

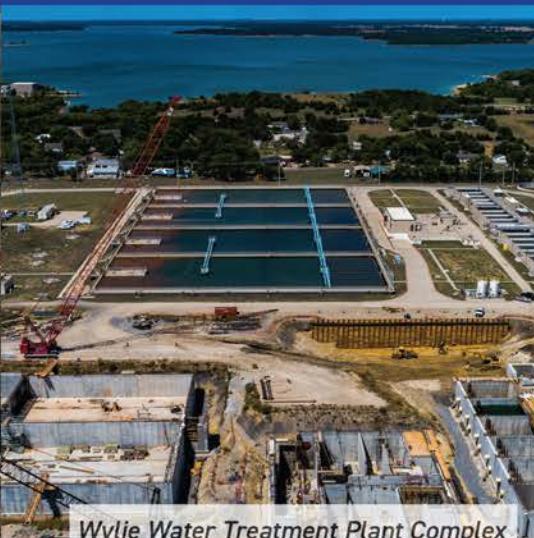


NORTH
TEXAS
MUNICIPAL
WATER
DISTRICT

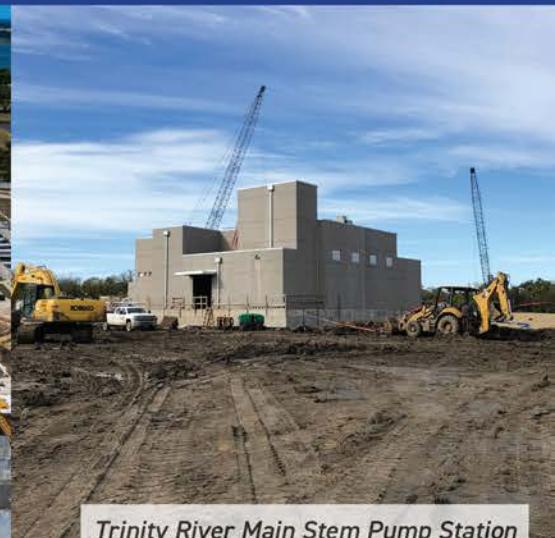
2019-2020 ANNUAL BUDGET



Princeton Lift Station



Wylie Water Treatment Plant Complex



Trinity River Main Stem Pump Station

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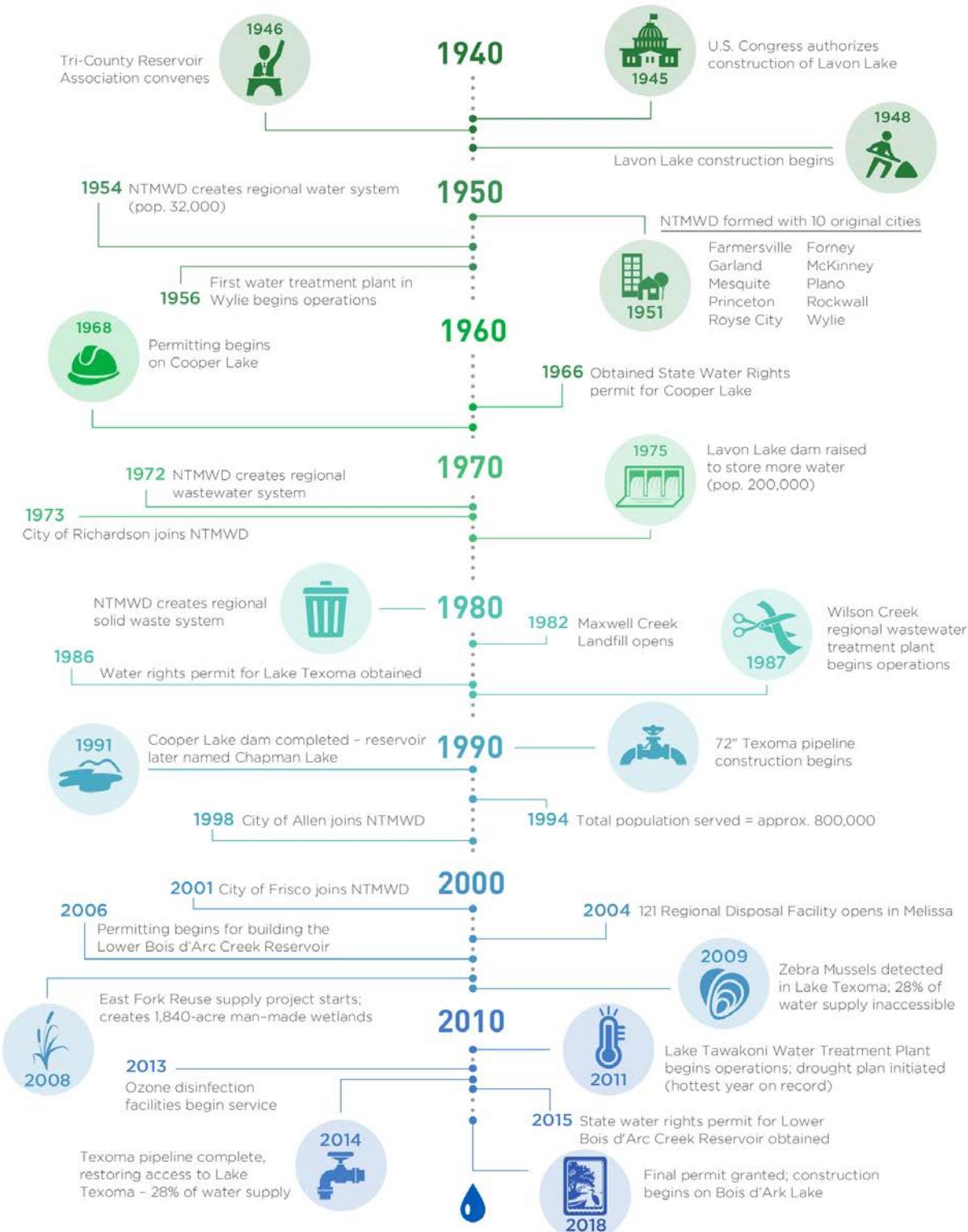
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INTRODUCTION



LEGACY OF SERVICE

Meeting Our Region's Needs Today and Tomorrow





Regional. Reliable. Everyday.

September 11, 2019

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

RE: FY20 ALL SYSTEMS BUDGET

Dear Directors:

Submitted herewith is the FY20 Annual All Systems Budget for the North Texas Municipal Water District. This budget document has been prepared by the Finance Staff, as submitted by the System Managers, and has been reviewed and approved by the Executive Director.

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, debt service and allows the District to continue delivering essential services throughout its service area.

NTMWD staff continues to seek efficiencies and innovations to manage the costs of the capital program, operations and maintenance, and by working with the cities served to identify and implement effective and efficient solutions. The District currently has nearly 80 active major projects underway valued at over \$2 billion. Adequate funding and resources are required to deliver these projects on time and within budget as well as to integrate into existing system operations. The proposed FY20 budget addresses these challenges and responsibilities to continue providing safe, reliable water, wastewater and solid waste services for the millions of North Texans counting on us today and in the future.

RECOMMENDATION

The FY20 Annual All Systems Budget, as proposed, of \$552,461,800, provides a responsible plan for the financial operations and development of the North Texas Municipal Water District. It is recommended by the Executive Director and Staff to the Board of Directors for approval at the September 26, 2019, 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,

A handwritten signature in blue ink that reads "Thomas W. Kula".

Thomas W. Kula
Executive Director / General Manager

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

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Who We Serve

The North Texas Municipal Water District (the District) serves one of the fastest growing regions in the country by providing essential services to 1.7 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. Unemployment is low, currently around 4%.

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.

NTMWD MEMBER CITIES

OUR MEMBER CITIES ARE FREQUENTLY RECOGNIZED NATIONALLY AS DESIRABLE PLACES TO RAISE FAMILIES, DO BUSINESS AND ENJOY A HIGH QUALITY OF LIFE. NTMWD IS PROUD TO PROVIDE VITAL SERVICES THAT SUPPORT THESE THRIVING COMMUNITIES AND THE PEOPLE WHO CALL THEM HOME.

Best Texas Cities for Young Families 2017



ALLEN



FORNEY

FRISCO

ROYSE CITY

WYLIE



FARMERSVILLE



Main Street City (2017)

PLANO



Safest Cities in America (2017)

GARLAND



City for Living the American Dream (2017)

PRINCETON



Top Place for First Time Homebuyers in DFW (2015)

MCKINNEY



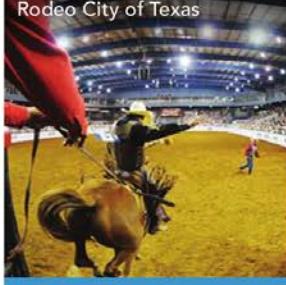
Best Place to Live in America (2017)

RICHARDSON



International Business Capital of North Texas (2011)

MCKINNEY

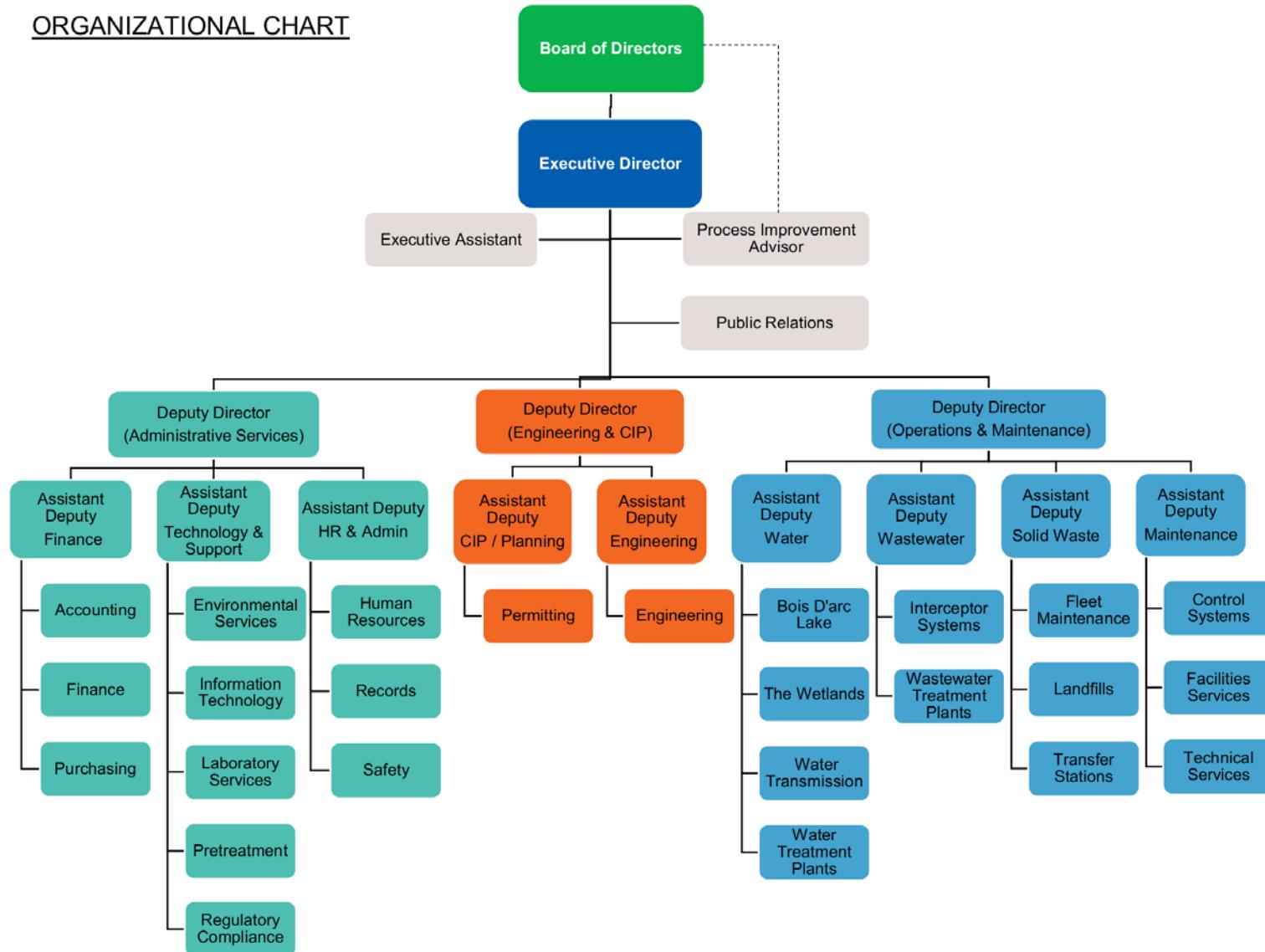


Rodeo City of Texas

ROCKWALL



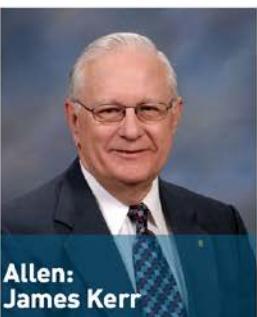
ORGANIZATIONAL CHART



North Texas Municipal Water District Board of Directors



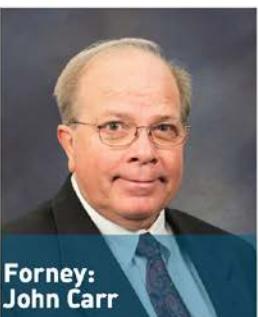
Allen:
Joe Farmer



Allen:
James Kerr



Farmersville:
George Crump



Forney:
John Carr



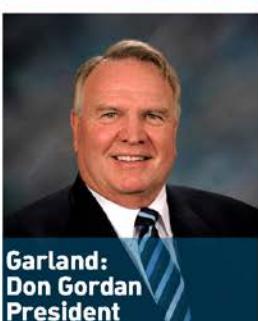
Forney:
Darrell Grooms
Secretary



Frisco:
Richard Peasley



Frisco:
Lynn Schuler



Garland:
Don Gordan
President



Garland:
Jack May



McKinney:
Joe Joplin



McKinney:
Charles McKissick



Mesquite:
Brenda Jean Patrick



Mesquite:
Terry Sam Anderson



Plano:
Phil Dyer



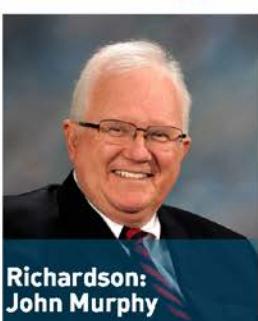
Plano:
Rod Hogan



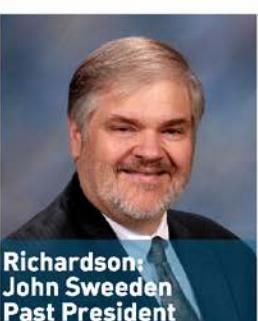
Princeton:
Bill Glass



Princeton:
Dave Island



Richardson:
John Murphy



Richardson:
John Sweeden
Past President



Rockwall:
Chip Imrie



Rockwall:
Larry Parks
Vice President



Royse City:
David Hollifield



Royse City:
Blair Johnson



Wylie:
Marvin Fuller



Wylie:
Keith Stephens

Listing of Key Staff

Executive Director / General Manager

Deputy Director (Engineering & CIP)

Assistant Deputy – CIP & Planning

Assistant Deputy – Engineering

Thomas W. Kula

Joe Stankiewicz

R. J. Muraski

Cesar Baptista

Deputy Director (Operations & Maintenance)

Assistant Deputy – Solid Waste

Assistant Deputy – Wastewater

Assistant Deputy – Water

Assistant Deputy – Maintenance

Mike Rickman

Jeff Mayfield

Jenna Covington

Billy George

Dave Patton

Deputy Director (Administration)

Assistant Deputy – Finance

Assistant Deputy – HR & Safety

Assistant Deputy – Technology & Support

Rodney Rhoades

Erik Felthous

John Montgomery

Jim Shirley

2019-2024 Strategic Plan

VISION:



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



MISSION:



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 collaborate with members, customers, partners, employees and stakeholders

People: Build a talented, competent and committed team



BUDGET OVERVIEW

NTMWD History and Major Systems

The 52nd Texas Legislature created the North Texas Municipal Water District (NTMWD or the 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 an Executive Director / General Manager (Executive Director) who is responsible for the District's operations. The District has three divisions under the Executive Director: Engineering & Capital Improvement Program, Operations & Maintenance and Administrative Services. A Deputy Director leads each division.

Regional Water System (RWS)

The District is a wholesale water service provider to approximately 1.7 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 570 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 Creek Reservoir, which is the first new reservoir to be constructed in Texas in 30 Years.

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 250 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 (RWWTs). 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, McKinney, Plano, Princeton, Prosper and Richardson to the Regional Wastewater Treatment Plants (RWWTs).

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.

Historically, the Support Departments have been housed in the Regional Water System with a portion of the expense being allocated out to the other Operating Systems. Beginning in FY20 the Support Departments will be moved into a separate internal service fund and then fully allocated out to the Operating Systems.

The support departments are as follows:

- Accounting
- Control Systems
- Engineering
- Environmental Services
- Facilities Services
- Finance
- General
- Human Resources
- Information Technologies
- 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 91% 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 91% 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 for a number of years that identified and distributed costs to the District's other Operating Systems during the annual budget process.

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

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

The study used a variety of metrics to properly allocate costs including interviews with department heads, department specific metrics, work orders, historical budget and actual details, capital improvement projects and budgeted position and payroll data. The FY20 Budget includes implementation of the new process for modifying the indirect allocation methodology and reorganization of 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

Fund / System	2017 -18		2018 - 19		2018 - 19		2019 - 20	
	Actuals		Original Budget		Amended Budget		Proposed Budget	
RWS	\$	329,619,358	\$	360,784,885	\$	351,758,825	\$	355,877,850
RWWS		63,029,868		70,658,310		70,658,310		76,742,265
UEFIS		33,117,099		35,795,630		35,795,630		38,859,130
SS		35,849,684		42,104,675		41,977,080		41,958,060
RSWS		35,062,499		37,301,745		37,110,950		38,289,625
Support		-		-		-		60,926,985
Total	\$	496,678,509	\$	546,645,245	\$	537,300,795	\$	612,653,915
Allocation Transfers		(8,805,225)		(10,388,630)		(10,750,535)		(60,926,985)
Net Revenue Budget \$		487,873,283		536,256,615		526,550,260		551,726,930

Expenses

Fund / System	2017 -18		2018 - 19		2018 - 19		2019 - 20	
	Actuals		Original Budget		Amended Budget		Proposed Budget	
RWS	\$	319,688,009	\$	360,568,545	\$	351,700,555	\$	356,612,720
RWWS		63,029,868		70,658,310		70,658,310		76,742,265
UEFIS		33,117,099		35,795,630		35,795,630		38,859,130
SS		35,849,684		42,104,675		41,977,080		41,958,060
RSWS		35,062,499		37,301,745		37,110,950		38,289,625
Support		-		-		-		60,926,985
Total	\$	486,747,160	\$	546,428,905	\$	537,242,525	\$	613,388,785
Allocation Transfers		(8,805,225)		(10,388,630)		(10,750,535)		(60,926,985)
Net Expense Budget \$		477,941,934		536,040,275		526,491,990		552,461,800

Budget Calendar

Date	Event
January 2019	Budget Kickoff Meeting and Training
January 25, 2019	Managers provide Personnel Request Forms and Reclasses to Finance
January 25, 2019	Managers provide Departmental Executive Summaries to Finance
February 5, 2019	Senior Executive Team review of Personnel Request Forms and Reclasses
February 15, 2019	Senior Executive Team personnel requests and reclasses finalized
April 1, 2019	Deadline for submitting FY20 Budget Requests
April 1, 2019	Operations provide estimated flow projections for FY19 Amended and FY20 Budget
April 11, 2019	Present personnel requests and reclasses to Finance and Personnel Committee
April 25, 2019	Present personnel requests and reclasses to Operations Committee
April 30, 2019	Senior Executive Team review and approval of FY19 Amended and FY20 Proposed O&M Budget and Executive Summaries
May 23, 2019	Board Budget Workshop for FY19 Adopted and FY19 Amended Budget review, Preliminary Budget briefing of FY20 Proposed O&M Budget
May 15 – 31, 2019	Department budget briefings, if requested
June 1, 2019	Executive Review
June 13, 2019	Finance Committee O&M Budget briefing
June 27, 2019	Operations Committee O&M Budget briefing
July 11, 2019	Finance Committee Capital Budget briefing
July 25, 2019	Operations Committee Capital Budget briefing
August 8, 2019	Finance Committee Annual Budget briefing for FY19 Amended Budget and FY20 Proposed Budget
August 22, 2019	Board briefing of FY19 Amended Budget, FY20 Proposed Budget and Rebates
September 11, 2019	Finance Committee approval of FY19 Amended Budget and FY20 Proposed Budget
September 26, 2019	Final Board approval of FY19 Amended Budget, FY20 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 Capital Improvement Plan 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 Assets. 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 of Service 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 ED/GM 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, Reserve for Maintenance Funds, Preventive Maintenance Funds and Equipment Replacement Funds: Minimum balance based on the amount set for in the most recent cost projections.
- 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 - \$500,000 minimum balance as required by the bond resolutions. This was established in the 1950's. Since then, the District recognizes cost for major repairs have gone up and as such has taken steps to maintain a minimum of \$10-15 Million in the fund. Estimated costs of major repairs range from \$1-10 Million.
 - 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 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 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 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 and Customer Cities when the cities' 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:

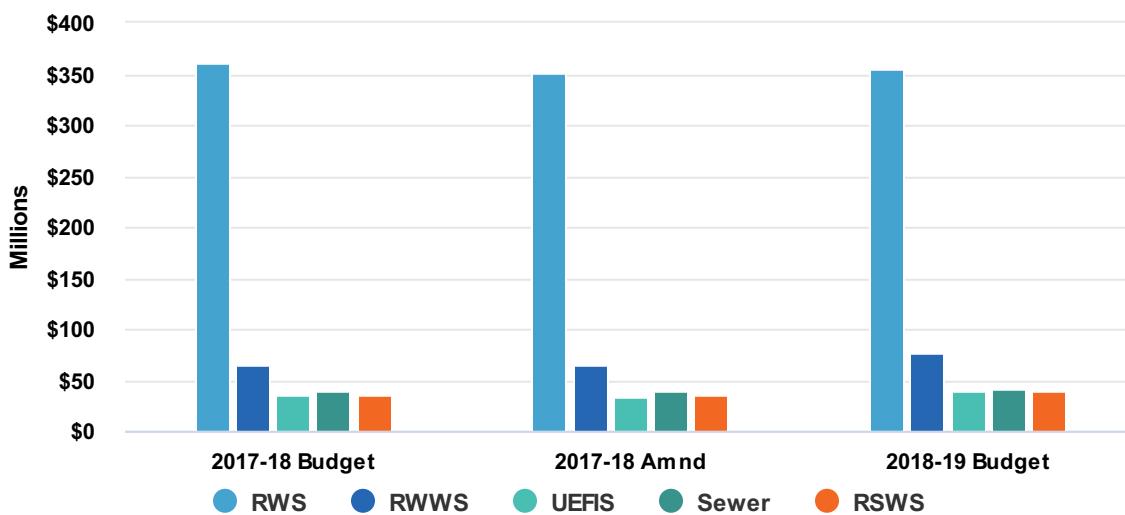
- The rebate is calculated using a formula based upon the estimated per unit reduction in expenditure for variable cost incurred by the District, determined annually by the Board of Directors.
- To be eligible for a rebate, the Member Cities or Customers should have had water demands supplied at volume 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. 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
2018-19 Original	\$ 360,747,525	\$ 65,393,270	\$ 34,404,880	\$ 39,622,775	\$ 36,088,165	\$ 536,256,615
2018-19 Amended	\$ 351,721,465	\$ 65,365,060	\$ 34,292,880	\$ 39,342,625	\$ 35,828,230	\$ 526,550,260
2019-20 Proposed	\$ 355,877,850	\$ 76,742,265	\$ 38,859,130	\$ 41,958,060	\$ 38,289,625	\$ 551,726,930

Regional Water System

The Regional Water System is the District's major source of revenue. It accounts for \$355,877,850 or 64.5% of the FY20 Annual Budget's total estimated revenue. Total treated water sales are expected to be \$354,655,576. 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 FY20 the estimated RWS expenditures total \$356,612,720. The District sets the water rate by taking total budgeted expenses minus interest income and dividing by the contracted minimum water volumes. For FY20, 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:

	2018-19	Proposed 2019-20	Change
Variable O&M Cost (Chemicals, Power, Water)	\$ 0.42	\$ 0.44	\$ 0.02
Fixed O&M Cost (Personnel, Supplies, Services, Capital Outlay)	0.71	0.68	-0.03
Fixed Cost (Debt Service)	1.79	1.87	0.08
Total Rate per 1,000	<u>\$ 2.92</u>	<u>\$ 2.99</u>	<u>\$ 0.07</u>

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

FY20			
MEMBERS	Annual Minimum (1,000 Gallons)	Annual Billing	
Allen	6,011,208	\$ 17,973,512	
Farmersville	280,467	838,596	
Forney	1,956,185	5,848,993	
Frisco	10,986,490	32,849,605	
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	535,076	1,599,877	
Richardson	11,019,311	32,947,740	
Rockwall	3,953,622	11,821,330	
Royse City	493,325	1,475,042	
Wylie	1,877,558	5,613,898	
TOTAL MEMBERS	97,815,701	\$ 292,468,946	
CUSTOMERS			
Ables Springs SUD	84,865	\$ 257,990	
Bear Creek SUD	243,364	739,827	
BHP WSC	138,023	419,590	
Bonham	640,000	1,913,600	
Caddo Basin SUD	356,169	1,082,754	
Cash SUD	305,643	929,155	
College Mound SUD	66,769	202,978	
Copeville SUD	99,952	303,854	
East Fork SUD	492,292	1,496,568	
Fairview	887,811	2,698,945	
Fate	279,932	850,993	
Fate - Second Delivery Point	529,453	1,609,537	
Forney Lake WSC	296,327	900,834	
Gastonia-Scurry SUD	110,490	335,890	
GTUA	792,226	2,408,367	
Josephine	71,000	215,840	
Kaufman	459,989	1,398,367	
Kaufman Four-One	555,695	1,689,313	
Little Elm	1,500,532	4,561,617	
Lucas	628,590	1,910,914	
Melissa	285,850	868,984	

FY20

CUSTOMERS (continued)	Annual Minimum (1,000 Gallons)	Annual Billing
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	346,058	1,052,016
Parker	533,654	1,622,308
Prosper	1,712,581	5,206,246
Rose Hill SUD	143,271	435,544
Rowlett	3,192,039	9,703,799
Sachse	1,332,153	4,049,745
Seis Lagos MUD	135,657	412,397
Sunnyvale	626,255	1,903,815
Terrell	1,400,000	4,256,000
Wylie N.E. SUD	247,512	752,436
TOTAL CUSTOMERS	20,459,926	\$ 62,166,175
Retail Customers	-	20,000
Raw Water Sales	-	455
GRAND TOTAL	118,275,627	\$ 354,655,576

Regional Wastewater System

RWWS revenue accounts for \$76,742,265 or 13.9% of the FY20 Annual Budget's total estimated revenue. Total wastewater treatment revenue is estimated at \$76,059,575, 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 FY20, estimated expenditures totaling \$76,742,265 result in a proposed cost per 1,000-gallon rate of \$2.24 for Members and \$2.70 for Customers. The table below shows a breakdown of volumes and revenue by Member Cities and Customers.

FY20			
MEMBERS	Projected Flows (1,000 gallons)	Annual Billing	
Allen	3,116,303	\$	6,976,934
Forney	1,251,779		2,802,545
Frisco	1,313,866		2,941,548
Heath	580,204		1,298,989
McKinney	5,773,992		12,927,098
Melissa	361,747		809,897
Mesquite	4,708,352		10,541,292
Plano	9,347,904		20,928,550
Princeton	314,096		703,214
Prosper	526,173		1,178,022
Richardson	4,055,422		9,079,480
Rockwall	971,612		2,175,293
Seagoville	591,300		1,323,833
TOTAL MEMBERS	32,912,750	\$	73,686,695
<hr/>			
CUSTOMERS			
Anna	584,893	\$	1,579,820
Fairview - Heritage Ranch	49,706		134,260
Fairview - Stacy Road	160,705		434,070
Lucas - Love Joy & Hunt Comm.	11,601		31,330
Parker - Lake Estates & King Crossing	68,598		185,290
Parker Southfork Ranch	3,003		8,110
TOTAL CUSTOMERS	878,506	\$	2,372,880
GRAND TOTAL	33,791,256	\$	76,059,575

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 \$38,859,130 or 7.0% of the FY20 Annual Budget's total estimated revenue. Total wastewater transportation revenue is estimated at \$38,373,090, 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 FY20, estimated expenditures totaling \$38,859,130 result in a proposed cost per 1,000-gallon rate of \$1.55 for Members Cities and \$1.88 for Customers. The table below shows a breakdown of volumes and revenue by Member Cities and Customers.

FY20		
MEMBER CITIES	Projected Flows (1,000 gallons)	Annual Billing
Allen	3,116,303	\$ 4,844,234
Frisco	1,313,866	2,042,380
McKinney	5,773,992	8,975,560
Melissa	361,747	562,329
Plano	9,347,904	14,531,138
Princeton	314,096	488,256
Prosper	531,075	825,546
Richardson	2,864,382	4,452,627
TOTAL MEMBER CITIES	23,623,365	\$ 36,722,070
CUSTOMERS		
Anna	584,893	\$ 1,099,220
Fairview - Heritage Ranch	49,706	93,420
Fairview - Commercial	160,705	302,020
Lucas - Love Joy & Hunt Comm.	11,601	21,800
Parker - Lake Estates & Kings Crossing	68,598	128,920
Parker - Southfork Ranch	3,003	5,640
TOTAL CUSTOMERS	878,506	\$ 1,651,020
GRAND TOTAL	24,501,871	\$ 38,373,090

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 \$41,958,060 or 7.6% of the FY20 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 \$30,930,005

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:

FY20		
Plan (Participating Entities)	Projected Flow (1,000gal)	Budgeted Expenditures
Farmersville (Farmersville)	186,389	\$ 480,815
Lavon (Lavon)	58,320	363,105
Muddy Creek (Murphy & Wylie)	2,774,670	7,430,605
North Rockwall	239,940	606,765
Panther Creek (North Frisco)	1,471,288	7,945,045
South Rockwall	448,734	1,809,325
Sabine Creek (Fate & Royse City)	564,309	2,674,905
Seis Lagos (Seis Lagos Subdivision)	51,962	216,140
Stewart Creek (South Frisco)	1,798,241	9,341,650
Royse City	-	26,675
Wylie	-	34,975
Total	7,593,853	\$ 30,930,005

Sewer System wastewater transportation revenue is projected to be \$8,247,875 . The table below presents the estimated unit cost for the Sewer System interceptor facilities:

FY20		
Interceptor Facility (Participating Entities)	Projected Flow (1,000 gal)	Budgeted Expenditures
Forney (Forney)	401,641	\$ 519,430
Lower East Fork (Mesquite & Seagoville)*	618,824	1,860,195
Muddy Creek (Murphy & Wylie)*	2,774,668	476,780
Parker Creek (Fate & Royse City)*	179,384	469,585
Sabine Creek (Royse City)*	291,170	306,425
Buffalo Creek (Forney, Heath, Rockwall)	2,020,998	2,586,110
McKinney (McKinney)	1,341,729	400,675
Mustang Creek (Forney)	398,521	1,516,375
Parker Creek Parallel (Fate)	93,755	112,300
Total	8,120,690	\$ 8,247,875

*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 \$38,289,625 or 6.9% of the FY20 Annual Budget's total estimated revenue. Total solid waste disposal revenue from Member Cities is expected to be \$26,676,750. 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 FY20, estimated expenditures total \$38,289,625. After reducing expenses for Customer Charges of \$5,758,425, Sludge Revenues of \$3,350,880, Gas Royalties of \$1,200,000, Interest Income of \$97,660 and Other Revenue of \$1,205,910 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.

FY20		
Members	Projected Tonnage	Annual Billing
Allen	70,908	\$ 2,712,236
Frisco	124,617	4,766,610
McKinney	161,115	6,162,661
Plano	236,340	9,040,023
Richardson	104,450	3,995,220
TOTAL MEMBERS	697,430	\$ 26,676,750

Landfill Customer charges are projected to be \$5,758,425. In FY20, for disposal at the transfer stations, customers will pay \$52 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 \$38 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 \$3,350,880. For FY20, the charge to District operated wastewater treatment plants for disposal of federal and state approved sludge materials is \$25.51 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 FY19 All Systems Amended Budget is expected to be \$526,491,990, which is (\$9,548,285) or (-1.78%) less than the FY19 Original Budget.

This decrease is the result of the following:

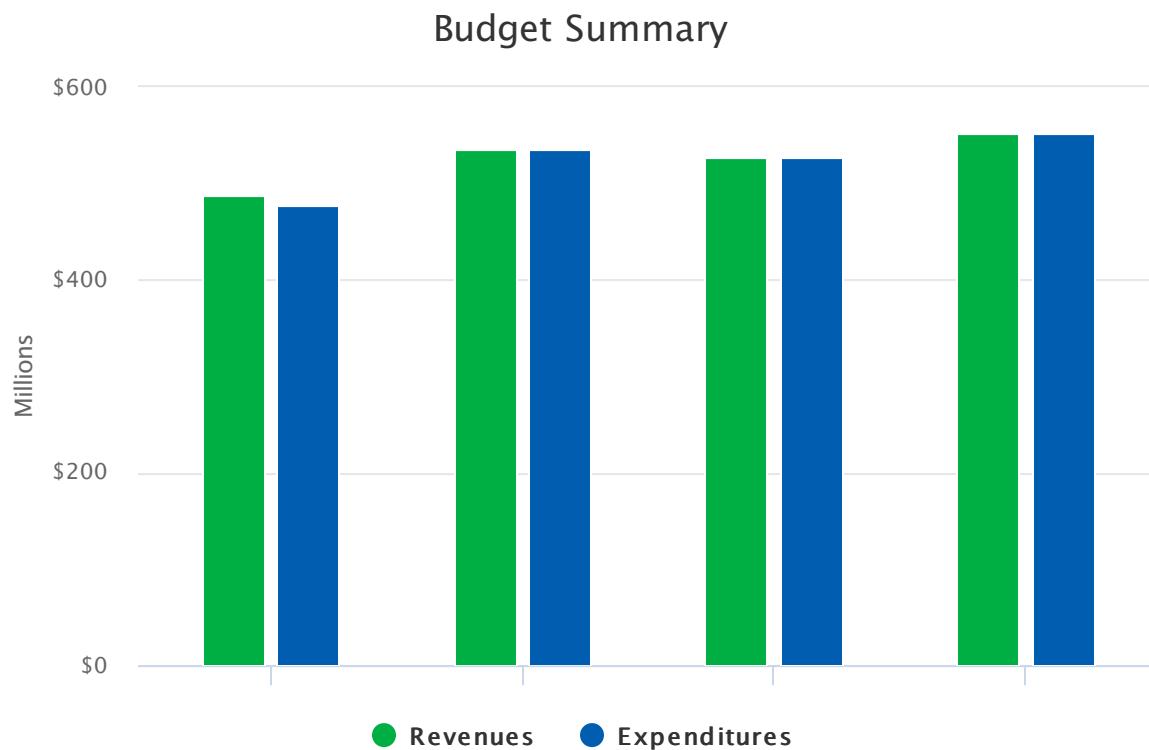
- Savings in Electric Power in the RWS due to not having to pump water, driven by wetter than typical weather.
- Lower Debt Service in the RSWS due to early defeasance of debt.
- Personnel savings primarily in the RWS, SS and RSWS.
- Lower Capital Outlay in the RSWS due to lower Landfill Development Cost.

The savings were partially offset by the following:

- Increases in Chemicals in the RWS due to higher priced contracts.
- Additional Engineering/Consultant Services in the RWS and RSWS.
- Additional Special Studies & Reports in the RWWS.
- Higher Legal Fees in the RWS driven by the Public Utilities Commission litigation.
- Additional RSWS Escrow Transfers for future capital purchases.

The overall FY20 Annual All Systems Budget of \$552,461,800 represents an increase of \$16,421,525 or 3.06%.

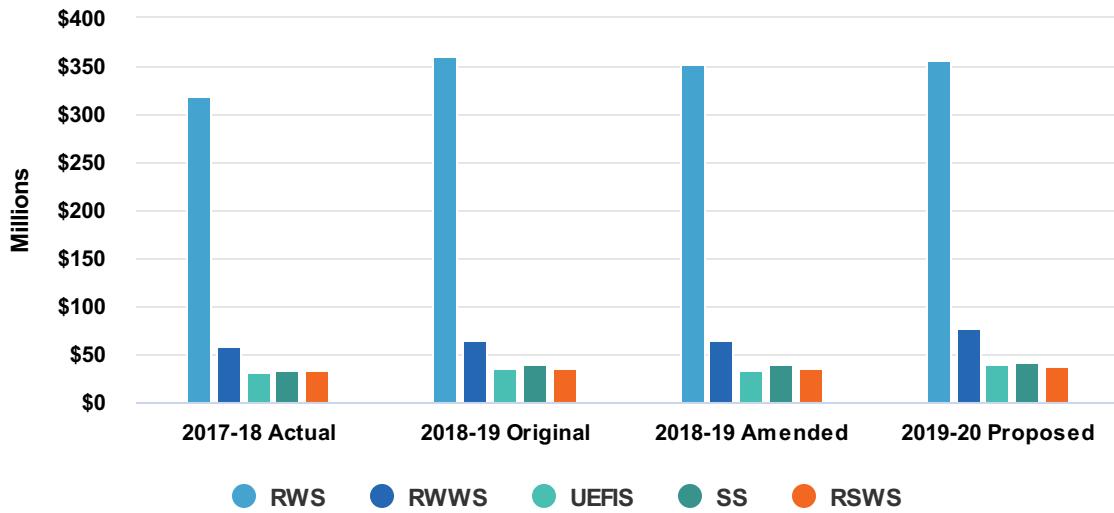
A comparison of the All Systems Budget for fiscal years 2018 through 2020 is presented below:



Review by System

Below is a breakdown of the Budgeted Expenditures by System for FY18 through FY20:

ALL SYSTEMS BUDGETED EXPENDITURES



System	2017-18 Actual	2018-19 Original	2018-19 Amended	2019-20 Proposed
RWS	\$ 319,672,694	\$ 360,531,185	\$ 351,663,195	\$ 356,612,720
RWWS	\$ 58,622,275	\$ 65,393,270	\$ 65,365,060	\$ 76,742,265
UEFIS	\$ 31,952,253	\$ 34,404,880	\$ 34,292,880	\$ 38,859,130
SS	\$ 33,748,058	\$ 39,622,775	\$ 39,342,625	\$ 41,958,060
RSWS	\$ 33,946,654	\$ 36,088,165	\$ 35,828,230	\$ 38,289,625
Total	\$ 477,941,934	\$ 536,040,275	\$ 526,491,990	\$ 552,461,800

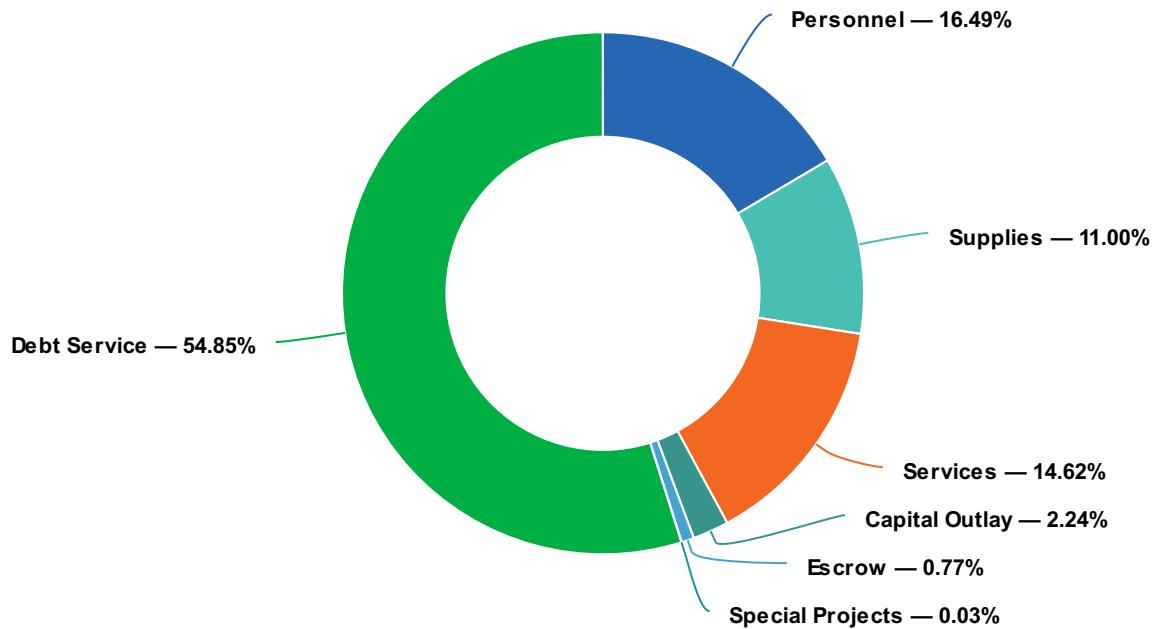
REVIEW BY CATEGORY

The following is a summary of fiscal years 2018 through 2020 All Systems Budgets by Category:

ALL SYSTEMS BUDGET BY CATEGORY

Category	2017-18 Actual	2018-19 Original	2018-19 Amended	2019-20 Proposed
Personnel	\$ 77,015,269	\$ 83,527,480	\$ 82,624,390	\$ 91,125,735
Supplies	48,084,851	55,461,475	55,117,975	60,759,810
Services	64,687,778	80,310,525	74,060,565	80,790,110
Capital Outlay	8,734,075	9,079,750	8,044,480	12,357,175
Escrow	2,266,525	3,275,220	5,372,160	4,281,045
Special Projects	14,391	185,000	130,000	140,000
Debt Service	277,139,044	304,200,825	301,142,420	303,007,925
Total	\$ 477,941,934	\$ 536,040,275	\$ 526,491,990	\$ 552,461,800

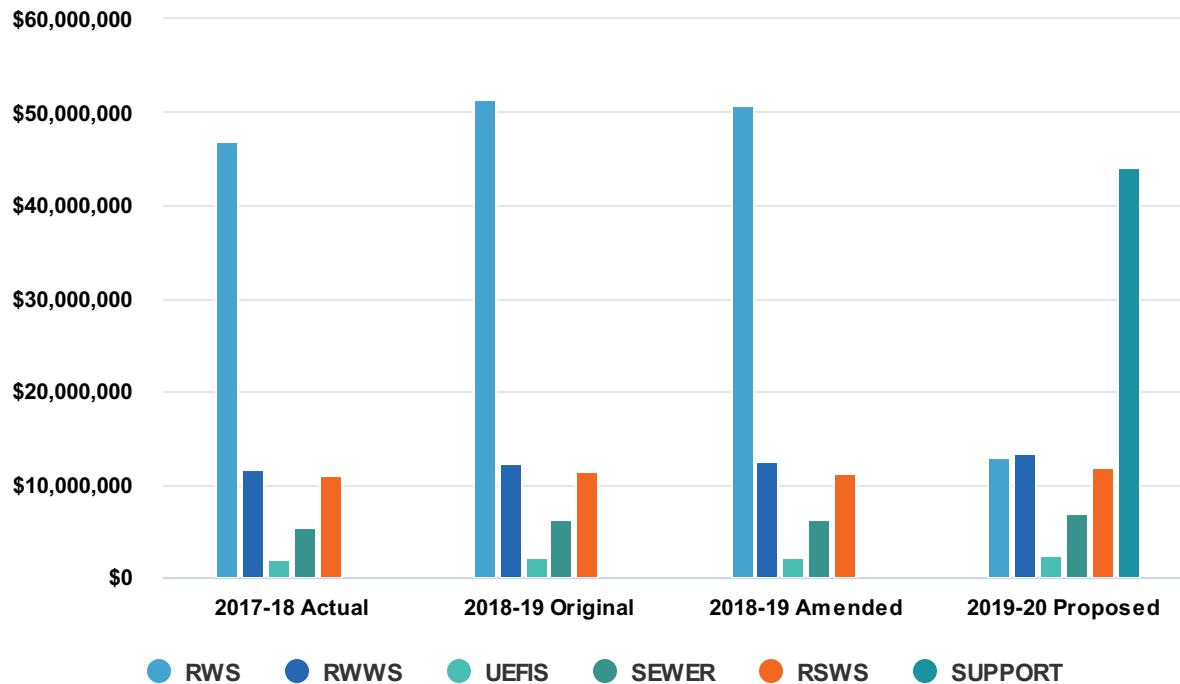
FY20 EXPENSES



Personnel

The FY19 Amended All Systems Budget for Personnel is expected to be \$82,624,390 which is (\$903,090) or -1.08% less than the FY19 Original Budget.

PERSONNEL EXPENSES BY SYSTEM



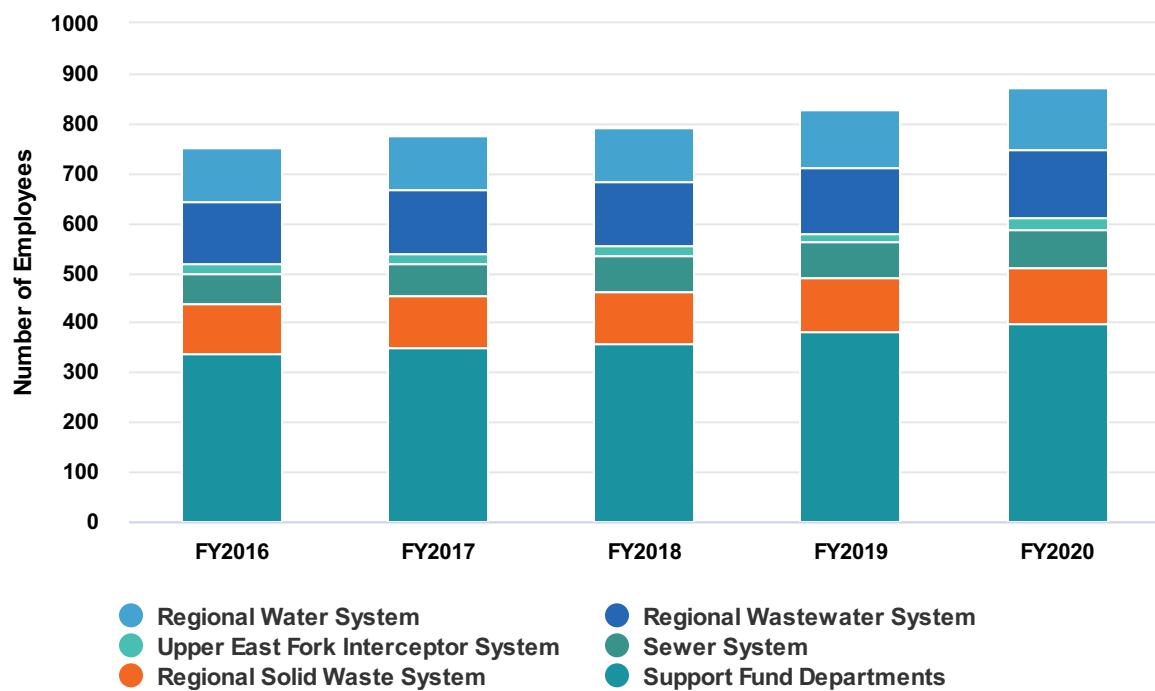
Personnel	2017-18 Actual	2018-19 Original	2018-19 Amended	2019-20 Proposed
RWS	\$ 46,939,873	\$ 51,497,330	\$ 50,789,280	\$ 12,885,735
RWWS	\$ 11,641,123	\$ 12,312,805	\$ 12,508,295	\$ 13,253,725
UEFIS	\$ 2,028,281	\$ 2,101,230	\$ 2,044,420	\$ 2,331,625
SEWER	\$ 5,443,184	\$ 6,239,635	\$ 6,152,160	\$ 6,869,975
RSWS	\$ 10,962,809	\$ 11,376,480	\$ 11,130,235	\$ 11,775,580
SUPPORT	\$ -	\$ -	\$ -	\$ 44,009,095
Total Personnel	\$ 77,015,269	\$ 83,527,480	\$ 82,624,390	\$ 91,125,735

The FY20 All Systems Budget for Personnel is \$91,125,735 which is \$7,598,255 or 9.1% greater than the FY19 Original Budget. The increase in salaries and benefits is primarily the result of funding 47 additional positions including 9 to begin staffing the new Bois d'Arc Lake and Leonard WTP. In addition, the budget funds performance based merit increases as well as market based adjustments for existing staff.

In the performance based salary adjustment, each employee's salary adjustment can range from 0% to 5% depending on their performance evaluation. The performance based salary adjustment is budgeted at 3%. 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



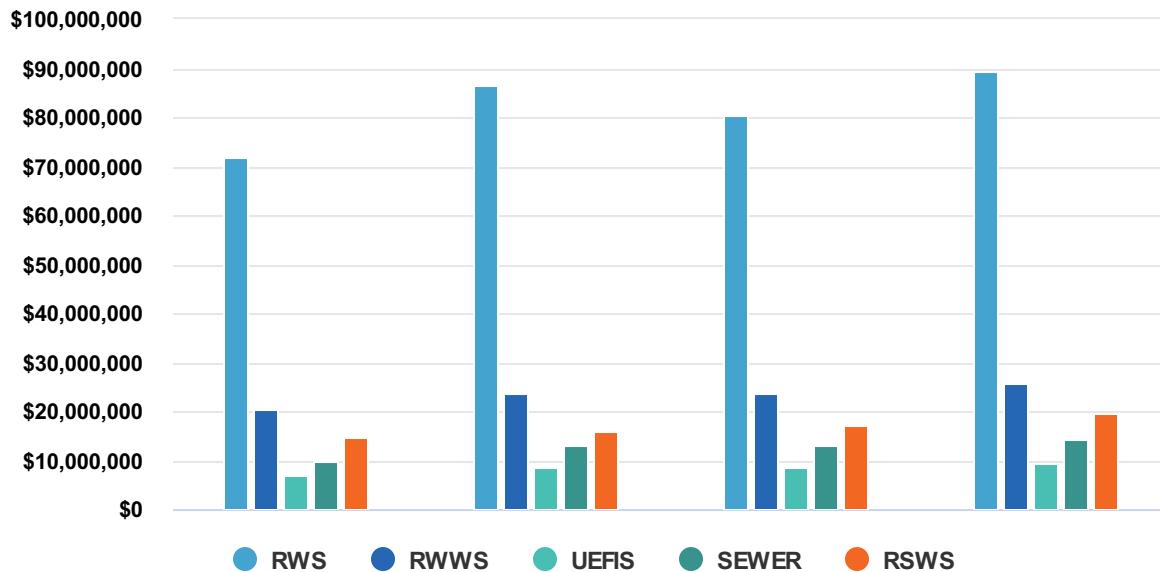
District Wide Staffing	FY16	FY17	FY18	FY19	FY20
Regional Water System	107	109	110	115	127
Regional Wastewater System	126	128	129	131	137
Upper East Fork Interceptor System	20	19	19	19	22
Sewer System	61	65	72	73	75
Regional Solid Waste System	99	104	104	108	113
Support Fund Departments	339	351	359	380	399
Total Employees	751	776	793	826	873

Total budgeted positions for FY20 are 873, a 5.7% increase from the prior year.

Operations

The FY19 Amended All Systems Budget for Operations is \$142,725,180 which is (\$5,586,790) or -3.77% less than the FY19 Original Budget.

OPERATING EXPENSES BY SYSTEM



Operating	2017-18 Actual	2018-19 Original	2018-19 Amended	2019-20 Proposed
RWS	\$ 71,782,867	\$ 86,590,740	\$ 80,423,335	\$ 89,267,570
RWWS	20,418,092	23,869,640	23,647,505	25,617,341
UEFIS	6,820,297	8,759,840	8,703,575	9,543,561
SEWER	9,892,270	13,050,605	12,857,705	14,458,125
RSWS	14,874,095	16,041,145	17,093,060	19,441,543
Total Operating	\$123,787,621	\$148,311,970	\$142,725,180	\$158,328,140

The FY20 All Systems Budget for Operations is \$158,328,140 which is \$10,016,170 or 6.75% greater than the FY19 Original Budget.

The following areas increased:

- Chemicals increased primarily in the RWS due to higher chemical costs in new contracts.
- Engineer / Consultant expenses increased due to moving recurring annual United States Geological Survey (USGS) contracts from Special Studies and Reports, additional efforts related to Bois d'Arc Lake and regulatory requirement. There are additional expected expenses related to the Corrosion Protection Plan for pipelines and consultations on how to best manage and prolong asset life in the transmission system.
- Increased Vehicle and Non-vehicle purchases as well as additional Landfill development costs in the RSWS.
- Increased machinery purchases in the RWS.
- Additional expenses related to water conservation efforts.

The above increases were offset by the following:

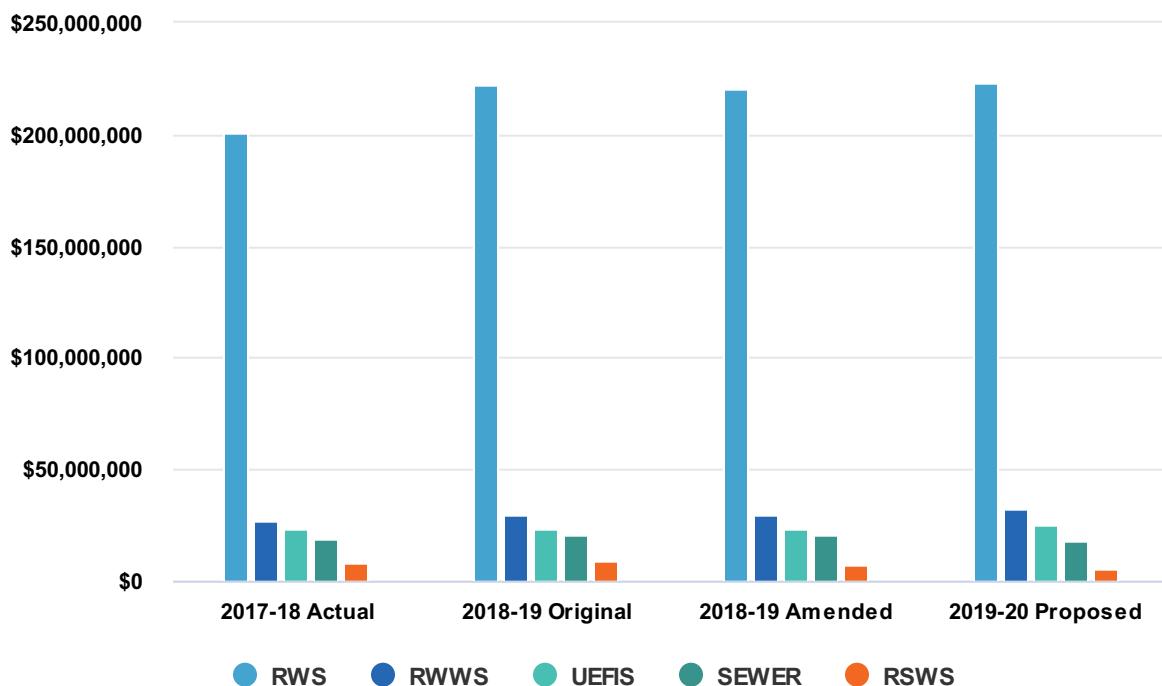
- Reductions in Laboratory Services in the SS and RWWS.
- Reductions in Computer Supplies in the RWS.
- Lower Legal Fees based on less expected legal support of the RWS.
- Decreases in Special Studies and Reports in the RWS and RSWS.

Capital

The service area for the District is considered one of the fastest growing in the nation. This growth, along with aging infrastructure, 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 FY20, 55% 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 FY19 Amended All Systems Budget for Capital is \$301,142,420 which is (\$3,058,405) or (-1.01%) less than the FY19 Original Budget.

CAPITAL EXPENSE BY SYSTEM



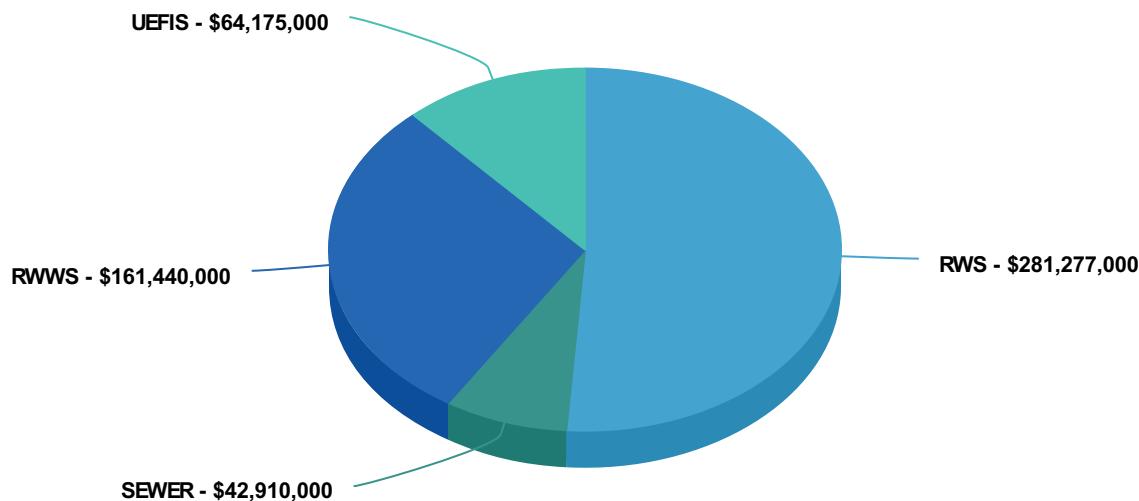
Capital	2017-18 Actual	2018-19 Original	2018-19 Amended	2019-20 Proposed
RWS	\$ 200,949,954	\$ 222,443,115	\$ 220,450,580	\$ 222,717,235
RWWS	\$ 26,563,060	\$ 29,210,825	\$ 29,209,260	\$ 31,969,880
UEFIS	\$ 23,103,675	\$ 23,543,810	\$ 23,544,885	\$ 24,870,490
SEWER	\$ 18,412,605	\$ 20,332,535	\$ 20,332,760	\$ 17,877,370
RSWS	\$ 8,109,750	\$ 8,670,540	\$ 7,604,935	\$ 5,572,950
Total Capital	\$ 277,139,044	\$ 304,200,825	\$ 301,142,420	\$ 303,007,925

The FY20 All Systems Budget for Capital is \$303,007,925 which is (\$1,192,900) or -0.39% less than the FY19 Original Budget. The decrease is primarily due to the reduced transfers to capital improvement fund in RWS, RWWS, RSWS and UEFIS; however, it is offset by an increase in the required debt service payments for revenue bond issuances of approximately \$550 million par (project cost plus issuance costs) that are planned for FY20.

- In the RWS, bond sales over \$281 million for the construction of the treated water pipeline from Leonard WTP to McKinney No. 4; Bois D'Arc Lake construction management services, program management and quality assurance; structural and mechanical improvements at the Wylie WTP II; conversion to biologically active filtration at the Wylie WTP; the expansion of HSPS 3-1 to 450 Million Gallons per Day (MGD); power redundancy and electrical building improvements at Wylie WTP III; system wide meter vault improvements; Bonham-Tawakoni WTP improvements; the Shiloh System ground storage tank; the relocation of 84" and 42" waterline in Parker near Southridge Parkway; sludge handling and reclaim basin improvements at Wylie WTP III; construction of finished water storage and equalization for Wylie WTP complex; construction of thickening facilities at the Wylie WTP; and the construction of 36"/24" pipeline from Lavon No. 2 to 21" pipeline near Rockwall No. 1.
- In the RWWS, bonds sales of over \$161 million for the solids handling improvements at the South Mesquite Regional WWTP; construction of the operations building at the Rowlett Creek Regional WWTP; electrical improvements at the Wilson Creek Regional WWTP; peak flow management at Floyd Branch Regional WWTP; the outfall property and construction of Regional Water Resource Recovery Facility and the design for the facility's expansion; and the Rowlett Creek Regional WWTP peak flow management phase II improvements.
- In the UEFIS, bond sales of \$64 million revenue bonds for the construction of the North McKinney Parallel Interceptor; the construction of the McKinney-Prosper Transfer Sewer (Phase I and II); the construction of Sloan Creek Force Main; the construction of Wilson Creek Transfer Force Main; the Preston Road Lift Station Expansion design and property; and UEFIS Rehabilitation and Improvements.
- In the Sewer System, bond sales of nearly \$43 million for the construction of the new parallel interceptor and the design for the lift station expansion at the Buffalo Creek Interceptor; the design for the expansion to 15 MGD at Panther Creek WWTP; and the peak flow storage basin design, operations building improvements and design for the expansion to 15 MGD at Muddy Creek WWTP.

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

2019-20 BOND ISSUES



REGIONAL WATER SYSTEM

FAST FACTS

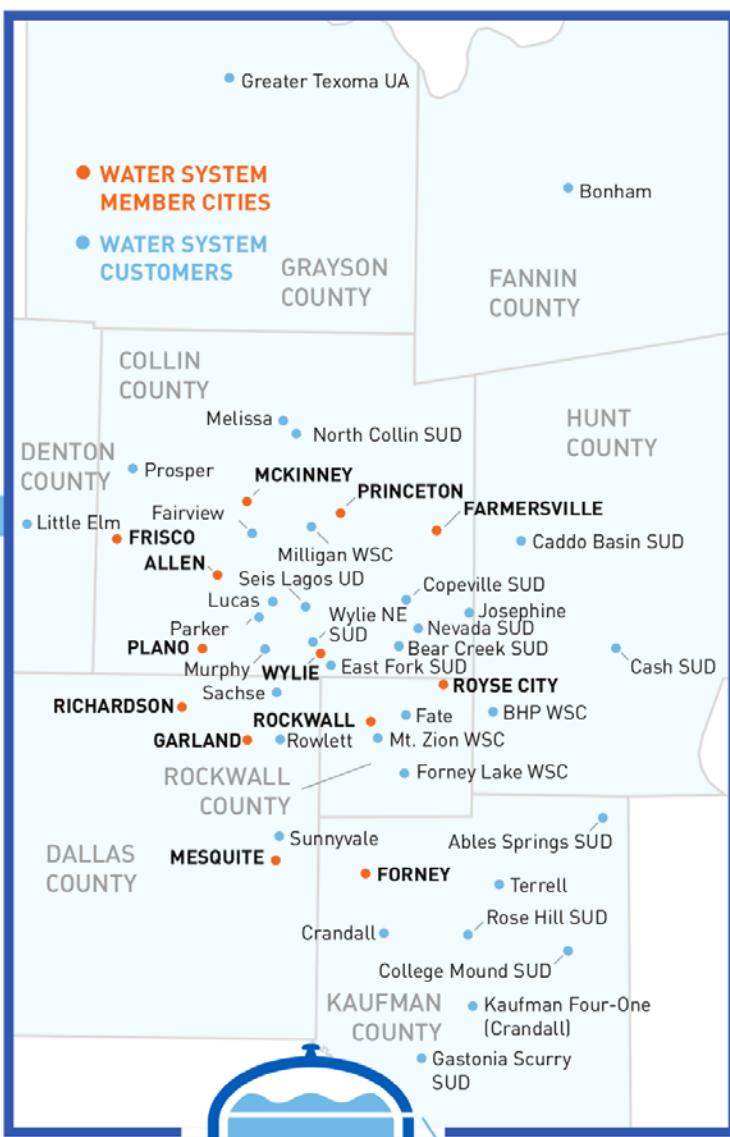
WATER SERVICES

127
EMPLOYEES

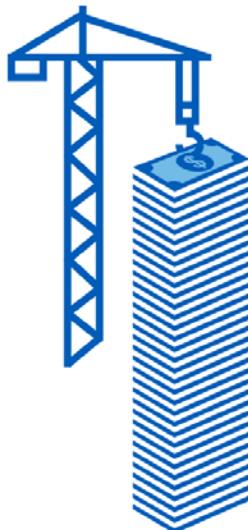
 **575+**
Miles of water
transmission lines

6 
Water treatment
PLANTS

Up to
32 BILLION
Gallons of water
re-used
annually



\$635
MILLION
In water system
construction
contracts in 2018



2018 Annual
Water Use
82% Member
Cities
18% Customers

On average, around
100 BILLION
Gallons of treated water
delivered each year

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.

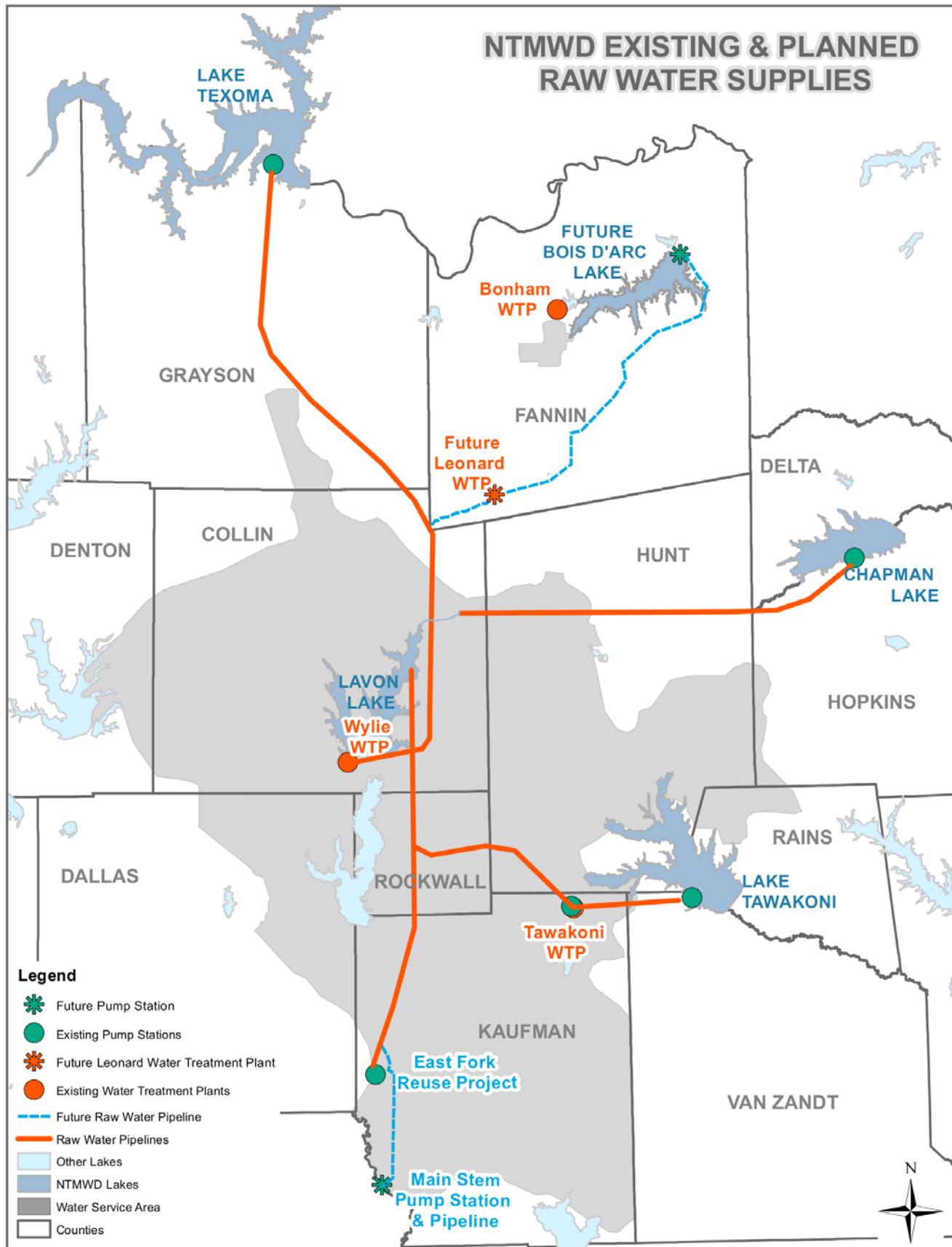
Water Quality

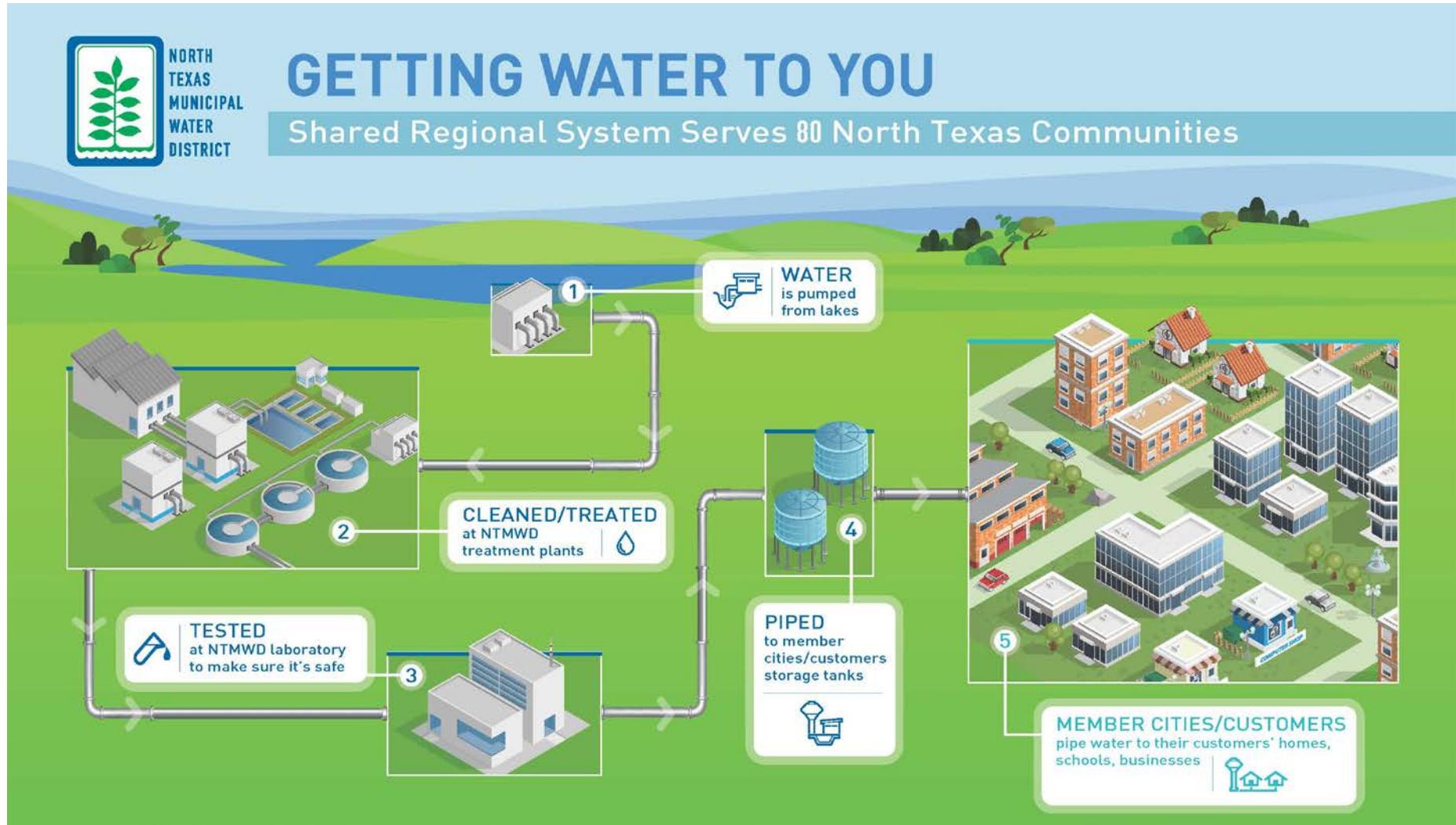
The District's top priority is to keep drinking water safe. To ensure quality water for the communities served, the District's nationally accredited laboratory conducts and processes hundreds of samples every day. We report findings to ensure drinking water meets or surpasses regulatory standards set 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.)

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 Consumer Confidence Reports. Most of these can be accessed at each city or water utility's website.





Water Conservation Efforts

Conservation remains a critical component of water resource planning despite the wetter than normal conditions over the past few years. According to the most recent state water plan, 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, Water4Otter, #PledgeToPlantSmart, ULandscapel and UPlantIt. 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 which delivers alerts to subscribers to help reduce waste due to overwatering lawns and landscapes. Recognizing summer outdoor watering habits increase water demands, peak delivery needs and expanded water treatment capacity, this irrigation tool is designed to regularly inform homeowners of "When to Water and When to Wait."

As an extension of the WaterIQ campaign, NTMWD developed a youth program, Water4Otter, which centers on the next generation of water users. Otis the Otter and his friends encourage students to stop wasteful water use habits and protect the wildlife sharing Lavon Lake. As part of the education

programs to use water wisely, NTMWD created a series of public service announcements featuring prominent Texas leaders to share the importance of selecting plants 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.

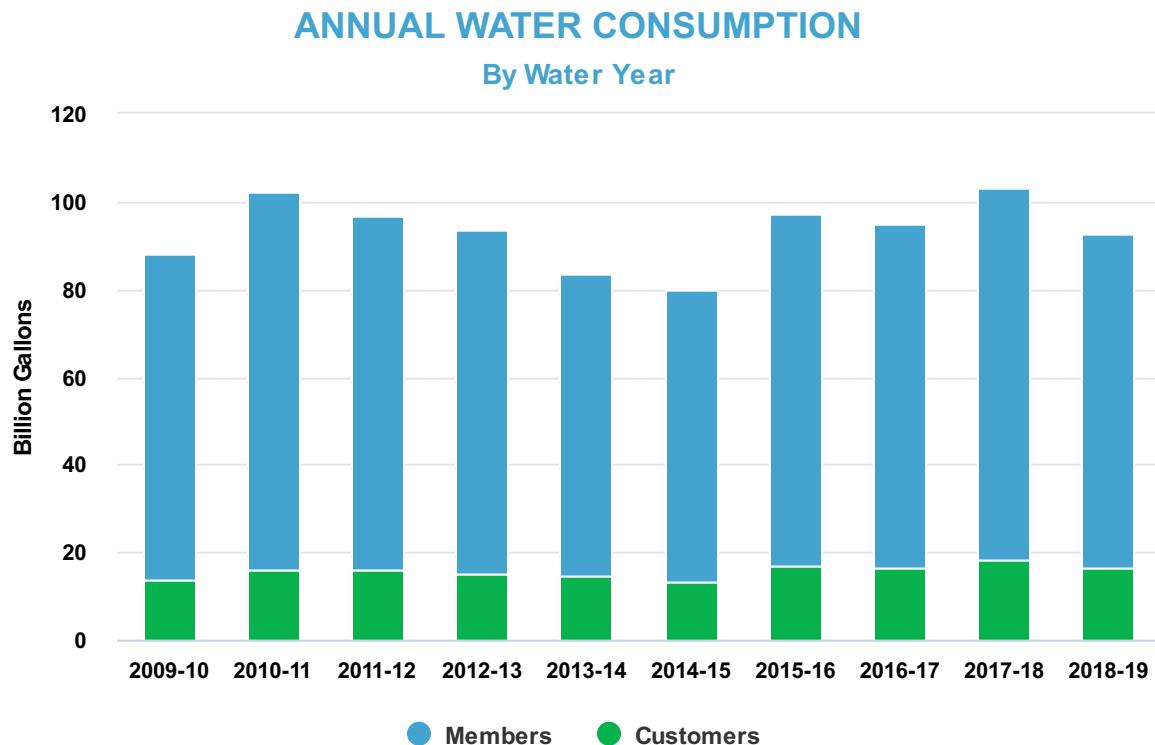
To meet long-term needs, the District is:

- 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 Engineers 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.

Minimum Annual Demand and Water Rate

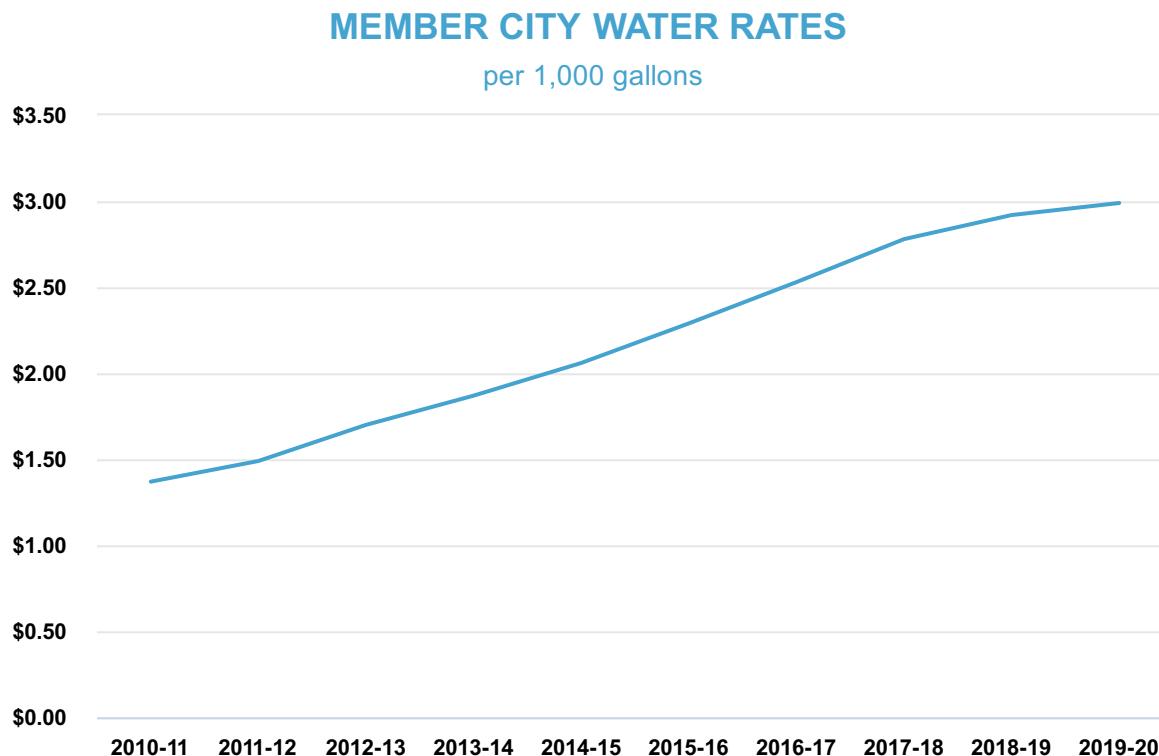
Water Consumption for the FY19 water year (August 1, 2018 through July 31, 2019) was 92,689,123,000 gallons. This was 10,581,449,000 gallons or (10.25%) less than the prior year's consumption of 103,270,572,000 gallons. This was 25,447,403,000 gallons or (21.54%) less than the expected consumption of 118,136,526,000 gallons for the year. Historical water consumption is presented below.



The Minimum Annual Demand methodology requires each city to pay for the facilities it has required the District to construct in order to meet its demands. This method provides for an escalating Minimum Annual Demand for cities that place additional demands on the system and on cities that do not effectively manage their demands, thus encouraging conservation. Total Minimum Annual Demands for FY20 are scheduled at 118,275,627,000 gallons. The table below presents the Minimum Annual Demands for each Member City and for Customers collectively:

ANNUAL MINIMUMS	
Member Cities	(1,000 gallons)
Allen	6,011,208
Farmersville	280,467
Forney	1,956,185
Frisco	10,986,490
Garland	13,721,955
McKinney	11,963,029
Mesquite	8,297,666
Plano	26,719,809
Princeton	535,076
Richardson	11,019,311
Rockwall	3,953,622
Royse City	493,325
Wylie	1,877,558
Total Member Cities	97,815,701
Customers	20,459,926
Grand Total	118,275,627

To fund the development of additional raw water resources, treatment, transmission system improvements and increased operating costs, it is recommended that the current Member City Water Rate be adjusted from 2.92 per 1,000 gallons to 2.99 per 1,000 gallons on October 1, 2019. The current Customer City Water Rate should also be adjusted from 2.97 per 1,000 gallons to 3.04 per 1,000 gallons. Additional rate adjustments are anticipated in future years as cost estimates to develop raw water supplies and as operational costs continue to increase. Historical and proposed Member City Water Rates are presented below:



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 FY20, it is proposed that the Excess Water Rate be adjusted from \$0.42 to \$0.44 per 1,000 gallons for Member Cities and from \$0.47 to \$0.49 per 1,000 gallons for Customer Cities.

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 (\$0.42 per 1,000 gallons for FY19) 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 FY19.

2018-19 Water Excess / Rebates

City	Minimum Annual Demand (1,000 Gallons)	FY19 Actuals (1,000 Gallons)	2018-19 Excess	2018-19 Rebates
Allen	6,011,208	4,954,742	\$ -	(443,716)
Farmersville	280,467	216,295	-	(26,952)
Forney	1,956,185	1,909,486	-	(19,614)
Frisco	10,986,490	9,989,380	-	(418,786)
Garland	13,721,955	10,589,144	-	(1,315,781)
McKinney	11,963,029	10,768,172	-	(501,840)
Mesquite	8,297,666	5,248,168	-	(1,280,789)
Plano	26,719,809	18,815,029	-	(3,320,008)
Princeton	535,076	524,581	-	(4,408)
Richardson	11,019,311	7,791,509	-	(1,355,677)
Rockwall	3,940,042	3,490,058	-	(188,993)
Rose City	493,325	473,233	-	(8,439)
Wylie	1,877,558	1,559,997	-	(133,376)
Total Members	97,802,121	76,329,794	\$ -	(9,018,377)
Customers	20,334,405	16,359,329	292,295	(1,447,266)
Grand Total	118,136,526	92,689,123	\$ 292,295	(10,465,644)

Revenues and Expenditures

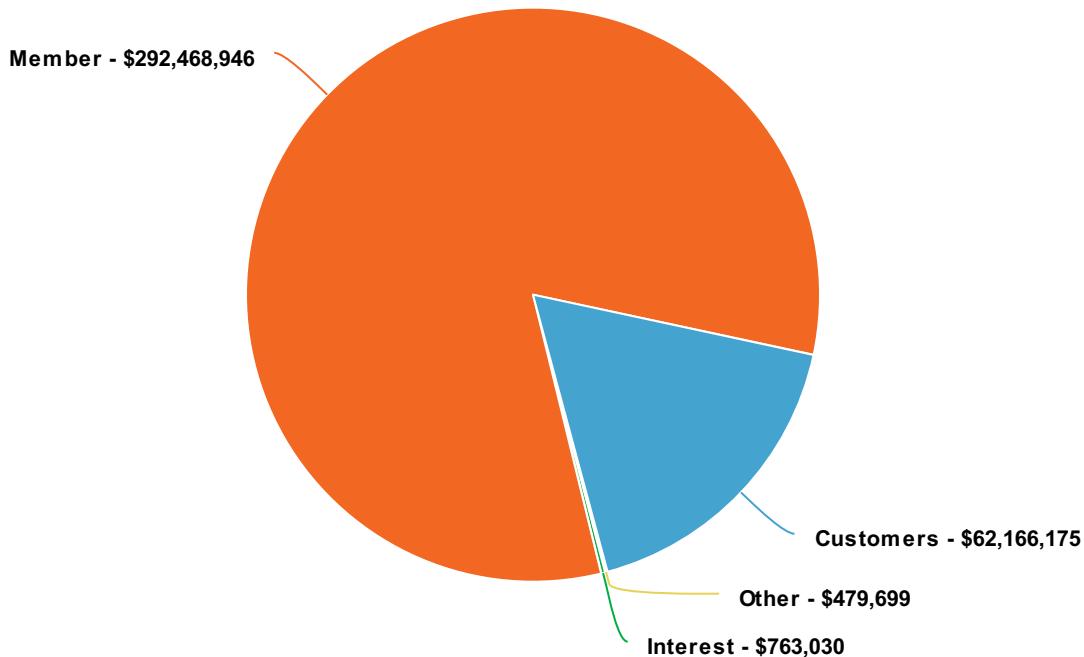
Category	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues	\$ 329,619,358	\$ 360,784,885	\$ 351,758,825	\$ 355,877,850	\$ (4,907,035)	-1.36%

Expenditures

Personnel	\$ 46,939,873	\$ 51,497,330	\$ 50,789,280	\$ 12,885,735	\$ (38,611,595)	-74.98%
Supplies	30,587,707	35,127,895	34,458,090	34,154,980	(972,915)	-2.77%
Services	39,086,878	49,802,745	44,166,530	85,437,270	35,634,525	71.55%
Capital Outlay	2,059,206	1,527,460	1,666,075	1,367,500	(159,960)	-10.47%
Escrow	50,000	50,000	50,000	50,000	-	0.00%
Special Projects	14,391	120,000	120,000	-	(120,000)	-100.00%
Debt Service	200,949,954	222,443,115	220,450,580	222,717,235	274,120	0.12%
Total	\$ 319,688,009	\$ 360,568,545	\$ 351,700,555	\$ 356,612,720	\$ (3,955,825)	-1.10%

The FY19 Amended Budget for total estimated revenues is expected to be \$351,758,825 and the Amended Budget for total estimated expenses is expected to be \$351,700,555. For FY20, Member City and Customer water sales revenues are projected to be \$354,635,121, which reflects a \$.07 per 1,000 gallons rate adjustment. Combined with other water sales of \$20,455, interest income of \$763,030 and other budgeted revenues of \$459,244, the total budgeted revenue for FY20 is \$355,877,850.

RWS 2019-20 ANNUAL BUDGETED REVENUE



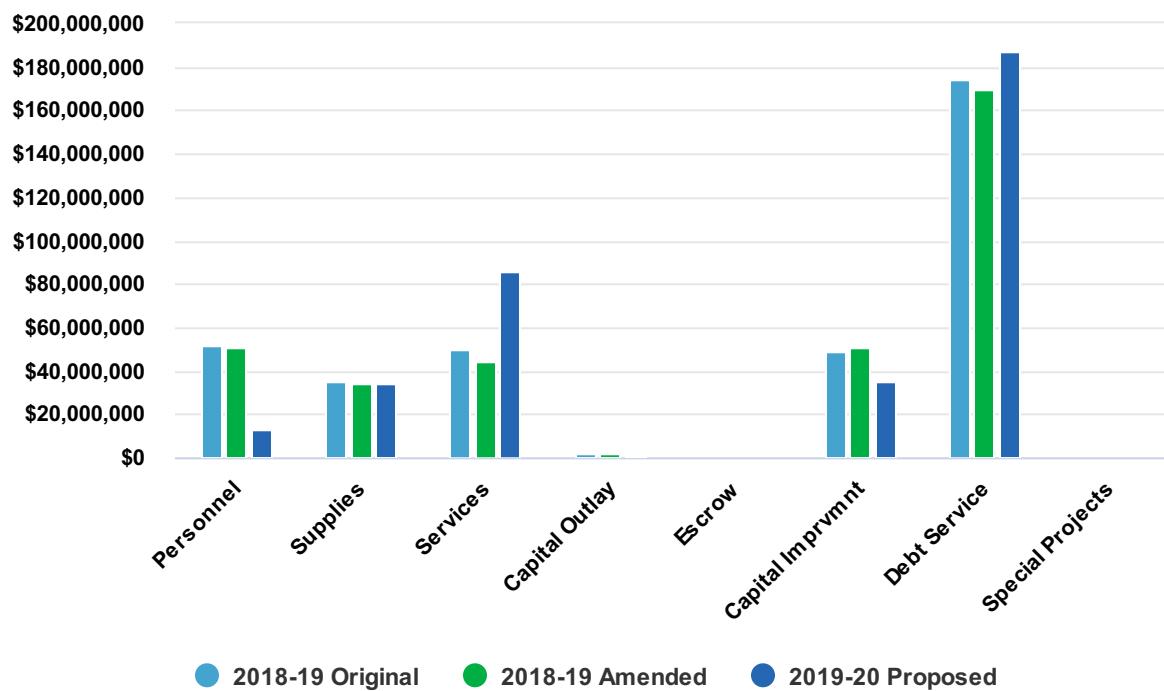
The FY19 Amended Budget for expenditures totals \$351,700,555, which is \$8,867,990 or 2.46% less than the FY19 Original Budget of \$360,568,545. This decrease is due to reduced power and reduced water purchases because of less than expected consumption.

For the FY20 Annual Budget, the total RWS expenditures requested are \$356,612,720, which is \$3,955,825 or 1.10% less than the FY19 Original Budget.

Major budget variances are explained below:

- Services increased \$35,634,525 and Personnel decreased by (\$38,611,595). This is the result of the Support departments being moved to their own fund. Support related personnel expenses are now reflected in the Services section of the Operating Systems.
- Special Projects are lower (\$120,000).
- Capital Outlay is lower (\$159,960). Machinery increased to allow for replacement pumps, clarifier drives and evaporator replacements. These increases were offset by decreases in Office Equipment, Laboratory Equipment and Non-Vehicle Equipment.
- Supplies decreased (\$972,915). While chemicals are higher due to new contracts and forecasted usage rates the increase was more than offset by savings in Computer Supplies, Fuel/Oil/Lube, Laboratory Supplies, Pipeline Supplies and various other decreases.
- Increased debt service cost of \$274,120 for the financing of \$281 million in revenue bonds and offset by lower Capital Improvement Fund transfers of \$35,170,000.

REGIONAL WATER SYSTEM BUDGET EXPENDITURES



**Regional Water System
Operating Fund**

9/30/2019

Regional Water System	FY19	FY19	FY20
	Budget	Amended	Proposed
Fund Balance:			
Beginning Balance	\$ 33,467,960	\$ 38,207,199	\$ 33,565,469
FY 2018 Fund Balance Policy Adjustment		(4,700,000)	
Revenues	360,784,885	351,758,825	355,877,850
Expenditures	360,568,545	351,700,555	356,612,720
Increase / (Decrease)	216,340	58,270	(734,870)
Ending Balance	33,684,300	33,565,469	32,830,599
Divided by Daily Operating Expense	\$ 374,241	\$ 355,024	\$ 363,090
Days of Operating Expense	90	95	90

Daily Operating & Maintenance Expense Calculation:

Total Expenditures	\$ 360,568,545	\$ 351,700,555	\$ 356,612,720
Less:			
Debt Service	173,843,115	169,540,580	187,547,235
Fund Balance Transfer	-	-	2,800,000
Transfer to Capital Improvement Fund	48,600,000	50,910,000	32,370,000
Capital Outlay	1,527,460	1,666,075	1,367,500
Total Operating & Maintenance Expense	136,597,970	129,583,900	132,527,985
Divided by Days	365	365	365
Daily Operating Expense	\$ 374,241	\$ 355,024	\$ 363,090

**Regional Water System
Capital Improvement Fund**

9/30/2019

Projected Balance:

Fund Balance - 07/31/19	\$ 166,851,880
Remaining Payments to be made on Authorized Projects	(109,909,263)
Balance Available for Future Projects	\$ 56,942,617
Remaining Budgeted Transfers from Operating Fund	10,410,000
Payment from Reserve Maintenance Fund:	
Chapman Pump Station Pump No. 2 Repair - Project 417, AM# 5167	20,790
Payment from GTUA:	
72-inch Texoma Pipeline Improvements - Project 469, AM# 5057	709,148
Projects to be Considered for Award	(15,681,000)
Balance Available for Future Projects - 09/30/19	\$ 52,401,555
FY19 Fund Balance Transfer	2,800,000
Transfers from Operating Fund	32,370,000
Bond Funding: Swift 2018 Reimbursement	34,123,448
Projects to be Considered for Award	(107,792,000)
Balance Available for Future Projects - 9/30/20	<u>\$ 13,903,003</u>

Historical Balances:

	Balance	Unencumbered Balance
9/30/09	\$ 75,700,042	\$ 40,693,071
9/30/10	62,603,206	47,945,316
9/30/11	62,473,946	41,078,986
9/30/12	57,316,585	40,203,249
9/30/13	54,791,686	29,896,657
9/30/14	53,009,019	25,566,759
9/30/15	60,618,735	22,084,492
9/30/16	101,226,038	43,155,575
9/30/17	116,901,905	19,596,344
9/30/18	159,460,250	50,076,168

**Regional Water System
Contingency Fund**

9/30/2019

	2018-19 Original	2018-19 Amended	2019-20 Proposed
Fund Balance:			
Beginning Balance	\$ 13,870,864	\$ 19,423,373	\$ 24,123,373
Leonard WTP - Electrical Service Security Agreement (Proj 362)	5,229,000	-	-
FY 2018 Fund Balance Policy Adjustment	-	4,700,000	-
Ending Balance	<u><u>\$ 19,099,864</u></u>	<u><u>\$ 24,123,373</u></u>	<u><u>\$ 24,123,373</u></u>

Historical Balances:

Fiscal Year	Ending Balance
2010	\$ 2,547,459
2011	2,550,552
2012	19,655,847
2013	19,674,492
2014	23,182,226
2015	23,194,220
2016	18,934,610
2017	19,099,864
2018	19,423,373

Note: The Contingency Fund has been established pursuant to Bond Resolutions to fund unexpected or extraordinary system expenses. The required minimum balance is \$500,000.

East Fork Raw Water Supply (The Wetlands)



Regional Water System Facilities

5330 – Plant Operations

Plant Operations provide 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 complete by 2020. 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 consist 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 the fall of 2020 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 WTP 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 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 1.7 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.

FY2020 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 BMPs 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 Member 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

Plant Operations	FY19	FY20	Difference
Full-Time Positions			
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 Transmission System Operator	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	-
Transmission System Operator II	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	-
Total Full-Time Positions	85.0	83.0	(2.0)

Expense Detail

Plant Operations	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
Personnel						
511000 - Supervision	\$ 1,281,076	\$ 1,657,335	\$ 1,673,510	\$ 1,828,570	\$ 171,235	10.33%
511020 - Clerical	125,433	208,005	205,710	214,435	6,430	3.09%
511030 - Skilled	3,149,675	3,540,490	3,514,405	3,702,940	162,450	4.59%
511040 - Labor	39,235	46,010	32,780	39,035	(6,975)	-15.16%
511050 - Part-time	79,073	73,205	-	-	(73,205)	-100.00%
511060 - Overtime	507,532	490,000	490,000	535,000	45,000	9.18%
512000 - Social Security	378,680	412,570	419,045	434,695	22,125	5.36%
513000 - Workers' Comp Ins	149,368	161,465	156,290	159,160	(2,305)	-1.43%
513010 - Unemployment Ins	322	-	-	-	-	0.00%
513020 - Hospitalization Ins	940,332	1,073,240	1,073,360	1,069,005	(4,235)	-0.39%
513040 - Dental Ins	50,736	58,505	56,195	55,360	(3,145)	-5.38%
513060 - Life Ins	10,825	12,365	12,625	12,820	455	3.68%
514000 - Retirement	603,834	581,020	581,020	678,910	97,890	16.85%
514010 - Retiree - Insurance	119,360	118,530	118,530	118,445	(85)	-0.07%
514020 - Comp Absences-vacation	49,075	46,530	46,530	41,335	(5,195)	-11.16%
514030 - Comp Absences-sick	47,100	48,665	48,665	65,595	16,930	34.79%
515000 - Cell Phone Stipend	32,480	33,120	33,120	30,720	(2,400)	-7.25%
Personnel Total	\$ 7,564,136	\$ 8,561,055	\$ 8,461,785	\$ 8,986,025	\$ 424,970	4.96%
Supplies						
520100 - Office Supplies	\$ 7,061	\$ 8,630	\$ 13,630	\$ 17,375	\$ 8,745	101.33%
520110 - Computer Supplies	67,884	85,305	81,305	77,695	(7,610)	-8.92%
520200 - Xerox Supplies	10,014	7,700	7,700	7,700	-	0.00%
520300 - Clothing Supplies	29,731	29,000	29,000	51,025	22,025	75.95%
520600 - Fuel, Oil and Lube	29,939	23,390	23,390	24,095	705	3.01%
520700 - Machine Oil & Lube	21,268	26,000	26,000	23,270	(2,730)	-10.50%
520800 - Small Tools & Equip	12,641	19,800	19,800	20,450	650	3.28%
521000 - Laboratory Supplies	55,471	63,450	63,450	63,030	(420)	-0.66%
521110 - Safety Supplies	26,639	144,535	144,535	153,575	9,040	6.25%
521200 - Chem - Other	88,532	166,500	166,500	55,385	(111,115)	-66.74%
521201 - Chem - Lime	3,496	677,700	245,000	877,730	200,030	29.52%
521202 - Chem - Ferric Sulfate	11,145,020	9,653,515	10,985,945	11,084,330	1,430,815	14.82%
521203 - Chem - Chlorine	935,280	1,260,605	1,201,400	1,214,385	(46,220)	-3.67%
521204 - Chem - Ammonia	288,848	360,000	353,610	271,675	(88,325)	-24.53%
521205 - Chem - Fluoride	9,347	270,000	90,000	312,660	42,660	15.80%
521209 - Chem - Polymers	413,292	450,000	460,000	1,059,530	609,530	135.45%
521214 - Chem - Caustic	8,540,820	9,929,700	9,971,140	10,638,870	709,170	7.14%
521216 - Chem - Sodium Chlorite	1,639,424	2,610,000	1,695,100	2,811,675	201,675	7.73%
521218 - Chem - Liquid Oxygen	569,628	1,080,000	600,000	1,275,360	195,360	18.09%
521300 - Botanical Supplies	-	475	475	475	-	0.00%
521400 - Electrical Supplies	393,510	489,200	489,200	464,200	(25,000)	-5.11%

Expense Detail (continued)

Plant Operations	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
Supplies (continued)						
521500 - Mechanical Supplies	\$ 358,202	\$ 560,000	\$ 560,000	\$ 535,000	\$ (25,000)	-4.46%
521600 - Pipeline Supplies	6,693	30,000	30,000	-	(30,000)	-100.00%
521700 - Building Supplies	24,435	50,000	50,000	85,000	35,000	70.00%
521900 - Vehicle Supplies	4,597	11,060	11,060	12,930	1,870	16.91%
521910 - Tires and Tubes	2,767	5,500	5,500	7,870	2,370	43.09%
522000 - Equipment Supplies	121,347	181,430	181,430	271,190	89,760	49.47%
522200 - Road Maintenance Supp	185,908	123,500	123,500	86,000	(37,500)	-30.36%
523000 - Other Supplies	190,815	150,000	150,000	75,000	(75,000)	-50.00%
Supplies Total	\$ 25,182,609	\$ 28,466,995	\$ 27,778,670	\$ 31,577,480	\$ 3,110,485	10.93%
Services						
530300 - Automotive Insurance	\$ 12,573	\$ 13,500	\$ 12,380	\$ 14,915	\$ 1,415	10.48%
530400 - Fire & Exten Cov Ins	281,579	326,990	336,240	398,545	71,555	21.88%
531000 - Telephone	3,959	7,000	7,000	7,000	-	0.00%
531020 - Internet Service	22,196	53,945	53,945	23,280	(30,665)	-56.84%
531100 - Electric Power	2,058,751	1,800,000	2,583,915	2,500,000	700,000	38.89%
531200 - Bank Service Fees	-	-	-	4,075	4,075	0.00%
531300 - Engin/Consultant Svc	963,084	746,260	2,075,130	1,763,250	1,016,990	136.28%
531310 - Special Studies & Rpts	557,120	1,334,750	1,332,250	358,500	(976,250)	-73.14%
531320 - Water Conservation Prog	1,404,029	1,322,540	1,336,180	1,837,185	514,645	38.91%
531400 - Legal Service	170,656	250,000	257,000	250,000	-	0.00%
531500 - Planning & Development	-	5,600	3,600	5,600	-	0.00%
531600 - Printing & Binding	65	1,045	1,045	1,045	-	0.00%
531700 - Advertising	3,349	5,400	3,000	5,250	(150)	-2.78%
531800 - Rent or Lease Payment	12,571	9,500	9,500	9,500	-	0.00%
531810 - Demurrage	-	115,000	115,000	75,000	(40,000)	-34.78%
531900 - Travel and Training	27,860	48,000	47,260	51,700	3,700	7.71%
531910 - Education and Training	39,075	85,470	85,470	109,145	23,675	27.70%
532000 - Mem & Subscriptions	54,876	60,385	60,385	64,515	4,130	6.84%
532100 - Vehicle Maint	1,341	5,000	5,000	4,505	(495)	-9.90%
532110 - Veh Maint by Solid Waste	3,435	7,960	7,960	7,960	-	0.00%
532200 - Equipment Maintenance	546,435	718,500	719,460	948,500	230,000	32.01%
532210 - Special Maintenance	5,190,031	6,237,795	6,237,795	6,173,330	(64,465)	-1.03%
532220 - Pipeline Maintenance	9,190	9,500	9,500	-	(9,500)	-100.00%
532230 - Facilities Maintenance	10,555	185,500	185,500	505,500	320,000	172.51%
532300 - Postage	121	150	150	300	150	100.00%
532600 - Lake Maintenance	569,955	631,985	631,985	631,985	-	0.00%
532700 - Radio Maintenance	-	-	-	25,000	25,000	0.00%
532800 - Grounds Maintenance	5,000	12,500	12,500	-	(12,500)	-100.00%
532850 - Building Maintenance	1,632	1,500	1,500	1,500	-	0.00%
532900 - Electrical Sys Maint	342,157	400,670	400,670	375,670	(25,000)	-6.24%
533000 - Other Services	178,958	12,800	114,800	12,800	-	0.00%
533010 - Texoma O & M Cost	13,779	223,000	223,000	-	(223,000)	-100.00%
533030 - Contractual Safety Serv	12,691	40,000	40,000	115,000	75,000	187.50%
533500 - Lab Svc - Contract	54,469	100,000	100,000	195,125	95,125	95.13%

Expense Detail (continued)

Plant Operations							Variance \$	Variance %
Expense Category	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget		
Services (continued)								
533900 - Permits, Ins, & Lic Fees	\$ 355	\$ 5,000	\$ 5,000	\$ 5,000	\$ -	\$ -	0.00%	
533910 - Permit Assessment Fees	32,496	35,000	35,000	35,000	-	-	0.00%	
534000 - Uninsured losses	593,134	1,000	1,000	1,000	-	-	0.00%	
534200 - Plant Security Services	282,195	302,000	302,000	325,500	23,500	23,500	7.78%	
Support Services	-	-	-	25,399,380	25,399,380	25,399,380	0.00%	
Services Total	\$ 13,459,672	\$ 15,115,245	\$ 17,352,120	\$ 42,241,560	\$ 27,126,315	\$ 27,126,315	179.46%	
Capital Outlay								
540300 - Vehicle Equipment	\$ 24,900	\$ -	\$ -	\$ 91,500	\$ 91,500	\$ 91,500	0.00%	
540500 - Machinery	229,825	279,000	279,000	947,000	668,000	668,000	239.43%	
540700 - Non-Vehicle Equipment	-	14,960	-	-	(14,960)	(14,960)	-100.00%	
540800 - Pipeline Equipment	46,893	-	-	-	-	-	0.00%	
Capital Outlay Total	\$ 301,617	\$ 293,960	\$ 279,000	\$ 1,038,500	\$ 744,540	\$ 744,540	253.28%	
Special Projects								
560000 - Special Projects	\$ -	\$ 45,000	\$ 45,000	\$ -	\$ (45,000)	\$ (45,000)	-100.00%	
Special Projects Total	\$ -	\$ 45,000	\$ 45,000	\$ -	\$ (45,000)	\$ (45,000)	-100.00%	
Grand Total	\$ 46,508,035	\$ 52,482,255	\$ 53,916,575	\$ 83,843,565	\$ 31,361,310	\$ 31,361,310	59.76%	

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$31,361,310 from the FY19 Original Budget. Major variances are explained below.

- Chemicals increased due to higher bids on new contracts.
- Engineering and Consultant Services increased due to requirements for Bois d' Arc Lake.
- Facility Maintenance increased for rehabilitation of 3 plants.
- Support Services increased due to a new allocation methodology.
- Machinery increased due to a greater number of replacements needed.

Texoma Pump Station

Overview

The Texoma Pump Station system serves to transfer raw water from Lake Texoma to the Wylie WTP. The Transmission 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.

FY2020 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	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
Supplies						
520700 - Machine Oil & Lube	\$ 6,957	\$ 8,000	\$ 8,000	\$ 8,000	\$ -	0.00%
521110 - Safety Supplies	468	-	-	500	500	0.00%
521400 - Electrical Supplies	9,400	15,000	15,000	15,000	-	0.00%
521500 - Mechanical Supplies	70	1,000	1,000	1,000	-	0.00%
521600 - Pipeline Supplies	21,634	51,300	51,300	50,000	(1,300)	-2.53%
521700 - Building Supplies	119	1,000	1,000	3,000	2,000	200.00%
Supplies Total	\$ 38,648	\$ 76,300	\$ 76,300	\$ 77,500	\$ 1,200	1.57%
Services						
531000 - Telephone	\$ 1,656	\$ 1,500	\$ 1,500	\$ 1,700	\$ 200	13.33%
531100 - Electric Power	1,218,522	1,534,115	1,122,875	1,574,270	40,155	2.62%
531103 - Recov-GTUA Power	(140,316)	(231,120)	(256,805)	(256,805)	(25,685)	11.11%
532220 - Pipeline Maintenance	-	30,000	30,000	30,000	-	0.00%
533000 - Other Services	-	121,000	19,000	19,000	(102,000)	-84.30%
533030 - Contractual Safety Serv	-	2,000	2,000	2,000	-	0.00%
Support Services	-	64,000	64,000	645,185	581,185	908.10%
Services Total	\$1,079,862	\$1,521,495	\$ 982,570	\$2,015,350	\$ 493,855	32.46%
Grand Total	\$ 1,118,510	\$ 1,597,795	\$ 1,058,870	\$ 2,092,850	\$ 495,055	30.98%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$495,055 from the FY19 Original Budget. Major variances are explained below.

- Support Services increased due to a new allocation methodology.

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.

FY2020 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	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
Supplies						
520700 - Machine Oil & Lube	\$ 4,807	\$ 5,400	\$ 3,725	\$ 5,400	\$ -	0.00%
521110 - Safety Supplies	-	-	310	500	500	0.00%
521400 - Electrical Supplies	10,705	9,500	2,500	9,500	-	0.00%
521500 - Mechanical Supplies	6,314	1,500	1,790	5,000	3,500	233.33%
521600 - Pipeline Supplies	37,206	55,350	55,350	55,350	-	0.00%
521700 - Building Supplies	550	1,000	1,000	2,000	1,000	100.00%
522000 - Equipment Supplies	-	2,000	2,000	2,000	-	0.00%
522200 - Road Maint Supplies	2,318	2,000	36,505	2,000	-	0.00%
525000 - Recovery - Supplies	(30,950)	(38,375)	(38,375)	(40,875)	(2,500)	6.51%
Supplies Total	\$ 30,950	\$ 38,375	\$ 64,805	\$ 40,875	\$ 2,500	6.51%
Services						
531000 - Telephone	\$ 892	\$ 900	\$ 900	\$ 900	\$ -	0.00%
531100 - Electric Power	1,873,850	2,289,580	1,306,215	2,419,810	130,230	5.69%
531101 - Recov-Sulp Springs Pwr	(52,624)	(106,895)	(118,770)	(118,770)	(11,875)	11.11%
531102 - Recov-Irving Power	(1,314,457)	(941,060)	(1,045,620)	(1,045,620)	(104,560)	11.11%
531300 - Engin/Consultant Svc	-	-	-	50,000	50,000	0.00%
532220 - Pipeline Maintenance	-	-	25,575	-	-	0.00%
532800 - Grounds Maintenance	-	45,000	45,000	45,000	-	0.00%
532900 - Electrical Sys Maint	-	5,000	2,000	5,000	-	0.00%
533000 - Other Services	4,853	5,000	5,000	5,000	-	0.00%
533030 - Contractual Safety Serv	-	5,500	1,500	5,500	-	0.00%
533900 - Permits, Ins, & Lic Fees	325	500	500	500	-	0.00%
535000 - Recovery - Contractual Support Services	(25,493)	(78,180)	(78,180)	(103,180)	(25,000)	31.98%
Services Total	\$ 532,262	\$ 1,319,805	\$ 193,575	\$ 1,358,600	\$ 38,795	2.94%
Escrow						
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%
Escrow Total	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ -	0.00%
Grand Total	\$ 613,212	\$ 1,408,180	\$ 308,380	\$ 1,449,475	\$ 41,295	2.93%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$41,295 from the FY19 Original Budget. Major variances are explained below.

- Electrical Power increased based on historical trending.
- Engin/Consulting Services increased for development of an O&M Manual.

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" 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.

FY2020 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		FY19	FY20	Difference
Full-Time Positions				
Lead Water Plant Operator		1.0	1.0	-
Water Plant Mechanic		1.0	1.0	-
Water Plant Operator II		7.0	7.0	-
Water Plant Operator III		2.0	2.0	-
Water Plant Supervisor II		1.0	1.0	-
Total Full-Time Positions		12.0	12.0	-

Expense Detail

Tawakoni Pump Station	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
Personnel						
511000 - Supervision	\$ 73,033	\$ 76,130	\$ 77,105	\$ 80,110	\$ 3,980	5.23%
511030 - Skilled	524,477	583,380	568,490	603,940	20,560	3.52%
511060 - Overtime	88,719	85,000	85,000	85,000	-	0.00%
512000 - Social Security	49,604	49,615	50,735	52,330	2,715	5.47%
513000 - Workers' Comp Ins	27,456	28,540	26,360	26,650	(1,890)	-6.62%
513020 - Hospitalization Ins	161,146	166,535	177,295	177,295	10,760	6.46%
513040 - Dental Ins	7,753	8,265	8,465	8,660	395	4.78%
513060 - Life Ins	1,457	1,515	1,545	1,555	40	2.64%
514000 - Retirement	78,267	74,615	74,615	80,280	5,665	7.59%
514010 - Retiree - Insurance	15,470	15,220	15,220	14,005	(1,215)	-7.98%
514020 - Comp Absences-vacation	35,795	-	-	-	-	0.00%
514030 - Comp Absences-sick	2,395	-	-	2,110	2,110	0.00%
515000 - Cell Phone Stipend	5,000	5,280	5,280	4,320	(960)	-18.18%
Personnel Total	\$ 1,070,573	\$ 1,094,095	\$ 1,090,110	\$ 1,136,255	\$ 42,160	3.85%

Supplies

520100 - Office Supplies	\$ 1,028	\$ 750	\$ 750	\$ 750	\$ -	0.00%
520110 - Computer Supplies	2,476	4,030	4,030	7,060	3,030	75.19%
520300 - Clothing Supplies	5,919	5,000	5,500	4,530	(470)	-9.40%
520600 - Fuel, Oil and Lube	5,049	4,950	4,950	4,550	(400)	-8.08%
520700 - Machine Oil & Lube	210	1,500	1,500	1,500	-	0.00%
520800 - Small Tools & Equip	741	950	950	950	-	0.00%
521000 - Laboratory Supplies	8,917	12,000	12,000	12,000	-	0.00%
521110 - Safety Supplies	2,717	17,900	17,900	17,900	-	0.00%
521200 - Chem - Other	10,781	6,210	11,010	51,750	45,540	733.33%
521201 - Chem - Lime	108,125	188,100	100,000	180,055	(8,045)	-4.28%
521202 - Chem - Ferric Sulfate	352,123	432,365	343,805	579,890	147,525	34.12%
521203 - Chem - Chlorine	120,290	184,500	164,170	191,565	7,065	3.83%
521204 - Chem - Ammonia	31,540	45,000	41,305	48,200	3,200	7.11%
521205 - Chem - Fluoride	5,505	23,400	18,560	22,590	(810)	-3.46%
521209 - Chem - Polymers	15,800	27,000	38,780	58,880	31,880	118.07%
521216 - Chem - Sodium Chlorite	137,582	189,000	98,725	211,790	22,790	12.06%
521218 - Chem - Liquid Oxygen	35,878	74,700	25,000	147,075	72,375	96.89%
521300 - Botanical Supplies	418	450	450	450	-	0.00%
521400 - Electrical Supplies	31,973	24,000	24,000	30,000	6,000	25.00%

Expense Detail (continued)

Tawakoni Pump Station	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
Supplies (continued)						
521500 - Mechanical Supplies	\$ 41,469	\$ 17,100	\$ 23,100	\$ 20,000	\$ 2,900	16.96%
521600 - Pipeline Supplies	3,009	2,375	2,375	2,375	-	0.00%
521700 - Building Supplies	458	950	7,950	950	-	0.00%
521900 - Vehicle Supplies	346	950	950	950	-	0.00%
521910 - Tires and Tubes	562	800	800	800	-	0.00%
522000 - Equipment Supplies	12,112	22,800	22,800	37,800	15,000	65.79%
522200 - Road Maint Supplies	-	1,500	1,500	1,500	-	0.00%
Supplies Total	\$ 935,030	\$ 1,288,280	\$ 972,860	\$ 1,635,860	\$ 347,580	26.98%
Services						
530300 - Automotive Insurance	\$ 1,465	\$ 1,585	\$ 1,435	\$ 1,545	\$ (40)	-2.52%
530400 - Fire & Exten Cov Ins	45,371	52,835	51,950	61,575	8,740	16.54%
531000 - Telephone	5,243	4,200	4,200	4,500	300	7.14%
531020 - Internet Service	24,092	24,750	24,750	25,000	250	1.01%
531100 - Electric Power	2,256,407	4,152,600	1,954,250	4,528,605	376,005	9.05%
531130 - Wholesale Water Purch	1,760,210	4,177,795	2,020,460	4,401,905	224,110	5.36%
531800 - Rent or Lease Payment	-	1,000	1,000	1,000	-	0.00%
531900 - Travel and Training	1,210	600	600	600	-	0.00%
531910 - Education and Training	1,757	4,500	4,500	4,500	-	0.00%
532000 - Mem & Subscriptions	75	600	600	600	-	0.00%
532100 - Vehicle Maint	25	-	-	-	-	0.00%
532110 - Veh Maint by Solid Waste	310	450	450	450	-	0.00%
532200 - Equipment Maintenance	10,973	150,000	30,000	150,000	-	0.00%
532210 - Special Maintenance	4,618	14,000	14,000	14,000	-	0.00%
532220 - Pipeline Maintenance	941	7,000	7,000	7,000	-	0.00%
532230 - Facilities Maintenance	1,050	9,000	9,000	9,000	-	0.00%
532700 - Radio Maintenance	-	1,000	1,000	1,000	-	0.00%
532800 - Grounds Maintenance	600	-	-	-	-	0.00%
532810 - Grounds Maint - Contract	12,600	24,000	24,000	31,200	7,200	30.00%
532900 - Electrical Sys Maint	-	45,000	102,000	45,000	-	0.00%
533000 - Other Services	58,561	52,900	52,900	57,400	4,500	8.51%
533030 - Contractual Safety Serv	686	8,300	8,300	4,000	(4,300)	-51.81%
533500 - Lab Svc - Contract	15,430	14,820	14,820	14,820	-	0.00%
533900 - Permits, Ins, & Lic Fees	3,569	1,000	1,000	1,000	-	0.00%
533910 - Permit Assessment Fees	-	500	3,300	500	-	0.00%
Support Services	-	2,400	2,400	2,892,655	2,890,255	120427.29%
Services Total	\$ 4,205,194	\$ 8,750,835	\$ 4,333,915	\$ 12,257,855	\$ 3,507,020	40.08%
Grand Total	\$ 6,210,797	\$ 11,133,210	\$ 6,396,885	\$ 15,029,970	\$ 3,896,760	35.00%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$3,896,760 from the FY19 Original Budget. Major variances are explained below.

- Electric Power increased based on trending and Chemicals increased on new contracts.
- Support Services increased due to a new allocation methodology.

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.

FY2020 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	FY19	FY20	Difference
Lead Operator	1.0	1.0	-
Maintenance Worker - Wetlands	5.0	5.0	-
Wetlands Supervisor	1.0	1.0	-
Total Full-Time Positions	7.0	7.0	-

Expense Detail

The Wetlands Operations		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
Personnel							
511000 - Supervision	\$ 65,048	\$ 68,310	\$ 68,475	\$ 71,895	\$ 3,585	5.25%	
511030 - Skilled	52,826	55,470	55,930	58,730	3,260	5.88%	
511040 - Labor	191,565	203,095	202,590	212,750	9,655	4.75%	
511060 - Overtime	5,652	1,500	1,500	1,500	-	0.00%	
512000 - Social Security	22,865	25,005	24,390	26,275	1,270	5.08%	
513000 - Workers' Comp Ins	13,031	14,380	12,745	13,380	(1,000)	-6.95%	
513020 - Hospitalization Ins	70,359	73,130	73,130	73,130	-	0.00%	
513040 - Dental Ins	5,211	5,565	5,330	5,350	(215)	-3.86%	
513060 - Life Ins	777	775	810	805	30	3.87%	
514000 - Retirement	38,421	37,335	37,335	40,300	2,965	7.94%	
514010 - Retiree - Insurance	7,595	7,615	7,615	7,030	(585)	-7.68%	
514020 - Comp Absences-vacation	6,220	1,450	1,450	3,035	1,585	109.31%	
515000 - Cell Phone Stipend	960	960	960	960	-	0.00%	
Personnel Total	\$ 480,530	\$ 494,590	\$ 492,260	\$ 515,140	\$ 20,550	4.15%	
Supplies							
520100 - Office Supplies	\$ 193	\$ 200	\$ 200	\$ 200	-	0.00%	
520110 - Computer Supplies	1,459	3,800	3,800	3,800	-	0.00%	
520300 - Clothing Supplies	3,944	5,000	7,500	6,000	1,000	20.00%	
520600 - Fuel, Oil and Lube	10,654	22,000	22,000	21,000	(1,000)	-4.55%	
520630 - Toll Fees	31	-	-	-	-	0.00%	
520700 - Machine Oil & Lube	8,924	10,000	10,000	10,000	-	0.00%	
520800 - Small Tools & Equip	3,087	3,200	3,200	3,200	-	0.00%	
520810 - Fire Extinguishers	211	200	500	200	-	0.00%	
520820 - Expendable Supplies	2,028	6,000	6,000	6,000	-	0.00%	
520900 - Janitorial Supplies	84	270	270	270	-	0.00%	
521000 - Laboratory Supplies	-	400	400	400	-	0.00%	
521110 - Safety Supplies	1,770	3,500	3,500	3,500	-	0.00%	
521300 - Botanical Supplies	3,004	1,000	3,000	1,400	400	40.00%	
521400 - Electrical Supplies	14,328	10,000	10,000	10,000	-	0.00%	
521500 - Mechanical Supplies	8,180	66,000	66,000	66,000	-	0.00%	
521600 - Pipeline Supplies	937	4,500	4,500	4,500	-	0.00%	
521700 - Building Supplies	5,309	17,000	17,000	15,000	(2,000)	-11.76%	
521900 - Vehicle Supplies	627	2,000	2,000	2,000	-	0.00%	
521910 - Tires and Tubes	10	4,085	13,885	4,200	115	2.82%	
522000 - Equipment Supplies	2,565	2,000	2,000	5,000	3,000	150.00%	
522200 - Road Maintenance Supplies	-	25,000	25,000	25,000	-	0.00%	
523000 - Other Supplies	370	1,500	1,500	1,500	-	0.00%	
Supplies Total	\$ 67,714	\$ 187,655	\$ 202,255	\$ 189,170	\$ 1,515	0.81%	

Expense Detail (continued)

The Wetlands Operations		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	
Services							
530300 - Automotive Insurance	\$ 6,466	\$ 6,990	\$ 6,010	\$ 5,390	\$ (1,600)		-22.89%
530400 - Fire & Exten Cov Ins	16,631	19,365	19,045	22,570	3,205		16.55%
531000 - Telephone	4,837	6,900	6,900	6,900	-		0.00%
531020 - Internet Service	1,371	1,440	1,440	1,440	-		0.00%
531100 - Electric Power	1,357,454	3,028,645	474,830	2,763,745	(264,900)		-8.75%
531120 - Retail Water Service	457	500	500	500	-		0.00%
531130 - Wholesale Water Purch	1,238,416	3,665,540	3,647,710	3,175,780	(489,760)		-13.36%
531310 - Special Studies & Rpts	144,599	206,000	206,000	206,000	-		0.00%
531400 - Legal Service	-	-	2,600	-	-		0.00%
531800 - Rent or Lease Payment	-	1,900	1,900	1,900	-		0.00%
531900 - Travel and Training	650	650	650	650	-		0.00%
531910 - Education and Training	370	2,200	3,400	2,200	-		0.00%
532100 - Vehicle Maint	39	950	950	950	-		0.00%
532110 - Veh Maint by Solid Waste	515	1,425	1,425	2,000	575		40.35%
532200 - Equipment Maintenance	1,322	45,000	45,000	60,000	15,000		33.33%
532220 - Pipeline Maintenance	8,232	35,000	35,000	35,000	-		0.00%
532230 - Facilities Maintenance	-	25,500	25,500	25,500	-		0.00%
532240 - Nature Center	164,354	213,000	213,000	213,000	-		0.00%
532900 - Electrical Sys Maint	51,140	141,000	85,000	141,000	-		0.00%
533000 - Other Services	8,398	66,320	169,020	66,320	-		0.00%
533020 - Contract Labor	-	235,000	215,600	100,000	(135,000)		-57.45%
533500 - Lab Svc - Contract	-	500	500	500	-		0.00%
534200 - Plant Security Services	5,524	20,000	20,000	20,000	-		0.00%
Support Services	-	5,400	5,400	1,887,875	1,882,475		34860.65%
Services Total		\$ 3,010,774	\$ 7,729,225	\$ 5,187,380	\$ 8,739,220	\$ 1,009,995	13.07%
Capital Outlay							
540200 - Building	\$ -	\$ -	\$ -	\$ 35,000	\$ 35,000		0.00%
540300 - Vehicle Equipment	97,560	-	-	18,000	18,000		0.00%
540700 - Non-Vehicle Equipment	-	35,000	35,000	-	(35,000)		-100.00%
Capital Outlay Total		\$ 97,560	\$ 35,000	\$ 35,000	\$ 53,000	\$ 18,000	51.43%
Grand Total		\$ 3,656,579	\$ 8,446,470	\$ 5,916,895	\$ 9,496,530	\$ 1,050,060	12.43%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$1,050,060 from the FY19 Original Budget. Major variances are explained below.

- Supports Services increased due to a new allocation methodology.

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.

FY2020 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	FY19	FY20	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	-
Total Full-Time Positions	11.0	11.0	-

Expense Detail

Bonham WTP	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
Personnel						
511000 - Supervision	\$ 68,266	\$ 71,265	\$ 71,365	\$ 74,890	\$ 3,625	5.09%
511030 - Skilled	500,939	548,465	537,425	573,060	24,595	4.48%
511060 - Overtime	88,197	80,000	80,000	80,000	-	0.00%
512000 - Social Security	47,040	46,575	47,905	49,560	2,985	6.41%
513000 - Workers' Comp Ins	26,095	26,795	25,445	25,255	(1,540)	-5.75%
513020 - Hospitalization Ins	152,245	161,155	154,430	154,430	(6,725)	-4.17%
513040 - Dental Ins	7,881	8,780	8,095	8,135	(645)	-7.35%
513060 - Life Ins	1,394	1,405	1,455	1,460	55	3.91%
514000 - Retirement	71,456	69,285	69,285	76,040	6,755	9.75%
514010 - Retiree - Insurance	14,125	14,135	14,135	13,265	(870)	-6.15%
514020 - Comp Absences-vacation	2,370	-	-	5,870	5,870	0.00%
514030 - Comp Absences-sick	2,990	3,230	3,230	1,365	(1,865)	-57.74%
515000 - Cell Phone Stipend	1,640	1,920	1,920	1,920	-	0.00%
Personnel Total	\$ 984,639	\$ 1,033,010	\$ 1,014,690	\$ 1,065,250	\$ 32,240	3.12%
Supplies						
520100 - Office Supplies	\$ 396	\$ 550	\$ 550	\$ 550	\$ -	0.00%
520110 - Computer Supplies	4,577	2,425	2,425	4,425	2,000	82.47%
520300 - Clothing Supplies	5,189	4,800	7,800	4,800	-	0.00%
520600 - Fuel, Oil and Lube	2,766	3,085	3,085	2,800	(285)	-9.24%
520700 - Machine Oil & Lube	-	605	605	605	-	0.00%
520800 - Small Tools & Equip	362	630	630	630	-	0.00%
521000 - Laboratory Supplies	12,176	15,000	15,000	15,000	-	0.00%
521110 - Safety Supplies	2,375	14,280	14,280	14,280	-	0.00%
521200 - Chem - Other	26,282	16,200	15,150	15,015	(1,185)	-7.31%
521201 - Chem - Lime	31,090	45,000	39,330	41,695	(3,305)	-7.34%
521202 - Chem - Ferric Sulfate	52,613	60,030	61,830	69,690	9,660	16.09%
521203 - Chem - Chlorine	21,637	27,900	27,290	27,855	(45)	-0.16%
521204 - Chem - Ammonia	(402)	5,040	4,870	5,225	185	3.67%
521205 - Chem - Fluoride	(3,960)	2,520	1,885	2,090	(430)	-17.06%
521209 - Chem - Polymers	3,403	4,950	6,860	7,570	2,620	52.93%
521216 - Chem - Sodium Chlorite	16,250	36,000	35,155	39,085	3,085	8.57%
521218 - Chem - Liquid Oxygen	5,904	9,900	4,915	16,555	6,655	67.22%
521300 - Botanical Supplies	87	150	150	150	-	0.00%
521400 - Electrical Supplies	8,462	16,600	20,600	16,600	-	0.00%
521500 - Mechanical Supplies	9,407	25,450	22,650	25,450	-	0.00%
521600 - Pipeline Supplies	-	1,500	1,500	1,500	-	0.00%
521700 - Building Supplies	1,025	900	1,400	900	-	0.00%
521900 - Vehicle Supplies	202	450	450	450	-	0.00%
521910 - Tires and Tubes	48	500	500	500	-	0.00%
522000 - Equipment Supplies	17,846	22,000	26,800	37,000	15,000	68.18%
522200 - Road Maintenance Supplies	-	1,500	-	1,500	-	0.00%
523000 - Other Supplies	1,163	1,400	200	1,400	-	0.00%
Supplies Total	\$ 218,898	\$ 319,365	\$ 315,910	\$ 353,320	\$ 33,955	10.63%

Expense Detail (continued)

Bonham WTP	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
Services						
530300 - Automotive Insurance	\$ 1,465	\$ 1,585	\$ 1,435	\$ 1,545	\$ (40)	-2.52%
530400 - Fire & Exten Cov Ins	8,692	10,120	9,955	11,795	1,675	16.55%
531000 - Telephone	2,452	3,500	3,500	3,500	-	0.00%
531020 - Internet Service	2,092	1,700	1,700	1,700	-	0.00%
531100 - Electric Power	79,021	77,760	76,410	80,590	2,830	3.64%
531310 - Special Studies & Rpts	-	500	500	500	-	0.00%
531800 - Rent or Lease Payment	-	1,500	500	1,500	-	0.00%
531900 - Travel and Training	1,056	1,500	1,500	1,500	-	0.00%
531910 - Education and Training	1,510	3,000	3,000	3,000	-	0.00%
532000 - Mem & Subscriptions	416	500	500	500	-	0.00%
532100 - Vehicle Maint	17	-	-	-	-	0.00%
532110 - Veh Maint by Solid Waste	324	500	500	510	10	2.00%
532200 - Equipment Maintenance	5,069	5,000	7,000	5,000	-	0.00%
532210 - Special Maintenance	-	10,000	10,000	5,000	(5,000)	-50.00%
532700 - Radio Maintenance	-	500	500	500	-	0.00%
532900 - Electrical Sys Maint	-	30,000	15,200	30,000	-	0.00%
533000 - Other Services	9,964	23,225	34,225	27,225	4,000	17.22%
533030 - Contractual Safety Serv	-	3,000	-	3,000	-	0.00%
533500 - Lab Svc - Contract	11,548	15,980	14,980	15,980	-	0.00%
533900 - Permits, Ins, & Lic Fees	1,598	1,600	1,600	1,600	-	0.00%
533910 - Permit Assessment Fees	-	500	500	500	-	0.00%
Support Services	-	-	-	950,085	950,085	0.00%
Services Total	\$ 125,225	\$ 191,970	\$ 183,505	\$ 1,145,530	\$ 953,560	496.72%
Grand Total	\$ 1,328,762	\$ 1,544,345	\$ 1,514,105	\$ 2,564,100	\$ 1,019,755	66.03%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$1,019,755 from the FY19 Original Budget. Major variances are explained below.

- Supports Services increased due to a new allocation methodology.



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.

FY2020 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 Plan.
- Develop and implement a 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 mid to late 2020
- Personnel
- Equipment
- Supplies
- Services

Position Summary

Bois d'Arc Lake Department

Full-Time Positions	FY19	FY20	Difference
Bois d'Arc Lake Permit Supervisor	-	1.0	1.0
Bois d'Arc Lake Supervisor	-	1.0	1.0
Total Full-Time Positions	-	2.0	2.0

Expense Detail

Bois d'Arc Lake 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
Personnel						
511000 - Supervision	\$ -	\$ -	\$ -	\$ 129,860	\$ 129,860	0.00%
512000 - Social Security	-	-	-	9,935	9,935	0.00%
513000 - Workers' Comp Ins	-	-	-	2,535	2,535	0.00%
513020 - Hospitalization Ins	-	-	-	16,340	16,340	0.00%
513040 - Dental Ins	-	-	-	540	540	0.00%
513060 - Life Ins	-	-	-	300	300	0.00%
514000 - Retirement	-	-	-	15,240	15,240	0.00%
514010 - Retiree - Insurance	-	-	-	2,660	2,660	0.00%
515000 - Cell Phone Stipend	-	-	-	960	960	0.00%
Personnel Total	\$ -	\$ -	\$ -	\$ 178,370	\$ 178,370	0.00%
Supplies						
520100 - Office Supplies	\$ -	\$ -	\$ -	\$ 3,995	\$ 3,995	0.00%
520110 - Computer Supplies	-	-	-	32,310	32,310	0.00%
520300 - Clothing Supplies	-	-	-	555	555	0.00%
520600 - Fuel, Oil and Lube	-	-	-	4,950	4,950	0.00%
520800 - Small Tools & Equip	-	-	-	1,690	1,690	0.00%
521110 - Safety Supplies	-	-	-	6,170	6,170	0.00%
521900 - Vehicle Supplies	-	-	-	11,320	11,320	0.00%
521910 - Tires and Tubes	-	-	-	1,030	1,030	0.00%
Supplies Total	\$ -	\$ -	\$ -	\$ 62,020	\$ 62,020	0.00%

Expense Detail (continued)

Bois d'Arc Lake 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
Services						
530300 - Automotive Insurance	\$ -	\$ -	\$ -	\$ 1,070	\$ 1,070	0.00%
531020 - Internet Service	-	-	-	\$ 1,620	\$ 1,620	0.00%
531300 - Engin/Consultant Svc	-	-	-	\$ 240,000	\$ 240,000	0.00%
531400 - Legal Service	-	-	-	\$ 5,000	\$ 5,000	0.00%
531490 - Raw Water Development	-	-	-	\$ 300,000	\$ 300,000	0.00%
531700 - Advertising	-	-	-	\$ 950	\$ 950	0.00%
531900 - Travel and Training	-	-	-	\$ 5,335	\$ 5,335	0.00%
531910 - Education and Training	-	-	-	\$ 2,000	\$ 2,000	0.00%
532000 - Mem & Subscriptions	-	-	-	\$ 4,665	\$ 4,665	0.00%
532100 - Vehicle Maint	-	-	-	\$ 4,040	\$ 4,040	0.00%
532110 - Veh Maint by Solid Waste	-	-	-	\$ 1,500	\$ 1,500	0.00%
532300 - Postage	-	-	-	\$ 500	\$ 500	0.00%
533020 - Contract Labor	-	-	-	\$ 100,000	\$ 100,000	0.00%
Support Services	-	-	-	\$ 2,196,525	\$ 2,196,525	0.00%
Services Total	\$ -	\$ -	\$ -	\$ 2,863,205	\$ 2,863,205	0.00%
Capital Outlay						
540300 - Vehicle Equipment	\$ -	\$ -	\$ -	\$ 77,000	\$ 77,000	0.00%
540700 - Non-Vehicle Equipment	-	-	-	\$ 45,000	\$ 45,000	0.00%
Capital Outlay Total	\$ -	\$ -	\$ -	\$ 122,000	\$ 122,000	0.00%
Grand Total	\$ -	\$ -	\$ -	\$ 3,225,595	\$ 3,225,595	0.00%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$3,225,595 from the FY19 Original Budget. Major variances are explained below.

- New department within RWS for FY20.

Leonard Water Treatment Plant

Overview

The Leonard Water Treatment Plant (WTP) will be a 70 MGD plant (ultimate buildout 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 1.7 million people.

FY2020 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

Position Summary

Leonard WTP		FY19	FY20	Difference
Full-Time Positions				
Lead Water Plant Operator		-	2.0	2.0
Water Plant Operator II		-	4.0	4.0
Water Treatment Plant Manager		-	1.0	1.0
Total Full-Time Positions		-	7.0	7.0

Expense Detail

Leonard WTP	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
Personnel						
511000 - Supervision	\$ -	\$ -	\$ -	\$ 82,770	\$ 82,770	0.00%
511030 - Skilled	-	-	-	296,410	296,410	0.00%
512000 - Social Security	-	-	-	29,000	29,000	0.00%
513000 - Workers' Comp Ins	-	-	-	14,775	14,775	0.00%
513020 - Hospitalization Ins	-	-	-	57,190	57,190	0.00%
513040 - Dental Ins	-	-	-	1,890	1,890	0.00%
513060 - Life Ins	-	-	-	905	905	0.00%
514000 - Retirement	-	-	-	44,500	44,500	0.00%
514010 - Retiree - Insurance	-	-	-	7,765	7,765	0.00%
515000 - Cell Phone Stipend	-	-	-	3,360	3,360	0.00%
Personnel Total	\$ -	\$ -	\$ -	\$ 538,565	\$ 538,565	0.00%
Services						
Support Services	\$ -	\$ -	\$ -	\$ 2,041,750	\$ 2,041,750	0.00%
Services Total	\$ -	\$ -	\$ -	\$ 2,041,750	\$ 2,041,750	0.00%
Capital Outlay						
540300 - Vehicle Equipment	\$ -	\$ -	\$ -	\$ 115,500	\$ 115,500	0.00%
Capital Outlay Total	\$ -	\$ -	\$ -	\$ 115,500	\$ 115,500	0.00%
Grand Total	\$ -	\$ -	\$ -	\$ 2,695,815	\$ 2,695,815	0.00%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$2,695,815 from the FY19 Original Budget. Major variances are explained below.

- New department within RWS for FY20.

Transmission Systems

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 NTMWD Member Cities and Customers, and works to maintain, develop and implement initiatives to improve the reliability and integrity of this infrastructure.

FY2020 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 effecting 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		FY19	FY20	Difference
Full-Time Positions				
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
Total Full-Time Positions		-	5.0	5.0

Expense Detail

Transmission Systems 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
Personnel						
511030 - Skilled	\$ -	\$ -	\$ -	\$ 266,050	\$ 266,050	0.00%
511060 - Overtime	-	-	-	48,000	48,000	0.00%
512000 - Social Security	-	-	-	20,350	20,350	0.00%
513000 - Workers' Comp Ins	-	-	-	10,370	10,370	0.00%
513020 - Hospitalization Ins	-	-	-	73,130	73,130	0.00%
513040 - Dental Ins	-	-	-	3,915	3,915	0.00%
513060 - Life Ins	-	-	-	620	620	0.00%
514000 - Retirement	-	-	-	31,225	31,225	0.00%
514010 - Retiree - Insurance	-	-	-	5,445	5,445	0.00%
514020 - Comp Absences-vacation	-	-	-	4,625	4,625	0.00%
515000 - Cell Phone Stipend	-	-	-	2,400	2,400	0.00%
Personnel Total	\$ -	\$ -	\$ -	\$ 466,130	\$ 466,130	0.00%
Supplies						
520100 - Office Supplies	\$ -	\$ -	\$ -	\$ 1,255	\$ 1,255	0.00%
520110 - Computer Supplies	-	-	-	17,305	17,305	0.00%
520300 - Clothing Supplies	-	-	-	6,095	6,095	0.00%
520600 - Fuel, Oil and Lube	-	-	-	16,335	16,335	0.00%
520700 - Machine Oil & Lube	-	-	-	2,730	2,730	0.00%
520800 - Small Tools & Equip	-	-	-	14,000	14,000	0.00%
521000 - Laboratory Supplies	-	-	-	620	620	0.00%
521110 - Safety Supplies	-	-	-	30,000	30,000	0.00%
521400 - Electrical Supplies	-	-	-	25,650	25,650	0.00%
521500 - Mechanical Supplies	-	-	-	28,000	28,000	0.00%
521600 - Pipeline Supplies	-	-	-	45,000	45,000	0.00%
521700 - Building Supplies	-	-	-	15,000	15,000	0.00%
521900 - Vehicle Supplies	-	-	-	2,070	2,070	0.00%
521910 - Tires and Tubes	-	-	-	2,055	2,055	0.00%
522000 - Equipment Supplies	-	-	-	12,640	12,640	0.00%
Supplies Total	\$ -	\$ -	\$ -	\$ 218,755	\$ 218,755	0.00%

Expense Detail (continued)

Transmission Systems 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
Services						
530300 - Automotive Insurance	\$ -	\$ -	\$ -	\$ 1,605	\$ 1,605	0.00%
531020 - Internet Service	-	-	-	\$ 38,230	\$ 38,230	0.00%
531100 - Electric Power	-	-	-	\$ 5,460,000	\$ 5,460,000	0.00%
531300 - Engin/Consultant Svc	-	-	-	\$ 965,000	\$ 965,000	0.00%
531700 - Advertising	-	-	-	\$ 150	\$ 150	0.00%
531900 - Travel and Training	-	-	-	\$ 3,300	\$ 3,300	0.00%
531910 - Education and Training	-	-	-	\$ 8,500	\$ 8,500	0.00%
532000 - Mem & Subscriptions	-	-	-	\$ 920	\$ 920	0.00%
532100 - Vehicle Maint	-	-	-	\$ 495	\$ 495	0.00%
532210 - Special Maintenance	-	-	-	\$ 28,000	\$ 28,000	0.00%
532220 - Pipeline Maintenance	-	-	-	\$ 259,500	\$ 259,500	0.00%
532700 - Radio Maintenance	-	-	-	\$ 25,000	\$ 25,000	0.00%
532800 - Grounds Maintenance	-	-	-	\$ 12,500	\$ 12,500	0.00%
532900 - Electrical Sys Maint	-	-	-	\$ 100,000	\$ 100,000	0.00%
533010 - Texoma O & M Cost	-	-	-	\$ 223,000	\$ 223,000	0.00%
533030 - Contractual Safety Serv	-	-	-	\$ 61,500	\$ 61,500	0.00%
533910 - Permit Assessment Fees	-	-	-	\$ 5,000	\$ 5,000	0.00%
Support Services	-	-	-	\$ 5,581,500	\$ 5,581,500	0.00%
Services Total	\$ -	\$ -	\$ -	\$ 12,774,200	\$ 12,774,200	0.00%
Capital Outlay						
540300 - Vehicle Equipment	\$ -	\$ -	\$ -	\$ 38,500	\$ 38,500	0.00%
Capital Outlay Total	\$ -	\$ -	\$ -	\$ 38,500	\$ 38,500	0.00%
Grand Total	\$ -	\$ -	\$ -	\$ 13,497,585	\$ 13,497,585	0.00%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$13,497,585 from the FY19 Original Budget. Major variances are explained below.

- New department within RWS for FY20.

Expense Detail

RWS CIF and Debt Service	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
Capital Imp Fund	\$ 77,325,000	\$ 48,600,000	\$ 50,910,000	\$ 35,170,000	\$ (13,430,000)	-27.63%
Debt Service						
Bonds:						
Current (P&I)	\$ 126,497,060	\$ 155,845,011	\$ 176,609,581	\$ 180,408,759	\$ 24,563,748	15.76%
New (P&I)	-	20,764,570	-	13,805,195	(6,959,375)	-33.52%
Total	\$ 126,497,060	\$ 176,609,581	\$ 176,609,581	\$ 194,213,954	\$ 17,604,373	9.97%
Other						
BAB's Subsidy	\$ (3,964,718)	\$ (4,163,791)	\$ (4,163,791)	\$ (2,144,521)	\$ 2,019,270	-48.50%
Reserve Fund Interest Tfr	(1,400,000)	(2,250,000)	(500,000)	(7,000,000)	(4,750,000)	
I&S Fund Interest	(900,000)	(900,000)	(900,000)	(900,000)	-	0.00%
Fund Balance Change	857,658	2,004,210	207,198	830,568	(1,173,642)	-58.56%
Tfrs from Construction	-	-	(4,252,987)	-	-	0.00%
Total	\$ (5,407,060)	\$ (5,309,581)	\$ (9,609,581)	\$ (9,213,954)	\$ (3,904,373)	73.53%
Transfer to I&S Fund	\$ 121,090,000	\$ 171,300,000	\$ 167,000,000	\$ 185,000,000	\$ 13,700,000	8.00%
Bond Service Fees	\$ 23,880	\$ 32,040	\$ 29,505	\$ 36,160	\$ 4,120	12.86%
Notes						
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	1,594,320	-	0.00%
Total	\$ 2,511,074	\$ 2,511,075	\$ 2,511,075	\$ 2,511,075	\$ -	0.00%
Total Debt Service	\$ 123,624,954	\$ 173,843,115	\$ 169,540,580	\$ 187,547,235	\$ 13,704,120	7.88%
Total CIF and DS	\$ 200,949,954	\$ 222,443,115	\$ 220,450,580	\$ 222,717,235	\$ 274,120	0.12%

REGIONAL WASTEWATER SYSTEM

FAST FACTS

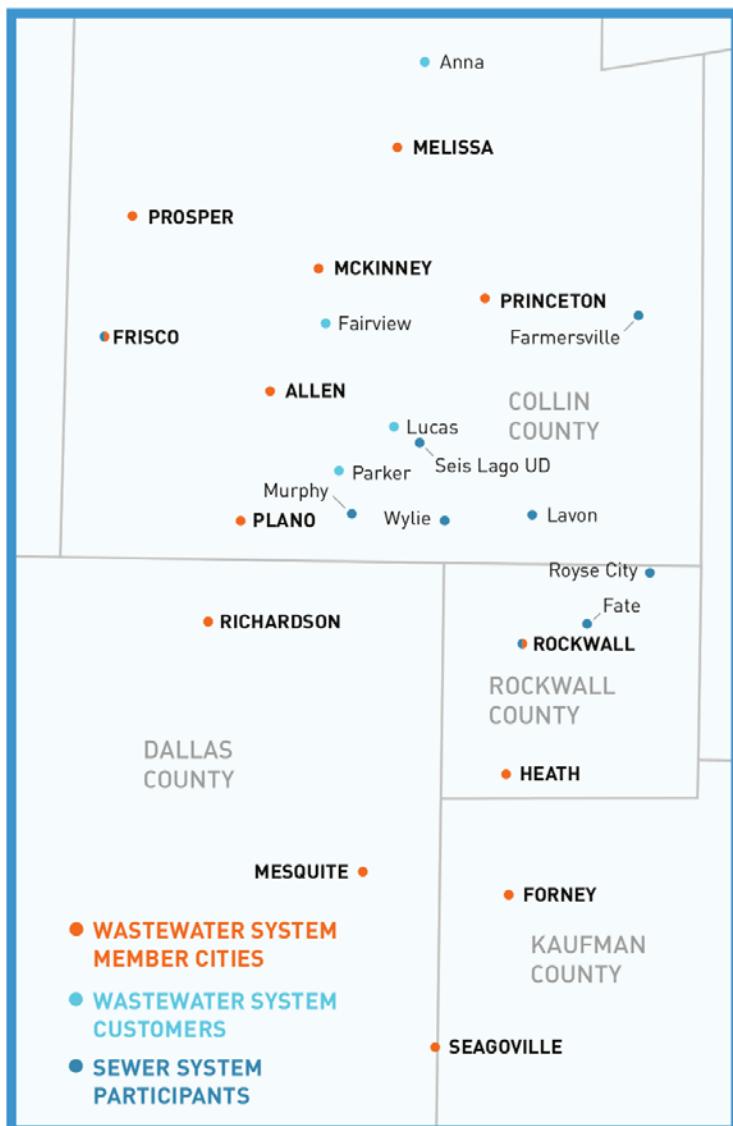
WASTEWATER SERVICES

234
WASTEWATER
EMPLOYEES

\$190
MILLION
In regional
wastewater,
conveyance & sewer
system construction
contracts in 2018



COMMUNITIES SERVED



222+
MILES
large-diameter
wastewater
pipelines

152 MGD
(MILLION GALLONS/DAY)
average annual
wastewater
treatment capacity

13
WASTEWATER
treatment plants

40
BILLION
Gallons of wastewater
treated each year

10
BILLION
Gallons treated
in wetland for reuse



18 BILLION
Gallons treated wastewater
returned to Lavon
Lake for reuse

On average, around

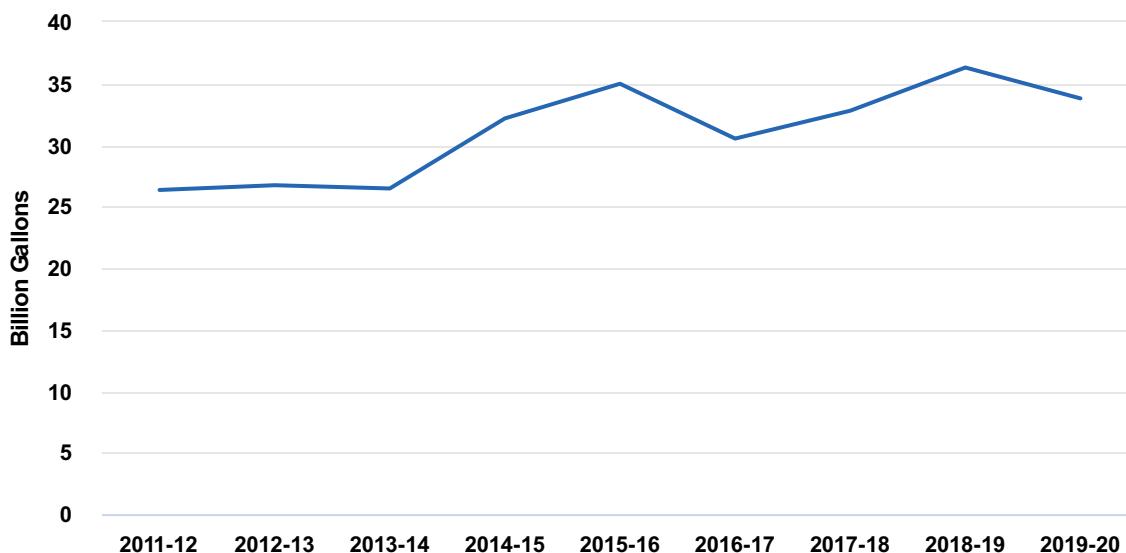


Regional Wastewater System

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 twelve Member Cities of Allen, Forney, Frisco, Heath, McKinney, Melissa, Mesquite, Plano, Princeton, Prosper, Richardson, Rockwall and Seagoville as well as other Customers in Collin County and North Texas. The City of Melissa joined the RWWS as the thirteenth Member City in April 2019. The District treats the majority of wastewater flows at four Regional Wastewater Treatment Plants (RWWT). Wastewater conveyance (interceptors) systems transport wastewater to these treatment plants through 252 miles of large-diameter wastewater pipelines. The plants process and treat up to 152 MGD of wastewater. In FY18, 32.8 billion gallons of wastewater were treated 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.



Revenues and Expenditures

Category	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues	\$ 63,029,868	\$ 70,658,310	\$ 70,658,310	\$ 76,742,265	\$ 6,083,955	8.61%

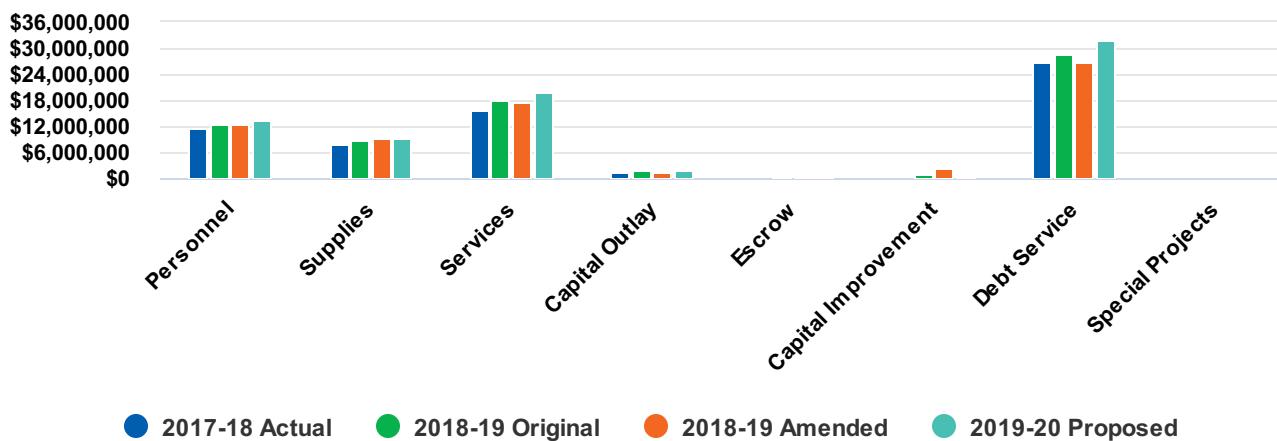
Expenditures

Personnel	\$ 11,641,123	\$ 12,312,805	\$ 12,508,295	\$ 13,253,725	\$ 940,920	7.64%
Supplies	7,736,988	8,643,365	9,298,510	9,185,810	542,445	6.28%
Services	15,575,306	17,930,265	17,427,825	20,061,550	2,131,285	11.89%
Capital Outlay	1,513,391	1,928,300	1,581,670	1,721,300	(207,000)	-10.73%
Escrow	-	632,750	632,750	550,000	(82,750)	-13.08%
Special Projects	-	-	-	-	-	0.00%
Debt Service	26,563,060	29,210,825	29,209,260	31,969,880	2,759,055	9.45%
Total	\$ 63,029,868	\$ 70,658,310	\$ 70,658,310	\$ 76,742,265	\$ 6,083,955	8.61%

The FY19 Amended Budget for expenditures and revenues totals \$70,658,310, which is flat to the FY19 Original Budget of \$70,658,310. For the FY20 Annual Budget, the total RWWS expenditures are \$76,742,265 which is \$6,083,955 or 8.61% greater than the FY19 Original Budget. Major budget variances are explained below:

- Increase in Debt Service of \$2,759,055 related to the following:
 - Sister Grove Regional Water Resource Recovery Facility - design, construction and inspection
 - Improvements at Rowlett Creek, Wilson Creek & South Mesquite RWWTP
- Increase in Services of \$2,131,285 due to allocation of Support Fund expenses and increased Landfill Service Fees due to increased sludge production at Wilson Creek RWWTP.
- Increase in Personnel of \$940,920 due to the hiring of 6 (net) additional headcount as well as market / merit based adjustments for staff.
- Increase in Supplies of \$542,445 driven by increased Chemicals, Mechanical Supplies for replacement valves and a primary clarifier rake at Wilson Creek RWWTP, additional Equipment, Safety and Vehicle Supplies.
- Decrease in Capital Outlay of (\$207,000) related to reduced Capital purchases compared with prior year.
- Decrease in Escrow of (\$82,750) related to reduced amounts being sent to the Reserve for Maintenance and Preventative Maintenance Escrows.

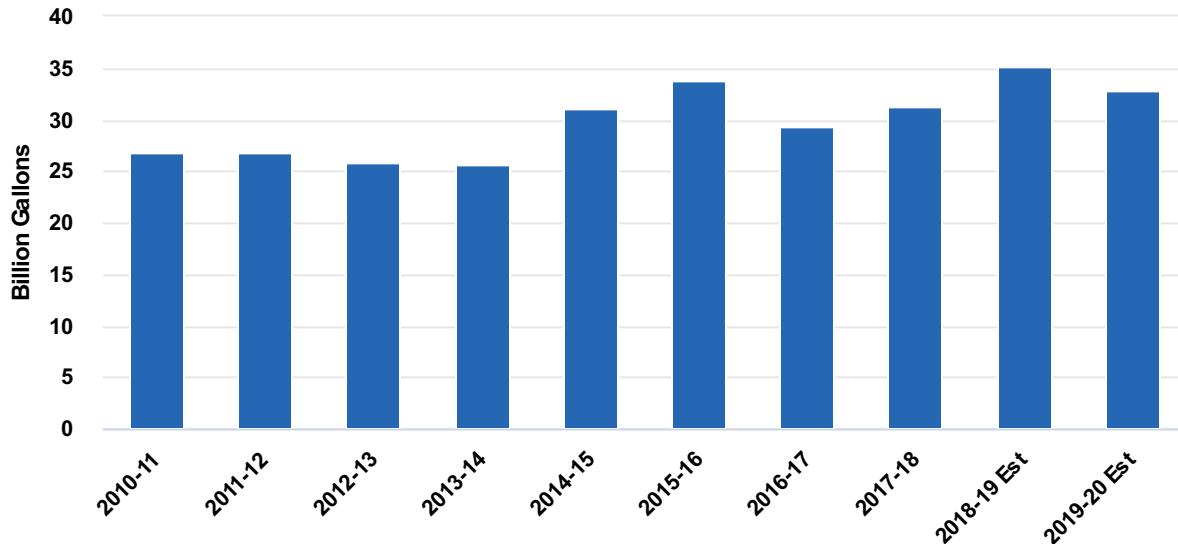
RWWS EXPENDITURES



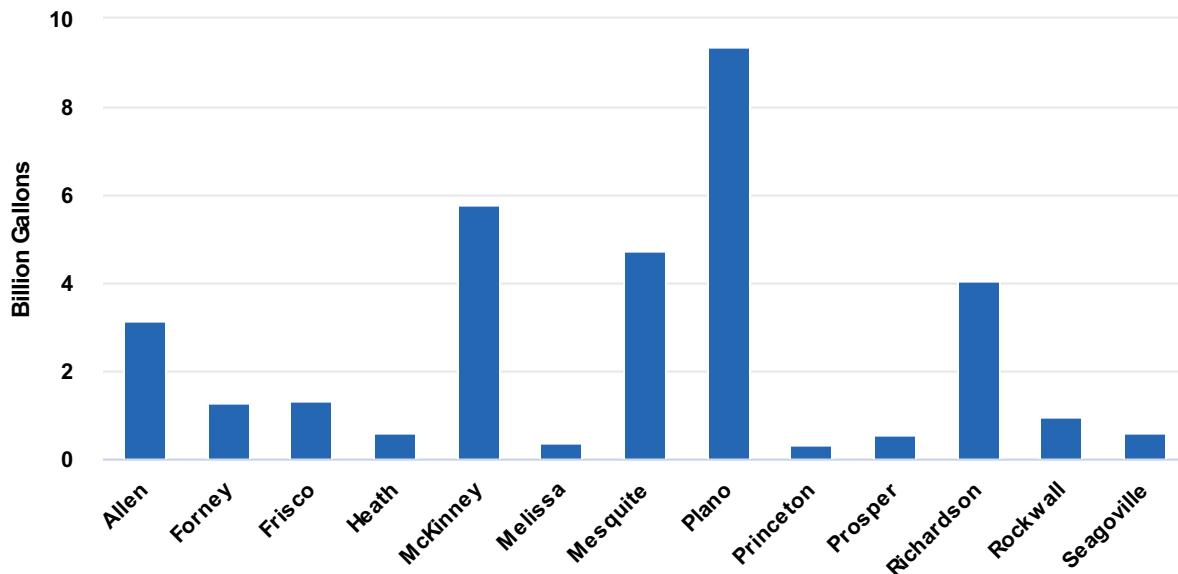
Regional Wastewater System Flows

Finance compiles the actual flows for each of the four regional wastewater treatment plants based on data provided in monthly reports by RWWS management. Member City annual flows for the amended FY19 budget were 35.1 billion gallons. Annual Member City flows for FY20 are estimated to be 32.9 billion gallons.

REGIONAL WASTEWATER MEMBER CITY FLOWS



2019 - 2020 ESTIMATED FLOWS BY MEMBER CITIES



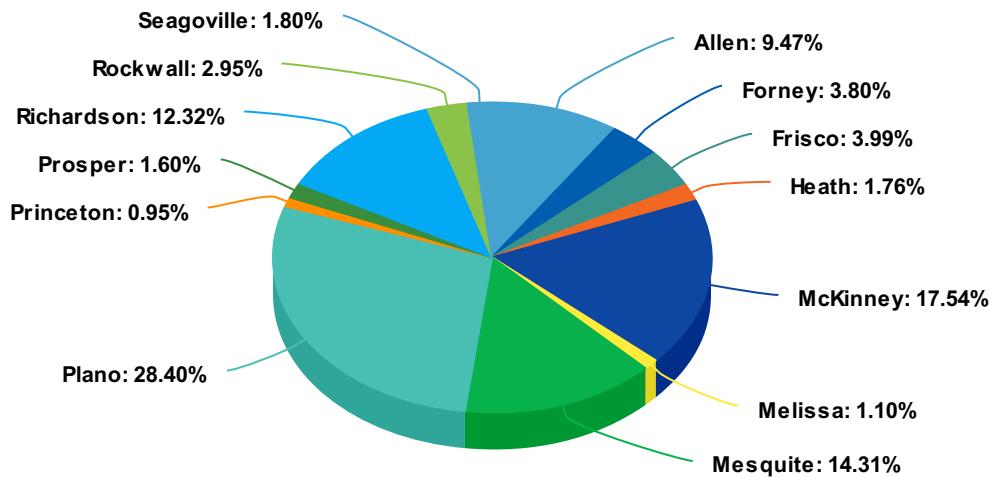
Member City flows are the greater of actuals or required minimums.

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 FY20 Budget is presented below:

2019-20 MEMBER CITY COST ALLOCATION



The total charges to be allocated to the Member Cities for FY20 are \$73,686,695 after deducting interest and other revenue in the estimated amount of \$3,055,570 from the proposed budget of \$76,742,265.

City	2017-18	2018-19	2018-19	2019-20
	Actual	Original Budget	Amended Budget	Proposed Budget
Allen	\$ 5,284,817	\$ 5,811,354	\$ 6,404,948	\$ 6,976,934
Forney	1,802,971	2,030,804	2,572,785	2,802,545
Frisco	2,772,080	3,089,958	2,700,394	2,941,548
Heath	840,159	906,502	1,192,496	1,298,989
McKinney	10,898,433	12,022,279	11,867,304	12,927,098
Melissa	-	-	365,810	809,897
Mesquite	9,026,957	10,422,220	9,677,090	10,541,292
Plano	18,391,894	21,099,982	19,212,776	20,928,550
Princeton	554,404	676,358	645,561	703,214
Prosper	970,744	1,081,017	1,081,444	1,178,022
Richardson	6,877,921	7,598,138	8,335,120	9,079,480
Rockwall	1,616,774	1,981,545	1,996,957	2,175,293
Seagoville	1,139,482	1,266,533	1,130,230	1,323,833
Total	\$ 60,176,635	\$ 67,986,690	\$ 67,182,915	\$ 73,686,695

RWWS Fund Balances
Capital Improvement Fund
9/30/19

Projected Balance:

09/30/19	Expected Fund Balance	\$	994,918
	Balance Transfers from Operating Fund		300,000
	Expected Projects		-
	Interest Income		20,893
09/30/20	Balance Available for Future Projects	\$	<u>1,315,811</u>

Reserve for Maintenance Fund
9/30/19

Projected Balance:

09/30/19	Expected Fund Balance	\$	1,990,339
	Balance Transfers from Operating Fund		300,000
	Expected Projects		-
	Interest Income		41,797
09/30/20	Balance Available for Future Projects	\$	<u>2,332,136</u>

Preventative Maintenance Escrow
9/30/19

Projected Balance:

09/30/19	Expected Fund Balance	\$	185,026
	Balance Transfers from Operating Fund		250,000
	Expected Projects		-
	Interest Income		3,886
09/30/20	Balance Available for Future Projects	\$	<u>438,912</u>

Regional Wastewater Treatment Plants (RWWTP)

5080 – Wilson Creek RWWTP

The Wilson Creek RWWTP is a 56 MGD plant that utilizes conventional activated sludge and Biological Nutrient Removal (BNR) treatment with advance tertiary treatment. It is currently undergoing improvements to expand daily flow capacity to 64 MGD. The plant is located at 3020 Orr Road in Allen and discharges treated wastewater into Lavon Lake. Wilson Creek WWTP serves the Cities of Allen, Frisco, McKinney, Plano, Princeton, Prosper, Anna, Lucas, Melissa 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 unprecedeted growth in our service area, the District has begun preparations for a new regional water resource recovery facility in New Hope, Texas. A site has been selected and the process has now moved to the permitting process with the TCEQ. Construction for the Sister Grove Regional Water Resource Recovery Facility is planned to begin in 2020. In order for the District to continue to serve the growing population, the facility will begin operations in 2023.

Wilson Creek RWWTP

Overview

The Wilson Creek Regional Wastewater Treatment Plant (RWWTP) is a 56 MGD plant being expanded to 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 advance tertiary. The plant utilizes chlorine as well as UV for disinfection. Wilson Creek RWWTP provides wastewater treatment for the following cities: Allen, Frisco, McKinney, Plano, Princeton, Prosper, Anna, Lucas, Melissa and Parker.

FY2020 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 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 operation efficiency.

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

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

People: Build a talented, competent and committed team

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

Major Budget Drivers

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

Position Summary

Wilson Creek RWWTP	FY19	FY20	Difference
Full-Time Positions			
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	6.0	5.0	(1.0)
Maintenance Planner Scheduler	1.0	1.0	-
Maintenance Supervisor	-	1.0	1.0
Mechanic's Assistant	2.0	3.0	1.0
Odor Control Worker	2.0	-	(2.0)
Professional Engineer	1.0	1.0	-
Training and Development Manager	1.0	1.0	-
Transport Driver	13.0	13.0	-
Wastewater Mechanic	1.0	3.0	2.0
Wastewater Plant Operator II	18.0	18.0	-
Wastewater Plant Operator III	8.0	10.0	2.0
Wastewater Plant Supervisor III	1.0	1.0	-
Wastewater Project Coordinator	1.0	1.0	-
Total Full-Time Positions	62.0	66.0	4.0

Expense Detail

Wilson 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
Personnel						
511000 - Supervision	\$ 337,740	\$ 354,085	\$ 354,930	\$ 530,080	\$ 175,995	49.70%
511020 - Clerical	88,624	98,850	81,890	103,475	4,625	4.68%
511030 - Skilled	2,611,310	3,051,620	2,947,345	3,238,150	186,530	6.11%
511060 - Overtime	533,166	400,000	797,610	400,000	-	0.00%
512000 - Social Security	261,682	259,770	280,355	291,735	31,965	12.31%
513000 - Workers' Comp Ins	93,898	95,245	98,360	95,920	675	0.71%
513010 - Unemployment Ins	1,498	-	-	-	-	0.00%
513020 - Hospitalization Ins	716,896	792,825	797,130	842,890	50,065	6.31%
513040 - Dental Ins	38,263	43,250	44,145	45,160	1,910	4.42%
513060 - Life Ins	7,186	7,955	7,950	8,810	855	10.75%
514000 - Retirement	458,476	423,320	423,320	524,305	100,985	23.86%
514010 - Retiree - Insurance	90,630	86,355	86,355	91,475	5,120	5.93%
514020 - Comp Absences-vacation	31,285	16,430	16,430	17,985	1,555	9.46%
514030 - Comp Absences-sick	-	22,105	22,105	14,400	(7,705)	-34.86%
515000 - Cell Phone Stipend	24,320	27,840	27,840	30,240	2,400	8.62%
Personnel Total	\$ 5,294,973	\$ 5,679,650	\$ 5,985,765	\$ 6,234,625	\$ 554,975	9.77%

Expense Detail (continued)

Wilson 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
Supplies						
520100 - Office Supplies	\$ 18,523	\$ 2,715	\$ 7,870	\$ 6,590	\$ 3,875	142.73%
520110 - Computer Supplies	92,972	18,735	44,260	22,115	3,380	18.04%
520200 - Xerox Supplies	6,629	5,820	7,095	7,800	1,980	34.02%
520300 - Clothing Supplies	30,854	29,040	41,675	28,045	(995)	-3.43%
520600 - Fuel, Oil and Lube	281,510	376,110	246,640	337,145	(38,965)	-10.36%
520610 - Generator Fuel	-	6,750	255	6,600	(150)	-2.22%
520630 - Toll Fees	7,182	3,500	6,790	4,500	1,000	28.57%
520700 - Machine Oil & Lube	14,049	14,140	23,505	14,140	-	0.00%
520800 - Small Tools & Equip	60,667	25,040	45,625	28,760	3,720	14.86%
520810 - Fire Extinguishers	558	1,000	1,660	1,000	-	0.00%
520900 - Janitorial Supplies	8,902	3,500	8,935	5,000	1,500	42.86%
521000 - Laboratory Supplies	17,222	14,180	17,575	31,550	17,370	122.50%
521100 - Medical Supplies	3,070	3,240	3,240	5,240	2,000	61.73%
521110 - Safety Supplies	26,731	35,460	68,040	69,135	33,675	94.97%
521200 - Chem - Other	130,917	172,620	172,620	172,990	370	0.21%
521203 - Chem - Chlorine	131,900	102,200	181,750	121,000	18,800	18.40%
521209 - Chem - Polymers	1,281,406	1,440,600	1,797,600	1,512,595	71,995	5.00%
521210 - Chem - Hypochlorite	74,089	129,950	49,950	113,000	(16,950)	-13.04%
521211 - Chem - Sulfur Dioxide	67,659	64,710	118,045	68,850	4,140	6.40%
521212 - Chem - Liq Ferr Sulfate	470,669	640,000	438,840	755,000	115,000	17.97%
521214 - Chem - Caustic	25,329	37,500	33,000	55,200	17,700	47.20%
521215 - Chem - Bioxide	165,215	212,995	121,820	208,835	(4,160)	-1.95%
521300 - Botanical Supplies	570	10,000	2,000	15,500	5,500	55.00%
521400 - Electrical Supplies	516,445	448,890	742,480	504,540	55,650	12.40%
521500 - Mechanical Supplies	473,613	301,100	803,840	507,715	206,615	68.62%
521700 - Building Supplies	16,309	11,000	11,000	13,000	2,000	18.18%
521900 - Vehicle Supplies	71,922	95,075	107,815	146,745	51,670	54.35%
521910 - Tires and Tubes	110,137	102,100	99,600	131,920	29,820	29.21%
522000 - Equipment Supplies	23,151	40,500	169,570	62,415	21,915	54.11%
522100 - Welding Supplies	816	2,500	1,000	2,500	-	0.00%
522200 - Road Maint Supplies	1,293	-	8,680	-	-	0.00%
523000 - Other Supplies	144,012	168,925	192,425	200,240	31,315	18.54%
Supplies Total	\$ 4,274,321	\$ 4,519,895	\$ 5,575,200	\$ 5,159,665	\$ 639,770	14.15%
Services						
530300 - Automotive Insurance	\$ 63,407	\$ 69,540	\$ 58,200	\$ 61,375	\$ (8,165)	-11.74%
530400 - Fire & Exten Cov Ins	30,742	35,800	38,170	45,245	9,445	26.38%
530900 - General Liability Ins	12,220	19,445	18,335	20,350	905	4.65%
531000 - Telephone	5,566	5,400	6,400	5,400	-	0.00%
531020 - Internet Service	83,198	86,940	86,940	85,170	(1,770)	-2.04%
531100 - Electric Power	1,268,692	1,618,500	1,286,610	1,340,600	(277,900)	-17.17%
531120 - Retail Water Service	5,471	6,720	6,720	6,720	-	0.00%
531200 - Bank Service Fees	586	555	555	875	320	57.66%

Expense Detail (continued)

Wilson 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
Services (continued)						
531300 - Engin/Consultant Svc	\$ 32,108	\$ -	\$ -	\$ -	\$ -	0.00%
531310 - Special Studies & Rpts	253,589	261,120	644,515	165,550	(95,570)	-36.60%
531400 - Legal Service	186,844	75,000	70,000	139,600	64,600	86.13%
531700 - Advertising	7,335	1,500	500	1,500	-	0.00%
531800 - Rent or Lease Payment	99,694	43,850	119,275	43,850	-	0.00%
531900 - Travel and Training	28,361	58,100	44,100	54,800	(3,300)	-5.68%
531910 - Education and Training	4,964	4,350	2,650	4,350	-	0.00%
532000 - Mem & Subscriptions	7,720	16,490	8,940	19,950	3,460	20.98%
532100 - Vehicle Maint	19,212	40,000	37,000	40,000	-	0.00%
532110 - Veh Maint by Solid Waste	55,643	50,000	67,665	50,000	-	0.00%
532200 - Equipment Maintenance	118,659	274,580	297,270	321,835	47,255	17.21%
532810 - Grounds Maint - Contract	21,314	34,020	22,020	30,925	(3,095)	-9.10%
532850 - Building Maintenance	-	-	-	1,100	1,100	0.00%
532900 - Electrical Sys Maint	-	263,565	243,565	335,920	72,355	27.45%
533000 - Other Services	1,235,578	498,595	637,115	426,830	(71,765)	-14.39%
533030 - Contractual Safety Serv	1,125	2,375	2,375	13,375	11,000	463.16%
533100 - Administration	245,065	216,060	216,060	41,710	(174,350)	-80.70%
533380 - Odor Control Crew	-	-	-	45,000	45,000	0.00%
533500 - Lab Svc - Contract	6,827	14,880	9,880	14,880	-	0.00%
533630 - Landfill Service Fees	1,894,142	1,963,120	1,963,120	2,367,000	403,880	20.57%
533900 - Permits, Ins, & Lic Fees	13,821	12,225	12,245	12,225	-	0.00%
533910 - Permit Assessment Fees	118,057	120,950	121,000	124,630	3,680	3.04%
534000 - Uninsured losses	1,092	-	-	-	-	0.00%
Support Services	1,967,248	2,390,010	2,466,975	3,265,310	875,300	36.62%
Services Total	\$ 7,788,280	\$ 8,183,690	\$ 8,488,200	\$ 9,086,075	\$ 902,385	11.03%
Capital Outlay						
540300 - Vehicle Equipment	\$ 301,261	\$ 193,600	\$ 207,500	\$ 242,000	\$ 48,400	25.00%
540500 - Machinery	242,620	266,000	346,025	439,800	173,800	65.34%
540700 - Non-Vehicle Equipment	36,253	405,500	-	390,500	(15,000)	-3.70%
541000 - Laboratory Equipment	10,855	-	-	-	-	0.00%
Capital Outlay Total	\$ 590,989	\$ 865,100	\$ 553,525	\$ 1,072,300	\$ 207,200	23.95%
Grand Total	\$17,948,562	\$19,248,335	\$20,602,690	\$21,552,665	\$ 2,304,330	11.97%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$2,304,330 from the FY19 Original Budget. Major variances are explained below.

- Personnel increased for the addition of 4 (net) new positions and market / merit based adjustments.
- Chemicals increased due to higher chemical prices and the addition of a second high rate clarifier.
- Mechanical Supplies increased to replace valves and the addition of a stainless steel primary clarifier rake.
- Electric Power decreased based on trends.
- Special Studies & Reports and Other Services decreased based on lower expected need.
- Landfill Service Fees increased based on additional sludge production.
- Support Services allocation increased due to a new allocation methodology.

Floyd Branch RWWTP

Overview

The Floyd Branch Regional Wastewater Treatment Plant (RWWTP) is a 4.75 MGD activated sludge plant located at 111 W. Buckingham in Richardson, Texas. The plant utilizes UV for disinfection.

FY2020 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 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 operation efficiency.

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

- Continue to collaborate with 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 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	FY19	FY20	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	-
Total Full-Time Positions	7.0	7.0	-

Expense Detail

Floyd Branch 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
Personnel						
511000 - Supervision	\$ 19,059	\$ -	\$ -	\$ -	-	0.00%
511030 - Skilled	431,267	470,005	463,250	489,220	19,215	4.09%
511060 - Overtime	9,971	10,000	10,000	10,000	-	0.00%
512000 - Social Security	35,798	35,705	38,470	37,420	1,715	4.80%
513000 - Workers' Comp Ins	12,844	12,755	14,005	14,490	1,735	13.60%
513020 - Hospitalization Ins	69,616	67,850	73,215	74,575	6,725	9.91%
513040 - Dental Ins	4,892	5,250	5,290	5,370	120	2.29%
513060 - Life Ins	1,060	1,050	1,060	1,090	40	3.81%
514000 - Retirement	69,077	64,620	64,620	66,250	1,630	2.52%
514010 - Retiree - Insurance	13,655	13,185	13,185	11,560	(1,625)	-12.32%
514020 - Comp Absences-vacation	-	-	-	4,855	4,855	0.00%
514030 - Comp Absences-sick	37,330	11,510	11,510	29,475	17,965	156.08%
515000 - Cell Phone Stipend	2,520	2,400	2,400	2,400	-	0.00%
Personnel Total	\$ 707,088	\$ 694,330	\$ 697,005	\$ 746,705	\$ 52,375	7.54%
Supplies						
520100 - Office Supplies	\$ 634	\$ 1,000	\$ 500	\$ 1,000	\$ -	0.00%
520110 - Computer Supplies	3,185	4,535	4,535	2,285	(2,250)	-49.61%
520200 - Xerox Supplies	-	1,200	-	1,200	-	0.00%
520300 - Clothing Supplies	2,519	2,405	4,905	3,395	990	41.16%
520600 - Fuel, Oil and Lube	2,715	4,860	2,860	4,800	(60)	-1.23%
520610 - Generator Fuel	255	4,235	1,035	3,170	(1,065)	-25.15%
520630 - Toll Fees	60	100	100	100	-	0.00%
520700 - Machine Oil & Lube	699	1,270	570	1,270	-	0.00%
520800 - Small Tools & Equip	2,035	2,650	1,250	2,650	-	0.00%
520810 - Fire Extinguishers	324	100	300	100	-	0.00%
520900 - Janitorial Supplies	971	900	900	900	-	0.00%
521000 - Laboratory Supplies	1,165	1,440	1,440	1,440	-	0.00%
521100 - Medical Supplies	40	100	100	100	-	0.00%
521110 - Safety Supplies	1,149	16,380	12,680	7,590	(8,790)	-53.66%
521200 - Chem - Other	13	4,675	-	4,675	-	0.00%
521203 - Chem - Chlorine	371	1,300	1,300	1,615	315	24.23%
521209 - Chem - Polymers	27,631	30,000	42,000	37,200	7,200	24.00%
521210 - Chem - Hypochlorite	9,868	15,300	14,300	14,640	(660)	-4.31%
521214 - Chem - Caustic	3,499	1,250	2,250	1,250	-	0.00%
521300 - Botanical Supplies	1,137	1,650	450	1,650	-	0.00%
521400 - Electrical Supplies	44,312	71,500	30,500	35,000	(36,500)	-51.05%
521500 - Mechanical Supplies	22,942	105,900	60,900	52,100	(53,800)	-50.80%
521700 - Building Supplies	6,234	22,000	3,000	3,800	(18,200)	-82.73%
521900 - Vehicle Supplies	548	1,000	1,000	5,000	4,000	400.00%
521910 - Tires and Tubes	-	300	1,300	680	380	126.67%
522000 - Equipment Supplies	11,215	19,880	9,880	19,880	-	0.00%
522100 - Welding Supplies	-	100	100	100	-	0.00%
523000 - Other Supplies	2,428	5,005	5,005	3,900	(1,105)	-22.08%
Supplies Total	\$ 145,949	\$ 321,035	\$ 203,160	\$ 211,490	\$ (109,545)	-34.12%

Expense Detail (continued)

Floyd Branch 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
Services						
530300 - Automotive Insurance	\$ 1,815	\$ 1,970	\$ 1,750	\$ 1,885	\$ (85)	-4.31%
530400 - Fire & Exten Cov Ins	3,894	4,535	4,325	5,125	590	13.01%
530900 - General Liability Ins	633	1,170	1,765	1,700	530	45.30%
531000 - Telephone	2,903	3,000	3,400	3,000	-	0.00%
531020 - Internet Service	25,518	28,920	28,920	28,890	(30)	-0.10%
531100 - Electric Power	164,616	148,300	148,300	172,600	24,300	16.39%
531120 - Retail Water Service	532	720	720	720	-	0.00%
531310 - Special Studies & Rpts	13,887	7,510	10,010	5,000	(2,510)	-33.42%
531400 - Legal Service	2,434	20,000	8,000	14,200	(5,800)	-29.00%
531700 - Advertising	-	15,000	1,000	18,400	3,400	22.67%
531800 - Rent or Lease Payment	4,483	7,320	2,320	7,320	-	0.00%
531900 - Travel and Training	975	1,575	350	2,575	1,000	63.49%
531910 - Education and Training	719	525	-	525	-	0.00%
532000 - Mem & Subscriptions	2,595	5,730	3,230	2,490	(3,240)	-56.54%
532100 - Vehicle Maint	25	200	30	200	-	0.00%
532110 - Veh Maint by Solid Waste	244	500	300	500	-	0.00%
532200 - Equipment Maintenance	18,126	48,740	19,370	32,740	(16,000)	-32.83%
532810 - Grounds Maint - Contract	2,160	2,700	3,700	2,700	-	0.00%
532850 - Building Maintenance	-	-	-	400	400	0.00%
532900 - Electrical Sys Maint	-	39,520	24,520	7,520	(32,000)	-80.97%
533000 - Other Services	58,436	59,520	9,520	50,270	(9,250)	-15.54%
533020 - Contract Labor	420	-	-	-	-	0.00%
533030 - Contractual Safety Serv	-	675	675	6,175	5,500	814.81%
533100 - Administration	25,235	21,335	21,335	4,050	(17,285)	-81.02%
533380 - Odor Control Crew	-	-	-	5,000	5,000	0.00%
533500 - Lab Svc - Contract	6,475	6,500	6,700	6,500	-	0.00%
533630 - Landfill Service Fees	64,500	58,000	63,000	58,000	-	0.00%
533900 - Permits, Ins, & Lic Fees	200	2,415	2,215	2,415	-	0.00%
533910 - Permit Assessment Fees	29,369	30,110	29,370	30,250	140	0.46%
Support Services	313,059	326,825	328,915	435,340	108,515	33.20%
Services Total	\$ 743,252	\$ 843,315	\$ 723,740	\$ 906,490	\$ 63,175	7.49%
Capital Outlay						
540500 - Machinery	\$ -	\$ -	\$ 40,485	\$ 50,000	\$ 50,000	0.00%
542000 - Other Capital Outlay	-	-	10,405	-	-	0.00%
Capital Outlay Total	\$ -	\$ -	\$ 50,890	\$ 50,000	\$ 50,000	0.00%
Grand Total	\$ 1,596,289	\$ 1,858,680	\$ 1,674,795	\$ 1,914,685	\$ 56,005	3.01%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$56,005 from the FY19 Original Budget. Major variances are explained below.

- Support Services allocation increased due to a new allocation methodology.

Rowlett Creek RWWTP

Overview

The Rowlett Creek Regional Wastewater Treatment Plant (RWWTP) 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.

FY2020 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 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 operation efficiency.

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

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

People: Build a talented, competent and committed team

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

Major Budget Drivers

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

Position Summary

Rowlett Creek RWWTP

Full-Time Positions	FY19	FY20	Difference
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	4.0	6.0	2.0
Wastewater Plant Operator III	6.0	6.0	-
Wastewater Plant Supervisor II	1.0	1.0	-
Wastewater Technician I	0.5	0.5	-
Total Full-Time Positions	26.5	28.5	2.0

Expense Detail

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
Personnel						
511000 - Supervision	\$ 87,755	\$ 91,570	\$ 91,885	\$ 96,380	\$ 4,810	5.25%
511020 - Clerical	82,428	100,380	91,470	98,255	(2,125)	-2.12%
511030 - Skilled	1,179,129	1,292,275	1,303,140	1,464,865	172,590	13.36%
511060 - Overtime	86,187	110,000	85,000	110,000	-	0.00%
512000 - Social Security	103,302	112,880	114,130	126,940	14,060	12.46%
513000 - Workers' Comp Ins	38,279	41,805	39,070	42,290	485	1.16%
513020 - Hospitalization Ins	336,065	375,165	400,820	425,855	50,690	13.51%
513040 - Dental Ins	18,326	20,815	22,730	24,135	3,320	15.95%
513060 - Life Ins	3,181	3,405	3,515	3,790	385	11.31%
514000 - Retirement	199,078	186,945	186,945	224,730	37,785	20.21%
514010 - Retiree - Insurance	39,355	38,135	38,135	39,210	1,075	2.82%
514020 - Comp Absences-vacation	9,105	-	-	20,610	20,610	0.00%
514030 - Comp Absences-sick	-	-	-	24,390	24,390	0.00%
515000 - Cell Phone Stipend	9,880	11,040	11,040	12,480	1,440	13.04%
Personnel Total	\$ 2,192,069	\$ 2,384,415	\$ 2,387,880	\$ 2,713,930	\$ 329,515	13.82%

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
Supplies						
520100 - Office Supplies	\$ 1,263	\$ 1,500	\$ 2,600	\$ 1,500	\$ -	0.00%
520110 - Computer Supplies	2,957	10,980	8,980	10,970	(10)	-0.09%
520200 - Xerox Supplies	15,352	15,000	13,500	15,000	-	0.00%
520300 - Clothing Supplies	14,021	15,890	17,690	18,375	2,485	15.64%
520600 - Fuel, Oil and Lube	85,406	93,755	93,755	106,720	12,965	13.83%
520630 - Toll Fees	182	150	150	250	100	66.67%
520700 - Machine Oil & Lube	6,472	8,645	8,645	8,335	(310)	-3.59%
520800 - Small Tools & Equip	61,658	15,750	10,750	31,750	16,000	101.59%
520810 - Fire Extinguishers	75	375	375	375	-	0.00%
520900 - Janitorial Supplies	2,158	2,210	1,610	2,710	500	22.62%
521000 - Laboratory Supplies	11,179	11,145	8,645	11,130	(15)	-0.13%
521100 - Medical Supplies	228	600	-	1,000	400	66.67%
521110 - Safety Supplies	9,024	10,430	9,430	11,520	1,090	10.45%
521200 - Chem - Other	89,618	153,070	125,070	175,230	22,160	14.48%
521201 - Chem - Lime	4,669	19,110	-	25,380	6,270	32.81%
521203 - Chem - Chlorine	153,755	169,860	196,860	187,020	17,160	10.10%
521209 - Chem - Polymers	344,429	442,200	230,200	380,350	(61,850)	-13.99%
521210 - Chem - Hypochlorite	5,568	7,650	8,650	17,500	9,850	128.76%
521211 - Chem - Sulfur Dioxide	80,457	91,350	111,350	114,750	23,400	25.62%
521212 - Chem - Liq Ferr Sulfate	225,720	277,500	277,500	321,950	44,450	16.02%
521214 - Chem - Caustic	6,932	16,875	16,875	24,840	7,965	47.20%
521300 - Botanical Supplies	283	1,000	1,000	1,000	-	0.00%
521400 - Electrical Supplies	79,298	104,500	74,500	98,000	(6,500)	-6.22%
521500 - Mechanical Supplies	174,403	166,250	216,250	213,150	46,900	28.21%
521700 - Building Supplies	14,183	15,000	15,000	10,000	(5,000)	-33.33%
521900 - Vehicle Supplies	42,279	24,000	44,000	29,500	5,500	22.92%
521910 - Tires and Tubes	19,145	23,040	13,040	25,220	2,180	9.46%
522000 - Equipment Supplies	14,319	21,760	17,760	16,250	(5,510)	-25.32%
522100 - Welding Supplies	1,773	3,000	2,400	2,400	(600)	-20.00%
522200 - Road Maint Supplies	2,269	2,500	1,600	2,500	-	0.00%
523000 - Other Supplies	75,674	76,575	76,575	84,800	8,225	10.74%
Supplies Total	\$ 1,544,748	\$ 1,801,670	\$ 1,604,760	\$ 1,949,475	\$ 147,805	8.20%
Services						
530300 - Automotive Insurance	\$ 15,695	\$ 16,725	\$ 16,095	\$ 17,235	\$ 510	3.05%
530400 - Fire & Exten Cov Ins	9,791	11,400	11,225	13,305	1,905	16.71%
530900 - General Liability Ins	3,687	7,315	6,675	7,060	(255)	-3.49%
531000 - Telephone	1,587	1,800	1,800	1,800	-	0.00%
531020 - Internet Service	19,495	28,440	28,440	28,410	(30)	-0.11%
531100 - Electric Power	732,886	613,000	693,520	774,800	161,800	26.39%
531110 - Nat Gas, Butane & Kero	333	720	-	720	-	0.00%
531120 - Retail Water Service	21,018	19,200	19,200	19,200	-	0.00%

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
Services (continued)						
531310 - Special Studies & Rpts	\$ 41,443	\$ 60,305	\$ 50,305	\$ 23,450	\$ (36,855)	-61.11%
531400 - Legal Service	12,170	15,000	20,000	19,450	4,450	29.67%
531700 - Advertising	-	1,500	300	1,500	-	0.00%
531800 - Rent or Lease Payment	893	7,500	1,000	7,500	-	0.00%
531900 - Travel and Training	9,306	10,700	9,200	9,750	(950)	-8.88%
531910 - Education and Training	2,350	1,800	115	1,800	-	0.00%
532000 - Mem & Subscriptions	9,229	15,920	10,920	7,710	(8,210)	-51.57%
532100 - Vehicle Maint	2,468	21,320	16,320	27,155	5,835	27.37%
532110 - Veh Maint by Solid Waste	18,307	7,500	19,500	15,000	7,500	100.00%
532200 - Equipment Maintenance	61,221	130,060	130,060	99,000	(31,060)	-23.88%
532700 - Radio Maintenance	-	500	500	500	-	0.00%
532810 - Grounds Maint - Contract	9,405	16,940	6,940	15,930	(1,010)	-5.96%
532850 - Building Maintenance	-	-	-	750	750	0.00%
532900 - Electrical Sys Maint	-	148,420	120,420	149,320	900	0.61%
533000 - Other Services	171,869	377,025	377,025	311,725	(65,300)	-17.32%
533020 - Contract Labor	1,325	-	-	-	-	0.00%
533030 - Contractual Safety Serv	1,455	3,035	3,035	8,535	5,500	181.22%
533100 - Administration	92,780	85,660	85,660	17,595	(68,065)	-79.46%
533380 - Odor Control Crew	-	-	-	30,000	30,000	0.00%
533500 - Lab Svc - Contract	9,453	11,170	11,170	11,170	-	0.00%
533630 - Landfill Service Fees	750,185	866,055	766,055	887,625	21,570	2.49%
533900 - Permits, Ins, & Lic Fees	200	400	400	400	-	0.00%
533910 - Permit Assessment Fees	74,524	396,390	75,390	76,760	(319,630)	-80.64%
534000 - Uninsured losses	1,000	-	15	-	-	0.00%
Support Services	934,169	1,087,245	1,062,245	1,836,820	749,575	68.94%
Services Total	\$ 3,008,245	\$ 3,963,045	\$ 3,543,530	\$ 4,421,975	\$ 458,930	11.58%
Capital Outlay						
540300 - Vehicle Equipment	\$ -	\$ 12,000	\$ 22,000	\$ -	\$ (12,000)	-100.00%
540500 - Machinery	163,798	182,000	162,000	135,000	(47,000)	-25.82%
540700 - Non-Vehicle Equipment	103,832	95,500	84,885	-	(95,500)	-100.00%
Capital Outlay Total	\$ 267,630	\$ 289,500	\$ 268,885	\$ 135,000	\$ (154,500)	-53.37%
Grand Total	\$ 7,012,692	\$ 8,438,630	\$ 7,805,055	\$ 9,220,380	\$ 781,750	9.26%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$781,750 from the FY19 Original Budget. Major variances are explained below.

- Personnel increased due to the addition of two Operator II positions and market / merit based adjustments.
- Chemicals increased based on new chemical prices.
- Mechanical Supplies increased to replace the non-potable water system.
- Electric Power increased based on trends.
- Permit Assessment Fees have decreased.
- Capital Outlay decreased due to fewer purchases of Vehicle and Non-Vehicle Equipment and Machinery.

South Mesquite RWTP

Overview

The South Mesquite Regional Wastewater Treatment Plant (RWTP) 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.

FY2020 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 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 operation efficiency.

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

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

People: Build a talented, competent and committed team

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

Major Budget Drivers

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

Position Summary

South Mesquite RWWTP

Full-Time Positions	FY19	FY20	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	10.0	-
Wastewater Plant Operator III	6.0	6.0	-
Wastewater Plant Supervisor III	1.0	1.0	-
Total Full-Time Positions	35.0	35.0	-

Expense Detail

South Mesquite 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
Personnel						
511000 - Supervision	\$ 347,358	\$ 361,700	\$ 361,700	\$ 374,630	\$ 12,930	3.57%
511020 - Clerical	39,648	45,540	44,830	47,265	1,725	3.79%
511030 - Skilled	1,610,014	1,802,065	1,705,390	1,804,720	2,655	0.15%
511060 - Overtime	354,005	248,000	254,100	248,000	-	0.00%
512000 - Social Security	183,199	165,480	166,770	169,300	3,820	2.31%
513000 - Workers' Comp Ins	66,006	62,600	57,500	56,830	(5,770)	-9.22%
513020 - Hospitalization Ins	417,659	466,180	445,955	451,285	(14,895)	-3.20%
513040 - Dental Ins	20,577	23,415	21,990	22,650	(765)	-3.27%
513060 - Life Ins	4,568	4,935	4,915	4,995	60	1.22%
514000 - Retirement	296,205	277,260	277,260	301,530	24,270	8.75%
514010 - Retiree - Insurance	58,550	56,560	56,560	52,605	(3,955)	-6.99%
514020 - Comp Absences-vacation	39,805	26,760	26,760	11,695	(15,065)	-56.30%
514030 - Comp Absences-sick	-	1,915	1,915	-	(1,915)	-100.00%
515000 - Cell Phone Stipend	9,400	12,000	12,000	12,960	960	8.00%
Personnel Total	\$ 3,446,994	\$ 3,554,410	\$ 3,437,645	\$ 3,558,465	\$ 4,055	0.11%

Expense Detail (continued)

South Mesquite 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
Supplies						
520100 - Office Supplies	\$ 8,070	\$ 5,995	\$ 5,995	\$ 6,140	\$ 145	2.42%
520110 - Computer Supplies	12,291	11,815	11,815	10,130	(1,685)	-14.26%
520200 - Xerox Supplies	5,447	2,100	4,110	5,400	3,300	157.14%
520300 - Clothing Supplies	18,004	20,670	25,560	20,670	-	0.00%
520600 - Fuel, Oil and Lube	89,620	87,445	87,445	86,980	(465)	-0.53%
520610 - Generator Fuel	2,709	11,250	6,250	11,000	(250)	-2.22%
520630 - Toll Fees	2,928	4,200	6,205	3,600	(600)	-14.29%
520700 - Machine Oil & Lube	9,990	11,290	8,290	11,290	-	0.00%
520800 - Small Tools & Equip	35,660	20,730	20,730	24,930	4,200	20.26%
520810 - Fire Extinguishers	-	1,000	-	1,000	-	0.00%
520900 - Janitorial Supplies	4,196	4,000	4,000	4,000	-	0.00%
521000 - Laboratory Supplies	9,186	8,330	9,120	8,235	(95)	-1.14%
521100 - Medical Supplies	-	500	-	500	-	0.00%
521110 - Safety Supplies	36,282	26,345	26,345	34,410	8,065	30.61%
521200 - Chem - Other	72,247	142,220	152,800	157,570	15,350	10.79%
521203 - Chem - Chlorine	176,926	137,590	167,590	61,100	(76,490)	-55.59%
521209 - Chem - Polymers	301,439	303,000	233,000	212,000	(91,000)	-30.03%
521210 - Chem - Hypochlorite	4,438	14,690	14,690	14,690	-	0.00%
521211 - Chem - Sulfur Dioxide	94,981	87,000	108,000	34,425	(52,575)	-60.43%
521214 - Chem - Caustic	2,121	6,000	6,000	8,835	2,835	47.25%
521215 - Chem - Bioxide	323,943	323,430	323,430	369,565	46,135	14.26%
521300 - Botanical Supplies	1,018	2,000	2,000	2,000	-	0.00%
521400 - Electrical Supplies	135,441	217,600	190,950	194,000	(23,600)	-10.85%
521500 - Mechanical Supplies	271,499	316,100	286,100	288,450	(27,650)	-8.75%
521700 - Building Supplies	4,145	12,050	2,050	7,500	(4,550)	-37.76%
521900 - Vehicle Supplies	35,931	29,900	35,900	52,400	22,500	75.25%
521910 - Tires and Tubes	13,087	29,720	19,720	32,360	2,640	8.88%
522000 - Equipment Supplies	51,607	89,875	95,375	116,275	26,400	29.37%
522100 - Welding Supplies	1,274	2,500	3,500	2,500	-	0.00%
522200 - Road Maint Supplies	927	3,000	-	3,000	-	0.00%
523000 - Other Supplies	46,563	68,420	58,420	80,225	11,805	17.25%
Supplies Total	\$ 1,771,970	\$ 2,000,765	\$ 1,915,390	\$ 1,865,180	\$ (135,585)	-6.78%
Services						
530300 - Automotive Insurance	\$ 20,271	\$ 21,615	\$ 19,505	\$ 20,970	\$ (645)	-2.98%
530400 - Fire & Exten Cov Ins	20,640	24,035	24,645	29,210	5,175	21.53%
530900 - General Liability Ins	4,061	4,825	5,085	5,645	820	16.99%
531000 - Telephone	3,151	3,480	3,580	3,480	-	0.00%
531020 - Internet Service	76,002	80,820	80,820	80,880	60	0.07%
531100 - Electric Power	766,067	867,800	867,800	996,100	128,300	14.78%
531120 - Retail Water Service	7,537	7,200	7,200	7,200	-	0.00%

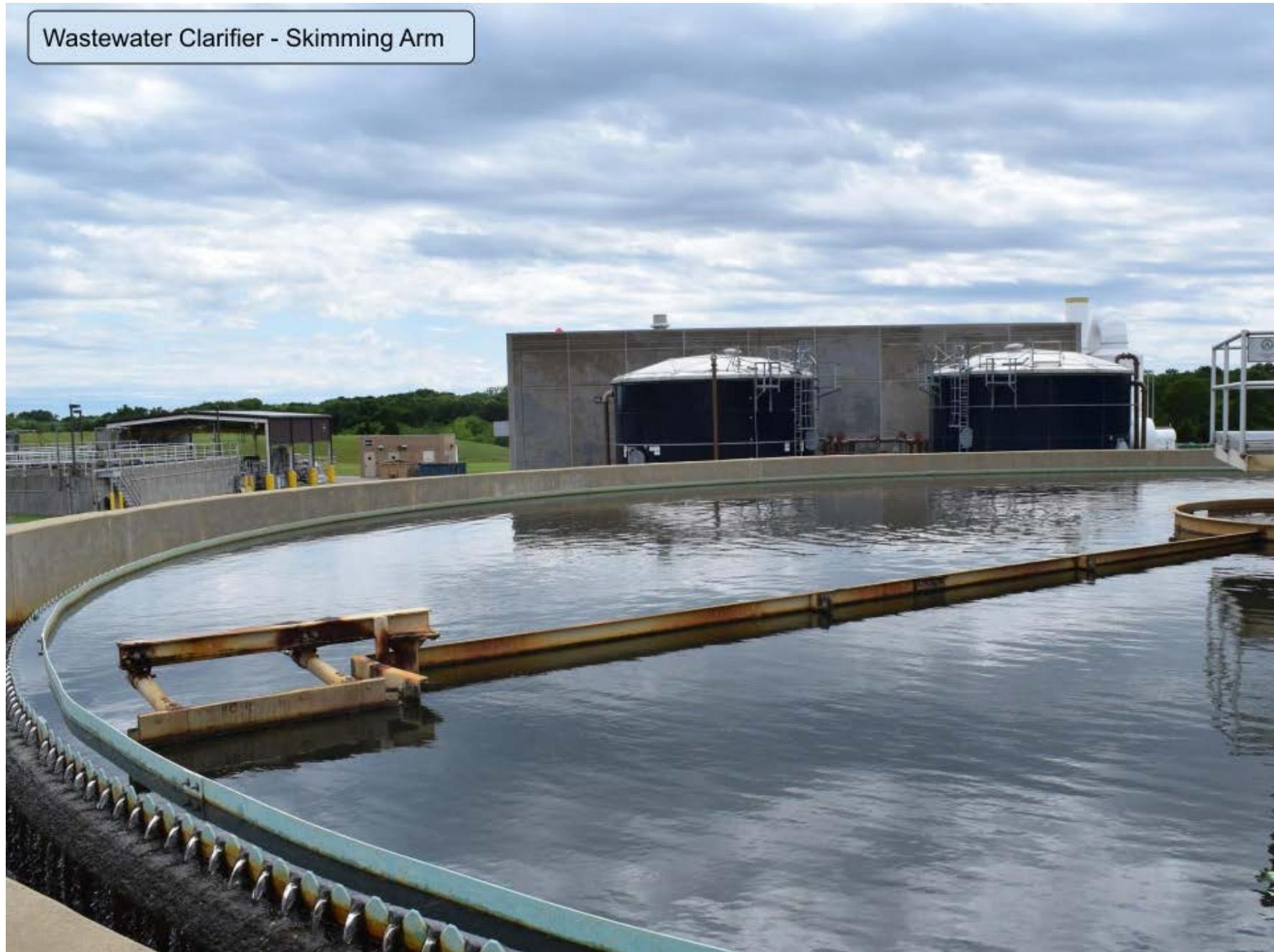
Expense Detail (continued)

South Mesquite 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
Services (continued)						
531300 - Engin/Consultant Svc	\$ -	\$ -	\$ 2,500	\$ -	\$ -	0.00%
531310 - Special Studies & Rpts	102,273	85,950	70,950	73,430	(12,520)	-14.57%
531400 - Legal Service	8,390	10,000	15,260	24,250	14,250	142.50%
531700 - Advertising	339	1,500	1,500	1,500	-	0.00%
531800 - Rent or Lease Payment	17,875	11,850	11,850	12,500	650	5.49%
531900 - Travel and Training	20,630	20,225	20,225	27,575	7,350	36.34%
531910 - Education and Training	2,700	2,475	3,115	2,475	-	0.00%
532000 - Mem & Subscriptions	9,205	17,080	15,080	12,760	(4,320)	-25.29%
532100 - Vehicle Maint	11,966	12,265	14,045	12,265	-	0.00%
532110 - Veh Maint by Solid Waste	10,722	10,200	14,795	18,000	7,800	76.47%
532200 - Equipment Maintenance	98,655	290,440	215,440	239,000	(51,440)	-17.71%
532800 - Grounds Maintenance	4,485	-	-	-	-	0.00%
532810 - Grounds Maint - Contract	13,455	30,000	30,000	32,000	2,000	6.67%
532850 - Building Maintenance	24,095	154,000	150,150	231,000	77,000	50.00%
532900 - Electrical Sys Maint	-	190,725	40,725	31,750	(158,975)	-83.35%
533000 - Other Services	213,113	196,140	196,140	195,075	(1,065)	-0.54%
533020 - Contract Labor	-	12,000	2,000	12,000	-	0.00%
533030 - Contractual Safety Serv	1,775	3,270	3,270	11,520	8,250	252.29%
533100 - Administration	134,495	117,690	117,690	23,545	(94,145)	-79.99%
533380 - Odor Control Crew	-	-	-	20,000	20,000	0.00%
533500 - Lab Svc - Contract	6,997	11,930	11,930	11,930	-	0.00%
533630 - Landfill Service Fees	1,145,491	1,170,390	1,170,390	1,170,390	-	0.00%
533900 - Permits, Ins, & Lic Fees	200	400	400	2,750	2,350	587.50%
533910 - Permit Assessment Fees	118,000	120,950	121,150	124,630	3,680	3.04%
534000 - Uninsured losses	(175)	-	-	-	-	0.00%
Support Services	1,193,117	1,460,960	1,435,115	2,213,180	752,220	51.49%
Services Total	\$ 4,035,530	\$ 4,940,215	\$ 4,672,355	\$ 5,647,010	\$ 706,795	14.31%
Capital Outlay						
540300 - Vehicle Equipment	\$ 182,674	\$ 34,000	\$ 16,760	\$ 55,000	\$ 21,000	61.76%
540400 - Office Equipment	(521)	-	-	-	-	0.00%
540500 - Machinery	472,619	476,000	471,000	409,000	(67,000)	-14.08%
541000 - Laboratory Equipment	-	8,500	5,410	-	(8,500)	-100.00%
542000 - Other Capital Outlay	-	255,200	215,200	-	(255,200)	-100.00%
Capital Outlay Total	\$ 654,772	\$ 773,700	\$ 708,370	\$ 464,000	\$ (309,700)	-40.03%
Grand Total	\$ 9,909,265	\$ 11,269,090	\$ 10,733,760	\$ 11,534,655	\$ 265,565	2.36%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$265,565 from the FY19 Original Budget. Major variances are explained below.

- Support Services allocation increased due to a new allocation methodology.



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, Melissa, McKinney, 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 City of Melissa joined the UEFIS as a Member City in April 2019. The UEFIS consists of 161 miles of pipelines, 19 lift stations and numerous meter stations. During FY18 the UEFIS conveyed approximately 32.8 billion gallons of wastewater. The UEFIS has a total of 22 employees.

Revenues and Expenditures

Category	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues	\$ 33,117,099	\$ 35,795,630	\$ 35,795,630	\$ 38,859,130	\$ 3,063,500	8.56%

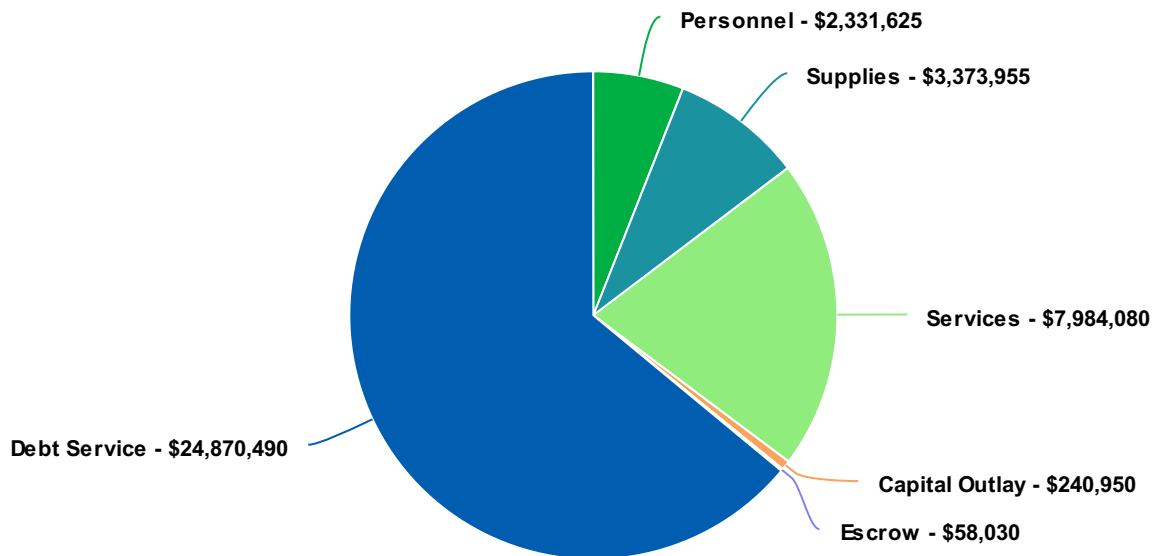
Expenditures

Personnel	\$ 2,028,281	\$ 2,101,230	\$ 2,044,420	\$ 2,331,625	\$ 230,395	10.96%
Supplies	2,865,678	3,020,425	3,107,875	3,373,955	353,530	11.70%
Services	5,013,043	6,837,135	6,805,420	7,984,080	1,146,945	16.78%
Capital Outlay	106,422	235,000	235,000	240,950	5,950	2.53%
Escrow	-	58,030	58,030	58,030	-	0.00%
Debt Service	23,103,675	23,543,810	23,544,885	24,870,490	1,326,680	5.63%
Total	\$ 33,117,099	\$ 35,795,630	\$ 35,795,630	\$ 38,859,130	\$ 3,063,500	8.56%

The FY19 Amended Budget for expenditures and revenues totals \$35,795,630, which is flat to the FY19 Original Budget of \$35,795,630. For the FY20 Annual Budget, the total UEFIS expenditures are \$38,859,130, which is \$3,063,500 or 8.56% greater than the FY19 Original Budget. Major budget variances are explained below:

- Increase in Debt Service of \$1,326,680 related to the issuance of debt for the following:
 - Plano Spring Creek Force Main Parallel and Lift Station - construction & inspection.
 - Wilson Creek Lift Station Improvements - construction & inspection.
 - UEFIS Manhole and McKinney Eastside Extension Improvements - construction & inspection.
 - Various other UEFIS Improvements.
- Increase in Services of \$1,146,945 due to allocation of Support Fund expenses, additional Electric Power and additional Pipeline Maintenance. Increases were offset partially by a decrease in Engineering/Consultant Services, Special Studies & Reports and Facilities Maintenance.
- Increase in Supplies of \$353,530 due primarily for additional chemicals for enhanced odor control.
- Increase in Personnel of \$230,395 related to moving three odor control employees from RWWS to UEFIS and for market / merit based adjustments.

2019-20 BUDGETED EXPENDITURES

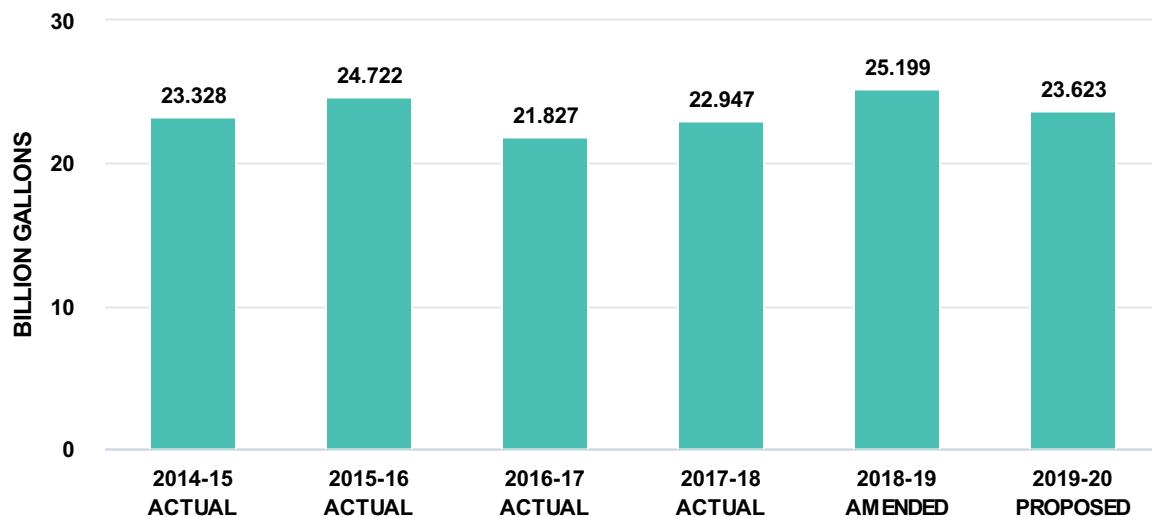


Annual Flows

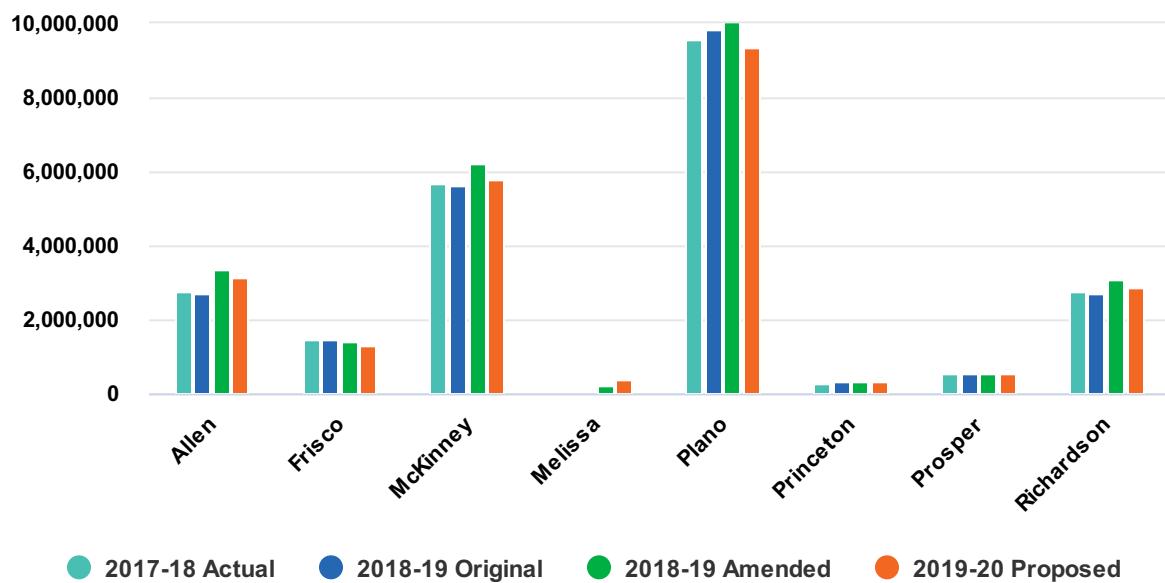
UEFIS has been constructed under a common bond pledge and the participating cities share the cost for wastewater transportation on the basis of proportional flows. Charges are based on current budgeted expenditures and are allocated to each city at the beginning of the year based on estimated flows. 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 FY19 are 25.2 billion gallons, which is 8.74% more than expected. Member City flows for FY20 are estimated to be 23.6 billion gallons. Member City flow information is presented below.

UEFIS MEMBER CITY ANNUAL FLOWS



UEFIS FLOWS BY MEMBER CITY



Member City Charges

Cities	2017-18		2018-19		2018-19		2019-20	
	Actuals		Original Budget		Amended Budget		Proposed Budget	
Allen	\$	3,753,909	\$	3,995,317	\$	4,393,066	\$	4,844,234
Frisco		1,969,082		2,124,352		1,852,163		2,042,380
McKinney		7,741,451		8,265,340		8,139,620		8,975,560
Melissa		-		-		250,904		562,329
Plano		13,064,237		14,506,279		13,177,776		14,531,138
Princeton		393,798		464,998		442,782		488,256
Prosper		726,972		782,057		741,748		825,546
Richardson		3,761,385		3,986,487		4,037,931		4,452,627
Total	\$	31,410,835	\$	34,124,830	\$	33,035,990	\$	36,722,070

Cost Allocation for Member Cities

The total charges to be allocated to the Member Cities for FY20 are \$36,722,070 after deducting interest and other revenue in the estimated amount of \$2,137,060 from the proposed budget of \$38,859,130.

UEFIS Fund Balances
Capital Improvement Fund
9/30/19

Projected Balance:

09/30/19	Expected Fund Balance	\$	2,314,544
	Balance Transfers from Operating Fund		350,000
	Expected Projects		-
	Interest Income		48,605
09/30/20	Balance Available for Future Projects	\$	<u>2,713,149</u>

Reserve for Maintenance Fund
9/30/19

Projected Balance:

09/30/19	Expected Fund Balance	\$	1,422,401
	Balance Transfers from Operating Fund		58,030
	Expected Projects		-
	Interest Income		29,870
09/30/20	Balance Available for Future Projects	\$	<u>1,510,301</u>

Preventative Maintenance Escrow
9/30/19

Projected Balance:

09/30/19	Expected Fund Balance	\$	1,038,938
	Balance Transfers from Operating Fund		-
	Expected Projects		-
	Interest Income		21,818
09/30/20	Balance Available for Future Projects	\$	<u>1,060,756</u>

Upper East Fork Interceptor System

FY2020 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, like the wastewater field operations community of practice meetings, 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	FY19	FY20	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	-
Total Full-Time Positions	19.3	22.3	3.0

Expense Detail

UEFIS	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
Personnel						
511000 - Supervision	\$ 325,619	\$ 358,425	\$ 320,055	\$ 356,440	\$ (1,985)	-0.55%
511020 - Clerical	34,732	42,815	37,070	43,035	220	0.51%
511030 - Skilled	851,684	902,645	904,965	1,087,100	184,455	20.43%
511060 - Overtime	168,221	125,000	135,000	135,000	10,000	8.00%
512000 - Social Security	100,270	97,955	98,040	111,755	13,800	14.09%
513000 - Workers' Comp Ins	30,536	30,335	27,750	31,840	1,505	4.96%
513020 - Hospitalization Ins	276,479	299,145	279,405	315,110	15,965	5.34%
513040 - Dental Ins	16,441	18,485	15,715	17,955	(530)	-2.87%
513060 - Life Ins	2,834	2,925	2,920	3,345	420	14.36%
514000 - Retirement	148,840	156,975	156,975	186,880	29,905	19.05%
514010 - Retiree - Insurance	29,420	32,025	32,025	32,605	580	1.81%
514020 - Comp Absences-vacation	34,245	25,380	25,380	-	(25,380)	-100.00%
515000 - Cell Phone Stipend	8,960	9,120	9,120	10,560	1,440	15.79%
Personnel Total	\$ 2,028,281	\$ 2,101,230	\$ 2,044,420	\$ 2,331,625	\$ 230,395	10.96%
Supplies						
520100 - Office Supplies	\$ 1,736	\$ 2,200	\$ 2,200	\$ 2,200	\$ -	0.00%
520110 - Computer Supplies	29,359	24,630	24,630	29,140	4,510	18.31%
520200 - Xerox Supplies	9,597	8,280	11,280	10,800	2,520	30.43%
520300 - Clothing Supplies	9,063	10,535	10,535	13,335	2,800	26.58%
520600 - Fuel, Oil and Lube	69,745	51,290	51,290	76,210	24,920	48.59%
520610 - Generator Fuel	12,125	15,000	15,000	15,000	\$ -	0.00%
520630 - Toll Fees	2,622	1,700	2,300	2,000	300	17.65%
520700 - Machine Oil & Lube	913	2,500	2,500	2,500	\$ -	0.00%
520800 - Small Tools & Equip	163,287	111,720	110,645	156,720	45,000	40.28%
520810 - Fire Extinguishers	255	300	700	300	\$ -	0.00%

Expense Detail (continued)

UEFIS	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
Supplies (continued)						
520900 - Janitorial Supplies	\$ 1,518	\$ 500	\$ 975	\$ 1,500	\$ 1,000	200.00%
521000 - Laboratory Supplies	262	1,000	965	500	(500)	-50.00%
521100 - Medical Supplies	-	300	300	4,000	3,700	1233.33%
521110 - Safety Supplies	18,618	21,250	33,250	23,625	2,375	11.18%
521200 - Chem - Other	106,550	150,000	150,000	204,500	54,500	36.33%
521208 - Chem - Ferric Chloride	219,100	204,480	204,480	214,705	10,225	5.00%
521215 - Chem - Bioxide	1,649,476	1,810,170	1,810,170	2,002,700	192,530	10.64%
521217 - Chem - Hydro Peroxide	163,011	151,560	151,560	159,140	7,580	5.00%
521300 - Botanical Supplies	51	100	185	100	-	0.00%
521400 - Electrical Supplies	117,271	130,000	130,000	130,000	-	0.00%
521500 - Mechanical Supplies	81,056	120,000	120,000	120,000	-	0.00%
521600 - Pipeline Supplies	152,386	75,600	200,600	75,600	-	0.00%
521700 - Building Supplies	2,296	7,000	7,000	7,000	-	0.00%
521900 - Vehicle Supplies	5,699	12,350	12,350	12,350	-	0.00%
521910 - Tires and Tubes	9,483	10,090	10,090	12,160	2,070	20.52%
522000 - Equipment Supplies	34,398	84,450	29,450	84,450	-	0.00%
522100 - Welding Supplies	-	100	100	100	-	0.00%
522200 - Road Maint Supplies	-	6,000	8,000	6,000	-	0.00%
523000 - Other Supplies	5,800	7,320	7,320	7,320	-	0.00%
Supplies Total	\$ 2,865,678	\$ 3,020,425	\$ 3,107,875	\$ 3,373,955	\$ 353,530	11.70%
Services						
530300 - Automotive Insurance	\$ 10,522	\$ 11,550	\$ 10,735	\$ 12,080	\$ 530	4.59%
530400 - Fire & Exten Cov Ins	23,936	27,470	29,460	34,915	7,445	27.10%
530530 - Pollution Cont Liab Ins	500	525	525	525	-	0.00%
530900 - General Liability Ins	7,386	18,600	16,060	17,825	(775)	-4.17%
531020 - Internet Service	46,945	64,620	64,620	50,280	(14,340)	-22.19%
531100 - Electric Power	1,343,905	1,334,100	1,334,100	1,480,000	145,900	10.94%
531120 - Retail Water Service	31,138	38,400	30,400	38,400	-	0.00%
531200 - Bank Service Fees	299	375	375	680	305	81.33%
531300 - Engin/Consultant Svc	-	90,000	90,000	-	(90,000)	-100.00%
531310 - Special Studies & Rpts	755,643	663,370	663,370	451,500	(211,870)	-31.94%
531400 - Legal Service	4,359	25,000	7,000	20,000	(5,000)	-20.00%
531700 - Advertising	804	500	525	500	-	0.00%
531800 - Rent or Lease Payment	188,611	60,000	95,000	60,000	-	0.00%
531900 - Travel and Training	21,796	21,050	15,050	22,050	1,000	4.75%
531910 - Education and Training	900	1,200	1,200	1,200	-	0.00%
532000 - Mem & Subscriptions	210	845	845	845	-	0.00%
532100 - Vehicle Maint	6,937	4,000	4,600	4,000	-	0.00%
532110 - Veh Maint by Solid Waste	4,518	3,000	6,300	3,000	-	0.00%
532200 - Equipment Maintenance	185,800	260,000	205,000	300,000	40,000	15.38%
532220 - Pipeline Maintenance	854,556	1,914,900	2,012,955	2,057,900	143,000	7.47%
532230 - Facilities Maintenance	-	285,000	41,870	160,000	(125,000)	-43.86%
532810 - Grounds Maint - Contract	13,648	215,220	215,220	215,220	-	0.00%
532900 - Electrical Sys Maint	-	94,400	95,400	102,950	8,550	9.06%
533000 - Other Services	147,903	116,500	176,500	116,500	-	0.00%

Expense Detail (continued)

UEFIS	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
Services (continued)						
533030 - Contractual Safety Serv	\$ 5,804	\$ 8,940	\$ 940	\$ 21,740	\$ 12,800	143.18%
533100 - Administration	124,975	126,820	126,820	26,210	(100,610)	-79.33%
533380 - Odor Control Crew	61,220	50,000	51,800	-	(50,000)	-100.00%
533630 - Landfill Service Fees	2,166	5,000	2,500	5,000	-	0.00%
533640 - Hauling Fees	1,155	5,000	2,500	5,000	-	0.00%
534000 - Uninsured losses	2,561	-	1,000	-	-	0.00%
Support Services	1,164,846	1,390,750	1,502,750	2,775,760	1,385,010	99.59%
Services Total	\$ 5,013,043	\$ 6,837,135	\$ 6,805,420	\$ 7,984,080	\$ 1,146,945	16.78%
Capital Outlay						
540300 - Vehicle Equipment	\$ 64,300	\$ -	\$ -	\$ 120,950	\$ 120,950	0.00%
540500 - Machinery	-	15,000	15,000	-	(15,000)	-100.00%
540700 - Non-Vehicle Equipment	42,122	220,000	220,000	120,000	(100,000)	-45.45%
Capital Outlay Total	\$ 106,422	\$ 235,000	\$ 235,000	\$ 240,950	\$ 5,950	2.53%
Escrow						
550660 - Rsv for Maintenance	\$ -	\$ 58,030	\$ 58,030	\$ 58,030	\$ -	0.00%
Escrow Total	\$ -	\$ 58,030	\$ 58,030	\$ 58,030	\$ -	0.00%
Capital Improvement						
573010 - Tsf to Capital Impr	\$ 200,000	\$ 550,000	\$ 1,766,825	\$ 350,000	\$ (200,000)	-36.36%
Capital Improvement Total	\$ 200,000	\$ 550,000	\$ 1,766,825	\$ 350,000	\$ (200,000)	-36.36%
Debt Service						
571000 - Tsf to I & S	\$ 22,890,000	\$ 22,976,400	\$ 21,759,575	\$ 24,500,000	\$ 1,523,600	6.63%
579000 - Bond Service Fees	13,675	17,410	18,485	20,490	3,080	17.69%
Debt Service Total	\$22,903,675	\$22,993,810	\$21,778,060	\$24,520,490	\$ 1,526,680	6.64%
Grand Total	\$33,117,099	\$35,795,630	\$35,795,630	\$38,859,130	\$ 3,063,500	8.56%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$3,063,500 from the FY19 Original Budget. Major variances are explained below.

- Personnel increased due to three additional employees and market / merit based adjustments.
- Chemicals increased for additional odor control measures.
- Electric Power increased based on historical trending.
- Engin/Consultant Svc and Special Studies & Reports decreased due to lower need.
- Pipeline Maintenance increased for a condition assessment on problematic concrete forcemains.
- Support Services increased due to a new allocation methodology.
- Debt Service increased due to issuance of debt for the following:
 - Plano Spring Creek Force Main Parallel and Lift Station - construction & inspection.
 - Wilson Creek Lift Station Improvements - construction & inspection.
 - UEFIS Manhole and McKinney Eastside Extension Improvements - construction & inspection.
 - Various other UEFIS Improvements.

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SEWER SYSTEM



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 project consists 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 project 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 project 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 is 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 nine 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 but it 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. 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.

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 increased capacity at the Forney Lift Station.

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, 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 FY19 Original and Amended Budgets and the proposed FY20 Budget.

	2017-18 Actual	2018-19 Original	2018-19 Amended	2019-20 Proposed
Water Facilities:				
Little Elm Water Transmission Facilities	\$ 390,686	\$ 391,170	\$ 390,230	\$ 397,005
Plano Water Transmission Facilities	5,805	4,000	4,000	4,160
Kaufman 4-1 Water Distribution Facilities	52,919	68,170	68,160	69,755
Rockwall-Heath Water Storage Facilities	226,366	223,900	223,900	226,565
Terrell Water Transmission Facilities	728,017	709,395	709,395	719,545
Rockwall Water Pump Station Facilities	169,020	166,310	166,310	168,555
Total	\$ 1,572,812	\$ 1,562,945	\$ 1,561,995	\$ 1,585,585
Sewer Facilities:				
Wylie WWTP	\$ 37,285	\$ 43,575	\$ 43,475	\$ 34,975
South Rockwall WWTP	1,219,897	1,799,250	1,796,270	1,809,325
North Rockwall WWTP	445,156	510,020	576,565	606,765
Panther Creek WWTP	8,604,978	8,814,600	8,799,060	7,945,045
Sabine Creek WWTP	2,313,974	2,535,235	2,530,595	2,674,905
Stewart Creek WWTP	7,933,463	9,336,670	9,201,305	9,341,650
Muddy Creek WWTP	6,120,518	6,945,690	6,940,220	7,430,605
Seis Lagos WWTP	180,898	200,610	199,705	216,140
Royse City WWTP	14,140	18,225	18,125	26,675
Farmersville WWTP	319,945	374,355	372,120	480,815
Frisco Cottonwood Creek WWTP	114,245	-	-	-
Lavon WWTP	257,512	291,480	290,550	363,105
Total	\$ 27,562,011	\$ 30,869,710	\$ 30,767,990	\$ 30,930,005
Interceptor Facilities:				
Forney Interceptor	\$ 388,659	\$ 477,605	\$ 477,605	\$ 519,430
Lower East Fork Interceptor	1,804,202	1,843,540	1,843,505	1,860,195
Muddy Creek Interceptor	378,013	495,700	495,700	476,780
Parker Creek Interceptor	289,360	478,910	477,405	469,585
Sabine Creek Interceptor	187,611	322,250	320,685	306,425
Buffalo Creek Interceptor	1,973,913	3,019,965	3,019,965	2,586,110
McKinney Interceptor	5,839	204,375	204,375	400,675
Mustang Creek Interceptor	619,880	1,680,585	1,679,425	1,516,375
Parker Creek Parallel Interceptor	188,038	124,040	123,880	112,300
Total	\$ 5,835,515	\$ 8,646,970	\$ 8,642,545	\$ 8,247,875
Other:				
Wastewater Pretreatment Program	\$ 879,345	\$ 1,025,050	\$ 1,004,550	\$ 1,194,595
Total	\$ 879,345	\$ 1,025,050	\$ 1,004,550	\$ 1,194,595
TOTAL	\$ 35,849,684	\$ 42,104,675	\$ 41,977,080	\$ 41,958,060

Revenues and Expenditures

Category	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues	\$ 35,849,684	\$ 42,104,675	\$ 41,977,080	\$ 41,958,060	(\$146,615)	-0.35%

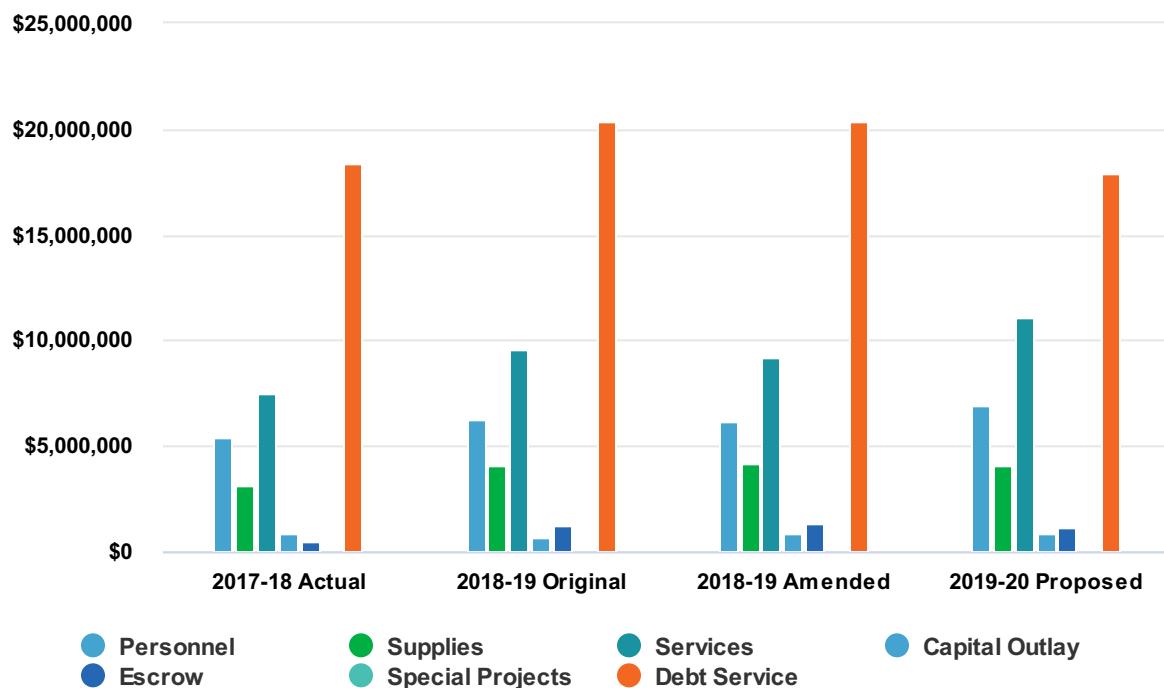
Expenditures

Personnel	\$ 5,443,184	\$ 6,239,635	\$ 6,152,160	\$ 6,869,975	\$ 630,340	10.10%
Supplies	3,164,720	4,076,515	4,161,700	4,084,450	7,935	0.19%
Services	7,446,338	9,535,060	9,183,005	11,067,725	1,532,665	16.07%
Capital Outlay	898,078	691,490	806,015	855,525	164,035	23.72%
Escrow	484,760	1,204,440	1,331,440	1,178,015	(26,425)	-2.19%
Special Projects	-	25,000	10,000	25,000	-	0.00%
Debt Service	18,412,605	20,332,535	20,332,760	17,877,370	(2,455,165)	-12.08%
Total	\$ 35,849,684	\$ 42,104,675	\$ 41,977,080	\$ 41,958,060	(\$146,615)	-0.35%

The FY19 Amended Budget for expenditures totals \$41,977,080, which is \$127,595 or (0.30%) less than the FY19 Original Budget of \$42,104,675. For the FY20 Annual Budget, the total expenditures for Sewer System facilities requested are \$41,958,060, which is \$146,615 or (0.35%) less than the FY19 Original Budget. Major budget variances are explained below:

- Increase in Services of \$1,532,665 due to allocation of Support Fund expenses and Electric Power based on historical trending and for additional capacity due to plant expansions.
- Increase in Personnel of \$630,340 due to 2.65 additional headcount as well as market/merit based adjustments for staff. For FY20, 75 positions are budgeted for the Sewer System.
- Increase in Capital Outlay of \$164,035 related to the purchase of Machinery and Non-Vehicle Equipment.
- Increase in Supplies of \$7,935 driven by additional purchase of Small Tools & Equipment and Medical and Safety Supplies. Increases are mostly offset by a decrease in Chemicals.
- Decrease in Escrow of (\$26,425) related to reduced amounts being transferred to the Reserve for Maintenance and Preventative Maintenance Escrows.
- Decrease in Debt Service of (\$2,455,165) is the net result of the following:
 - Bond issue for the construction of Buffalo Creek Parallel Interceptor in Buffalo Creek Interceptor System.
 - Bond issue for the Panther Creek WWTP expansion to 15 MGD.
 - Bond issue for the design of peak flow storage basin and operations building improvements at the Muddy Creek WWTP.
 - Lower FY20 debt service payments for the Panther Creek WWTP, Stewart Creek WWTP and Buffalo Creek Interceptor.

SEWER SYSTEM EXPENDITURES BY CATEGORY



Sewer System Fund Balances

System Name	Fund	Beginning Balance	Transfers from Operating	Interest Earnings	Expected Projects	Ending Balance
Kaufman 4-1 Water Distribution Facilities	Reserve for Maintenance	\$ 60,481	\$ 5,150	\$ 1,297	-	\$ 66,928
Wylie WWTP	Equipment Replacement	\$ 24,670	-	\$ 529	-	\$ 25,199
South Rockwall WWTP	Preventative Maintenance	\$ 198,294	\$ 103,000	\$ 4,251	-	\$ 305,545
South Rockwall WWTP	Reserve for Maintenance	\$ 42,022	-	\$ 901	-	\$ 42,923
North Rockwall WWTP	Reserve for Maintenance	\$ 4,381	-	\$ 94	-	\$ 4,475
Panther Creek WWTP	Capital Improvement	\$ 62,435	-	\$ 1,338	-	\$ 63,773
Panther Creek WWTP	Preventative Maintenance	\$ 30,007	-	\$ 643	-	\$ 30,650
Panther Creek WWTP	Contingency	\$ 27,361	-	\$ 587	-	\$ 27,948
Sabine Creek WWTP	Preventative Maintenance	\$ 14,471	-	\$ 310	-	\$ 14,781
Sabine Creek WWTP	Contingency	\$ 52,760	-	\$ 1,131	-	\$ 53,891
Stewart Creek WWTP	Preventative Maintenance	\$ 22,686	-	\$ 486	-	\$ 23,172
Stewart Creek WWTP	Contingency	\$ 97,529	-	\$ 2,091	-	\$ 99,620
Muddy Creek WWTP	Capital Improvement	\$ 1,450	-	\$ 31	-	\$ 1,481
Muddy Creek WWTP	Preventative Maintenance	\$ 8,341	-	\$ 179	-	\$ 8,520
Muddy Creek WWTP	Contingency	\$ 14,203	-	\$ 304	-	\$ 14,507
Seis Lagos WWTP	Reserve for Maintenance	\$ 15,248	\$ 950	\$ 327	-	\$ 16,525
Royse City WWTP	Reserve for Maintenance	\$ 10,411	-	\$ 223	-	\$ 10,634
Farmersville WWTP	Reserve for Maintenance	\$ 20,690	-	\$ 444	-	\$ 21,134

Sewer System Fund Balances (continued)

System Name	Fund	Beginning Balance	Transfers from Operating	Interest Earnings	Expected Projects	Ending Balance
Lavon WWTP	Preventative Maintenance	\$ 4,145	-	\$ 89	-	\$ 4,234
Lavon WWTP	Reserve for Maintenance	\$ 8,430	\$ 4,000	\$ 181	-	\$ 12,611
Forney Interceptor	Preventative Maintenance	\$ 93,155	\$ 111,750	\$ 1,997	-	\$ 206,902
Forney Interceptor	Reserve for Maintenance	\$ 18,089	-	\$ 388	-	\$ 18,477
Lower East Fork Interceptor	Preventative Maintenance	\$ 238,679	\$ 124,265	\$ 5,117	-	\$ 368,061
Lower East Fork Interceptor	Contingency	\$ 25,096	-	\$ 538	-	\$ 25,634
Muddy Creek Interceptor	Preventative Maintenance	\$ 169,444	\$ 128,000	\$ 3,633	-	\$ 301,077
Muddy Creek Interceptor	Contingency	\$ 23,428	-	\$ 502	-	\$ 23,930
Parker Creek Interceptor	Preventative Maintenance	\$ 182,322	\$ 183,920	\$ 3,909	-	\$ 370,151
Parker Creek Interceptor	Contingency	\$ 4,165	-	\$ 89	-	\$ 4,254
Sabine Creek Interceptor	Preventative Maintenance	\$ 94,826	\$ 97,500	\$ 2,033	-	\$ 194,359
Sabine Creek Interceptor	Contingency	\$ 5,386	-	\$ 115	-	\$ 5,501
Buffalo Creek Interceptor	Preventative Maintenance	\$ 224,846	\$ 198,750	\$ 4,820	-	\$ 428,416
Buffalo Creek Interceptor	Contingency	\$ 159,731	-	\$ 3,424	-	\$ 163,155
McKinney Interceptor	Preventative Maintenance	\$ 159,011	\$ 126,000	\$ 3,409	\$ (200,000)	\$ 88,420
McKinney Interceptor	Reserve for Maintenance	\$ 15,365	-	\$ 329	-	\$ 15,694
Mustang Creek Interceptor	Capital Improvement	\$ 524,196	-	\$ 11,238	-	\$ 535,434
Mustang Creek Interceptor	Preventative Maintenance	\$ 152,175	\$ 67,230	\$ 3,262	-	\$ 222,667
Mustang Creek Interceptor	Contingency	\$ 10,503	-	\$ 225	-	\$ 10,728
Parker Creek Parallel Interceptor	Preventative Maintenance	\$ 9,923	\$ 27,500	\$ 213	-	\$ 37,636
Parker Creek Parallel Interceptor	Contingency	\$ 27,754	-	\$ 595	-	\$ 28,349

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

FY2020 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	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues						
Wastewater Sales						
422001-Water Facilities	\$ 390,138	\$ 390,650	\$ 389,710	\$ 396,095	\$ 5,445	1.39%
Total Wastewater Sales	\$ 390,138	\$ 390,650	\$ 389,710	\$ 396,095	\$ 5,445	1.39%
441000-Interest Income	\$ 548	\$ 520	\$ 520	\$ 910	\$ 390	75.00%
Revenues Total	\$ 390,686	\$ 391,170	\$ 390,230	\$ 397,005	\$ 5,835	1.49%
Expenses Total	\$ (390,686)	\$ (391,170)	\$ (390,230)	\$ (397,005)	\$ (5,835)	1.49%
Net Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%

Expense Detail

Little Elm Water Transmission Facilities	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
Supplies						
521600 - Pipeline Supplies	\$ -	\$ 1,000	\$ 1,000	\$ 1,000	\$ -	0.00%
Supplies Total	\$ -	\$ 1,000	\$ 1,000	\$ 1,000	\$ -	0.00%
Services						
531200 - Bank Service Fees	\$ 1	\$ 5	\$ 5	\$ 5	\$ -	0.00%
533100 - Administration	80	45	45	10	(35)	-77.78%
Support Services	385	2,390	2,390	2,730	340	14.23%
Services Total	\$ 466	\$ 2,440	\$ 2,440	\$ 2,745	\$ 305	12.50%
Escrow						
550660 - Rsv for Maintenance	\$ -	\$ 5,000	\$ 5,000	\$ -	\$ (5,000)	-100.00%
Escrow Total	\$ -	\$ 5,000	\$ 5,000	\$ -	\$ (5,000)	-100.00%
Debt Service						
571000 - Tsf to I & S	\$ 385,500	\$ 378,000	\$ 378,000	\$ 389,000	\$ 11,000	2.91%
579000 - Bond Service Fees	4,720	4,730	3,790	4,260	(470)	-9.94%
Debt Service Total	\$ 390,220	\$ 382,730	\$ 381,790	\$ 393,260	\$ 10,530	2.75%
Grand Total	\$ 390,686	\$ 391,170	\$ 390,230	\$ 397,005	\$ 5,835	1.49%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$5,835 from the FY19 Original Budget. Major variances are explained below.

- Support Services increased due to a new allocation methodology.

Plano Water Transmission Facilities

Revenues and Expenses

Plano Water Transmission Facilities	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues						
Wastewater Sales						
422001-Water Facilities	\$ 2,675	\$ 4,000	\$ 1,000	\$ 3,685	\$ (315)	-7.88%
Total Wastewater Sales	\$ 2,675	\$ 4,000	\$ 1,000	\$ 3,685	\$ (315)	-7.88%
Other						
459100-Tfr from Escrow Fund	\$ 3,000	\$ -	\$ 3,000	\$ -	\$ -	0.00%
Total Other	\$ 3,000	\$ -	\$ 3,000	\$ -	\$ -	0.00%
441000-Interest Income	\$ 130	\$ -	\$ -	\$ 475	\$ 475	0.00%
Revenues Total	\$ 5,805	\$ 4,000	\$ 4,000	\$ 4,160	\$ 160	4.00%
Expenses Total	\$ (5,805)	\$ (4,000)	\$ (4,000)	\$ (4,160)	\$ (160)	4.00%
Net Revenues	\$ -	0.00%				

Expense Detail

Plano Water Transmission Facilities	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
Supplies						
521600 - Pipeline Supplies	\$ -	\$ 1,000	\$ 1,000	\$ 1,000	\$ -	0.00%
Supplies Total	\$ -	\$ 1,000	\$ 1,000	\$ 1,000	\$ -	0.00%
Services						
533100 - Administration	\$ 75	\$ -	\$ -	\$ -	\$ -	0.00%
Support Services	380	3,000	3,000	3,160	160	5.33%
Services Total	\$ 455	\$ 3,000	\$ 3,000	\$ 3,160	\$ 160	5.33%
Debt Service						
579000 - Bond Service Fees	\$ 5,350	\$ -	\$ -	\$ -	\$ -	0.00%
Debt Service Total	\$ 5,350	\$ -	\$ -	\$ -	\$ -	0.00%
Grand Total	\$ 5,805	\$ 4,000	\$ 4,000	\$ 4,160	\$ 160	4.00%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$160 from the FY19 Original Budget. Major variances are explained below.

- Support Services increased due to a new allocation methodology.

Kaufman Four-One Water Distribution Facilities

Revenues and Expenses

Kaufman Four-One Water Distribution Facilities	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues						
Wastewater Sales						
422001-Water Facilities	\$ 51,867	\$ 68,110	\$ 68,100	\$ 69,590	\$ 1,480	2.17%
Total Wastewater Sales	\$ 51,867	\$ 68,110	\$ 68,100	\$ 69,590	\$ 1,480	2.17%
Other						
440140-Master Card Rebates	\$ 10	\$ -	\$ -	\$ -	\$ -	0.00%
459100-Tfr from Escrow Fund	1,000	-	-	-	-	0.00%
Total Other	\$ 1,010	\$ -	\$ -	\$ -	\$ -	0.00%
441000-Interest Income	\$ 42	\$ 60	\$ 60	\$ 165	\$ 105	175.00%
Revenues Total	\$ 52,919	\$ 68,170	\$ 68,160	\$ 69,755	\$ 1,585	2.33%
Expenses Total	\$ (52,919)	\$ (68,170)	\$ (68,160)	\$ (69,755)	\$ (1,585)	2.33%
Net Revenues	\$ -	0.00%				

Expense Detail

Kaufman Four-One Water Distribution Facilities	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
Supplies						
520700 - Machine Oil & Lube	\$ -	\$ 500	\$ 500	\$ 500	\$ -	0.00%
521300 - Botanical Supplies	-	50	50	50	-	0.00%
521400 - Electrical Supplies	44	5,000	5,000	5,000	-	0.00%
521500 - Mechanical Supplies	-	2,000	2,000	2,000	-	0.00%
521600 - Pipeline Supplies	638	1,000	1,000	1,000	-	0.00%
Supplies Total	\$ 682	\$ 8,550	\$ 8,550	\$ 8,550	\$ -	0.00%
Services						
530400 - Fire & Exten Cov Ins	\$ 475	\$ 555	\$ 545	\$ 645	\$ 90	16.22%
531100 - Electric Power	30,855	35,000	35,000	35,000	-	0.00%
532810 - Grounds Maint - Contract	225	1,075	1,075	1,075	-	0.00%
533100 - Administration	955	785	785	145	(640)	-81.53%
Support Services	19,726	17,205	17,205	19,190	1,985	11.54%
Services Total	\$ 52,237	\$ 54,620	\$ 54,610	\$ 56,055	\$ 1,435	2.63%
Escrow						
550660 - Rsv for Maintenance	\$ -	\$ 5,000	\$ 5,000	\$ 5,150	\$ 150	3.00%
Escrow Total	\$ -	\$ 5,000	\$ 5,000	\$ 5,150	\$ 150	3.00%
Grand Total	\$ 52,919	\$ 68,170	\$ 68,160	\$ 69,755	\$ 1,585	2.33%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$1,585 from the FY19 Original Budget. Major variances are explained below.

- Support Services increased due to a new allocation methodology.

Rockwall-Heath Water Storage Facilities

Revenues and Expenses

Rockwall-Heath Water Storage Facilities	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues						
Wastewater Sales						
422001-Water Facilities	\$ 226,093	\$ 223,635	\$ 223,635	\$ 226,105	\$ 2,470	1.10%
Total Wastewater Sales	\$ 226,093	\$ 223,635	\$ 223,635	\$ 226,105	\$ 2,470	1.10%
441000-Interest Income	\$ 272	\$ 265	\$ 265	\$ 460	\$ 195	73.58%
Revenues Total	\$ 226,366	\$ 223,900	\$ 223,900	\$ 226,565	\$ 2,665	1.19%
Expenses Total	\$ (226,366)	\$ (223,900)	\$ (223,900)	\$ (226,565)	\$ (2,665)	1.19%
Net Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%

Expense Detail

Rockwall-Heath Water Storage Facilities	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
Services						
531200 - Bank Service Fees	\$ 1	\$ 5	\$ 5	\$ 5	\$ -	0.00%
533100 - Administration	75	5	5	-	(5)	-100.00%
Support Services	380	380	380	750	370	97.37%
Services Total	\$ 456	\$ 390	\$ 390	\$ 755	\$ 365	93.59%
Debt Service						
571000 - Tsf to I & S	\$ 221,400	\$ 219,000	\$ 219,000	\$ 221,300	\$ 2,300	1.05%
579000 - Bond Service Fees	4,510	4,510	4,510	4,510	-	0.00%
Debt Service Total	\$ 225,910	\$ 223,510	\$ 223,510	\$ 225,810	\$ 2,300	1.03%
Grand Total	\$ 226,366	\$ 223,900	\$ 223,900	\$ 226,565	\$ 2,665	1.19%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$2,665 from the FY19 Original Budget. Major variances are explained below.

- Support Services increased due to a new allocation methodology.

Terrell Water Transmission Facilities

Revenues and Expenses

Terrell Water Transmission Facilities	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues						
Wastewater Sales						
422001-Water Facilities	\$ 727,142	\$ 708,545	\$ 708,545	\$ 718,085	\$ 9,540	1.35%
Total Wastewater Sales	\$ 727,142	\$ 708,545	\$ 708,545	\$ 718,085	\$ 9,540	1.35%
441000-Interest Income	\$ 874	\$ 850	\$ 850	\$ 1,460	\$ 610	71.76%
Revenues Total	\$ 728,017	\$ 709,395	\$ 709,395	\$ 719,545	\$ 10,150	1.43%
Expenses Total	\$ (728,017)	\$ (709,395)	\$ (709,395)	\$ (719,545)	\$ (10,150)	1.43%
Net Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%

Expense Detail

Terrell Water Transmission Facilities	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
Services						
531200 - Bank Service Fees	\$ 2	\$ 5	\$ 5	\$ 5	\$ -	0.00%
533100 - Administration	1,885	60	60	15	(45)	-75.00%
Support Services	4,620	4,620	4,620	3,755	(865)	-18.72%
Services Total	\$ 6,507	\$ 4,685	\$ 4,685	\$ 3,775	\$ (910)	-19.42%
Debt Service						
571000 - Tsf to I & S	\$ 717,000	\$ 700,200	\$ 700,200	\$ 710,900	\$ 10,700	1.53%
579000 - Bond Service Fees	4,510	4,510	4,510	4,870	360	7.98%
Debt Service Total	\$ 721,510	\$ 704,710	\$ 704,710	\$ 715,770	\$ 11,060	1.57%
Grand Total	\$ 728,017	\$ 709,395	\$ 709,395	\$ 719,545	\$ 10,150	1.43%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$10,150 from the FY19 Original Budget. Major variances are explained below.

- No major variances.

Rockwall Water Pump Station Facilities

Revenues and Expenses

Rockwall Water Pump Station Facilities	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues						
Wastewater Sales						
422001-Water Facilities	\$ 168,826	\$ 166,120	\$ 166,120	\$ 168,215	\$ 2,095	1.26%
Total Wastewater Sales	\$ 168,826	\$ 166,120	\$ 166,120	\$ 168,215	\$ 2,095	1.26%
441000-Interest Income	\$ 195	\$ 190	\$ 190	\$ 340	\$ 150	78.95%
Revenues Total	\$ 169,020	\$ 166,310	\$ 166,310	\$ 168,555	\$ 2,245	1.35%
Expenses Total	\$ (169,020)	\$ (166,310)	\$ (166,310)	\$ (168,555)	\$ (2,245)	1.35%
Net Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%

Expense Detail

Rockwall Water Pump Station Facilities	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
Services						
531200 - Bank Service Fees	\$ 0	\$ 5	\$ 5	\$ 5	\$ -	0.00%
533100 - Administration	80	5	5	-	(5)	-100.00%
Support Services	390	390	390	540	150	38.46%
Services Total	\$ 470	\$ 400	\$ 400	\$ 545	\$ 145	36.25%
Debt Service						
571000 - Tsf to I & S	\$ 164,040	\$ 161,400	\$ 161,400	\$ 163,500	\$ 2,100	1.30%
579000 - Bond Service Fees	4,510	4,510	4,510	4,510	-	0.00%
Debt Service Total	\$ 168,550	\$ 165,910	\$ 165,910	\$ 168,010	\$ 2,100	1.27%
Grand Total	\$ 169,020	\$ 166,310	\$ 166,310	\$ 168,555	\$ 2,245	1.35%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$2,245 from the FY19 Original Budget. Major variances are explained below.

- Support Services increased due to a new allocation methodology.

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.

FY2020 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	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues						
Wastewater Sales						
420000-WWTP - Members	\$ 37,171	\$ 43,525	\$ 43,425	\$ 34,765	\$ (8,760)	-20.13%
Total Wastewater Sales	\$ 37,171	\$ 43,525	\$ 43,425	\$ 34,765	\$ (8,760)	-20.13%
Other						
440040-Recov of Prior Year Exp	\$ 26	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	\$ 17	\$ -	\$ -	\$ -	\$ -	0.00%
440999-Miscellaneous Revenue	\$ 2	\$ -	\$ -	\$ -	\$ -	0.00%
Total Other	\$ 45	\$ -	\$ -	\$ -	\$ -	0.00%
441000-Interest Income	\$ 68	\$ 50	\$ 50	\$ 210	\$ 160	320.00%
Revenues Total	\$ 37,285	\$ 43,575	\$ 43,475	\$ 34,975	\$ (8,600)	-19.74%
Expenses Total	\$ (37,285)	\$ (43,575)	\$ (43,475)	\$ (34,975)	\$ 8,600	-19.74%
Net Revenues	\$ -	0.00%				

Expense Detail

Wylie WWTP	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
Personnel						
511000 - Supervision						
511020 - Clerical	\$ 1,577	\$ 1,645	\$ 1,655	\$ 870	\$ (775)	-47.11%
511030 - Skilled	\$ 209	\$ 430	\$ 345	\$ 215	\$ (215)	-50.00%
511060 - Overtime	\$ 3,010	\$ 3,500	\$ 3,390	\$ 2,145	\$ (1,355)	-38.71%
512000 - Social Security	\$ 548	\$ 600	\$ 910	\$ 600	\$ -	0.00%
513000 - Workers' Comp Ins	\$ 381	\$ 420	\$ 425	\$ 245	\$ (175)	-41.67%
513020 - Hospitalization Ins	\$ 135	\$ 135	\$ 135	\$ 75	\$ (60)	-44.44%
513040 - Dental Ins	\$ 1,090	\$ 1,265	\$ 1,340	\$ 765	\$ (500)	-39.53%
513060 - Life Ins	\$ 55	\$ 60	\$ 75	\$ 35	\$ (25)	-41.67%
514000 - Retirement	\$ 11	\$ 15	\$ 10	\$ 5	\$ (10)	-66.67%
514010 - Retiree - Insurance	\$ 501	\$ 685	\$ 685	\$ 745	\$ 60	8.76%
514020 - Comp Absences-vacation	\$ 100	\$ 140	\$ 140	\$ 130	\$ (10)	-7.14%
514030 - Comp Absences-sick	\$ 55	\$ 60	\$ 60	\$ 50	\$ (10)	-16.67%
515000 - Cell Phone Stipend	\$ 135	\$ 95	\$ 95	\$ 75	\$ (20)	-21.05%
Personnel Total	\$ 7,847	\$ 9,090	\$ 9,305	\$ 5,980	\$ (3,110)	-34.21%
Supplies						
520300 - Clothing Supplies						
520700 - Machine Oil & Lube	\$ 38	\$ 75	\$ 75	\$ 40	\$ (35)	-46.67%
521110 - Safety Supplies	\$ -	\$ 50	\$ 50	\$ 50	\$ -	0.00%
521400 - Electrical Supplies	\$ 9	\$ 75	\$ 75	\$ 75	\$ -	0.00%
521500 - Mechanical Supplies	\$ -	\$ 100	\$ 100	\$ 100	\$ -	0.00%
523660 - Small Plants Supplies	\$ -	\$ 1,050	\$ 1,050	\$ 1,000	\$ (50)	-4.76%
Supplies Total	\$ 1,070	\$ 1,340	\$ 1,340	\$ 725	\$ (615)	-45.90%

Expense Detail (continued)

Wylie WWTP	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
Services						
530300 - Automotive Insurance	\$ 67	\$ 75	\$ 75	\$ 80	\$ 5	6.67%
530400 - Fire & Exten Cov Ins	400	465	465	550	85	18.28%
530900 - General Liability Ins	4	5	5	5	-	0.00%
531100 - Electric Power	546	570	570	570	-	0.00%
531120 - Retail Water Service	747	900	900	900	-	0.00%
531400 - Legal Service	(102)	2,350	2,350	3,300	950	40.43%
531700 - Advertising	1,527	500	185	500	-	0.00%
532810 - Grounds Maint - Contract	2,420	2,905	2,905	2,905	-	0.00%
533000 - Other Services	452	600	600	600	-	0.00%
533100 - Administration	465	510	510	95	(415)	-81.37%
533660 - Small Plants Exp	158	215	215	550	335	155.81%
533900 - Permits, Ins, & Lic Fees	200	300	300	300	-	0.00%
533910 - Permit Assessment Fees	13,909	14,260	14,260	7,165	(7,095)	-49.75%
Support Services	7,035	8,140	8,140	9,260	1,120	13.76%
Services Total	\$ 27,828	\$ 31,795	\$ 31,480	\$ 26,780	\$ (5,015)	-15.77%
Capital Outlay						
543660 - Small Plants Capital	\$ 493	\$ -	\$ -	\$ 225	\$ 225	0.00%
Capital Outlay Total	\$ 493	\$ -	\$ -	\$ 225	\$ 225	0.00%
Grand Total	\$ 37,285	\$ 43,575	\$ 43,475	\$ 34,975	\$ (8,600)	-19.74%

Major FY20 Budget Items

The department's FY20 Proposed Budget has decreased by \$8,600 from the FY19 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.
- Legal Service increased due to permit related services.
- Permit Assessment Fees decreased because of a reduction in TCEQ Discharge Permit Fees.

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

South Rockwall WWTP	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues						
Wastewater Sales						
420000-WWTP - Members	\$ 1,188,621	\$ 1,772,185	\$ 1,769,205	\$ 1,770,205	\$ (1,980)	-0.11%
Total Wastewater Sales	\$ 1,188,621	\$ 1,772,185	\$ 1,769,205	\$ 1,770,205	\$ (1,980)	-0.11%
Other						
440040-Recov of Prior Year Exp	\$ 1,011	\$ -	\$ -	\$ -	\$ -	0.00%
440110-Effluent	21,237	20,840	20,840	20,840	-	0.00%
440140-Master Card Rebates	651	-	-	-	-	0.00%
440999-Miscellaneous Revenue	46	-	-	-	-	0.00%
Total Other	\$ 22,944	\$ 20,840	\$ 20,840	\$ 20,840	\$ -	0.00%
441000-Interest Income	\$ 8,331	\$ 6,225	\$ 6,225	\$ 18,280	\$ 12,055	193.65%
Revenues Total	\$ 1,219,897	\$ 1,799,250	\$ 1,796,270	\$ 1,809,325	\$ 10,075	0.56%
Expenses Total	\$ (1,219,897)	\$ (1,799,250)	\$ (1,796,270)	\$ (1,809,325)	\$ (10,075)	0.56%
Net Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%

Expense Detail

South Rockwall WWTP	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
Personnel						
511000 - Supervision						
511020 - Clerical	\$ 40,045	\$ 41,190	\$ 41,325	\$ 35,905	\$ (5,285)	-12.83%
511030 - Skilled	5,319	10,690	8,680	8,910	(1,780)	-16.65%
511060 - Overtime	76,773	87,145	84,750	88,710	1,565	1.80%
512000 - Social Security	13,976	15,000	20,000	15,000	-	0.00%
513000 - Workers' Comp Ins	9,721	10,645	10,580	10,220	(425)	-3.99%
513020 - Hospitalization Ins	3,410	3,620	3,435	3,180	(440)	-12.15%
513040 - Dental Ins	28,507	31,665	33,445	31,810	145	0.46%
513060 - Life Ins	1,418	1,620	1,865	1,755	135	8.33%
514000 - Retirement	295	320	320	305	(15)	-4.69%
514010 - Retiree - Insurance	17,446	20,420	20,420	19,245	(1,175)	-5.75%
514020 - Comp Absences-vacation	3,450	4,165	4,165	3,360	(805)	-19.33%
514030 - Comp Absences-sick	1,350	1,865	1,865	1,170	(695)	-37.27%
515000 - Cell Phone Stipend	3,435	2,290	2,290	1,915	(375)	-16.38%
Personnel Total	\$ 206,197	\$ 231,775	\$ 234,280	\$ 222,430	\$ (9,345)	-4.03%

Expense Detail (continued)

South Rockwall WWTP	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
Supplies						
520100 - Office Supplies	\$ 82	\$ -	\$ -	\$ -	\$ -	0.00%
520300 - Clothing Supplies	1,004	1,855	1,855	1,690	(165)	-8.89%
520610 - Generator Fuel	105	405	405	395	(10)	-2.47%
520700 - Machine Oil & Lube	277	500	500	500	-	0.00%
520800 - Small Tools & Equip	7,079	5,100	5,100	14,900	9,800	192.16%
520810 - Fire Extinguishers	-	150	150	150	-	0.00%
520900 - Janitorial Supplies	203	120	120	120	-	0.00%
521110 - Safety Supplies	341	3,000	3,000	3,000	-	0.00%
521200 - Chem - Other	13,415	1,030	1,130	1,030	-	0.00%
521203 - Chem - Chlorine	21,128	30,050	30,050	35,200	5,150	17.14%
521211 - Chem - Sulfur Dioxide	14,758	21,440	21,440	22,635	1,195	5.57%
521215 - Chem - Bioxide	-	25,000	25,000	13,335	(11,665)	-46.66%
521400 - Electrical Supplies	8,600	10,000	18,000	10,000	-	0.00%
521500 - Mechanical Supplies	22,759	33,150	37,150	30,000	(3,150)	-9.50%
521700 - Building Supplies	7,929	1,000	1,300	1,000	-	0.00%
522000 - Equipment Supplies	1,465	6,050	6,050	2,550	(3,500)	-57.85%
522200 - Road Maint Supplies	-	600	-	600	-	0.00%
523000 - Other Supplies	(8)	5,000	5,000	-	(5,000)	-100.00%
523660 - Small Plants Supplies	27,292	33,530	33,530	30,010	(3,520)	-10.50%
Supplies Total	\$ 126,428	\$ 177,980	\$ 189,780	\$ 167,115	\$ (10,865)	-6.10%
Services						
530300 - Automotive Insurance	\$ 1,995	\$ 2,225	\$ 1,805	\$ 1,915	\$ (310)	-13.93%
530400 - Fire & Exten Cov Ins	385	450	445	520	70	15.56%
530900 - General Liability Ins	113	165	125	140	(25)	-15.15%
531000 - Telephone	2,367	2,400	2,400	2,400	-	0.00%
531020 - Internet Service	327	240	240	180	(60)	-25.00%
531100 - Electric Power	149,660	157,800	157,800	177,000	19,200	12.17%
531200 - Bank Service Fees	1	5	5	5	-	0.00%
531310 - Special Studies & Rpts	71,717	2,000	22,000	-	(2,000)	-100.00%
531400 - Legal Service	1,791	5,000	5,000	4,900	(100)	-2.00%
531700 - Advertising	1,275	1,500	1,500	1,500	-	0.00%
531800 - Rent or Lease Payment	495	1,500	2,000	1,500	-	0.00%
531900 - Travel and Training	64	-	-	-	-	0.00%
532000 - Mem & Subscriptions	34	-	-	1,050	1,050	0.00%
532200 - Equipment Maintenance	10,705	15,690	15,690	15,690	-	0.00%
532700 - Radio Maintenance	6,500	-	-	-	-	0.00%
532810 - Grounds Maint - Contract	1,705	2,050	2,050	2,050	-	0.00%
532900 - Electrical Sys Maint	-	35,000	35,000	36,125	1,125	3.21%
533000 - Other Services	19,554	496,000	449,595	492,000	(4,000)	-0.81%
533030 - Contractual Safety Serv	-	-	-	2,750	2,750	0.00%
533100 - Administration	14,165	16,045	16,045	3,340	(12,705)	-79.18%

Expense Detail (continued)

South Rockwall WWTP	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
Services (continued)						
533380 - Odor Control Crew	\$ 3,424	\$ 1,000	\$ 2,000	\$ 1,000	-	0.00%
533500 - Lab Svc - Contract	6,437	8,280	8,280	8,280	-	0.00%
533630 - Landfill Service Fees	5,120	3,000	4,500	3,000	-	0.00%
533640 - Hauling Fees	3,294	5,880	4,880	5,940	60	1.02%
533660 - Small Plants Exp	4,023	5,450	5,450	22,810	17,360	318.53%
533670 - Hauling and Dewatering	62,000	62,530	62,530	75,340	12,810	20.49%
533900 - Permits, Ins, & Lic Fees	200	300	300	300	-	0.00%
533910 - Permit Assessment Fees	15,328	15,720	15,720	15,790	70	0.45%
Support Services	128,824	178,970	178,970	154,720	(24,250)	-13.55%
Services Total	\$ 511,503	\$ 1,019,200	\$ 994,330	\$ 1,030,245	\$ 11,045	1.08%
Capital Outlay						
540500 - Machinery	\$ 14,195	\$ 15,000	\$ 22,580	\$ 42,000	\$ 27,000	180.00%
543660 - Small Plants Capital	12,564	-	-	9,315	9,315	0.00%
Capital Outlay Total	\$ 26,759	\$ 15,000	\$ 22,580	\$ 51,315	\$ 36,315	242.10%
Escrow						
550700 - Prev Maint Escrow	\$ 100,000	\$ 103,000	\$ 103,000	\$ 103,000	-	0.00%
Escrow Total	\$ 100,000	\$ 103,000	\$ 103,000	\$ 103,000	-	0.00%
Debt Service						
571000 - Tsf to I & S	\$ 244,500	\$ 247,500	\$ 247,500	\$ 231,000	\$ (16,500)	-6.67%
579000 - Bond Service Fees	4,510	4,795	4,800	4,220	(575)	-11.99%
Debt Service Total	\$ 249,010	\$ 252,295	\$ 252,300	\$ 235,220	\$ (17,075)	-6.77%
Grand Total	\$ 1,219,897	\$ 1,799,250	\$ 1,796,270	\$ 1,809,325	\$ 10,075	0.56%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$10,075 from the FY19 Original Budget. Major variances are explained below.

- Personnel decreased due to a reduction in the Small Plants allocation percentage.
- Electric Power increased based on historical trending.
- Support Services decreased due to a new allocation methodology.
- Machinery increased due to purchasing a replacement blower and a lakeside pump and stand.

North Rockwall (Squabble Creek) Wastewater Treatment Plant

Revenues and Expenses

North Rockwall WWTP	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues						
Wastewater Sales						
420000-WWTP - Members	\$ 442,415	\$ 508,540	\$ 575,085	\$ 604,235	\$ 95,695	18.82%
Total Wastewater Sales	\$ 442,415	\$ 508,540	\$ 575,085	\$ 604,235	\$ 95,695	18.82%
Other						
440040-Recov of Prior Year Exp	\$ 609	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	505	-	-	-	-	0.00%
440999-Miscellaneous Revenue	27	-	-	-	-	0.00%
Total Other	\$ 1,141	\$ -	\$ -	\$ -	\$ -	0.00%
441000-Interest Income	\$ 1,600	\$ 1,480	\$ 1,480	\$ 2,530	\$ 1,050	70.95%
Revenues Total	\$ 445,156	\$ 510,020	\$ 576,565	\$ 606,765	\$ 96,745	18.97%
Expenses Total	\$ (445,156)	\$ (510,020)	\$ (576,565)	\$ (606,765)	\$ (96,745)	18.97%
Net Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%

Expense Detail

North Rockwall WWTP	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
Personnel						
511000 - Supervision						
511020 - Clerical	\$ 23,081	\$ 23,070	\$ 23,140	\$ 28,970	\$ 5,900	25.57%
511030 - Skilled	3,066	5,990	4,860	7,185	1,195	19.95%
511060 - Overtime	44,257	48,795	47,460	71,565	22,770	46.66%
512000 - Social Security	8,057	8,400	10,950	8,400	-	0.00%
513000 - Workers' Comp Ins	5,605	5,955	5,925	8,245	2,290	38.46%
513020 - Hospitalization Ins	1,974	2,030	1,920	2,570	540	26.60%
513040 - Dental Ins	16,214	17,725	18,730	25,665	7,940	44.80%
513060 - Life Ins	814	910	1,045	1,420	510	56.04%
514000 - Retirement	169	170	180	240	70	41.18%
514010 - Retiree - Insurance	8,906	10,670	10,670	11,035	365	3.42%
514020 - Comp Absences-vacation	1,760	2,175	2,175	1,925	(250)	-11.49%
514030 - Comp Absences-sick	780	975	975	710	(265)	-27.18%
515000 - Cell Phone Stipend	1,980	1,320	1,320	1,105	(215)	-16.29%
Personnel Total	\$ 117,261	\$ 128,810	\$ 129,975	\$ 169,795	\$ 40,985	31.82%

Expense Detail (continued)

North Rockwall WWTP	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
Supplies						
520100 - Office Supplies	\$ 45	\$ -	\$ -	\$ -	\$ -	0.00%
520300 - Clothing Supplies	602	1,040	1,005	1,370	330	31.73%
520700 - Machine Oil & Lube	116	600	100	600	-	0.00%
520800 - Small Tools & Equip	643	5,000	5,005	9,000	4,000	80.00%
520810 - Fire Extinguishers	-	250	-	250	-	0.00%
521110 - Safety Supplies	229	1,750	300	1,750	-	0.00%
521200 - Chem - Other	13,148	9,100	8,100	11,350	2,250	24.73%
521203 - Chem - Chlorine	11,543	20,075	16,775	20,790	715	3.56%
521211 - Chem - Sulfur Dioxide	5,938	16,080	11,980	16,560	480	2.99%
521215 - Chem - Bioxide	28,197	31,020	30,420	29,900	(1,120)	-3.61%
521400 - Electrical Supplies	7,555	2,000	23,500	2,000	-	0.00%
521500 - Mechanical Supplies	29,224	15,600	83,700	10,000	(5,600)	-35.90%
521600 - Pipeline Supplies	-	-	4,100	-	-	0.00%
521700 - Building Supplies	327	1,000	1,470	1,000	-	0.00%
522000 - Equipment Supplies	106	2,025	625	2,025	-	0.00%
522200 - Road Maint Supplies	-	600	-	600	-	0.00%
523000 - Other Supplies	1,290	900	1,050	1,500	600	66.67%
523660 - Small Plants Supplies	15,734	18,775	10,775	24,215	5,440	28.97%
Supplies Total	\$ 114,697	\$ 125,815	\$ 198,905	\$ 132,910	\$ 7,095	5.64%
Services						
530300 - Automotive Insurance	\$ 1,910	\$ 2,050	\$ 1,840	\$ 1,610	\$ (440)	-21.46%
530400 - Fire & Exten Cov Ins	439	510	505	595	85	16.67%
530900 - General Liability Ins	62	120	75	80	(40)	-33.33%
531000 - Telephone	2,147	2,220	2,220	2,220	-	0.00%
531020 - Internet Service	90	120	120	90	(30)	-25.00%
531100 - Electric Power	47,400	41,200	41,200	53,000	11,800	28.64%
531310 - Special Studies & Rpts	-	1,000	-	-	(1,000)	-100.00%
531400 - Legal Service	1,986	3,000	165	3,300	300	10.00%
531700 - Advertising	-	1,500	-	1,500	-	0.00%
531800 - Rent or Lease Payment	7,002	500	2,210	500	-	0.00%
532200 - Equipment Maintenance	-	1,500	12,575	1,500	-	0.00%
532810 - Grounds Maint - Contract	1,452	1,745	1,745	1,745	-	0.00%
532900 - Electrical Sys Maint	-	5,000	-	5,675	675	13.50%
533000 - Other Services	9,888	13,600	5,105	15,000	1,400	10.29%
533100 - Administration	7,160	6,070	6,070	1,090	(4,980)	-82.04%
533380 - Odor Control Crew	-	500	500	500	-	0.00%
533500 - Lab Svc - Contract	5,783	7,580	7,580	7,580	-	0.00%
533630 - Landfill Service Fees	5,499	12,420	6,420	12,420	-	0.00%
533640 - Hauling Fees	3,420	6,400	6,400	6,475	75	1.17%
533660 - Small Plants Exp	2,319	3,050	3,050	18,405	15,355	503.44%
533670 - Hauling and Dewatering	11,129	22,000	100	3,080	(18,920)	-86.00%
533900 - Permits, Ins, & Lic Fees	200	300	200	300	-	0.00%
533910 - Permit Assessment Fees	7,810	8,010	7,815	8,050	40	0.50%
Support Services	90,257	101,000	135,860	121,830	20,830	20.62%
Services Total	\$ 205,954	\$ 241,395	\$ 241,755	\$ 266,545	\$ 25,150	10.42%

Expense Detail (continued)

North Rockwall WWTP	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
Capital Outlay						
540200 - Building	\$ -	\$ -	\$ -	\$ 5,000	\$ 5,000	0.00%
540500 - Machinery	\$ -	\$ 14,000	\$ 5,930	\$ 25,000	\$ 11,000	78.57%
543660 - Small Plants Capital	\$ 7,243	\$ -	\$ -	\$ 7,515	\$ 7,515	0.00%
Capital Outlay Total	\$ 7,243	\$ 14,000	\$ 5,930	\$ 37,515	\$ 23,515	167.96%
Grand Total	\$ 445,156	\$ 510,020	\$ 576,565	\$ 606,765	\$ 96,745	18.97%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$96,745 from the FY19 Original Budget. Major variances are explained below.

- Personnel increased because of the additional Small Plants allocation percentage.
- Small Tools & Equipment increased due to the purchase of replacement regulators.
- Small Plants Supplies increased because of the additional Small Plants allocation percentage.
- Support Services increased due to a new allocation methodology.
- Building increased due to purchasing of an office building for plant operators to perform daily duties.
- Machinery increased due to purchasing a RAS pumps and a filter effluent bypass pump.

Panther Creek Wastewater Treatment Plant

Position Summary

Panther Creek WWTP	FY19	FY20	Difference
Full-Time Positions			
Chief Wastewater Plant Operator	1.00	1.00	-
Information Systems Assistant	0.50	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	-
Total Full-Time Positions	17.83	17.83	-

Revenues and Expenses

Panther Creek WWTP	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues						
Wastewater Sales						
420000-WWTP - Members	\$ 8,568,155	\$ 8,799,670	\$ 8,784,130	\$ 7,914,670	\$ (885,000)	-10.06%
Total Wastewater Sales	\$ 8,568,155	\$ 8,799,670	\$ 8,784,130	\$ 7,914,670	\$ (885,000)	-10.06%
Other						
440040-Recov of Prior Year Exp	\$ 5,157	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	2,006	-	-	-	-	0.00%
440999-Miscellaneous Revenue	11,508	-	-	-	-	0.00%
Total Other	\$ 18,671	\$ -	\$ -	\$ -	\$ -	0.00%
441000-Interest Income	\$ 18,152	\$ 14,930	\$ 14,930	\$ 30,375	\$ 15,445	103.45%
Revenues Total	\$ 8,604,978	\$ 8,814,600	\$ 8,799,060	\$ 7,945,045	\$ (869,555)	-9.86%
Expenses Total	\$ (8,604,978)	\$ (8,814,600)	\$ (8,799,060)	\$ (7,945,045)	\$ 869,555	-9.86%
Net Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%

Expense Detail

Panther Creek WWTP	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
Personnel						
511000 - Supervision	\$ 128,051	\$ 133,665	\$ 134,515	\$ 140,940	\$ 7,275	5.44%
511020 - Clerical	22,556	23,865	23,640	24,820	955	4.00%
511030 - Skilled	789,111	863,380	848,785	899,720	36,340	4.21%
511060 - Overtime	53,773	60,000	60,000	60,000	-	0.00%
512000 - Social Security	71,387	76,475	76,010	81,510	5,035	6.58%
513000 - Workers' Comp Ins	26,401	28,510	28,015	29,230	720	2.53%
513020 - Hospitalization Ins	204,787	221,805	219,440	224,395	2,590	1.17%
513040 - Dental Ins	9,686	10,500	10,430	10,700	200	1.90%
513060 - Life Ins	2,205	2,310	2,360	2,415	105	4.55%
514000 - Retirement	126,121	119,015	119,015	139,305	20,290	17.05%
514010 - Retiree - Insurance	24,930	24,280	24,280	24,305	25	0.10%
514020 - Comp Absences-vacation	11,225	10,835	10,835	8,475	(2,360)	-21.78%
514030 - Comp Absences-sick	13,355	8,900	8,900	6,940	(1,960)	-22.02%
515000 - Cell Phone Stipend	5,556	8,315	8,315	8,315	-	0.00%
Personnel Total	\$ 1,489,144	\$ 1,591,855	\$ 1,574,540	\$ 1,661,070	\$ 69,215	4.35%
Supplies						
520100 - Office Supplies	\$ 2,610	\$ 2,590	\$ 2,590	\$ 3,100	\$ 510	19.69%
520110 - Computer Supplies	16,021	9,325	9,325	9,325	-	0.00%
520200 - Xerox Supplies	4,816	5,040	6,090	5,400	360	7.14%
520300 - Clothing Supplies	8,591	7,080	11,280	9,800	2,720	38.42%
520600 - Fuel, Oil and Lube	6,869	6,160	6,160	4,440	(1,720)	-27.92%
520610 - Generator Fuel	819	2,700	2,700	2,700	-	0.00%
520630 - Toll Fees	1,530	1,000	1,650	1,000	-	0.00%
520700 - Machine Oil & Lube	1,846	2,980	2,980	2,980	-	0.00%
520800 - Small Tools & Equip	20,920	11,070	13,070	20,810	9,740	87.99%
520810 - Fire Extinguishers	-	400	400	400	-	0.00%
520900 - Janitorial Supplies	2,630	2,500	2,500	2,500	-	0.00%
521000 - Laboratory Supplies	4,445	3,640	3,640	3,640	-	0.00%
521100 - Medical Supplies	609	550	-	650	100	18.18%
521110 - Safety Supplies	6,489	7,090	7,090	7,810	720	10.16%
521200 - Chem - Other	9,511	8,800	8,800	8,800	-	0.00%
521201 - Chem - Lime	17,848	25,515	25,515	10,950	(14,565)	-57.08%
521203 - Chem - Chlorine	495	750	750	750	-	0.00%
521209 - Chem - Polymers	74,217	93,000	93,000	47,500	(45,500)	-48.92%
521210 - Chem - Hypochlorite	11,033	17,080	17,330	15,080	(2,000)	-11.71%
521212 - Chem - Liq Ferr Sulfate	69,866	56,100	56,100	67,620	11,520	20.53%
521214 - Chem - Caustic	-	-	-	9,250	9,250	0.00%
521215 - Chem - Bioxide	519,413	585,240	585,240	511,950	(73,290)	-12.52%
521300 - Botanical Supplies	2,070	2,000	2,370	2,000	-	0.00%
521400 - Electrical Supplies	93,182	81,250	81,250	82,350	1,100	1.35%
521500 - Mechanical Supplies	123,489	143,250	143,250	146,950	3,700	2.58%
521700 - Building Supplies	4,492	11,000	11,000	11,500	500	4.55%

Expense Detail (continued)

Panther Creek WWTP	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
Supplies (continued)						
521900 - Vehicle Supplies	\$ 1,456	\$ 3,000	\$ 3,000	\$ 3,000	\$ -	0.00%
521910 - Tires and Tubes	1,986	4,840	3,790	4,100	(740)	-15.29%
522000 - Equipment Supplies	26,865	13,875	13,875	13,800	(75)	-0.54%
522100 - Welding Supplies	690	650	650	650	-	0.00%
523000 - Other Supplies	13,097	19,170	19,170	25,390	6,220	32.45%
Supplies Total	\$ 1,047,907	\$ 1,127,645	\$ 1,134,565	\$ 1,036,195	\$ (91,450)	-8.11%
Services						
530300 - Automotive Insurance	\$ 2,539	\$ 2,695	\$ 2,520	\$ 2,690	\$ (5)	-0.19%
530400 - Fire & Exten Cov Ins	4,305	5,015	4,930	5,840	825	16.45%
530900 - General Liability Ins	842	1,150	925	995	(155)	-13.48%
531000 - Telephone	6,814	9,900	9,900	9,900	-	0.00%
531020 - Internet Service	3,733	32,880	32,880	32,940	60	0.18%
531100 - Electric Power	460,455	467,000	467,000	541,700	74,700	16.00%
531110 - Nat Gas, Butane & Kero	430	1,980	1,980	1,155	(825)	-41.67%
531200 - Bank Service Fees	9	25	25	25	-	0.00%
531300 - Engin/Consultant Svc	20,000	-	3,565	-	-	0.00%
531310 - Special Studies & Rpts	25,840	84,805	84,805	144,000	59,195	69.80%
531400 - Legal Service	4,953	75,000	75,000	88,100	13,100	17.47%
531700 - Advertising	62	5,000	5,000	2,200	(2,800)	-56.00%
531800 - Rent or Lease Payment	277	500	500	500	-	0.00%
531900 - Travel and Training	8,195	23,400	23,400	8,400	(15,000)	-64.10%
531910 - Education and Training	415	1,350	1,350	1,350	-	0.00%
532000 - Mem & Subscriptions	112	190	200	4,560	4,370	2300.00%
532100 - Vehicle Maint	202	2,000	2,000	2,000	-	0.00%
532110 - Veh Maint by Solid Waste	1,351	1,000	1,000	1,000	-	0.00%
532200 - Equipment Maintenance	34,088	45,830	45,830	54,580	8,750	19.09%
532810 - Grounds Maint - Contract	13,450	14,520	14,520	14,520	-	0.00%
532850 - Building Maintenance	-	-	-	650	650	0.00%
532900 - Electrical Sys Maint	-	56,000	56,000	58,700	2,700	4.82%
533000 - Other Services	227,658	265,820	187,640	162,320	(103,500)	-38.94%
533030 - Contractual Safety Serv	-	1,120	1,120	9,370	8,250	736.61%
533100 - Administration	56,710	55,570	55,570	11,295	(44,275)	-79.67%
533380 - Odor Control Crew	3,481	3,500	3,500	3,500	-	0.00%
533500 - Lab Svc - Contract	8,287	11,490	11,490	11,490	-	0.00%
533630 - Landfill Service Fees	326,067	364,500	364,500	364,500	-	0.00%
533640 - Hauling Fees	102,039	117,120	117,120	126,480	9,360	7.99%
533900 - Permits, Ins, & Lic Fees	200	400	2,250	400	-	0.00%
533910 - Permit Assessment Fees	45,586	46,730	47,185	46,955	225	0.48%
534000 - Uninsured losses	11,713	-	-	-	-	0.00%
Support Services	449,949	547,090	547,090	775,475	228,385	41.75%
Services Total	\$ 1,819,761	\$ 2,243,580	\$ 2,170,795	\$ 2,487,590	\$ 244,010	10.88%

Expense Detail (continued)

Panther Creek WWTP	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
Capital Outlay						
540300 - Vehicle Equipment	\$ 7,558	\$ -	\$ -	\$ -	\$ -	0.00%
540500 - Machinery	\$ 56,918	\$ 35,000	\$ 35,000	\$ 42,000	\$ 7,000	20.00%
540700 - Non-Vehicle Equipment	\$ 28,997	\$ -	\$ 48,525	\$ -	\$ -	0.00%
542000 - Other Capital Outlay	\$ 235,173	\$ -	\$ 16,805	\$ -	\$ -	0.00%
Capital Outlay Total	\$ 328,646	\$ 35,000	\$ 100,330	\$ 42,000	\$ 7,000	20.00%
Escrow						
550700 - Prev Maint Escrow	\$ 25,000	\$ -	\$ -	\$ -	\$ -	0.00%
Escrow Total	\$ 25,000	\$ -	\$ -	\$ -	\$ -	0.00%
Special Projects						
560000 - Special Projects	\$ -	\$ 10,000	\$ 10,000	\$ 10,000	\$ -	0.00%
Special Projects Total	\$ -	\$ 10,000	\$ 10,000	\$ 10,000	\$ -	0.00%
Debt Service						
571000 - Tsf to I & S	\$ 3,888,000	\$ 3,800,000	\$ 3,800,000	\$ 2,700,000	\$ (1,100,000)	-28.95%
579000 - Bond Service Fees	\$ 6,520	\$ 6,520	\$ 8,830	\$ 8,190	\$ 1,670	25.61%
Debt Service Total	\$ 3,894,520	\$ 3,806,520	\$ 3,808,830	\$ 2,708,190	\$ (1,098,330)	-28.85%
Grand Total	\$ 8,604,978	\$ 8,814,600	\$ 8,799,060	\$ 7,945,045	\$ (869,555)	-9.86%

Major FY20 Budget Items

The department's FY20 Proposed Budget has decreased by \$869,555 from the FY19 Original Budget. Major variances are explained below.

- Personnel increased due to market / merit based adjustments.
- Small Tools & Equipment increased due to new influent and effluent flow meters.
- Chemicals decreased due to changes in plant processes and Stewart Creek WWTP going online.
- Other Supplies increased for additional liners needed due to an increase in sludge loads.
- Electric Power increased based on historical trending.
- Special Studies & Reports increased due to dissolved oxygen water quality model.
- Support Services increased due to a new allocation methodology.
- Debt Service decreased as a result of a transfer from the reserve fund due to lower reserve requirements.

Sabine Creek Wastewater Treatment Plant**Revenues and Expenses**

Sabine Creek WWTP	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues						
Wastewater Sales						
420000-WWTP - Members	\$ 2,308,191	\$ 2,531,725	\$ 2,527,085	\$ 2,665,100	\$ 133,375	5.27%
Total Wastewater Sales	\$ 2,308,191	\$ 2,531,725	\$ 2,527,085	\$ 2,665,100	\$ 133,375	5.27%
Other						
440040-Recov of Prior Year Exp	\$ 718	\$ -	\$ -	\$ -	\$ -	0.00%
440070-Rental/Lease Income	100	-	-	-	-	0.00%
440140-Master Card Rebates	324	-	-	-	-	0.00%
440999-Miscellaneous Revenue	46	-	-	-	-	0.00%
Total Other	\$ 1,188	\$ -	\$ -	\$ -	\$ -	0.00%
441000-Interest Income	\$ 4,595	\$ 3,510	\$ 3,510	\$ 9,805	\$ 6,295	179.34%
Revenues Total	\$ 2,313,974	\$ 2,535,235	\$ 2,530,595	\$ 2,674,905	\$ 139,670	5.51%
Expenses Total	\$ (2,313,974)	\$ (2,535,235)	\$ (2,530,595)	\$ (2,674,905)	\$ (139,670)	5.51%
Net Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%

Expense Detail

Sabine Creek WWTP	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
Personnel						
Personnel						
511000 - Supervision	\$ 40,045	\$ 41,190	\$ 41,325	\$ 43,370	\$ 2,180	5.29%
511020 - Clerical	5,319	10,690	8,680	10,755	65	0.61%
511030 - Skilled	76,773	87,145	84,750	107,130	19,985	22.93%
511060 - Overtime	13,976	15,000	21,500	15,000	-	0.00%
512000 - Social Security	9,727	10,645	10,580	12,340	1,695	15.92%
513000 - Workers' Comp Ins	3,458	3,620	3,435	3,850	230	6.35%
513020 - Hospitalization Ins	27,264	31,665	33,445	38,425	6,760	21.35%
513040 - Dental Ins	1,396	1,620	1,865	2,105	485	29.94%
513060 - Life Ins	291	320	320	360	40	12.50%
514000 - Retirement	12,255	14,025	14,025	19,065	5,040	35.94%
514010 - Retiree - Insurance	2,425	2,860	2,860	3,325	465	16.26%
514020 - Comp Absences-vacation	1,350	1,300	1,300	1,360	60	4.62%
514030 - Comp Absences-sick	3,435	2,290	2,290	1,915	(375)	-16.38%
515000 - Cell Phone Stipend	1,015	1,140	1,140	1,140	-	0.00%
Personnel Total	\$ 198,730	\$ 223,510	\$ 227,515	\$ 260,140	\$ 36,630	16.39%

Expense Detail (continued)

Sabine Creek WWTP		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	
Supplies							
520100 - Office Supplies	\$ 8,497	\$ 2,000	\$ 3,000	\$ 2,000	\$ -	\$ -	0.00%
520110 - Computer Supplies	-	-	3,050	500	500	500	0.00%
520300 - Clothing Supplies	1,044	1,855	1,855	2,050	195	195	10.51%
520610 - Generator Fuel	437	415	415	410	(5)	(5)	-1.20%
520700 - Machine Oil & Lube	1,854	4,000	4,000	4,000	-	-	0.00%
520800 - Small Tools & Equip	6,065	6,000	7,900	12,900	6,900	6,900	115.00%
520810 - Fire Extinguishers	-	350	350	350	-	-	0.00%
520900 - Janitorial Supplies	451	1,000	1,000	1,200	200	200	20.00%
521000 - Laboratory Supplies	673	1,500	1,500	1,500	-	-	0.00%
521110 - Safety Supplies	465	2,000	2,000	2,000	-	-	0.00%
521200 - Chem - Other	16,393	25,525	25,525	35,600	10,075	10,075	39.47%
521203 - Chem - Chlorine	3,376	3,960	3,960	4,110	150	150	3.79%
521400 - Electrical Supplies	7,886	30,000	30,000	35,000	5,000	5,000	16.67%
521500 - Mechanical Supplies	30,454	37,200	39,200	19,800	(17,400)	(17,400)	-46.77%
521700 - Building Supplies	3,156	2,500	2,500	2,500	-	-	0.00%
522000 - Equipment Supplies	302	6,050	3,800	6,050	-	-	0.00%
522200 - Road Maint Supplies	-	1,200	11,365	1,200	-	-	0.00%
523000 - Other Supplies	14,024	14,800	14,800	8,000	(6,800)	(6,800)	-45.95%
523660 - Small Plants Supplies	27,459	33,530	33,530	36,250	2,720	2,720	8.11%
Supplies Total	\$ 122,536	\$ 173,885	\$ 189,750	\$ 175,420	\$ 1,535	\$ 0.88%	
Services							
530300 - Automotive Insurance	\$ 2,009	\$ 2,050	\$ 2,365	\$ 2,220	\$ 170	\$ 170	8.29%
530400 - Fire & Exten Cov Ins	2,452	2,855	2,810	3,330	475	475	16.64%
530900 - General Liability Ins	1,149	2,160	140	155	(2,005)	(2,005)	-92.82%
531000 - Telephone	1,765	5,080	5,080	4,080	(1,000)	(1,000)	-19.69%
531020 - Internet Service	180	240	240	1,380	1,140	1,140	475.00%
531100 - Electric Power	167,117	202,500	202,500	209,100	6,600	6,600	3.26%
531120 - Retail Water Service	-	-	900	1,200	1,200	1,200	0.00%
531200 - Bank Service Fees	2	5	5	5	-	-	0.00%
531310 - Special Studies & Rpts	590	-	400	3,000	3,000	3,000	0.00%
531400 - Legal Service	1,566	5,000	5,000	12,600	7,600	7,600	152.00%
531700 - Advertising	-	500	500	2,200	1,700	1,700	340.00%
531800 - Rent or Lease Payment	-	100	1,100	100	-	-	0.00%
531900 - Travel and Training	126	-	100	-	-	-	0.00%
532000 - Mem & Subscriptions	67	-	-	850	850	850	0.00%
532200 - Equipment Maintenance	24,711	25,315	32,315	27,065	1,750	1,750	6.91%
532810 - Grounds Maint - Contract	3,168	3,500	3,500	3,485	(15)	(15)	-0.43%
532850 - Building Maintenance	-	-	-	300	300	300	0.00%
532900 - Electrical Sys Maint	-	24,000	24,000	6,125	(17,875)	(17,875)	-74.48%
533000 - Other Services	66,330	75,000	55,370	105,000	30,000	30,000	40.00%

Expense Detail (continued)

Sabine Creek WWTP		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	
Services (continued)							
533100 - Administration	\$ 11,970	\$ 10,300	\$ 10,300	\$ 2,210	\$ (8,090)		-78.54%
533380 - Odor Control Crew	\$ 45	\$ 100	\$ 100	\$ 100	\$ -		0.00%
533500 - Lab Svc - Contract	3,374	8,300	8,300	8,300	\$ -		0.00%
533630 - Landfill Service Fees	64,499	54,000	55,120	69,960	15,960		29.56%
533640 - Hauling Fees	46,366	37,620	37,620	37,980	360		0.96%
533660 - Small Plants Exp	4,023	5,450	5,450	27,545	22,095		405.41%
533900 - Permits, Ins, & Lic Fees	200	300	200	2,315	2,015		671.67%
533910 - Permit Assessment Fees	11,101	20,910	11,105	20,385	(525)		-2.51%
Support Services	109,790	129,525	149,025	209,835	80,310		62.00%
Services Total	\$ 522,600	\$ 614,810	\$ 613,545	\$ 760,825	\$ 146,015		23.75%
Capital Outlay							
540200 - Building	\$ 9,678	\$ -	\$ -	\$ -	\$ -		0.00%
540300 - Vehicle Equipment	-	-	-	18,000	18,000		0.00%
540500 - Machinery	8,076	91,000	67,850	73,000	(18,000)		-19.78%
543660 - Small Plants Capital	12,564	-	-	11,250	11,250		0.00%
Capital Outlay Total	\$ 30,318	\$ 91,000	\$ 67,850	\$ 102,250	\$ 11,250		12.36%
Escrow							
550700 - Prev Maint Escrow	\$ 10,000	\$ -	\$ -	\$ -	\$ -		0.00%
Escrow Total	\$ 10,000	\$ -	\$ -	\$ -	\$ -		0.00%
Debt Service							
571000 - Tsf to I & S	\$ 1,422,600	\$ 1,425,900	\$ 1,425,900	\$ 1,370,000	\$ (55,900)		-3.92%
579000 - Bond Service Fees	7,190	6,130	6,035	6,270	140		2.28%
Debt Service Total	\$ 1,429,790	\$ 1,432,030	\$ 1,431,935	\$ 1,376,270	\$ (55,760)		-3.89%
Grand Total	\$ 2,313,974	\$ 2,535,235	\$ 2,530,595	\$ 2,674,905	\$ 139,670		5.51%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$139,670 from the FY19 Original Budget. Major variances are explained below.

- Personnel increased due to market / merit based adjustments.
- Other Services increased due to the purchase of weir cleaning system.
- Landfill Service Fees increased due to additional sludge disposal and plant expansion to 3 MGD.
- Support Services increased due to a new allocation methodology.

Stewart Creek Wastewater Treatment Plant

Position Summary

Stewart Creek WWTP		FY19	FY20	Difference
Full-Time Positions				
Chief Wastewater Plant Operator		1.0	1.0	-
Information Systems Assistant		1.5	1.5	-
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	-
Total Full-Time Positions		18.5	19.5	1.0

Revenues and Expenses

Stewart Creek WWTP	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
	Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget
Revenues						
Wastewater Sales						
420000-WWTP - Members	\$ 7,898,130	\$ 9,320,995	\$ 9,181,630	\$ 9,312,220	\$ (8,775)	-0.09%
Total Wastewater Sales	\$ 7,898,130	\$ 9,320,995	\$ 9,181,630	\$ 9,312,220	\$ (8,775)	-0.09%
Other						
440040-Recov of Prior Year Exp	\$ 3,075	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	1,998	-	-	-	-	0.00%
440999-Miscellaneous Revenue	7,073	-	-	-	-	0.00%
459100-Tfr from Escrow Fund	3,000	-	4,000	-	-	0.00%
Total Other	\$ 15,146	\$ -	\$ 4,000	\$ -	\$ -	0.00%
441000-Interest Income	\$ 20,188	\$ 15,675	\$ 15,675	\$ 29,430	\$ 13,755	87.75%
Revenues Total	\$ 7,933,463	\$ 9,336,670	\$ 9,201,305	\$ 9,341,650	\$ 4,980	0.05%
Expenses Total	\$ (7,933,463)	\$ (9,336,670)	\$ (9,201,305)	\$ (9,341,650)	\$ (4,980)	0.05%
Net Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%

Expense Detail

Stewart Creek WWTP	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
Personnel						
511000 - Supervision	\$ 74,517	\$ 77,945	\$ 77,260	\$ 81,035	\$ 3,090	3.96%
511020 - Clerical	38,585	66,060	65,150	68,495	2,435	3.69%
511030 - Skilled	459,302	836,805	717,700	907,795	70,990	8.48%
511060 - Overtime	89,256	60,000	110,000	110,000	50,000	83.33%
512000 - Social Security	52,814	74,370	67,805	80,875	6,505	8.75%
513000 - Workers' Comp Ins	20,950	30,350	25,160	29,435	(915)	-3.01%
513020 - Hospitalization Ins	141,220	203,300	201,735	218,195	14,895	7.33%
513040 - Dental Ins	8,791	11,680	11,645	12,025	345	2.95%
513060 - Life Ins	1,367	2,270	2,100	2,435	165	7.27%
514000 - Retirement	69,546	69,760	69,760	96,880	27,120	38.88%
514010 - Retiree - Insurance	13,750	14,230	14,230	16,905	2,675	18.80%
514020 - Comp Absences-vacation	4,430	7,520	7,520	7,320	(200)	-2.66%
514030 - Comp Absences-sick	10,650	5,475	5,475	5,340	(135)	-2.47%
515000 - Cell Phone Stipend	4,520	7,680	7,680	6,720	(960)	-12.50%
Personnel Total	\$ 989,697	\$ 1,467,445	\$ 1,383,220	\$ 1,643,455	\$ 176,010	11.99%
Supplies						
520100 - Office Supplies	\$ 9,164	\$ 5,080	\$ 7,830	\$ 6,100	\$ 1,020	20.08%
520110 - Computer Supplies	8,866	12,070	12,070	7,275	(4,795)	-39.73%
520200 - Xerox Supplies	432	4,800	4,800	4,800	-	0.00%
520300 - Clothing Supplies	7,176	22,220	22,220	22,000	(220)	-0.99%
520600 - Fuel, Oil and Lube	5,959	8,440	8,440	4,915	(3,525)	-41.77%
520610 - Generator Fuel	-	4,560	4,760	12,000	7,440	163.16%
520630 - Toll Fees	478	250	1,100	1,000	750	300.00%
520700 - Machine Oil & Lube	630	2,980	2,980	3,515	535	17.95%
520800 - Small Tools & Equip	50,878	30,080	32,380	30,080	-	0.00%
520810 - Fire Extinguishers	-	900	900	900	-	0.00%
520900 - Janitorial Supplies	1,575	1,200	1,700	1,200	-	0.00%
521000 - Laboratory Supplies	7,229	8,760	9,560	12,440	3,680	42.01%
521100 - Medical Supplies	8	200	200	1,175	975	487.50%
521110 - Safety Supplies	17,677	8,895	8,895	24,570	15,675	176.22%
521200 - Chem - Other	79	58,415	35,915	59,105	690	1.18%
521203 - Chem - Chlorine	37,349	3,350	40,850	3,510	160	4.78%
521209 - Chem - Polymers	27,428	104,905	104,905	82,500	(22,405)	-21.36%
521210 - Chem - Hypochlorite	6,720	28,110	28,110	28,800	690	2.45%
521211 - Chem - Sulfur Dioxide	16,841	-	15,000	-	-	0.00%
521212 - Chem - Liq Ferr Sulfate	69,747	137,075	137,075	167,255	30,180	22.02%
521214 - Chem - Caustic	7,114	21,465	21,465	22,080	615	2.87%
521215 - Chem - Bioxide	207,079	446,750	446,750	465,120	18,370	4.11%
521300 - Botanical Supplies	-	1,000	1,000	1,000	-	0.00%
521400 - Electrical Supplies	35,494	85,500	83,850	85,500	-	0.00%
521500 - Mechanical Supplies	52,576	54,350	134,350	57,850	3,500	6.44%
521700 - Building Supplies	3,682	26,000	26,000	26,000	-	0.00%

Expense Detail (continued)

Stewart Creek WWTP	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
Supplies (continued)						
521900 - Vehicle Supplies	\$ 986	\$ 1,000	\$ 1,500	\$ 1,000	\$ -	0.00%
521910 - Tires and Tubes	1,482	3,760	3,760	3,760	\$ -	0.00%
522000 - Equipment Supplies	27,928	11,525	14,525	11,525	\$ -	0.00%
522100 - Welding Supplies	472	750	750	750	\$ -	0.00%
522200 - Road Maint Supplies	-	1,000	1,000	1,000	\$ -	0.00%
523000 - Other Supplies	12,699	11,220	13,370	31,460	20,240	180.39%
Supplies Total	\$ 617,748	\$ 1,106,610	\$ 1,228,010	\$ 1,180,185	\$ 73,575	6.65%
Services						
530300 - Automotive Insurance	\$ 1,524	\$ 1,645	\$ 1,500	\$ 1,610	\$ (35)	-2.13%
530400 - Fire & Exten Cov Ins	1,827	2,130	2,095	2,480	350	16.43%
530900 - General Liability Ins	3,098	6,290	1,245	1,380	(4,910)	-78.06%
531000 - Telephone	3,295	3,840	3,840	3,120	(720)	-18.75%
531020 - Internet Service	3,090	20,280	20,280	23,940	3,660	18.05%
531100 - Electric Power	297,040	400,000	380,000	470,700	70,700	17.68%
531110 - Nat Gas, Butane & Kero	-	1,980	1,980	1,980	\$ -	0.00%
531120 - Retail Water Service	3,230	3,600	3,600	3,600	\$ -	0.00%
531200 - Bank Service Fees	320	15	365	180	165	1100.00%
531300 - Engin/Consultant Svc	-	-	2,500	-	-	0.00%
531310 - Special Studies & Rpts	-	2,000	2,000	5,000	3,000	150.00%
531400 - Legal Service	19,886	15,000	25,000	16,600	1,600	10.67%
531700 - Advertising	110	2,000	1,475	4,400	2,400	120.00%
531800 - Rent or Lease Payment	146,411	10,000	29,250	10,000	\$ -	0.00%
531900 - Travel and Training	4,385	6,075	6,075	7,075	1,000	16.46%
531910 - Education and Training	-	1,575	1,575	1,575	\$ -	0.00%
532000 - Mem & Subscriptions	-	380	905	2,860	2,480	652.63%
532100 - Vehicle Maint	291	530	1,030	3,530	3,000	566.04%
532110 - Veh Maint by Solid Waste	954	500	1,400	2,000	1,500	300.00%
532200 - Equipment Maintenance	44,990	81,565	29,460	51,420	(30,145)	-36.96%
532810 - Grounds Maint - Contract	1,140	7,020	7,020	7,020	\$ -	0.00%
532850 - Building Maintenance	-	-	-	6,550	6,550	0.00%
532900 - Electrical Sys Maint	-	102,500	43,500	127,475	24,975	24.37%
533000 - Other Services	45,186	143,950	134,950	140,950	(3,000)	-2.08%
533020 - Contract Labor	269	-	9,000	-	-	0.00%
533030 - Contractual Safety Serv	1,125	2,145	2,145	2,645	500	23.31%
533100 - Administration	35,845	36,330	36,330	8,320	(28,010)	-77.10%
533380 - Odor Control Crew	3,792	4,500	4,500	4,500	\$ -	0.00%
533500 - Lab Svc - Contract	6,547	10,810	10,810	10,810	\$ -	0.00%
533630 - Landfill Service Fees	154,437	340,200	252,200	340,200	\$ -	0.00%
533640 - Hauling Fees	62,375	112,455	70,050	113,290	835	0.74%
533900 - Permits, Ins, & Lic Fees	200	2,415	2,415	2,415	\$ -	0.00%
533910 - Permit Assessment Fees	28,290	55,260	29,660	46,955	(8,305)	-15.03%
Support Services	313,277	407,185	424,285	545,395	138,210	33.94%
Services Total	\$ 1,182,934	\$ 1,784,175	\$ 1,542,440	\$ 1,969,975	\$ 185,800	10.41%

Expense Detail (continued)

Stewart Creek WWTP	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
Capital Outlay						
540300 - Vehicle Equipment	\$ 26,607	\$ -	\$ -	\$ -	\$ -	0.00%
540500 - Machinery	\$ 6,795	\$ -	\$ 35,000	\$ -	\$ -	0.00%
540700 - Non-Vehicle Equipment	\$ 48,647	\$ 50,000	\$ 80,105	\$ 163,525	\$ 113,525	227.05%
Capital Outlay Total	\$ 82,049	\$ 50,000	\$ 115,105	\$ 163,525	\$ 113,525	227.05%
Escrow						
550700 - Prev Maint Escrow	\$ 20,000	\$ -	\$ -	\$ -	\$ -	0.00%
Escrow Total	\$ 20,000	\$ -	\$ -	\$ -	\$ -	0.00%
Debt Service						
571000 - Tsf to I & S	\$ 5,033,700	\$ 4,924,070	\$ 4,924,070	\$ 4,380,000	\$ (544,070)	-11.05%
579000 - Bond Service Fees	\$ 7,335	\$ 4,370	\$ 8,460	\$ 4,510	\$ 140	3.20%
Debt Service Total	\$ 5,041,035	\$ 4,928,440	\$ 4,932,530	\$ 4,384,510	\$ (543,930)	-11.04%
Grand Total	\$ 7,933,463	\$ 9,336,670	\$ 9,201,305	\$ 9,341,650	\$ 4,980	0.05%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$4,980 from the FY19 Original Budget. Major variances are explained below.

- Personnel increased due to adding a professional engineer and market / merit based adjustments.
- Supplies and Services increased overall because of the new administration building and plant expansion.
- Support Services increased due to a new allocation methodology.
- Non-Vehicle Equipment increased due to the purchase of electric actuators and self-cleaning weir equipment.
- Debt Service decreased due to lower payments for the upcoming year.

Muddy Creek Wastewater Treatment Plant

Position Summary

Muddy Creek WWTP		FY19	FY20	Difference
Full-Time Positions				
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	8.00	-
Wastewater Plant Operator III		4.00	4.00	-
Wastewater Plant Supervisor II		1.00	1.00	-
Wastewater Technician I		1.20	1.20	-
Total Full-Time Positions		19.38	19.38	-

Revenues and Expenses

Muddy Creek WWTP	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues						
Wastewater Sales						
420000-WWTP - Members	\$ 5,750,897	\$ 6,589,500	\$ 6,583,030	\$ 7,061,555	\$ 472,055	7.16%
Total Wastewater Sales	\$ 5,750,897	\$ 6,589,500	\$ 6,583,030	\$ 7,061,555	\$ 472,055	7.16%
Other						
440040-Recov of Prior Year Exp	\$ 6,197	\$ -	\$ -	\$ -	\$ -	0.00%
440100-Customers - Debt Svc	344,830	344,830	344,830	344,830	-	0.00%
440140-Master Card Rebates	1,783	-	-	-	-	0.00%
440999-Miscellaneous Revenue	100	-	-	-	-	0.00%
459100-Tfr from Escrow Fund	3,400	-	1,000	-	-	0.00%
Total Other	\$ 356,310	\$ 344,830	\$ 345,830	\$ 344,830	\$ -	0.00%
441000-Interest Income	\$ 13,312	\$ 11,360	\$ 11,360	\$ 24,220	\$ 12,860	113.20%
Revenues Total	\$ 6,120,518	\$ 6,945,690	\$ 6,940,220	\$ 7,430,605	\$ 484,915	6.98%
Expenses Total	\$ (6,120,518)	\$ (6,945,690)	\$ (6,940,220)	\$ (7,430,605)	\$ (484,915)	6.98%
Net Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%

Expense Detail

Muddy Creek WWTP	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
Personnel						
511000 - Supervision	\$ 119,567	\$ 123,285	\$ 125,950	\$ 132,155	\$ 8,870	7.19%
511020 - Clerical	20,861	42,760	34,725	46,455	3,695	8.64%
511030 - Skilled	786,904	873,880	865,000	929,295	55,415	6.34%
511060 - Overtime	95,634	60,000	90,000	70,000	10,000	16.67%
512000 - Social Security	79,500	78,690	81,635	84,760	6,070	7.71%
513000 - Workers' Comp Ins	29,598	29,585	29,530	30,280	695	2.35%
513020 - Hospitalization Ins	162,113	191,255	197,755	211,425	20,170	10.55%
513040 - Dental Ins	9,871	11,525	10,710	11,185	(340)	-2.95%
513060 - Life Ins	2,171	2,400	2,460	2,520	120	5.00%
514000 - Retirement	122,369	114,805	114,805	134,445	19,640	17.11%
514010 - Retiree - Insurance	24,190	23,420	23,420	23,455	35	0.15%
514020 - Comp Absences-vacation	1,575	5,000	5,000	4,145	(855)	-17.10%
514030 - Comp Absences-sick	6,195	4,370	4,370	3,460	(910)	-20.82%
515000 - Cell Phone Stipend	7,725	8,725	8,725	8,725	-	0.00%
Personnel Total	\$ 1,468,273	\$ 1,569,700	\$ 1,594,085	\$ 1,692,305	\$ 122,605	7.81%
Supplies						
520100 - Office Supplies	\$ 7,093	\$ 7,700	\$ 5,700	\$ 5,500	\$ (2,200)	-28.57%
520110 - Computer Supplies	9,878	12,985	10,985	23,030	10,045	77.36%
520200 - Xerox Supplies	5,611	1,500	1,350	1,500	-	0.00%
520300 - Clothing Supplies	8,668	13,160	13,160	13,860	700	5.32%
520600 - Fuel, Oil and Lube	5,538	6,430	6,430	6,430	-	0.00%
520610 - Generator Fuel	-	1,830	-	7,320	5,490	300.00%
520630 - Toll Fees	136	250	120	250	-	0.00%
520700 - Machine Oil & Lube	2,908	1,900	4,600	3,175	1,275	67.11%
520800 - Small Tools & Equip	31,829	20,500	20,500	34,000	13,500	65.85%
520810 - Fire Extinguishers	-	375	75	375	-	0.00%
520900 - Janitorial Supplies	1,723	2,000	1,845	2,060	60	3.00%
521000 - Laboratory Supplies	8,500	7,500	9,100	10,350	2,850	38.00%
521100 - Medical Supplies	-	200	200	555	355	177.50%
521110 - Safety Supplies	37,393	35,780	28,780	35,800	20	0.06%
521200 - Chem - Other	1,826	10,075	10,075	10,075	-	0.00%
521201 - Chem - Lime	30,998	45,560	37,560	43,740	(1,820)	-3.99%
521203 - Chem - Chlorine	1,486	1,495	5,980	2,340	845	56.52%
521209 - Chem - Polymers	98,095	139,500	90,000	80,500	(59,000)	-42.29%
521210 - Chem - Hypochlorite	6,535	6,835	4,500	7,000	165	2.41%
521212 - Chem - Liq Ferr Sulfate	98,866	97,560	97,560	138,145	40,585	41.60%
521214 - Chem - Caustic	9,648	7,155	5,600	7,360	205	2.87%
521300 - Botanical Supplies	910	1,500	170	1,500	-	0.00%
521400 - Electrical Supplies	102,502	83,640	59,640	105,640	22,000	26.30%
521500 - Mechanical Supplies	83,581	93,060	98,060	93,060	-	0.00%
521700 - Building Supplies	28,089	14,000	5,000	14,000	-	0.00%
521900 - Vehicle Supplies	2,904	2,900	1,000	2,900	-	0.00%

Expense Detail (continued)

Muddy Creek WWTP	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
Supplies (continued)						
521910 - Tires and Tubes	\$ 709	\$ 4,400	\$ 400	\$ 4,400	\$ -	0.00%
522000 - Equipment Supplies	2,721	3,825	1,325	3,825	\$ -	0.00%
522100 - Welding Supplies	(7)	500	100	500	\$ -	0.00%
523000 - Other Supplies	54,142	49,435	48,235	49,435	\$ -	0.00%
Supplies Total	\$ 642,282	\$ 673,550	\$ 568,050	\$ 708,625	\$ 35,075	5.21%
Services						
530300 - Automotive Insurance	\$ 1,480	\$ 1,600	\$ 1,440	\$ 1,550	\$ (50)	-3.13%
530400 - Fire & Exten Cov Ins	9,319	10,850	10,670	12,645	1,795	16.54%
530900 - General Liability Ins	1,192	1,180	2,030	2,185	1,005	85.17%
531000 - Telephone	49	-	-	-	-	0.00%
531020 - Internet Service	28,682	32,280	32,280	32,340	60	0.19%
531100 - Electric Power	278,300	251,600	251,600	321,300	69,700	27.70%
531200 - Bank Service Fees	4	60	60	175	115	191.67%
531300 - Engin/Consultant Svc	20,000	-	-	-	-	0.00%
531310 - Special Studies & Rpts	3,741	55,940	55,940	17,250	(38,690)	-69.16%
531400 - Legal Service	7,000	7,500	7,500	10,000	2,500	33.33%
531700 - Advertising	62	4,000	4,000	2,200	(1,800)	-45.00%
531800 - Rent or Lease Payment	1,873	3,850	4,000	4,050	200	5.19%
531900 - Travel and Training	7,108	5,700	5,700	6,950	1,250	21.93%
531910 - Education and Training	-	1,350	-	1,350	-	0.00%
532000 - Mem & Subscriptions	113	380	380	4,190	3,810	1002.63%
532100 - Vehicle Maint	87	2,560	3,150	2,560	-	0.00%
532110 - Veh Maint by Solid Waste	1,055	1,000	1,935	1,000	-	0.00%
532200 - Equipment Maintenance	36,061	76,030	138,705	78,280	2,250	2.96%
532810 - Grounds Maint - Contract	10,230	11,160	11,160	11,160	-	0.00%
532850 - Building Maintenance	-	-	-	800	800	0.00%
532900 - Electrical Sys Maint	-	45,500	6,500	50,000	4,500	9.89%
533000 - Other Services	55,891	58,500	136,045	58,500	-	0.00%
533030 - Contractual Safety Serv	-	550	550	3,300	2,750	500.00%
533100 - Administration	55,800	46,105	46,105	9,355	(36,750)	-79.71%
533380 - Odor Control Crew	1,446	3,000	3,000	3,000	-	0.00%
533500 - Lab Svc - Contract	8,800	9,880	9,880	9,880	-	0.00%
533630 - Landfill Service Fees	243,495	292,070	232,070	292,070	-	0.00%
533640 - Hauling Fees	96,796	73,525	80,225	96,390	22,865	31.10%
533900 - Permits, Ins, & Lic Fees	200	2,415	2,215	2,415	-	0.00%
533910 - Permit Assessment Fees	53,905	55,260	53,925	55,525	265	0.48%
Support Services	550,068	604,745	632,645	912,525	307,780	50.89%
Services Total	\$ 1,472,757	\$ 1,658,590	\$ 1,733,710	\$ 2,002,945	\$ 344,355	20.76%

Expense Detail (continued)

Muddy Creek WWTP	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
Capital Outlay						
540300 - Vehicle Equipment	\$ 16,806	\$ -	\$ -	\$ -	\$ -	0.00%
540500 - Machinery	126,787	373,490	311,810	207,000	(166,490)	-44.58%
540700 - Non-Vehicle Equipment	-	-	-	47,000	47,000	0.00%
542000 - Other Capital Outlay	249,403	100,000	177,205	153,000	53,000	53.00%
Capital Outlay Total	\$ 392,995	\$ 473,490	\$ 489,015	\$ 407,000	\$ (66,490)	-14.04%
Special Projects						
560000 - Special Projects	\$ -	\$ 15,000	\$ -	\$ 15,000	\$ -	0.00%
Special Projects Total	\$ -	\$ 15,000	\$ -	\$ 15,000	\$ -	0.00%
Debt Service						
571000 - Tsf to I & S	\$ 1,794,000	\$ 2,202,000	\$ 2,202,000	\$ 2,250,000	\$ 48,000	2.18%
574010 - DS Acquisition	344,830	344,830	344,830	344,830	-	0.00%
579000 - Bond Service Fees	5,380	8,530	8,530	9,900	1,370	16.06%
Debt Service Total	\$ 2,144,210	\$ 2,555,360	\$ 2,555,360	\$ 2,604,730	\$ 49,370	1.93%
Grand Total	\$ 6,120,518	\$ 6,945,690	\$ 6,940,220	\$ 7,430,605	\$ 484,915	6.98%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$484,915 from the FY19 Original Budget. Major variances are explained below.

- Personnel increased due to market / merit based adjustments.
- Small Tools & Equipment increased due to the purchase of a moisture analyzer and an analytical balance.
- Electrical Supplies increased as a result of the purchase of a deragger system for influent pumps.
- Electric Power increased based on historical trending.
- Support Services increased due to a new allocation methodology.

Seis Lagos Wastewater Treatment Plant

Revenues and Expenses

Seis Lagos WWTP	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues						
Wastewater Sales						
420000-WWTP - Members	\$ 178,876	\$ 199,120	\$ 198,215	\$ 213,640	\$ 14,520	7.29%
Total Wastewater Sales	\$ 178,876	\$ 199,120	\$ 198,215	\$ 213,640	\$ 14,520	7.29%
Other						
440040-Recov of Prior Year Exp	\$ 352	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	103	-	-	-	-	0.00%
440999-Miscellaneous Revenue	14	-	-	-	-	0.00%
Total Other	\$ 469	\$ -	\$ -	\$ -	\$ -	0.00%
441000-Interest Income	\$ 1,553	\$ 1,490	\$ 1,490	\$ 2,500	\$ 1,010	67.79%
Revenues Total	\$ 180,898	\$ 200,610	\$ 199,705	\$ 216,140	\$ 15,530	7.74%
Expenses Total	\$ (180,898)	\$ (200,610)	\$ (199,705)	\$ (216,140)	\$ (15,530)	7.74%
Net Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%

Expense Detail

Seis Lagos WWTP	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
Personnel						
Personnel						
511000 - Supervision	\$ 12,233	\$ 13,180	\$ 13,220	\$ 11,625	\$ (1,555)	-11.80%
511020 - Clerical	1,627	3,415	2,775	2,880	(535)	-15.67%
511030 - Skilled	23,483	27,900	27,120	28,725	825	2.96%
511060 - Overtime	4,275	4,800	6,300	4,800	-	0.00%
512000 - Social Security	2,973	3,400	3,385	3,305	(95)	-2.79%
513000 - Workers' Comp Ins	1,047	1,165	1,100	1,030	(135)	-11.59%
513020 - Hospitalization Ins	8,618	10,130	10,700	10,295	165	1.63%
513040 - Dental Ins	432	520	595	570	50	9.62%
513060 - Life Ins	90	110	105	95	(15)	-13.64%
514000 - Retirement	3,916	5,755	5,755	5,805	50	0.87%
514010 - Retiree - Insurance	775	1,175	1,175	1,015	(160)	-13.62%
514020 - Comp Absences-vacation	415	525	525	375	(150)	-28.57%
514030 - Comp Absences-sick	1,050	700	700	585	(115)	-16.43%
515000 - Cell Phone Stipend	318	380	380	300	(80)	-21.05%
Personnel Total	\$ 61,252	\$ 73,155	\$ 73,835	\$ 71,405	\$ (1,750)	-2.39%

Expense Detail (continued)

Seis Lagos WWTP	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
Supplies						
520300 - Clothing Supplies	\$ 319	\$ 595	\$ 595	\$ 550	\$ (45)	-7.56%
520700 - Machine Oil & Lube	116	400	200	400	-	0.00%
520800 - Small Tools & Equip	300	3,200	3,000	500	(2,700)	-84.38%
520810 - Fire Extinguishers	-	150	150	150	-	0.00%
521000 - Laboratory Supplies	4	-	-	-	-	0.00%
521110 - Safety Supplies	70	1,000	200	1,000	-	0.00%
521200 - Chem - Other	65	100	100	1,975	1,875	1875.00%
521203 - Chem - Chlorine	2,999	4,440	4,440	4,170	(270)	-6.08%
521400 - Electrical Supplies	4,285	1,500	9,600	1,500	-	0.00%
521500 - Mechanical Supplies	15,141	18,500	7,290	14,900	(3,600)	-19.46%
522000 - Equipment Supplies	41	2,025	825	2,025	-	0.00%
522200 - Road Maint Supplies	-	600	-	600	-	0.00%
523000 - Other Supplies	249	440	240	600	160	36.36%
523660 - Small Plants Supplies	8,349	10,730	10,730	9,715	(1,015)	-9.46%
Supplies Total	\$ 31,938	\$ 43,680	\$ 37,370	\$ 38,085	\$ (5,595)	-12.81%
Services						
530300 - Automotive Insurance	\$ 570	\$ 625	\$ 560	\$ 590	\$ (35)	-5.60%
530900 - General Liability Ins	36	45	40	45	-	0.00%
531000 - Telephone	899	1,200	800	1,200	-	0.00%
531020 - Internet Service	90	120	120	90	(30)	-25.00%
531100 - Electric Power	13,389	11,700	12,700	16,700	5,000	42.74%
531400 - Legal Service	157	3,000	475	3,300	300	10.00%
531700 - Advertising	-	100	-	100	-	0.00%
531800 - Rent or Lease Payment	305	100	400	100	-	0.00%
531900 - Travel and Training	-	-	10	-	-	0.00%
532200 - Equipment Maintenance	5,472	1,450	1,850	1,450	-	0.00%
532810 - Grounds Maint - Contract	1,210	1,455	1,455	1,455	-	0.00%
532900 - Electrical Sys Maint	-	5,000	-	1,675	(3,325)	-66.50%
533000 - Other Services	1,615	1,300	1,100	8,000	6,700	515.38%
533100 - Administration	2,125	2,255	2,255	445	(1,810)	-80.27%
533500 - Lab Svc - Contract	653	700	700	700	-	0.00%
533630 - Landfill Service Fees	774	270	1,420	270	-	0.00%
533640 - Hauling Fees	539	85	785	2,140	2,055	2417.65%
533660 - Small Plants Exp	1,231	1,745	1,745	7,385	5,640	323.21%
533670 - Hauling and Dewatering	15,251	14,000	15,000	5,320	(8,680)	-62.00%
533910 - Permit Assessment Fees	1,290	1,330	1,290	1,330	-	0.00%
Support Services	38,259	36,345	44,845	50,390	14,045	38.64%
Services Total	\$ 83,865	\$ 82,825	\$ 87,550	\$ 102,685	\$ 19,860	23.98%

Expense Detail (continued)

Seis Lagos WWTP	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
Capital Outlay						
543660 - Small Plants Capital	\$ 3,843	\$ -	\$ -	\$ 3,015	\$ 3,015	0.00%
Capital Outlay Total	\$ 3,843	\$ -	\$ -	\$ 3,015	\$ 3,015	0.00%
Escrow						
550660 - Rsv for Maintenance	\$ -	\$ 950	\$ 950	\$ 950	\$ -	0.00%
Escrow Total	\$ -	\$ 950	\$ 950	\$ 950	\$ -	0.00%
Grand Total	\$ 180,898	\$ 200,610	\$ 199,705	\$ 216,140	\$ 15,530	7.74%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$15,530 from the FY19 Original Budget. Major variances are explained below.

- Personnel decreased due to a reduction in the Small Plants allocation percentage.
- Electric Power increased based on historical trending.
- Other Services increased due to the bridge rehabilitation and fence repair.
- Hauling Fees increased because of the sludge phase separator transport to the landfill.
- Support Services increased due to a new allocation methodology.

Royse City Wastewater Treatment Plant

Revenues and Expenses

Royse City WWTP	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues						
Wastewater Sales						
420000-WWTP - Members	\$ 14,045	\$ 18,175	\$ 18,075	\$ 26,555	\$ 8,380	46.11%
Total Wastewater Sales	\$ 14,045	\$ 18,175	\$ 18,075	\$ 26,555	\$ 8,380	46.11%
Other						
440040-Recov of Prior Year Exp	\$ 26	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	\$ 3	\$ -	\$ -	\$ -	\$ -	0.00%
440999-Miscellaneous Revenue	\$ 2	\$ -	\$ -	\$ -	\$ -	0.00%
Total Other	\$ 31	\$ -	\$ -	\$ -	\$ -	0.00%
441000-Interest Income	\$ 65	\$ 50	\$ 50	\$ 120	\$ 70	140.00%
Revenues Total	\$ 14,140	\$ 18,225	\$ 18,125	\$ 26,675	\$ 8,450	46.36%
Expenses Total	\$ (14,140)	\$ (18,225)	\$ (18,125)	\$ (26,675)	\$ (8,450)	46.36%
Net Revenues	\$ -	0.00%				

Expense Detail

Royse City WWTP	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
Personnel						
511000 - Supervision						
511020 - Clerical	\$ 1,577	\$ 1,645	\$ 1,655	\$ 870	\$ (775)	-47.11%
511030 - Skilled	\$ 209	\$ 430	\$ 345	\$ 215	\$ (215)	-50.00%
511060 - Overtime	\$ 3,018	\$ 3,500	\$ 3,390	\$ 2,145	\$ (1,355)	-38.71%
512000 - Social Security	\$ 541	\$ 600	\$ 800	\$ 600	\$ -	0.00%
513000 - Workers' Comp Ins	\$ 381	\$ 420	\$ 425	\$ 245	\$ (175)	-41.67%
513020 - Hospitalization Ins	\$ 135	\$ 135	\$ 135	\$ 75	\$ (60)	-44.44%
513040 - Dental Ins	\$ 1,090	\$ 1,265	\$ 1,340	\$ 765	\$ (500)	-39.53%
513060 - Life Ins	\$ 55	\$ 60	\$ 75	\$ 35	\$ (25)	-41.67%
514000 - Retirement	\$ 11	\$ 15	\$ 10	\$ 5	\$ (10)	-66.67%
514010 - Retiree - Insurance	\$ 501	\$ 685	\$ 685	\$ 745	\$ 60	8.76%
514020 - Comp Absences-vacation	\$ 100	\$ 140	\$ 140	\$ 130	\$ (10)	-7.14%
514030 - Comp Absences-sick	\$ 55	\$ 60	\$ 60	\$ 50	\$ (10)	-16.67%
515000 - Cell Phone Stipend	\$ 135	\$ 95	\$ 95	\$ 75	\$ (20)	-21.05%
Personnel Total	\$ 7,847	\$ 9,090	\$ 9,195	\$ 5,980	\$ (3,110)	-34.21%
Supplies						
520300 - Clothing Supplies						
521110 - Safety Supplies	\$ 38	\$ 75	\$ 70	\$ 40	\$ (35)	-46.67%
521500 - Mechanical Supplies	\$ 9	\$ -	\$ 15	\$ -	\$ -	0.00%
523660 - Small Plants Supplies	\$ 3	\$ -	\$ -	\$ -	\$ -	0.00%
Supplies Total	\$ 1,070	\$ 1,340	\$ 1,340	\$ 725	\$ (615)	-45.90%

Expense Detail (continued)

Royse City WWTP	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
Services						
530300 - Automotive Insurance	\$ 67	\$ 75	\$ 75	\$ 80	\$ 5	6.67%
530900 - General Liability Ins	4	5	5	5	-	0.00%
531100 - Electric Power	103	120	120	110	(10)	-8.33%
531310 - Special Studies & Rpts	-	-	-	2,000	2,000	0.00%
531400 - Legal Service	(338)	1,900	1,795	5,000	3,100	163.16%
531700 - Advertising	-	100	-	4,000	3,900	3900.00%
532810 - Grounds Maint - Contract	1,956	2,180	2,180	2,155	(25)	-1.15%
533100 - Administration	225	255	255	40	(215)	-84.31%
533660 - Small Plants Exp	158	215	215	550	335	155.81%
533900 - Permits, Ins, & Lic Fees	-	-	-	2,015	2,015	0.00%
533910 - Permit Assessment Fees	1,460	1,500	1,490	1,505	5	0.33%
Support Services	1,045	1,370	1,370	2,245	875	63.87%
Services Total	\$ 4,679	\$ 7,720	\$ 7,505	\$ 19,705	\$ 11,985	155.25%
Capital Outlay						
543660 - Small Plants Capital	\$ 493	\$ -	\$ -	\$ 225	\$ 225	0.00%
Capital Outlay Total	\$ 493	\$ -	\$ -	\$ 225	\$ 225	0.00%
Grand Total	\$ 14,140	\$ 18,225	\$ 18,125	\$ 26,675	\$ 8,450	46.36%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$8,450 from the FY19 Original Budget. Major variances are explained below.

- Personnel and Supplies decreased due to a reduction in the Small Plants allocation percentage.
- Special Studies & Reports increased due to permit renewal application costs.
- Legal Service increased for permit-related legal services.
- Advertising increased because of required permit and bid notices.
- Permits, Inspection, & License Fees increased due to an increase in permit applications fees.

Farmersville Wastewater Treatment Plant

Revenues and Expenses

Farmersville WWTP	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues						
Wastewater Sales						
420000-WWTP - Members	\$ 317,861	\$ 373,170	\$ 370,935	\$ 478,305	\$ 105,135	28.17%
Total Wastewater Sales	\$ 317,861	\$ 373,170	\$ 370,935	\$ 478,305	\$ 105,135	28.17%
Other						
440040-Recov of Prior Year Exp	\$ 445	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	238	-	-	-	-	0.00%
440999-Miscellaneous Revenue	27	-	-	-	-	0.00%
Total Other	\$ 710	\$ -	\$ -	\$ -	\$ -	0.00%
441000-Interest Income	\$ 1,374	\$ 1,185	\$ 1,185	\$ 2,510	\$ 1,325	111.81%
Revenues Total	\$ 319,945	\$ 374,355	\$ 372,120	\$ 480,815	\$ 106,460	28.44%
Expenses Total	\$ (319,945)	\$ (374,355)	\$ (372,120)	\$ (480,815)	\$ (106,460)	28.44%
Net Revenues	\$ -	0.00%				

Expense Detail

Farmersville WWTP	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
Personnel						
Personnel						
511000 - Supervision	\$ 23,081	\$ 26,370	\$ 26,445	\$ 28,970	\$ 2,600	9.86%
511020 - Clerical	3,066	6,840	5,555	7,185	345	5.04%
511030 - Skilled	44,257	55,770	54,235	71,565	15,795	28.32%
511060 - Overtime	8,057	9,600	12,500	9,600	-	0.00%
512000 - Social Security	5,607	6,805	6,765	8,245	1,440	21.16%
513000 - Workers' Comp Ins	1,996	2,325	2,195	2,570	245	10.54%
513020 - Hospitalization Ins	15,654	20,255	21,405	25,665	5,410	26.71%
513040 - Dental Ins	804	1,025	1,195	1,420	395	38.54%
513060 - Life Ins	167	210	210	240	30	14.29%
514000 - Retirement	5,635	7,955	7,955	10,885	2,930	36.83%
514010 - Retiree - Insurance	1,115	1,625	1,625	1,900	275	16.92%
514020 - Comp Absences-vacation	780	720	720	795	75	10.42%
514030 - Comp Absences-sick	1,980	1,320	1,320	1,105	(215)	-16.29%
515000 - Cell Phone Stipend	583	720	720	760	40	5.56%
Personnel Total	\$ 112,783	\$ 141,540	\$ 142,845	\$ 170,905	\$ 29,365	20.75%

Expense Detail (continued)

Farmersville WWTP	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
Supplies						
520300 - Clothing Supplies	\$ 600	\$ 1,190	\$ 1,090	\$ 1,370	\$ 180	15.13%
520610 - Generator Fuel	-	610	210	600	(10)	-1.64%
520700 - Machine Oil & Lube	116	600	100	600	-	0.00%
520800 - Small Tools & Equip	146	150	200	11,550	11,400	7600.00%
520810 - Fire Extinguishers	-	150	-	150	-	0.00%
520900 - Janitorial Supplies	20	-	-	-	-	0.00%
521110 - Safety Supplies	142	500	350	500	-	0.00%
521200 - Chem - Other	4,596	6,085	5,885	7,600	1,515	24.90%
521203 - Chem - Chlorine	5,604	8,380	7,620	8,680	300	3.58%
521400 - Electrical Supplies	1,987	6,000	6,200	6,000	-	0.00%
521500 - Mechanical Supplies	15,191	12,650	18,150	12,650	-	0.00%
521700 - Building Supplies	978	-	310	-	-	0.00%
522000 - Equipment Supplies	738	3,050	6,155	3,050	-	0.00%
522200 - Road Maint Supplies	-	-	-	600	600	0.00%
523000 - Other Supplies	421	560	350	800	240	42.86%
523660 - Small Plants Supplies	15,740	21,455	11,455	24,215	2,760	12.86%
Supplies Total	\$ 46,279	\$ 61,380	\$ 58,075	\$ 78,365	\$ 16,985	27.67%
Services						
530300 - Automotive Insurance	\$ 2,533	\$ 2,615	\$ 2,685	\$ 2,115	\$ (500)	-19.12%
530900 - General Liability Ins	70	60	90	80	20	33.33%
531020 - Internet Service	348	420	420	390	(30)	-7.14%
531100 - Electric Power	49,207	42,800	41,800	45,000	2,200	5.14%
531120 - Retail Water Service	2,347	1,200	5,000	1,200	-	0.00%
531400 - Legal Service	2,598	3,500	250	3,000	(500)	-14.29%
531700 - Advertising	-	1,500	-	500	(1,000)	-66.67%
531800 - Rent or Lease Payment	-	500	-	500	-	0.00%
532200 - Equipment Maintenance	6,435	4,000	5,405	6,000	2,000	50.00%
532810 - Grounds Maint - Contract	1,705	2,050	2,050	2,050	-	0.00%
532900 - Electrical Sys Maint	-	8,400	-	3,675	(4,725)	-56.25%
533000 - Other Services	9,536	19,000	1,055	17,500	(1,500)	-7.89%
533030 - Contractual Safety Serv	-	-	-	2,750	2,750	0.00%
533100 - Administration	3,740	3,835	3,835	800	(3,035)	-79.14%
533500 - Lab Svc - Contract	1,306	2,100	2,100	2,100	-	0.00%
533630 - Landfill Service Fees	8,385	8,100	9,120	9,205	1,105	13.64%
533640 - Hauling Fees	4,598	5,240	5,240	5,280	40	0.76%
533660 - Small Plants Exp	2,319	3,485	3,485	18,405	14,920	428.12%
533910 - Permit Assessment Fees	4,376	4,490	4,380	4,510	20	0.45%
Support Services	\$ 46,062	\$ 58,140	\$ 84,285	\$ 78,970	\$ 20,830	35.83%
Services Total	\$ 145,564	\$ 171,435	\$ 171,200	\$ 204,030	\$ 32,595	19.01%

Expense Detail (continued)

Farmersville WWTP	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
Capital Outlay						
540500 - Machinery	\$ 8,076	\$ -	\$ -	\$ 20,000	\$ 20,000	0.00%
543660 - Small Plants Capital	7,243	-	-	7,515	7,515	0.00%
Capital Outlay Total	\$ 15,319	\$ -	\$ -	\$ 27,515	\$ 27,515	0.00%
Grand Total	\$ 319,945	\$ 374,355	\$ 372,120	\$ 480,815	\$ 106,460	28.44%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$106,460 from the FY19 Original Budget. Major variances are explained below.

- Personnel increased because of the additional Small Plants allocation percentage.
- Small Tools & Equipment increased to purchase a flow meter, a switch over system and drywell winch.
- Support Services increased due to a new allocation methodology.
- Machinery increased to purchase a replacement lift station pump.

Lavon (Bear Creek) Wastewater Treatment Plant

Revenues and Expenses

Lavon WWTP	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues						
Wastewater Sales						
420000-WWTP - Members	\$ 255,807	\$ 290,385	\$ 289,455	\$ 360,580	\$ 70,195	24.17%
Total Wastewater Sales	\$ 255,807	\$ 290,385	\$ 289,455	\$ 360,580	\$ 70,195	24.17%
Other						
440040-Recov of Prior Year Exp	\$ 352	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	113	-	-	-	-	0.00%
440999-Miscellaneous Revenue	18	-	-	-	-	0.00%
Total Other	\$ 483	\$ -	\$ -	\$ -	\$ -	0.00%
441000-Intest Income	\$ 1,223	\$ 1,095	\$ 1,095	\$ 2,525	\$ 1,430	130.59%
Revenues Total	\$ 257,512	\$ 291,480	\$ 290,550	\$ 363,105	\$ 71,625	24.57%
Expenses Total	\$ (257,512)	\$ (291,480)	\$ (290,550)	\$ (363,105)	\$ (71,625)	24.57%
Net Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%

Expense Detail

Lavon WWTP	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
Personnel						
511000 - Supervision						
511020 - Clerical	\$ 15,388	\$ 16,475	\$ 16,530	\$ 22,900	\$ 6,425	39.00%
511030 - Skilled	2,044	4,275	3,470	5,680	1,405	32.87%
511060 - Overtime	29,506	34,855	33,900	56,575	21,720	62.32%
512000 - Social Security	5,372	6,000	6,800	6,000	-	0.00%
513000 - Workers' Comp Ins	3,739	4,255	4,230	6,515	2,260	53.11%
513020 - Hospitalization Ins	1,326	1,455	1,375	2,035	580	39.86%
513040 - Dental Ins	10,550	12,665	13,375	20,285	7,620	60.17%
513060 - Life Ins	538	645	740	1,120	475	73.64%
514000 - Retirement	114	120	130	190	70	58.33%
514010 - Retiree - Insurance	3,896	5,870	5,870	7,260	1,390	23.68%
514020 - Comp Absences-vacation	770	1,195	1,195	1,265	70	5.86%
514030 - Comp Absences-sick	520	535	535	510	(25)	-4.67%
515000 - Cell Phone Stipend	1,320	880	880	735	(145)	-16.48%
Personnel Total	\$ 75,475	\$ 89,700	\$ 89,505	\$ 131,670	\$ 41,970	46.79%

Expense Detail (continued)

Lavon WWTP	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
Supplies						
520100 - Office Supplies	\$ 2	\$ -	\$ -	\$ -	\$ -	0.00%
520300 - Clothing Supplies	403	740	745	1,090	350	47.30%
520610 - Generator Fuel	391	320	320	315	(5)	-1.56%
520700 - Machine Oil & Lube	314	200	200	200	-	0.00%
520800 - Small Tools & Equip	3,574	3,300	3,000	500	(2,800)	-84.85%
520810 - Fire Extinguishers	-	150	150	150	-	0.00%
521110 - Safety Supplies	227	1,500	300	1,500	-	0.00%
521200 - Chem - Other	46	2,595	2,595	3,225	630	24.28%
521203 - Chem - Chlorine	2,650	2,960	2,960	3,050	90	3.04%
521400 - Electrical Supplies	4,809	2,000	7,000	2,000	-	0.00%
521500 - Mechanical Supplies	15,224	9,600	15,600	5,000	(4,600)	-47.92%
522000 - Equipment Supplies	6,741	2,025	415	2,025	-	0.00%
522200 - Road Maint Supplies	-	600	600	600	-	0.00%
523000 - Other Supplies	7,104	8,000	6,050	2,000	(6,000)	-75.00%
523660 - Small Plants Supplies	10,489	13,410	13,410	19,140	5,730	42.73%
Supplies Total	\$ 51,975	\$ 47,400	\$ 53,345	\$ 40,795	\$ (6,605)	-13.93%
Services						
530300 - Automotive Insurance	\$ 604	\$ 625	\$ 735	\$ 740	\$ 115	18.40%
530900 - General Liability Ins	45	45	50	55	10	22.22%
531020 - Internet Service	564	840	840	810	(30)	-3.57%
531310 - Special Studies & Rpts	26,953	5,000	5,000	-	(5,000)	-100.00%
531400 - Legal Service	6,822	5,000	5,000	5,500	500	10.00%
531700 - Advertising	2,992	3,100	3,100	500	(2,600)	-83.87%
531800 - Rent or Lease Payment	960	100	2,600	2,000	1,900	1900.00%
532200 - Equipment Maintenance	1,912	4,000	4,000	8,500	4,500	112.50%
532810 - Grounds Maint - Contract	726	880	880	880	-	0.00%
532900 - Electrical Sys Maint	-	8,400	8,400	2,675	(5,725)	-68.15%
533000 - Other Services	5,986	27,400	14,400	46,000	18,600	67.88%
533100 - Administration	2,140	2,660	2,660	605	(2,055)	-77.26%
533380 - Odor Control Crew	2,107	2,000	2,000	2,000	-	0.00%
533500 - Lab Svc - Contract	653	700	700	700	-	0.00%
533630 - Landfill Service Fees	233	5,400	5,400	5,400	-	0.00%
533640 - Hauling Fees	410	2,800	6,300	2,840	40	1.43%
533660 - Small Plants Exp	1,546	2,180	2,180	14,545	12,365	567.20%
533670 - Hauling and Dewatering	16,115	7,850	15,850	2,055	(5,795)	-73.82%
533900 - Permits, Ins, & Lic Fees	-	2,015	2,015	-	(2,015)	-100.00%
533910 - Permit Assessment Fees	1,250	1,290	1,290	3,000	1,710	132.56%
Support Services	46,124	55,095	55,095	66,895	11,800	21.42%
Services Total	\$ 118,141	\$ 137,380	\$ 138,495	\$ 165,700	\$ 28,320	20.61%

Expense Detail (continued)

Lavon WWTP	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
Capital Outlay						
540200 - Building	\$ -	\$ 5,000	\$ 5,000	\$ 5,000	\$ -	0.00%
540500 - Machinery	\$ 5,093	\$ 8,000	\$ 205	\$ 10,000	\$ 2,000	25.00%
543660 - Small Plants Capital	\$ 4,828	\$ -	\$ -	\$ 5,940	\$ 5,940	0.00%
Capital Outlay Total	\$ 9,922	\$ 13,000	\$ 5,205	\$ 20,940	\$ 7,940	61.08%
Escrow						
550660 - Rsv for Maintenance	\$ -	\$ 4,000	\$ 4,000	\$ 4,000	\$ -	0.00%
550700 - Prev Maint Escrow	\$ 2,000	\$ -	\$ -	\$ -	\$ -	0.00%
Escrow Total	\$ 2,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ -	0.00%
Grand Total	\$ 257,512	\$ 291,480	\$ 290,550	\$ 363,105	\$ 71,625	24.57%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$71,625 from the FY19 Original Budget. Major variances are explained below.

- Personnel increased because of the additional Small Plants allocation percentage.
- Other Supplies decreased due to lower need.
- Rent or Lease Payment increased due to crane rental needs when lift station pumps are clogged.
- Other Services increased because of structural rehabilitation.
- Machinery increased due to purchasing a replacement blower.

Small Wastewater Treatment Plants

Position Summary

Small WWTPs		FY19	FY20	Difference
Full-Time Positions				
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		2.0	3.0	1.0
Wastewater Plant Supervisor II		1.0	1.0	-
Total Full-Time Positions		9.5	10.5	1.0

Expense Detail

Small WWTPs	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
Supplies						
520100 - Office Supplies	\$ 1,506	\$ 7,800	\$ 7,800	\$ 4,500	\$ (3,300)	-42.31%
520110 - Computer Supplies	13,352	15,440	15,440	16,835	1,395	9.03%
520200 - Xerox Supplies	-	2,400	2,400	2,400	-	0.00%
520300 - Clothing Supplies	-	-	50	-	-	0.00%
520600 - Fuel, Oil and Lube	29,162	28,420	28,420	31,095	2,675	9.41%
520630 - Toll Fees	184	250	450	250	-	0.00%
520800 - Small Tools & Equip	9,258	14,000	15,480	19,000	5,000	35.71%
520810 - Fire Extinguishers	-	500	500	500	-	0.00%
520900 - Janitorial Supplies	186	1,000	1,000	1,000	-	0.00%
521000 - Laboratory Supplies	8,857	10,000	10,000	10,000	-	0.00%
521110 - Safety Supplies	29,155	31,800	29,540	37,415	5,615	17.66%
521500 - Mechanical Supplies	287	-	530	-	-	0.00%
521900 - Vehicle Supplies	7,637	8,800	8,800	8,800	-	0.00%
521910 - Tires and Tubes	5,252	9,200	9,200	9,200	-	0.00%
522000 - Equipment Supplies	127	1,500	1,500	1,000	(500)	-33.33%
523000 - Other Supplies	2,072	3,000	3,000	3,000	-	0.00%
Supplies Total	\$ 107,034	\$ 134,110	\$ 134,110	\$ 144,995	\$ 10,885	8.12%
Services						
531020 - Internet Service	\$ 6,103	\$ 7,200	\$ 10,200	\$ 7,200	\$ -	0.00%
531900 - Travel and Training	3,405	2,250	800	3,250	1,000	44.44%
531910 - Education and Training	-	750	750	750	-	0.00%
532000 - Mem & Subscriptions	-	190	600	190	-	0.00%
532100 - Vehicle Maint	353	5,000	1,090	5,000	-	0.00%
532110 - Veh Maint by Solid Waste	2,515	3,000	3,000	3,000	-	0.00%
533030 - Contractual Safety Serv	-	3,400	3,400	6,150	2,750	80.88%
533100 - Administration	-	-	-	55	55	0.00%
534000 - Uninsured losses	-	-	1,000	-	-	0.00%
Support Services	3,403	-	950	84,600	84,600	0.00%
Services Total	\$ 15,778	\$ 21,790	\$ 21,790	\$ 110,195	\$ 88,405	405.71%

Expense Detail (continued)

Small WWTPs	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
Capital Outlay						
540300 - Vehicle Equipment	\$ 49,269	\$ -	\$ -	\$ -	\$ -	0.00%
540500 - Machinery	-	-	-	45,000	45,000	0.00%
Capital Outlay Total	\$ 49,269	\$ -	\$ -	\$ 45,000	\$ 45,000	0.00%
Grand Total	\$ 172,081	\$ 155,900	\$ 155,900	\$ 300,190	\$ 144,290	92.55%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$144,290 from the FY19 Original Budget. Major variances are explained below.

- Travel and Training increased due to safety training.
- Small Tools & Equipment increased due to the acquisition of portable gas detectors.
- Safety Supplies increased due to the purchase of 3 self-contained breathing apparatus (SCBA) units.
- Contractual Safety Services increased due to annual inspections of fall protection equipment.
- Support Services increased due to a new allocation methodology.
- Machinery increased due to purchasing a replacement tractor.

Allocation of Expenses

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

Small Wastewater Treatment Plants	Allocated Amount
Wylie WWTP	\$ 1,500
South Rockwall (Buffalo Creek) WWTP	62,135
North Rockwall (Squabble Creek) WWTP	50,135
Sabine Creek WWTP	75,045
Seis Lagos WWTP	20,115
Royse City WWTP	1,500
Farmersville WWTP	50,135
Lavon WWTP	39,625
Total	\$ 300,190

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 2018 Flow Conveyed (Million Gallons)	Communities Served
Forney Interceptor	372	Forney
Lower East Fork Interceptor	560	Mesquite, Seagoville
Muddy Creek Interceptor	2,580	Wylie, Murphy
Parker Creek Interceptor	176	Royse City, Fate
Sabine Creek Interceptor	304	Royse City
Buffalo Creek Interceptor	1,472	Rockwall, Heath, Forney
McKinney Interceptor	1,375	McKinney
Mustang Creek Interceptor	366	Forney
Parker Creek Parallel Interceptor	98	Fate

FY2020 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, like the wastewater field operations community of practice meetings, 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	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues						
Wastewater Sales						
420000-Interceptor - Members	\$ 382,464	\$ 475,935	\$ 475,935	\$ 516,930	\$ 40,995	8.61%
Total Wastewater Sales	\$ 382,464	\$ 475,935	\$ 475,935	\$ 516,930	\$ 40,995	8.61%
Other						
440040-Recov of Prior Year Exp	\$ 119	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	123	-	-	-	-	0.00%
459100-Tfr from Escrow Fund	4,335	-	-	-	-	0.00%
Total Other	\$ 4,577	\$ -	\$ -	\$ -	\$ -	0.00%
441000-Interest Income	\$ 1,618	\$ 1,670	\$ 1,670	\$ 2,500	\$ 830	49.70%
Revenues Total	\$ 388,659	\$ 477,605	\$ 477,605	\$ 519,430	\$ 41,825	8.76%
Expenses Total	\$ (388,659)	\$ (477,605)	\$ (477,605)	\$ (519,430)	\$ (41,825)	8.76%
Net Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%

Expense Detail

Forney Interceptor	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
Supplies						
520610 - Generator Fuel						
	\$ 875	\$ 1,050	\$ 550	\$ 1,050	\$ -	0.00%
520700 - Machine Oil & Lube	4	100	100	100	-	0.00%
520800 - Small Tools & Equip	8,850	5,500	1,460	5,500	-	0.00%
520810 - Fire Extinguishers	-	110	110	110	-	0.00%
521110 - Safety Supplies	-	150	150	325	175	116.67%
521200 - Chem - Other	7,403	2,200	2,200	7,650	5,450	247.73%
521215 - Chem - Bioxide	88,110	77,740	86,350	86,710	8,970	11.54%
521400 - Electrical Supplies	4,116	5,000	4,000	5,000	-	0.00%
521500 - Mechanical Supplies	777	20,000	4,500	20,000	-	0.00%
521600 - Pipeline Supplies	26	1,000	1,000	1,000	-	0.00%
521700 - Building Supplies	-	100	220	100	-	0.00%
522000 - Equipment Supplies	270	1,775	775	750	(1,025)	-57.75%
522200 - Road Maint Supplies	-	1,200	1,200	1,200	-	0.00%
523000 - Other Supplies	140	150	75	150	-	0.00%
Supplies Total	\$ 110,571	\$ 116,075	\$ 102,690	\$ 129,645	\$ 13,570	11.69%

Expense Detail (continued)

Forney Interceptor	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
Services						
530900 - General Liability Ins	-	-	5	-	-	0.00%
531020 - Internet Service	\$ 90	\$ 120	\$ 120	\$ 2,590	\$ 2,470	2058.33%
531100 - Electric Power	36,067	26,400	46,400	56,950	30,550	115.72%
531310 - Special Studies & Rpts	152,998	69,000	69,000	25,000	(44,000)	-63.77%
531800 - Rent or Lease Payment	-	100	1,550	100	-	0.00%
532200 - Equipment Maintenance	7,710	10,000	7,000	12,000	2,000	20.00%
532220 - Pipeline Maintenance	-	28,750	13,750	28,750	-	0.00%
532230 - Facilities Maintenance	-	10,000	610	10,000	-	0.00%
532810 - Grounds Maint - Contract	1,584	9,585	10,585	9,585	-	0.00%
532900 - Electrical Sys Maint	-	10,400	10,400	10,850	450	4.33%
533000 - Other Services	1,117	500	5,390	500	-	0.00%
533030 - Contractual Safety Serv	-	-	-	2,200	2,200	0.00%
533100 - Administration	3,050	3,620	3,620	-	(3,620)	-100.00%
533380 - Odor Control Crew	9,164	3,500	4,075	5,000	1,500	42.86%
533630 - Landfill Service Fees	-	2,720	1,220	1,750	(970)	-35.66%
533680 - Conveyance System Exp	48,300	57,200	57,200	66,900	9,700	16.96%
Support Services	18,008	28,940	28,295	45,860	16,920	58.47%
Services Total	\$ 278,088	\$ 260,835	\$ 259,220	\$ 278,035	\$ 17,200	6.59%
Escrow						
550700 - Prev Maint Escrow	\$ -	\$ 100,695	\$ 115,695	\$ 111,750	\$ 11,055	10.98%
Escrow Total	\$ -	\$ 100,695	\$ 115,695	\$ 111,750	\$ 11,055	10.98%
Grand Total	\$ 388,659	\$ 477,605	\$ 477,605	\$ 519,430	\$ 41,825	8.76%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$41,825 from the FY19 Original Budget. Major variances are explained below.

- Chemicals increased based on current feed rates necessary for odor control measures.
- Electric Power increased based on historical trending.
- Special Studies & Reports decreased due to lower need.
- Support Services increased due to a new allocation methodology.

Lower East Fork Interceptor

Revenues and Expenses

Lower East Fork Interceptor	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues						
Wastewater Sales						
420000-Interceptor - Members	\$ 1,787,157	\$ 1,839,960	\$ 1,839,925	\$ 1,853,395	\$ 13,435	0.73%
Total Wastewater Sales	\$ 1,787,157	\$ 1,839,960	\$ 1,839,925	\$ 1,853,395	\$ 13,435	0.73%
Other						
440040-Recov of Prior Year Exp	\$ 119	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	107	-	-	-	-	0.00%
459100-Tfr from Escrow Fund	12,858	-	-	-	-	0.00%
Total Other	\$ 13,084	\$ -	\$ -	\$ -	\$ -	0.00%
441000-Interest Income	\$ 3,961	\$ 3,580	\$ 3,580	\$ 6,800	\$ 3,220	89.94%
Revenues Total	\$ 1,804,202	\$ 1,843,540	\$ 1,843,505	\$ 1,860,195	\$ 16,655	0.90%
Expenses Total	\$ (1,804,202)	\$ (1,843,540)	\$ (1,843,505)	\$ (1,860,195)	\$ (16,655)	0.90%
Net Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%

Expense Detail

Lower East Fork Interceptor	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
Supplies						
520610 - Generator Fuel						
520700 - Machine Oil & Lube	\$ 964	\$ 3,375	\$ 1,500	\$ 3,375	\$ -	0.00%
520800 - Small Tools & Equip	-	1,015	1,015	1,015	-	0.00%
520810 - Fire Extinguishers	6,672	5,500	3,210	5,500	-	0.00%
521110 - Safety Supplies	50	110	110	110	-	0.00%
521200 - Chem - Other	14	150	150	325	175	116.67%
521215 - Chem - Bioxide	-	1,540	1,540	1,700	160	10.39%
521400 - Electrical Supplies	39,125	64,000	60,000	64,000	-	0.00%
521500 - Mechanical Supplies	990	6,000	6,000	6,000	-	0.00%
521600 - Pipeline Supplies	431	22,000	17,070	22,000	-	0.00%
521700 - Building Supplies	539	250	250	250	-	0.00%
522000 - Equipment Supplies	-	100	100	100	-	0.00%
522200 - Road Maint Supplies	276	6,375	6,375	5,350	(1,025)	-16.08%
Supplies Total	\$ 49,062	\$ 111,415	\$ 98,320	\$ 110,725	\$ (690)	-0.62%

Expense Detail (continued)

Lower East Fork Interceptor	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
Services						
530400 - Fire & Exten Cov Ins	\$ 2,009	\$ 2,340	\$ 2,305	\$ 2,725	\$ 385	16.45%
530900 - General Liability Ins	-	-	5	-	-	0.00%
531020 - Internet Service	90	120	120	90	(30)	-25.00%
531100 - Electric Power	33,711	25,000	40,000	49,600	24,600	98.40%
531120 - Retail Water Service	656	4,200	4,200	1,200	(3,000)	-71.43%
531200 - Bank Service Fees	6	5	5	5	-	0.00%
531310 - Special Studies & Rpts	186,814	89,000	89,000	45,000	(44,000)	-49.44%
531800 - Rent or Lease Payment	-	100	4,630	1,000	900	900.00%
532200 - Equipment Maintenance	2,650	10,000	10,000	12,000	2,000	20.00%
532220 - Pipeline Maintenance	-	44,265	9,265	44,265	-	0.00%
532230 - Facilities Maintenance	-	10,000	7,120	10,000	-	0.00%
532810 - Grounds Maint - Contract	948	20,950	20,950	20,950	-	0.00%
532900 - Electrical Sys Maint	-	10,400	10,400	10,850	450	4.33%
533000 - Other Services	1,100	2,100	4,540	2,100	-	0.00%
533030 - Contractual Safety Serv	-	-	-	2,200	2,200	0.00%
533100 - Administration	4,965	4,760	4,760	905	(3,855)	-80.99%
533380 - Odor Control Crew	2,606	2,500	2,500	2,500	-	0.00%
533630 - Landfill Service Fees	-	640	640	640	-	0.00%
533680 - Conveyance System Exp	49,100	59,000	59,000	70,000	11,000	18.64%
Support Services	51,976	61,970	70,970	85,665	23,695	38.24%
Services Total	\$ 336,631	\$ 347,350	\$ 340,410	\$ 361,695	\$ 14,345	4.13%
Escrow						
550700 - Prev Maint Escrow	\$ 115,000	\$ 144,265	\$ 164,265	\$ 124,265	\$ (20,000)	-13.86%
Escrow Total	\$ 115,000	\$ 144,265	\$ 164,265	\$ 124,265	\$ (20,000)	-13.86%
Debt Service						
571000 - Tsf to I & S	\$ 1,299,000	\$ 1,236,000	\$ 1,236,000	\$ 1,259,000	\$ 23,000	1.86%
579000 - Bond Service Fees	4,510	4,510	4,510	4,510	-	0.00%
Debt Service Total	\$ 1,303,510	\$ 1,240,510	\$ 1,240,510	\$ 1,263,510	\$ 23,000	1.85%
Grand Total	\$ 1,804,202	\$ 1,843,540	\$ 1,843,505	\$ 1,860,195	\$ 16,655	0.90%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$16,655 from the FY19 Original Budget. Major variances are explained below.

- Safety Supplies increased to purchase a first aid kit.
- Equipment Supplies decreased due to lower need.
- Electric Power increased based on historical trending.
- Special Studies & Reports decreased due to lower need.

Muddy Creek Interceptor

Revenues and Expenses

Muddy Creek Interceptor	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues						
Wastewater Sales						
420000-Interceptor - Members	\$ 360,843	\$ 495,130	\$ 495,130	\$ 475,545	\$ (19,585)	-3.96%
Total Wastewater Sales	\$ 360,843	\$ 495,130	\$ 495,130	\$ 475,545	\$ (19,585)	-3.96%
Other						
440140-Master Card Rebates	\$ 80	\$ -	\$ -	\$ -	\$ -	0.00%
459100-Tfr from Escrow Fund	16,427	-	-	-	-	0.00%
Total Other	\$ 16,507	\$ -	\$ -	\$ -	\$ -	0.00%
441000-Interest Income	\$ 663	\$ 570	\$ 570	\$ 1,235	\$ 665	116.67%
Revenues Total	\$ 378,013	\$ 495,700	\$ 495,700	\$ 476,780	\$ (18,920)	-3.82%
Expenses Total	\$ (378,013)	\$ (495,700)	\$ (495,700)	\$ (476,780)	\$ 18,920	-3.82%
Net Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%

Expense Detail

Muddy Creek Interceptor	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
Supplies						
520300 - Clothing Supplies						
520800 - Small Tools & Equip	\$ -	\$ 170	\$ 170	\$ -	\$ (170)	-100.00%
521200 - Chem - Other	-	5,500	2,500	5,500	-	0.00%
521215 - Chem - Bioxide	56,456	43,520	53,520	47,690	4,170	9.58%
521400 - Electrical Supplies	-	500	500	500	-	0.00%
521500 - Mechanical Supplies	-	250	250	250	-	0.00%
521600 - Pipeline Supplies	-	250	250	250	-	0.00%
522000 - Equipment Supplies	-	1,025	25	-	(1,025)	-100.00%
Supplies Total	\$ 56,456	\$ 54,735	\$ 60,735	\$ 57,760	\$ 3,025	5.53%
Services						
531020 - Internet Service						
531100 - Electric Power	\$ 90	\$ 120	\$ 120	\$ 90	\$ (30)	-25.00%
531200 - Bank Service Fees	257	265	265	265	-	0.00%
531310 - Special Studies & Rpts	1	5	5	5	-	0.00%
531800 - Rent or Lease Payment	15,925	-	505	-	-	0.00%
532220 - Pipeline Maintenance	-	100	100	100	-	0.00%
532810 - Grounds Maint - Contract	22,500	1,890	22,500	-	-	0.00%
533000 - Other Services	-	5,000	5,000	5,000	-	0.00%
533100 - Administration	850	-	-	-	-	0.00%
533380 - Odor Control Crew	1,215	1,040	1,040	1,205	165	15.87%
533680 - Conveyance System Exp	477	500	500	750	250	50.00%
Support Services	4,600	4,800	4,800	5,000	200	4.17%
Services Total	\$ 10,932	\$ 13,425	\$ 15,530	\$ 15,595	\$ 2,170	16.16%

Expense Detail (continued)

Muddy Creek Interceptor	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
Escrow						
550700 - Prev Maint Escrow	\$ 40,000	\$ 140,000	\$ 152,000	\$ 128,000	\$ (12,000)	-8.57%
Escrow Total	\$ 40,000	\$ 140,000	\$ 152,000	\$ 128,000	\$ (12,000)	-8.57%
Debt Service						
571000 - Ts to I & S	\$ 242,700	\$ 248,700	\$ 248,700	\$ 235,750	\$ (12,950)	-5.21%
579000 - Bond Service Fees	4,510	4,510	4,510	4,760	250	5.54%
Debt Service Total	\$ 247,210	\$ 253,210	\$ 253,210	\$ 240,510	\$ (12,700)	-5.02%
Grand Total	\$ 378,013	\$ 495,700	\$ 495,700	\$ 476,780	\$ (18,920)	-3.82%

Major FY20 Budget Items

The department's FY20 Proposed Budget has decreased by \$18,920 from the FY19 Original Budget. Major variances are explained below.

- Chemicals increased based on current feed rates necessary for odor control measures.
- Odor Control Crew increased due to current costs to control odors.
- Support Services increased due to a new allocation methodology.
- Preventative Maintenance decreased due to lower need.
- Debt Service decreased as a result of a surplus in the Reserve Fund being transferred and decreasing the debt service payment.

Parker Creek Interceptor

Revenues and Expenses

Parker Creek Interceptor	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues						
Wastewater Sales						
420000-Interceptor - Members	\$ 276,882	\$ 478,470	\$ 476,965	\$ 468,285	\$ (10,185)	-2.13%
Total Wastewater Sales	\$ 276,882	\$ 478,470	\$ 476,965	\$ 468,285	\$ (10,185)	-2.13%
Other						
440140-Master Card Rebates	\$ 15	\$ -	\$ -	\$ -	\$ -	0.00%
459100-Tfr from Escrow Fund	12,000	-	-	-	-	0.00%
Total Other	\$ 12,015	\$ -	\$ -	\$ -	\$ -	0.00%
441000-Interest Income	\$ 463	\$ 440	\$ 440	\$ 1,300	\$ 860	195.45%
Revenues Total	\$ 289,360	\$ 478,910	\$ 477,405	\$ 469,585	\$ (9,325)	-1.95%
Expenses Total	\$ (289,360)	\$ (478,910)	\$ (477,405)	\$ (469,585)	\$ 9,325	-1.95%
Net Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%

Expense Detail

Parker Creek Interceptor	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
Supplies						
520300 - Clothing Supplies						
520800 - Small Tools & Equip	\$ -	\$ 165	\$ 165	\$ -	\$ (165)	-100.00%
521400 - Electrical Supplies	5,488	\$ 2,050	\$ 1,610	\$ 2,050	-	0.00%
521500 - Mechanical Supplies	-	\$ 250	\$ 250	\$ 250	-	0.00%
521600 - Pipeline Supplies	-	\$ 100	\$ 100	\$ 100	-	0.00%
522000 - Equipment Supplies	13,363	\$ 1,025	\$ 5,375	\$ 1,025	-	0.00%
522200 - Road Maint Supplies	-	\$ 1,800	\$ 1,800	\$ 1,800	-	0.00%
Supplies Total	\$ 18,851	\$ 10,890	\$ 9,695	\$ 10,725	\$ (165)	-1.52%
Services						
530900 - General Liability Ins						
531020 - Internet Service	\$ 270	\$ 360	\$ 360	\$ 270	\$ (90)	-25.00%
531100 - Electric Power	264	\$ 275	\$ 275	\$ 270	\$ (5)	-1.82%
531200 - Bank Service Fees	1	\$ 5	\$ 5	\$ 5	-	0.00%
531800 - Rent or Lease Payment	-	\$ 100	\$ 100	\$ 100	-	0.00%
532200 - Equipment Maintenance	-	\$ 100	\$ 100	\$ 100	-	0.00%
532220 - Pipeline Maintenance	-	\$ 24,250	\$ 19,675	\$ 24,250	-	0.00%
532810 - Grounds Maint - Contract	-	\$ 5,000	\$ 5,000	\$ 5,000	-	0.00%
533000 - Other Services	-	-	\$ 4,465	-	-	0.00%
533100 - Administration	280	\$ 455	\$ 455	\$ 335	\$ (120)	-26.37%
533380 - Odor Control Crew	-	\$ 100	\$ 100	\$ 750	\$ 650	650.00%
533680 - Conveyance System Exp	16,200	\$ 17,000	\$ 17,000	\$ 17,900	\$ 900	5.29%
Support Services	13,154	\$ 12,820	\$ 14,030	\$ 15,575	\$ 2,755	21.49%
Services Total	\$ 30,218	\$ 60,560	\$ 61,815	\$ 64,830	\$ 4,270	7.05%

Expense Detail (continued)

Parker Creek Interceptor	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
Escrow						
550700 - Prev Maint Escrow	\$ 17,000	\$ 183,920	\$ 183,920	\$ 183,920	\$ -	0.00%
Escrow Total	\$ 17,000	\$ 183,920	\$ 183,920	\$ 183,920	\$ -	0.00%
Debt Service						
571000 - Ts to I & S	\$ 218,000	\$ 216,240	\$ 216,240	\$ 205,600	\$ (10,640)	-4.92%
579000 - Bond Service Fees	5,290	7,300	5,735	4,510	(2,790)	-38.22%
Debt Service Total	\$ 223,290	\$ 223,540	\$ 221,975	\$ 210,110	\$ (13,430)	-6.01%
Grand Total	\$ 289,360	\$ 478,910	\$ 477,405	\$ 469,585	\$ (9,325)	-1.95%

Major FY20 Budget Items

The department's FY20 Proposed Budget has decreased by \$9,325 from the FY19 Original Budget. Major variances are explained below.

- Debt Service decreased due to a surplus in the Reserve Fund being transferred over for the Debt Service payment.
- Odor Control Crew increased due to current costs to control odors.
- Support Services increased due to a new allocation methodology.

Sabine Creek Interceptor

Revenues and Expenses

Sabine Creek Interceptor	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues						
Wastewater Sales						
420000-Interceptor - Members	\$ 187,415	\$ 322,085	\$ 320,520	\$ 305,485	\$ (16,600)	-5.15%
Total Wastewater Sales	\$ 187,415	\$ 322,085	\$ 320,520	\$ 305,485	\$ (16,600)	-5.15%
441000-Interest Income	\$ 196	\$ 165	\$ 165	\$ 940	\$ 775	469.70%
Revenues Total	\$ 187,611	\$ 322,250	\$ 320,685	\$ 306,425	\$ (15,825)	-4.91%
Expenses Total	\$ (187,611)	\$ (322,250)	\$ (320,685)	\$ (306,425)	\$ 15,825	-4.91%
Net Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%

Expense Detail

Sabine Creek Interceptor	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
Supplies						
520300 - Clothing Supplies	\$ -	\$ 165	\$ 165	\$ -	\$ (165)	-100.00%
520800 - Small Tools & Equip	\$ -	\$ 2,500	\$ 230	\$ 2,500	\$ -	0.00%
521500 - Mechanical Supplies	\$ -	\$ 50	\$ 50	\$ 50	\$ -	0.00%
521600 - Pipeline Supplies	\$ 660	\$ 400	\$ 400	\$ 400	\$ -	0.00%
Supplies Total	\$ 660	\$ 3,115	\$ 845	\$ 2,950	\$ (165)	-5.30%
Services						
531200 - Bank Service Fees	\$ 1	\$ 5	\$ 5	\$ 5	\$ -	0.00%
531310 - Special Studies & Rpts	\$ -	\$ -	\$ 13,740	\$ -	\$ -	0.00%
531800 - Rent or Lease Payment	\$ -	\$ 100	\$ 100	\$ 100	\$ -	0.00%
532220 - Pipeline Maintenance	\$ -	\$ 22,500	\$ -	\$ 22,500	\$ -	0.00%
532810 - Grounds Maint - Contract	\$ -	\$ 5,000	\$ 5,000	\$ 5,000	\$ -	0.00%
533100 - Administration	\$ 95	\$ 110	\$ 110	\$ 265	\$ 155	140.91%
533380 - Odor Control Crew	\$ -	\$ 100	\$ 100	\$ 750	\$ 650	650.00%
533680 - Conveyance System Exp	\$ 3,600	\$ 3,800	\$ 3,800	\$ 4,000	\$ 200	5.26%
Support Services	\$ 3,245	\$ 3,930	\$ 4,960	\$ 3,945	\$ 15	0.38%
Services Total	\$ 6,941	\$ 35,545	\$ 27,815	\$ 36,565	\$ 1,020	2.87%
Escrow						
550700 - Prev Maint Escrow	\$ -	\$ 102,500	\$ 112,500	\$ 97,500	\$ (5,000)	-4.88%
Escrow Total	\$ -	\$ 102,500	\$ 112,500	\$ 97,500	\$ (5,000)	-4.88%
Debt Service						
571000 - Tsf to I & S	\$ 175,500	\$ 175,800	\$ 175,800	\$ 164,900	\$ (10,900)	-6.20%
579000 - Bond Service Fees	\$ 4,510	\$ 5,290	\$ 3,725	\$ 4,510	\$ (780)	-14.74%
Debt Service Total	\$ 180,010	\$ 181,090	\$ 179,525	\$ 169,410	\$ (11,680)	-6.45%
Grand Total	\$ 187,611	\$ 322,250	\$ 320,685	\$ 306,425	\$ (15,825)	-4.91%

Major FY20 Budget Items

The department's FY20 Proposed Budget has decreased by \$15,825 from the FY19 Original Budget. Major variances are explained below.

- Odor Control Crew increased due to current costs to control odors.
- Preventative Maintenance decreased due to lower need.
- Debt Service decreased due to a surplus in the Reserve Fund being transferred over for the Debt Service payment.

Buffalo Creek Interceptor

Revenues and Expenses

Buffalo Creek Interceptor	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues						
Wastewater Sales						
420000-Interceptor - Members	\$ 1,969,293	\$ 3,016,300	\$ 3,016,300	\$ 2,575,190	\$ (441,110)	-14.62%
Total Wastewater Sales	\$ 1,969,293	\$ 3,016,300	\$ 3,016,300	\$ 2,575,190	\$ (441,110)	-14.62%
Other						
440040-Recov of Prior Year Exp	\$ 116	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	214	-	-	-	-	0.00%
440999-Miscellaneous Revenue	250	-	-	-	-	0.00%
Total Other	\$ 580	\$ -	\$ -	\$ -	\$ -	0.00%
441000-Interest Income	\$ 4,039	\$ 3,665	\$ 3,665	\$ 10,920	\$ 7,255	197.95%
Revenues Total	\$ 1,973,913	\$ 3,019,965	\$ 3,019,965	\$ 2,586,110	\$ (433,855)	-14.37%
Expenses Total	\$ (1,973,913)	\$ (3,019,965)	\$ (3,019,965)	\$ (2,586,110)	\$ 433,855	-14.37%
Net Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%

Expense Detail

Buffalo Creek Interceptor	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
Supplies						
520300 - Clothing Supplies						
520610 - Generator Fuel	\$ -	\$ 1,175	\$ 795	\$ 1,175	\$ -	0.00%
520700 - Machine Oil & Lube	23	230	230	230	\$ -	0.00%
520800 - Small Tools & Equip	6,549	8,000	3,000	8,000	\$ -	0.00%
520810 - Fire Extinguishers	-	110	110	110	\$ -	0.00%
521110 - Safety Supplies	-	150	150	325	\$ 175	116.67%
521200 - Chem - Other	1,035	3,750	3,750	4,250	\$ 500	13.33%
521215 - Chem - Bioxide	47,175	102,400	102,400	75,300	\$ (27,100)	-26.46%
521400 - Electrical Supplies	6,911	10,500	18,500	10,500	\$ -	0.00%
521500 - Mechanical Supplies	11,149	20,000	8,680	20,000	\$ -	0.00%
521600 - Pipeline Supplies	150	10,000	10,000	10,000	\$ -	0.00%
521700 - Building Supplies	8	100	100	100	\$ -	0.00%
522000 - Equipment Supplies	1,324	2,025	2,025	2,025	\$ -	0.00%
522200 - Road Maint Supplies	144	600	600	600	\$ -	0.00%
Supplies Total	\$ 75,194	\$ 159,040	\$ 150,340	\$ 132,615	\$ (26,425)	-16.62%

Expense Detail (continued)

Buffalo Creek Interceptor	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
Services						
530400 - Fire & Exten Cov Ins	\$ 2,757	\$ 3,210	\$ 3,160	\$ 3,740	\$ 530	16.51%
530900 - General Liability Ins	440	-	2,390	1,940	1,940	0.00%
531020 - Internet Service	540	720	720	540	(180)	-25.00%
531100 - Electric Power	56,361	43,900	54,900	75,300	31,400	71.53%
531120 - Retail Water Service	596	720	720	720	-	0.00%
531200 - Bank Service Fees	4	55	55	60	5	9.09%
531310 - Special Studies & Rpts	177,590	89,000	89,000	45,000	(44,000)	-49.44%
531900 - Travel and Training	39	-	-	-	-	0.00%
532200 - Equipment Maintenance	2,225	10,000	5,000	12,000	2,000	20.00%
532220 - Pipeline Maintenance	73	48,750	23,750	48,750	-	0.00%
532230 - Facilities Maintenance	-	10,000	5,000	10,000	-	0.00%
532810 - Grounds Maint-Contract	1,980	26,980	26,980	26,980	-	0.00%
532900 - Electrical Sys Maint	-	10,400	12,200	10,850	450	4.33%
533000 - Other Services	10,557	10,000	7,360	10,000	-	0.00%
533030 - Contractual Safety Serv	-	-	-	2,200	2,200	0.00%
533100 - Administration	3,815	4,990	4,990	120	(4,870)	-97.60%
533380 - Odor Control Crew	1,139	1,000	3,300	2,000	1,000	100.00%
533630 - Landfill Service Fees	-	2,625	2,025	2,625	-	0.00%
533680 - Conveyance System Exp	57,600	74,900	74,900	93,800	18,900	25.23%
Support Services	29,884	39,040	43,540	147,580	108,540	278.02%
Services Total	\$ 345,599	\$ 376,290	\$ 359,990	\$ 494,205	\$ 117,915	31.34%
Escrow						
550700 - Prev Maint Escrow	\$ 115,000	\$ 115,000	\$ 140,000	\$ 198,750	\$ 83,750	72.83%
Escrow Total	\$ 115,000	\$ 115,000	\$ 140,000	\$ 198,750	\$ 83,750	72.83%
Debt Service						
571000 - Tsf to I & S	\$ 1,434,000	\$ 2,361,000	\$ 2,361,000	\$ 1,750,000	\$ (611,000)	-25.88%
579000 - Bond Service Fees	4,120	8,635	8,635	10,540	1,905	22.06%
Debt Service Total	\$ 1,438,120	\$ 2,369,635	\$ 2,369,635	\$ 1,760,540	\$ (609,095)	-25.70%
Grand Total	\$ 1,973,913	\$ 3,019,965	\$ 3,019,965	\$ 2,586,110	\$ (433,855)	-14.37%

Major FY20 Budget Items

The department's FY20 Proposed Budget has decreased by \$433,855 from the FY19 Original Budget. Major variances are explained below.

- Chemical - Bioxide decreased based on the current rate of usage.
- Electric Power increased based on historical trending.
- Support Services increased due to a new allocation methodology.
- Preventative Maintenance Escrow increased for future maintenance or emergency repairs.
- Debt Service decreased due to excess I&S Fund balances but partially offset due to the issuance of debt for the following:
 - Buffalo Creek Parallel Interceptor Phase I - Construction & Inspection.
 - Buffalo Creek Force Main Parallel - Design & Property.
 - Buffalo Creek Lift Station Expansion - Design.

McKinney Interceptor

Revenues and Expenses

McKinney Interceptor	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues						
Wastewater Sales						
420000-Interceptor - Members	\$ 5,793	\$ 204,335	\$ 204,335	\$ 199,995	\$ (4,340)	-2.12%
Total Wastewater Sales	\$ 5,793	\$ 204,335	\$ 204,335	\$ 199,995	\$ (4,340)	-2.12%
Other						
440999-Miscellaneous Revenue	\$ 8	\$ -	\$ -	\$ -	\$ -	0.00%
459100-Tfr from Escrow Fund	-	-	-	200,000	200,000	0.00%
Total Other	\$ 8	\$ -	\$ -	\$ 200,000	\$ 200,000	0.00%
441000-Interest Income	\$ 38	\$ 40	\$ 40	\$ 680	\$ 640	1600.00%
Revenues Total	\$ 5,839	\$ 204,375	\$ 204,375	\$ 400,675	\$ 196,300	96.05%
Expenses Total	\$ (5,839)	\$ (204,375)	\$ (204,375)	\$ (400,675)	\$ (196,300)	96.05%
Net Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%

Expense Detail

McKinney Interceptor	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
Supplies						
520800 - Small Tools & Equip	\$ -	\$ 2,500	\$ 2,500	\$ 2,500	\$ -	0.00%
521400 - Electrical Supplies	-	200	200	200	-	0.00%
521500 - Mechanical Supplies	-	135	135	135	-	0.00%
521600 - Pipeline Supplies	-	100	100	100	-	0.00%
Supplies Total	\$ -	\$ 2,935	\$ 2,935	\$ 2,935	\$ -	0.00%
Services						
531100 - Electric Power	\$ 322	\$ 350	\$ 350	\$ 350	\$ -	0.00%
531310 - Special Studies & Rpts	-	-	-	40,000	40,000	0.00%
531800 - Rent or Lease Payment	-	100	100	100	-	0.00%
532200 - Equipment Maintenance	-	300	300	300	-	0.00%
532220 - Pipeline Maintenance	-	22,500	-	222,500	200,000	888.89%
532810 - Grounds Maint - Contract	-	5,000	5,000	5,000	-	0.00%
533100 - Administration	60	65	65	1,265	1,200	1846.15%
533380 - Odor Control Crew	-	320	320	750	430	134.38%
Support Services	577	925	925	1,475	550	59.46%
Services Total	\$ 959	\$ 29,560	\$ 7,060	\$ 271,740	\$ 242,180	819.28%
Escrow						
550660 - Rsv for Maintenance	\$ 4,880	\$ -	\$ -	\$ -	\$ -	0.00%
550700 - Prev Maint Escrow	-	171,880	194,380	126,000	(45,880)	-26.69%
Escrow Total	\$ 4,880	\$ 171,880	\$ 194,380	\$ 126,000	\$ (45,880)	-26.69%
Grand Total	\$ 5,839	\$ 204,375	\$ 204,375	\$ 400,675	\$ 196,300	96.05%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$196,300 from the FY19 Original Budget. Major variances are explained below.

- Special Studies & Reports increased because of CMOM implementation for pipeline inspection and cleaning.
- Pipeline Maintenance increased due to pipeline inspection and cleaning per the 10 year plan.
- Preventative Maintenance Escrow decreased due to a reduction in the transfer amount.

Mustang Creek Interceptor

Revenues and Expenses

Mustang Creek Interceptor	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues						
Wastewater Sales						
420000-Interceptor - Members	\$ 615,039	\$ 1,677,240	\$ 1,676,080	\$ 1,509,055	\$ (168,185)	-10.03%
Total Wastewater Sales	\$ 615,039	\$ 1,677,240	\$ 1,676,080	\$ 1,509,055	\$ (168,185)	-10.03%
Other						
440040-Recov of Prior Year Exp	\$ 35	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	5	-	-	-	-	0.00%
Total Other	\$ 40	\$ -	\$ -	\$ -	\$ -	0.00%
441000-Interest Income	\$ 4,801	\$ 3,345	\$ 3,345	\$ 7,320	\$ 3,975	118.83%
Revenues Total	\$ 619,880	\$ 1,680,585	\$ 1,679,425	\$ 1,516,375	\$ (164,210)	-9.77%
Expenses Total	\$ (619,880)	\$ (1,680,585)	\$ (1,679,425)	\$ (1,516,375)	\$ 164,210	-9.77%
Net Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%

Expense Detail

Mustang Creek Interceptor	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
Supplies						
520300 - Clothing Supplies						
520800 - Small Tools & Equip	\$ 1,725	\$ 5,500	\$ 3,430	\$ 5,500	\$ -	0.00%
521500 - Mechanical Supplies	-	100	100	100	-	0.00%
521600 - Pipeline Supplies	-	550	550	550	-	0.00%
Supplies Total	\$ 1,725	\$ 6,315	\$ 4,245	\$ 6,150	\$ (165)	-2.61%
Services						
530900 - General Liability Ins						
531200 - Bank Service Fees	\$ 1	\$ 55	\$ 55	\$ 60	\$ 5	9.09%
531310 - Special Studies & Rpts	\$ 3,052	\$ -	\$ 75	\$ -	\$ -	0.00%
531800 - Rent or Lease Payment	-	100	-	100	-	0.00%
532220 - Pipeline Maintenance	-	22,500	-	22,500	-	0.00%
532810 - Grounds Maint - Contract	-	8,000	8,000	8,000	-	0.00%
533100 - Administration	\$ 155	\$ 435	\$ 435	\$ 165	\$ (270)	-62.07%
533380 - Odor Control Crew	\$ 1,160	\$ 500	\$ 500	\$ 1,500	\$ 1,000	200.00%
533680 - Conveyance System Exp	\$ 7,100	\$ 7,500	\$ 7,500	\$ 7,900	\$ 400	5.33%
Support Services	\$ 819	\$ 1,970	\$ 2,370	\$ 46,080	\$ 44,110	2239.09%
Services Total	\$ 13,030	\$ 42,005	\$ 22,430	\$ 90,185	\$ 48,180	114.70%

Expense Detail (continued)

Mustang Creek Interceptor	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
Escrow						
550700 - Prev Maint Escrow	\$ 33,880	\$ 89,730	\$ 112,230	\$ 67,230	\$ (22,500)	-25.08%
Escrow Total	\$ 33,880	\$ 89,730	\$ 112,230	\$ 67,230	\$ (22,500)	-25.08%
Capital Improvement						
573010 - Tsf to Capital Impr	\$ 513,000	\$ -	\$ -	\$ -	\$ -	0.00%
Capital Improvement Total	\$ 513,000	\$ -	\$ -	\$ -	\$ -	0.00%
Debt Service						
571000 - Tsf to I & S	\$ 54,000	\$ 1,536,000	\$ 1,536,000	\$ 1,347,000	\$ (189,000)	-12.30%
579000 - Bond Service Fees	4,245	6,535	4,520	5,810	(725)	-11.09%
Debt Service Total	\$ 58,245	\$ 1,542,535	\$ 1,540,520	\$ 1,352,810	\$ (189,725)	-12.30%
Grand Total	\$ 619,880	\$ 1,680,585	\$ 1,679,425	\$ 1,516,375	\$ (164,210)	-9.77%

Major FY20 Budget Items

The department's FY20 Proposed Budget has decreased by \$164,210 from the FY19 Original Budget. Major variances are explained below.

- General Liability Insurance increased because of the completion of construction projects.
- Odor Control Crew increased as a result of current costs to control odors.
- Support Services increased due to a new allocation methodology.
- Preventative Maintenance Escrow decreased due to lower need.
- Debt Service decreased due to unspent funds in the I&S fund from the prior year.

Parker Creek Parallel Interceptor

Revenues and Expenses

Parker Creek Parallel Interceptor	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues						
Wastewater Sales						
420000-Interceptor - Members	\$ 187,756	\$ 123,765	\$ 123,605	\$ 111,970	\$ (11,795)	-9.53%
Total Wastewater Sales	\$ 187,756	\$ 123,765	\$ 123,605	\$ 111,970	\$ (11,795)	-9.53%
441000-Interest Income	\$ 282	\$ 275	\$ 275	\$ 330	\$ 55	20.00%
Revenues Total	\$ 188,038	\$ 124,040	\$ 123,880	\$ 112,300	\$ (11,740)	-9.46%
Expenses Total	\$ (188,038)	\$ (124,040)	\$ (123,880)	\$ (112,300)	\$ 11,740	-9.46%
Net Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%

Expense Detail

Parker Creek Parallel Interceptor	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
Supplies						
520800 - Small Tools & Equip	\$ -	\$ 2,500	\$ 2,500	\$ 2,500	\$ -	0.00%
521600 - Pipeline Supplies	\$ -	\$ 500	\$ 500	\$ 500	\$ -	0.00%
522000 - Equipment Supplies	\$ -	\$ 1,025	\$ 1,010	\$ 1,025	\$ -	0.00%
Supplies Total	\$ -	\$ 4,025	\$ 4,010	\$ 4,025	\$ -	0.00%
Services						
530400 - Fire & Exten Cov Ins	\$ 260	\$ 305	\$ 320	\$ 375	\$ 70	22.95%
530900 - General Liability Ins	\$ 116	\$ 160	\$ -	\$ -	\$ (160)	-100.00%
531020 - Internet Service	\$ 90	\$ 90	\$ 90	\$ 90	\$ -	0.00%
531200 - Bank Service Fees	\$ 0	\$ 5	\$ 5	\$ 5	\$ -	0.00%
531800 - Rent or Lease Payment	\$ -	\$ 100	\$ 100	\$ 100	\$ -	0.00%
532810 - Grounds Maint - Contract	\$ -	\$ 2,500	\$ 2,500	\$ 2,500	\$ -	0.00%
533000 - Other Services	\$ 850	\$ -	\$ -	\$ -	\$ -	0.00%
533100 - Administration	\$ 95	\$ 70	\$ 70	\$ 175	\$ 105	150.00%
533380 - Odor Control Crew	\$ -	\$ 1,000	\$ 1,000	\$ 1,000	\$ -	0.00%
533680 - Conveyance System Exp	\$ 5,200	\$ 5,500	\$ 5,500	\$ 5,800	\$ 300	5.45%
Support Services	\$ 312	\$ 1,275	\$ 1,275	\$ 2,020	\$ 745	58.43%
Services Total	\$ 6,923	\$ 11,005	\$ 10,860	\$ 12,065	\$ 1,060	9.63%

Expense Detail (continued)

Parker Creek Parallel Interceptor	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
Escrow						
550660 - Rsv for Maintenance	\$ -	\$ 30,000	\$ 30,000	\$ -	\$ (30,000)	-100.00%
550700 - Prev Maint Escrow	2,000	8,500	8,500	27,500	19,000	223.53%
Escrow Total	\$ 2,000	\$ 38,500	\$ 38,500	\$ 27,500	\$ (11,000)	-28.57%
Debt Service						
571000 - Tsf to I & S	\$ 174,600	\$ 66,000	\$ 66,000	\$ 64,200	\$ (1,800)	-2.73%
579000 - Bond Service Fees	4,515	4,510	4,510	4,510	-	0.00%
Debt Service Total	\$ 179,115	\$ 70,510	\$ 70,510	\$ 68,710	\$ (1,800)	-2.55%
Grand Total	\$ 188,038	\$ 124,040	\$ 123,880	\$ 112,300	\$ (11,740)	-9.46%

Major FY20 Budget Items

The department's FY20 Proposed Budget has decreased by \$11,740 from the FY19 Original Budget. Major variances are explained below.

- Support Services increased due to a new allocation methodology.
- Preventative Maintenance Escrow increased but was offset by the decrease to Reserve for Maintenance.

Wastewater Pretreatment Department

Overview

The Wastewater Pretreatment Department currently provides pretreatment services for the Cities of Allen, Forney, Frisco, McKinney, 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. Charges for services are funded by cities that have industries regulated under the pretreatment program.

FY2020 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 license.
- Provide personal protective equipment and safety gear for all aspects of the position.

Major Budget Drivers

- Personnel
- Laboratory services (internal and subcontract)

Position Summary

Wastewater Pretreatment Department

Full-Time Positions	FY19	FY20	Difference
Administrative Technician	0.50	0.60	0.10
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	-
Total Full-Time Positions	7.50	8.15	0.65

Revenues and Expenses

Wastewater Pretreatment Department	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
Revenues and Expenses	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues						
Wastewater Sales						
420000-Pretreatment - Members	\$ 874,101	\$ 1,022,435	\$ 1,001,935	\$ 1,189,445	\$ 167,010	16.33%
Total Wastewater Sales	\$ 874,101	\$ 1,022,435	\$ 1,001,935	\$ 1,189,445	\$ 167,010	16.33%
Other						
440040-Recov of Prior Year Exp	\$ 2,225	\$ -	\$ -	\$ -	\$ -	0.00%
440140-Master Card Rebates	102	-	-	-	-	0.00%
440999-Misc Revenue	16	-	-	-	-	0.00%
Total Other	\$ 2,343	\$ -	\$ -	\$ -	\$ -	0.00%
441000-Interest Income	\$ 2,902	\$ 2,615	\$ 2,615	\$ 5,150	\$ 2,535	96.94%
Revenues Total	\$ 879,345	\$ 1,025,050	\$ 1,004,550	\$ 1,194,595	\$ 169,545	16.54%
Expenses Total	\$ (879,345)	\$ (1,025,050)	\$ (1,004,550)	\$ (1,194,595)	\$ (169,545)	16.54%
Net Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%

Expense Detail

Wastewater Pretreatment 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
Personnel						
511000 - Supervision	\$ 166,703	\$ 173,400	\$ 174,825	\$ 263,510	\$ 90,110	51.97%
511020 - Clerical	25,772	27,190	27,100	34,145	6,955	25.58%
511030 - Skilled	255,915	269,010	250,995	283,620	14,610	5.43%
511060 - Overtime	1,521	3,000	3,000	3,000	-	0.00%
512000 - Social Security	32,783	35,930	33,925	44,465	8,535	23.75%
513000 - Workers' Comp Ins	11,984	13,525	14,440	12,755	(770)	-5.69%
513020 - Hospitalization Ins	86,584	94,900	92,855	101,335	6,435	6.78%
513040 - Dental Ins	3,941	4,365	4,080	4,715	350	8.02%
513060 - Life Ins	1,058	1,065	1,060	1,295	230	21.60%
514000 - Retirement	55,088	58,185	58,185	62,655	4,470	7.68%
514010 - Retiree - Insurance	10,890	11,870	11,870	10,930	(940)	-7.92%

Expense Detail (continued)

Wastewater Pretreatment 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	
Personnel (continued)							
514020 - Comp Absences-vacation	\$ 5,680	\$ 6,600	\$ 6,600	\$ 5,200	\$ (1,400)		-21.21%
514030 - Comp Absences-sick	2,350	1,565	1,565	3,590	2,025		129.39%
515000 - Cell Phone Stipend	3,408	3,360	3,360	3,625	265		7.89%
Personnel Total	\$ 663,677	\$ 703,965	\$ 683,860	\$ 834,840	\$ 130,875		18.59%
Supplies							
520100 - Office Supplies	\$ 961	\$ 1,815	\$ 1,815	\$ 1,815	\$ -		0.00%
520110 - Computer Supplies	8,640	14,305	14,305	14,305	\$ -		0.00%
520300 - Clothing Supplies	3,477	4,645	4,645	5,195	550		11.84%
520600 - Fuel, Oil and Lube	4,351	6,840	6,840	6,840	\$ -		0.00%
520630 - Toll Fees	121	450	450	450	\$ -		0.00%
520800 - Small Tools & Equip	9,209	10,000	10,000	10,000	\$ -		0.00%
521000 - Laboratory Supplies	3,623	2,800	2,800	2,800	\$ -		0.00%
521110 - Safety Supplies	1,855	1,530	1,530	1,530	\$ -		0.00%
521900 - Vehicle Supplies	290	2,100	2,100	2,100	\$ -		0.00%
521910 - Tires and Tubes	912	2,100	2,100	2,100	\$ -		0.00%
522000 - Equipment Supplies	8,663	8,785	8,785	8,785	\$ -		0.00%
Supplies Total	\$ 42,102	\$ 55,370	\$ 55,370	\$ 55,920	\$ 550		0.99%
Services							
530300 - Automotive Insurance	\$ 2,708	\$ 2,955	\$ 2,560	\$ 2,755	\$ (200)		-6.77%
530900 - General Liability Ins	409	430	430	475	45		10.47%
531020 - Internet Service	2,590	2,880	2,880	2,880	\$ -		0.00%
531310 - Special Studies & Rpts	-	8,000	8,000	8,000	\$ -		0.00%
531400 - Legal Service	-	20,000	20,000	20,000	\$ -		0.00%
531900 - Travel and Training	6,375	9,020	9,020	9,020	\$ -		0.00%
532000 - Mem & Subscriptions	8,375	8,235	8,235	8,235	\$ -		0.00%
532100 - Vehicle Maint	15	2,400	2,400	2,400	\$ -		0.00%
532110 - Veh Maint by Solid Waste	277	1,200	1,200	1,200	\$ -		0.00%
532200 - Equipment Maintenance	1,658	2,000	2,000	2,000	\$ -		0.00%
532300 - Postage	-	500	500	500	\$ -		0.00%
533000 - Other Services	-	9,000	9,000	9,000	\$ -		0.00%
533100 - Administration	11,165	11,055	11,055	2,220	\$ (8,835)		-79.92%
533500 - Lab Svc - Contract	8,844	26,025	26,025	26,025	\$ -		0.00%
Support Services	131,150	162,015	162,015	209,125	47,110		29.08%
Services Total	\$ 173,567	\$ 265,715	\$ 265,320	\$ 303,835	\$ 38,120		14.35%
Grand Total	\$ 879,345	\$ 1,025,050	\$ 1,004,550	\$ 1,194,595	\$ 169,545		16.54%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$169,545 from the FY19 Original Budget. Major variances are explained below.

- Personnel increased due to market / merit based adjustments.
- Support Services increased due to a new allocation methodology.

REGIONAL SOLID WASTE SYSTEM

FAST FACTS

SOLID WASTE SERVICES

113
SOLID WASTE
EMPLOYEES

4 Regional
Citizen
CONVENIENCE
CENTERS



Over
45,000
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**



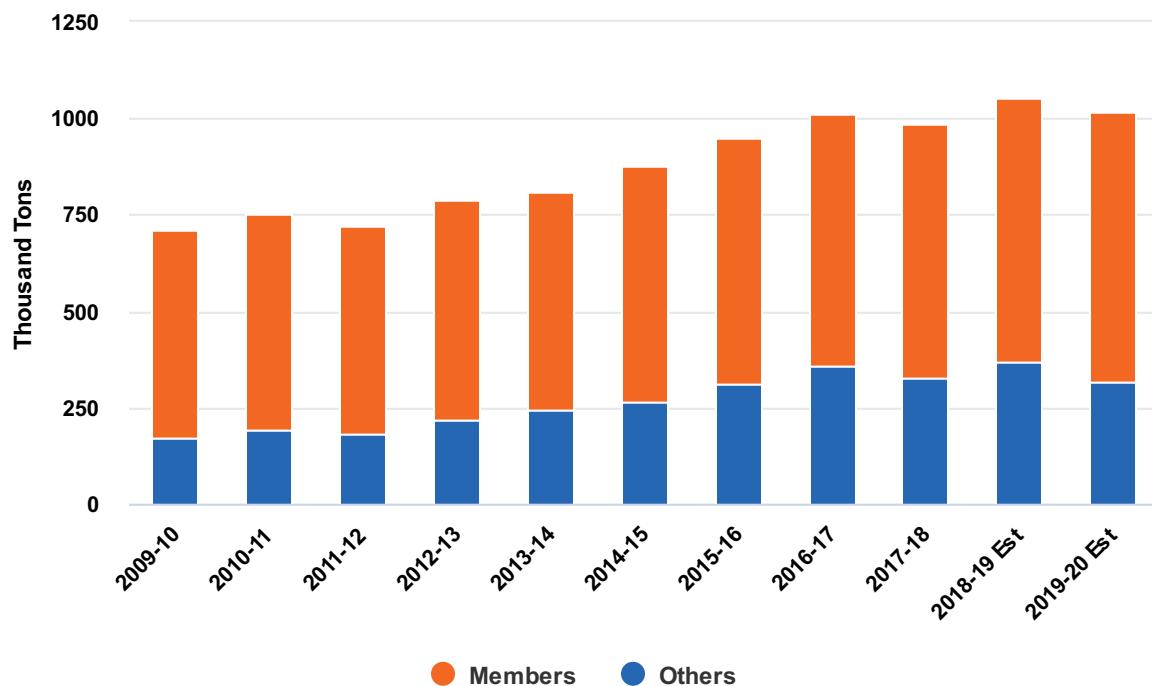


Regional Solid Waste System

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 Collin County and surrounding areas. 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 985,521 tons of waste in 2018, and based on projections, over 1,000,000 tons will be processed in FY19 and FY20. The RSWS has a total of 113 employees.

SOLID WASTE SYSTEM TONNAGE



Collection and Transport

City or private route trucks collect solid waste from residents and businesses and deliver to 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 CO₂ emissions by the equivalent of nearly 62 million gallons 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

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



Revenues and Expenditures

Category	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Revenues	\$ 35,062,499	\$ 37,301,745	\$ 37,110,950	\$ 38,289,625	\$ 987,880	2.65%

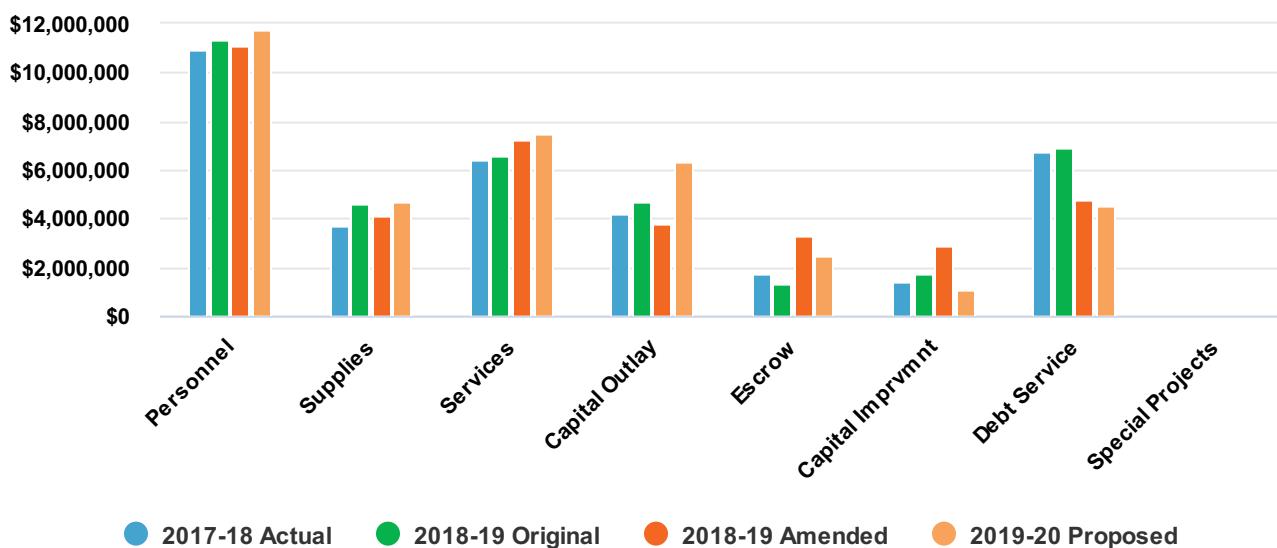
Expenditures

Personnel	\$ 10,962,809	\$ 11,376,480	\$ 11,130,235	\$ 11,775,580	\$ 399,100	3.51%
Supplies	3,729,759	4,593,275	4,091,800	4,680,745	87,470	1.90%
Services	6,371,438	6,593,950	7,228,320	7,481,450	887,500	13.46%
Capital Outlay	4,156,978	4,697,500	3,755,720	6,293,900	1,596,400	33.98%
Escrow	1,731,765	1,330,000	3,299,940	2,445,000	1,115,000	83.83%
Special Projects	-	40,000	-	40,000	-	0.00%
Debt Service	8,109,750	8,670,540	7,604,935	5,572,950	(3,097,590)	-35.73%
Total	\$ 35,062,499	\$ 37,301,745	\$ 37,110,950	\$ 38,289,625	\$ 987,880	2.65%

The FY19 Amended Budget for expenditures and revenues totals \$37,110,950, which is \$190,795 or (0.51%) less than the FY19 Original Budget of \$37,301,745. For the FY20 Annual Budget, the total RSWS expenditures are \$38,289,625, which is \$987,880 or (2.65%) greater than the FY19 Original Budget. Major budget variances are explained below:

- Increase in Capital Outlay of \$1,596,400 related to landfill cell construction and the purchase of an additional landfill flare.
- Increase in Services of \$887,500 due to allocation of Support Fund expenses, Engineering/Consultant Services for landfill cell design & construction and additional water expenses for increased flushing of the City of Melissa's water line.
- Increase in Personnel of \$399,100 due to the hiring of 5 additional headcount as well as market / merit based adjustments for staff.
- Increase in Supplies of \$87,470 based on using an alternate spray-on daily cover at the landfill which is expected to increase the landfill life by 5 to 15%.
- Offset by a decrease in Debt Service of (\$3,097,590) primarily related to an early defeasance of debt.

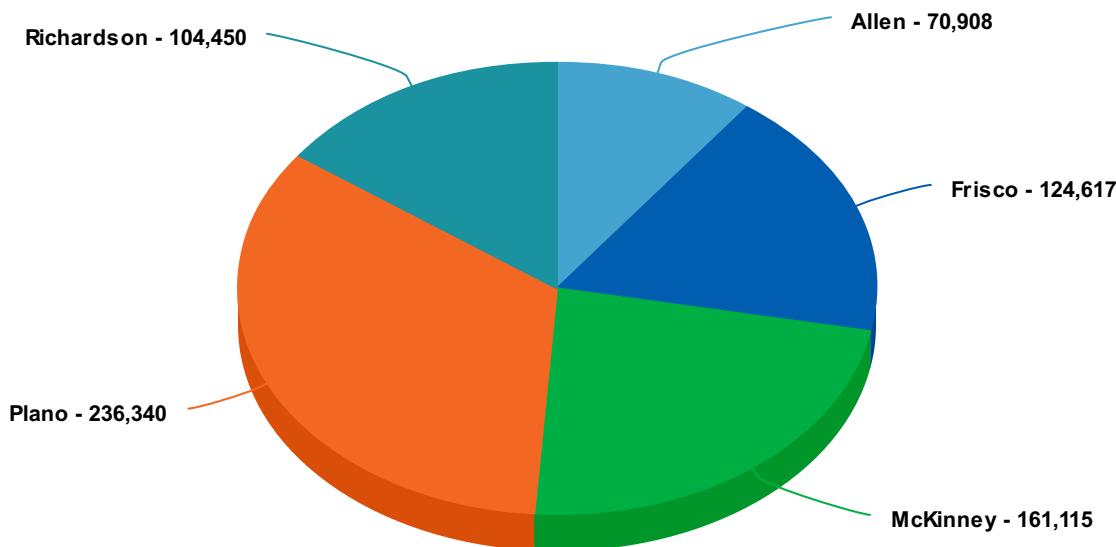
RSWS EXPENDITURES



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 685,826 tons of waste will be processed in FY19 and 697,430 tons in FY20.

FY20 ESTIMATED TONNAGE BY MEMBER CITIES



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. Operations and maintenance 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 FY20 are \$26,676,750 after deducting interest and other revenue in the estimated amount of \$11,612,875 from the proposed budget of \$38,289,625.

Cities	2017-18		2018-19		2018-19		2019-20	
	Actuals		Original Budget		Amended Budget		Proposed Budget	
Allen	\$ 2,485,882		\$ 2,578,379		\$ 2,413,397		\$ 2,712,236	
Frisco		4,255,493		4,632,767		4,257,349		4,766,610
McKinney		5,557,098		5,647,893		5,546,501		6,162,661
Plano		8,604,886		9,241,628		8,650,284		9,040,023
Richardson		3,705,994		4,016,288		3,686,974		3,995,220
Total	\$ 24,609,352	\$	\$ 26,116,955	\$	\$ 24,554,505	\$	\$ 26,676,750	

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 37 years.

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
9/30/19

Projected Balance:

09/30/19	Expected Fund Balance	\$	2,871,861
	Balance Transfers from Operating Fund		1,084,000
	Expected Projects		-
	Interest Income		60,309
09/30/20	Balance Available for Future Projects	\$	<u>4,016,170</u>

Reserve for Maintenance Fund
9/30/19

Projected Balance:

09/30/19	Expected Fund Balance	\$	1,240,817
	Balance Transfers from Operating Fund		10,000
	Expected Projects		-
	Interest Income		26,057
09/30/20	Balance Available for Future Projects	\$	<u>1,276,874</u>

Equipment Replacement Fund
9/30/19

Projected Balance:

09/30/19	Expected Fund Balance	\$	8,080,288
	Balance Transfers from Operating Fund		2,435,000
	Expected Projects		(478,000)
	Interest Income		169,686
09/30/20	Balance Available for Future Projects	\$	<u>10,206,974</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.

FY2020 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

Position Summary

Lookout Transfer Station

Full-Time Positions	FY19	FY20	Difference
Administrative Technician	0.20	0.20	-
Assistant Deputy (Solid Waste)	0.20	0.20	-
Scale Operator	2.00	2.00	-
Solid Waste System Manager	0.25	0.25	-
Transfer Station Equipment Operator	3.00	3.00	-
Transfer Station Foreman	1.00	1.00	-
Transfer Station Manager	0.34	0.34	-
Transport Driver	8.00	8.00	-
Total Full-Time Positions	14.99	14.99	-

Expense Detail

Lookout Transfer Station	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
Personnel						
511000 - Supervision	\$ 110,923	\$ 116,485	\$ 118,210	\$ 123,670	\$ 7,185	6.17%
511020 - Clerical	85,200	91,535	91,120	95,670	4,135	4.52%
511030 - Skilled	691,821	670,240	655,175	671,535	1,295	0.19%
511060 - Overtime	381,951	337,000	337,000	337,000	-	0.00%
512000 - Social Security	95,852	67,190	78,380	68,155	965	1.44%
513000 - Workers' Comp Ins	72,199	53,685	52,650	45,290	(8,395)	-15.64%
513010 - Unemployment Ins	12,818	-	-	-	-	0.00%
513020 - Hospitalization Ins	184,063	191,835	186,945	181,315	(10,520)	-5.48%
513040 - Dental Ins	11,261	10,775	11,225	11,060	285	2.65%
513060 - Life Ins	2,052	2,030	2,095	2,060	30	1.48%
514000 - Retirement	157,168	153,185	153,185	137,870	(15,315)	-10.00%
514010 - Retiree - Insurance	31,070	31,250	31,250	24,055	(7,195)	-23.02%
514020 - Comp Absences-vacation	7,450	5,480	5,480	7,950	2,470	45.07%
514030 - Comp Absences-sick	-	31,365	31,365	26,725	(4,640)	-14.79%
515000 - Cell Phone Stipend	3,659	3,740	3,740	3,740	-	0.00%
Personnel Total	\$ 1,847,488	\$ 1,765,795	\$ 1,757,820	\$ 1,736,095	\$ (29,700)	-1.68%
Supplies						
520100 - Office Supplies	\$ 2,275	\$ 1,400	\$ 1,600	\$ 1,400	\$ -	0.00%
520110 - Computer Supplies	8,780	9,150	11,400	8,500	(650)	-7.10%
520300 - Clothing Supplies	7,495	9,335	9,335	10,080	745	7.98%
520600 - Fuel, Oil and Lube	309,441	359,520	321,635	335,395	(24,125)	-6.71%
520630 - Toll Fees	14,831	8,500	15,500	13,200	4,700	55.29%
520800 - Small Tools & Equip	2,573	600	2,100	600	-	0.00%
520810 - Fire Extinguishers	3,202	2,000	2,000	2,000	-	0.00%
520900 - Janitorial Supplies	1,785	2,000	2,000	2,000	-	0.00%
521100 - Medical Supplies	177	400	400	400	-	0.00%
521110 - Safety Supplies	5,106	16,165	7,665	8,780	(7,385)	-45.69%
521200 - Chem - Other	1,050	8,000	12,500	16,800	8,800	110.00%

Expense Detail (continued)

Lookout Transfer Station	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
Supplies (continued)						
521400 - Electrical Supplies	\$ 3,034	\$ 750	\$ 2,450	\$ 2,500	\$ 1,750	233.33%
521500 - Mechanical Supplies	9,497	1,000	20,500	8,000	7,000	700.00%
521700 - Building Supplies	7,579	500	500	500	-	0.00%
521900 - Vehicle Supplies	106,914	110,000	170,000	130,000	20,000	18.18%
521910 - Tires and Tubes	50,171	101,900	66,900	111,200	9,300	9.13%
522000 - Equipment Supplies	2,232	-	30	-	-	0.00%
523000 - Other Supplies	10,057	5,000	6,500	5,000	-	0.00%
Supplies Total	\$ 546,198	\$ 636,220	\$ 653,015	\$ 656,355	\$ 20,135	3.16%
Services						
530300 - Automotive Insurance	\$ 42,391	\$ 45,635	\$ 41,325	\$ 40,905	\$ (4,730)	-10.36%
530400 - Fire & Exten Cov Ins	10,483	12,210	12,815	15,185	2,975	24.37%
530900 - General Liability Ins	2,059	2,855	2,220	2,465	(390)	-13.66%
531000 - Telephone	2,750	2,400	4,100	2,400	-	0.00%
531020 - Internet Service	2,372	2,400	3,035	2,700	300	12.50%
531100 - Electric Power	8,639	30,000	30,000	30,000	-	0.00%
531120 - Retail Water Service	14,350	6,000	7,500	6,000	-	0.00%
531300 - Engin/Consultant Svc	4,000	8,000	6,000	2,000	(6,000)	-75.00%
531400 - Legal Service	2,244	1,000	500	1,000	-	0.00%
531700 - Advertising	241	125	125	125	-	0.00%
531800 - Rent or Lease Payment	6,646	2,000	3,330	2,000	-	0.00%
531900 - Travel and Training	6,513	11,360	6,760	18,295	6,935	61.05%
531910 - Education and Training	-	180	180	180	-	0.00%
532000 - Mem & Subscriptions	236	1,055	1,055	1,055	-	0.00%
532100 - Vehicle Maint	50,359	70,100	115,100	70,000	(100)	-0.14%
532200 - Equipment Maintenance	2,144	500	38,000	5,000	4,500	900.00%
532300 - Postage	31	60	60	60	-	0.00%
532400 - Office Equip Maint	3,779	3,300	3,300	5,300	2,000	60.61%
532810 - Grounds Maint - Contract	10,390	13,080	13,080	13,080	-	0.00%
532850 - Building Maintenance	-	-	13,000	-	-	0.00%
533000 - Other Services	14,485	12,000	28,000	11,400	(600)	-5.00%
533020 - Contract Labor	152,115	88,400	102,400	81,540	(6,860)	-7.76%
533100 - Administration	52,155	41,280	41,280	7,910	(33,370)	-80.84%
533900 - Permits, Ins, & Lic Fees	1,272	1,000	1,000	1,000	-	0.00%
534000 - Uninsured losses	1,457	-	-	-	-	0.00%
Support Services	171,850	176,745	180,695	235,280	58,535	33.12%
Services Total	\$ 562,961	\$ 531,685	\$ 654,860	\$ 554,880	\$ 23,195	4.36%

Expense Detail (continued)

Lookout Transfer Station	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
Capital Outlay						
540300 - Vehicle Equipment	\$ 528,223	\$ 490,000	\$ 476,325	\$ 160,000	\$ (330,000)	-67.35%
542000 - Other Capital Outlay	40,704	-	-	-	-	0.00%
Capital Outlay Total	\$ 568,927	\$ 490,000	\$ 476,325	\$ 160,000	\$ (330,000)	-67.35%
Special Projects						
560000 - Special Projects	\$ -	\$ 5,000	\$ -	\$ 5,000	\$ -	0.00%
Special Projects Total	\$ -	\$ 5,000	\$ -	\$ 5,000	\$ -	0.00%
Grand Total	\$ 3,525,574	\$ 3,428,700	\$ 3,542,020	\$ 3,112,330	\$ (316,370)	-9.23%

Major FY20 Budget Items

The department's FY20 Proposed Budget has decreased by \$316,370 from the FY19 Original Budget. Major variances are explained below.

- Personnel decreased due to lower retirement funding requirements.
- Chem - Other increased for additional use of odor control chemicals.
- Mechanical Supplies increased for repairs to the tampers.
- Vehicle Supplies increased based on higher prior year trends.
- Travel and Training increased for additional Municipal Solid Waste Management certifications and renewals.
- Vehicle Equipment decreased due to less replacements compared to FY19.

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.

FY2020 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

Position Summary

Parkway Transfer Station

Full-Time Positions	FY19	FY20	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	2.00	3.00	1.00
Transfer Station Foreman	1.00	1.00	-
Transfer Station Manager	0.33	0.33	-
Transport Driver	11.00	11.00	-
Total Full-Time Positions	16.98	17.98	1.00

Expense Detail

Parkway Transfer Station

Parkway Transfer Station	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
Personnel						
511000 - Supervision	\$ 109,874	\$ 115,385	\$ 117,095	\$ 122,505	\$ 7,120	6.17%
511020 - Clerical	95,820	105,545	104,950	110,325	4,780	4.53%
511030 - Skilled	470,809	735,565	636,785	737,940	2,375	0.32%
511060 - Overtime	288,888	270,000	270,000	270,000	-	0.00%
512000 - Social Security	74,202	73,180	74,885	74,275	1,095	1.50%
513000 - Workers' Comp Ins	51,399	58,550	51,000	49,765	(8,785)	-15.00%
513020 - Hospitalization Ins	103,239	174,200	154,995	173,295	(905)	-0.52%
513040 - Dental Ins	5,223	9,300	7,510	8,175	(1,125)	-12.10%
513060 - Life Ins	1,630	2,195	2,035	2,240	45	2.05%
514000 - Retirement	112,849	114,600	114,600	150,230	35,630	31.09%
514010 - Retiree - Insurance	22,310	23,380	23,380	26,210	2,830	12.10%
514020 - Comp Absences-vacation	12,370	3,185	3,185	4,525	1,340	42.07%
514030 - Comp Absences-sick	-	43,985	43,985	-	(43,985)	-100.00%
515000 - Cell Phone Stipend	2,534	4,695	4,695	4,215	(480)	-10.22%
Personnel Total	\$ 1,351,148	\$ 1,733,765	\$ 1,609,100	\$ 1,733,700	\$ (65)	0.00%

Supplies

520100 - Office Supplies	\$ 1,560	\$ 835	\$ 1,235	\$ 835	\$ -	0.00%
520110 - Computer Supplies	5,443	9,160	11,660	7,320	(1,840)	-20.09%
520300 - Clothing Supplies	5,864	9,975	9,975	10,520	545	5.46%
520600 - Fuel, Oil and Lube	323,801	396,285	296,715	295,995	(100,290)	-25.31%
520630 - Toll Fees	40,103	40,000	47,000	30,000	(10,000)	-25.00%
520800 - Small Tools & Equip	590	500	850	500	-	0.00%
520810 - Fire Extinguishers	1,123	1,080	1,010	1,180	100	9.26%
520900 - Janitorial Supplies	1,311	1,200	1,200	1,200	-	0.00%
521100 - Medical Supplies	19	200	200	200	-	0.00%
521110 - Safety Supplies	2,178	4,665	4,665	4,705	40	0.86%
521200 - Chem - Other	11,000	12,000	12,000	12,000	-	0.00%
521400 - Electrical Supplies	4,158	800	2,945	1,000	200	25.00%
521500 - Mechanical Supplies	12,063	5,000	8,000	16,000	11,000	220.00%
521700 - Building Supplies	2,570	3,000	4,000	3,000	-	0.00%
521900 - Vehicle Supplies	94,308	132,000	112,000	132,000	-	0.00%
521910 - Tires and Tubes	46,278	78,100	53,100	128,610	50,510	64.67%

Expense Detail (continued)

Parkway Transfer Station	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
Supplies (continued)						
522000 - Equipment Supplies	\$ 5,542	\$ -	\$ -	\$ -	\$ -	0.00%
522200 - Road Maintenance Supplies	130	5,000	-	3,000	(2,000)	-40.00%
523000 - Other Supplies	3,026	2,400	1,500	2,400	-	0.00%
Supplies Total	\$ 561,068	\$ 702,200	\$ 568,055	\$ 650,465	\$ (51,735)	-7.37%
Services						
530300 - Automotive Insurance	\$ 29,896	\$ 28,675	\$ 37,550	\$ 39,140	\$ 10,465	36.50%
530400 - Fire & Exten Cov Ins	517	600	595	700	100	16.67%
530900 - General Liability Ins	1,499	1,935	1,980	2,200	265	13.70%
531000 - Telephone	452	1,200	200	200	(1,000)	-83.33%
531020 - Internet Service	2,451	2,340	3,065	2,460	120	5.13%
531100 - Electric Power	23,830	28,800	22,800	25,000	(3,800)	-13.19%
531120 - Retail Water Service	7,568	6,600	10,000	10,000	3,400	51.52%
531300 - Engin/Consultant Svc	1,200	1,000	1,200	1,200	200	20.00%
531400 - Legal Service	13,355	12,000	6,000	100,000	88,000	733.33%
531700 - Advertising	-	1,600	-	1,600	-	0.00%
531800 - Rent or Lease Payment	15,161	1,500	500	1,500	-	0.00%
531900 - Travel and Training	385	2,425	2,125	2,250	(175)	-7.22%
531910 - Education and Training	-	180	180	180	-	0.00%
532100 - Vehicle Maint	65,124	140,000	102,000	126,000	(14,000)	-10.00%
532200 - Equipment Maintenance	170	5,000	51,000	10,000	5,000	100.00%
532300 - Postage	143	500	200	500	-	0.00%
532400 - Office Equip Maint	8,543	1,800	1,950	5,800	4,000	222.22%
532810 - Grounds Maint - Contract	3,792	3,320	3,320	9,320	6,000	180.72%
532850 - Building Maintenance	-	-	1,350	-	-	0.00%
533000 - Other Services	28,410	12,000	9,000	10,400	(1,600)	-13.33%
533020 - Contract Labor	89,744	67,600	61,600	69,890	2,290	3.39%
533100 - Administration	32,415	28,135	28,135	6,210	(21,925)	-77.93%
533900 - Permits, Ins, & Lic Fees	1,040	790	790	790	-	0.00%
534000 - Uninsured losses	1,008	-	1,000	-	-	0.00%
Support Services	126,481	129,970	141,070	202,065	72,095	55.47%
Services Total	\$ 453,184	\$ 477,970	\$ 487,610	\$ 627,405	\$ 149,435	31.26%
Capital Outlay						
540300 - Vehicle Equipment	\$ 517,501	\$ 150,000	\$ 144,400	\$ 750,000	\$ 600,000	400.00%
542000 - Other Capital Outlay	56,125	-	-	-	-	0.00%
Capital Outlay Total	\$ 573,627	\$ 150,000	\$ 144,400	\$ 750,000	\$ 600,000	400.00%
Special Projects						
560000 - Special Projects	\$ -	\$ 5,000	\$ -	\$ 5,000	\$ -	0.00%
Special Projects Total	\$ -	\$ 5,000	\$ -	\$ 5,000	\$ -	0.00%
Grand Total	\$ 2,939,026	\$ 3,068,935	\$ 2,809,165	\$ 3,766,570	\$ 697,635	22.73%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$697,635 from the FY19 Original Budget. Major variances are explained below.

- Fuel, Oil and Lube decreased based on historical miles driven.
- Tires and Tubes increased related to purchasing new tires for a wheel loader.
- Legal Service increased due to additional legal fees associated with permit modification.
- Vehicle Equipment increased due to replacement of 2 truck tractors and a wheel loader.

Custer Road Transfer Station

Overview

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

The facility is located, designed, operated and monitored in full compliance with the regulations set forth by the TCEQ and the EPA. Only non-hazardous municipal solid waste is permitted for disposal. A used motor oil and filter drop off area allows residents to recycle those products. Yard waste is directed to the brush grinding operation located on-site and operated by the City of Plano. Yard waste is ground to reduce the volume and transported to the 121 RDF compost site for processing as compost. The site is permitted to accept 1,900 tons per day.

FY2020 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

Position Summary

Custer Transfer Station

Full-Time Positions	FY19	FY20	Difference
Administrative Technician	0.20	0.20	-
Assistant Deputy (Solid Waste)	0.20	0.20	-
Scale Operator	2.00	3.00	1.00
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	14.00	15.00	1.00
Total Full-Time Positions	21.98	23.98	2.00

Expense Detail

Custer Transfer Station	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
Personnel						
511000 - Supervision	\$ 109,874	\$ 115,385	\$ 117,095	\$ 122,505	\$ 7,120	6.17%
511020 - Clerical	100,370	105,405	104,875	151,925	46,520	44.13%
511030 - Skilled	876,949	992,720	1,002,905	1,137,195	144,475	14.55%
511060 - Overtime	604,829	470,000	535,000	470,000	-	0.00%
512000 - Social Security	124,570	92,835	112,485	108,015	15,180	16.35%
513000 - Workers' Comp Ins	92,941	77,930	81,085	76,525	(1,405)	-1.80%
513020 - Hospitalization Ins	280,467	287,780	302,475	324,635	36,855	12.81%
513040 - Dental Ins	15,013	15,960	15,250	16,125	165	1.03%
513060 - Life Ins	2,618	2,780	2,925	3,250	470	16.91%
514000 - Retirement	187,705	181,655	181,655	218,455	36,800	20.26%
514010 - Retiree - Insurance	37,105	37,055	37,055	38,115	1,060	2.86%
514020 - Comp Absences-vacation	36,560	22,160	22,160	14,290	(7,870)	-35.51%
514030 - Comp Absences-sick	41,460	17,340	17,340	11,515	(5,825)	-33.59%
515000 - Cell Phone Stipend	2,054	3,735	3,735	3,255	(480)	-12.85%
Personnel Total	\$ 2,512,514	\$ 2,422,740	\$ 2,536,040	\$ 2,695,805	\$ 273,065	11.27%

Supplies

520100 - Office Supplies	\$ 971	\$ 1,300	\$ 1,700	\$ 1,300	\$ -	0.00%
520110 - Computer Supplies	5,414	9,520	14,520	8,160	(1,360)	-14.29%
520300 - Clothing Supplies	9,076	12,805	12,805	15,245	2,440	19.06%
520600 - Fuel, Oil and Lube	432,770	506,090	449,375	527,440	21,350	4.22%
520630 - Toll Fees	93,821	88,000	79,000	93,000	5,000	5.68%
520800 - Small Tools & Equip	832	500	500	500	-	0.00%
520810 - Fire Extinguishers	3,778	1,680	4,380	2,680	1,000	59.52%
520900 - Janitorial Supplies	1,174	1,500	1,500	1,500	-	0.00%
521100 - Medical Supplies	99	500	-	500	-	0.00%
521110 - Safety Supplies	2,088	4,845	6,845	7,715	2,870	59.24%
521200 - Chem - Other	12,000	12,000	12,000	12,000	-	0.00%

Expense Detail (continued)

Custer Transfer Station	2017-18	2018-19	2018-19	2019-20	Variance \$	Variance %
	Actual	Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Expense Category						
Supplies (continued)						
521400 - Electrical Supplies	\$ 3,325	\$ 1,500	\$ 4,400	\$ 3,000	\$ 1,500	100.00%
521500 - Mechanical Supplies	19,582	2,800	2,800	2,800	-	0.00%
521700 - Building Supplies	639	1,600	2,340	1,600	-	0.00%
521900 - Vehicle Supplies	135,361	140,000	180,000	142,500	2,500	1.79%
521910 - Tires and Tubes	133,191	99,400	74,400	124,070	24,670	24.82%
522000 - Equipment Supplies	279	-	-	-	-	0.00%
522200 - Road Maintenance Supplies	1,048	5,000	3,205	5,000	-	0.00%
523000 - Other Supplies	1,959	1,000	1,750	1,000	-	0.00%
Supplies Total	\$ 857,408	\$ 890,040	\$ 851,520	\$ 950,010	\$ 59,970	6.74%
Services						
530300 - Automotive Insurance	\$ 39,019	\$ 39,360	\$ 49,815	\$ 46,980	\$ 7,620	19.36%
530400 - Fire & Exten Cov Ins	4,583	5,335	4,845	5,740	405	7.59%
530900 - General Liability Ins	2,082	2,635	2,095	2,285	(350)	-13.28%
531000 - Telephone	5,862	5,700	7,430	7,200	1,500	26.32%
531020 - Internet Service	680	960	1,120	1,080	120	12.50%
531100 - Electric Power	25,319	27,600	26,600	27,600	-	0.00%
531120 - Retail Water Service	9,583	12,000	12,000	12,000	-	0.00%
531300 - Engin/Consultant Svc	19,324	12,100	5,800	3,300	(8,800)	-72.73%
531400 - Legal Service	5,665	500	500	500	-	0.00%
531800 - Rent or Lease Payment	-	1,500	1,500	1,500	-	0.00%
531900 - Travel and Training	770	3,500	2,600	3,000	(500)	-14.29%
531910 - Education and Training	-	180	180	180	-	0.00%
532100 - Vehicle Maint	83,767	131,500	176,500	162,000	30,500	23.19%
532200 - Equipment Maintenance	1,308	2,500	7,100	2,500	-	0.00%
532300 - Postage	61	50	50	50	-	0.00%
532400 - Office Equip Maint	8,342	2,600	16,350	8,600	6,000	230.77%
532810 - Grounds Maint - Contract	7,840	22,160	22,160	22,160	-	0.00%
532850 - Building Maintenance	-	-	13,690	-	-	0.00%
533000 - Other Services	20,199	21,800	29,800	21,800	-	0.00%
533020 - Contract Labor	152,496	125,580	157,580	128,130	2,550	2.03%
533100 - Administration	55,285	41,490	41,490	9,430	(32,060)	-77.27%
533900 - Permits, Ins, & Lic Fees	2,269	1,190	1,190	1,190	-	0.00%
533920 - Regulatory Fees & Asses	271	-	-	-	-	0.00%
534000 - Uninsured losses	616	-	10	-	-	0.00%
Support Services	182,742	184,200	197,225	388,220	204,020	110.76%
Services Total	\$ 628,081	\$ 644,440	\$ 777,630	\$ 855,445	\$ 211,005	32.74%

Expense Detail (continued)

Custer Transfer Station	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
Capital Outlay						
540200 - Building	\$ -	\$ 7,500	\$ 1,525	\$ -	\$ (7,500)	-100.00%
540300 - Vehicle Equipment	442,242	975,000	974,335	1,656,000	681,000	69.85%
542000 - Other Capital Outlay	61,218	150,000	150,000	320,000	170,000	113.33%
Capital Outlay Total	\$ 503,460	\$ 1,132,500	\$ 1,125,860	\$ 1,976,000	\$ 843,500	74.48%
Special Projects						
560000 - Special Projects	\$ -	\$ 5,000	\$ -	\$ 5,000	\$ -	0.00%
Special Projects Total	\$ -	\$ 5,000	\$ -	\$ 5,000	\$ -	0.00%
Grand Total	\$ 4,501,463	\$ 5,094,720	\$ 5,291,050	\$ 6,482,260	\$ 1,387,540	27.23%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$1,387,540 from the FY19 Original Budget. Major variances are explained below.

- Personnel increased due to adding 2 additional headcounts as well as market/merit based adjustments.
- Fuel, Oil and Lube increased based on historical miles driven.
- Tires and Tubes increased related to additional vehicles and increased tire prices.
- Support Services increased due to a new allocation methodology.
- Vehicle Equipment increased due to the purchase of 6 truck tractors and 8 trailers.
- Other Capital Outlay increased due to facility roof repairs and wheel wash construction.

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.

FY2020 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	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
Services						
531300 - Engin/Consultant Svc	\$ 24,615	\$ 32,980	\$ 46,685	\$ 41,425	\$ 8,445	25.61%
531400 - Legal Service	7,673	1,500	2,560	1,500	-	0.00%
532200 - Equipment Maintenance	-	750	750	750	-	0.00%
532300 - Postage	-	25	320	25	-	0.00%
532810 - Grounds Maint - Contract	6,968	16,120	16,120	16,120	-	0.00%
533000 - Other Services	4,290	-	755	-	-	0.00%
533100 - Administration	625	505	505	105	(400)	-79.21%
Support Services	3,710	1,520	2,470	2,285	765	50.33%
Services Total	\$ 47,881	\$ 53,400	\$ 70,165	\$ 62,210	\$ 8,810	16.50%
Grand Total	\$ 47,881	\$ 53,400	\$ 70,165	\$ 62,210	\$ 8,810	16.50%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$8,810 from the FY19 Original Budget. Major variances are explained below.

- Engin/Consultant Svc increased due to additional ground water monitoring and landfill gas probes.

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.

FY2020 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	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
Supplies						
520110 - Computer Supplies	\$ 270	\$ 720	\$ 220	\$ 1,260	\$ 540	75.00%
521500 - Mechanical Supplies	\$ 389	-	-	-	-	0.00%
Supplies Total	\$ 659	\$ 720	\$ 220	\$ 1,260	\$ 540	75.00%
Services						
531100 - Electric Power	\$ 4,382	\$ 1,800	\$ 6,800	\$ 6,800	\$ 5,000	277.78%
531300 - Engin/Consultant Svc	\$ 62,508	\$ 78,825	\$ 212,925	\$ 76,395	(\$2,430)	-3.08%
531400 - Legal Service	\$ 14,676	\$ 1,000	\$ 7,800	\$ 1,000	-	0.00%
531700 - Advertising	\$ 189	-	-	-	-	0.00%
532300 - Postage	\$ 27	\$ 30	\$ 95	\$ 30	-	0.00%
532810 - Grounds Maint - Contract	\$ 50	\$ 9,850	\$ 9,850	\$ 9,850	-	0.00%
533000 - Other Services	\$ 51,055	\$ 46,700	\$ 31,700	\$ 40,000	(\$6,700)	-14.35%
Support Services	\$ 405	\$ 395	\$ 6,660	\$ 8,160	\$ 7,765	1965.82%
Services Total	\$ 133,291	\$ 138,600	\$ 275,830	\$ 142,235	\$ 3,635	2.62%
Grand Total	\$ 133,950	\$ 139,320	\$ 276,050	\$ 143,495	\$ 4,175	3.00%

Major FY20 Budget Items

- The department's FY20 Proposed Budget has increased by \$4,175 from the FY19 Original Budget with no major variances.

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.

FY2020 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
- Cell 5D construction and replacement/upsizing the existing landfill gas flare

Position Summary

121 Regional Disposal Facility		FY19	FY20	Difference
Full-Time Positions				
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	18.00	-
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	-
Total Full-Time Positions		34.65	34.65	-

Expense Detail

121 Regional Disposal Facility	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
Personnel						
511000 - Supervision	\$ 302,704	\$ 312,230	\$ 313,485	\$ 321,795	\$ 9,565	3.06%
511020 - Clerical	158,114	203,390	205,655	214,330	10,940	5.38%
511030 - Skilled	1,444,797	1,529,465	1,404,860	1,518,145	(11,320)	-0.74%
511050 - Part-time	30,232	22,610	22,605	40,985	18,375	81.27%
511060 - Overtime	405,789	370,000	370,000	370,000	-	0.00%
512000 - Social Security	169,494	157,670	156,980	159,895	2,225	1.41%
513000 - Workers' Comp Ins	111,638	107,655	96,760	93,745	(13,910)	-12.92%
513010 - Unemployment Ins	630	-	-	-	-	0.00%
513020 - Hospitalization Ins	449,993	472,565	437,550	463,490	(9,075)	-1.92%
513040 - Dental Ins	21,949	23,930	22,030	23,115	(815)	-3.41%
513060 - Life Ins	4,495	4,740	4,495	4,775	35	0.74%
514000 - Retirement	351,303	327,865	327,865	324,255	(3,610)	-1.10%

Expense Detail (continued)

121 Regional Disposal Facility	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
Personnel (continued)						
514010 - Retiree - Insurance	\$ 69,445	\$ 66,885	\$ 66,885	\$ 56,570	\$ (10,315)	-15.42%
514020 - Comp Absences-vacation	5,250	-	-	7,330	7,330	0.00%
514030 - Comp Absences-sick	30,445	11,830	11,830	-	(11,830)	-100.00%
515000 - Cell Phone Stipend	1,616	1,175	1,175	1,655	480	40.85%
Personnel Total	\$ 3,557,895	\$ 3,612,010	\$ 3,442,175	\$ 3,600,085	\$ (11,925)	-0.33%
Supplies						
520100 - Office Supplies	\$ 8,930	\$ 7,000	\$ 7,000	\$ 8,225	\$ 1,225	17.50%
520110 - Computer Supplies	50,631	27,380	18,880	14,775	(12,605)	-46.04%
520300 - Clothing Supplies	14,369	18,095	18,095	21,730	3,635	20.09%
520600 - Fuel, Oil and Lube	747,988	1,077,680	854,420	894,750	(182,930)	-16.97%
520630 - Toll Fees	108	100	100	100	-	0.00%
520700 - Machine Oil & Lube	-	21,600	4,600	30,000	8,400	38.89%
520800 - Small Tools & Equip	17,545	5,500	17,500	7,000	1,500	27.27%
520810 - Fire Extinguishers	85	375	2,430	375	-	0.00%
520900 - Janitorial Supplies	3,612	3,695	3,695	3,695	-	0.00%
521100 - Medical Supplies	8	280	280	280	-	0.00%
521110 - Safety Supplies	11,795	18,245	18,245	24,495	6,250	34.26%
521200 - Chem - Other	35,112	104,500	104,500	148,600	44,100	42.20%
521300 - Botanical Supplies	807	-	-	-	-	0.00%
521400 - Electrical Supplies	10,287	4,000	10,000	4,000	-	0.00%
521500 - Mechanical Supplies	2,106	500	7,500	2,000	1,500	300.00%
521700 - Building Supplies	6,196	4,000	1,000	4,000	-	0.00%
521900 - Vehicle Supplies	369,573	550,000	360,000	522,500	(27,500)	-5.00%
521910 - Tires and Tubes	90,753	93,390	121,390	93,390	-	0.00%
522000 - Equipment Supplies	2,147	3,000	500	3,000	-	0.00%
522100 - Welding Supplies	3,917	7,000	4,000	7,000	-	0.00%
522200 - Road Maint Supplies	229,021	240,000	255,000	240,000	-	0.00%
523000 - Other Supplies	49,106	40,850	62,850	229,850	189,000	462.67%
Supplies Total	\$ 1,654,097	\$ 2,227,190	\$ 1,871,985	\$ 2,259,765	\$ 32,575	1.46%
Services						
530300 - Automotive Insurance	\$ 63,836	\$ 64,120	\$ 65,270	\$ 48,405	\$ (15,715)	-24.51%
530400 - Fire & Exten Cov Ins	664	775	605	715	(60)	-7.74%
530520 - Financial Assur Bond/Ins	1,200	1,200	1,200	1,200	-	0.00%
530900 - General Liability Ins	4,828	5,545	5,090	5,650	105	1.89%
531000 - Telephone	4,608	5,640	4,640	4,740	(900)	-15.96%
531020 - Internet Service	72,905	72,840	77,840	76,560	3,720	5.11%
531100 - Electric Power	44,511	24,000	45,000	44,400	20,400	85.00%
531120 - Retail Water Service	63,870	114,360	219,360	190,860	76,500	66.89%
531200 - Bank Service Fees	37	25	50	245	220	880.00%
531210 - Bank Card Service Fees	41,036	38,400	54,400	48,000	9,600	25.00%
531300 - Engin/Consultant Svc	498,872	407,650	534,050	535,760	128,110	31.43%
531400 - Legal Service	18,472	40,000	23,000	20,000	(20,000)	-50.00%

Expense Detail (continued)

121 Regional Disposal Facility	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
Services (continued)						
531700 - Advertising	\$ -	\$ 600	\$ 5,965	\$ 625	\$ 25	4.17%
531900 - Travel and Training	2,726	4,575	1,675	8,300	3,725	81.42%
531910 - Education and Training	79	-	-	-	-	0.00%
532100 - Vehicle Maint	4,092	3,500	16,500	4,000	500	14.29%
532200 - Equipment Maintenance	422,912	700,000	551,540	700,000	-	0.00%
532250 - Cap Cont-City of Melissa	320,000	320,000	320,000	320,000	-	0.00%
532300 - Postage	309	620	620	620	-	0.00%
532400 - Office Equip Maint	19,081	15,800	27,800	16,000	200	1.27%
532810 - Grounds Maint - Contract	47,172	40,800	35,800	40,800	-	0.00%
532850 - Building Maintenance	1,543	2,500	7,340	6,000	3,500	140.00%
533000 - Other Services	352,080	199,685	243,185	209,185	9,500	4.76%
533020 - Contract Labor	123,096	150,800	125,800	139,780	(11,020)	-7.31%
533100 - Administration	145,385	161,805	161,805	30,355	(131,450)	-81.24%
533900 - Permits, Ins, & Lic Fees	927,395	941,400	951,400	955,500	14,100	1.50%
533920 - Regulatory Fees & Asses	17,631	19,150	19,150	19,150	-	0.00%
534000 - Uninsured losses	1,649	-	9,710	-	-	0.00%
534300 - Composting Services	526,626	555,280	555,280	565,840	10,560	1.90%
Support Services	476,313	537,830	569,230	830,415	292,585	54.40%
Services Total	\$ 4,202,926	\$ 4,428,900	\$ 4,633,305	\$ 4,823,105	\$ 394,205	8.90%
Capital Outlay						
540300 - Vehicle Equipment	\$ 1,270,720	\$ 1,664,050	\$ 1,618,720	\$ 985,000	\$ (679,050)	-40.81%
540700 - Non-Vehicle Equipment	12,826	-	9,750	750,000	750,000	0.00%
541510 - Landfill Dev Cost-Contract	1,220,108	902,000	-	1,453,900	551,900	61.19%
542000 - Other Capital Outlay	-	300,000	300,000	-	(300,000)	-100.00%
Capital Outlay Total	\$ 2,503,654	\$ 2,866,050	\$ 1,928,470	\$ 3,188,900	\$ 322,850	11.26%
Special Projects						
560000 - Special Projects	\$ -	\$ 25,000	\$ -	\$ 25,000	\$ -	0.00%
Special Projects Total	\$ -	\$ 25,000	\$ -	\$ 25,000	\$ -	0.00%
Grand Total	\$11,918,571	\$13,159,150	\$11,875,935	\$13,896,855	\$ 737,705	5.61%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$737,705 from the FY19 Original Budget. Major variances are explained below.

- Fuel, Oil and Lube decreased based on historical mileage driven.
- Chem - Other increased for additional chemicals for the truck wash.
- Other Supplies increased for a spray on daily cover which is expected to extend the life of the landfill.
- Engin/Consultant Svc increased for the size of cell construction and intermediate cover.
- Vehicle Equipment decreased because a fuel truck and tipper are not needed this year.
- Non-Vehicle Equipment increased for the purchase of a landfill flare.
- Landfill Dev-Cost-Contract increased due to the size of cell construction.

Fleet Maintenance

Overview

The mission of the Fleet Maintenance Department 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 located adjacent to the 121 RDF and the Wylie Service Center 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 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.

FY2020 Department Objectives (Supporting Strategic Goals)

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

- Provide superior maintenance and repair of District vehicles and equipment.
- Administer asset management, budgeting and reporting, including vehicle and equipment replacement, scheduling and forecasting.
- Manage fuel, fuel system, consumables tracking and reporting.
- Develop specifications for procurement of vehicles and equipment with interdepartmental involvement to provide the most effective equipment for their operations.

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

- Continuously improve the short and long-term replacement scheduling forecasts to identify underutilized equipment and determine future vehicle and equipment needs for each department.
- Continue to provide the highest quality fleet services in an efficient, safe, timely and cost-effective manner.

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

- Actively manage and build relationships within internal departments as well as external vendors.

People: Build a talented, competent and committed team

- Continue to offer training and education options to the entire fleet team in order to stay as well informed of technological advancements and modern repair practices.

Major Budget Drivers

- Personnel
- Fleet Management Information System and Fuel System annual support and upgrades.

Position Summary

Fleet Maintenance Shop

Full-Time Positions	FY19	FY20	Difference
Administrative Technician	0.2	0.2	-
Assistant Deputy (Solid Waste)	0.2	0.2	-
Fleet Administrator	1.0	1.0	-
Fleet Maintenance Equipment Mechanic	6.0	8.0	2.0
Fleet Maintenance Shop Assistant	6.0	6.0	-
Fleet Maintenance Shop Foreman	2.0	2.0	-
Fleet Maintenance Shop Supervisor	1.0	1.0	-
Fleet Manager	1.0	1.0	-
Lead Fleet Maintenance Equipment Mechanic	1.0	1.0	-
Welder	1.0	1.0	-
Total Full-Time Positions	19.4	21.4	2.0

Expense Detail

Fleet Maintenance Shop	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
Personnel						
511000 - Supervision	\$ 238,032	\$ 247,910	\$ 248,450	\$ 257,660	\$ 9,750	3.93%
511020 - Clerical	8,765	9,210	9,215	9,675	465	5.05%
511030 - Skilled	755,806	860,530	814,025	990,965	130,435	15.16%
511060 - Overtime	63,660	75,000	104,000	75,000	-	0.00%
512000 - Social Security	75,929	85,490	83,205	96,250	10,760	12.59%
513000 - Workers' Comp Ins	38,212	43,725	36,505	44,265	540	1.23%
513020 - Hospitalization Ins	246,937	277,125	248,735	266,465	(10,660)	-3.85%
513040 - Dental Ins	13,695	15,785	13,635	14,100	(1,685)	-10.67%
513060 - Life Ins	2,371	2,570	2,505	2,880	310	12.06%
514000 - Retirement	178,546	171,070	171,070	194,730	23,660	13.83%
514010 - Retiree - Insurance	35,295	34,900	34,900	33,975	(925)	-2.65%
514020 - Comp Absences-vacation	21,600	9,640	9,640	12,060	2,420	25.10%
514030 - Comp Absences-sick	6,340	-	-	2,655	2,655	0.00%
515000 - Cell Phone Stipend	8,576	9,215	9,215	9,215	-	0.00%
Personnel Total	\$ 1,693,764	\$ 1,842,170	\$ 1,785,100	\$ 2,009,895	\$ 167,725	9.10%

Supplies

520100 - Office Supplies	\$ 6,804	\$ 5,875	\$ 5,875	\$ 3,590	\$ (2,285)	-38.89%
520110 - Computer Supplies	22,497	43,735	61,235	52,735	9,000	20.58%
520300 - Clothing Supplies	7,623	13,625	11,000	16,660	3,035	22.28%
520600 - Fuel, Oil and Lube	13,821	20,035	12,035	19,670	(365)	-1.82%
520630 - Toll Fees	685	600	900	600	-	0.00%
520800 - Small Tools & Equip	32,571	18,940	18,940	29,195	10,255	54.14%
520810 - Fire Extinguishers	259	750	750	750	-	0.00%
520820 - Expendable Supplies	3,980	4,375	4,375	4,375	-	0.00%
520900 - Janitorial Supplies	280	1,500	1,500	1,500	-	0.00%
521100 - Medical Supplies	-	400	400	400	-	0.00%
521110 - Safety Supplies	6,194	6,970	9,595	9,415	2,445	35.08%
521400 - Electrical Supplies	435	1,000	1,000	1,000	-	0.00%

Expense Detail (continued)

Fleet Maintenance Shop	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
Supplies (continued)						
521500 - Mechanical Supplies	\$ 92	\$ -	\$ -	\$ -	\$ -	0.00%
521700 - Building Supplies	1,174	2,000	1,300	2,000	-	0.00%
521900 - Vehicle Supplies	2,133	2,900	3,900	2,900	-	0.00%
521910 - Tires and Tubes	1,235	1,200	1,200	5,100	3,900	325.00%
522000 - Equipment Supplies	3,683	3,000	3,000	3,000	-	0.00%
522100 - Welding Supplies	6,864	9,000	9,000	9,000	-	0.00%
522200 - Road Maintenance Supplies	-	1,000	1,000	1,000	-	0.00%
Supplies Total	\$ 110,330	\$ 136,905	\$ 147,005	\$ 162,890	\$ 25,985	18.98%
Services						
530300 - Automotive Insurance	\$ 7,175	\$ 7,700	\$ 7,115	\$ 7,650	\$ (50)	-0.65%
530400 - Fire & Exten Cov Ins	3,063	3,565	3,930	4,655	1,090	30.58%
531000 - Telephone	1,248	1,380	1,380	1,380	-	0.00%
531020 - Internet Service	2,023	2,880	2,200	3,240	360	12.50%
531100 - Electric Power	28,716	27,000	32,350	33,300	6,300	23.33%
531120 - Retail Water Service	683	1,200	-	-	(1,200)	-100.00%
531300 - Engin/Consultant Svc	37,830	3,000	3,100	3,000	-	0.00%
531400 - Legal Service	2,394	-	-	-	-	0.00%
531700 - Advertising	218	400	225	175	(225)	-56.25%
531900 - Travel and Training	2,923	15,915	12,515	13,495	(2,420)	-15.21%
531910 - Education and Training	-	480	200	480	-	0.00%
532000 - Mem & Subscriptions	1,780	2,565	5,065	2,725	160	6.24%
532100 - Vehicle Maint	267	1,000	500	1,000	-	0.00%
532200 - Equipment Maintenance	3,114	1,800	2,800	1,800	-	0.00%
532300 - Postage	76	120	45	75	(45)	-37.50%
532850 - Building Maintenance	8,251	9,900	14,400	14,265	4,365	44.09%
533000 - Other Services	64,729	31,980	32,575	20,780	(11,200)	-35.02%
533100 - Administration	24,280	25,150	25,150	5,100	(20,050)	-79.72%
Support Services	154,344	182,920	185,370	303,050	120,130	65.67%
Services Total	\$ 343,115	\$ 318,955	\$ 328,920	\$ 416,170	\$ 97,215	30.48%
Capital Outlay						
540200 - Building	\$ -	\$ 30,000	\$ 22,270	\$ -	\$ (30,000)	-100.00%
540300 - Vehicle Equipment	-	28,950	28,410	192,000	163,050	563.21%
540700 - Non-Vehicle Equipment	7,310	-	29,985	27,000	27,000	0.00%
Capital Outlay Total	\$ 7,310	\$ 58,950	\$ 80,665	\$ 219,000	\$ 160,050	271.50%
Grand Total	\$ 2,154,520	\$ 2,356,980	\$ 2,341,690	\$ 2,807,955	\$ 450,975	19.13%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$450,975 from the FY19 Original Budget. Major variances are explained below.

- Personnel increased for two new mechanics and for market/merit based adjustments.
- Support Services increased due to a new allocation methodology.
- Vehicle equipment increased to purchase replacement vehicles.

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SUPPORT FUND

Environmental Services / Laboratory Building



Support Fund

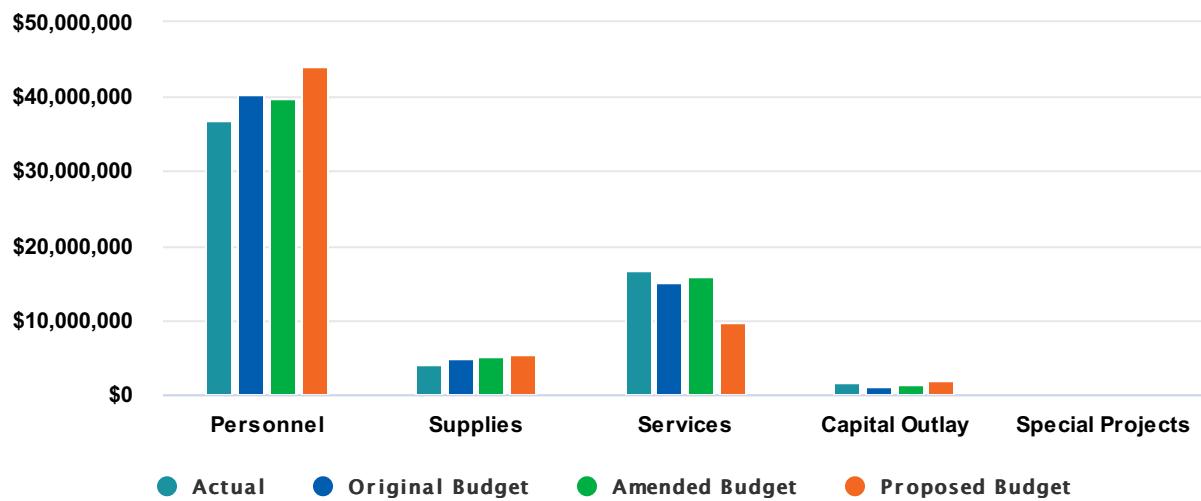
The Support Fund is comprised of multiple departments that provide common or shared essential services to the Regional Water, Regional Wastewater, Upper East Fork Interceptor, Sewer and Regional Solid Waste Operating Systems.

The support departments are as follows:

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

The Support Fund departments have a total of 399 employees. Detailed position counts are shown within each of the departmental executive summaries.

SUPPORT FUND EXPENDITURES BY CATEGORY



Expenditures

Category	2017-18		2018-19		2018-19		2019-20		Variance \$	Variance %
	Actual	Original Budget	Original Budget	Amended Budget	Proposed Budget	To Original Budget	Proposed Budget	To Original Budget		
Personnel	\$ 36,839,995	\$ 40,314,580	\$ 39,730,435	\$ 44,009,095	\$ 3,694,515		9.16%			
Supplies	4,113,858	4,750,925	5,047,290	5,279,870	528,945		11.13%			
Services	16,673,889	15,174,170	15,933,465	9,685,020	(5,489,150)		-36.17%			
Capital Outlay	1,660,028	1,198,500	1,352,075	1,878,000	679,500		56.70%			
Special Projects	14,391	75,000	75,000	75,000	-		0.00%			
Total	\$ 59,302,161	\$ 61,513,175	\$ 62,138,265	\$ 60,926,985	\$ (586,190)		-0.95%			

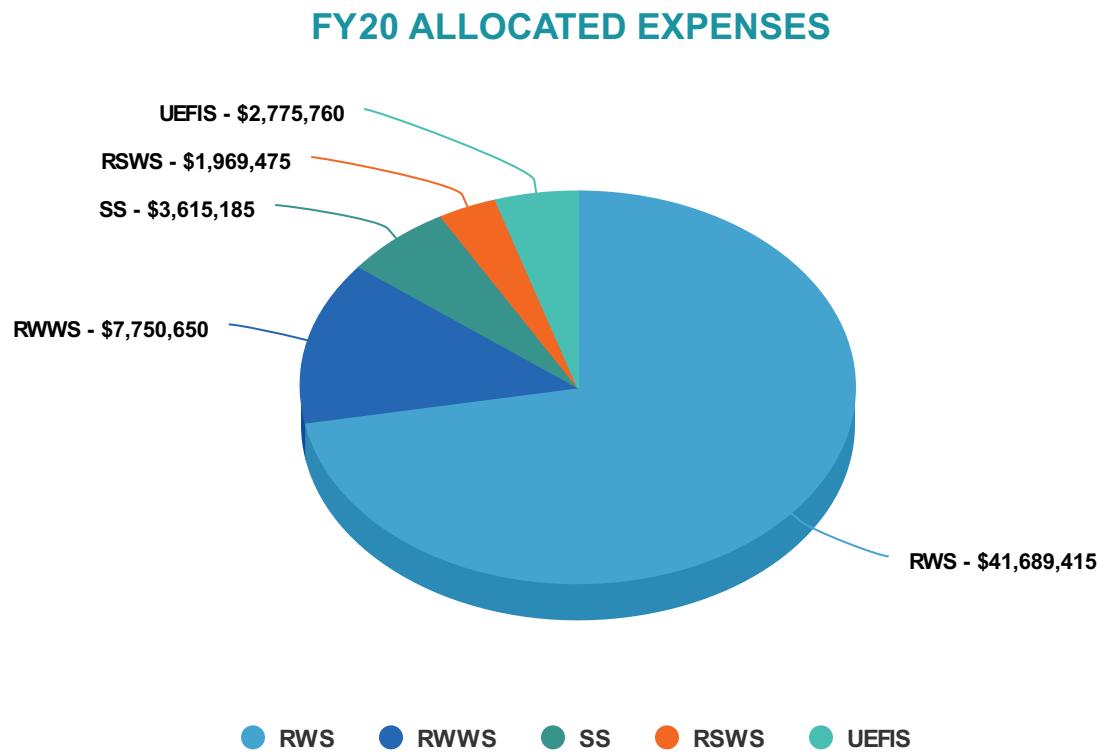
Support Fund expenditures for FY20 are \$60,926,985, which is (\$586,190) or -0.95% less than the FY19 Budget. Major budget variances are explained below:

- An increase in Personnel expenses of \$3,694,515 to fund 19 new positions and market / merit based adjustments for existing staff.
- Capital Outlay increased \$679,500 driven by Vehicle and Non-Vehicle Equipment purchases for the Engineering, Facilities Services, Technical Services & Safety departments. These costs are partially offset by lower Office and Laboratory Equipment.
- Supplies increased \$528,945 due to an increase in Computer Supplies, Pipeline Supplies, Fuel, Oil and Lube and various other accounts.
- Services decreased (\$5,489,150) which is primarily driven by Electric Power within the Facilities Services department. In prior years, Facilities Services was housed within the RWS and was responsible for a portion of the RWS Electric Power budget. With the creation of the Support Fund, Facilities Services was moved out of the RWS and into the Support Fund. The Electric Power budget was for the RWS and was therefore moved to the Transmission department within the RWS.

Cost Allocation

The Support Fund is an internal service fund and all expenses must be allocated to the Operating Systems. Each year, as part of the budgeting process, the District reviews its 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:



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.

FY20 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	FY19	FY20	Difference
Full-Time Positions			
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	1.0	1.0	-
Total Full-Time Positions	11.0	12.0	1.0

Expense Detail

General 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
Personnel						
511000 - Supervision	\$ 1,002,708	\$ 1,035,635	\$ 1,136,725	\$ 1,215,300	\$ 179,665	17.35%
511030 - Skilled	618,245	745,600	639,370	762,935	17,335	2.32%
511070 - Board of Directors	113,700	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	100,510	100,900	107,475	113,600	12,700	12.59%
513000 - Workers' Comp Ins	3,352	3,830	3,435	3,825	(5)	-0.13%
513010 - Unemployment Ins	494	-	-	-	-	0.00%
513020 - Hospitalization Ins	141,804	159,710	147,405	169,125	9,415	5.90%
513040 - Dental Ins	8,910	10,105	8,930	9,810	(295)	-2.92%
513060 - Life Ins	3,496	3,685	3,945	4,190	505	13.70%
514000 - Retirement	390,595	191,310	318,215	375,955	184,645	96.52%
514010 - Retiree - Insurance	45,165	39,030	39,030	38,360	(670)	-1.72%
515000 - Cell Phone Stipend	4,680	5,280	5,280	5,760	480	9.09%
Personnel Total	\$ 2,437,259	\$ 2,423,685	\$ 2,538,410	\$ 2,827,460	\$ 403,775	16.66%
Supplies						
520100 - Office Supplies	\$ 3,260	\$ 4,050	\$ 4,050	\$ 4,050	\$ -	0.00%
520110 - Computer Supplies	6,468	9,650	9,650	9,650	-	0.00%
520200 - Xerox Supplies	26,756	20,000	20,000	30,000	10,000	50.00%
520300 - Clothing Supplies	104	-	-	-	-	0.00%
520600 - Fuel, Oil and Lube	1,180	1,750	1,750	1,750	-	0.00%
520630 - Toll Fees	31	200	200	200	-	0.00%
521110 - Safety Supplies	(2,213)	-	-	-	-	0.00%
521700 - Building Supplies	12,425	9,800	9,800	9,800	-	0.00%
521900 - Vehicle Supplies	126	220	220	220	-	0.00%
521910 - Tires and Tubes	-	500	500	500	-	0.00%
Supplies Total	\$ 48,137	\$ 46,170	\$ 46,170	\$ 56,170	\$ 10,000	21.66%
Services						
530100 - Audit	\$ 252,563	\$ -	\$ -	\$ -	\$ -	0.00%
530300 - Automotive Insurance	1,150	1,195	1,275	1,375	180	15.06%
530400 - Fire & Exten Cov Ins	2,101	2,445	2,405	17,295	14,850	607.36%
530500 - Employee Bonds	8,281	9,115	9,115	9,715	600	6.58%
530510 - Directors & Officers Ins	163,298	150,000	150,000	175,105	25,105	16.74%
531020 - Internet Service	22,148	19,200	19,200	18,720	(480)	-2.50%
531100 - Electric Power	42,778	50,000	50,000	40,000	(10,000)	-20.00%
531110 - Nat Gas, Butane & Kero	18,498	20,000	20,000	19,000	(1,000)	-5.00%
531120 - Retail Water Service	3,523	3,500	3,500	3,500	-	0.00%
531300 - Engin/Consultant Svc	56,527	70,000	95,000	40,000	(30,000)	-42.86%
531310 - Special Studies & Rpts	65,331	30,000	30,000	30,000	-	0.00%
531400 - Legal Service	85,775	82,000	82,000	82,000	-	0.00%
531410 - Legal Service, P.A.	2,448,442	1,830,000	3,294,975	1,830,000	-	0.00%
531490 - Raw Water Development	461,678	735,000	435,000	475,000	(260,000)	-35.37%
531500 - Planning & Development	174,362	232,600	232,600	160,600	(72,000)	-30.95%

Expense Detail (continued)

General 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
Services (continued)						
531600 - Printing & Binding	\$ 452	\$ 500	\$ 500	\$ 500	-	0.00%
531700 - Advertising	120	-	-	-	-	0.00%
531900 - Travel and Training	109,785	162,780	162,780	162,780	-	0.00%
532000 - Mem & Subscriptions	155,922	158,760	158,760	158,760	-	0.00%
532010 - Mem & Sub -Special	142	-	-	-	-	0.00%
532100 - Vehicle Maint	8	500	500	500	-	0.00%
532110 - Veh Maint by Solid Waste	196	200	200	200	-	0.00%
532300 - Postage	19,501	20,000	20,000	20,000	-	0.00%
532850 - Building Maintenance	15,598	1,600	1,600	1,600	-	0.00%
533030 - Contractual Safety Serv	351,692	3,560	3,560	3,560	-	0.00%
Services Total	\$ 4,459,870	\$ 3,582,955	\$ 4,772,970	\$ 3,250,210	\$ (332,745)	-9.29%
Capital Outlay						
540400 - Office Equipment	\$ 39,205	\$ -	\$ -	\$ -	-	0.00%
Capital Outlay Total	\$ 39,205	\$ -	\$ -	\$ -	-	0.00%
Special Projects						
560000 - Special Projects	\$ 14,391	\$ 75,000	\$ 75,000	\$ 75,000	-	0.00%
Special Projects Total	\$ 14,391	\$ 75,000	\$ 75,000	\$ 75,000	-	0.00%
Grand Total	\$ 6,998,861	\$ 6,127,810	\$ 7,432,550	\$ 6,208,840	\$ 81,030	1.32%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$81,030 from the FY19 Original Budget. Major variances are explained below.

- Personnel increased due to one new headcount and market / merit based adjustments.
- Raw Water Development decreased based on lower expectations.
- Planning & Development decreased due to less need.

Public Relations Department

Overview

The Public Relations (PR) Department is responsible for the development, implementation and management of the NTMWD overall strategic communications, public information and corporate communications, including Member City and Customer communication resources, issues analysis and management, public outreach/engagement, media relations, online presence and governmental/agency relations support. The department provides public relations consultation 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 strategies, messages, communications, presentations and events. Through these avenues, the PR department helps keep the public and key stakeholders informed, build trust and understanding and advance NTMWD operations, policies, programs and projects.

FY2020 Department Objectives (Supporting Strategic Goals)

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

- The Public Relations department goals 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. Key topics and projects requiring public relations support for FY20 include: Bois d'Arc Lake and other capital projects in all three services; water quality; rate/cost increases; cost drivers and efficiencies and emergency response planning. The team develops and implements strategic communication and outreach plans for external and internal stakeholders.

Major Budget Drivers

- Consultant support for crisis communications, emergency response and media relations.
- Consultant support for website content management, maintenance, graphic design and video production.
- Public information tools: fact sheets, social media, e-newsletters, displays, annual report, videos, photos, infographics.
- Tours, outreach and partnering events for Member City and Customer officials, staff, community leaders.
- Open houses and updates for property owners and neighbors near NTMWD projects.

Position Summary

Public Relations Department		FY19	FY20	Difference
Full-Time Positions				
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	-
Total Full-Time Positions		4.0	4.0	-

Expense Detail

Expense Category	2017-18 Actual	2018-19	2018-19	2019-20	Variance \$	Variance %
		Original Budget	Amended Budget	Proposed Budget	To Original Budget	To Original Budget
Personnel						
511000 - Supervision	\$ 129,150	\$ 135,610	\$ 137,005	\$ 143,850	\$ 8,240	6.08%
511020 - Clerical	47,344	50,315	50,055	52,560	2,245	4.46%
511030 - Skilled	77,295	142,825	161,430	171,635	28,810	20.17%
511060 - Overtime	463	-	-	-	-	0.00%
512000 - Social Security	19,021	24,700	26,145	27,475	2,775	11.23%

Expense Detail (continued)

Public Relations 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
Personnel (continued)						
513000 - Workers' Comp Ins	\$ 511	\$ 710	\$ 675	\$ 710	\$ -	0.00%
513010 - Unemployment Ins	494	-	-	-	-	0.00%
513020 - Hospitalization Ins	20,688	27,100	29,975	37,860	10,760	39.70%
513040 - Dental Ins	2,257	2,620	2,995	3,375	755	28.82%
513060 - Life Ins	538	720	800	800	80	11.11%
514000 - Retirement	26,935	28,480	28,480	43,195	14,715	51.67%
514010 - Retiree - Insurance	5,325	5,810	5,810	9,670	3,860	66.44%
514020 - Comp Absences-vacation	2,610	-	-	570	570	0.00%
515000 - Cell Phone Stipend	1,400	1,920	1,920	1,920	-	0.00%
Personnel Total	\$ 334,031	\$ 420,810	\$ 445,290	\$ 493,620	\$ 72,810	17.30%
Supplies						
520100 - Office Supplies	\$ 702	\$ 500	\$ 500	\$ 500	\$ -	0.00%
520110 - Computer Supplies	9,158	2,270	3,765	3,840	1,570	69.16%
520120 - Photo and Video Supplies	878	1,000	1,195	1,000	-	0.00%
520600 - Fuel, Oil and Lube	88	2,000	1,810	2,000	-	0.00%
521110 - Safety Supplies	-	-	190	-	-	0.00%
521900 - Vehicle Supplies	335	250	250	250	-	0.00%
521910 - Tires and Tubes	-	200	5	200	-	0.00%
523000 - Other Supplies	87	-	-	-	-	0.00%
Supplies Total	\$ 11,247	\$ 6,220	\$ 7,715	\$ 7,790	\$ 1,570	25.24%
Services						
530300 - Automotive Insurance	\$ 251	\$ 275	\$ 250	\$ 270	\$ (5)	-1.82%
531020 - Internet Service	1,685	1,825	1,825	2,160	335	18.36%
531030 - Web Site Serv	22,697	24,000	24,000	31,200	7,200	30.00%
531300 - Engin/Consultant Svc	46,500	48,000	48,000	48,000	-	0.00%
531310 - Special Studies & Rpts	15,467	12,000	12,000	12,000	-	0.00%
531500 - Planning & Development	22,262	22,500	21,005	22,500	-	0.00%
531700 - Advertising	45,277	52,500	52,500	52,500	-	0.00%
531900 - Travel and Training	4,854	7,800	7,800	7,800	-	0.00%
532000 - Mem & Subscriptions	2,256	3,180	3,180	4,105	925	29.09%
532100 - Vehicle Maint	8	100	100	100	-	0.00%
532110 - Veh Maint by Solid Waste	92	260	260	260	-	0.00%
Services Total	\$ 161,349	\$ 172,440	\$ 170,920	\$ 180,895	\$ 8,455	4.90%
Grand Total	\$ 506,627	\$ 599,470	\$ 623,925	\$ 682,305	\$ 82,835	13.82%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$82,835 from the FY19 Original Budget. Major variances are explained below.

- Personnel increased due to 2019 mid-year hire now budgeted for a full year and market / merit adjustments.
- Website Services increased to provide additional support for the Bois d'Arc Lake website.

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.

FY2020 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

- Support major rehabilitation efforts that exceed the reasonable scope of annual operations or maintenance budgets.

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

- 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

- Maintain training and current practices awareness for engineering and construction management staff.

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		FY19	FY20	Difference
Full-Time Positions				
Administrative Technician	5.0	5.0	-	
Assistant Construction Manager	1.0	1.0	-	
Assistant Deputy (CIP)	1.0	0.9	(0.1)	
Assistant Deputy (Engineering)	1.0	1.0	-	
Construction Inspector I	19.0	19.0	-	
Construction Inspector II	9.0	12.0	3.0	
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	22.0	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	-	
Total Full-Time Positions	87.0	91.9	4.9	

Expense Detail

Engineering 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
Personnel						
511000 - Supervision	\$ 2,070,499	\$ 2,396,810	\$ 2,123,640	\$ 2,581,130	\$ 184,320	7.69%
511020 - Clerical	167,559	225,025	228,360	241,320	16,295	7.24%
511030 - Skilled	3,898,186	4,596,465	4,647,825	4,983,135	386,670	8.41%
511060 - Overtime	152,483	153,000	153,000	153,000	-	0.00%
512000 - Social Security	463,578	541,765	523,765	586,270	44,505	8.21%
513000 - Workers' Comp Ins	41,222	48,590	42,785	47,510	(1,080)	-2.22%
513010 - Unemployment Ins	1,768	-	-	-	-	0.00%
513020 - Hospitalization Ins	932,406	1,084,945	1,100,815	1,170,180	85,235	7.86%
513040 - Dental Ins	51,350	57,955	59,135	61,745	3,790	6.54%
513060 - Life Ins	13,941	15,820	15,875	17,075	1,255	7.93%
514000 - Retirement	773,876	788,435	788,435	916,045	127,610	16.19%
514010 - Retiree - Insurance	152,975	160,840	160,840	159,820	(1,020)	-0.63%
514020 - Comp Absences-vacation	57,675	38,215	38,215	40,045	1,830	4.79%
514030 - Comp Absences-sick	-	11,750	11,750	107,720	95,970	816.77%
515000 - Cell Phone Stipend	29,040	33,120	33,120	35,950	2,830	8.54%
Personnel Total	\$ 8,806,559	\$ 10,152,735	\$ 9,927,560	\$ 11,100,945	\$ 948,210	9.34%

Expense Detail (continued)

Engineering 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
Supplies						
520100 - Office Supplies	\$ 13,211	\$ 24,440	\$ 17,940	\$ 40,440	\$ 16,000	65.47%
520110 - Computer Supplies	125,183	321,480	313,480	317,055	(4,425)	-1.38%
520200 - Xerox Supplies	16,362	15,425	15,425	15,425	-	0.00%
520300 - Clothing Supplies	17,421	22,425	31,425	29,210	6,785	30.26%
520600 - Fuel, Oil and Lube	104,697	90,000	90,000	108,000	18,000	20.00%
520630 - Toll Fees	6,860	5,900	5,900	7,200	1,300	22.03%
520800 - Small Tools & Equip	6,279	17,780	17,780	13,300	(4,480)	-25.20%
521110 - Safety Supplies	20,621	58,670	42,670	42,140	(16,530)	-28.17%
521500 - Mechanical Supplies	151	-	-	-	-	0.00%
521700 - Building Supplies	33,884	10,000	30,000	10,000	-	0.00%
521800 - Engineering Supplies	5,142	10,410	10,410	10,350	(60)	-0.58%
521900 - Vehicle Supplies	7,775	19,100	19,100	18,950	(150)	-0.79%
521910 - Tires and Tubes	4,573	16,500	16,500	16,500	-	0.00%
Supplies Total	\$ 362,156	\$ 612,130	\$ 610,630	\$ 628,570	\$ 16,440	2.69%
Services						
530300 - Automotive Insurance	\$ 34,964	\$ 39,125	\$ 34,660	\$ 38,865	\$ (260)	-0.66%
531000 - Telephone	3,789	7,830	7,830	6,000	(1,830)	-23.37%
531020 - Internet Service	32,997	41,400	41,400	43,660	2,260	5.46%
531100 - Electric Power	10,329	12,000	12,000	12,000	-	0.00%
531110 - Nat Gas, Butane & Kero	1,065	13,020	13,020	13,020	-	0.00%
531120 - Retail Water Service	980	7,920	7,920	7,920	-	0.00%
531300 - Engin/Consultant Svc	67,344	100,000	100,000	-	(100,000)	-100.00%
531400 - Legal Service	223	10,000	16,000	10,000	-	0.00%
531700 - Advertising	4,614	20,000	20,000	20,000	-	0.00%
531800 - Rent or Lease Payment	8,400	8,400	20,400	8,400	-	0.00%
531900 - Travel and Training	24,152	100,655	82,655	100,655	-	0.00%
532000 - Mem & Subscriptions	3,994	6,220	6,220	5,095	(1,125)	-18.09%
532100 - Vehicle Maint	1,764	5,000	5,000	6,120	1,120	22.40%
532110 - Veh Maint by Solid Waste	9,011	15,000	15,000	18,000	3,000	20.00%
532300 - Postage	918	500	2,000	2,000	1,500	300.00%
532850 - Building Maintenance	5,091	15,000	15,000	15,000	-	0.00%
533020 - Contract Labor	1,829	-	-	-	-	0.00%
533300 - Maintenance Services	-	-	-	8,000	8,000	0.00%
534000 - Uninsured losses	1,736	-	-	-	-	0.00%
Services Total	\$ 213,198	\$ 402,070	\$ 399,105	\$ 314,735	\$ (87,335)	-21.72%
Capital Outlay						
540300 - Vehicle Equipment	\$ 95,289	\$ 131,200	\$ 131,200	\$ 192,500	\$ 61,300	46.72%
Capital Outlay Total	\$ 95,289	\$ 131,200	\$ 131,200	\$ 192,500	\$ 61,300	46.72%
Grand Total	\$ 9,477,202	\$ 11,298,135	\$ 11,068,495	\$ 12,236,750	\$ 938,615	8.31%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$938,615 from the FY19 Original Budget. Major variances are explained below.

- Personnel increased due to five new head count and market / merit based adjustments.
- Fuel, Oil and Lube increased based on new vehicle purchases.
- Engin/Consultant Svc decreased based on lower expected need.
- Vehicle Equipment increased to purchase vehicles for new inspectors and replace 2 existing trucks.

Permitting Department

Overview

The Permitting Department is responsible for the monitoring, development and submittal 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.

FY2020 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.
- Participate in shoreline management team.
- Develop information to identify and pursue the next major water source.
- Complete timely permits to assist 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 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	FY19	FY20	Difference
Full-Time Positions			
Assistant Deputy (CIP)	-	0.1	0.1
Environmental Manager	1.0	1.0	-
Permit Coordinator	1.0	1.0	-
Total Full-Time Positions	2.0	2.1	0.1

Expense Detail

Permitting 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
Personnel						
511000 - Supervision	\$ 294,975	\$ 136,305	\$ 136,250	\$ 158,495	\$ 22,190	16.28%
511030 - Skilled	63,670	69,440	87,305	91,665	22,225	32.01%
512000 - Social Security	26,028	15,245	16,795	18,755	3,510	23.02%
513000 - Workers' Comp Ins	906	445	2,925	3,025	2,580	579.78%
513020 - Hospitalization Ins	35,955	27,100	28,965	27,100	-	0.00%
513040 - Dental Ins	1,878	1,450	1,415	1,495	45	3.10%
513060 - Life Ins	777	440	505	530	90	20.45%
514000 - Retirement	48,865	42,830	42,830	29,360	(13,470)	-31.45%
514010 - Retiree - Insurance	9,660	8,735	8,735	5,120	(3,615)	-41.39%
514020 - Comp Absences-vacation	13,660	6,525	6,525	-	(6,525)	-100.00%
514030 - Comp Absences-sick	30,825	-	-	35,805	35,805	0.00%
515000 - Cell Phone Stipend	1,400	960	960	1,010	50	5.21%
Personnel Total	\$ 528,599	\$ 309,475	\$ 333,210	\$ 372,360	\$ 62,885	20.32%
Supplies						
520100 - Office Supplies	\$ 259	\$ 2,000	\$ 2,000	\$ 2,000	\$ -	0.00%
520110 - Computer Supplies	614	4,395	4,395	5,440	1,045	23.78%
520300 - Clothing Supplies	-	80	80	1,690	1,610	2012.50%
520600 - Fuel, Oil and Lube	1,081	3,000	2,500	1,500	(1,500)	-50.00%
520630 - Toll Fees	-	300	300	150	(150)	-50.00%
521110 - Safety Supplies	-	550	550	880	330	60.00%
521900 - Vehicle Supplies	161	400	400	200	(200)	-50.00%
521910 - Tires and Tubes	-	350	350	350	-	0.00%
Supplies Total	\$ 2,116	\$ 11,075	\$ 10,575	\$ 12,210	\$ 1,135	10.25%
Services						
530300 - Automotive Insurance	\$ 738	\$ 800	\$ 725	\$ 780	\$ (20)	-2.50%
531020 - Internet Service	1,304	2,880	2,880	1,080	(1,800)	-62.50%
531310 - Special Studies & Rpts	30,000	30,000	30,000	60,000	30,000	100.00%
531400 - Legal Service	-	20,000	20,000	10,000	(10,000)	-50.00%
531490 - Raw Water Development	145,141	250,250	250,250	500,250	250,000	99.90%
531900 - Travel and Training	2,323	11,700	11,700	13,400	1,700	14.53%
532000 - Mem & Subscriptions	-	1,405	1,405	1,050	(355)	-25.27%
532100 - Vehicle Maint	8	-	150	-	-	0.00%
532110 - Veh Maint by Solid Waste	243	1,360	1,210	680	(680)	-50.00%
532300 - Postage	363	200	700	200	-	0.00%
Services Total	\$ 180,120	\$ 318,595	\$ 319,020	\$ 587,440	\$ 268,845	84.38%
Grand Total	\$ 710,834	\$ 639,145	\$ 662,805	\$ 972,010	\$ 332,865	52.08%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$332,865 from the FY19 Original Budget. Major variances are explained below.

- Personnel increased due to market / merit based adjustments.
- Raw Water Development increased to cover additional raw water development in the Sulphur River Basin.
- Special Studies & Reports increased to cover endangered species studies.

Control Systems Department

Overview

Control Systems 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.

FY2020 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		FY19	FY20	Difference
Full-Time Positions				
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
Total Full-Time Positions		-	9.1	9.1

Expense Detail

Control Systems 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
Personnel						
511000 - Supervision	\$ -	\$ -	\$ -	\$ 271,460	\$ 271,460	0.00%
511030 - Skilled	-	-	-	470,845	470,845	0.00%
511060 - Overtime	-	-	-	12,500	12,500	0.00%
512000 - Social Security	-	-	-	55,120	55,120	0.00%
513000 - Workers' Comp Ins	-	-	-	6,425	6,425	0.00%
513020 - Hospitalization Ins	-	-	-	78,710	78,710	0.00%
513040 - Dental Ins	-	-	-	2,320	2,320	0.00%
513060 - Life Ins	-	-	-	1,630	1,630	0.00%
514000 - Retirement	-	-	-	87,115	87,115	0.00%
514010 - Retiree - Insurance	-	-	-	15,200	15,200	0.00%
514020 - Comp Absences-vacation	-	-	-	12,740	12,740	0.00%
515000 - Cell Phone Stipend	-	-	-	3,410	3,410	0.00%
Personnel Total	\$ -	\$ -	\$ -	\$ 1,017,475	\$ 1,017,475	0.00%
Supplies						
520100 - Office Supplies	\$ -	\$ -	\$ -	\$ 1,000	\$ 1,000	0.00%
520110 - Computer Supplies	-	-	-	240,000	240,000	0.00%
520300 - Clothing Supplies	-	-	-	1,800	1,800	0.00%
520600 - Fuel, Oil and Lube	-	-	-	4,000	4,000	0.00%
520800 - Small Tools & Equip	-	-	-	600	600	0.00%
520820 - Expendable Supplies	-	-	-	250	250	0.00%
521100 - Medical Supplies	-	-	-	200	200	0.00%
521110 - Safety Supplies	-	-	-	3,130	3,130	0.00%
521900 - Vehicle Supplies	-	-	-	1,100	1,100	0.00%
521910 - Tires and Tubes	-	-	-	1,500	1,500	0.00%
Supplies Total	\$ -	\$ -	\$ -	\$ 253,580	\$ 253,580	0.00%
Services						
530300 - Automotive Insurance	\$ -	\$ -	\$ -	\$ 3,210	\$ 3,210	0.00%
531020 - Internet Service	-	-	-	4,320	4,320	0.00%
531310 - Special Studies & Rpts	-	-	-	250,000	250,000	0.00%
531900 - Travel and Training	-	-	-	16,500	16,500	0.00%
532000 - Mem & Subscriptions	-	-	-	1,140	1,140	0.00%
532100 - Vehicle Maint	-	-	-	1,585	1,585	0.00%
532110 - Veh Maint by Solid Waste	-	-	-	3,000	3,000	0.00%
533020 - Contract Labor	-	-	-	15,000	15,000	0.00%
Services Total	\$ -	\$ -	\$ -	\$ 294,755	\$ 294,755	0.00%
Grand Total	\$ -	\$ -	\$ -	\$ 1,565,810	\$ 1,565,810	0.00%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$1,565,810 from the FY19 Original Budget. Major variances are explained below.

- The Control Systems budget was previously included as part of the Technical Services budget.

Facilities Services Department

Overview

Facilities Services 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.

FY2020 Department Objectives (Supporting Strategic Goals)

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

- Continue to support CMOM plan.
- 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.
- 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 District 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		FY19	FY20	Difference
Full-Time Positions				
Administrative Technician	1.00	1.00		-
Assistant Deputy (Maintenance)	0.50	0.45	(0.05)	
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	6.00	7.00	1.00	
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	18.00	20.00	2.00	
Painting / Carpentry Crewleader	1.00	1.00		-
Pipeline Crewleader	2.00	2.00		-
Total Full-Time Positions	61.50	64.45	2.95	

Expense Detail

Facilities Services 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
Personnel						
511000 - Supervision	\$ 646,125	\$ 662,445	\$ 650,620	\$ 673,025	\$ 10,580	1.60%
511020 - Clerical	42,751	45,295	45,385	47,655	2,360	5.21%
511030 - Skilled	818,691	945,930	913,230	983,440	37,510	3.97%
511040 - Labor	1,424,670	1,531,830	1,502,120	1,711,395	179,565	11.72%
511060 - Overtime	484,450	327,500	315,000	327,500	-	0.00%
512000 - Social Security	251,815	243,690	250,015	261,275	17,585	7.22%
513000 - Workers' Comp Ins	107,900	109,980	114,585	116,615	6,635	6.03%
513020 - Hospitalization Ins	670,977	731,080	715,495	751,605	20,525	2.81%
513040 - Dental Ins	34,119	38,525	37,270	38,955	430	1.12%
513060 - Life Ins	7,125	7,460	7,550	7,980	520	6.97%
514000 - Retirement	378,006	363,940	363,940	400,835	36,895	10.14%
514010 - Retiree - Insurance	74,720	74,245	74,245	69,935	(4,310)	-5.81%
514020 - Comp Absences-vacation	21,970	17,480	17,480	21,980	4,500	25.74%
514030 - Comp Absences-sick	15,360	67,525	67,525	-	(67,525)	-100.00%
515000 - Cell Phone Stipend	26,820	26,160	26,160	30,935	4,775	18.25%
Personnel Total	\$ 5,005,500	\$ 5,193,085	\$ 5,100,620	\$ 5,443,130	\$ 250,045	4.81%

Expense Detail (continued)

Facilities Services 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
Supplies						
520100 - Office Supplies	\$ 3,046	\$ 3,130	\$ 10,400	\$ 3,500	\$ 370	11.82%
520110 - Computer Supplies	32,911	35,135	29,595	35,135	-	0.00%
520200 - Xerox Supplies	5,574	3,000	6,000	5,000	2,000	66.67%
520300 - Clothing Supplies	32,241	34,270	43,550	36,000	1,730	5.05%
520600 - Fuel, Oil and Lube	163,618	149,045	149,045	160,000	10,955	7.35%
520620 - Fuel Control	4,617	-	-	-	-	0.00%
520700 - Machine Oil & Lube	2,601	4,385	4,735	3,885	(500)	-11.40%
520800 - Small Tools & Equip	56,589	45,850	75,850	57,100	11,250	24.54%
520810 - Fire Extinguishers	762	800	800	800	-	0.00%
520820 - Expendable Supplies	17,738	6,000	10,000	10,000	4,000	66.67%
520900 - Janitorial Supplies	25,521	25,000	25,000	25,000	-	0.00%
521100 - Medical Supplies	901	900	1,400	900	-	0.00%
521110 - Safety Supplies	57,875	48,585	48,585	60,835	12,250	25.21%
521200 - Chem - Other	28,790	26,995	26,995	26,995	-	0.00%
521300 - Botanical Supplies	12,497	13,100	8,340	13,100	-	0.00%
521400 - Electrical Supplies	82,364	64,200	76,050	64,200	-	0.00%
521500 - Mechanical Supplies	43,090	55,000	25,000	55,000	-	0.00%
521600 - Pipeline Supplies	232,838	314,065	464,065	414,065	100,000	31.84%
521610 - Meter Supplies	42,141	112,800	105,800	66,800	(46,000)	-40.78%
521700 - Building Supplies	36,176	12,200	13,000	21,000	8,800	72.13%
521900 - Vehicle Supplies	33,375	19,830	36,700	28,000	8,170	41.20%
521910 - Tires and Tubes	20,672	16,950	29,585	20,000	3,050	17.99%
522000 - Equipment Supplies	66,491	30,000	60,000	50,000	20,000	66.67%
Supplies Total	\$ 1,002,426	\$ 1,021,240	\$ 1,250,495	\$ 1,157,315	\$ 136,075	13.32%
Services						
530300 - Automotive Insurance	\$ 53,211	\$ 55,880	\$ 51,415	\$ 56,305	\$ 425	0.76%
530400 - Fire & Exten Cov Ins	26,719	29,875	38,450	45,575	15,700	52.55%
531000 - Telephone	216	32,865	365	32,865	-	0.00%
531020 - Internet Service	10,213	10,800	10,800	15,120	4,320	40.00%
531100 - Electric Power	7,453,688	5,819,220	5,819,220	-	(5,819,220)	-100.00%
531110 - Nat Gas, Butane & Kero	108	2,800	1,600	2,800	-	0.00%
531310 - Special Studies & Rpts	-	150,000	100,000	-	(150,000)	-100.00%
531700 - Advertising	287	500	500	500	-	0.00%
531800 - Rent or Lease Payment	22,578	45,000	112,000	45,000	-	0.00%
531900 - Travel and Training	7,605	8,420	15,535	11,420	3,000	35.63%
531910 - Education and Training	1,474	500	1,385	500	-	0.00%
532000 - Mem & Subscriptions	-	450	450	450	-	0.00%
532100 - Vehicle Maint	8,589	7,785	22,785	7,785	-	0.00%
532110 - Veh Maint by Solid Waste	14,991	9,500	15,985	11,500	2,000	21.05%
532200 - Equipment Maintenance	135,894	967,625	569,915	865,380	(102,245)	-10.57%
532210 - Special Maintenance	9,629	20,000	5,000	20,000	-	0.00%
532220 - Pipeline Maintenance	1,482,921	750,000	451,000	700,000	(50,000)	-6.67%
532300 - Postage	-	250	250	250	-	0.00%

Expense Detail (continued)

Facilities Services 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
Services (continued)						
532800 - Grounds Maintenance	\$ 7,240	\$ 11,200	\$ 20,000	\$ 11,200	\$ -	0.00%
532810 - Grounds Maint - Contract	69,557	75,000	75,125	75,000	\$ -	0.00%
532850 - Building Maintenance	19,048	2,600	32,970	8,200	5,600	215.38%
533000 - Other Services	24,787	18,900	19,400	9,600	(9,300)	-49.21%
533030 - Contractual Safety Serv	415	150	2,500	-	(150)	-100.00%
533900 - Permits, Ins, & Lic Fees	1,852	1,800	3,200	3,200	1,400	77.78%
534000 - Uninsured losses	42,026	-	14,250	-	-	0.00%
Services Total	\$ 9,393,049	\$ 8,021,120	\$ 7,384,100	\$ 1,922,650	\$ (6,098,470)	-76.03%
Capital Outlay						
540300 - Vehicle Equipment	\$ 526,033	\$ 50,000	\$ 47,395	\$ 358,000	\$ 308,000	616.00%
540700 - Non-Vehicle Equipment	76,462	31,300	49,980	435,500	404,200	1291.37%
Capital Outlay Total	\$ 602,495	\$ 81,300	\$ 97,375	\$ 793,500	\$ 712,200	876.01%
Grand Total	\$ 16,003,470	\$ 14,316,745	\$ 13,832,590	\$ 9,316,595	\$ (5,000,150)	-34.93%

Major FY20 Budget Items

The department's FY20 Proposed Budget has decreased by \$5,000,150 from the FY19 Original Budget. Major variances are explained below.

- Personnel increased due to three additional headcount and market / merit based adjustments.
- Pipeline Supplies increased to purchase additional emergency stock.
- Electric Power decreased as that budget is now managed by Transmission Systems in the RWS.
- Capital Outlay increased for the purchase of Vehicle and Non-Vehicle Equipment including a water truck and a skid mounted vacuum unit.

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.

FY2020 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 District 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	FY19	FY20	Difference
Full-Time Positions			
Administrative Technician	1.00	1.00	-
Assistant Deputy (Maintenance)	0.50	0.45	(0.05)
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	-
Control Systems Manager	1.00	-	(1.00)
Control Systems Senior Technician	3.00	-	(3.00)
Control Systems Supervisor	1.00	-	(1.00)
Control Systems Technician	1.00	-	(1.00)
Electrical Maintenance Manager	0.50	0.50	-
Electrical Superintendent	1.00	1.00	-
Electrical Technician	1.00	1.00	-
Electrician	10.00	11.00	1.00
Electrician II	3.00	3.00	-
Graduate Engineer - Control Systems	1.00	-	(1.00)
Information Technology Supervisor (Control System Sr Tech - In Lieu Of)	1.00	-	(1.00)
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	8.00	9.00	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	-
Total Full-Time Positions	101.50	95.45	(6.05)

Expense Detail

Technical Services 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
Personnel						
511000 - Supervision	\$ 1,206,692	\$ 1,467,640	\$ 1,453,165	\$ 1,260,410	\$ (207,230)	-14.12%
511020 - Clerical	49,226	51,705	51,985	54,580	2,875	5.56%
511030 - Skilled	4,233,849	5,063,735	4,923,115	4,958,640	(105,095)	-2.08%
511060 - Overtime	687,389	515,000	527,500	515,000	-	0.00%
512000 - Social Security	455,599	499,835	505,365	479,895	(19,940)	-3.99%
513000 - Workers' Comp Ins	200,751	211,075	196,815	198,800	(12,275)	-5.82%
513010 - Unemployment Ins	5,691	-	-	-	-	0.00%
513020 - Hospitalization Ins	1,160,922	1,294,200	1,322,515	1,312,780	18,580	1.44%
513040 - Dental Ins	63,383	71,315	70,960	71,785	470	0.66%
513060 - Life Ins	12,955	14,825	14,890	14,075	(750)	-5.06%
514000 - Retirement	709,190	688,920	688,920	736,260	47,340	6.87%
514010 - Retiree - Insurance	140,190	140,540	140,540	128,450	(12,090)	-8.60%
514020 - Comp Absences-vacation	59,100	35,760	35,760	38,945	3,185	8.91%
514030 - Comp Absences-sick	71,165	40,005	40,005	129,945	89,940	224.82%
515000 - Cell Phone Stipend	40,700	46,800	46,800	43,895	(2,905)	-6.21%
Personnel Total	\$ 9,096,801	\$ 10,141,355	\$ 10,018,335	\$ 9,943,460	\$ (197,895)	-1.95%
Supplies						
520100 - Office Supplies	\$ 5,207	\$ 5,000	\$ 4,000	\$ 4,000	\$ (1,000)	-20.00%
520110 - Computer Supplies	107,911	200,460	170,460	74,775	(125,685)	-62.70%
520200 - Xerox Supplies	2,044	4,000	4,000	4,000	-	0.00%
520300 - Clothing Supplies	48,093	60,370	91,225	60,370	-	0.00%
520600 - Fuel, Oil and Lube	137,512	183,500	123,500	183,500	-	0.00%
520700 - Machine Oil & Lube	1,919	2,975	1,775	2,975	-	0.00%
520800 - Small Tools & Equip	82,174	69,300	69,300	74,400	5,100	7.36%
520810 - Fire Extinguishers	39	700	700	700	-	0.00%
520820 - Expendable Supplies	36,782	16,500	28,600	18,500	2,000	12.12%
521100 - Medical Supplies	506	1,000	1,150	1,000	-	0.00%
521110 - Safety Supplies	63,740	58,750	85,025	68,850	10,100	17.19%
521400 - Electrical Supplies	81,253	40,000	31,000	40,000	-	0.00%
521500 - Mechanical Supplies	286	5,000	15,000	10,000	5,000	100.00%
521610 - Meter Supplies	99	-	-	-	-	0.00%
521700 - Building Supplies	36,817	11,500	10,000	11,500	-	0.00%
521900 - Vehicle Supplies	34,132	24,600	29,000	26,100	1,500	6.10%
521910 - Tires and Tubes	15,220	21,740	18,740	21,740	-	0.00%
522000 - Equipment Supplies	9,640	5,000	22,500	6,500	1,500	30.00%
522100 - Welding Supplies	27,902	22,000	20,500	20,000	(2,000)	-9.09%
Supplies Total	\$ 691,274	\$ 732,395	\$ 726,475	\$ 628,910	\$ (103,485)	-14.13%

Expense Detail (continued)

Technical Services 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
Services						
530300 - Automotive Insurance	\$ 49,940	\$ 56,565	\$ 50,390	\$ 51,495	\$ (5,070)	-8.96%
530400 - Fire & Exten Cov Ins	3,026	3,525	4,130	4,895	1,370	38.87%
531000 - Telephone	2,787	3,000	3,000	3,000	-	0.00%
531020 - Internet Service	30,518	28,520	31,405	26,300	(2,220)	-7.78%
531100 - Electric Power	527	5,000	5,000	5,000	-	0.00%
531110 - Nat Gas, Butane & Kero	1,382	5,000	3,000	3,000	(2,000)	-40.00%
531120 - Retail Water Service	-	5,000	3,000	3,000	(2,000)	-40.00%
531400 - Legal Service	6,153	5,000	5,000	-	(5,000)	-100.00%
531700 - Advertising	530	500	500	500	-	0.00%
531800 - Rent or Lease Payment	50,774	23,000	63,000	40,000	17,000	73.91%
531900 - Travel and Training	42,646	55,000	50,260	40,000	(15,000)	-27.27%
531910 - Education and Training	4,542	2,000	3,800	2,000	-	0.00%
532000 - Mem & Subscriptions	240	2,640	2,640	2,640	-	0.00%
532100 - Vehicle Maint	8,201	15,055	31,500	15,055	-	0.00%
532110 - Veh Maint by Solid Waste	16,598	12,000	16,190	15,000	3,000	25.00%
532200 - Equipment Maintenance	131,157	143,500	289,110	143,500	-	0.00%
532300 - Postage	-	200	200	200	-	0.00%
532850 - Building Maintenance	7,795	22,500	30,945	22,500	-	0.00%
533020 - Contract Labor	9,563	15,000	15,000	-	(15,000)	-100.00%
533030 - Contractual Safety Serv	1,453	1,800	3,300	1,800	-	0.00%
534000 - Uninsured losses	7,096	-	2,565	-	-	0.00%
Services Total	\$ 374,925	\$ 404,805	\$ 613,935	\$ 379,885	\$ (24,920)	-6.16%
Capital Outlay						
540300 - Vehicle Equipment	\$ 336,510	\$ 120,000	\$ 275,000	\$ 203,000	\$ 83,000	69.17%
540700 - Non-Vehicle Equipment	-	170,000	152,500	61,500	(108,500)	-63.82%
Capital Outlay Total	\$ 336,510	\$ 290,000	\$ 427,500	\$ 264,500	\$ (25,500)	-8.79%
Grand Total	\$ 10,499,510	\$ 11,568,555	\$ 11,786,245	\$ 11,216,755	\$ (351,800)	-3.04%

Major FY20 Budget Items

The department's FY20 Proposed Budget has decreased by \$351,800 from the FY19 Original Budget. Major variances are explained below.

- Prior to FY20, Control Systems and Technical Services were one combined department. Beginning in FY20, Control Systems is being split out into its own department resulting in a decrease to the Technical Services budget.

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.

FY2020 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	FY19	FY20	Difference
Assistant Deputy (HR & Admin)	1.0	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	-
Total Full-Time Positions	12.0	11.5	(0.5)

Expense Detail

Human Resources 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
Personnel						
511000 - Supervision	\$ -	\$ -	\$ -	\$ 439,130	\$ 439,130	0.00%
511020 - Clerical	-	-	-	294,065	294,065	0.00%
511030 - Skilled	-	-	-	134,350	134,350	0.00%
512000 - Social Security	-	-	-	65,820	65,820	0.00%
513000 - Workers' Comp Ins	-	-	-	1,675	1,675	0.00%
513020 - Hospitalization Ins	-	-	-	136,795	136,795	0.00%
513040 - Dental Ins	-	-	-	8,035	8,035	0.00%
513060 - Life Ins	-	-	-	1,930	1,930	0.00%
514000 - Retirement	-	-	-	101,815	101,815	0.00%
514010 - Retiree - Insurance	-	-	-	17,765	17,765	0.00%
514020 - Comp Absences-vacation	-	-	-	7,460	7,460	0.00%
514030 - Comp Absences-sick	-	-	-	27,885	27,885	0.00%
515000 - Cell Phone Stipend	-	-	-	2,160	2,160	0.00%
Personnel Total	\$ -	\$ -	\$ -	\$ 1,238,885	\$ 1,238,885	0.00%
Supplies						
520100 - Office Supplies	\$ -	\$ -	\$ -	\$ 4,045	\$ 4,045	0.00%
520110 - Computer Supplies	-	-	-	3,830	3,830	0.00%
520600 - Fuel, Oil and Lube	-	-	-	1,700	1,700	0.00%
520630 - Toll Fees	-	-	-	200	200	0.00%
521900 - Vehicle Supplies	-	-	-	300	300	0.00%
Supplies Total	\$ -	\$ -	\$ -	\$ 10,075	\$ 10,075	0.00%
Services						
530300 - Automotive Insurance	\$ -	\$ -	\$ -	\$ 800	\$ 800	0.00%
531020 - Internet Service	-	-	-	1,440	1,440	0.00%
531310 - Special Studies & Rpts	-	-	-	21,500	21,500	0.00%
531400 - Legal Service	-	-	-	8,000	8,000	0.00%
531520 - Employee Programs	-	-	-	165,015	165,015	0.00%
531600 - Printing & Binding	-	-	-	800	800	0.00%
531700 - Advertising	-	-	-	6,000	6,000	0.00%
531800 - Rent or Lease Payment	-	-	-	10,320	10,320	0.00%
531900 - Travel and Training	-	-	-	26,900	26,900	0.00%
532000 - Mem & Subscriptions	-	-	-	1,960	1,960	0.00%
532110 - Veh Maint by Solid Waste	-	-	-	300	300	0.00%
533000 - Other Services	-	-	-	9,000	9,000	0.00%
533920 - Regulatory Fees & Asses	-	-	-	4,000	4,000	0.00%
Services Total	\$ -	\$ -	\$ -	\$ 256,035	\$ 256,035	0.00%
Grand Total	\$ -	\$ -	\$ -	\$ 1,504,995	\$ 1,504,995	0.00%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$1,504,995 from the FY19 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.

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).

FY2020 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
- Personnel Support and Training
- Software Licenses, Maintenance and Support

Position Summary

Records Department		FY19	FY20	Difference
Full-Time Positions				
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	-
Total Full-Time Positions		6.0	6.1	0.1

Expense Detail

Records 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
Personnel						
511000 - Supervision	\$ -	\$ -	\$ -	\$ 129,595	\$ 129,595	0.00%
511020 - Clerical	-	-	-	218,875	218,875	0.00%
511030 - Skilled	-	-	-	73,530	73,530	0.00%
512000 - Social Security	-	-	-	32,285	32,285	0.00%
513000 - Workers' Comp Ins	-	-	-	815	815	0.00%
513020 - Hospitalization Ins	-	-	-	83,195	83,195	0.00%
513040 - Dental Ins	-	-	-	4,290	4,290	0.00%
513060 - Life Ins	-	-	-	950	950	0.00%
514000 - Retirement	-	-	-	49,525	49,525	0.00%
514010 - Retiree - Insurance	-	-	-	8,640	8,640	0.00%
514020 - Comp Absences-vacation	-	-	-	2,185	2,185	0.00%
515000 - Cell Phone Stipend	-	-	-	530	530	0.00%
Personnel Total	\$ -	\$ -	\$ -	\$ 604,415	\$ 604,415	0.00%
Supplies						
520100 - Office Supplies	\$ -	\$ -	\$ -	\$ 905	\$ 905	0.00%
520110 - Computer Supplies	-	-	-	76,860	76,860	0.00%
Supplies Total	\$ -	\$ -	\$ -	\$ 77,765	\$ 77,765	0.00%
Services						
531020 - Internet Service	\$ -	\$ -	\$ -	\$ 480	\$ 480	0.00%
531800 - Rent or Lease Payment	-	-	-	7,140	7,140	0.00%
531900 - Travel and Training	-	-	-	16,280	16,280	0.00%
532000 - Mem & Subscriptions	-	-	-	620	620	0.00%
533000 - Other Services	-	-	-	52,200	52,200	0.00%
Services Total	\$ -	\$ -	\$ -	\$ 76,720	\$ 76,720	0.00%
Grand Total	\$ -	\$ -	\$ -	\$ 758,900	\$ 758,900	0.00%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$758,900 from the FY19 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.

Safety Department

Overview

The Safety Department provides support across the District to assist with recommendations focused on operations to mitigate hazards and meet state and federal regulatory requirements. The Safety and Occupational Health Function includes a Safety and Occupational Health Management System with the capacity and capability to perform its five business functions: Management of Programs, Technical Assistance and Hazard Identification, Accident Investigation, Hazard Analysis and Mitigation and Education and Training.

FY2020 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.
- Develop and administer a Safety and Occupational Health Information Management System to improve processes for the identification and quantification of safety and occupational health hazards.

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.

Major Budget Drivers

- Personnel
- Corporate Safety and Occupational Health Program Development and Training
- Corporate Emergency Management Program Development and Training

Position Summary

Safety Department		FY19	FY20	Difference
Full-Time Positions				
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	-
Total Full-Time Positions		5.0	8.4	3.4

Expense Detail

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
Personnel						
511000 - Supervision	\$ 143,500	\$ 150,675	\$ 152,105	\$ 317,485	\$ 166,810	110.71%
511020 - Clerical	-	-	-	70,215	70,215	0.00%
511030 - Skilled	258,710	273,105	250,255	339,285	66,180	24.23%
512000 - Social Security	29,365	31,040	28,730	54,020	22,980	74.03%
513000 - Workers' Comp Ins	9,790	10,590	8,635	12,060	1,470	13.88%
513020 - Hospitalization Ins	65,971	79,855	77,475	115,970	36,115	45.23%
513040 - Dental Ins	4,125	4,670	4,400	6,295	1,625	34.80%
513060 - Life Ins	884	925	915	1,590	665	71.89%
514000 - Retirement	43,891	41,070	41,070	85,315	44,245	107.73%
514010 - Retiree - Insurance	8,675	8,380	8,380	14,885	6,505	77.63%
514020 - Comp Absences-vacation	-	2,880	2,880	14,330	11,450	397.57%
514030 - Comp Absences-sick	-	2,100	2,100	2,805	705	33.57%
515000 - Cell Phone Stipend	2,200	2,400	2,400	4,030	1,630	67.92%
Personnel Total	\$ 567,112	\$ 607,690	\$ 579,345	\$ 1,038,285	\$ 430,595	70.86%
Supplies						
520100 - Office Supplies	\$ 2,256	\$ 11,200	\$ 9,200	\$ 16,275	\$ 5,075	45.31%
520110 - Computer Supplies	45,589	43,350	48,350	50,250	6,900	15.92%
520600 - Fuel, Oil and Lube	1,769	4,550	4,550	9,615	5,065	111.32%
520630 - Toll Fees	381	450	450	450	-	0.00%
520800 - Small Tools & Equip	53,295	34,000	40,000	33,600	(400)	-1.18%
521110 - Safety Supplies	57,478	24,400	32,900	32,675	8,275	33.91%
521900 - Vehicle Supplies	3,908	2,800	2,800	2,800	-	0.00%
521910 - Tires and Tubes	-	1,050	1,050	1,400	350	33.33%
Supplies Total	\$ 164,676	\$ 121,800	\$ 139,300	\$ 147,065	\$ 25,265	20.74%
Services						
530300 - Automotive Insurance	\$ 1,173	\$ 1,170	\$ 1,445	\$ 3,405	\$ 2,235	191.03%
531020 - Internet Service	2,393	2,400	3,205	3,360	960	40.00%
531400 - Legal Service	-	-	36,255	-	-	0.00%
531700 - Advertising	-	-	950	500	500	0.00%
531800 - Rent or Lease Payment	5,444	-	6,000	6,000	6,000	0.00%
531900 - Travel and Training	24,542	32,500	33,000	25,200	(7,300)	-22.46%
531910 - Education and Training	-	-	-	13,250	13,250	0.00%
532000 - Mem & Subscriptions	762	3,530	2,530	3,200	(330)	-9.35%
532100 - Vehicle Maint	1,016	2,000	2,000	2,000	-	0.00%
532110 - Veh Maint by Solid Waste	280	2,000	2,000	2,000	-	0.00%
533020 - Contract Labor	31,366	-	29,840	40,000	40,000	0.00%
533030 - Contractual Safety Serv	221,152	336,460	245,610	256,000	(80,460)	-23.91%
534000 - Uninsured losses	24,812	-	-	-	-	0.00%
Services Total	\$ 312,939	\$ 380,060	\$ 362,835	\$ 354,915	\$ (25,145)	-6.62%

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
Capital Outlay						
540300 - Vehicle Equipment	\$ -	\$ -	\$ -	\$ 157,500	\$ 157,500	0.00%
Capital Outlay Total	\$ -	\$ -	\$ -	\$ 157,500	\$ 157,500	0.00%
Grand Total	\$ 1,044,727	\$ 1,109,550	\$ 1,081,480	\$ 1,697,765	\$ 588,215	53.01%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$588,215 from the FY19 Original Budget. Major variances are explained below.

- Personnel increased due to additional head count and market / merit based adjustments.
- Capital Outlay increased for the purchase of 3 additional vehicles for field work.

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).

FY2020 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		FY19	FY20	Difference
Full-Time Positions				
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	-
Total Full-Time Positions		15.0	15.5	0.5

Expense Detail

Accounting 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
Personnel						
511000 - Supervision	\$ -	\$ -	\$ -	\$ 706,545	\$ 706,545	0.00%
511020 - Clerical	-	-	-	238,580	238,580	0.00%
511030 - Skilled	-	-	-	339,285	339,285	0.00%
511060 - Overtime	-	-	-	27,655	27,655	0.00%
512000 - Social Security	-	-	-	95,945	95,945	0.00%
513000 - Workers' Comp Ins	-	-	-	2,490	2,490	0.00%
513020 - Hospitalization Ins	-	-	-	166,275	166,275	0.00%
513040 - Dental Ins	-	-	-	9,695	9,695	0.00%
513060 - Life Ins	-	-	-	2,805	2,805	0.00%
514000 - Retirement	-	-	-	150,735	150,735	0.00%
514010 - Retiree - Insurance	-	-	-	26,300	26,300	0.00%
514020 - Comp Absences-vacation	-	-	-	10,365	10,365	0.00%
515000 - Cell Phone Stipend	-	-	-	1,320	1,320	0.00%
Personnel Total	\$ -	\$ -	\$ -	\$ 1,777,995	\$ 1,777,995	0.00%
Supplies						
520100 - Office Supplies	\$ -	\$ -	\$ -	\$ 3,000	\$ 3,000	0.00%
520110 - Computer Supplies	-	-	-	281,200	281,200	0.00%
Supplies Total	\$ -	\$ -	\$ -	\$ 284,200	\$ 284,200	0.00%
Services						
530100 - Audit	\$ -	\$ -	\$ -	\$ 128,000	\$ 128,000	0.00%
531020 - Internet Service	-	-	-	1,080	1,080	0.00%
531310 - Special Studies & Rpts	-	-	-	34,615	34,615	0.00%
531800 - Rent or Lease Payment	-	-	-	14,560	14,560	0.00%
531900 - Travel and Training	-	-	-	28,800	28,800	0.00%
532000 - Mem & Subscriptions	-	-	-	2,205	2,205	0.00%
533920 - Regulatory Fees & Asses	-	-	-	35	35	0.00%
Services Total	\$ -	\$ -	\$ -	\$ 209,295	\$ 209,295	0.00%
Grand Total	\$ -	\$ -	\$ -	\$ 2,271,490	\$ 2,271,490	0.00%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$2,271,490 from the FY19 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.

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.

FY2020 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	FY19	FY20	Difference
Full-Time Positions			
Accounting Technician (Contract Coordinator - In Lieu Of)	1.0	1.0	-
Assistant Deputy (Finance)	1.0	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	-
Total Full-Time Positions	10.0	10.5	0.5

Expense Detail

Finance 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
Personnel						
511000 - Supervision	\$ -	\$ -	\$ -	\$ 408,200	\$ 408,200	0.00%
511020 - Clerical	-	-	-	58,935	58,935	0.00%
511030 - Skilled	-	-	-	407,355	407,355	0.00%
511060 - Overtime	-	-	-	7,000	7,000	0.00%
512000 - Social Security	-	-	-	66,905	66,905	0.00%
513000 - Workers' Comp Ins	-	-	-	1,700	1,700	0.00%
513020 - Hospitalization Ins	-	-	-	177,245	177,245	0.00%
513040 - Dental Ins	-	-	-	9,795	9,795	0.00%
513060 - Life Ins	-	-	-	1,915	1,915	0.00%
514000 - Retirement	-	-	-	102,630	102,630	0.00%
514010 - Retiree - Insurance	-	-	-	17,905	17,905	0.00%
514020 - Comp Absences-vacation	-	-	-	5,160	5,160	0.00%
515000 - Cell Phone Stipend	-	-	-	1,680	1,680	0.00%
Personnel Total	\$ -	\$ -	\$ -	\$ 1,266,425	\$ 1,266,425	0.00%
Supplies						
520100 - Office Supplies	\$ -	\$ -	\$ -	\$ 15,000	\$ 15,000	0.00%
520110 - Computer Supplies	-	-	-	29,970	29,970	0.00%
521100 - Medical Supplies	-	-	-	200	200	0.00%
Supplies Total	\$ -	\$ -	\$ -	\$ 45,170	\$ 45,170	0.00%
Services						
530900 - General Liability Ins	\$ -	\$ -	\$ -	\$ 191,830	\$ 191,830	0.00%
531020 - Internet Service	-	-	-	2,160	2,160	0.00%
531310 - Special Studies & Rpts	-	-	-	20,770	20,770	0.00%
531400 - Legal Service	-	-	-	10,000	10,000	0.00%
531600 - Printing & Binding	-	-	-	1,625	1,625	0.00%
531800 - Rent or Lease Payment	-	-	-	1,625	1,625	0.00%
531900 - Travel and Training	-	-	-	38,120	38,120	0.00%
532000 - Mem & Subscriptions	-	-	-	2,810	2,810	0.00%
532300 - Postage	-	-	-	1,900	1,900	0.00%
532400 - Office Equip Maint	-	-	-	250	250	0.00%
533020 - Contract Labor	-	-	-	230,000	230,000	0.00%
Services Total	\$ -	\$ -	\$ -	\$ 501,090	\$ 501,090	0.00%
Grand Total	\$ -	\$ -	\$ -	\$ 1,812,685	\$ 1,812,685	0.00%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$1,812,685 from the FY19 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.

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.

FY2020 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
- eProcurement Software

Position Summary

Purchasing Department		FY19	FY20	Difference
Full-Time Positions				
Contract Administrator		1.0	3.0	2.0
Purchasing Manager		1.0	1.0	-
Total Full-Time Positions		2.0	4.0	2.0

Expense Detail

Purchasing 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
Personnel						
511000 - Supervision	\$ -	\$ -	\$ -	\$ 141,750	\$ 141,750	0.00%
511030 - Skilled	-	-	-	234,930	234,930	0.00%
512000 - Social Security	-	-	-	28,265	28,265	0.00%
513000 - Workers' Comp Ins	-	-	-	725	725	0.00%
513020 - Hospitalization Ins	-	-	-	32,680	32,680	0.00%
513040 - Dental Ins	-	-	-	1,530	1,530	0.00%
513060 - Life Ins	-	-	-	825	825	0.00%
514000 - Retirement	-	-	-	44,205	44,205	0.00%
514010 - Retiree - Insurance	-	-	-	7,715	7,715	0.00%
515000 - Cell Phone Stipend	-	-	-	1,440	1,440	0.00%
Personnel Total	\$ -	\$ -	\$ -	\$ 494,065	\$ 494,065	0.00%
Supplies						
520100 - Office Supplies	\$ -	\$ -	\$ -	\$ 11,000	\$ 11,000	0.00%
520110 - Computer Supplies	-	-	-	15,565	15,565	0.00%
520630 - Toll Fees	-	-	-	200	200	0.00%
521100 - Medical Supplies	-	-	-	105	105	0.00%
521900 - Vehicle Supplies	-	-	-	175	175	0.00%
Supplies Total	\$ -	\$ -	\$ -	\$ 27,045	\$ 27,045	0.00%
Services						
531020 - Internet Service	\$ -	\$ -	\$ -	\$ 1,620	\$ 1,620	0.00%
531310 - Special Studies & Rpts	-	-	-	4,600	4,600	0.00%
531400 - Legal Service	-	-	-	20,000	20,000	0.00%
531600 - Printing & Binding	-	-	-	1,425	1,425	0.00%
531800 - Rent or Lease Payment	-	-	-	4,050	4,050	0.00%
531900 - Travel and Training	-	-	-	14,350	14,350	0.00%
532000 - Mem & Subscriptions	-	-	-	1,290	1,290	0.00%
532300 - Postage	-	-	-	1,900	1,900	0.00%
532400 - Office Equip Maint	-	-	-	250	250	0.00%
533020 - Contract Labor	-	-	-	30,000	30,000	0.00%
Services Total	\$ -	\$ -	\$ -	\$ 79,485	\$ 79,485	0.00%
Grand Total	\$ -	\$ -	\$ -	\$ 600,595	\$ 600,595	0.00%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$600,595 from the FY19 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.

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.

FY2020 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		FY19	FY20	Difference
Full-Time Positions				
Administrative Technician		1.0	1.0	-
Assistant Deputy (Technology & Support)		1.0	0.2	(0.8)
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	5.0	-
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	-
Total Full-Time Positions		18.0	19.2	1.2

Expense Detail

Information Technology 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
Personnel						
511000 - Supervision	\$ 624,872	\$ 494,760	\$ 478,760	\$ 385,560	\$ (109,200)	-22.07%
511020 - Clerical	53,498	46,905	167,255	305,560	258,655	551.44%
511030 - Skilled	951,860	744,660	625,320	628,865	(115,795)	-15.55%
511060 - Overtime	36,706	15,000	15,000	7,500	(7,500)	-50.00%
512000 - Social Security	119,477	93,595	90,255	99,530	5,935	6.34%
513000 - Workers' Comp Ins	3,379	2,795	2,490	2,550	(245)	-8.77%
513010 - Unemployment Ins	30	-	-	-	-	0.00%
513020 - Hospitalization Ins	261,476	243,800	237,955	250,625	6,825	2.80%
513040 - Dental Ins	14,831	15,365	13,875	13,420	(1,945)	-12.66%
513060 - Life Ins	3,793	2,870	2,965	2,955	85	2.96%
514000 - Retirement	200,476	197,395	197,395	154,910	(42,485)	-21.52%
514010 - Retiree - Insurance	39,630	40,270	40,270	27,025	(13,245)	-32.89%
514020 - Comp Absences-vacation	27,745	34,480	34,480	-	(34,480)	-100.00%
514030 - Comp Absences-sick	33,790	33,790	33,790	9,355	(24,435)	-72.31%
515000 - Cell Phone Stipend	10,000	8,160	8,160	8,735	575	7.05%
Personnel Total	\$ 2,381,563	\$ 1,973,845	\$ 1,947,970	\$ 1,896,590	\$ (77,255)	-3.91%

Expense Detail (continued)

Information Technology 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
Supplies						
520100 - Office Supplies	\$ 2,168	\$ 2,585	\$ 2,585	\$ 2,585	\$ -	0.00%
520110 - Computer Supplies	988,542	1,103,885	1,114,235	1,219,210	115,325	10.45%
520200 - Xerox Supplies	12,242	15,075	15,075	14,355	(720)	-4.78%
520600 - Fuel, Oil and Lube	6,908	4,500	4,500	4,200	(300)	-6.67%
520630 - Toll Fees	1,437	500	500	250	(250)	-50.00%
520800 - Small Tools & Equip	1,892	1,800	1,800	300	(1,500)	-83.33%
521110 - Safety Supplies	397	2,350	2,350	2,050	(300)	-12.77%
521900 - Vehicle Supplies	3,007	1,950	1,950	1,050	(900)	-46.15%
521910 - Tires and Tubes	528	1,500	1,500	1,500	-	0.00%
Supplies Total	\$ 1,017,121	\$ 1,134,145	\$ 1,144,495	\$ 1,245,500	\$ 111,355	9.82%
Services						
530300 - Automotive Insurance	\$ 6,302	\$ 3,565	\$ 5,965	\$ 6,415	\$ 2,850	79.94%
531000 - Telephone	9,635	9,600	9,600	24,000	14,400	150.00%
531010 - Telephone Maint	-	1,500	1,500	30,000	28,500	1900.00%
531020 - Internet Service	167,740	169,560	169,080	183,370	13,810	8.14%
531300 - Engin/Consultant Svc	27,614	-	-	-	-	0.00%
531310 - Special Studies & Rpts	-	-	-	50,000	50,000	0.00%
531600 - Printing & Binding	322	250	250	125	(125)	-50.00%
531700 - Advertising	-	350	-	350	-	0.00%
531900 - Travel and Training	29,458	36,675	26,675	38,630	1,955	5.33%
532000 - Mem & Subscriptions	1,186	565	565	790	225	39.82%
532100 - Vehicle Maint	774	2,600	2,600	1,400	(1,200)	-46.15%
532110 - Veh Maint by Solid Waste	1,509	-	-	-	-	0.00%
533020 - Contract Labor	237,352	454,700	454,700	585,900	131,200	28.85%
534000 - Uninsured losses	2,075	-	-	-	-	0.00%
Services Total	\$ 483,967	\$ 679,365	\$ 670,935	\$ 920,980	\$ 241,615	35.56%
Capital Outlay						
540400 - Office Equipment	\$ 210,000	\$ 430,000	\$ 430,000	\$ 290,000	\$ (140,000)	-32.56%
Capital Outlay Total	\$ 210,000	\$ 430,000	\$ 430,000	\$ 290,000	\$ (140,000)	-32.56%
Grand Total	\$ 4,092,651	\$ 4,217,355	\$ 4,193,400	\$ 4,353,070	\$ 135,715	3.22%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$135,715 from the FY19 Original Budget. Major variances are explained below.

- Computer Supplies increased for additional Microsoft Office 365 licenses and additional Maximo licenses.
- Telephone and Telephone Maintenance increased related to purchasing a new telephone system.
- Special Studies and Reports increased to study the IS organizational structure.
- Contract Labor increased due to GIS and Maximo enhancements and Storage Area Network Refresh.
- Internet Services increased as a result of equipment refreshment and network resources

Environmental Services Department

Overview

The Environmental Services Department performs investigations and monitoring for the Water, Wastewater and Solid Waste Systems to improve operations, fulfill regulatory requirements and evaluate environmental impacts of activities. Environmental Services coordinates with managers to determine the needs of each System. The department stays abreast of new technologies, current research and current regulations to determine the possible impacts on operations.

FY2020 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.

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 Plan with the Trinity River Authority, Red River Authority and Sulphur River Authority for the Clean Rivers Program.

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 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	FY19	FY20	Difference
Administrative Technician	0.50	0.20	(0.30)
Assistant Deputy (Technology & Support)	-	0.20	0.20
Environmental Analyst	1.00	0.90	(0.10)
Environmental Program Coordinator	0.40	0.40	-
Environmental Program Manager	0.60	0.60	-
Environmental Services Manager	1.00	0.25	(0.75)
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	-
LIMS Administrator	1.00	-	(1.00)
Quality System Technician	1.00	1.00	-
Total Full-Time Positions	11.50	9.55	(1.95)

Expense Detail

Environmental Services 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	
Personnel							
511000 - Supervision	\$ 146,859	\$ 326,360	\$ 319,440	\$ 240,865	\$ (85,495)	-	-26.20%
511020 - Clerical	25,773	27,190	27,100	11,380	(15,810)	-	-58.15%
511030 - Skilled	459,410	497,310	397,005	404,110	(93,200)	-	-18.74%
511060 - Overtime	4,499	4,000	4,000	4,000	-	-	0.00%
512000 - Social Security	46,890	62,545	52,865	50,220	(12,325)	-	-19.71%
513000 - Workers' Comp Ins	14,273	16,600	10,080	15,000	(1,600)	-	-9.64%
513020 - Hospitalization Ins	102,961	122,000	114,290	102,890	(19,110)	-	-15.66%
513040 - Dental Ins	4,961	6,230	5,675	5,210	(1,020)	-	-16.37%
513060 - Life Ins	1,505	1,890	1,675	1,475	(415)	-	-21.96%
514000 - Retirement	92,023	89,610	89,610	77,030	(12,580)	-	-14.04%
514010 - Retiree - Insurance	18,190	18,280	18,280	13,440	(4,840)	-	-26.48%
514020 - Comp Absences-vacation	35,880	470	470	20,990	20,520	-	4365.96%
514030 - Comp Absences-sick	6,170	-	-	76,450	76,450	-	0.00%
515000 - Cell Phone Stipend	3,272	3,840	3,840	4,005	165	-	4.30%
Personnel Total	\$ 962,666	\$ 1,176,325	\$ 1,044,330	\$ 1,027,065	\$ (149,260)	-	-12.69%
Supplies							
520100 - Office Supplies	\$ 742	\$ 1,000	\$ 1,000	\$ 1,000	\$ -	-	0.00%
520110 - Computer Supplies	44,662	28,465	28,465	28,465	-	-	0.00%
520200 - Xerox Supplies	8,618	10,000	10,000	10,000	-	-	0.00%
520300 - Clothing Supplies	3,808	5,085	5,085	5,635	550	-	10.82%
520600 - Fuel, Oil and Lube	6,758	10,000	10,000	10,000	-	-	0.00%
520630 - Toll Fees	107	400	400	400	-	-	0.00%
520800 - Small Tools & Equip	171	2,500	2,500	2,500	-	-	0.00%
521000 - Laboratory Supplies	12,002	15,250	15,250	15,250	-	-	0.00%
521110 - Safety Supplies	1,568	1,730	1,730	1,730	-	-	0.00%
521700 - Building Supplies	1,376	-	-	-	-	-	0.00%
521900 - Vehicle Supplies	5,681	4,000	4,000	4,000	-	-	0.00%
521910 - Tires and Tubes	511	3,000	3,000	3,000	-	-	0.00%
522000 - Equipment Supplies	12,627	10,970	10,970	10,970	-	-	0.00%
Supplies Total	\$ 98,630	\$ 92,400	\$ 92,400	\$ 92,950	\$ 550	-	0.60%

Expense Detail (continued)

Environmental Services 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	
Services							
530300 - Automotive Insurance	\$ 2,992	\$ 3,220	\$ 2,935	\$ 3,160	\$ (60)		-1.86%
531020 - Internet Service	6,664	5,280	5,280	5,280	-		0.00%
531310 - Special Studies & Rpts	1,412	-	-	30,000	30,000		0.00%
531900 - Travel and Training	6,468	13,200	13,200	13,200	-		0.00%
532000 - Mem & Subscriptions	555	1,560	1,560	1,560	-		0.00%
532100 - Vehicle Maint	107	2,550	2,550	2,550	-		0.00%
532110 - Veh Maint by Solid Waste	2,188	2,000	2,000	2,000	-		0.00%
532200 - Equipment Maintenance	-	3,750	3,750	3,750	-		0.00%
532300 - Postage	149	400	400	400	-		0.00%
533020 - Contract Labor	9,729	-	-	-	-		0.00%
533340 - Technical Services	-	250	250	-	(250)		-100.00%
533500 - Lab Svc - Contract	-	-	-	250	250		0.00%
Services Total	\$ 30,263	\$ 32,210	\$ 31,925	\$ 62,150	\$ 29,940		92.95%
Capital Outlay							
540200 - Building	\$ 6,905	\$ -	\$ -	\$ -	\$ -		0.00%
540300 - Vehicle Equipment	22,550	-	-	-	-		0.00%
541000 - Laboratory Equipment	-	20,000	20,000	20,000	-		0.00%
Capital Outlay Total	\$ 29,455	\$ 20,000	\$ 20,000	\$ 20,000	\$ -		0.00%
Grand Total	\$ 1,121,013	\$ 1,320,935	\$ 1,188,655	\$ 1,202,165	\$ (118,770)		-8.99%

Major FY20 Budget Items

The department's FY20 Proposed Budget has decreased by \$118,770 from the FY19 Original Budget. Major variances are explained below.

- Personnel decreased due to shifting employees between departments.
- Special Studies & Reports increased for an efficiency study within Environmental Services and 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.

FY2020 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		FY19	FY20	Difference
Full-Time Positions				
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	-
Total Full-Time Positions		29.00	31.65	2.65

Expense Detail

Laboratory Services 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
Personnel						
511000 - Supervision	\$ 514,270	\$ 545,615	\$ 545,165	\$ 655,195	\$ 109,580	20.08%
511020 - Clerical	-	-	-	11,380	11,380	0.00%
511030 - Skilled	1,159,610	1,335,680	1,318,950	1,494,195	158,515	11.87%
511060 - Overtime	12,868	10,000	10,000	10,000	-	0.00%
512000 - Social Security	124,562	143,910	141,005	165,280	21,370	14.85%
513000 - Workers' Comp Ins	15,471	17,700	18,790	18,180	480	2.71%
513020 - Hospitalization Ins	297,321	328,090	298,135	323,595	(4,495)	-1.37%
513040 - Dental Ins	13,810	15,845	13,285	14,335	(1,510)	-9.53%
513060 - Life Ins	3,958	4,260	4,340	4,845	585	13.73%
514000 - Retirement	205,641	202,425	202,425	253,585	51,160	25.27%
514010 - Retiree - Insurance	40,650	41,295	41,295	44,240	2,945	7.13%
514020 - Comp Absences-vacation	10,900	10,945	10,945	-	(10,945)	-100.00%
514030 - Comp Absences-sick	22,585	-	-	-	-	0.00%
515000 - Cell Phone Stipend	1,440	1,440	1,440	2,615	1,175	81.60%
Personnel Total	\$ 2,423,086	\$ 2,657,205	\$ 2,605,775	\$ 2,997,445	\$ 340,240	12.80%
Supplies						
520100 - Office Supplies	\$ 4,756	\$ 6,500	\$ 6,500	\$ 5,000	\$ (1,500)	-23.08%
520110 - Computer Supplies	22,902	43,800	43,800	48,000	4,200	9.59%
520200 - Xerox Supplies	5,269	4,000	4,000	8,000	4,000	100.00%
520300 - Clothing Supplies	8,894	10,020	10,020	10,020	-	0.00%
520600 - Fuel, Oil and Lube	927	1,000	1,000	1,000	-	0.00%
520630 - Toll Fees	-	150	150	150	-	0.00%

Expense Detail (continued)

Laboratory Services 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
Supplies (continued)						
520800 - Small Tools & Equip	\$ 24,690	\$ 25,000	\$ 25,000	\$ 20,000	\$ (5,000)	-20.00%
520810 - Fire Extinguishers	475	535	535	535	-	0.00%
521000 - Laboratory Supplies	308,600	340,000	340,000	375,000	35,000	10.29%
521110 - Safety Supplies	9,454	9,250	9,250	8,000	(1,250)	-13.51%
521700 - Building Supplies	15,172	15,000	15,000	10,000	(5,000)	-33.33%
521900 - Vehicle Supplies	27	300	300	800	500	166.67%
521910 - Tires and Tubes	-	175	175	175	-	0.00%
522000 - Equipment Supplies	38,859	34,000	34,000	40,000	6,000	17.65%
523000 - Other Supplies	54,710	77,000	77,000	65,000	(12,000)	-15.58%
Supplies Total	\$ 494,733	\$ 566,730	\$ 566,730	\$ 591,680	\$ 24,950	4.40%
Services						
530300 - Automotive Insurance	\$ 985	\$ 1,070	\$ 965	\$ 1,040	\$ (30)	-2.80%
530400 - Fire & Exten Cov Ins	4,319	5,030	4,945	5,860	830	16.50%
531020 - Internet Service	838	480	480	480	-	0.00%
531100 - Electric Power	79,108	58,800	58,800	58,800	-	0.00%
531110 - Nat Gas, Butane & Kero	15,370	18,000	18,000	18,000	-	0.00%
531120 - Retail Water Service	2,689	3,500	3,500	3,500	-	0.00%
531700 - Advertising	143	300	300	300	-	0.00%
531900 - Travel and Training	11,504	14,840	14,840	14,840	-	0.00%
532000 - Mem & Subscriptions	195	1,440	1,440	1,440	-	0.00%
532100 - Vehicle Maint	16	250	250	250	-	0.00%
532110 - Veh Maint by Solid Waste	338	250	250	250	-	0.00%
532200 - Equipment Maintenance	136,669	80,000	80,000	100,000	20,000	25.00%
532300 - Postage	54	100	100	100	-	0.00%
532850 - Building Maintenance	35,814	15,000	15,000	15,000	-	0.00%
533020 - Contract Labor	42,629	25,000	25,000	3,000	(22,000)	-88.00%
533500 - Lab Svc - Contract	2,579	-	-	15,000	15,000	0.00%
533900 - Permits, Ins, & Lic Fees	2,800	4,745	4,745	3,500	(1,245)	-26.24%
Services Total	\$ 336,050	\$ 228,805	\$ 228,615	\$ 241,360	\$ 12,555	5.49%
Capital Outlay						
540200 - Building	\$ 5,707	\$ 40,000	\$ 40,000	\$ -	\$ (40,000)	-100.00%
541000 - Laboratory Equipment	176,050	166,000	166,000	125,000	(41,000)	-24.70%
542000 - Other Capital Outlay	16,926	40,000	40,000	35,000	(5,000)	-12.50%
Capital Outlay Total	\$ 198,683	\$ 246,000	\$ 246,000	\$ 160,000	\$ (86,000)	-34.96%
Grand Total	\$ 3,452,552	\$ 3,698,740	\$ 3,647,120	\$ 3,990,485	\$ 291,745	7.89%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$291,745 from the FY19 Original Budget. Major variances are explained below.

- Personnel increased due to two new headcount and market / merit based adjustments.
- Laboratory Supplies increased for additional testing for regulations and expected growth.
- Capital Outlay decreased due to less spending on buildings and equipment purchases.

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.

FY2020 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	FY19	FY20	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	-
Total Full-Time Positions	3.00	3.45	0.45

Expense Detail

Regulatory Compliance 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
Personnel						
511000 - Supervision	\$ 97,987	\$ 103,705	\$ 103,245	\$ 192,220	\$ 88,515	85.35%
511030 - Skilled	124,713	131,235	133,120	144,215	12,980	9.89%
512000 - Social Security	16,178	17,970	17,830	25,745	7,775	43.27%
513000 - Workers' Comp Ins	2,983	4,600	4,180	4,645	45	0.98%
513020 - Hospitalization Ins	41,108	46,030	45,010	49,755	3,725	8.09%
513040 - Dental Ins	1,694	1,450	1,705	2,125	675	46.55%
513060 - Life Ins	522	515	545	720	205	39.81%
514000 - Retirement	36,259	27,755	27,755	39,485	11,730	42.26%
514010 - Retiree - Insurance	7,170	5,660	5,660	6,890	1,230	21.73%
514020 - Comp Absences-vacation	965	1,150	1,150	2,020	870	75.65%
515000 - Cell Phone Stipend	1,480	1,440	1,440	1,655	215	14.93%
Personnel Total	\$ 331,060	\$ 341,510	\$ 341,640	\$ 469,475	\$ 127,965	37.47%
Supplies						
520100 - Office Supplies	\$ 1,041	\$ 1,000	\$ 1,000	\$ 1,000	\$ -	0.00%
520110 - Computer Supplies	2,189	4,200	4,200	4,200	\$ -	0.00%
520300 - Clothing Supplies	210	900	900	900	\$ -	0.00%
520600 - Fuel, Oil and Lube	915	3,800	3,800	3,800	\$ -	0.00%
520630 - Toll Fees	260	300	300	300	\$ -	0.00%
520800 - Small Tools & Equip	732	350	350	350	\$ -	0.00%
521110 - Safety Supplies	2,179	1,225	1,225	1,225	\$ -	0.00%
521900 - Vehicle Supplies	426	1,400	1,400	1,400	\$ -	0.00%
521910 - Tires and Tubes	-	700	700	700	\$ -	0.00%
Supplies Total	\$ 7,952	\$ 13,875	\$ 13,875	\$ 13,875	\$ -	0.00%
Services						
530300 - Automotive Insurance	\$ 838	\$ 940	\$ 725	\$ 780	\$ (160)	-17.02%
531020 - Internet Service	1,678	1,440	1,440	1,440	\$ -	0.00%
531310 - Special Studies & Rpts	-	-	-	5,000	5,000	0.00%
531400 - Legal Service	3,734	20,000	20,000	20,000	\$ -	0.00%
531900 - Travel and Training	10,320	20,585	20,585	15,000	(5,585)	-27.13%
532000 - Mem & Subscriptions	2,684	2,965	2,965	2,000	(965)	-32.55%
532100 - Vehicle Maint	358	1,600	1,600	1,600	\$ -	0.00%
532110 - Veh Maint by Solid Waste	332	1,600	1,600	1,600	\$ -	0.00%
533020 - Contract Labor	-	5,000	5,000	5,000	\$ -	0.00%
533030 - Contractual Safety Serv	1,391	-	-	-	-	0.00%
Services Total	\$ 21,334	\$ 54,130	\$ 53,915	\$ 52,420	\$ (1,710)	-3.16%
Grand Total	\$ 360,346	\$ 409,515	\$ 409,430	\$ 535,770	\$ 126,255	30.83%

Major FY20 Budget Items

The department's FY20 Proposed Budget has increased by \$126,255 from the FY19 Original Budget. Major variances are explained below.

- Personnel increased due to reallocated positions in the department and market / merit based adjustments.



APPENDIX

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Government Treasurers' Organization of Texas
Certification of Investment Policy

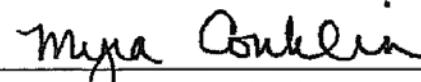
Presented to the

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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**2019-20
CAPITAL PROJECTS**

Capital Projects FY2020

Regional Water System

Project	Project Driver	Description	Construction Cost Estimate
Texoma Raw Water Pipeline Fiber Optic Improvement	Maintaining Aging Infrastructure	Install fiber optic along 72-inch Texoma Raw Water Pipeline from Howe Balancing Reservoir to Texoma Raw Water Pump Station	\$2M-\$5M
Relocation of 84" and 42" Waterlines in Parker near Southridge Parkway	Expanding/New Growth	Pipeline relocation due to road widening	\$6M-\$15M
Forney Site Improvements	Maintaining Aging Infrastructure	Improvements to Forney pump station and ground storage tank	< \$2M
Hailey Site Improvements	Maintaining Aging Infrastructure	Improvements to pump station, tanks and Mesquite No.1 delivery point	< \$2M
Wylie WTP Road Improvements	Maintaining Aging Infrastructure	Road Improvements at Wylie Water Treatment Plant complex	\$2M-\$5M
Wylie WTP Conversion to Biologically Active Filtration	Maintaining Aging Infrastructure	Phased transition of each of the four Wylie Water Treatment Plants to Biologically Active Filtration (BAF)	\$16M-\$25M
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
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
NTMWD Administration Building First Floor Men's Restroom Modification	Expanding/New Growth	Additional restroom facilities for the NTMWD Administration Building	< \$2M
Apollo Pump Station No. 1 Electrical Improvements	Regulatory Requirements	Electrical system improvements to the pump station	< \$2M
Bonham-Tawakoni Water Treatment Plant (WTP) Improvements	Maintaining Aging Infrastructure	Improvements to existing systems at both the Tawakoni and Bonham WTPs to enhance reliability	\$6M-\$15M
SCADA System Upgrade 2020	Expanding/New Growth	Routine annual system SCADA upgrades	< \$2M
Systemwide Meter Vault Improvements - Setpoint Control Phase IV	Maintaining Aging Infrastructure	Delivery point meter vault upgrades to current District standards	\$6M-\$15M
Trinity River Main Stem Pump Station - Lock and Dam Structure	Expanding/New Growth	Erosion control requires armoring of the channel abutments, to prevent scouring, and anchoring structures to increase stability	< \$2M
Wylie WTP Rush Creek Channelization	Expanding/New Growth	Improvements and upgrades at the Wylie Water Treatment Plant for flood control	\$2M-\$5M
Wylie WTP Plant IV Filter Complex Structural Improvements	Maintaining Aging Infrastructure	Structural improvements at Wylie WTP IV	\$6M-\$15M
Pipeline Relocation at FM 2478 (Custer Road)	Expanding/New Growth	Pipeline relocation due to Custer Road widening	\$2M-\$5M
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
Chapman Raw Water Pipeline Channel Stabilization at South Sulphur River Crossing Phase II	Maintaining Aging Infrastructure	Permanent erosion control measures to protect the Lake Chapman Raw Water Pipeline and Access Road at the three low water crossings	< \$2M
Rockwall High Service Pump Station Improvements	Maintaining Aging Infrastructure	Improvements to the Rockwall High Service Pump Station located at the Wylie WTP	\$2M-\$5M
20" Wylie to Rockwall Waterline Improvements	Maintaining Aging Infrastructure	Improvements identified in 20-inch waterline condition assessment	< \$2M
36"/30" Pipeline from Lavon No. 2 to 21" Pipeline near Rockwall No. 1	Expanding/New Growth	New East System pipeline	\$6M-\$15M

Regional Water System (continued)

Project	Project Driver	Description	Construction Cost Estimate
Wylie Rockwall Farmersville 36"/48" Pipeline Improvements Phase II	Maintaining Aging Infrastructure	New East System pipeline to replace existing 36" waterline	\$16M-\$25M
20" Forney to Kaufman Waterline Improvements	Maintaining Aging Infrastructure	Improvements to the 20" Forney to Kaufman waterline identified in condition assessment	\$2M-\$5M
Wylie Water Treatment Plants Human Machine Interface (HMI) and Data Server Upgrades	Expanding/New Growth	SCADA improvements to Wylie WTPs by adding new servers and creating new high performance HMI graphics	\$2M-\$5M
High Service Pump Station 2-1 Electrical Improvements Phase IIB	Maintaining Aging Infrastructure	Add two medium voltage adjustable frequency drives to HSPS 2-1 electrical building	\$2M-\$5M
Wylie WTP III, Power Redundancy and Electrical Buildings Improvements	Maintaining Aging Infrastructure	Redundant power supply system at Wylie WTP III	\$6M-\$15M
Texoma Surge Mixing and Blending Tanks Improvements	Maintaining Aging Infrastructure	New mixing/aeration system for Texoma surge, mixing and blending tanks at Wylie WTP	\$2M-\$5M
System wide Meter Vault Improvements - Set point Control Phase III	Maintaining Aging Infrastructure	Delivery point meter vault upgrades to current District standards	\$6M-\$15M
Wylie WTP III, Plant Water Improvements	Maintaining Aging Infrastructure	Upgrade plant water system for Wylie WTP III	\$2M-\$5M
Water Treatment Plant Site Backup Power Improvements	Expanding/New Growth	Preliminary design to analyze backup power alternatives at the Wylie WTP	< \$2M
Cooper Pipeline Embankment Improvements near FM 3218 in Commerce, Texas	Maintaining Aging Infrastructure	Phase II for channel stabilization at South Sulphur River crossing and removal/replacement of existing low water crossing	< \$2M
Wylie WTP I, Backwash and Reclamation Upgrade	Maintaining Aging Infrastructure	Additional reclaim basin and mechanical improvements to existing backwash pumps	< \$2M
Wylie WTP I, Filter Improvements	Maintaining Aging Infrastructure	Mechanical and structural improvements at Wylie WTP I filters	\$6M-\$15M
Wylie WTP II, Distribution Meter Vaults Improvements	Maintaining Aging Infrastructure	Meter vault improvements at Wylie WTP II	< \$2M
High Service Pump Station 3-1 Expansion to 450 MGD	Expanding/New Growth	Add two additional pump and two adjustable frequency drives at High Service Pump Station 3-1	\$6M-\$15M
Transmission System Water Quality Analyzers	Maintaining Aging Infrastructure	Install total chlorine and ammonia/monochloramine analyzers throughout treated water transmission system	\$2M-\$5M
Future Water Supply Project	Expanding/New Growth	Permitting and planning for future water supply sources	\$6M-\$15M
Water Transmission Pipeline Condition Assessment	Maintaining Aging Infrastructure	Repair and replacement of existing pipelines in the water transmission system to improve reliability and extend life	\$2M-\$5M
Wylie WTP II, Plant Water Upgrade	Maintaining Aging Infrastructure	Wylie WTP I and II plant water upgrades including looping the system and adding chlorine injectors for backup	\$2M-\$5M
36" Plano West Side Pipeline (to Plano No. 3 and Richardson No. 2)	Maintaining Aging Infrastructure	New 36-inch waterlines to serve Plano No. 3 and Richardson No. 2 delivery points to replace existing 30" waterlines	\$6M-\$15M
Cooper Pipeline Extension	Expanding/New Growth	Extend and connect Lake Chapman/Cooper raw water pipeline with Lake Texoma raw water pipeline	\$6M-\$15M
Chemical System for Plants I, II and III Enhanced Biologically Active Filters	Regulatory Requirements	Chemical system improvements required to convert Wylie WTP dual media filters to biological active filters	\$2M-\$5M

Regional Water System (continued)

Project	Project Driver	Description	Construction Cost Estimate
Wylie WTP III Outfall Improvements	Maintaining Aging Infrastructure	Improvements and upgrades at the Wylie Water Treatment Plant III for stormwater runoff	< \$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 Ammonia System Improvements	Maintaining Aging Infrastructure	Improvements to existing ammonia facilities at all four Wylie Water Treatment Plants	\$6M-\$15M
Wylie WTP III, Sludge Handling and Reclaim Basin Improvements	Maintaining Aging Infrastructure	Mechanical, structural and electrical improvements at Wylie WTP III sludge building and addition of reclaim basin to WTP III	\$2M-\$5M
High Service Pump Station 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
Shiloh System Ground Storage Tank	Regulatory Requirements	New ground storage tank to enhance the reliability of maintaining the desired pressure range in Shiloh System	\$6M-\$15M
24"/16" Rockwall - Royse City Pipeline	Expanding/New Growth	New East System pipeline	\$2M-\$5M
Wylie WTP Master Plan	Expanding/New Growth	Process improvement and facility location master plan of the Wylie WTP complex	< \$2M
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 Ferric Sulfate Storage and Feed Improvements	Maintaining Aging Infrastructure	Replace day tanks for WTP II ferric sulfate and appurtenances	< \$2M
20" Wylie to Rockwall Waterline Improvements	Maintaining Aging Infrastructure	Condition assessment of the 20-inch Wylie to Rockwall pipeline	< \$2M
System wide Meter Vault Improvements - Set point Control Phase V	Maintaining Aging Infrastructure	Delivery point meter vault upgrades to current District standards	\$6M-\$15M
Relocate 42" Waterline along Castle from Merritt to Miles	Expanding/New Growth	Pipeline relocation due to road widening	< \$2M

Regional Water System - Bois d'Arc Lake Projects

Project	Project Driver	Description	Construction Cost Estimate
Treated Water Pipeline from Leonard Water Treatment Plant to McKinney No. 4 - CMAR No. 5	Expanding/New Growth	Early bid package for right-of-way clearing	\$6M-\$15M
Bois d'Arc Creek Reservoir Dam Maintenance Building - CMAR No. 3	Expanding/New Growth	Dam maintenance facility that includes office space, service bays, a hardened control room, a fueling station, and a covered equipment storage pre-fabricated metal building	\$2M-\$5M
90 MGD Leonard Water Treatment Plant HSPS - CMAR No. 3	Expanding/New Growth	Construct a 90 MGD high service pump station (HSPS) at the Leonard Water Treatment Plant	\$16M-\$50M
Bois d'Arc Creek Reservoir Pipeline - CMAR No. 5	Expanding/New Growth	Bid package for cathodic protection and fiber optic cable on the raw water pipeline from the Bois d'Arc Creek Reservoir to the Leonard Water Treatment Plant	\$2M-\$5M
Treated Water Pipeline from Leonard Water Treatment Plant to McKinney No. 4 - CMAR No. 5	Expanding/New Growth	Construct 84" treated water pipeline from Leonard Water Treatment Plant to North Transmission System	> \$50M
Bois d'Arc Creek Reservoir - Additional Program Management and Quality Assurance	Expanding/New Growth	Contracted program management and quality assurance testing on Bois d'Arc Lake projects	\$2M-\$5M

Regional Water System - Bois d'Arc Lake Projects

Project	Project Driver	Description	Construction Cost Estimate
Bois d'Arc Creek Reservoir - 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
Preston Road Lift Station Expansion	Capacity/Peak Flow	Lift station expansion to meet 20-year flow projections	\$16M-\$25M
Upper East Fork Interceptor System Capacity Assessment Phase III	Capacity/Peak Flow	Development of improvement alternatives to meet level of service utilizing findings from Phase II system capacity assessment	< \$2M
North McKinney Transfer Lift Station Improvements	Capacity/Peak Flow	New transfer lift station adjacent to the existing North McKinney Lift Station to transfer flows to the Sister Grove Creek RWRRF	\$25M-\$50M
North McKinney Transfer Force Main	Capacity/Peak Flow	Two new force mains from the North McKinney Transfer Lift Station to the Sister Grove Creek RWRRF	\$16M-\$25M
Wilson Creek Transfer Force Main	Capacity/Peak Flow	New transfer force main from the Wilson Creek Lift Station to North McKinney Transfer Lift Station	\$6M-\$15M
Floyd Branch Regional WWTP Master Plan	Capacity/Peak Flow	Evaluate peak flow need and process facilities, assess condition of major assets, and develop master plan layout and capital improvement projects	< \$2M
Wilson Creek Regional WWTP Improvements Master Plan	Maintaining Aging Infrastructure	Evaluate process facilities, assess condition of major assets, and develop master plan layout and capital improvement projects	< \$2M
Plano Spring Creek Force Main Parallel	Capacity/Peak Flow	New force main parallel to the existing interceptor between the Plano Spring Creek No. 2 Lift Station and the Rowlett Creek RWWT	\$16M-\$25M
Plano Spring Creek Lift Station No. 2 Improvements	Capacity/Peak Flow	Lift station capacity expansion	\$6M-\$15M
Seis Lagos Wastewater Improvements	Maintaining Aging Infrastructure	Provide inspection services for Seis Lagos WWTP improvements	< \$2M
McKinney Eastside Extension Improvements	Maintaining Aging Infrastructure	Preliminary design to compare options to parallel piping to North McKinney Lift Station or to divert to Regional Wastewater Recovery Facility	< \$2M
Wilson Creek Lift Station Improvements	Capacity/Peak Flow	Lift station capacity expansion	\$6M-\$15M
Buffalo Creek Force Main Parallel	Capacity/Peak Flow	Parallel force main from Buffalo Creek Lift Station to South Mesquite Regional WWTP	\$2M-\$5M
Buffalo Creek Lift Station Expansion	Capacity/Peak Flow	Lift station capacity expansion	\$25M-\$50M
Sloan Creek Lift Station	Capacity/Peak Flow	New lift station in the UEFIS to serve Allen and Fairview	\$6M-\$15M
Sloan Creek Force Main	Capacity/Peak Flow	New force main in the UEFIS to serve Allen and Fairview	\$6M-\$15M
Panther Creek WWTP Expansion to 15 MGD	Expanding/New Growth	WWTP expansion including a backup generator	> \$50M
121 Force Main Improvements	Maintaining Aging Infrastructure	Replacement of a portion of the force main from the Preston Road Lift Station to the Wilson Creek Regional WWTP	\$6M-\$15M

Wastewater System Projects (continued)

Project	Project Driver	Description	Construction Cost Estimate
McKinney-Prosper Transfer Sewer Phase II	Capacity/Peak Flow	Parallel interceptor from US-75 to Hardin Blvd	\$6M-\$15M
McKinney-Prosper Transfer Sewer Phase III	Capacity/Peak Flow	Parallel interceptor from Hardin Blvd to US-380	< \$2M
Princeton Lift Station Pump Addition to 12 MGD - Design	Capacity/Peak Flow	Additional pump and appurtenances to increase pumping capacity	< \$2M
North McKinney Parallel Interceptor	Capacity/Peak Flow	Parallel interceptor from the Princeton Force Main parallel junction to the new McKinney Lift Station at Wilson Creek RWWTP	\$6M-\$15M
McKinney-Prosper Transfer Sewer Phase I	Capacity/Peak Flow	Parallel interceptor from Wilson Creek Lift Station to US-75. Bore across US-75	\$6M-\$15M
South Mesquite Regional WWTP Solids Handling Improvements	Maintaining Aging Infrastructure	Solids building and solids operations facilities improvements, and sludge truck weighing facilities	\$16M-\$25M
Rowlett Creek Regional WWTP Operations Building	Expanding/New Growth	Construct a new operations building for NTMWD personnel at the Rowlett Creek Regional WWTP	\$2M-\$5M
Wilson Creek Regional Wastewater Treatment Plant Step Feed and Plant Drain Improvements	Maintaining Aging Infrastructure	Plant step feed and plant drain system improvements	\$2M-\$5M
Buffalo Creek Parallel Interceptor Phase I	Capacity/Peak Flow	Parallel interceptor from the Buffalo Creek WWTP to FM 740	\$16M-\$25M
Muddy Creek WWTP Expansion to 15 MGD	Expanding/New Growth	WWTP expansion from 10 MGD to 15 MGD	\$25M-\$50M
Sister Grove Creek Regional Water Resource Recovery Facility	Expanding/New Growth	New 16 MGD Regional Water Resource Recovery Facility and outfall	> \$50M
McKinney Eastside Gravity Extension Parallel Phase I Improvements	Capacity/Peak Flow	Parallel interceptor from North McKinney Lift Station to US 380	\$2M-\$5M
Upper East Fork Interceptor System Bypass Connection and Phase II Valve Improvements	Maintaining Aging Infrastructure	Replace valves at lift station to increase operational reliability during emergencies/maintenance	\$2M-\$5M
Regional Water Resource Recovery Facility (WRRF) Expansion	Expanding/New Growth	Regional WRRF expansion from 16 MGD to 32 MGD	> \$50M
North McKinney Interceptor Improvements Phases II - TCEQ Re-Inspection	Maintaining Aging Infrastructure	18-Month post substantial completion inspection to meet TCEQ requirements	< \$2M
Muddy Creek WWTP Peak Flow Storage Basin	Expanding/New Growth	Peak flow handling improvements	\$6M-\$15M
Wilson Creek Regional WWTP Electrical Improvements Phase III	Maintaining Aging Infrastructure	New overhead concrete power poles with aerial cable, and improvements to transformers and load control stations	\$6M-\$15M
Upper East Fork Interceptor System Rehabilitation and Improvements	Maintaining Aging Infrastructure	Cured in Place Pipe lining for 24-inch and 27-inch reinforced concrete pipe in Allen and Richardson	< \$2M
Muddy Creek WWTP Operations Building Improvements	Expanding/New Growth	Expand Operations Building to include offices, training room, restrooms, lockers, and meeting space	\$2M-\$5M
Rowlett Creek Regional WWTP Peak Flow Management Phase II Improvements - Construction	Capacity/Peak Flow	Plant improvements to expand peak flow treatment capacity to 77.5 MGD	> \$50M
Wilson Creek Regional WWTP Improvements - Preliminary Design	Maintaining Aging Infrastructure	Recommended immediate improvements from the Wilson Creek RWWTP Improvements Master Plan	\$16M-\$25M

Solid Waste System Projects

Project	Project Driver	Description	Construction Cost Estimate
Lookout Transfer Station Mechanical Room	Maintaining Aging Infrastructure	Ventilation improvements for the Transfer Station	< \$2M
121 RDF Fleet Maintenance Shop Improvements	Expanding/New Growth	Expansion to existing fleet maintenance shop	\$6M-\$15M
North Transfer Station	Expanding/New Growth	New transfer station for solid waste in the northern portion of the NTMWD service area	\$16M-\$25M
121 RDF Intermediate Cover	Maintaining Aging Infrastructure	Intermediate landfill cover as per TCEQ permit including berms and drainage channels	< \$2M
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
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 South Slope Closure	Maintaining Aging Infrastructure	Final landfill cover for 75 Acres on the south slope of the 121 RDF Landfill	\$2M-\$5M

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2019-20
UPCOMING BOND ISSUES

Upcoming Bond Issues

System / Project	Type	Est Award	Amount
Regional Water System - 10/01/2019			
Wylie WTP II, Structural and Mechanical Improvements Phase I	Cnstr	Oct-19	\$ 15,410,000
Wylie WTP II, Structural and Mechanical Improvements Phase I	Insp	Oct-19	309,000
Wylie WTP II, Structural and Mechanical Improvements Phase II	Eng	Oct-19	1,236,000
System wide Meter Vault Improvements Set point Control Phase IV	Eng	Oct-19	1,236,000
Wylie WTP Human Machine Interface (HMI) Upgrades	Cnstr	Dec-19	3,678,000
20" Forney to Kaufman Waterline Improvements	Cnstr	Dec-19	2,375,000
Rockwall High Service Pump Station Improvements	Eng	Dec-19	330,000
Wylie WTP Road Improvements	Cnstr	Jan-20	2,206,000
Wylie WTP III, Power Redundancy and Electrical Building Improvements	Cnstr	Feb-20	12,610,000
System wide Meter Vault Improvements Set point Control Phase III	Cnstr	Feb-20	11,900,000
Wylie WTP III, Plant Water Improvements	Eng	Feb-20	3,363,000
Relocation of 84" and 42" Waterlines in Parker near Southridge Parkway Property	Prop	Feb-20	1,092,000
High Service Pump Station 3-1 Expansion to 450 MGD	Cnstr	Mar-20	13,000,000
Water Transmission Pipeline Condition Assessment	Cnstr	Apr-20	3,090,000
Wylie WTP Conversion to BAF	Cnstr	May-20	26,265,000
Forney Site Improvements	Cnstr	Jun-20	1,755,000
Forney Site Improvements	Insp	Jun-20	48,000
Shiloh System Ground Storage Tank	Cnstr	Jun-20	7,400,000
Wylie WTP III, Sludge Handling and Reclaim Basin Improvements	Cnstr	Jun-20	5,464,000
Rockwall High Service Pump Station Improvements	Cnstr	Jun-20	3,000,000
Texoma Raw Water Pipeline Fiber Optic Improvements	Cnstr	Jul-20	4,120,000
Texoma Raw Water Pipeline Fiber Optic Improvements	Insp	Jul-20	103,000
Bonham Tawakoni WTP Improvements	Cnstr	Jul-20	7,777,000
Wylie WTP III, Structural and Mechanical Improvements Phase II	Cnstr	Sep-20	13,000,000
Total Project Cost			\$ 140,767,000
Estimated Cost of Issuance			385,000
Total			\$ 141,152,000

System / Project	Type	Est Award	Amount
Regional Water System - SWIFT - 11/01/2019			
Treated Water Pipeline (from Leonard WTP to McKinney No. 4)	Cnstr	Nov-19	\$ 51,731,000
BDL - Construction Management Services	Cnstr	Dec-19	4,139,000
BDL - Additional Program Management and Quality Assurance	Cnstr	Dec-19	3,500,000
BDL - Construction Management Services	Insp	Dec-19	8,226,000
BDL - Construction Management Services	Cnstr	Dec-20	2,857,000
BDL - Additional Program Management and Quality Assurance	Cnstr	Dec-20	2,800,000
BDL - Construction Management Services	Insp	Dec-20	3,218,000
BDL - Improvements to Dodd City Wastewater Treatment Plant	Cnstr	Apr-21	1,030,000
BDL - Improvements to Honey Grove Wastewater Treatment Plant	Cnstr	Apr-21	1,030,000
BDL - Construction Management Services	Cnstr	Dec-21	423,000
BDL - Additional Program Management and Quality Assurance	Cnstr	Dec-21	1,000,000
BDL - Construction Management Services	Insp	Dec-21	234,000
BDL - Contingency	Cnstr	Dec-21	20,722,000
Total Project Cost		\$	100,910,000
Estimated Cost of Issuance			435,000
Total		\$	101,345,000

Regional Water System - 09/01/2020

Relocation of 84" and 42" Waterlines in Parker near Southridge Parkway	Cnstr	Sep-20	\$ 6,080,000
Wylie WTP Finished Water Storage and Equalization	Insp	Sep-20	362,000
System wide Meter Vault Improvements - Set point Control Phase V	Eng	Sep-20	1,236,000
System wide Meter Vault Improvements - Set point Control Phase IV	Cnstr	Oct-20	12,270,000
Wylie WTP Finished Water Storage and Equalization	Eng	Nov-20	1,541,000
36"/24" Pipeline (from Lavon No. 2 to 21" PL near Rockwall No. 1)	Cnstr	Feb-21	9,000,000
Wylie WTP I, Backwash and Reclamation Upgrade	Cnstr	Feb-21	2,530,000
Wylie WTP II, Distribution Meter Vaults Improvements	Cnstr	Feb-21	1,686,000
Chemical System for Plants I, II and III Enhanced Biologically Active Filters	Cnstr	Mar-21	3,800,000
Total Project Cost		\$	38,505,000
Estimated Cost of Issuance			275,000
Total		\$	38,780,000

Regional Wastewater System - 02/01/20

South Mesquite Regional WWTP Solids Handling Improvements	Cnstr	Feb-20	\$ 20,528,000
South Mesquite Regional WWTP Solids Handling Improvements	Insp	Feb-20	424,000
Rowlett Creek Regional WWTP Operations Building	Cnstr	Feb-20	2,575,000
Rowlett Creek Regional WWTP Operations Building	Insp	Feb-20	130,000
Wilson Creek Regional WWTP Electrical Improvements Phase III	Eng	Jun-20	556,000
Wilson Creek Regional WWTP Improvements	Eng	Sep-20	515,000
Floyd Branch Regional WWTP Peak Flow Management	Eng	Oct-20	1,030,000
Total Project Cost		\$	25,758,000
Estimated Cost of Issuance			967,000
Total		\$	26,725,000

System / Project	Type	Est Award	Amount
Regional Wastewater System - 04/01/20 CWSRF			
Regional Water Resource Recovery Facility	Prop	Apr-20	\$ 3,193,000
Regional Water Resource Recovery Facility	Cnstr	May-20	51,500,000
Regional Water Resource Recovery Facility Expansion	Eng	May-20	11,458,000
Total Project Cost			\$ 66,151,000
Estimated Cost of Issuance			5,134,000
Total			\$ 71,285,000
Regional Wastewater System - 08/01/20 CWSRF			
Rowlett Creek Regional WWTP Peak Flow Management Phase II Improvements	Cnstr	Aug-20	59,000,000
Rowlett Creek Regional WWTP Peak Flow Management Phase II Improvements	Insp	Aug-20	670,000
Total Project Cost			\$ 59,670,000
Estimated Cost of Issuance			3,760,000
Total			\$ 63,430,000
Upper East Fork Interceptor System - 02/01/20			
North McKinney Parallel Interceptor	Cnstr	Feb-20	\$ 13,612,000
North McKinney Parallel Interceptor	Insp	Feb-20	273,000
McKinney-Prosper Transfer Sewer Phase I	Cnstr	Feb-20	12,879,000
McKinney-Prosper Transfer Sewer Phase I	Insp	Feb-20	258,000
Sloan Creek Force Main - Construction	Cnstr	Feb-20	7,828,000
Sloan Creek Force Main	Insp	Feb-20	237,000
Preston Road Lift Station Expansion	Eng	Feb-20	1,592,000
Princeton Lift Station Pump Addition to 12 MGD	Eng	Feb-20	67,000
McKinney Eastside Gravity Extension Parallel Phase I Improvements	Eng	Apr-20	407,000
UEFIS Bypass Connection and Phase II Valve Improvements	Eng	Apr-20	560,000
North McKinney Parallel Interceptor Improvements Phase II	Insp	May-20	237,000
121 Force Main Improvements	ROW	May-20	54,000
Wilson Creek Transfer Force Main	Cnstr	Jun-20	7,210,000
Wilson Creek Transfer Force Main	Insp	Jun-20	145,000
UEFIS Rehabilitation and Improvements	Cnstr	Jun-20	1,850,000
McKinney Eastside Gravity Extension Parallel Phase I Improvements	Prop	Jul-20	73,000
McKinney-Prosper Transfer Sewer Phase II	Cnstr	Aug-20	11,330,000
McKinney-Prosper Transfer Sewer Phase II	Insp	Aug-20	227,000
Preston Road Lift Station Expansion	Prop	Aug-20	1,104,000
Total Project Cost			\$ 59,943,000
Estimated Cost of Issuance			4,232,000
Total			\$ 64,175,000

System / Project	Type	Est Award	Amount
Buffalo Creek Interceptor - 03/01/20			
Buffalo Creek Parallel Interceptor Phase I	Cnstr	Mar-20	\$ 24,220,000
Buffalo Creek Parallel Interceptor Phase I	Insp	Mar-20	560,000
Buffalo Creek Parallel Interceptor Phase I	Cnstr	Mar-20	1,300,000
Buffalo Creek Force Main Parallel	Prop	Apr-20	552,000
Total Project Cost			\$ 26,632,000
Estimated Cost of Issuance			4,203,000
Total			\$ 30,835,000
Panther Creek Wastewater Treatment Plant - 12/01/19			
Panther Creek WWTP Expansion to 15 MGD	Eng	Dec-19	\$ 4,326,000
Total Project Cost			\$ 4,326,000
Estimated Cost of Issuance			129,000
Total			\$ 4,455,000
Muddy Creek Wastewater Treatment Plant - 04/01/20			
Muddy Creek WWTP Peak Flow Storage Basin	Eng	Jun-20	\$ 1,030,000
Muddy Creek WWTP Improvements	Cnstr	Jun-20	2,060,000
Muddy Creek WWTP Improvements	Insp	Jun-20	103,000
Muddy Creek Expansion to 15 MGD	Eng	Nov-20	3,734,000
Total Project Cost			\$ 6,927,000
Estimated Cost of Issuance			693,000
Total			\$ 7,620,000
Grand Total			\$ 549,802,000

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2019-20
DEBT AMORTIZATION SCHEDULES

DEBT AMORTIZATION SCHEDULE

REGIONAL WATER SYSTEM REVENUE BONDS

September 30, 2019

Fiscal Year	Interest Rate of Maturing Bonds	September 1 Principal	March 1 Interest	September 1 Interest	BAB Subsidy	Total
2020	0.850-5.250	\$ 85,955,000	\$ 47,216,591	\$ 47,237,168	\$ (2,144,521)	\$ 178,264,238
2021	0.960-5.250	87,930,000	45,713,719	45,713,719	(2,144,521)	177,212,917
2022	1.100-5.250	88,065,000	44,122,535	44,122,535	(2,086,234)	174,223,837
2023	1.230-5.250	92,065,000	42,517,157	42,517,157	(2,024,280)	175,075,034
2024	1.340-5.000	95,370,000	40,800,235	40,800,235	(1,957,674)	175,012,797
2025	1.480-5.020	94,110,000	39,014,915	39,014,915	(1,886,085)	170,253,746
2026	1.580-5.560	97,570,000	37,251,677	37,251,677	(1,810,007)	170,263,346
2027	1.680-5.560	101,285,000	35,388,176	35,388,176	(1,722,923)	170,338,429
2028	1.850-5.560	102,445,000	33,609,729	33,609,729	(1,632,726)	168,031,731
2029	2.060-5.560	105,275,000	31,631,269	31,631,269	(1,539,221)	166,998,318
2030	2.250-5.910	108,475,000	29,533,433	29,533,433	(1,442,407)	166,099,459
2031	2.430-5.910	113,825,000	27,617,757	27,617,757	(1,335,776)	167,724,737
2032	2.530-5.910	118,495,000	25,379,940	25,379,940	(1,225,008)	168,029,873
2033	2.610-5.910	97,285,000	23,087,237	23,087,237	(1,109,999)	142,349,475
2034	2.680-5.910	100,955,000	21,183,536	21,183,536	(990,543)	142,331,528
2035	2.730-6.010	99,550,000	19,188,621	19,188,621	(866,537)	137,060,706
2036	2.770-6.010	86,375,000	17,198,033	17,198,033	(735,594)	120,035,472
2037	2.810-6.010	82,715,000	15,542,209	15,542,209	(599,498)	113,199,920
2038	2.860-6.010	85,710,000	14,010,300	14,010,300	(458,142)	113,272,457
2039	2.990-6.010	82,155,000	12,488,839	12,488,839	(311,213)	106,821,465
2040	3.010-6.010	78,970,000	11,001,720	11,001,720	(158,604)	100,814,837
2041	3.010-4.000	73,905,000	9,552,311	9,552,311	-	93,009,623
2042	3.010-4.000	76,465,000	8,286,530	8,286,530	-	93,038,060
2043	3.090-4.000	79,135,000	6,976,308	6,976,308	-	93,087,617
2044	3.090-4.000	81,895,000	5,618,923	5,618,923	-	93,132,845
2045	3.090-4.000	77,375,000	4,212,537	4,212,537	-	85,800,074
2046	3.080-4.000	79,990,000	2,904,079	2,904,079	-	85,798,157
2047	3.080-3.430	67,735,000	1,551,199	1,551,199	-	70,837,398
2048	3.430	26,325,000	451,474	451,474	-	27,227,948
		<u>\$ 2,567,405,000</u>	<u>\$ 653,050,987</u>	<u>\$ 653,071,564</u>	<u>\$ (28,181,512)</u>	<u>\$ 3,845,346,039</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, 2019

Fiscal Year	January 1			December 1		
	Principal	Interest at 3.225% per annum	TOTAL	Principal	Interest at 3.225% per annum	TOTAL
2020	\$ 516,130.45	\$ 149,201.85	\$ 665,332.30	\$ 767,893.12	\$ 161,094.93	\$ 928,988.05
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>\$ 4,626,413.94</u>	<u>\$ 696,244.14</u>	<u>\$ 5,322,658.08</u>	<u>\$ 4,995,191.75</u>	<u>\$ 578,736.80</u>	<u>\$ 5,573,928.55</u>

Long term debt outstanding at September 30, 2019, 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, 2019

Fiscal Year	June 11				November 27			
	Principal	Interest at 3.253% per annum		TOTAL	Principal	Interest at 3.253% per annum		TOTAL
2020	\$ 53,191.34	\$ 85,778.74	\$ 138,970.08		\$ 260,398.23	\$ 464,911.92	\$ 725,310.15	
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>\$ 2,636,911.63</u>	<u>\$ 1,532,190.59</u>	<u>\$ 4,169,102.22</u>		<u>\$14,291,789.80</u>	<u>\$ 8,918,135.22</u>	<u>\$23,209,925.02</u>	

Long term debt outstanding at September 30, 2019, 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, 2019

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2020	2.000-5.000	\$ 14,690,000.00	\$ 7,387,028.96	\$ 7,382,512.50	\$ 29,459,541.46
2021	2.000-5.000	15,320,000.00	7,047,637.50	7,047,637.50	29,415,275.00
2022	2.000-5.000	15,985,000.00	6,687,312.50	6,687,312.50	29,359,625.00
2023	3.000-5.000	12,960,000.00	6,317,112.50	6,317,112.50	25,594,225.00
2024	3.000-5.000	13,540,000.00	6,011,812.50	6,011,812.50	25,563,625.00
2025	3.000-5.000	14,160,000.00	5,705,612.50	5,705,612.50	25,571,225.00
2026	3.000-5.000	14,805,000.00	5,371,334.38	5,371,334.38	25,547,668.76
2027	3.000-5.000	14,330,000.00	5,036,734.38	5,036,734.38	24,403,468.76
2028	3.000-5.000	14,990,000.00	4,710,090.63	4,710,090.63	24,410,181.26
2029	3.000-5.000	12,305,000.00	4,368,078.13	4,368,078.13	21,041,156.26
2030	3.125-5.000	10,315,000.00	4,094,500.00	4,094,500.00	18,504,000.00
2031	3.000-5.000	10,770,000.00	3,865,168.75	3,865,168.75	18,500,337.50
2032	3.125-5.000	10,230,000.00	3,646,775.00	3,646,775.00	17,523,550.00
2033	3.250-5.000	10,670,000.00	3,441,406.26	3,441,406.26	17,552,812.52
2034	3.375-5.000	9,360,000.00	3,225,921.88	3,225,921.88	15,811,843.76
2035	3.375-5.000	9,775,000.00	3,027,412.50	3,027,412.50	15,829,825.00
2036	3.500-5.000	10,220,000.00	2,820,018.75	2,820,018.75	15,860,037.50
2037	3.000-4.500	10,680,000.00	2,606,956.25	2,606,956.25	15,893,912.50
2038	3.000-4.500	11,155,000.00	2,393,331.25	2,393,331.25	15,941,662.50
2039	3.000-4.500	11,660,000.00	2,170,193.75	2,170,193.75	16,000,387.50
2040	3.000-5.000	12,180,000.00	1,947,096.88	1,947,096.88	16,074,193.76
2041	3.000-5.000	12,725,000.00	1,705,412.50	1,705,412.50	16,135,825.00
2042	3.000-5.000	13,290,000.00	1,459,134.38	1,459,134.38	16,208,268.76
2043	3.000-4.000	13,890,000.00	1,201,665.63	1,201,665.63	16,293,331.26
2044	3.000-4.000	14,510,000.00	945,150.00	945,150.00	16,400,300.00
2045	3.000-4.000	15,160,000.00	675,850.00	675,850.00	16,511,700.00
2046	3.000-4.000	12,685,000.00	398,093.75	398,093.75	13,481,187.50
2047	3.250-3.750	5,395,000.00	170,862.50	170,862.50	5,736,725.00
2048	3.25	2,265,000.00	75,156.25	75,156.25	2,415,312.50
2049	3.25	2,360,000.00	38,350.00	38,350.00	2,436,700.00
		<u>\$352,380,000.00</u>	<u>\$ 98,551,210.26</u>	<u>\$ 98,546,693.80</u>	<u>\$549,477,904.06</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, 2019

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2020	3.000-6.250	\$ 13,835,000.00	\$ 5,232,742.31	\$ 5,649,555.64	\$ 24,717,297.95
2021	3.000-6.250	14,020,000.00	5,311,155.64	5,311,155.64	24,642,311.28
2022	3.000-6.250	14,645,000.00	4,968,443.14	4,968,443.14	24,581,886.28
2023	3.000-6.250	15,330,000.00	4,610,480.64	4,610,480.64	24,550,961.28
2024	4.000-5.500	16,095,000.00	4,245,855.64	4,245,855.64	24,586,711.28
2025	4.000-5.500	15,685,000.00	3,854,643.14	3,854,643.14	23,394,286.28
2026	3.000-5.000	15,180,000.00	3,480,730.64	3,480,730.64	22,141,461.28
2027	3.000-5.000	15,955,000.00	3,126,030.64	3,126,030.64	22,207,061.28
2028	3.000-5.000	16,745,000.00	2,753,255.64	2,753,255.64	22,251,511.28
2029	3.000-5.000	15,275,000.00	2,373,443.14	2,373,443.14	20,021,886.28
2030	3.000-5.000	12,025,000.00	2,028,443.14	2,028,443.14	16,081,886.28
2031	3.000-5.000	12,505,000.00	1,811,799.39	1,811,799.39	16,128,598.78
2032	3.000-5.000	13,020,000.00	1,577,761.89	1,577,761.89	16,175,523.78
2033	3.000-5.000	10,145,000.00	1,358,405.63	1,358,405.63	12,861,811.26
2034	3.000-5.000	10,565,000.00	1,186,774.38	1,186,774.38	12,938,548.76
2035	3.000-5.000	10,995,000.00	1,006,761.88	1,006,761.88	13,008,523.76
2036	3.000-5.000	9,210,000.00	807,871.88	807,871.88	10,825,743.76
2037	3.000-4.000	6,645,000.00	644,621.88	644,621.88	7,934,243.76
2038	3.000	2,635,000.00	527,850.00	527,850.00	3,690,700.00
2039	3.000	2,725,000.00	488,325.00	488,325.00	3,701,650.00
2040	3.000	2,815,000.00	447,450.00	447,450.00	3,709,900.00
2041	3.000	2,930,000.00	405,225.00	405,225.00	3,740,450.00
2042	3.000	3,045,000.00	361,275.00	361,275.00	3,767,550.00
2043	3.000	3,165,000.00	315,600.00	315,600.00	3,796,200.00
2044	3.000	3,295,000.00	268,125.00	268,125.00	3,831,250.00
2045	3.000	3,425,000.00	218,700.00	218,700.00	3,862,400.00
2046	3.000	3,560,000.00	167,325.00	167,325.00	3,894,650.00
2047	3.000	2,435,000.00	113,925.00	113,925.00	2,662,850.00
2048	3.000	2,530,000.00	77,400.00	77,400.00	2,684,800.00
2049	3.000	2,630,000.00	39,450.00	39,450.00	2,708,900.00
		<u>\$273,065,000.00</u>	<u>\$ 53,809,870.64</u>	<u>\$ 54,226,683.97</u>	<u>\$381,101,554.61</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, 2019

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2020	4.000-5.000	\$ 1,440,000.00	\$ 128,700.00	\$ 306,709.27	\$ 1,875,409.27
2021	4.000-5.001	1,390,000.00	246,731.25	246,731.25	1,883,462.50
2022	4.000-5.002	1,470,000.00	213,606.25	213,606.25	1,897,212.50
2023	4.000-5.003	1,550,000.00	178,556.25	178,556.25	1,907,112.50
2024	3.000-4.750	1,625,000.00	141,581.25	141,581.25	1,908,162.50
2025	3.000-4.800	380,000.00	115,356.25	115,356.25	610,712.50
2026	3.000-4.800	390,000.00	109,656.25	109,656.25	609,312.50
2027	3.00-4.800	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>\$15,050,000.00</u>	<u>\$ 2,420,193.75</u>	<u>\$ 2,598,203.02</u>	<u>\$20,068,396.77</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, 2019

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2020	2.000	\$ 365,000.00	\$ 15,400.00	\$ 15,400.00	\$ 395,800.00
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>\$ 1,540,000.00</u>	<u>\$ 39,150.00</u>	<u>\$ 39,150.00</u>	<u>\$ 1,618,300.00</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, 2019

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2020	5.000	\$ 985,000.00	\$ 161,200.00	\$ 161,200.00	\$ 1,307,400.00
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>\$ 7,915,000.00</u>	<u>\$ 610,750.00</u>	<u>\$ 610,750.00</u>	<u>\$ 9,136,500.00</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

MUDDY CREEK WASTEWATER TREATMENT PLANT REVENUE BONDS

September 30, 2019

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2020	3.000-4.750	\$ 1,850,000.00	\$ 299,575.00	\$ 299,575.00	\$ 2,449,150.00
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>\$16,540,000.00</u>	<u>\$ 1,996,834.39</u>	<u>\$ 1,996,834.39</u>	<u>\$20,533,668.78</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, 2019

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2020	3.000	\$ 215,000.00	\$ 18,600.00	\$ 18,600.00	\$ 252,200.00
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>\$ 1,165,000.00</u>	<u>\$ 55,950.00</u>	<u>\$ 55,950.00</u>	<u>\$ 1,276,900.00</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, 2019

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2020	5.000	\$ 580,000.00	\$ 520,768.76	\$ 520,768.76	\$ 1,621,537.52
2021	3.000-5.000	610,000.00	506,268.76	506,268.76	1,622,537.52
2022	3.000-5.000	640,000.00	493,368.76	493,368.76	1,626,737.52
2023	5.000-5.125	675,000.00	479,818.76	479,818.76	1,634,637.52
2024	5.000-5.125	705,000.00	462,781.26	462,781.26	1,630,562.52
2025	5.000-5.125	740,000.00	444,987.51	444,987.51	1,629,975.02
2026	3.000-5.125	780,000.00	426,309.38	426,309.38	1,632,618.76
2027	3.000-5.000	810,000.00	411,421.88	411,421.88	1,632,843.76
2028	3.000-5.000	850,000.00	394,321.88	394,321.88	1,638,643.76
2029	3.000-4.000	890,000.00	376,371.88	376,371.88	1,642,743.76
2030	3.000-4.000	930,000.00	360,296.88	360,296.88	1,650,593.76
2031	3.250-4.000	970,000.00	343,521.88	343,521.88	1,657,043.76
2032	3.250-4.000	1,010,000.00	325,546.88	325,546.88	1,661,093.76
2033	3.375-4.000	1,055,000.00	306,846.88	306,846.88	1,668,693.76
2034	3.000-3.375	1,100,000.00	287,059.38	287,059.38	1,674,118.76
2035	3.000-3.375	1,145,000.00	269,734.38	269,734.38	1,684,468.76
2036	3.000-3.500	1,185,000.00	251,687.51	251,687.51	1,688,375.02
2037	3.000-3.500	1,235,000.00	232,700.01	232,700.01	1,700,400.02
2038	3.125-3.500	1,280,000.00	212,900.01	212,900.01	1,705,800.02
2039	3.125-3.625	1,335,000.00	191,896.88	191,896.88	1,718,793.76
2040	3.250-3.625	1,380,000.00	169,625.00	169,625.00	1,719,250.00
2041	3.250-3.625	1,440,000.00	146,093.75	146,093.75	1,732,187.50
2042	3.250-3.625	1,495,000.00	121,531.25	121,531.25	1,738,062.50
2043	3.375	870,000.00	96,018.75	96,018.75	1,062,037.50
2044	3.375	900,000.00	81,337.50	81,337.50	1,062,675.00
2045	3.375	930,000.00	66,150.00	66,150.00	1,062,300.00
2046	3.375	965,000.00	50,456.25	50,456.25	1,065,912.50
2047	3.375	995,000.00	34,171.88	34,171.88	1,063,343.76
2048	3.375	1,030,000.00	17,381.25	17,381.25	1,064,762.50
		<u>\$28,530,000.00</u>	<u>\$ 8,081,375.15</u>	<u>\$ 8,081,375.15</u>	<u>\$44,692,750.30</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, 2019

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2020	4.000-5.000	\$ 2,715,000.00	\$ 634,650.00	\$ 634,650.00	\$ 3,984,300.00
2021	5.000	2,835,000.00	571,200.00	571,200.00	3,977,400.00
2022	5.000	2,975,000.00	500,325.00	500,325.00	3,975,650.00
2023	5.000	3,120,000.00	425,950.00	425,950.00	3,971,900.00
2024	5.000	3,275,000.00	347,950.00	347,950.00	3,970,900.00
2025	5.000	3,430,000.00	266,075.00	266,075.00	3,962,150.00
2026	5.000	3,590,000.00	180,325.00	180,325.00	3,950,650.00
2027	5.000	1,235,000.00	90,575.00	90,575.00	1,416,150.00
2028	5.000	1,300,000.00	59,700.00	59,700.00	1,419,400.00
2029	4.000	<u>1,360,000.00</u>	<u>27,200.00</u>	<u>27,200.00</u>	<u>1,414,400.00</u>
		<u>\$25,835,000.00</u>	<u>\$ 3,103,950.00</u>	<u>\$ 3,103,950.00</u>	<u>\$32,042,900.00</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 INTERCEPTOR REVENUE BONDS

September 30, 2019

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2020	5.125	\$ 180,000.00	\$ 19,987.50	\$ 19,987.50	\$ 219,975.00
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>\$ 780,000.00</u>	<u>\$ 51,250.00</u>	<u>\$ 51,250.00</u>	<u>\$ 882,500.00</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

PARKER CREEK PARALLEL INTERCEPTOR REVENUE BONDS

September 30, 2019

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2020	2.000	\$ 115,000.00	\$ 33,828.13	\$ 33,828.13	\$ 182,656.26
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>\$ 2,690,000.00</u>	<u>\$ 355,778.17</u>	<u>\$ 355,778.17</u>	<u>\$ 3,401,556.34</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, 2019

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2020	5.500	\$ 150,000.00	\$ 48,631.25	\$ 48,631.25	\$ 247,262.50
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>\$ 1,705,000.00</u>	<u>\$ 262,762.50</u>	<u>\$ 262,762.50</u>	<u>\$ 2,230,525.00</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

ROCKWALL WATER PUMP STATION FACILITIES REVENUE BONDS

September 30, 2019

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2020	4.500	\$ 125,000.00	\$ 22,697.50	\$ 22,697.50	\$ 170,395.00
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>\$ 1,000,000.00</u>	<u>\$ 95,392.50</u>	<u>\$ 95,392.50</u>	<u>\$ 1,190,785.00</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, 2019

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2020	4.000	\$ 180,000.00	\$ 24,991.25	\$ 24,991.25	\$ 229,982.50
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>\$ 1,205,000.00</u>	<u>\$ 91,660.00</u>	<u>\$ 91,660.00</u>	<u>\$ 1,388,320.00</u>

The bonds bear interest payable December 1 and June 1 of each year with principal due June 1 of each year.

DEBT AMORTIZATION SCHEDULE

SABINE CREEK WASTEWATER TREATMENT PLANT REVENUE BONDS

September 30, 2019

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2020	3.000-4.000	\$ 1,060,000.00	\$ 199,337.50	\$ 199,337.50	\$ 1,458,675.00
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>\$ 12,590,000.00</u>	<u>\$ 1,573,656.25</u>	<u>\$ 1,573,656.25</u>	<u>\$ 15,737,312.50</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, 2019

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2020	5.125	\$ 145,000.00	\$ 16,143.75	\$ 16,143.75	\$ 177,287.50
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>\$ 630,000.00</u>	<u>\$ 41,384.38</u>	<u>\$ 41,384.38</u>	<u>\$ 712,768.76</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, 2019

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2020	2.000	\$ 2,470,000.00	\$ 1,101,168.75	\$ 1,101,168.75	\$ 4,672,337.50
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>\$55,690,000.00</u>	<u>\$10,189,368.75</u>	<u>\$10,189,368.75</u>	<u>\$76,068,737.50</u>

The bonds bear interest payable December 1 and June 1 of each year with principal due June 1 of each year.

DEBT AMORTIZATION SCHEDULE

TERRELL WATER TRANSMISSION FACILITIES REVENUE BONDS

September 30, 2019

Fiscal Year	Interest Rate of Maturing Bonds	June 1 Principal	December 1 Interest	June 1 Interest	Total
2020	3.000	\$ 415,000.00	\$ 159,640.63	\$ 159,640.63	\$ 734,281.26
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>\$ 8,845,000.00</u>	<u>\$ 1,562,278.19</u>	<u>\$ 1,562,278.19</u>	<u>\$ 11,969,556.38</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

REGIONAL SOLID WASTE SYSTEM REVENUE BONDS

September 30, 2019

Fiscal Year	Interest Rate of Maturing Bonds	September 1 Principal	March 1 Interest	September 1 Interest	Total
2020	4.000-5.000	\$ 3,010,000.00	\$ 1,081,840.63	\$ 1,081,840.63	\$ 5,173,681.26
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>\$ 52,190,000.00</u>	<u>\$ 8,435,096.96</u>	<u>\$ 8,435,096.96</u>	<u>\$ 69,060,193.92</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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**2019-20
EMPLOYEE SCHEDULES**

Employee Position and Grade

Position	Grade
Accounting Manager	43
Accounting Technician	22
Accounting Technician (Contracts Coordinator - In Lieu Of)	22
Accounts Payable Supervisor	27
Accounts Receivable Specialist	24
Administrative Assistant	24
Administrative Assistant / Senior Laboratory Technician	27
Administrative Technician	22
Asset Risk Manager	38
Assistant Accounting Manager	39
Assistant Construction Manager	34
Assistant Deputy (CIP)	47
Assistant Deputy (Engineering)	47
Assistant Deputy (Finance)	47
Assistant Deputy (HR & Admin)	47
Assistant Deputy (Maintenance)	47
Assistant Deputy (Solid Waste)	47
Assistant Deputy (Technology & Support)	47
Assistant Deputy (Wastewater)	47
Assistant Deputy (Water)	47
Assistant Electrical Superintendent	29
Assistant Finance Manager	38
Assistant Human Resources Manager	38
Assistant Instrumentation Superintendent	29
Assistant Maintenance Manager	38
Assistant Mechanical Superintendent	28
Assistant to the Water Plant Supervisor	26
Assistant Wastewater System Manager	38
Assistant Water System Manager - Transmission	38
Assistant Water System Manager - Treatment	38
Bois d'Arc Lake Operations Manager	43
Bois d'Arc Lake Permit Supervisor	31
Bois d'Arc Lake Supervisor	29
Budget Coordinator	25
Chemical System Maintenance Coordinator	29
Chemist / Biologist	29
Chief Control Room Operator	28

Position	Grade
Chief Wastewater Conveyance Operator	28
Chief Wastewater Plant Operator	28
CMOM Program Manager	38
Construction Inspector I	25
Construction Inspector II	27
Construction Manager	38
Contract Administrator	34
Contracts Coordinator	28
Control Systems Manager	43
Control Systems Senior Technician	30
Control Systems Senior Technician (IT Sr Tech - In Lieu Of)	30
Control Systems Supervisor	32
Control Systems Technician	25
Custodial Crewleader	23
Custodian	16
Debt and Investment Supervisor	35
Deputy Director (Administrative Services)	N/A
Deputy Director (Engineering & CIP)	N/A
Deputy Director (Operations & Maintenance)	N/A
Deputy QA / QC Officer / Laboratory Safety Officer	29
Electrical Maintenance Manager	36
Electrical Superintendent	32
Electrical Technician	28
Electrician	26
Electrician II	27
Emergency Operations Program Manager	35
Energy Program Manager	38
Engineering Manager	44
Engineering Projects Coordinator	35
Engineering Technician	28
Environmental Analyst	30
Environmental Compliance Coordinator	29
Environmental Compliance Manager	38
Environmental Manager (Permit Mgr - ILO)	38
Environmental Program Coordinator	32
Environmental Program Manager	38
Environmental Services Manager	43
Environmental Specialist I	25
Environmental Specialist II	28

Position	Grade
Environmental Supervisor I	29
Environmental Technician II	23
Executive Administrative Assistant	30
Executive Assistant	38
Executive Director / General Manager	N/A
Facilities Services Manager	35
Finance Manager	43
Financial Analyst	29
Financial Analyst I (SWIFT)	25
Financial Assistant	24
Financial Reporting Accountant	38
Fleet Administrator	24
Fleet Maintenance Equipment Mechanic	25
Fleet Maintenance Shop Assistant	20
Fleet Maintenance Shop Foreman	28
Fleet Maintenance Shop Supervisor	32
Fleet Manager	38
GIS Analyst	27
GIS Coordinator	28
Government Relations Advisor	35
Graduate Engineer	30
Health & Safety Manager	43
Heavy Equipment Mechanic	26
Heavy Equipment Operator	23
Heavy Equipment Shop Foreman	28
HR Specialist	25
Human Resources Manager	43
Human Resources Technician	22
Human Resources Trainer	31
I&E Construction Supervisor	31
Information Systems Analyst	27
Information Systems Assistant	22
Information Systems Assistant - Transmission	22
Information Systems Assistant - Wylie WTP	22
Information Systems Manager	39
Information Systems Senior Technician	27
Information Systems Technician	25
Information Technology Manager	42
Information Technology Senior Technician	29

Position	Grade
Information Technology Supervisor	31
Information Technology Supervisor (Control Sys Sr Tech - In Lieu Of)	31
Information Technology Technician	23
Instrumentation Superintendent	32
Instrumentation Technician	27
Instrumentation Technician II	28
Investment Coordinator	26
Laboratory Data Validator	27
Laboratory Manager	38
Laboratory QA / QC Officer	31
Land Agent	30
Landfill Manager	38
Landfill Scalehouse Coordinator	22
Landfill Spotter	17
Landfill Supervisor	31
Lead Control Room Operator - Transmission	27
Lead Dewatering Plant Operator	26
Lead Fleet Maintenance Equipment Mechanic	27
Lead Heavy Equipment Operator	25
Lead Line Locator	26
Lead Maintenance Technician	26
Lead Maintenance Worker - Carpentry	21
Lead Maintenance Worker - Paint	21
Lead Maintenance Worker - Pipeline	21
Lead Operator	26
Lead Technical Services Mechanic	26
Lead Transmission System Operator	26
Lead Transport Driver	26
Lead Wastewater Conveyance Operator	27
Lead Wastewater Plant Operator	27
Lead Water Plant Operator	27
Lead Welder	26
Light Equipment Operator	21
LIMS Administrator	32
Line Locator	25
Maintenance Engineer / Asset Risk Manager	38
Maintenance Manager	44
Maintenance Planner Scheduler	31
Maintenance Right - of - Way Supervisor	26

Position	Grade
Maintenance Services Superintendent Pipeline	29
Maintenance Services Superintendent Plant	29
Maintenance Shop Assistant	20
Maintenance Supervisor	29
Maintenance Valve Crew Supervisor	26
Maintenance Worker	20
Maintenance Worker - Paint / Carpentry	20
Maintenance Worker - Pipeline	20
Maintenance Worker - Wetlands	20
Mechanical Superintendent	31
Mechanic's Assistant	20
Odor Control Worker	18
Operations Manager	32
Ozone Electrician	26
Ozone Instrumentation Technician	27
Ozone Mechanic	25
Ozone Superintendent	31
Ozone Supervisor	28
Painting / Carpentry Crewleader	23
Parts Worker	18
Payroll Supervisor	31
Permit Coordinator	31
Physical Security Coordinator	29
Pipeline Crewleader	26
Planning Program Manager	38
Process Improvement Advisor	44
Professional Engineer	37
Professional Engineer - Special Projects & Water	37
Project Support Supervisor	31
Public Relations & Communications Officer	41
Public Relations Assistant	24
Public Relations Coordinator (PR Specialist - In Lieu Of)	30
Public Relations Specialist	30
Purchasing Manager	43
Quality System Technician	27
Real Estate Manager	43
Receptionist	18
Records Manager	38

Position	Grade
Records Specialist (Digital Specialist Designer - In Lieu Of)	30
Records Technician	25
Regional Wastewater System Manager	44
Registered Surveyor	35
Reservoir Project Manager	44
Safety Coordinator (Emergency Operations)	29
Safety Coordinator (SW & Maint)	29
Safety Coordinator (Training)	29
Safety Coordinator (Wastewater)	29
Safety Coordinator (Water)	29
Sample Control Technician	20
Sample Control Technician II	24
Scale Operator	21
Scale Operator - Part Time	21
Section Chief / Section Supervisor	30
Senior Accountant	28
Senior Administrative Assistant	27
Senior Construction Inspector	28
Senior Environmental Health & Safety Specialist	31
Senior Laboratory Technician	27
Senior Project Accountant	32
Senior Sample Control Technician	27
Sewer System Plants Manager	44
Shift Supervisor	29
Solid Waste and Specialties Program Manager	38
Solid Waste System Manager	44
Special Projects Manager	40
Staff Accountant	25
Technical Services Coordinator	29
Technical Services Crane Operator	25
Technical Services Manager	36
Technical Services Mechanic	25
Tipper Operator	22
Trainer / Lead Operator	28
Training and Development Manager	38
Transfer Station Equipment Operator	22
Transfer Station Foreman	26
Transfer Station Manager	38

Position	Grade
Transmission System Operator II	21
Transport Driver	22
Wastewater Conveyance Operator II	23
Wastewater Conveyance Operator III	26
Wastewater Conveyance Supervisor II	33
Wastewater Conveyance System Manager	44
Wastewater Coordinator	32
Wastewater Mechanic	25
Wastewater Plant Mechanic	25
Wastewater Plant Operator II	23
Wastewater Plant Operator III	26
Wastewater Plant Supervisor II	33
Wastewater Plant Supervisor III	34
Wastewater Program Manager	38
Wastewater Project Coordinator	35
Wastewater Technician I	25
Wastewater Technician II	28
Water Conveyance Program Manager	38
Water Operations Technical Support Manager	42
Water Plant Mechanic	25
Water Plant Operator II	23
Water Plant Operator III	26
Water Plant Supervisor I	29
Water Plant Supervisor II	33
Water Plant Supervisor III	34
Water Quality Technician	23
Water Resource Assistant	24
Water Resource Program & Public Education Manager	38
Water System Manager	44
Water Transmission System Manager	44
Water Treatment Plant Manager	35
Water Treatment Plant Manager - Wylie	35
Water Treatment Program Manager	38
Watershed Manager	38
Welder	24
Wellness and Benefits Administrator	31
Wetlands Supervisor	29

SALARY SCHEDULE ANNUAL AMOUNTS

Grade	Minimum	Midpoint	Maximum
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.

LICENSE	MONTHLY
A	\$150.00
B	\$75.00
C	\$50.00

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

SHIFT	HOURLY
1ST	\$0.00
2ND	\$0.75
3RD	\$1.00

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2019-20
GLOSSARY

Glossary of Terms and Acronyms

Acre-foot	Volume of water needed to cover 1 acre to a depth of 1 foot. It equals 325,851 gallons.
Actual	The final revenue and expenditure results of operations for a fiscal year.
AD	Acronym for Assistant Deputy
Aeration	The process that forces compressed air into wastewater.
Allocation	The apportioning of the common costs of service.
BDL	Acronym for Bois d'Arc Lake
Biosolids	Sludge that has been treated to reduce pathogens, organics and odors, forming a reusable agricultural product.
Board of Directors	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 servers a two-year term.
Bond	A bond is a written promise to pay a specified sum of money (principal) at a specified future date (maturity date), as well as periodic interest paid at a specified percentage of the principal (interest rate).
Budget	A financial plan that consists of proposed expenditures for a fiscal year and proposed revenues for the same period needed to provide services. The plan contains rate and fee resolutions for various anticipated revenue sources that finance the projected expenses of various funds.
Capital Improvement Plan (CIP)	A long-range plan of the District for construction, rehabilitation and improvement of District-owned and operated infrastructure and facilities.
Capital Outlay	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.
CMOM	Acronym for Capacity, Management, Operations and Maintenance
Contingency	A budgetary reserve set aside for emergencies or unforeseen expenditures not otherwise budgeted.
Dam	A barrier constructed for the permanent or temporary impounding of water.
Debt Service	The payment of principal and interest on debt.
Deputy Director (DD)	Deputy Directors are responsible for leading the major divisions of the District.
Effluent	End product of the wastewater treatment process.
EPA	Acronym for Environmental Protection Agency
Executive Director (ED)	The District's Executive Director is responsible for leading all aspects of the NTMWD's operations, management, planning and services.
Fiscal Year (FY)	The District fiscal year begins October 1st and ends September 30th.
Force Main	A pipe that carries wastewater under pressure from the discharge side of a pump to a point of gravity flow downstream.
FTE	Acronym for full-time equivalent, a measurement of staffing. One FTE is a 40-hour week position that is eligible for full benefits.
Fund	An accounting entity with a set of self-balancing accounts for recording the financial resources and transactions of specific activities for an organization.
GIS	Acronym for Geographic Information Systems - A computerized mapping system that captures, stores, analyzes, manages and presents data that is linked to a location.
GTUA	Acronym for Greater Texoma Utility Authority
HSPS	Acronym for High Service Pump Station

Infrastructure	Physical means for meeting water and wastewater needs, such as dams, wells, conveyance systems and water or wastewater treatment plants.
Interceptor	Large pipes that receive wastewater from collection systems and transport it to wastewater treatment plants.
Lift Station (LS) (or Pump Station)	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.
MGD	Acronym for million gallons per day
Mitigation	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.
Mitigation Area	The portion of a site, right-of-way, or piece of property upon which mitigation is proposed or performed.
NTMWD	Acronym for North Texas Municipal Water District
O&M	Acronym for Operations & Maintenance - relates to the District's day to day operations
Potable Water	Water that is safe for human consumption.
Raw Water	Water obtained from natural resources such as reservoirs.
RDF	Acronym for Regional Disposal Facility
Refunding Bonds	Bonds issued to retire already outstanding bonds.
Reservoir	A structure or impoundment for physically storing raw water.
Revenue Bonds	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.
Right of Way (ROW)	The legal right of passage over another person's property.
RSWS	Acronym for Regional Solid Waste System
RWRRF	Acronym for Regional Water Resource Recovery Facility
RWS	Acronym for Regional Water System
RWWS	Acronym for Regional Wastewater System
RWWTP	Acronym for Regional Wastewater Treatment Plant
SCADA	Acronym for Supervisory Control and Data Acquisition – The hardware and software system that collects real time data from sensors at remote locations and send the data to centralized computer where operating personnel can control equipment or conditions.
Sludge	Solid, semi-solid or liquid by-product of wastewater treatment.
SOP	Acronym for Standard Operating Procedures
SUD	Acronym for Special Utility District
SWIFT	Acronym for State Water Implementation Fund for Texas
TCEQ	Acronym for Texas Commission on Environmental Quality
TWCA	Acronym for Texas Water Conservation Association
TWDB	Acronym for Texas Water Development Board
TS	Acronym for Transfer Station
Treated Water	Raw water that has passed the purification process.
UEFIS	Acronym for Upper East Fork Interceptor System
UTRWD	Acronym for Upper Trinity Regional Water District

Water Conservation	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.
Water Contract	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.
Water Demand	The quantity of water projected to meet the overall necessities of a water user group in a specific future year.
Water Rights	Legally protected right to take possession of water occurring in a water supply and to guide the water for beneficial use.
Water Storage Facility	A tank for storing water.
Water Supply	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.
Water Use	The quantity of raw water supplied to or pumped by an individual water user.
Watershed	An area from which water drains to the nearest stream or lake.
WDF	Acronym for Water Distribution Facility
WTF	Acronym for Water Transmission Facility
WTP	Acronym for Water Treatment Plant - A facility that treats and produces potable water for public consumption.
WWTP	Acronym for Wastewater Treatment Plant - A facility used in the conveyance, storage, treatment, reclamation and disposal of wastewater.

2019-20
BUDGET RESOLUTION

NORTH TEXAS MUNICIPAL WATER DISTRICT

RESOLUTION NO. 19-43

A RESOLUTION APPROVING APPROPRIATIONS
FOR THE 2019-20 ALL SYSTEMS ANNUAL BUDGET,
AMENDING THE 2018-19
ANNUAL BUDGET AND
PROVIDING RATES AND CHARGES FOR SYSTEM
SERVICES OF THE NORTH TEXAS MUNICIPAL WATER DISTRICT

WHEREAS, State Law and contracts between the North Texas Municipal Water District and the municipalities served require the adoption of an Annual Budget appropriating funds for the operation, maintenance and debt service requirements for each of the District Systems; and

WHEREAS, it is necessary to establish rates and charges to meet the financial requirements for each of the District Systems in accordance with contractual agreements; and

WHEREAS, the Executive Director/General Manager has prepared the Annual Budget and has determined that the charges for services as proposed will meet the overall financial requirements for each of the District Systems.

NOW, THEREFORE BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE NORTH TEXAS MUNICIPAL WATER DISTRICT THAT THE 2019-20 ALL SYSTEMS ANNUAL BUDGET BE APPROVED AS SUBMITTED BY THE EXECUTIVE DIRECTOR FOR THE FISCAL YEAR OCTOBER 1, 2019 THROUGH SEPTEMBER 30, 2020. 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 2019-20 Annual All Systems Budget document and the Executive Director shall have the authority to transfer funds between accounts but shall require the express approval of the Board of Directors by budget amendment to exceed funding for any Fund. Following are system control details:

<u>By System:</u>	<u>2018-2019 Amended Budget</u>	<u>2019-2020 Budget</u>
Regional Water System	\$351,700,555	\$356,612,720
Regional Wastewater System	70,658,310	76,742,265
Upper East Fork Interceptor System	35,795,630	38,859,130
Sewer System	41,977,080	41,958,060
Regional Solid Waste System	37,110,950	38,289,625
Total	<u>\$537,242,525</u>	<u>\$552,461,800</u>

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<u>By Character:</u>	<u>2018-2019 Amended Budget</u>	<u>2019-2020 Budget</u>
Personnel	\$82,624,390	\$91,125,735
Supplies	55,117,975	60,759,810
Services	84,811,100	80,790,110
Capital Outlay	8,044,480	12,357,175
Escrow	5,372,160	4,281,045
Capital Improvement	57,997,900	36,904,000
Debt Service	243,144,520	266,103,925
Special Projects	130,000	140,000
Total	\$537,242,525	\$552,461,800

2. The Amended Budget, as set forth in the 2019-20 All Systems Annual Budget Document, shall be approved as the authorized Amended Budget for the 2018-19 Fiscal Year and the Proposed Budget, as set forth in the 2019-20 All Systems Annual Budget Document, shall be approved as the authorized Budget for the 2019-20 Fiscal Year. The increase in Debt Service of \$22,959,405 is to fund approximately \$530 million in project costs District-Wide. The increase in Supplies of \$5,641,835 is to fund additional chemical demand due to increasing minimum annual demands in 2019-20 for the Regional Water System and increasing bid prices. The increase in Capital Outlay of \$4,312,695 is to fund District-Wide new and replacement vehicles, large replacement pumps, specialized equipment and landfill cell development in the Regional Solid Waste System.

3. The Salary Plan as set forth in the 2019-20 All Systems Annual Budget Document shall be applicable to all District employees, including the Executive Director and the Deputy Directors, and salaries shall be paid during the 2019-20 Fiscal Year in biweekly payments (every two weeks).

4. All District employees that are classified at the Maximum on the Salary Plan shall be considered for a one-time merit payment with an average of 3% of their current annual salary.

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

6. The District shall fund the Deferred Compensation accounts for the Executive Director and the Deputy Directors in annual amounts for the Executive Director of \$_____, the Deputy Director (Operations & Maintenance) of \$_____, the Deputy Director (Engineering & CIP) of \$_____, and for the Deputy Director (Administrative Services) of \$_____.

7. In addition to the compensation set forth above in Sections A.5 and A.6:

- a. For any period that the Executive Director declines the District's group health insurance, the District will fund the Deferred Compensation account for the Executive Director in an annual amount of \$_____; and
- b. The District will provide the Executive Director with \$____ in life insurance coverage.
- c. The Executive Director shall receive ____ days of paid vacation effective on October 1st.

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SECTION B - CHARGES FOR SERVICE

1. The following minimum annual demands and water rates shall be applicable during the 2019-20 Fiscal Year.

WHOLESALE TREATED WATER RATES

Entity	Minimum Annual Demand 1,000 gallons	Water Rate per 1,000 gallons	Minimum Annual Charge	Excess Water Rate per 1,000 gallons
Members:				
Allen	6,011,208	\$ 2.99	\$ 17,973,511.92	\$ 0.44
Farmersville	280,467	\$ 2.99	\$ 838,596.33	\$ 0.44
Forney	1,956,185	\$ 2.99	\$ 5,848,993.15	\$ 0.44
Frisco	10,986,490	\$ 2.99	\$ 32,849,605.10	\$ 0.44
Garland	13,721,955	\$ 2.99	\$ 41,028,645.45	\$ 0.44
McKinney	11,963,029	\$ 2.99	\$ 35,769,456.71	\$ 0.44
Mesquite	8,297,666	\$ 2.99	\$ 24,810,021.34	\$ 0.44
Plano	26,719,809	\$ 2.99	\$ 79,892,228.91	\$ 0.44
Princeton	535,076	\$ 2.99	\$ 1,599,877.24	\$ 0.44
Richardson	11,019,311	\$ 2.99	\$ 32,947,739.89	\$ 0.44
Rockwall	3,953,622	\$ 2.99	\$ 11,821,329.78	\$ 0.44
Royse City	493,325	\$ 2.99	\$ 1,475,041.75	\$ 0.44
Wylie	1,877,558	\$ 2.99	\$ 5,613,898.42	\$ 0.44
Total Members	97,815,701		\$ 292,468,945.99	
Customers:				
Ables Springs SUD	84,865	\$ 3.04	\$ 257,989.60	\$ 0.49 a
Bear Creek SUD	243,364	\$ 3.04	\$ 739,826.56	\$ 0.49
BHP WSC	138,023	\$ 3.04	\$ 419,589.92	d
Bonham	640,000	\$ 2.99	b \$ 1,913,600.00	c
Caddo Basin SUD	356,169	\$ 3.04	\$ 1,082,753.76	\$ 0.49
Cash SUD	305,643	\$ 3.04	\$ 929,154.72	d
College Mound SUD	66,769	\$ 3.04	\$ 202,977.76	\$ 0.49
Copeville SUD	99,952	\$ 3.04	\$ 303,854.08	c
East Fork SUD	492,292	\$ 3.04	\$ 1,496,567.68	\$ 0.49
Fairview	887,811	\$ 3.04	\$ 2,698,945.44	\$ 0.49
Fate	279,932	\$ 3.04	\$ 850,993.28	\$ 0.49
Fate No. 2	529,453	\$ 3.04	\$ 1,609,537.12	\$ 0.49
Forney Lake WSC	296,327	\$ 3.04	\$ 900,834.08	d
Gastonia Scurry SUD	110,490	\$ 3.04	\$ 335,889.60	e
GTUA	792,226	\$ 3.04	\$ 2,408,367.04	\$ 0.49
Josephine	71,000	\$ 3.04	\$ 215,840.00	\$ 0.49
Kaufman	459,989	\$ 3.04	\$ 1,398,366.56	d
Kaufman Four-One	555,695	\$ 3.04	\$ 1,689,312.80	\$ 0.49
Little Elm	1,500,532	\$ 3.04	\$ 4,561,617.28	c
Lucas	628,590	\$ 3.04	\$ 1,910,913.60	\$ 0.49
Melissa	285,850	\$ 3.04	\$ 868,984.00	\$ 0.49
Milligan WSC	149,894	\$ 3.04	\$ 455,677.76	c
Mt. Zion WSC	159,302	\$ 3.04	\$ 484,278.08	\$ 0.49
Murphy	1,538,414	\$ 3.04	\$ 4,676,778.56	\$ 0.49
Nevada SUD	47,179	\$ 3.04	\$ 143,424.16	\$ 0.49
Nevada SUD No. 2	70,985	\$ 3.04	\$ 215,794.40	\$ 0.49
North Collin SUD	346,058	\$ 3.04	\$ 1,052,016.32	d
Parker	533,654	\$ 3.04	\$ 1,622,308.16	\$ 0.49

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Entity	Minimum Annual Demand 1,000 gallons	Water Rate per 1,000 gallons	Minimum Annual Charge	Excess Water Rate per 1,000 gallons
Prosper	1,712,581	\$ 3.04	\$ 5,206,246.24	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	\$0.49
Seis Lagos MUD	135,657	\$ 3.04	\$ 412,397.28	\$0.49
Sunnyvale	626,255	\$ 3.04	\$ 1,903,815.20	c
Terrell	1,400,000	\$ 3.04	\$ 4,256,000.00	c
Wylie N.E. SUD	247,512	\$ 3.04	\$ 752,436.48	d
Total Customers	<u>20,459,926</u>		<u>\$ 62,166,175.04</u>	
Total	<u>118,275,627</u>		<u>\$ 354,635,121.03</u>	

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.

e Water consumed over Minimum Annual Demand shall be charged at a rate of \$6.08 / 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	\$.80 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 2019-20 Fiscal Year.

121 REGIONAL DISPOSAL FACILITY CHARGES

I. All Vehicles - \$38.00 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

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- III. The Executive Director may prepare a schedule of charges to be used when weights are not practical to obtain.
- IV. There shall be a charge to District operated wastewater plants for disposal of federal and state approved sludge materials equivalent to \$25.51 per actual ton.
- V. Pull-off Fee (non-refundable) - \$25.00
- VI. The Executive Director may prepare a schedule of charges, subject to approval of the Board of Directors, for special projects.

CUSTER ROAD, PARKWAY AND LOOKOUT DRIVE TRANSFER STATION CHARGES

- I. All Vehicles - \$52.00 per Ton, One Ton Minimum
- II. Additional charge above the basic vehicle charge for loads containing roofing shingles - \$150.00
- III. The 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 26, 2019, IN THE ADMINISTRATIVE OFFICES OF THE NTMWD.

DARRELL GROOMS, SECRETARY

DON GORDON, PRESIDENT