	-	1,930	2,210	2,295	365	18.91%
514000 - Retirement	-	101,815	101,815	100,710	(1,105)	-1.09%
514010 - Retiree - Insurance	-	17,765	17,765	17,570	(195)	-1.10%
514020 - Comp Absences-vacation	-	7,460	7,460	15,035	7,575	101.54%
514030 - Comp Absences-sick	-	27,885	27,885	19,010	(8,875)	-31.83%
515000 - Cell Phone Stipend	-	2,160	2,160	2,160	-	0.00%
<b>Personnel Total</b>	<b>\$ -</b>	<b>\$ 1,238,885</b>	<b>\$ 1,255,370</b>	<b>\$ 1,265,230</b>	<b>\$ 26,345</b>	<b>2.13%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ -	\$ 4,045	\$ 4,045	\$ 6,945	\$ 2,900	71.69%
520110 - Computer Supplies	-	3,830	3,830	3,830	-	0.00%
520600 - Fuel, Oil and Lube	-	1,700	1,700	1,700	-	0.00%
520630 - Toll Fees	-	200	200	200	-	0.00%
521900 - Vehicle Supplies	-	300	300	300	-	0.00%
<b>Supplies Total</b>	<b>\$ -</b>	<b>\$ 10,075</b>	<b>\$ 10,075</b>	<b>\$ 12,975</b>	<b>\$ 2,900</b>	<b>28.78%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ -	\$ 800	\$ 800	\$ 745	\$ (55)	-6.88%
531020 - Internet Service	-	1,440	1,440	1,440	-	0.00%
531310 - Special Studies & Rpts	-	21,500	21,500	21,500	-	0.00%
531400 - Legal Service	-	8,000	18,000	8,000	-	0.00%
531520 - Employee Programs	-	165,015	165,015	275,015	110,000	66.66%
531600 - Printing & Binding	-	800	800	800	-	0.00%
531700 - Advertising	-	6,000	6,000	6,000	-	0.00%
531800 - Rent or Lease Payment	-	10,320	10,320	10,320	-	0.00%
531900 - Travel and Training	-	26,900	16,900	26,900	-	0.00%
532000 - Mem & Subscriptions	-	1,960	1,960	1,960	-	0.00%
532110 - Veh Maint by Solid Waste	-	300	300	300	-	0.00%
533000 - Other Services	-	9,000	49,000	10,000	1,000	11.11%
533920 - Regulatory Fees & Asses	-	4,000	4,000	5,000	1,000	25.00%
<b>Services Total</b>	<b>\$ -</b>	<b>\$ 256,035</b>	<b>\$ 296,035</b>	<b>\$ 367,980</b>	<b>\$ 111,945</b>	<b>43.72%</b>
<b>Grand Total</b>	<b>\$ -</b>	<b>\$ 1,504,995</b>	<b>\$ 1,561,480</b>	<b>\$ 1,646,185</b>	<b>\$ 141,190</b>	<b>9.38%</b>

### Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$141,190 from the FY20 Original Budget. Major variances are explained below.

- Prior to FY20 the Accounting, Finance, Human Resources, Purchasing & Records departments were combined into one large Administration department. Beginning in FY20 those departments are now split out.
- Personnel has increased based on higher insurance costs and Employee Programs are higher driven by employee assessments.

## Records Department

### Overview

The Records Department is responsible for managing the District's records as required by the 1989 Local Government Records Act and the Texas Public Information Act. The department manages and audits how current records are captured throughout the District. In addition, the department scans legacy records into our electronic records management system (ERMS).

### FY2021 Department Objectives (Supporting Strategic Goals)

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

- Administrate Laserfiche software (ECRM) to provide employees quick and easy access to the District's records.
- Expand the use of Laserfiche Forms and Workflow to convert traditional paper business processes to a digital platform resulting in increased processing efficiencies and the automatic routing and capture of District records.
- 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

- Train District office employees to effectively use Laserfiche as a source supporting the District's efforts to promote policy and regulatory compliance as well as making well-informed decisions.
- Educate employees about digital solutions that can replace traditional paper processes.
- Educate Records Liaisons to promote competent records management within their departments.
- Obtain 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

### Position Summary

Records Department			
Full-Time Positions	FY20	FY21	Difference
Assistant Deputy (HR & Admin)	0.1	0.1	-
Records Specialist (Digital Process Designer - In Lieu Of)	1.0	1.0	-
Records Manager	1.0	1.0	-
Records Technician	4.0	4.0	-
<b>Total Full-Time Positions</b>	<b>6.1</b>	<b>6.1</b>	<b>-</b>

## Expense Detail

Records Department	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ -	\$ 422,000	\$ 412,300	\$ 421,140	\$ (860)	-0.20%
511060 - Overtime	-	-	14,000	-	-	0.00%
512000 - Social Security	-	32,285	30,755	32,215	(70)	-0.22%
513000 - Workers' Comp Ins	-	815	785	695	(120)	-14.72%
513020 - Hospitalization Ins	-	83,195	79,375	80,285	(2,910)	-3.50%
513040 - Dental Ins	-	4,290	4,035	4,020	(270)	-6.29%
513060 - Life Ins	-	950	1,045	1,120	170	17.89%
514000 - Retirement	-	49,525	49,525	48,725	(800)	-1.62%
514010 - Retiree - Insurance	-	8,640	8,640	8,500	(140)	-1.62%
514020 - Comp Absences-vacation	-	2,185	2,185	6,185	4,000	183.07%
515000 - Cell Phone Stipend	-	530	530	530	-	0.00%
<b>Personnel Total</b>	<b>\$ -</b>	<b>\$ 604,415</b>	<b>\$ 603,175</b>	<b>\$ 603,415</b>	<b>\$ (1,000)</b>	<b>-0.17%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ -	\$ 905	\$ 905	\$ 905	\$ -	0.00%
520110 - Computer Supplies	-	76,860	69,860	75,100	(1,760)	-2.29%
<b>Supplies Total</b>	<b>\$ -</b>	<b>\$ 77,765</b>	<b>\$ 70,765</b>	<b>\$ 76,005</b>	<b>\$ (1,760)</b>	<b>-2.26%</b>
<b>Services</b>						
531020 - Internet Service	\$ -	\$ 480	\$ 480	\$ 480	\$ -	0.00%
531800 - Rent or Lease Payment	-	7,140	7,140	12,500	5,360	75.07%
531900 - Travel and Training	-	16,280	9,090	5,820	(10,460)	-64.25%
532000 - Mem & Subscriptions	-	620	1,810	620	-	0.00%
533000 - Other Services	-	52,200	14,200	4,900	(47,300)	-90.61%
533020 - Contract Labor	-	-	32,560	51,850	51,850	0.00%
<b>Services Total</b>	<b>\$ -</b>	<b>\$ 76,720</b>	<b>\$ 65,280</b>	<b>\$ 76,170</b>	<b>\$ (550)</b>	<b>-0.72%</b>
<b>Grand Total</b>	<b>\$ -</b>	<b>\$ 758,900</b>	<b>\$ 739,220</b>	<b>\$ 755,590</b>	<b>\$ (3,310)</b>	<b>-0.44%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has decreased by \$3,310 from the FY20 Original Budget. Major variances are explained below.

- Prior to FY20 the Accounting, Finance, Human Resources, Purchasing and Records departments were combined into one large Administration department. Beginning in FY20 those departments are now split out.
- No major changes to the FY21 budget.

## 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 and Risk Management (insurance) Business Functions.

### FY2021 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 construct and operate the Leonard Water Treatment Plant.

#### 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.

#### 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	FY20	FY21	Difference
Administrative Assistant	1.0	1.0	-
Assistant Deputy (HR & Admin)	0.4	0.4	-
Emergency Operations Program Manager	1.0	1.0	-
Health & Safety Manager	1.0	1.0	-
Safety Coordinator (Emergency Operations)	1.0	1.0	-
Safety Coordinator (SW & Maint)	1.0	1.0	-
Safety Coordinator (Training)	1.0	1.0	-
Safety Coordinator (Wastewater)	1.0	1.0	-
Safety Coordinator (Water)	1.0	1.0	-
<b>Total Full-Time Positions</b>	<b>8.4</b>	<b>8.4</b>	<b>-</b>

Expense Detail

Safety Department	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 445,728	\$ 726,985	\$ 777,110	\$ 795,030	\$ 68,045	9.36%
512000 - Social Security	31,953	54,020	55,330	59,530	5,510	10.20%
513000 - Workers' Comp Ins	8,395	12,060	12,445	11,805	(255)	-2.11%
513020 - Hospitalization Ins	81,954	115,970	113,975	113,810	(2,160)	-1.86%
513040 - Dental Ins	4,821	6,295	6,515	6,480	185	2.94%
513060 - Life Ins	964	1,590	1,830	2,035	445	27.99%
514000 - Retirement	41,070	85,315	85,315	91,290	5,975	7.00%
514010 - Retiree - Insurance	8,380	14,885	14,885	15,925	1,040	6.99%
514020 - Comp Absences-vacation	2,880	14,330	14,330	8,780	(5,550)	-38.73%
514030 - Comp Absences-sick	2,100	2,805	2,805	13,390	10,585	377.36%
515000 - Cell Phone Stipend	2,400	4,030	4,030	3,550	(480)	-11.91%
<b>Personnel Total</b>	<b>\$ 630,646</b>	<b>\$ 1,038,285</b>	<b>\$ 1,088,570</b>	<b>\$ 1,121,625</b>	<b>\$ 83,340</b>	<b>8.03%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 9,608	\$ 16,275	\$ 8,625	\$ 17,025	\$ 750	4.61%
520110 - Computer Supplies	48,647	50,250	50,250	50,000	(250)	-0.50%
520300 - Clothing Supplies	-	-	265	-	-	0.00%
520600 - Fuel, Oil and Lube	2,965	9,615	9,615	9,615	-	0.00%
520630 - Toll Fees	317	450	450	450	-	0.00%
520800 - Small Tools & Equip	40,391	33,600	57,600	34,300	700	2.08%
521110 - Safety Supplies	38,197	32,675	66,635	32,675	-	0.00%
521900 - Vehicle Supplies	581	2,800	2,800	2,800	-	0.00%
521910 - Tires and Tubes	736	1,400	1,400	1,400	-	0.00%
<b>Supplies Total</b>	<b>\$ 141,443</b>	<b>\$ 147,065</b>	<b>\$ 197,640</b>	<b>\$ 148,265</b>	<b>\$ 1,200</b>	<b>0.82%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 1,433	\$ 3,405	\$ 3,405	\$ 4,595	\$ 1,190	34.95%
531020 - Internet Service	3,354	3,360	5,410	3,840	480	14.29%
531300 - Engin/Consultant Svc	-	-	-	20,000	20,000	0.00%
531400 - Legal Service	36,255	-	-	-	-	0.00%
531700 - Advertising	948	500	500	-	(500)	-100.00%
531800 - Rent or Lease Payment	2,933	6,000	6,000	6,000	-	0.00%
531900 - Travel and Training	34,537	38,450	28,450	26,410	(12,040)	-31.31%
532000 - Mem & Subscriptions	1,836	3,200	3,200	3,195	(5)	-0.16%
532100 - Vehicle Maint	34	2,000	2,000	2,000	-	0.00%
532110 - Veh Maint by Solid Waste	896	2,000	2,000	2,000	-	0.00%
533000 - Other Services	-	-	-	98,000	98,000	0.00%
533020 - Contract Labor	19,170	40,000	30,915	30,000	(10,000)	-25.00%
533030 - Contractual Safety Serv	240,207	256,000	217,600	257,900	1,900	0.74%
534200 - Plant Security Services	-	-	-	100,000	100,000	0.00%
<b>Services Total</b>	<b>\$ 341,603</b>	<b>\$ 354,915</b>	<b>\$ 299,480</b>	<b>\$ 553,940</b>	<b>\$ 199,025</b>	<b>56.08%</b>

## Expense Detail (continued)

Safety Department	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>Capital Outlay</b>						
540300 - Vehicle Equipment	\$ -	\$ 157,500	\$ 142,360	\$ 313,500	\$ 156,000	99.05%
540700 - Non-Vehicle Equipment	-	-	-	45,000	45,000	0.00%
<b>Capital Outlay Total</b>	<b>\$ -</b>	<b>\$ 157,500</b>	<b>\$ 142,360</b>	<b>\$ 358,500</b>	<b>\$ 201,000</b>	<b>127.62%</b>
<b>Grand Total</b>	<b>\$ 1,113,692</b>	<b>\$ 1,697,765</b>	<b>\$ 1,728,050</b>	<b>\$ 2,182,330</b>	<b>\$ 484,565</b>	<b>28.54%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$484,565 from the FY20 Original Budget. Major variances are explained below.

- Other Services increased for programming phones for a plant wide PA System and installing a web based RFID Personnel Tracking System.
- Plant Security Services has gone up to allow for a uniformed police officer at the Admin/Engineering/IT/Lab buildings.
- Vehicle Equipment is driven higher primarily by the purchase of a HazMat trailer that will be used during HazMat responses.
- Non-Vehicle Equipment increased for a Self-contained Breathing Apparatus (SCBA) Bottle Refill Compressor to allow the District to fill their own SCBA Bottles.

## 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 (CAFR).

### FY2021 Department Objectives (Supporting Strategic Goals)

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

- Produce the CAFR 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	FY20	FY21	Difference
Accounting Manager	1.0	1.0	-
Accounting Technician	5.0	5.0	-
Accounts Payable Supervisor	1.0	1.0	-
Accounts Receivable Specialist	1.0	1.0	-
Assistant Accounting Manager	1.0	1.0	-
Assistant Deputy (Finance)	0.5	0.5	-
Financial Reporting Accountant	1.0	1.0	-
Payroll Supervisor	1.0	1.0	-
Senior Accountant	1.0	1.0	-
Senior Project Accountant	1.0	1.0	-
Staff Accountant	2.0	2.0	-
<b>Total Full-Time Positions</b>	<b>15.5</b>	<b>15.5</b>	<b>-</b>

## Expense Detail

Accounting Department	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ -	\$ 1,284,410	\$ 1,272,540	\$ 1,282,040	\$ (2,370)	-0.18%
511060 - Overtime	-	27,655	27,655	27,655	-	0.00%
512000 - Social Security	-	95,945	90,565	97,665	1,720	1.79%
513000 - Workers' Comp Ins	-	2,490	2,365	2,120	(370)	-14.86%
513020 - Hospitalization Ins	-	166,275	190,600	197,745	31,470	18.93%
513040 - Dental Ins	-	9,695	11,270	11,195	1,500	15.47%
513060 - Life Ins	-	2,805	3,045	3,340	535	19.07%
514000 - Retirement	-	150,735	150,735	148,005	(2,730)	-1.81%
514010 - Retiree - Insurance	-	26,300	26,300	25,820	(480)	-1.83%
514020 - Comp Absences-vacation	-	10,365	10,365	16,815	6,450	62.23%
514030 - Comp Absences-sick	-	-	-	32,115	32,115	0.00%
515000 - Cell Phone Stipend	-	1,320	1,320	1,440	120	9.09%
<b>Personnel Total</b>	<b>\$ -</b>	<b>\$ 1,777,995</b>	<b>\$ 1,786,760</b>	<b>\$ 1,845,955</b>	<b>\$ 67,960</b>	<b>3.82%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ -	\$ 3,000	\$ 3,000	\$ 3,000	\$ -	0.00%
520110 - Computer Supplies	-	281,200	290,900	298,825	17,625	6.27%
<b>Supplies Total</b>	<b>\$ -</b>	<b>\$ 284,200</b>	<b>\$ 293,900</b>	<b>\$ 301,825</b>	<b>\$ 17,625</b>	<b>6.20%</b>
<b>Services</b>						
530100 - Audit	\$ -	\$ 128,000	\$ 150,000	\$ 123,200	\$ (4,800)	-3.75%
531020 - Internet Service	-	1,080	1,080	1,080	-	0.00%
531310 - Special Studies & Rpts	-	34,615	9,615	-	(34,615)	-100.00%
531400 - Legal Service	-	-	2,200	-	-	0.00%
531800 - Rent or Lease Payment	-	14,560	14,560	14,560	-	0.00%
531900 - Travel and Training	-	28,800	19,900	24,200	(4,600)	-15.97%
532000 - Mem & Subscriptions	-	2,205	2,205	2,090	(115)	-5.22%
533920 - Regulatory Fees & Asses	-	35	35	35	-	0.00%
<b>Services Total</b>	<b>\$ -</b>	<b>\$ 209,295</b>	<b>\$ 199,595</b>	<b>\$ 165,165</b>	<b>\$ (44,130)</b>	<b>-21.09%</b>
<b>Grand Total</b>	<b>\$ -</b>	<b>\$ 2,271,490</b>	<b>\$ 2,280,255</b>	<b>\$ 2,312,945</b>	<b>\$ 41,455</b>	<b>1.83%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$41,455 from the FY20 Original Budget. Major variances are explained below.

- Prior to FY20 the Accounting, Finance, Human Resources, Purchasing and Records departments were combined into one large Administration department. Beginning in FY20 those departments are now split out.
- Personnel increased due to higher insurance costs.
- Computer Supplies is higher based on additional fees for DayForce software related to headcounts.
- Special Studies and Reports has decreased as there is no planned Finance/Accounting/Purchasing Organizational Study this year.
- Travel and Training has decreased due to lower expected travel during the COVID-19 Pandemic.

## 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.

### FY2021 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	FY20	FY21	Difference
Accounting Technician (Contract Coordinator - In Lieu Of)	1.0	1.0	-
Assistant Deputy (Finance)	0.5	0.5	-
Assistant Finance Manager	1.0	1.0	-
Budget Coordinator	1.0	1.0	-
Debt & Investment Supervisor	1.0	1.0	-
Finance Manager	1.0	1.0	-
Financial Analyst	2.0	2.0	-
Financial Analyst I (SWIFT)	1.0	1.0	-
Financial Assistant	1.0	1.0	-
Investment Coordinator	1.0	1.0	-
<b>Total Full-Time Positions</b>	<b>10.5</b>	<b>10.5</b>	<b>-</b>

## Expense Detail

Finance Department	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ -	\$ 874,490	\$ 884,155	\$ 890,105	\$ 15,615	1.79%
511060 - Overtime	-	7,000	-	-	(7,000)	-100.00%
512000 - Social Security	-	66,905	64,455	68,085	1,180	1.76%
513000 - Workers' Comp Ins	-	1,700	1,660	1,465	(235)	-13.82%
513020 - Hospitalization Ins	-	177,245	181,480	189,660	12,415	7.00%
513040 - Dental Ins	-	9,795	9,725	9,795	-	0.00%
513060 - Life Ins	-	1,915	2,145	2,315	400	20.89%
514000 - Retirement	-	102,630	102,630	102,985	355	0.35%
514010 - Retiree - Insurance	-	17,905	17,905	17,965	60	0.34%
514020 - Comp Absences-vacation	-	5,160	5,160	12,375	7,215	139.83%
515000 - Cell Phone Stipend	-	1,680	1,680	2,640	960	57.14%
<b>Personnel Total</b>	<b>\$ -</b>	<b>\$ 1,266,425</b>	<b>\$ 1,270,995</b>	<b>\$ 1,297,390</b>	<b>\$ 30,965</b>	<b>2.45%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ -	\$ 15,000	\$ 15,000	\$ 15,000	\$ -	0.00%
520110 - Computer Supplies	-	29,970	29,970	21,530	(8,440)	-28.16%
521100 - Medical Supplies	-	200	200	295	95	47.50%
521110 - Safety Supplies	-	-	-	300	300	0.00%
<b>Supplies Total</b>	<b>\$ -</b>	<b>\$ 45,170</b>	<b>\$ 45,170</b>	<b>\$ 37,125</b>	<b>\$ (8,045)</b>	<b>-17.81%</b>
<b>Services</b>						
530900 - General Liability Ins	\$ -	\$ 191,830	\$ 19,500	\$ 20,790	(\$171,040)	-89.16%
531020 - Internet Service	-	2,160	2,160	1,800	(360)	-16.67%
531310 - Special Studies & Rpts	-	20,770	330	-	(20,770)	-100.00%
531400 - Legal Service	-	10,000	-	-	(10,000)	-100.00%
531600 - Printing & Binding	-	1,625	4,010	8,000	6,375	392.31%
531800 - Rent or Lease Payment	-	1,625	1,625	1,625	-	0.00%
531900 - Travel and Training	-	38,120	15,340	5,100	(33,020)	-86.62%
532000 - Mem & Subscriptions	-	2,810	2,810	3,060	250	8.90%
532300 - Postage	-	1,900	1,900	1,900	-	0.00%
532400 - Office Equip Maint	-	250	250	250	-	0.00%
533020 - Contract Labor	-	230,000	230,000	190,000	(40,000)	-17.39%
<b>Services Total</b>	<b>\$ -</b>	<b>\$ 501,090</b>	<b>\$ 277,925</b>	<b>\$ 232,525</b>	<b>\$ (268,565)</b>	<b>-53.60%</b>
<b>Grand Total</b>	<b>\$ -</b>	<b>\$ 1,812,685</b>	<b>\$ 1,594,090</b>	<b>\$ 1,567,040</b>	<b>\$ (245,645)</b>	<b>-13.55%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has decreased by \$245,645 from the FY20 Original Budget. Major variances are explained below.

- Prior to FY20 the Accounting, Finance, Human Resources, Purchasing and Records departments were combined into one large Administration department. Beginning in FY20 those departments are now split out.
- Personnel has increased due to higher insurance costs.
- General Liability Insurance decreased as a portion was moved over to the Regional Water System.
- Travel and Training has decreased due to lower expected travel during the Covid-19 Pandemic.

## 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 contracts 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.

### FY2021 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	FY20	FY21	Difference
Contract Administrator	3.0	3.0	-
Purchasing Manager	1.0	1.0	-
<b>Total Full-Time Positions</b>	<b>4.0</b>	<b>4.0</b>	<b>-</b>

## Expense Detail

Purchasing Department	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ -	\$ 376,680	\$ 305,640	\$ 372,520	\$ (4,160)	-1.10%
512000 - Social Security	-	28,265	24,050	28,205	(60)	-0.21%
513000 - Workers' Comp Ins	-	725	655	610	(115)	-15.86%
513010 - Unemployment Ins	-	-	5,000	-	-	0.00%
513020 - Hospitalization Ins	-	32,680	43,500	62,315	29,635	90.68%
513040 - Dental Ins	-	1,530	2,970	4,050	2,520	164.71%
513060 - Life Ins	-	825	755	960	135	16.36%
514000 - Retirement	-	44,205	44,205	51,615	7,410	16.76%
514010 - Retiree - Insurance	-	7,715	7,715	9,005	1,290	16.72%
514020 - Comp Absences-vacation	-	-	-	2,880	2,880	0.00%
515000 - Cell Phone Stipend	-	1,440	1,440	960	(480)	-33.33%
<b>Personnel Total</b>	<b>\$ -</b>	<b>\$ 494,065</b>	<b>\$ 435,930</b>	<b>\$ 533,120</b>	<b>\$ 39,055</b>	<b>7.90%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ -	\$ 11,000	\$ 11,000	\$ 11,000	\$ -	0.00%
520110 - Computer Supplies	-	15,565	26,965	30,560	14,995	96.34%
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>\$ -</b>	<b>\$ 27,045</b>	<b>\$ 38,445</b>	<b>\$ 42,040</b>	<b>\$ 14,995</b>	<b>55.44%</b>
<b>Services</b>						
531020 - Internet Service	\$ -	\$ 1,620	\$ 1,620	\$ 540	\$ (1,080)	-66.67%
531310 - Special Studies & Rpts	-	4,600	-	-	(4,600)	-100.00%
531400 - Legal Service	-	20,000	20,000	15,000	(5,000)	-25.00%
531600 - Printing & Binding	-	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	-	14,350	4,350	11,150	(3,200)	-22.30%
532000 - Mem & Subscriptions	-	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	-	30,000	18,200	15,000	(15,000)	-50.00%
<b>Services Total</b>	<b>\$ -</b>	<b>\$ 79,485</b>	<b>\$ 53,085</b>	<b>\$ 50,605</b>	<b>\$ (28,880)</b>	<b>-36.33%</b>
<b>Grand Total</b>	<b>\$ -</b>	<b>\$ 600,595</b>	<b>\$ 527,460</b>	<b>\$ 625,765</b>	<b>\$ 25,170</b>	<b>4.19%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$25,170 from the FY20 Original Budget. Major variances are explained below.

- Prior to FY20 the Accounting, Finance, Human Resources, Purchasing and Records departments were combined into one large Administration department. Beginning in FY20 those departments are now split out.
- Personnel increased due to higher insurance costs.
- Computer Supplies is higher for the eProcurement Software License.
- Special Studies and Reports has decreased as there is no planned Fin/Acct/Purch org. study this year.
- Contract Labor is lower based on the reduced need for Specifications Writing Training.

## 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.

### FY2021 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	FY20	FY21	Difference
Administrative Technician	1.0	1.0	-
Assistant Deputy (Technology & Support)	0.2	0.2	-
Control Systems Senior Technician (IT Sr Tech - In Lieu Of)	1.0	1.0	-
GIS Analyst	1.0	1.0	-
GIS Coordinator	1.0	1.0	-
Information Systems Analyst	1.0	1.0	-
Information Systems Assistant	5.0	4.0	(1.0)
Information Systems Manager	1.0	1.0	-
Information Systems Senior Technician	1.0	1.0	-
Information Systems Technician	2.0	2.0	-
Information Technology Manager	1.0	1.0	-
Information Technology Senior Technician	1.0	1.0	-
Information Technology Supervisor	1.0	1.0	-
Information Technology Technician	2.0	2.0	-
<b>Total Full-Time Positions</b>	<b>19.2</b>	<b>18.2</b>	<b>(1.0)</b>

### Expense Detail

Information Technology Department	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 1,255,385	\$ 1,319,985	\$ 1,284,675	\$ 1,263,655	\$ (56,330)	-4.27%
511060 - Overtime	30,112	7,500	7,500	7,500	-	0.00%
512000 - Social Security	90,099	99,530	93,865	95,525	(4,005)	-4.02%
513000 - Workers' Comp Ins	2,405	2,550	2,410	2,080	(470)	-18.43%
513010 - Unemployment Ins	1,743	-	-	-	-	0.00%
513020 - Hospitalization Ins	237,271	250,625	245,405	256,570	5,945	2.37%
513040 - Dental Ins	13,805	13,420	13,200	13,380	(40)	-0.30%
513060 - Life Ins	2,939	2,955	3,185	3,355	400	13.54%
514000 - Retirement	197,395	154,910	154,910	151,535	(3,375)	-2.18%
514010 - Retiree - Insurance	40,270	27,025	27,025	26,440	(585)	-2.16%
514020 - Comp Absences-vacation	34,480	-	-	3,945	3,945	0.00%
514030 - Comp Absences-sick	33,790	9,355	9,355	3,895	(5,460)	-58.36%
515000 - Cell Phone Stipend	7,720	8,735	8,735	7,775	(960)	-10.99%
<b>Personnel Total</b>	<b>\$ 1,947,414</b>	<b>\$ 1,896,590</b>	<b>\$ 1,850,265</b>	<b>\$ 1,835,655</b>	<b>\$ (60,935)</b>	<b>-3.21%</b>

## Expense Detail (continued)

Information Technology Department	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Supplies</b>						
520100 - Office Supplies	\$ 2,666	\$ 2,585	\$ 2,585	\$ 2,700	\$ 115	4.45%
520110 - Computer Supplies	1,128,173	1,219,210	1,219,210	1,330,560	111,350	9.13%
520200 - Xerox Supplies	13,926	14,355	14,355	16,140	1,785	12.43%
520600 - Fuel, Oil and Lube	1,731	4,200	4,200	4,200	-	0.00%
520630 - Toll Fees	414	250	250	250	-	0.00%
520800 - Small Tools & Equip	1,588	300	300	-	(300)	-100.00%
521110 - Safety Supplies	1,608	2,050	2,050	1,230	(820)	-40.00%
521900 - Vehicle Supplies	819	1,050	1,050	1,050	-	0.00%
521910 - Tires and Tubes	-	1,500	1,500	1,500	-	0.00%
<b>Supplies Total</b>	<b>\$ 1,150,926</b>	<b>\$ 1,245,500</b>	<b>\$ 1,245,500</b>	<b>\$ 1,357,630</b>	<b>\$ 112,130</b>	<b>9.00%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 5,188	\$ 6,415	\$ 6,415	\$ 3,110	\$ (3,305)	-51.52%
531000 - Telephone	11,334	54,000	54,000	54,000	-	0.00%
531020 - Internet Service	196,106	183,370	183,370	183,370	-	0.00%
531310 - Special Studies & Rpts	-	50,000	50,000	-	(50,000)	-100.00%
531600 - Printing & Binding	761	125	125	125	-	0.00%
531700 - Advertising	-	350	350	700	350	100.00%
531900 - Travel and Training	23,122	38,630	38,630	21,940	(16,690)	-43.20%
532000 - Mem & Subscriptions	578	790	790	815	25	3.16%
532100 - Vehicle Maint	34	1,400	1,400	1,400	-	0.00%
532110 - Veh Maint by Solid Waste	787	-	-	-	-	0.00%
533020 - Contract Labor	338,910	585,900	585,900	585,480	(420)	-0.07%
<b>Services Total</b>	<b>\$ 576,821</b>	<b>\$ 920,980</b>	<b>\$ 920,980</b>	<b>\$ 850,940</b>	<b>\$ (70,040)</b>	<b>-7.60%</b>
<b>Capital Outlay</b>						
540400 - Office Equipment	\$ 379,481	\$ 290,000	\$ 290,000	\$ 200,000	\$ (90,000)	-31.03%
<b>Capital Outlay Total</b>	<b>\$ 379,481</b>	<b>\$ 290,000</b>	<b>\$ 290,000</b>	<b>\$ 200,000</b>	<b>\$ (90,000)</b>	<b>-31.03%</b>
<b>Grand Total</b>	<b>\$ 4,054,642</b>	<b>\$ 4,353,070</b>	<b>\$ 4,306,745</b>	<b>\$ 4,244,225</b>	<b>\$ (108,845)</b>	<b>-2.50%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has decreased by \$108,845 from the FY20 Original Budget. Major variances are explained below.

- Computer Supplies increased to purchase Swagit equipment to record and broadcast Board meetings.
- Special Studies and Reports decreased as there is no planned IT organizational study planned this year.
- Travel and Training has decreased to reflect lower costs related to the COVID-19 Pandemic.
- Office Equipment is lower based on reduced expenses for Business Network - Disaster Recovery Storage.

## 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 Water, Wastewater and Solid Waste Systems 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.

### FY2021 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	FY20	FY21	Difference
Administrative Technician	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	-
Environmental Supervisor I	1.00	1.00	-
Environmental Technician II	3.00	3.00	-
Quality System Technician	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	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 654,489	\$ 656,355	\$ 599,205	\$ 597,580	\$ (58,775)	-8.95%
511060 - Overtime	1,347	4,000	4,000	2,000	(2,000)	-50.00%
512000 - Social Security	52,451	50,220	43,440	45,720	(4,500)	-8.96%
513000 - Workers' Comp Ins	2,801	15,000	13,055	11,690	(3,310)	-22.07%
513020 - Hospitalization Ins	107,830	102,890	87,735	91,840	(11,050)	-10.74%
513040 - Dental Ins	5,341	5,210	5,260	5,295	85	1.63%
513060 - Life Ins	1,456	1,475	1,510	1,615	140	9.49%
514000 - Retirement	89,610	77,030	77,030	69,135	(7,895)	-10.25%
514010 - Retiree - Insurance	18,280	13,440	13,440	12,060	(1,380)	-10.27%
514020 - Comp Absences-vacation	470	20,990	20,990	3,420	(17,570)	-83.71%
514030 - Comp Absences-sick	-	76,450	76,450	21,375	(55,075)	-72.04%
515000 - Cell Phone Stipend	3,848	4,005	4,005	4,005	-	0.00%
<b>Personnel Total</b>	<b>\$ 937,922</b>	<b>\$ 1,027,065</b>	<b>\$ 946,120</b>	<b>\$ 865,735</b>	<b>\$ (161,330)</b>	<b>-15.71%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 1,975	\$ 1,000	\$ 1,000	\$ 1,000	-	0.00%
520110 - Computer Supplies	22,563	28,465	28,465	30,000	1,535	5.39%
520200 - Xerox Supplies	8,830	10,000	10,000	-	(10,000)	-100.00%
520300 - Clothing Supplies	7,300	5,635	5,635	5,725	90	1.60%
520600 - Fuel, Oil and Lube	7,161	10,000	10,000	8,000	(2,000)	-20.00%
520630 - Toll Fees	75	400	400	400	-	0.00%
520800 - Small Tools & Equip	2,183	2,500	2,500	2,500	-	0.00%
521000 - Laboratory Supplies	13,128	15,250	15,250	16,015	765	5.02%
521110 - Safety Supplies	1,805	1,730	1,730	1,730	-	0.00%
521700 - Building Supplies	9	-	-	-	-	0.00%
521900 - Vehicle Supplies	3,520	4,000	4,000	5,000	1,000	25.00%
521910 - Tires and Tubes	1,136	3,000	3,000	3,000	-	0.00%
522000 - Equipment Supplies	7,395	10,970	10,970	10,970	-	0.00%
<b>Supplies Total</b>	<b>\$ 77,079</b>	<b>\$ 92,950</b>	<b>\$ 92,950</b>	<b>\$ 84,340</b>	<b>\$ (8,610)</b>	<b>-9.26%</b>

## Expense Detail (continued)

Environmental Services Department	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Services</b>						
530300 - Automotive Insurance	\$ 2,964	\$ 3,160	\$ 3,160	\$ 2,945	\$ (215)	-6.80%
531020 - Internet Service	5,768	5,280	5,280	5,280	-	0.00%
531310 - Special Studies & Rpts	-	30,000	30,000	30,000	-	0.00%
531800 - Rent or Lease Payment	-	-	-	10,000	10,000	0.00%
531900 - Travel and Training	5,276	13,200	13,200	5,680	(7,520)	-56.97%
532000 - Mem & Subscriptions	1,864	1,560	1,560	1,560	-	0.00%
532100 - Vehicle Maint	5,429	2,550	2,550	2,550	-	0.00%
532110 - Veh Maint by Solid Waste	2,038	2,000	2,000	4,000	2,000	100.00%
532200 - Equipment Maintenance	2,083	3,750	3,750	3,750	-	0.00%
532300 - Postage	-	400	400	400	-	0.00%
532850 - Building Maintenance	-	-	-	34,040	34,040	0.00%
533020 - Contract Labor	54	-	-	-	-	0.00%
533500 - Lab Svc - Contract	-	250	250	250	-	0.00%
<b>Services Total</b>	<b>\$ 25,476</b>	<b>\$ 62,150</b>	<b>\$ 62,150</b>	<b>\$ 100,455</b>	<b>\$ 38,305</b>	<b>61.63%</b>
<b>Capital Outlay</b>						
541000 - Laboratory Equipment	\$ 27,479	\$ 20,000	\$ 20,000	\$ 15,000	\$ (5,000)	-25.00%
<b>Capital Outlay Total</b>	<b>\$ 27,479</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>	<b>\$ 15,000</b>	<b>(\$5,000)</b>	<b>-25.00%</b>
<b>Grand Total</b>	<b>\$ 1,067,956</b>	<b>\$ 1,202,165</b>	<b>\$ 1,121,220</b>	<b>\$ 1,065,530</b>	<b>\$ (136,635)</b>	<b>-11.37%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has decreased by \$136,635 from the FY20 Original Budget. Major variances are explained below.

- Department had a couple of retirements and shifting of positions which decreased Personnel costs.
- Building Maintenance increased to replace the A/C in the lab.

## 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.

### FY2021 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 is 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	FY20	FY21	Difference
Administrative Assistant / Senior Laboratory Technician	1.00	1.00	-
Administrative Technician	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	10.00	-
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	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 1,856,458	\$ 2,160,770	\$ 2,131,350	\$ 2,133,915	\$ (26,855)	-1.24%
511060 - Overtime	11,862	10,000	10,000	10,000	-	0.00%
512000 - Social Security	139,022	165,280	157,620	163,245	(2,035)	-1.23%
513000 - Workers' Comp Ins	17,475	18,180	13,635	12,295	(5,885)	-32.37%
513020 - Hospitalization Ins	302,611	323,595	347,975	373,175	49,580	15.32%
513040 - Dental Ins	13,688	14,335	14,500	14,950	615	4.29%
513060 - Life Ins	4,318	4,845	5,235	5,690	845	17.44%
514000 - Retirement	202,425	253,585	253,585	247,200	(6,385)	-2.52%
514010 - Retiree - Insurance	41,295	44,240	44,240	43,130	(1,110)	-2.51%
514020 - Comp Absences-vacation	10,945	-	-	23,420	23,420	0.00%
515000 - Cell Phone Stipend	1,760	2,615	2,615	2,135	(480)	-18.36%
<b>Personnel Total</b>	<b>\$ 2,601,860</b>	<b>\$ 2,997,445</b>	<b>\$ 2,980,755</b>	<b>\$ 3,029,155</b>	<b>\$ 31,710</b>	<b>1.06%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 3,217	\$ 5,000	\$ 5,000	\$ 5,000	-	0.00%
520110 - Computer Supplies	41,101	48,000	48,000	48,000	-	0.00%
520200 - Xerox Supplies	4,718	8,000	8,000	-	(8,000)	-100.00%
520300 - Clothing Supplies	10,840	10,020	10,020	10,020	-	0.00%
520600 - Fuel, Oil and Lube	665	1,000	1,000	1,000	-	0.00%
520630 - Toll Fees	-	150	150	150	-	0.00%

## Expense Detail (continued)

Laboratory Services Department	2018-19	2019-20	2019-20	2020-21	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	\$ 13,624	\$ 20,000	\$ 20,000	\$ 20,000	\$ -	0.00%
520810 - Fire Extinguishers	747	535	535	535	-	0.00%
521000 - Laboratory Supplies	350,140	375,000	375,000	375,000	-	0.00%
521110 - Safety Supplies	10,948	8,000	8,000	8,000	-	0.00%
521700 - Building Supplies	51,079	10,000	10,000	10,000	-	0.00%
521900 - Vehicle Supplies	468	800	800	800	-	0.00%
521910 - Tires and Tubes	-	175	175	175	-	0.00%
522000 - Equipment Supplies	32,177	40,000	40,000	40,000	-	0.00%
523000 - Other Supplies	63,854	65,000	65,000	65,000	-	0.00%
<b>Supplies Total</b>	<b>\$ 583,579</b>	<b>\$ 591,680</b>	<b>\$ 591,680</b>	<b>\$ 583,680</b>	<b>\$ (8,000)</b>	<b>-1.35%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 957	\$ 1,040	\$ 1,040	\$ 970	\$ (70)	-6.73%
530400 - Fire & Exten Cov Ins	4,945	5,860	5,860	6,790	930	15.87%
531020 - Internet Service	918	480	480	480	-	0.00%
531100 - Electric Power	84,826	58,800	58,800	58,800	-	0.00%
531110 - Nat Gas, Butane & Kero	12,057	18,000	18,000	18,000	-	0.00%
531120 - Retail Water Service	2,601	3,500	3,500	3,500	-	0.00%
531700 - Advertising	95	300	300	300	-	0.00%
531800 - Rent or Lease Payment	-	-	-	8,000	8,000	0.00%
531900 - Travel and Training	10,653	14,840	14,840	11,065	(3,775)	-25.44%
532000 - Mem & Subscriptions	186	1,440	1,440	1,440	-	0.00%
532100 - Vehicle Maint	9	250	250	250	-	0.00%
532110 - Veh Maint by Solid Waste	153	250	250	750	500	200.00%
532200 - Equipment Maintenance	138,483	100,000	100,000	144,100	44,100	44.10%
532300 - Postage	-	100	100	100	-	0.00%
532850 - Building Maintenance	37,210	15,000	15,000	112,300	97,300	648.67%
533020 - Contract Labor	25,563	3,000	3,000	5,000	2,000	66.67%
533500 - Lab Svc - Contract	11,259	15,000	15,000	20,000	5,000	33.33%
533900 - Permits, Ins, & Lic Fees	3,555	3,500	3,500	3,500	-	0.00%
<b>Services Total</b>	<b>\$ 333,469</b>	<b>\$ 241,360</b>	<b>\$ 241,360</b>	<b>\$ 395,345</b>	<b>\$ 153,985</b>	<b>63.80%</b>
<b>Capital Outlay</b>						
541000 - Laboratory Equipment	\$ 88,327	\$ 125,000	\$ 125,000	\$ 120,000	\$ (5,000)	-4.00%
542000 - Other Capital Outlay	-	35,000	35,000	-	(35,000)	-100.00%
<b>Capital Outlay Total</b>	<b>\$ 88,327</b>	<b>\$ 160,000</b>	<b>\$ 160,000</b>	<b>\$ 120,000</b>	<b>\$ (40,000)</b>	<b>-25.00%</b>
<b>Grand Total</b>	<b>\$ 3,607,235</b>	<b>\$ 3,990,485</b>	<b>\$ 3,973,795</b>	<b>\$ 4,128,180</b>	<b>\$ 137,695</b>	<b>3.45%</b>

## Major FY21 Budget Items

The department's FY21 Proposed Budget has increased by \$137,695 from the FY20 Original Budget. Major variances are explained below.

- Personnel increased due to higher insurance costs.
- Equipment Maintenance went up to allow for 2 discrete analyzer maintenance plans.
- Building Maintenance increased related to replacing the A/C in the lab.

## 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 that local, state and federal regulations are complied with and to foster a culture of environmental stewardship. The Regulatory Compliance Department is committed to continuous improvement, pollution prevention and environmental compliance.

### FY2021 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	FY20	FY21	Difference
Assistant Deputy (Technology & Support)	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	2018-19	2019-20	2019-20	2020-21	Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
<b>Personnel</b>						
510000 - Wages	\$ 236,892	\$ 336,435	\$ 330,145	\$ 326,095	\$ (10,340)	-3.07%
512000 - Social Security	17,401	25,745	24,070	24,950	(795)	-3.09%
513000 - Workers' Comp Ins	3,947	4,645	4,535	3,955	(690)	-14.85%
513020 - Hospitalization Ins	45,008	49,755	52,250	54,320	4,565	9.17%
513040 - Dental Ins	1,699	2,125	2,245	2,265	140	6.59%
513060 - Life Ins	540	720	785	835	115	15.97%
514000 - Retirement	27,755	39,485	39,485	37,730	(1,755)	-4.44%
514010 - Retiree - Insurance	5,660	6,890	6,890	6,580	(310)	-4.50%
514020 - Comp Absences-vacation	1,150	2,020	2,020	4,440	2,420	119.80%
515000 - Cell Phone Stipend	1,400	1,655	1,655	1,655	-	0.00%
<b>Personnel Total</b>	<b>\$ 341,452</b>	<b>\$ 469,475</b>	<b>\$ 464,080</b>	<b>\$ 462,825</b>	<b>\$ (6,650)</b>	<b>-1.42%</b>
<b>Supplies</b>						
520100 - Office Supplies	\$ 970	\$ 1,000	\$ 1,000	\$ 1,000	\$ -	0.00%
520110 - Computer Supplies	5,414	4,200	4,200	4,200	-	0.00%
520300 - Clothing Supplies	400	900	900	900	-	0.00%
520600 - Fuel, Oil and Lube	429	3,800	3,800	3,800	-	0.00%
520630 - Toll Fees	178	300	300	300	-	0.00%
520800 - Small Tools & Equip	1,095	350	350	350	-	0.00%
521110 - Safety Supplies	2,432	1,225	1,225	1,315	90	7.35%
521900 - Vehicle Supplies	230	1,400	1,400	1,400	-	0.00%
521910 - Tires and Tubes	-	700	700	700	-	0.00%
<b>Supplies Total</b>	<b>\$ 11,147</b>	<b>\$ 13,875</b>	<b>\$ 13,875</b>	<b>\$ 13,965</b>	<b>\$ 90</b>	<b>0.65%</b>
<b>Services</b>						
530300 - Automotive Insurance	\$ 717	\$ 780	\$ 780	\$ 730	\$ (50)	-6.41%
531020 - Internet Service	1,874	1,440	1,440	1,440	-	0.00%
531310 - Special Studies & Rpts	-	5,000	5,000	5,000	-	0.00%
531400 - Legal Service	15,638	20,000	20,000	20,000	-	0.00%
531900 - Travel and Training	8,844	15,000	15,000	8,400	(6,600)	-44.00%
532000 - Mem & Subscriptions	2,102	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	241	1,600	1,600	1,600	-	0.00%
532850 - Building Maintenance	-	-	-	9,160	9,160	0.00%
533020 - Contract Labor	6,538	5,000	5,000	5,000	-	0.00%
<b>Services Total</b>	<b>\$ 35,972</b>	<b>\$ 52,420</b>	<b>\$ 52,420</b>	<b>\$ 54,930</b>	<b>\$ 2,510</b>	<b>4.79%</b>
<b>Grand Total</b>	<b>\$ 388,571</b>	<b>\$ 535,770</b>	<b>\$ 530,375</b>	<b>\$ 531,720</b>	<b>\$ (4,050)</b>	<b>-0.76%</b>

### Major FY21 Budget Items

The department's FY21 Proposed Budget has decreased by \$4,050 from the FY20 Original Budget. Major variances are explained below.

- No major increases.

Wylie WTP Plant 4 - Construction (Lavon Lake in background)



# APPENDIX

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Government Treasurers' Organization of Texas  
**Certification of Investment Policy**

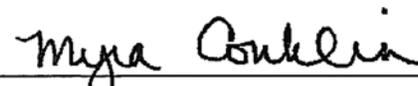
Presented to the

*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  
Chairperson

**For the two-year period ending June 30, 2021**

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**2020-21  
CAPITAL PROJECTS**

## CAPITAL PROJECTS FY2021

## Regional Water System

Project	Project Driver	Description	Construction Cost Estimate
Wylie WTP III, Outfall Improvements	Maintaining Aging Infrastructure	Improvements and upgrades at the WTP III for stormwater runoff.	\$2M - \$5M
System-wide Meter Vault Improvements - Setpoint Control Phase V	Maintaining Aging Infrastructure	Delivery point meter vault upgrades to current District standards. Includes new control valve, flow meter, vault, electrical and SCADA.	\$16M - \$25M
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
High Service Pump Station 3-1 Expansion to 450 MGD	Expanding/New Growth	Add two additional pumps and two adjustable frequency drives at High Service Pump Station 3-1.	\$16M - \$25M
Shiloh System Ground Storage Tank	Regulatory Requirements	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 to Rockwall Pipeline Relocation	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.	\$16M - \$25M
Bonham Raw Water Pump Station Improvements	Maintaining Aging Infrastructure	Preliminary study to collect water quality samples to identify future location of intake structure.	\$2M - \$5M
Wylie WTP, Finished Water Storage and Equalization	Expanding/New Growth	New clearwells to provide additional storage capacity at Wylie WTPs.	\$16M - \$25M
Wylie WTP II, Plant Water Improvements	Maintaining Aging Infrastructure	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
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
North Garland System Ground Storage Tank	Regulatory Requirements	Construction of 16 MG ground storage to enhance the reliability of maintaining the desired pressure range in North Garland transmission system.	\$16M - \$25M
Water Operations and Maintenance Manuals Update	Maintaining Aging Infrastructure	Routine updates to plant and high service pump station operations manuals.	< \$2M
Wylie WTP I, Washwater Supply System Improvements	Maintaining Aging Infrastructure	Construct a larger washwater supply tank and remove the deteriorated tank that is beyond its useful life.	\$2M - \$5M
Forney Delivery Point No. 1 Site Improvements	Maintaining Aging Infrastructure	Improvements to pump station and ground storage tank at the Forney Pump Station.	< \$2M
Wylie WTP, Ammonia System Improvements	Maintaining Aging Infrastructure	Improvements to existing ammonia facilities at all four Wylie WTPs.	\$6M - \$15M
Wylie WTP II, Structural and Mechanical Improvements Phase I	Maintaining Aging Infrastructure	Structural and mechanical improvements at Wylie WTP II filters, clearwells, and backwash pump station.	\$6M - \$15M
Wylie WTP IV, Filter Complex Wall Repair	Maintaining Aging Infrastructure	Wall repair at Wylie WTP IV filters.	\$6M - \$15M
Wylie WTP II, Sedimentation Basin Troughs Improvements	Maintaining Aging Infrastructure	Upgrades to steel troughs on basins 1,5,6, and 8 at Wylie WTP II.	\$2M - \$5M
Texoma Surge Mixing and Blending Tanks Improvements	Maintaining Aging Infrastructure	Mixing/Aeration system for Texoma surge, mixing and blending tanks at Wylie WTP.	\$2M - \$5M

**Regional Water System (continued)**

Project	Project Driver	Description	Construction Cost Estimate
Hailey Pump Station, Ground Storage Tank Rehabilitation and Site Improvements and Forney to Terrell Pump Station Communications Tower	Maintaining Aging Infrastructure	Improvements to pump station, tanks and Mesquite No. 1 delivery point. Addition of a communications tower at the Forney to Terrell Pump Station.	\$2M - \$5M
Highway 5 (McKinney No. 4) Pump Station Site	Expanding/New Growth	New 50 million MGD pump station and 10 MG ground storage tank for Frisco/McKinney System.	\$26M - \$50M
Water Capital Improvements Plan Updates	Expanding/New Growth	Raw water, treated water and transmission system capital improvement program update including demand projections, hydraulic modeling, water quality analysis and project summary.	< \$2M
North System Air Valve Improvements Phase II	Maintaining Aging Infrastructure	Addition or replacement of air valves in the North Transmission System.	\$2M - \$5M
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.	\$6M - \$15M
System-wide Meter Vault Improvements - Setpoint Control Phase IV	Maintaining Aging Infrastructure	Delivery point meter vault upgrades to current District standards. Includes new control valve, flow meter, vault, electrical and SCADA.	\$6M - \$15M
Bonham and Tawakoni WTP Improvements	Maintaining Aging Infrastructure	Update chemical storage/feed systems at both plants, update and modernize the SCADA systems and address current TCEQ guidelines for backup power capability.	\$6M - \$15M
High Service Pump Stations 2-2 and 2-3 Control Valve Improvements	Maintaining Aging Infrastructure	Pump control valve improvements at high service pump stations 2-2 and 2-3.	\$6M - \$15M
SCADA System Upgrade 2022	Expanding/New Growth	Routine annual SCADA system upgrades.	< \$2M
Water System Long Range Water Supply Plan	Expanding/New Growth	Develop a long range water supply plan for the RWS. Identify supply needs, water management strategies, and pretreatment and conveyance needs.	< \$2M
Additional Clearwells at Wylie WTP 2023	Expanding/New Growth	New clearwell to provide additional storage capacity at the Wylie WTP.	\$16M - \$25M
Wylie WTP III, Sludge Handling and Reclaim Basin Improvements	Maintaining Aging Infrastructure	Recoat walls, replace pumps, valves, isolation valves, piping and electrical equipment at Plant III sludge building. Add reclaim basin to WTP III.	\$16M - \$25M
Apollo Pump Station 2020 Electrical and Mechanical Improvements	Regulatory Requirements	Update select pumps to provide discharge pressures that support the full operating range under all system flow conditions. This also requires an update to electrical switchgear and adjustable frequency drives for both size and condition reasons.	\$6M - \$15M
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
Cooper Pipeline Extension	Expanding/New Growth	Extend and connect Cooper raw water pipeline with Lake Texoma raw water pipeline.	\$6M - \$15M
Wylie WTP II, Electrical Buildings Improvements	Maintaining Aging Infrastructure	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

**Regional Water System (continued)**

Project	Project Driver	Description	Construction Cost Estimate
North Water Transmission System SCADA Network Split	Expanding/New Growth	New data concentrator, network equipment, in-plant Radio Frequency, remote Radio Frequency. New radio building, backup generator and plant fiber.	\$2M - \$5M
Trinity River Main Stem Pump Station Lock and Dam Structure	Expanding/New Growth	Erosion control requires armoring of the channel abutments to prevent scouring. Anchor structure to increase stability.	< \$2M
Plano-McKinney Water Transmission System Phase I, Relocation of 84-inch and 42-inch Pipelines	Expanding/New Growth	Relocate approximately 3,600 feet of 84-inch waterline due to road widening.	\$6M - \$15M
Casa View Pump Station Mechanical Improvements	Maintaining Aging Infrastructure	Rehabilitation and/or replacement of existing pumps.	\$2M - \$5M
Wylie WTP II, Ferric Sulfate Storage and Feed Improvements	Maintaining Aging Infrastructure	Replace day tanks for WTP II ferric sulfate. Replace pumps, motors, valves, rehab or replace storage tanks for WTP II ferric sulfate.	\$16M - \$25M
Wylie WTP, Conversion to Biologically Active Filtration	Maintaining Aging Infrastructure	Improvements for phased transition of each of the four Wylie WTPs to Biologically Active Filtration (BAF).	\$26M - \$50M
Wylie WTP I, Filter Media Improvements	Maintaining Aging Infrastructure	Replace existing filter media at Wylie WTP I.	\$2M - \$5M
Wylie WTP, Master Plan	Expanding/New Growth	Process improvement and facility location master plan of the Wylie water treatment plant complex.	< \$2M

**Regional Water System - Bois d'Arc Lake Projects**

Project	Project Driver	Description	Construction Cost Estimate
Bois d'Arc Lake - Additional Program Management and Quality Assurance	Expanding/New Growth	Contracted program management and quality assurance testing on Bois d'Arc Lake projects.	\$2M - \$5M
Bois d'Arc Lake - Contract Construction Management Services and Contract Inspection Services	Expanding/New Growth	Contracted construction management and inspection on Bois d'Arc Lake projects.	\$6M - \$15M

**Wastewater System Projects**

Project	Project Driver	Description	Construction Cost Estimate
South Mesquite RWWTP, Peak Flow Management and Expansion	Capacity - Peak Flow	New Peak Flow Basin and new Influent Lift Station to manage 41 MGD Annual Average Daily Flow.	\$26M - \$50M
Sister Grove Regional Water Resource Recovery Facility (RWRRF) Phase II	Expanding/New Growth	Design of RWRRF Phase II expansion to 32 MGD Annual Average Daily Flow and Peak 2 Hour Flow of 128 MGD.	> \$50M
121 Force Main Improvements	Maintaining Aging Infrastructure	Improvements to the existing 30-inch force main from the Preston Road Lift Station to the Wilson Creek Regional WWTP.	\$6M - \$15M
McKinney East Side Extension Improvements	Capacity - Peak Flow	Pipe upsizing of existing 24/27-inch sewer from North McDonald Street to the North McKinney Lift Station.	\$16M - \$25M
Sister Grove RWRRF (Construction Manager At-Risk)	Expanding/New Growth	Early bid package for site excavation, long lead equipment and yard piping.	> \$50M

**Wastewater System Projects (continued)**

Project	Project Driver	Description	Construction Cost Estimate
South Mesquite RWWTP, Solids Handling Improvements	Maintaining Aging Infrastructure	Solids building improvements, solids operations facilities improvements and sludge truck weighing facilities.	\$16M - \$25M
Muddy Creek WWTP, Operations Building Improvements	Expanding/New Growth	Expand operations building to include offices, training room, restrooms, lockers, and meeting space.	< \$2M
UEFIS, Rehabilitation and Improvements	Maintaining Aging Infrastructure	Approximately 1,300 linear feet of cured in place pipe lining for 24-inch and 27-inch reinforced concrete pipe in Allen and Richardson.	< \$2M
Rowlett Creek RWWTP, Operations Building	Expanding/New Growth	Construct a new operations building for NTMWD personnel at the Rowlett Creek Regional WWTP.	\$2M - \$5M
Sister Grove RWRRF (Construction Manager At-Risk)	Expanding/New Growth	Construction of the RWRRF.	> \$50M
Wilson Creek RWWTP, Plant Drain Improvements	Maintaining Aging Infrastructure	Construction of a larger capacity gravity collection system to drain major facilities to the new McKinney Lift Station.	\$2M - \$5M
North McKinney Parallel Interceptor	Capacity - Peak Flow	Parallel 12,000 linear feet of approximately 66-inch diameter gravity interceptor from the Princeton Force Main parallel junction to the new McKinney Lift Station at Wilson Creek RWWTP.	\$6M - \$15M
Sabine Creek Sub-RWWTP, Improvements and Expansion	Expanding/New Growth	Expansion of the Sabine Creek WWTP with a possible peak flow basin. Other appurtenances include storage and maintenance facility, dewatering building with new dewatering equipment, enclosures around waste activated sludge and return activated sludge pumps and plant roads.	\$16M - \$25M
Buffalo Creek Parallel Interceptor Phase I	Capacity - Peak Flow	Parallel 43,600 linear feet of existing 36-inch with 48-inch from the Buffalo Creek WWTP to FM 740.	\$26M - \$50M
Rowlett Creek RWWTP, Peak Flow Management Phase II Electrical Improvements	Capacity - Peak Flow	Upgrades to existing electrical equipment (replacement of two motor control centers) and electrical building with blowers on the wastewater treatment plant site.	< \$2M
Rowlett Creek Regional WWTP, Peak Flow Management Phase IIA Solids Improvements	Capacity - Peak Flow	Plant improvements on the solids side to expand peak flow treatment capacity to 77.5 MGD.	\$26M - \$50M
Muddy Creek WWTP Expansion	Expanding/New Growth	Detailed design on expanding the wastewater treatment plant and other plant improvements based on Master Plan recommendations. The Master Plan is currently in progress.	\$26M - \$50M
Muddy Creek WWTP, Peak Flow Storage Basin	Capacity - Peak Flow	Detailed design based on Master Plan recommendations focusing on peak flow handling improvements. The Master Plan is currently in progress.	\$6M - \$15M
Floyd Branch RWWTP, Peak Flow Management	Capacity - Peak Flow	Expansion of peak flow capacity according to recommendations from the Master Plan. The Master Plan is currently in progress.	\$6M - \$15M
Wilson Creek RWWTP, Aeration Basin Improvements	Maintaining Aging Infrastructure	Upgrades to eight aeration basins and header air piping along with all appurtenances at Plant I located at the Wilson Creek Regional WWTP.	\$6M - \$15M

**Wastewater System Projects (continued)**

Project	Project Driver	Description	Construction Cost Estimate
Wilson Creek RWWTP, Plant Step Feed Improvements	Maintaining Aging Infrastructure	Improvements to the Wilson Creek Regional WWTP aeration basins to reconfigure for step feed operation. Project includes replacing slide gates, additional piping, new flow split structures and all associated electrical, instrumentation and controls.	\$2M - \$5M
North McKinney Transfer Force Mains	Expanding/New Growth	Two 48-inch force mains 26,000 linear feet each from the North McKinney Transfer Lift Station to the Sister Grove RWRFF.	\$26M - \$50M
North McKinney Transfer Lift Station	Expanding/New Growth	New 128 MGD transfer lift station adjacent to the existing North McKinney Lift Station.	\$26M - \$50M
Sloan Creek Lift Station	Expanding/New Growth	A new 10.3 MGD lift station to address growth in Allen and Fairview.	\$6M - \$15M
Sloan Creek Force Main	Expanding/New Growth	Approximately 51,000 linear feet of dual 12-inch and 20-inch force main to address growth in Allen and Fairview.	\$6M - \$15M
Wilson Creek Transfer Force Mains	Expanding/New Growth	Approximately 15,900 linear feet of two transfer force mains (36-inch/42-inch or twin 42-inch) from the Wilson Creek Lift Station to the North McKinney Lift Station.	\$6M - \$15M
McKinney-Prosper Transfer Sewer Phase I	Capacity - Peak Flow	Parallel 10,540 linear feet of 72/54-inch gravity sewer line from Wilson Creek Lift Station to US-75. Bore across US-75.	\$16M - \$25M
UEFIS, Rehabilitation and Improvements 2021	Maintaining Aging Infrastructure	Rehabilitation and improvements to be based upon pipeline or manhole condition assessment.	\$6M - \$15M
Richardson Spring Creek Trunk Sewer Improvements	Maintaining Aging Infrastructure	Preliminary engineering to verify repair locations along the Richardson Spring Creek Trunk Sewer using multi-sensor inspection followed by a Technical Memorandum for recommended repair and easement requirements.	< \$2M
Beck Branch Lift Station Improvements, Prairie Creek Lift Station Improvements and Renner Road Lift Station HVAC Improvements	Maintaining Aging Infrastructure	Replace three pumps at the Beck Branch Lift Station with electrical improvements. Install an additional pump at the Prairie Creek Lift Station. Upgrade the HVAC at the Renner Road Lift Station. All three locations require upgrades to SCADA, Security, Odor Control and electrical.	\$2M - \$5M
Forney Mustang Creek Lift Station Phase II and Forney Force Main Improvements	Capacity - Peak Flow	Expand the lift station that is currently under construction from 12 MGD to 30 MGD to handle growth. Replace existing 16-inch/18-inch force main with a 36-inch.	\$6M - \$15M
Buffalo Creek Interceptor Tunnel	Capacity - Peak Flow	Construct a 10,500 linear feet gravity tunnel interceptor with deep elevations between the Buffalo Creek Lift Station and the South Mesquite Regional WWTP. The tunnel will cross under the East Fork of the Trinity River.	\$26M - \$50M
South Mesquite RWWTP, Peak Flow Management and Expansion Phase II	Capacity - Peak Flow	Expand South Mesquite RWWTP to 41 MGD annual average daily flow. Project includes process units, electrical and SCADA improvements, and additional backup power (generator).	> \$50M

**Solid Waste System Projects**

Project	Project Driver	Description	Construction Cost Estimate
121 RDF, Fleet Maintenance Shop Improvements	Expanding/New Growth	Expansion to existing fleet maintenance shop. Add additional truck bays, offices, parts room, restroom and locker space and additional storage space.	\$2M - \$5M
121 RDF, South Slope Closure	Maintaining Aging Infrastructure	Final landfill cover for 75 acres on the south slope of the 121 RDF Landfill.	\$2M - \$5M
Parkway Transfer Station Conversion to Top Load	Maintaining Aging Infrastructure	Convert transfer station from side loading trucks to top loading trucks.	\$2M - \$5M
121 RDF, Heavy Equipment Shop Addition	Maintaining Aging Infrastructure	Expand 121 RDF Heavy Equipment Shop to provide for additional parts room, storage and work space.	\$2M - \$5M
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

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**2020-21  
UPCOMING BOND ISSUES**

## UPCOMING BOND ISSUES

System / Project	Type	Est Award	Amount
<b>Regional Water System - 05/01/2021</b>			
Additional Clearwells at Wylie WTP 2023	Cnstr	May-21	\$ 18,643,000
Additional Clearwells at Wylie WTP 2023	Insp	May-21	375,000
HSPS 2-2 and 2-3 Control Valve Improvements	Cnstr	May-21	6,472,000
HSPS 2-2 and 2-3 Control Valve Improvements	Insp	May-21	160,000
Water Treatment Plant Site Back-Up Power Improvements	Eng	May-21	2,845,000
Apollo Pump Station 2020 Electrical and Mechanical System Improvements	Cnstr	May-21	6,901,000
Water Transmission Pipeline Condition Assessment	Cnstr	Jul-21	3,372,000
Casa View Pump Station Mechanical Improvements	Eng	Jul-21	358,000
Water Transmission SCADA Network Split	Cnstr	Jul-21	2,575,000
Water Transmission SCADA Network Split	Insp	Jul-21	300,000
Trinity River Main Stem Pump Station - Lock and Dam Structure	Cnstr	Aug-21	1,810,000
Trinity River Main Stem Pump Station - Lock and Dam Structure	Insp	Aug-21	46,000
Wylie WTP Conversion to Biologically Active Filtration	Cnstr	Sep-21	35,740,000
<b>Total Project Cost</b>			<b>\$ 79,597,000</b>
Estimated Cost of Issuance			376,000
<b>Total</b>			<b>\$ 79,973,000</b>
<b>Regional Wastewater System - 01/01/2021 CWSRF</b>			
Rowlett Creek Regional WWTP Peak Flow Management Phase IIA Solids Improvements	Cnstr	Jan-21	\$ 30,000,000
Rowlett Creek Regional WWTP Peak Flow Management Phase IIA Solids Improvements	Cnstr	Jan-21	4,161,000
Rowlett Creek Regional WWTP Peak Flow Management Phase IIA Solids Improvements	Insp	Jan-21	1,150,000
<b>Total Project Cost</b>			<b>\$ 35,311,000</b>
Estimated Cost of Issuance			2,769,000
<b>Total</b>			<b>\$ 38,080,000</b>
<b>Regional Wastewater System - 01/01/2021</b>			
Wilson Creek RWWTP Step Feed Improvements	Cnstr	Feb-21	\$ 5,150,000
Wilson Creek RWWTP Step Feed Improvements	Insp	Feb-21	103,000
Wilson Creek Regional WWTP Aeration Basin Improvements	Cnstr	Feb-21	9,270,000
Wilson Creek Regional WWTP Aeration Basin Improvements	Insp	Feb-21	248,000
<b>Total Project Cost</b>			<b>\$ 14,771,000</b>
Estimated Cost of Issuance			179,000
<b>Total</b>			<b>\$ 14,950,000</b>
<b>Regional Wastewater System - 08/01/2021 CWSRF</b>			
South Mesquite Regional WWTP Peak Flow Management & Expansion Phase I	Cnstr	Aug-21	\$ 50,000,000
South Mesquite Regional WWTP Peak Flow Management & Expansion Phase I	Insp	Aug-21	1,000,000
South Mesquite Regional WWTP Peak Flow Management & Expansion Phase II	Eng	Aug-21	7,300,000
<b>Total Project Cost</b>			<b>\$ 58,300,000</b>
Estimated Cost of Issuance			2,760,000
<b>Total</b>			<b>\$ 61,060,000</b>

<b>System / Project</b>	<b>Type</b>	<b>Est Award</b>	<b>Amount</b>
<b>Upper East Fork Interceptor System - 02/01/2021</b>			
North McKinney Transfer Force Main	Cnstr	Feb-21	\$ 2,700,000
North McKinney Transfer Force Main	Insp	Feb-21	876,000
Sloan Creek Force Main	Cnstr	Feb-21	8,063,000
Sloan Creek Force Main	Insp	Feb-21	245,000
UEFIS Rehabilitation and Improvements	Eng	Feb-21	763,000
Richardson Spring Creek Trunk Sewer Improvements	Eng	Feb-21	138,000
North McKinney Transfer Lift Station	Cnstr	Feb-21	42,230,000
North McKinney Transfer Lift Station	Insp	Feb-21	943,000
McKinney-Prosper Transfer Sewer Phase I	Cnstr	Mar-21	18,850,000
McKinney-Prosper Transfer Sewer Phase I	Insp	Mar-21	380,000
121 Force Main Improvements	Eng	Mar-21	498,000
North McKinney Parallel Interceptor Improvements Phase II	Insp	Mar-21	245,000
Beck Branch and Prairie Creek LS and Renner Road LS HVAC Improvements	Eng	Apr-21	265,000
McKinney East Side Extension Improvements	Prop	Apr-21	850,000
121 Force Main Improvements	ROW	Jul-21	56,000
Preston Road Lift Station Expansion	Prop	Jul-21	1,140,000
<b>Total Project Cost</b>			<b>\$ 78,242,000</b>
Estimated Cost of Issuance			6,948,000
<b>Total</b>			<b>\$ 85,190,000</b>
<b>Regional Solid Waste System - 02/01/2021</b>			
Parkway Transfer Station Conversion to Top Load	Eng	Feb-21	\$ 252,000
Fleet Maintenance Shop Improvements	Eng	Mar-21	515,000
121 RDF Heavy Equipment Shop Addition	Cnstr	Apr-21	4,350,000
121 RDF Heavy Equipment Shop Addition	Insp	Apr-21	258,000
North Transfer Station	Prop	May-21	2,390,000
121 RDF South Slope Closure	Cnstr	May-21	3,400,000
121 RDF South Slope Closure	Insp	May-21	320,000
North Transfer Station	Perm	Jun-21	550,000
<b>Total Project Cost</b>			<b>\$ 12,035,000</b>
Estimated Cost of Issuance			625,000
<b>Total</b>			<b>\$ 12,660,000</b>
<b>Sabine Creek Wastewater Treatment Plant - 10/01/2020</b>			
Sabine Creek WWTP Feasibility Study & Master Plan	Cnstr	Jan-20	\$ 161,207
Sabine Creek Sub-Regional WWTP Improvements & Expansion to 5 MGD	Cnstr	Oct-20	1,829,000
<b>Total Project Cost</b>			<b>\$ 1,990,207</b>
Estimated Cost of Issuance			89,793
<b>Total</b>			<b>\$ 2,080,000</b>

System / Project	Type	Est Award	Amount
<b>Muddy Creek Wastewater Treatment Plant - 12/01/2020</b>			
Muddy Creek WWTP Peak Flow Storage Basin	Eng	Dec-20	\$ 1,061,000
Muddy Creek Expansion to 15 MGD	Eng	Dec-20	4,835,000
Muddy Creek WWTP Operations Building Improvements	Cnstr	Feb-21	1,400,000
Muddy Creek WWTP Operations Building Improvements	Insp	Feb-21	185,000
<b>Total Project Cost</b>			<b>\$ 7,481,000</b>
Estimated Cost of Issuance			764,000
<b>Total</b>			<b>\$ 8,245,000</b>

System / Project	Type	Est Award	Amount
<b>Buffalo Creek Interceptor - 12/01/2020</b>			
Buffalo Creek Parallel Interceptor Phase I	Cnstr	Dec-20	\$ 28,325,000
Buffalo Creek Parallel Interceptor Phase I	Insp	Dec-20	577,000
Buffalo Creek Parallel Interceptor Phase I	Cnstr	Dec-20	1,339,000
Buffalo Creek Interceptor Tunnel	Cnstr	Feb-21	569,000
<b>Total Project Cost</b>			<b>\$ 30,810,000</b>
Estimated Cost of Issuance			1,570,000
<b>Total</b>			<b>\$ 32,380,000</b>

<b>Buffalo Creek Interceptor - 08/01/2021 CWSRF</b>			
Buffalo Creek Interceptor Tunnel	Cnstr	Aug-21	\$ 32,620,000
Buffalo Creek Interceptor Tunnel	Cnstr	Aug-21	4,583,000
Buffalo Creek Interceptor Tunnel	Cnstr	Aug-21	2,413,000
<b>Total Project Cost</b>			<b>\$ 39,616,000</b>
Estimated Cost of Issuance			2,529,000
<b>Total</b>			<b>\$ 42,145,000</b>

<b>Forney Mustang Creek Interceptor - 08/01/2021</b>			
Forney Mustang Creek Lift Station Phase II and Forney Force Main Improvements	Cnstr	Aug-21	\$ 15,771,000
<b>Total Project Cost</b>			<b>\$ 15,771,000</b>
Estimated Cost of Issuance			1,059,000
<b>Total</b>			<b>\$ 16,830,000</b>

**Grand Total** **\$ 393,593,000**

Estimated Cost of Issuance may include Underwriter's Discount, Issuance Costs and required deposits to the Debt Service Reserve Fund.

**2020-21**  
**DEBT AMORTIZATION SCHEDULES**

## DEBT AMORTIZATION SCHEDULE

## REGIONAL WATER SYSTEM REVENUE BONDS

September 30, 2020

Fiscal Year	Interest Rate of Maturing Bonds	September 1 Principal	March 1 Interest	September 1 Interest	Total
2021	0.960-5.250	92,675,000	47,454,196	47,463,809	187,593,004
2022	1.100-5.250	92,925,000	45,837,550	45,837,550	184,600,100
2023	1.230-5.250	97,110,000	44,168,388	44,168,388	185,446,776
2024	1.340-5.000	100,605,000	42,387,650	42,387,650	185,380,300
2025	1.480-5.000	99,510,000	40,554,388	40,554,388	180,618,775
2026	1.580-5.000	103,135,000	38,743,594	38,743,594	180,622,189
2027	1.680-5.000	107,020,000	36,841,249	36,841,249	180,702,498
2028	1.850-5.000	108,350,000	35,021,028	35,021,028	178,392,055
2029	2.060-5.000	111,360,000	32,998,209	32,998,209	177,356,419
2030	2.250-5.000	114,755,000	30,853,211	30,853,211	176,461,422
2031	2.430-5.000	120,295,000	28,898,861	28,898,861	178,092,722
2032	2.530-5.000	125,165,000	26,617,917	26,617,917	178,400,835
2033	2.610-5.000	104,115,000	24,298,673	24,298,673	152,712,346
2034	2.680-5.000	107,970,000	22,365,079	22,365,079	152,700,158
2035	2.730-5.000	106,700,000	20,366,545	20,366,545	147,433,090
2036	2.770-5.000	93,660,000	18,376,443	18,376,443	130,412,887
2037	2.000-5.000	90,135,000	16,720,781	16,720,781	123,576,561
2038	2.000-4.000	93,220,000	15,219,931	15,219,931	123,659,862
2039	2.000-4.000	89,740,000	13,732,211	13,732,211	117,204,421
2040	2.000-4.000	86,645,000	12,284,746	12,284,746	111,214,493
2041	3.000-4.000	83,025,000	10,872,355	10,872,355	104,769,711
2042	3.000-4.000	85,845,000	9,476,880	9,476,880	104,798,760
2043	3.000-4.000	88,780,000	8,033,254	8,033,254	104,846,509
2044	3.000-4.000	91,820,000	6,538,680	6,538,680	104,897,359
2045	3.000-4.000	87,585,000	4,991,104	4,991,104	97,567,209
2046	3.000-4.000	90,495,000	3,535,729	3,535,729	97,566,457
2047	3.000-3.430	78,545,000	2,031,679	2,031,679	82,608,358
2048	3.000-3.430	37,450,000	776,381	776,381	39,002,763
2049	3.000	11,450,000	164,798	164,798	11,779,595
		<u>\$ 2,700,085,000</u>	<u>\$ 640,161,508</u>	<u>\$ 640,171,121</u>	<u>\$ 3,980,417,628</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 WATER SYSTEM UNITED STATES GOVERNMENT CONTRACTS PAYABLE - LAVON**

September 30, 2020

Fiscal Year	January 1			December 1		
	Principal	Interest at 3.225% per annum	TOTAL	Principal	Interest at 3.225% per annum	TOTAL
2021	532,775.66	132,556.64	665,332.30	792,657.67	136,330.38	928,988.05
2022	549,957.67	115,374.63	665,332.30	818,220.88	110,767.17	928,988.05
2023	567,693.81	97,638.49	665,332.30	844,608.50	84,379.55	928,988.05
2024	586,001.93	79,330.37	665,332.30	871,847.13	57,140.92	928,988.05
2025	604,900.49	60,431.81	665,332.30	899,964.45	29,023.85	928,988.30
2026	624,408.54	40,923.76	665,332.30	-	-	-
2027	644,545.39	20,786.59	665,331.98	-	-	-
	<u>\$ 4,110,283.49</u>	<u>\$ 547,042.29</u>	<u>\$ 4,657,325.78</u>	<u>\$ 4,227,298.63</u>	<u>\$ 417,641.87</u>	<u>\$ 4,644,940.50</u>

Long term debt outstanding at September 30, 2020, pursuant to contracts with the United States Government covering Lavon Reservoir facilities, is payable December 1 and January 1 of each year in annual installments of \$1,594,320 to 2025 and of \$665,332 thereafter to 2027.

## DEBT AMORTIZATION SCHEDULE

## REGIONAL WATER SYSTEM UNITED STATES GOVERNMENT CONTRACTS PAYABLE - CHAPMAN

September 30, 2020

Fiscal Year	June 11			November 27		
	Principal	Interest at 3.253% per annum	TOTAL	Principal	Interest at 3.253% per annum	TOTAL
2021	54,921.65	84,048.42	138,970.07	268,868.99	456,441.17	725,310.16
2022	56,708.25	82,261.82	138,970.07	277,615.30	447,694.86	725,310.16
2023	58,552.97	80,417.10	138,970.07	286,646.12	438,664.03	725,310.15
2024	60,457.70	78,512.37	138,970.07	295,970.72	429,339.44	725,310.16
2025	62,424.39	76,545.68	138,970.07	305,598.65	419,711.51	725,310.16
2026	64,455.06	74,515.02	138,970.08	315,539.77	409,770.38	725,310.15
2027	66,551.78	72,418.29	138,970.07	325,804.28	399,505.88	725,310.16
2028	68,716.71	70,253.37	138,970.08	336,402.69	388,907.46	725,310.15
2029	70,952.06	68,018.01	138,970.07	347,345.87	377,964.28	725,310.15
2030	73,260.13	65,709.94	138,970.07	358,645.04	366,665.12	725,310.16
2031	75,643.29	63,326.79	138,970.08	370,311.76	354,998.40	725,310.16
2032	78,103.96	60,866.11	138,970.07	382,358.00	342,952.16	725,310.16
2033	80,644.69	58,325.39	138,970.08	394,796.11	330,514.05	725,310.16
2034	83,268.06	55,702.02	138,970.08	407,638.82	317,671.33	725,310.15
2035	85,976.77	52,993.31	138,970.08	420,899.31	304,410.84	725,310.15
2036	88,773.59	50,196.48	138,970.07	434,591.17	290,718.99	725,310.16
2037	91,661.40	47,308.68	138,970.08	448,728.42	276,581.74	725,310.16
2038	94,643.14	44,326.93	138,970.07	463,325.56	261,984.60	725,310.16
2039	97,721.88	41,248.19	138,970.07	478,397.54	246,912.62	725,310.16
2040	100,900.78	38,069.30	138,970.08	493,959.81	231,350.35	725,310.16
2041	104,183.08	34,787.00	138,970.08	510,028.32	215,281.84	725,310.16
2042	107,572.15	31,397.92	138,970.07	526,619.54	198,690.62	725,310.16
2043	111,071.48	27,898.60	138,970.08	543,750.47	181,559.68	725,310.15
2044	114,684.63	24,285.44	138,970.07	561,438.68	163,871.48	725,310.16
2045	118,415.32	20,554.75	138,970.07	579,702.28	145,607.88	725,310.16
2046	122,267.37	16,702.70	138,970.07	598,559.99	126,750.16	725,310.15
2047	126,244.73	12,725.35	138,970.08	618,031.15	107,279.01	725,310.16
2048	130,351.47	8,618.60	138,970.07	638,135.70	87,174.45	725,310.15
2049	134,591.80	4,378.27	138,970.07	658,894.26	66,415.90	725,310.16
2050	-	-	-	680,328.09	44,982.07	725,310.16
2051	-	-	-	702,459.16	22,851.00	725,310.16
	<u>\$ 2,583,720.29</u>	<u>\$ 1,446,411.85</u>	<u>\$ 4,030,132.14</u>	<u>\$14,031,391.57</u>	<u>\$ 8,453,223.30</u>	<u>\$22,484,614.87</u>

Long term debt outstanding at September 30, 2020, pursuant to contracts with the United States Government covering Chapman Lake Reservoir facilities is payable June 11 and November 27 of each year in annual installments of \$864,280 through 2050. A final payment of \$725,310 is due in 2051.

## DEBT AMORTIZATION SCHEDULE

## REGIONAL WASTEWATER SYSTEM REVENUE BONDS

September 30, 2020

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2021	2.000-5.000	18,690,000.00	7,496,308.33	7,685,411.63	33,871,719.96
2022	2.000-5.000	20,595,000.00	7,305,961.63	7,305,961.63	35,206,923.26
2023	3.000-5.000	20,550,000.00	6,920,124.13	6,920,124.13	34,390,248.26
2024	3.000-5.000	20,710,000.00	6,598,511.63	6,598,511.63	33,907,023.26
2025	3.000-5.000	22,360,000.00	6,275,324.13	6,275,324.13	34,910,648.26
2026	3.000-5.000	26,995,000.00	5,923,383.51	5,923,383.51	38,841,767.02
2027	3.000-5.000	32,205,000.00	5,570,446.01	5,570,446.01	43,345,892.02
2028	3.000-5.000	32,895,000.00	5,224,677.26	5,224,677.26	43,344,354.52
2029	3.000-5.000	30,250,000.00	4,862,864.76	4,862,864.76	39,975,729.52
2030	3.125-5.000	28,295,000.00	4,568,586.63	4,568,586.63	37,432,173.26
2031	3.000-5.000	28,785,000.00	4,317,767.88	4,317,767.88	37,420,535.76
2032	3.125-5.000	28,285,000.00	4,077,099.13	4,077,099.13	36,439,198.26
2033	3.250-5.000	28,780,000.00	3,848,555.39	3,848,555.39	36,477,110.78
2034	3.375-5.000	27,535,000.00	3,609,108.51	3,609,108.51	34,753,217.02
2035	3.375-5.000	28,030,000.00	3,385,961.63	3,385,961.63	34,801,923.26
2036	2.000-5.000	28,555,000.00	3,153,142.88	3,153,142.88	34,861,285.76
2037	2.000-4.500	29,110,000.00	2,928,480.38	2,928,480.38	34,966,960.76
2038	2.125-4.500	29,685,000.00	2,702,905.38	2,702,905.38	35,090,810.76
2039	2.125-4.500	30,305,000.00	2,466,699.13	2,466,699.13	35,238,398.26
2040	2.250-5.000	30,940,000.00	2,230,108.51	2,230,108.51	35,400,217.02
2041	2.250-5.000	31,615,000.00	1,973,742.88	1,973,742.88	35,562,485.76
2042	0.020-5.000	32,315,000.00	1,712,333.51	1,712,333.51	35,739,667.02
2043	0.050-4.000	33,065,000.00	1,437,519.51	1,437,519.51	35,940,039.02
2044	0.080-4.000	33,835,000.00	1,160,480.13	1,160,480.13	36,155,960.26
2045	0.100-4.000	34,645,000.00	861,988.13	861,988.13	36,368,976.26
2046	0.110-4.000	32,340,000.00	557,256.25	557,256.25	33,454,512.50
2047	0.120-3.750	25,220,000.00	301,547.75	301,547.75	25,823,095.50
2048	0.130-3.250	22,260,000.00	175,793.75	175,793.75	22,611,587.50
2049	0.140-3.250	22,535,000.00	107,413.38	107,413.38	22,749,826.76
2050	0.150-2.500	20,355,000.00	35,887.50	35,887.50	20,426,775.00
		<u>\$831,740,000.00</u>	<u>\$101,789,979.63</u>	<u>\$101,979,082.93</u>	<u>\$1,035,509,062.56</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, 2020

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2021	3.000-6.250	14,020,000.00	6,091,140.36	6,205,405.64	26,316,546.00
2022	3.000-6.250	14,645,000.00	5,862,693.14	5,862,693.14	26,370,386.28
2023	3.000-6.250	15,330,000.00	5,504,730.64	5,504,730.64	26,339,461.28
2024	4.000-5.500	16,095,000.00	5,140,105.64	5,140,105.64	26,375,211.28
2025	4.000-5.500	15,685,000.00	4,748,893.14	4,748,893.14	25,182,786.28
2026	3.000-5.000	16,620,000.00	4,374,980.64	4,374,980.64	25,369,961.28
2027	3.000-5.000	17,460,000.00	3,987,880.64	3,987,880.64	25,435,761.28
2028	3.000-5.000	18,315,000.00	3,581,243.14	3,581,243.14	25,477,486.28
2029	3.000-5.000	16,915,000.00	3,166,105.64	3,166,105.64	23,247,211.28
2030	3.000-5.000	13,740,000.00	2,784,205.64	2,784,205.64	19,308,411.28
2031	3.000-5.000	14,300,000.00	2,528,974.39	2,528,974.39	19,357,948.78
2032	3.000-5.000	14,895,000.00	2,254,549.39	2,254,549.39	19,404,098.78
2033	3.000-5.000	12,100,000.00	1,993,005.63	1,993,005.63	16,086,011.26
2034	3.000-5.000	12,610,000.00	1,777,386.88	1,777,386.88	16,164,773.76
2035	3.000-5.000	13,135,000.00	1,551,361.88	1,551,361.88	16,237,723.76
2036	3.000-5.000	11,445,000.00	1,304,321.88	1,304,321.88	14,053,643.76
2037	2.000-4.000	8,980,000.00	1,090,784.38	1,090,784.38	11,161,568.76
2038	2.000-3.000	5,015,000.00	950,662.50	950,662.50	6,916,325.00
2039	2.125-3.000	5,155,000.00	887,337.50	887,337.50	6,929,675.00
2040	2.125-3.000	5,295,000.00	820,643.75	820,643.75	6,936,287.50
2041	2.250-3.000	5,465,000.00	752,068.75	752,068.75	6,969,137.50
2042	2.250-3.000	5,635,000.00	679,600.00	679,600.00	6,994,200.00
2043	2.500-3.000	5,815,000.00	604,787.50	604,787.50	7,024,575.00
2044	2.500-3.000	6,010,000.00	524,187.50	524,187.50	7,058,375.00
2045	2.500-3.000	6,205,000.00	440,825.00	440,825.00	7,086,650.00
2046	2.500-3.000	6,410,000.00	354,700.00	354,700.00	7,119,400.00
2047	2.500-3.000	5,360,000.00	265,675.00	265,675.00	5,891,350.00
2048	2.500-3.000	5,525,000.00	192,587.50	192,587.50	5,910,175.00
2049	2.500-3.000	5,700,000.00	117,200.00	117,200.00	5,934,400.00
2050	2.500	3,150,000.00	39,375.00	39,375.00	3,228,750.00
		<u>\$317,030,000.00</u>	<u>\$ 64,372,013.05</u>	<u>\$ 64,486,278.33</u>	<u>\$445,888,291.38</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, 2020

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2021	4.000-5.000	1,390,000.00	246,731.25	246,731.25	1,883,462.50
2022	4.000-5.000	1,470,000.00	213,606.25	213,606.25	1,897,212.50
2023	4.000-5.000	1,550,000.00	178,556.25	178,556.25	1,907,112.50
2024	3.000-4.000	1,625,000.00	141,581.25	141,581.25	1,908,162.50
2025	3.000	380,000.00	115,356.25	115,356.25	610,712.50
2026	3.000	390,000.00	109,656.25	109,656.25	609,312.50
2027	3.000	405,000.00	103,806.25	103,806.25	612,612.50
2028	3.000	205,000.00	97,731.25	97,731.25	400,462.50
2029	4.000	210,000.00	94,656.25	94,656.25	399,312.50
2030	4.000	220,000.00	90,456.25	90,456.25	400,912.50
2031	4.000	225,000.00	86,056.25	86,056.25	397,112.50
2032	4.000	235,000.00	81,556.25	81,556.25	398,112.50
2033	3.000	245,000.00	76,856.25	76,856.25	398,712.50
2034	3.000	250,000.00	73,181.25	73,181.25	396,362.50
2035	3.000	260,000.00	69,431.25	69,431.25	398,862.50
2036	3.000	265,000.00	65,531.25	65,531.25	396,062.50
2037	3.000	275,000.00	61,556.25	61,556.25	398,112.50
2038	3.000	285,000.00	57,431.25	57,431.25	399,862.50
2039	3.000	290,000.00	53,156.25	53,156.25	396,312.50
2040	3.000	300,000.00	48,806.25	48,806.25	397,612.50
2041	3.000	310,000.00	44,306.25	44,306.25	398,612.50
2042	3.000	320,000.00	39,656.25	39,656.25	399,312.50
2043	3.000	330,000.00	34,856.25	34,856.25	399,712.50
2044	2.750	340,000.00	29,906.25	29,906.25	399,812.50
2045	2.750	350,000.00	25,231.25	25,231.25	400,462.50
2046	2.750	355,000.00	20,418.75	20,418.75	395,837.50
2047	2.750	365,000.00	15,537.50	15,537.50	396,075.00
2048	2.750	375,000.00	10,518.75	10,518.75	396,037.50
2049	2.750	390,000.00	5,362.50	5,362.50	400,725.00
		<u>\$13,610,000.00</u>	<u>\$ 2,291,493.75</u>	<u>\$ 2,291,493.75</u>	<u>\$18,192,987.50</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****LITTLE ELM WATER TRANSMISSION FACILITIES REVENUE BONDS**

September 30, 2020

<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>
2021	2.000	380,000.00	11,750.00	11,750.00	403,500.00
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>\$ 1,175,000.00</u>	<u>\$ 23,750.00</u>	<u>\$ 23,750.00</u>	<u>\$ 1,222,500.00</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, 2020

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2021	5.000	1,030,000.00	136,575.00	136,575.00	1,303,150.00
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>\$ 6,930,000.00</u>	<u>\$ 449,550.00</u>	<u>\$ 449,550.00</u>	<u>\$ 7,829,100.00</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, 2020

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2021	3.000-4.750	1,915,000.00	264,062.50	264,062.50	2,443,125.00
2022	3.000-5.000	1,990,000.00	227,287.50	227,287.50	2,444,575.00
2023	3.000-5.000	2,075,000.00	186,487.50	186,487.50	2,447,975.00
2024	3.000	955,000.00	142,112.50	142,112.50	1,239,225.00
2025	2.875-3.000	990,000.00	127,787.50	127,787.50	1,245,575.00
2026	2.750-4.000	1,030,000.00	113,168.75	113,168.75	1,256,337.50
2027	4.000	395,000.00	94,975.00	94,975.00	584,950.00
2028	4.000	410,000.00	87,075.00	87,075.00	584,150.00
2029	3.000	425,000.00	78,875.00	78,875.00	582,750.00
2030	4.000	440,000.00	72,500.00	72,500.00	585,000.00
2031	3.000	455,000.00	63,700.00	63,700.00	582,400.00
2032	3.000	470,000.00	56,875.00	56,875.00	583,750.00
2033	3.000	485,000.00	49,825.00	49,825.00	584,650.00
2034	3.000	500,000.00	42,550.00	42,550.00	585,100.00
2035	3.125	515,000.00	35,050.00	35,050.00	585,100.00
2036	3.250	530,000.00	27,003.13	27,003.13	584,006.26
2037	3.250	545,000.00	18,390.63	18,390.63	581,781.26
2038	3.375	565,000.00	9,534.38	9,534.38	584,068.76
		<u>\$14,690,000.00</u>	<u>\$ 1,697,259.39</u>	<u>\$ 1,697,259.39</u>	<u>\$18,084,518.78</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, 2020

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2021	4.000	225,000.00	15,375.00	15,375.00	255,750.00
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>\$ 950,000.00</u>	<u>\$ 37,350.00</u>	<u>\$ 37,350.00</u>	<u>\$ 1,024,700.00</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, 2020

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2021	3.000-5.000	700,000.00	506,268.76	632,954.77	1,839,223.53
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>\$32,165,000.00</u>	<u>\$ 8,603,828.35</u>	<u>\$ 8,730,514.36</u>	<u>\$49,499,342.71</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, 2020

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2021	4.000-5.000	\$ 3,015,000.00	\$ 662,334.31	\$ 660,353.13	\$ 4,337,687.44
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>\$28,320,000.00</u>	<u>\$ 3,423,612.52</u>	<u>\$ 3,421,631.34</u>	<u>\$35,165,243.86</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****PARKER CREEK INTERCEPTOR REVENUE BONDS**

September 30, 2020

<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>
2021	5.125	190,000.00	15,375.00	15,375.00	220,750.00
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>\$ 600,000.00</u>	<u>\$ 31,262.50</u>	<u>\$ 31,262.50</u>	<u>\$ 662,525.00</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, 2020

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2021	2.000	120,000.00	32,678.13	32,678.13	185,356.26
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>\$ 2,575,000.00</u>	<u>\$ 321,950.04</u>	<u>\$ 321,950.04</u>	<u>\$ 3,218,900.08</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, 2020

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2021	5.500	160,000.00	44,506.25	44,506.25	249,012.50
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>\$ 1,555,000.00</u>	<u>\$ 214,131.25</u>	<u>\$ 214,131.25</u>	<u>\$ 1,983,262.50</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**

**ROCKWALL WATER PUMP STATION FACILITIES REVENUE BONDS**

September 30, 2020

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2021	4.500	130,000.00	19,885.00	19,885.00	169,770.00
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>\$ 875,000.00</u>	<u>\$ 72,695.00</u>	<u>\$ 72,695.00</u>	<u>\$ 1,020,390.00</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, 2020

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2021	4.100	185,000.00	21,391.25	21,391.25	227,782.50
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>\$ 1,025,000.00</u>	<u>\$ 66,668.75</u>	<u>\$ 66,668.75</u>	<u>\$ 1,158,337.50</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

## SABINE CREEK WASTEWATER TREATMENT PLANT REVENUE BONDS

September 30, 2020

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2021	3.000-4.000	1,100,000.00	181,237.50	181,237.50	1,462,475.00
2022	3.000-4.000	1,130,000.00	162,437.50	162,437.50	1,454,875.00
2023	3.000-4.000	1,175,000.00	143,112.50	143,112.50	1,461,225.00
2024	4.000	515,000.00	123,012.50	123,012.50	761,025.00
2025	4.000	535,000.00	112,712.50	112,712.50	760,425.00
2026	3.500	560,000.00	102,012.50	102,012.50	764,025.00
2027	2.250	575,000.00	92,212.50	92,212.50	759,425.00
2028	2.375	590,000.00	85,743.75	85,743.75	761,487.50
2029	2.500	605,000.00	78,737.50	78,737.50	762,475.00
2030	3.000	620,000.00	71,175.00	71,175.00	762,350.00
2031	3.000	640,000.00	61,875.00	61,875.00	763,750.00
2032	3.000	655,000.00	52,275.00	52,275.00	759,550.00
2033	3.000	675,000.00	42,450.00	42,450.00	759,900.00
2034	3.000	695,000.00	32,325.00	32,325.00	759,650.00
2035	3.000	720,000.00	21,900.00	21,900.00	763,800.00
2036	3.000	740,000.00	11,100.00	11,100.00	762,200.00
		<u>\$ 11,530,000.00</u>	<u>\$ 1,374,318.75</u>	<u>\$ 1,374,318.75</u>	<u>\$ 14,278,637.50</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****SABINE CREEK INTERCEPTOR REVENUE BONDS**

September 30, 2020

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2021	5.125	155,000.00	12,428.13	12,428.13	179,856.26
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>\$ 485,000.00</u>	<u>\$ 25,240.63</u>	<u>\$ 25,240.63</u>	<u>\$ 535,481.26</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, 2020

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2021	5.000	2,570,000.00	1,076,468.75	1,076,468.75	4,722,937.50
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>\$53,220,000.00</u>	<u>\$ 9,088,200.00</u>	<u>\$ 9,088,200.00</u>	<u>\$71,396,400.00</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

## TERRELL WATER TRANSMISSION FACILITIES REVENUE BONDS

September 30, 2020

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2021	3.000	425,000.00	153,415.63	153,415.63	731,831.26
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>\$ 8,430,000.00</u>	<u>\$ 1,402,637.56</u>	<u>\$ 1,402,637.56</u>	<u>\$ 11,235,275.12</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, 2020

Fiscal Year	Interest Rate of Maturing Bonds	September 1 Principal	March 1 Interest	September 1 Interest	Total
2021	4.000-5.000	3,135,000.00	1,010,440.63	1,010,440.63	5,155,881.26
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>\$ 49,180,000.00</u>	<u>\$ 7,353,256.33</u>	<u>\$ 7,353,256.33</u>	<u>\$ 63,886,512.66</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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**2020-21  
EMPLOYEE SCHEDULES**

## EMPLOYEE POSITION AND GRADE BY DEPARTMENT

## 101 Regional Water System

<b>5330 Plant Operations</b>			
<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Assistant Deputy (Water)	47	1.0	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	1.0
Water Operations Technical Support Manager	42	1.0	1.0
Asset Risk Manager	38	1.0	1.0
Assistant Water System Manager - Transmission	38	1.0	1.0
Assistant Water System Manager - Treatment	38	1.0	1.0
Water Resource Program & Public Education Manager	38	1.0	1.0
Water Treatment Plant Manager - Wylie	38	1.0	1.0
Watershed Manager	38	1.0	1.0
Professional Engineer	37	2.0	2.0
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	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>83.0</b>

<b>5333 Tawakoni Raw Water Station and WTP</b>			
<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
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	7.0	6.0
<b>Total Full-Time Positions</b>		<b>12.0</b>	<b>11.0</b>

<b>5334 Eastfork Raw Water Supply (The Wetlands)</b>			
<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</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>

<b>5335 Bonham WTP</b>			
<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</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>

<b>5336 Bois D’Arc Lake</b>			
<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
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 Operator II	23	-	1.0
<b>Total Full-Time Positions</b>		<b>2.0</b>	<b>3.0</b>

<b>5337 Leonard WTP</b>			
<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Water Treatment Plant Manager	35	1.0	1.0
Lead Water Plant Operator	27	2.0	2.0
Water Plant Operator II	23	4.0	5.0
<b>Total Full-Time Positions</b>		<b>7.0</b>	<b>8.0</b>

<b>5338 Transmission System</b>			
<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Lead Control Room Operator - Transmission	27	1.0	-
Lead Transmission System Operator	26	2.0	2.0
Transmission System Operator II	21	2.0	2.0
<b>Total Full-Time Positions</b>		<b>5.0</b>	<b>4.0</b>

<b>Total Regional Water System Positions</b>	<b>127.0</b>	<b>127.0</b>
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### 301 Regional Wastewater System

<b>5080 Wilson Creek Regional Wastewater Treatment Plant</b>			
<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Assistant Deputy (Wastewater)	47	1.0	1.0
Assistant Wastewater System Manager	38	1.0	1.0
Training and Development Manager	38	1.0	1.0
Professional Engineer	37	1.0	1.0

**5080 Wilson Creek Regional Wastewater Treatment Plant (Continued)**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
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	18.0
Information Systems Assistant	22	2.0	2.0
Transport Driver	22	13.0	13.0
Mechanic's Assistant	20	3.0	3.0
<b>Total Full-Time Positions</b>		<b>66.0</b>	<b>67.0</b>

**5090 Floyd Branch Regional Wastewater Treatment Plant**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
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>7.0</b>

**5100 Rowlett Creek Regional Wastewater Treatment Plant**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Asset Risk Manager	38	1.0	1.0
Wastewater Plant Supervisor II	33	1.0	1.0
Chief Wastewater Plant Operator	28	1.0	1.0
Lead Wastewater Plant Operator	27	3.0	3.0
Lead Dewatering Plant Operator	26	1.0	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
Wastewater Technician I	25	0.5	0.5
Wastewater Plant Operator II	23	6.0	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>28.5</b>	<b>29.5</b>

**5180 South Mesquite Regional Wastewater Treatment Plant**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Regional Wastewater System Manager	44	1.0	1.0
Assistant Wastewater System Manager	38	1.0	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	10.0	11.0
Information Systems Assistant	22	1.0	1.0
Transport Driver	22	5.0	5.0
Mechanic's Assistant	20	2.0	2.0
<b>Total Full-Time Positions</b>		<b>35.0</b>	<b>36.0</b>

**Total Regional Wastewater System Positions** 136.5      139.5

**501 Upper East Fork Interceptor System**

**501 Upper East Fork Interceptor System**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</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 Wastewater Plant Operator	27	1.0	1.0
Wastewater Conveyance Operator III	26	3.0	3.0
Wastewater Technician I	25	0.3	0.3
Wastewater Conveyance Operator II	23	8.0	8.0
Information Systems Assistant	22	1.0	1.0
Odor Control Worker	18	2.0	2.0
<b>Total Full-Time Positions</b>		<b>22.3</b>	<b>22.3</b>

**Total Upper East Fork Interceptor System Positions** 22.3      22.3

**Sewer System**

**307 Panther Creek Wastewater Treatment Plant**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Sewer System Plants Manager	44	0.33	0.33
Wastewater Plant Supervisor II	33	1.00	1.00
Chief Wastewater Plant Operator	28	1.00	1.00
Wastewater Technician II	28	1.00	1.00
Lead Wastewater Plant Operator	27	2.00	2.00

<b>307 Panther Creek Wastewater Treatment Plant (Continued)</b>			
<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Wastewater Plant Operator III	26	4.00	4.00
Wastewater Plant Operator II	23	8.00	8.00
Information Systems Assistant	22	0.50	1.00
<b>Total Full-Time Positions</b>		<b>17.83</b>	<b>18.33</b>

<b>309 Stewart Creek Wastewater Treatment Plant</b>			
<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</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	1.50	1.00
<b>Total Full-Time Positions</b>		<b>19.50</b>	<b>19.00</b>

<b>310 Muddy Creek Wastewater Treatment Plant</b>			
<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Sewer System Plants Manager	44	0.18	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	1.20
Wastewater Plant Operator II	23	8.00	7.00
Information Systems Assistant	22	1.00	1.00
<b>Total Full-Time Positions</b>		<b>19.38</b>	<b>18.38</b>

<b>601 Small Wastewater Treatment Plants</b>			
<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Sewer System Plants Manager	44	0.50	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 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>10.50</b>

<b>Subtotal Sewer System WWTPs Positions</b>		<b>67.20</b>	<b>66.20</b>
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**604 Wastewater Pretreatment Department**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Assistant Deputy (Technology & Support)	47	0.20	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>

<b>Total Sewer System Positions</b>	<b>75.35</b>	<b>74.35</b>
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**401 Regional Solid Waste System**

**5511 Lookout Transfer Station**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Assistant Deputy (Solid Waste)	47	0.20	0.20
Solid Waste System Manager	44	0.25	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	8.00	9.00
Scale Operator	21	2.00	2.00
<b>Total Full-Time Positions</b>		<b>14.99</b>	<b>15.99</b>

**5512 Parkway Transfer Station**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Assistant Deputy (Solid Waste)	47	0.20	0.20
Solid Waste System Manager	44	0.25	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	11.00	10.00
Scale Operator	21	2.00	2.00
<b>Total Full-Time Positions</b>		<b>17.98</b>	<b>16.98</b>

**5513 Custer Transfer Station**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Assistant Deputy (Solid Waste)	47	0.20	0.20
Solid Waste System Manager	44	0.25	0.25
Transfer Station Manager	38	0.33	0.33
Transfer Station Foreman	26	1.00	1.00

**5513 Custer Transfer Station (Continued)**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
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>23.98</b>

**5523 121 Regional Disposal Facility**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Assistant Deputy (Solid Waste)	47	0.20	0.20
Solid Waste System Manager	44	0.25	0.25
Landfill Manager	38	1.00	1.00
Landfill Supervisor	31	1.00	-
Heavy Equipment Shop Foreman	28	1.00	-
Heavy Equipment Mechanic	26	3.00	-
Lead Heavy Equipment Operator	25	2.00	2.00
Heavy Equipment Operator	23	18.00	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	3.00
Scale Operator (Part-Time)	21	1.00	1.00
Parts Worker	18	1.00	1.00
Landfill Spotter	17	1.00	1.00
<b>Total Full-Time Positions</b>		<b>34.65</b>	<b>30.65</b>

**5530 Fleet Maintenance Shop**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Assistant Deputy (Solid Waste)	47	0.20	0.20
Fleet Manager	38	1.00	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
Lead Fleet Maintenance Equipment Mechanic	27	1.00	1.00
Heavy Equipment Mechanic	26	-	4.00
Fleet Maintenance Equipment Mechanic	25	8.00	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
Fleet Maintenance Shop Assistant	20	6.00	5.00
<b>Total Full-Time Positions</b>		<b>21.40</b>	<b>26.40</b>

**Total Regional Solid Waste System Positions**

<b>113.00</b>	<b>114.00</b>
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## 100 Support Fund

<b>5701 General Department</b>			
<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</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	1.00
Process Improvement Advisor	44	1.00	1.00
Special Projects Manager (Training and Dev Manager - In Lieu Of)	40	1.00	1.00
Energy Program Manager	38	1.00	1.00
Executive Assistant	38	1.00	1.00
Government Relations Advisor	35	1.00	1.00
Executive Administrative Assistant	30	1.00	1.00
Senior Administrative Assistant	27	1.00	1.00
Administrative Assistant (Sr. Admin Asst - In Lieu Of)	24	1.00	1.00
<b>Total Full-Time Positions</b>		<b>12.00</b>	<b>12.00</b>

<b>5702 Public Relations</b>			
<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Public Relations & Communications Officer	41	1.00	1.00
Public Relations Coordinator (PR Specialist - In Lieu Of)	30	1.00	1.00
Public Relations Specialist	30	1.00	1.00
Public Relations Assistant	24	1.00	1.00
<b>Total Full-Time Positions</b>		<b>4.00</b>	<b>4.00</b>

<b>5713 Engineering</b>			
<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</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	1.00
Real Estate Manager	43	1.00	1.00
Construction Manager	38	1.00	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	1.00
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	1.00
Engineering Projects Coordinator	35	1.00	1.00
Registered Surveyor	35	1.00	1.00
Assistant Construction Manager	34	1.00	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

**5713 Engineering (Continued)**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Contracts Coordinator	28	1.00	1.00
Engineering Technician	28	6.00	6.00
Senior Construction Inspector	28	6.00	6.00
Construction Inspector II	27	12.00	12.00
Construction Inspector I	25	19.00	19.00
Administrative Technician	22	5.00	5.00
<b>Total Full-Time Positions</b>		<b>91.90</b>	<b>91.90</b>

**5714 Permitting**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Assistant Deputy (CIP)	47	0.10	0.10
Environmental Manager	38	1.00	1.00
Permit Coordinator	31	1.00	1.00
<b>Total Full-Time Positions</b>		<b>2.10</b>	<b>2.10</b>

**5721 Control Systems**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</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	1.00
Control Systems Senior Technician	30	4.00	4.00
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>FY20</b>	<b>FY21</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
Heavy Equipment Operator	23	6.00	6.00
Painting / Carpentry Crewleader	23	1.00	1.00
Administrative Technician	22	1.00	1.00
Lead Maintenance Worker - Carpentry	21	1.00	1.00

**5722 Facilities Services (Continued)**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Lead Maintenance Worker - Paint	21	1.00	1.00
Lead Maintenance Worker - Pipeline	21	7.00	7.00
Light Equipment Operator	21	1.00	1.00
Maintenance Worker - Paint / Carpentry	20	5.00	5.00
Maintenance Worker - Pipeline	20	20.00	20.00
Custodian	16	6.00	6.00
<b>Total Full-Time Positions</b>		<b>64.45</b>	<b>64.45</b>

**5723 Technical Services**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</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
Technical Services Manager	36	1.00	1.00
Electrical Superintendent	32	1.00	1.00
Instrumentation Superintendent	32	1.00	1.00
Maintenance Superintendent (Leonard)	31	-	1.00
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	1.00
Technical Services Coordinator	29	1.00	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
Ozone Instrumentation Technician	27	8.00	8.00
Electrician	26	11.00	11.00
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
Welder	24	5.00	5.00
Administrative Technician	22	1.00	1.00
Maintenance Shop Assistant	20	9.00	8.00
Parts Worker	18	1.00	1.00
<b>Total Full-Time Positions</b>		<b>95.45</b>	<b>95.45</b>

**5751 Human Resources**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Assistant Deputy (HR & Admin)	47	0.50	0.50
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
HR Specialist	25	1.00	1.00
Human Resources Technician	22	4.00	4.00
Receptionist	18	2.00	2.00
<b>Total Full-Time Positions</b>		<b>11.50</b>	<b>11.50</b>

**5752 Records**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Assistant Deputy (HR & Admin)	47	0.10	0.10
Records Manager	38	1.00	1.00
Records Specialist (Digital Process Designer - In Lieu Of)	30	1.00	1.00
Records Technician	25	4.00	4.00
<b>Total Full-Time Positions</b>		<b>6.10</b>	<b>6.10</b>

**5753 Safety**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Assistant Deputy (HR & Admin)	47	0.40	0.40
Health & Safety Manager	43	1.00	1.00
Emergency Operations Program Manager	35	1.00	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
<b>Total Full-Time Positions</b>		<b>8.40</b>	<b>8.40</b>

**5761 Accounting**

<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</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>

<b>5762 Finance</b>			
<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</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
Investment Coordinator	26	1.00	1.00
Budget Coordinator	25	1.00	1.00
Financial Analyst I (SWIFT)	25	1.00	1.00
Financial Assistant	24	1.00	1.00
Accounting Technician (Contract Coordinator - In Lieu Of)	22	1.00	1.00
<b>Total Full-Time Positions</b>		<b>10.50</b>	<b>10.50</b>

<b>5763 Purchasing</b>			
<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Purchasing Manager	43	1.00	1.00
Contract Administrator	34	3.00	3.00
<b>Total Full-Time Positions</b>		<b>4.00</b>	<b>4.00</b>

<b>5771 Information Technology</b>			
<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Assistant Deputy (Technology & Support)	47	0.20	0.20
Information Technology Manager	42	1.00	1.00
Information Systems Manager	39	1.00	1.00
Information Technology Supervisor	31	1.00	1.00
Control Systems Senior Technician (IT Sr Tech - ILO)	30	1.00	1.00
Information Technology Senior Technician	29	1.00	1.00
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	2.00
Information Technology Technician	23	2.00	2.00
Administrative Technician	22	1.00	1.00
Information Systems Assistant	22	5.00	4.00
<b>Total Full-Time Positions</b>		<b>19.20</b>	<b>18.20</b>

<b>5772 Environmental Services</b>			
<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Assistant Deputy (Technology & Support)	47	0.20	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

<b>5772 Environmental Services (continued)</b>			
<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Quality System Technician	27	1.00	1.00
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>

<b>5773 Laboratory Services</b>			
<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Assistant Deputy (Technology & Support)	47	0.20	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	1.00
Laboratory Data Validator	27	1.00	1.00
Senior Laboratory Technician	27	10.00	10.00
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>

<b>5774 Regulatory Compliance</b>			
<b>Full-Time Positions</b>	<b>Grade</b>	<b>FY20</b>	<b>FY21</b>
Assistant Deputy (Technology & Support)	47	0.20	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>

<b>Total Support Fund Positions</b>		<b>398.85</b>	<b>397.85</b>
<b>Total All Systems Positions</b>		<b>873.00</b>	<b>875.00</b>

**SALARY SCHEDULE  
ANNUAL AMOUNTS**

<b>Grade</b>	<b>Minimum</b>	<b>Midpoint</b>	<b>Maximum</b>
16	\$31,117	\$38,585	\$46,054
17	\$32,755	\$40,616	\$48,477
18	\$34,393	\$42,647	\$50,901
19	\$36,112	\$44,779	\$53,446
20	\$37,917	\$47,018	\$56,119
21	\$39,813	\$49,369	\$58,924
22	\$41,805	\$51,838	\$61,871
23	\$43,895	\$54,429	\$64,964
24	\$46,089	\$57,151	\$68,212
25	\$48,394	\$60,008	\$71,623
26	\$50,813	\$63,009	\$75,204
27	\$53,355	\$66,160	\$78,964
28	\$56,022	\$69,468	\$82,913
29	\$58,823	\$72,941	\$87,059
30	\$61,764	\$76,588	\$91,412
31	\$64,852	\$80,417	\$95,982
32	\$68,096	\$84,438	\$100,781
33	\$71,501	\$88,660	\$105,820
34	\$75,074	\$93,093	\$111,111
35	\$78,828	\$97,747	\$116,666
36	\$82,770	\$102,635	\$122,500
37	\$86,908	\$107,767	\$128,625
38	\$91,254	\$113,155	\$135,055
39	\$95,817	\$118,812	\$141,808
40	\$100,607	\$124,753	\$148,900
41	\$105,638	\$130,991	\$156,344
42	\$110,919	\$137,540	\$164,161
43	\$116,466	\$144,418	\$172,369
44	\$122,290	\$151,639	\$180,988
45	\$128,403	\$159,220	\$190,037
46	\$134,824	\$167,182	\$199,539
47	\$141,565	\$175,540	\$209,515
48	\$148,644	\$184,318	\$219,992
DD	\$200,000	\$230,000	\$260,000
ED	\$260,000	\$290,000	\$320,000

PLUS - THE FOLLOWING PAY FOR TCEQ REQUIRED LICENSE.

<b>LICENSE</b>	<b>MONTHLY</b>
A	\$150.00
B	\$75.00
C	\$50.00

PLUS - THE FOLLOWING SHIFT DIFFERENTIAL PAY FOR MONDAY THROUGH SUNDAY.

<b>SHIFT</b>	<b>HOURLY</b>
1ST	\$0.00
2ND	\$0.75
3RD	\$1.00

PLUS - THE FOLLOWING PAY FOR HAZMAT CERTIFICATION.

<b>PROGRAM</b>	<b>MONTHLY</b>
HAZMAT PAY	\$166.67

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**2020-21  
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 Ad 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 bond is a written promise to pay a specified sum of money (principal) at a specified future date (maturity date), as well as periodic interest paid at a specified percentage of the principal (interest rate).
<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>CAFR</b>	Acronym for Comprehensive Annual Financial Report
<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>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>Sludge</b>	Solid, semi-solid or liquid by-product of wastewater treatment.
<b>SOP</b>	Acronym for Standard Operating Procedures
<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</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.

**2020-21  
BUDGET RESOLUTION**

**NORTH TEXAS MUNICIPAL WATER DISTRICT**

RESOLUTION NO. 20 -

A RESOLUTION APPROVING APPROPRIATIONS  
 FOR THE 2020-21 ALL SYSTEMS ANNUAL BUDGET,  
 AMENDING THE 2019-20  
 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 Interim 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 2020-21 ALL SYSTEMS ANNUAL BUDGET BE APPROVED AS SUBMITTED BY THE INTERIM EXECUTIVE DIRECTOR FOR THE FISCAL YEAR OCTOBER 1, 2020 THROUGH SEPTEMBER 30, 2021. 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 2020-21 Annual All Systems Budget document and the Interim 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:

	<u>2019-2020</u> <u>Amended Budget</u>	<u>2020-2021</u> <u>Budget</u>
<u>By System:</u>		
Regional Water System	\$353,809,855	\$365,403,610
Regional Wastewater System	76,933,115	80,523,835
Upper East Fork Interceptor System	38,932,755	39,961,760
Sewer System	41,847,775	45,822,320
Regional Solid Waste System	38,133,395	38,444,515
Total	<u>\$549,656,895</u>	<u>\$570,156,040</u>

	2019-2020 <u>Amended Budget</u>	2020-2021 <u>Budget</u>
<b>By Character:</b>		
Personnel	\$91,135,040	\$91,914,145
Supplies	65,086,380	70,098,080
Services	75,374,645	86,741,445
Capital Outlay	11,721,970	13,496,175
Escrow	4,363,045	3,042,750
Capital Improvement	35,874,000	36,497,900
Debt Service	266,101,815	268,365,545
Total	<u>\$549,656,895</u>	<u>\$570,156,040</u>

2. The Amended Budget, as set forth in the 2020-21 All Systems Annual Budget Document, shall be approved as the authorized Amended Budget for the 2019-20 Fiscal Year and the Proposed Budget, as set forth in the 2020-21 All Systems Annual Budget Document, shall be approved as the authorized Budget for the 2020-21 Fiscal Year.

3. The Salary Plan as set forth in the 2020-21 All Systems Annual Budget Document shall be applicable to all District employees, including the Interim Executive Director and the Deputy Directors, and salaries shall be paid during the 2020-21 Fiscal Year in biweekly payments (every two weeks).

4. The salary for the Interim Executive Director and the Deputy Directors shall be payable in increments of the regular payroll of the District in annual amounts for the Interim Executive Director of \$\_\_\_\_\_, the Deputy Director (Operations & Maintenance) of \$\_\_\_\_\_, the Deputy Director (Engineering & CIP) of \$\_\_\_\_\_, and for the Deputy Director (Administrative Services) of \$\_\_\_\_\_.

5. The District shall fund the Deferred Compensation accounts for the Interim Executive Director and the Deputy Directors in annual amounts for the Interim Executive Director of \$\_\_\_\_\_, the Deputy Director (Operations & Maintenance) of \$\_\_\_\_\_, the Deputy Director (Engineering & CIP) 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 2020-21 Fiscal Year.

WHOLESALE TREATED WATER RATES

<u>Entity</u>	Minimum Annual Demand 1,000 gallons	Water Rate per 1,000 gallons	Minimum Annual Charge	Excess Water Rate per 1,000 gallons
Members:				
Allen	6,011,208	\$ 2.99	\$ 17,973,511.92	\$0.49
Farmersville	280,467	\$ 2.99	\$ 838,596.33	\$0.49
Forney	2,345,109	\$ 2.99	\$ 7,011,875.91	\$0.49
Frisco	11,910,250	\$ 2.99	\$ 35,611,647.50	\$0.49
Garland	13,721,955	\$ 2.99	\$ 41,028,645.45	\$0.49
McKinney	11,963,029	\$ 2.99	\$ 35,769,456.71	\$0.49

Entity	Minimum Annual Demand 1,000 gallons	Water Rate per 1,000 gallons	Minimum Annual Charge	Excess Water Rate per 1,000 gallons
Mesquite	8,297,666	\$ 2.99	\$ 24,810,021.34	\$0.49
Plano	26,719,809	\$ 2.99	\$ 79,892,228.91	\$0.49
Princeton	660,682	\$ 2.99	\$ 1,975,439.18	\$0.49
Richardson	11,019,311	\$ 2.99	\$ 32,947,739.89	\$0.49
Rockwall	4,190,133	\$ 2.99	\$ 12,528,497.67	\$0.49
Royse City	565,932	\$ 2.99	\$ 1,692,136.68	\$0.49
Wylie	1,877,558	\$ 2.99	\$ 5,613,898.42	\$0.49
Total Members	99,563,109		\$ 297,693,695.91	
Customers:				
Ables Springs SUD	92,442	\$ 3.04	\$ 281,023.68	\$0.54 a
Bear Creek SUD	255,565	\$ 3.04	\$ 776,917.60	\$0.54
BHP WSC	153,853	\$ 3.04	\$ 467,713.12	d
Bonham	640,000	\$ 2.99 b	\$ 1,913,600.00	c
Caddo Basin SUD	419,626	\$ 3.04	\$ 1,275,663.04	\$0.54
Cash SUD	305,643	\$ 3.04	\$ 929,154.72	d
College Mound SUD	78,066	\$ 3.04	\$ 237,320.64	\$0.54
Copeville SUD	126,348	\$ 3.04	\$ 384,097.92	c
East Fork SUD	585,063	\$ 3.04	\$ 1,778,591.52	\$0.54
Fairview	887,811	\$ 3.04	\$ 2,698,945.44	\$0.54
Fate	279,932	\$ 3.04	\$ 850,993.28	\$0.54
Fate No. 2	529,453	\$ 3.04	\$ 1,609,537.12	\$0.54
Forney Lake WSC	410,978	\$ 3.04	\$ 1,249,373.12	d
Gastonia Scurry SUD	110,490	\$ 3.04	\$ 335,889.60	d
GTUA	903,869	\$ 3.04	\$ 2,747,761.76	\$0.54
Josephine	122,278	\$ 3.04	\$ 371,725.12	\$0.54
Kaufman	459,989	\$ 3.04	\$ 1,398,366.56	d
Kaufman Four-One	555,695	\$ 3.04	\$ 1,689,312.80	\$0.54
Little Elm	1,509,605	\$ 3.04	\$ 4,589,199.20	c
Lucas	628,590	\$ 3.04	\$ 1,910,913.60	\$0.54
Melissa	285,850	\$ 3.04	\$ 868,984.00	\$0.54
Milligan WSC	149,894	\$ 3.04	\$ 455,677.76	c
Mt. Zion WSC	159,302	\$ 3.04	\$ 484,278.08	\$0.54
Murphy	1,538,414	\$ 3.04	\$ 4,676,778.56	\$0.54
Nevada SUD	47,179	\$ 3.04	\$ 143,424.16	\$0.54
Nevada SUD No. 2	70,985	\$ 3.04	\$ 215,794.40	\$0.54
North Collin SUD	346,239	\$ 3.04	\$ 1,052,566.56	d
Parker	582,746	\$ 3.04	\$ 1,771,547.84	\$0.54
Prosper	2,226,923	\$ 3.04	\$ 6,769,845.92	d
Rose Hill SUD	143,271	\$ 3.04	\$ 435,543.84	c
Rowlett	3,192,039	\$ 3.04	\$ 9,703,798.56	c
Sachse	1,332,153	\$ 3.04	\$ 4,049,745.12	\$0.54
Seis Lagos MUD	141,612	\$ 3.04	\$ 430,500.48	\$0.54
Sunnyvale	732,206	\$ 3.04	\$ 2,225,906.24	c
Terrell	1,400,000	\$ 3.04	\$ 4,256,000.00	c
Wylie N.E. SUD	307,630	\$ 3.04	\$ 935,195.20	d

Entity	Minimum Annual Demand 1,000 gallons	Water Rate per 1,000 gallons	Minimum Annual Charge	Excess Water Rate per 1,000 gallons
Wylie N.E. SUD No. 2	24,915	\$ 3.04	\$ 75,741.60	d
Total Customers	21,736,654		\$ 66,047,428.16	
Total	121,299,763		\$ 363,741,124.07	

a Water consumed over 365,000,000 gallons shall be charged at a rate of \$3.04 / 1,000 gallons.

b Pays Member Rate.

c Excess Water Rate Subject to Contract Minimums.

d 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 non-member city customer charges at District landfills and transfer stations shall be applicable during the 2020-21 Fiscal Year.

121 REGIONAL DISPOSAL FACILITY CHARGES

- I. All Vehicles - \$40.00 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 Interim 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 \$24.86 per actual ton.

V. Pull-off Fee (non-refundable) - \$25.00

VI. The Interim 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 - \$55.00 per Ton, One Ton Minimum

II. Additional charge above the basic vehicle charge for loads containing roofing shingles - \$150.00

III. The Interim Executive Director may prepare a schedule of charges to be used when weights are not practical to obtain.

IV. Pull-off Fee (non-refundable) - \$25.00

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 24, 2020, IN THE ADMINISTRATIVE OFFICES OF THE NTMWD.

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PHIL DYER, SECRETARY

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LARRY PARKS, PRESIDENT