

GUADALUPE-BLANCO RIVER AUTHORITY

WORK PLAN AND BUDGET

Fiscal Year Ending August 31, 2020



Seguin, Texas

GUADALUPE-BLANCO RIVER AUTHORITY

WORK PLANS AND BUDGETS

Fiscal Year Ending August 31, 2020

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Executive Manager of Administration

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Guadalupe-Blanco River Authority
Fiscal Year 2020 Work Plan and Budget Format
System Listing

Yr Operations Began	Budget Sections			Type of Budget
		Introductory Section		
		General & Statistical Summary		
		Staffing Summary		
		Financial Summary		
		Consolidated Funds	Section A	
	010	General Division	Section B	Unit of Service
1962	021	Guadalupe Valley Hydroelectric Division	Section C	Unit of Service
2006	030	Shadow Creek Wastewater Treatment Plant	Section D	Unit of Service
1972	032	Canyon Park Wastewater Treatment Plan	Section D	Unit of Service
1972	033	Dunlap Wastewater Treatment Plan	Section D	Unit of Service
1977	034	Northcliffe Wastewater Treatment Plant	Section D	Budget-to-Actual
2007	037	Sunfield WWTP	Section D	Budget-to-Actual
1967	041	Water Sales System	Section E	Unit of Service
1974	041	Laboratory System	Section E	Unit of Service
1962	043	Calhoun Canal System	Section E	Unit of Service
1998	044	San Marcos Water Treatment Plant	Section E	Unit of Service
2002	045	Buda Wastewater Treatment Plant	Section E	Budget-to-Actual
2019	047	Carrizo Groundwater System	Section E	Unit of Service
2005	050	Western Canyon Water Treatment Plant System	Section F	Unit of Service
2017	051	4S Ranch Wastewater Treatment Plant	Section F	Budget-to-Actual
2005	052	Cordillera Water Distribution System	Section F	Unit of Service
2005	053	Cordillera Wastewater Treatment Plant	Section F	Unit of Service
2007	054	Comal Trace WDS	Section F	Unit of Service
2009	055	Johnson Ranch Water Distribution System	Section F	Unit of Service
2009	056	Johnson Ranch Wastewater Treatment Plant	Section F	Unit of Service
2015	057	Bulverde Singing Hills Wastewater Treatment Plant	Section F	Budget-to-Actual
2017	058	Park Village Wastewater Treatment Plant	Section F	Budget-to-Actual
2019	059	Boerne ISD Voss Middle School Wastewater Treatment Plant	Section F	Budget-to-Actual
1969	060	Port Lavaca Water Treatment Plant	Section G	Budget-to-Actual
1974	070	Calhoun County Rural Water System	Section H	Unit of Service
1981	091	Coleto Creek Reservoir	Section I	Budget-to-Actual
1981	092	Coleto Creek Recreation	Section I	Unit of Service
1977	100	Luling Water Treatment Plant	Section J	Budget-to-Actual
1988	120	Canyon Hydroelectric Plant	Section K	Budget-to-Actual
1994	130	Lockhart Wastewater Treatment Plant	Section L	Budget-to-Actual
2000	131	Lockhart Water Treatment Plant	Section L	Budget-to-Actual
		Glossary	Section M	
		Index	Section N	

FY 2020 WORK PLAN AND BUDGET PROGRAM NARRATIVE

The mission of the Guadalupe-Blanco River Authority is to “support responsible watershed protection and stewardship, provide quality operational service, and a commitment to promote conservation and educational opportunities in order to enhance quality of life for those we serve.” This is a broad and encompassing mission statement reflective of GBRA’s legislative mandates and constituent demands. A comprehensive update of GBRA’s Strategic Plan was completed in 2018 and an outline is presented in the document. In developing the FY 2020 Work Plan and Budget, GBRA has included new and continuing initiatives which best accomplish the strategic goals as well as those programs that are valued by constituents and customers. Articulated below is a summary of the FY 2020 financial highlights.

I. HISTORICAL REVIEW

The Texas Legislature created the Guadalupe-Blanco River Authority in 1933 as a political subdivision of the State of Texas. The purpose of GBRA as described by the Legislature was to develop, conserve and protect the water resources of the Guadalupe River Basin and make them available for beneficial use. During the 1930’s and 1940’s, GBRA submitted applications to the Federal Public Works Administration. These applications laid the groundwork for the eventual construction of Canyon Dam and Reservoir following World War II. GBRA also adopted during these decades a soil and water conservation program and explored the potential for hydroelectric development using natural flows of the Guadalupe River. Following the drought and floods of the 1950’s, GBRA (1) supported a statewide Water Resource Development and Conservation Plan, (2) agreed to serve as local sponsor for the Canyon Reservoir project and (3) proposed construction of additional reservoirs in the basin to provide water for future growth. In the 1960’s, GBRA implemented water quality studies in the Guadalupe River Basin and extended this commitment to water protection by directly assisting communities in the planning and operation of water treatment and wastewater treatment facilities. Also during the 60’s, GBRA (1) acquired the Calhoun Canal System and the “run-of-river” rights associated with the Canal System, (2) built the Lower Guadalupe Diversion Dam and Salt Water Barrier, and (3) purchased six small hydroelectric dams and powerhouses in Guadalupe and Gonzales Counties along with the run-of-river water rights associated with that Hydro System. In the 1970’s, GBRA contracted with the City of Victoria to operate its Regional Wastewater Reclamation System, created the GBRA Rural Utilities Division to operate several small wastewater treatment plants, and constructed and operated the Port Lavaca and Luling Water Treatment Plants. Additionally during the 1970’s, GBRA concluded the first contractual commitments of stored water from Canyon Reservoir while also modernizing the GBRA hydroelectric system. Water quality programs that were initiated during the 60’s were expanded in 1973 with a joint study between GBRA and the Upper Guadalupe River Authority. In the decade of the 1980’s, because of Canyon Reservoir’s ability to deliver a firm water supply, GBRA constructed the Coleta Creek Reservoir.

This new reservoir was designed and stills functions as a cooling reservoir for a coal-fired electric generating plant. Other accomplishments of the 80’s include the construction of a lower basin water supply pump station and pipeline in Calhoun County that serves two industries along the

Victoria Barge Canal as well as the construction of the six megawatt Canyon Hydroelectric Plant in Comal County. During the 1990's, GBRA's growth accelerated. GBRA constructed and/or assumed operations of seven wastewater treatment plants. These plants include two in the City of Lockhart, one in the City of Buda, one for the Crestview area of Calhoun County, one in the Cordillera subdivision in Kendall County, and one each in the Shadow Creek and Sunfield subdivisions located in Hays County. During the first years of the new millennium, GBRA assumed operation of two water treatment plants, one for the City of San Marcos and one for the City of Lockhart and constructed a third, the 10 MGD Western Canyon Plant that serves portions of Comal and Kendall Counties. GBRA also constructed two raw water delivery pipelines and two treated water delivery pipelines totaling approximately 70 miles in length. Finally in the last few years, GBRA has expanded its retail water delivery systems and retail wastewater collection systems in the upper basin with the addition of systems in the Cordillera and Johnson Ranch developments, purchased and now operates a treated water distribution system in the Comal Trace development, and commenced operation of the Singing Hills Wastewater Treatment Plant on behalf of the City of Bulverde. GBRA also continues to experience growth in its retail operations with new connections to the Dunlap WWTP System as a result of on-going home construction within that service area as well as from new developments in the Canyon Park WWTP service area. Additionally, GBRA continues to monitor the construction followed by operation of new wastewater treatment plants in the Park Village, Four S Ranch, and Johnson Ranch Developments in Comal County. These new plants are located in a rapid growth area that is just north of San Antonio near the intersection of Texas highway 46 and U.S. highway 281. During FY 2019, GBRA began operating a wastewater treatment plant for Boerne Independent School District on the site of Voss Middle School. The financial impact of the all of these operations is depicted on page 43.

II. MISSION, GOALS AND OBJECTIVES

The GBRA Board of Directors and Management Team revised the Strategic Plan, which includes its Vision, Mission, Values, and Goals & Strategies. The 10-year Strategic Plan was adopted by the Board of Directors in the fall of 2017 and will guide the work of the organization through 2028. The Strategic Plan is presented below.

Vision

- The Guadalupe-Blanco River Authority leads as a regional partner managing watershed resources to protect and support the needs of a growing population, economy and healthy environment.

Mission

- The mission of GBRA is to support responsible watershed protection and stewardship, provide quality operational service, and a commitment to promote conservation and educational opportunities in order to enhance quality of life for those we serve.

Values

- Service
 - GBRA will maintain high-quality services for our customers
 - GBRA will remain steadfast to preserving the natural environment

- GBRA will retain and recruit qualified, professional employees
- Stewardship
 - GBRA is dedicated to the continued vitality of our communities
 - GBRA will uphold responsible management of watershed resources
 - GBRA will foster a supportive and respectful workforce
- Commitment
 - GBRA will partner with customers and communities to ensure future water and wastewater needs are met
 - GBRA will implement a basin-wide water management plan to protect water supplies and quality
 - GBRA will invest in our capital and human assets to improve our services and infrastructure to increase the value to our customers

Goals and Strategies

- Operational Excellence
 - Safe, Reliable, Sustainable Water Supply
 - Clean, Protective, Innovative Wastewater Treatment
 - Water Quality Services/Resource Protection
 - Hydroelectric Generation
 - Recreation Opportunities
- Asset Investment
 - Organizational Enhancements
 - Human Capital Management
 - Infrastructure Management
- Strategic Communications & Education
 - Implement Proactive Media/Social Media Relations
 - Execute Beneficial Community Relations
 - Produce Publications/Special Projects
 - Employ Education Programming
 - Produce Geographic Information System (GIS) Mapping
 - Implement Marketing Strategies
- Resource Stewardship & Policy
 - Non-Profit Affiliations
 - Endangered Species

III. FINANCIAL POLICIES

An integral component in the development and subsequent success of this Work Plan and Budget are the financial policies of GBRA. Foremost among those policies are those related to Budgets, Procurement, Risk Management, Investments, Capital Assets, Financial Reserves, and Debt Service.

The GBRA Budget policy emphasizes that the annual Work Plan and Budget is a communication tool as well as an internal control tool. These objectives are accomplished by requiring that all

revenue and expenditures be described in detail and that subsequent budget to actual comparisons be compiled at least quarterly. Further budgetary control measures include the prohibition of expending non-budgeted funds that exceed specific amounts without prior Board of Directors approval, unless an emergency condition exists that jeopardizes public health or property.

The GBRA Procurement policy establishes guidelines for procuring equipment, material, supplies, and services for both operating and construction purposes. The policy requires that GBRA conduct its procurement activities in accordance with the spirit and legal intent of the State of Texas procurement laws. Furthermore, the procurement policy states that procurement activities should be conducted in a manner that results in reasonable rates and financial stability while enhancing GBRA efficiency. Finally, the procurement policy assures integrity within the program through open, fair, and competitive practices which provide equal opportunity to all vendors.

The GBRA Risk Management policy establishes guidelines for the management of property and casualty risks to which GBRA and its employees are exposed. The goals of the policy are to minimize or eliminate risks, protect employees from hazards, avoid jeopardizing GBRA's financial condition, and conserve material resources. The principal means of achieving these goals is by applying risk management practices at all organizational levels, retain financial risks when prudent, and purchase insurance to cover other risks.

The GBRA Investment policy provides the guidelines for cash management and investment of funds. The goal of this policy is to provide a high level of security, assure sufficient liquidity, and earn a competitive rate of return consistent with the Texas Public Funds Investment Act. Policy measures include diversification of investment products, limitation of investment terms, mandatory bank collateral procedures, periodic "mark-to-market" valuation of investments, and competitive selection of investments.

The GBRA Capital Assets policy provides for the safeguarding and disposition of all capital assets. The intentions of this policy are to maintain a system that accurately accounts for all capital assets and assigns safekeeping responsibility for each asset. Components of this policy include a policy to capitalize assets exceeding a cost of \$2,000 as well as an annual requirement to physically inventory capital assets.

The GBRA Debt Service policy provides for the authorization to issue obligations within the meaning of the Financing Act. The issuance of these obligations provides funding for the construction costs of new projects as well as the refunding of prior obligations when it is cost effective to do so. GBRA cannot levy or collect taxes, or in any way pledge the general credit of the State of Texas; therefore, no legal debt limit exists for GBRA. Neither GBRA's enabling act nor does state law require GBRA's debt service coverage to be greater than 1:1. Debt service coverage is however required by GBRA to be greater than 1:1 if the size, complexity, or other characteristics of the project financed necessitates it. Each contract revenue bond issue is insured or credit rated based on the financial strength of the underlying credits of GBRA's service contracts.

The GBRA Financial Reserve Goal recognizes that GBRA can be subjected to sudden and unexpected costs as the result of emergencies, natural disasters, uninsured claims, bond or other

payment defaults, and other contingencies. At the same time, GBRA undertakes many projects that require “up-front” money during a project’s early development stage before long-term financing and “rate based” funding becomes possible. In each of these circumstances, GBRA must have a reasonable amount of reserve funds to pay these costs in a timely manner without the need for reactive funding. In order to provide for the efficient allocation of funds whether for project development or for the recovery from an unexpected event, the Financial Reserve Goal directs that GBRA strive to accumulate an unrestricted and undesignated financial reserve balance that approximates 42% of gross revenue, which equates to five months of operations.

IV. FINANCIAL GOALS

GBRA’s financial goals include establishing reasonable rates thereby providing economical service to customers and other constituents within the Guadalupe River Basin. The development of reasonable rates and the pricing of GBRA services must start with the premise that all expenditures including operating expenses, maintenance, debt service, and non-debt financed capital additions will be covered. However beyond the coverage of costs, the reasonable rate goal may also include factors such as customer contractual provisions, competition, comparable services, market, and social concerns. The second of the three principal financial goals is to maintain adequate financial reserves as explained more fully in the Financial Reserve Goal above. The third financial goal is to systematically develop new operations.

An efficient operation with reasonable rates is expected of all governmental organizations. Public scrutiny, and the possibility of both out-sourcing and rate appeals demands that GBRA be cost effective in its operation through sound planning, budgeting and program prioritization. At the same time, it must be recognized that reasonable rates must include components for adequate capitalization and financial reserves. Without such reserves, economical operations can be jeopardized by low credit ratings and/or the inability to meet financial contingencies when they occur. Finally, the existence of financial reserves can be leveraged with constituent resources to enhance the possibility of meeting GBRA’s third financial goal which as stated above is to develop new operations.

V. ORGANIZATION AND STAFF

Provided in the Staffing Summary section on pages 24-26, are charts showing the organizational leaders who are responsible for fulfilling the Mission of GBRA. Additional staffing summaries providing division specific information are shown under each divisional section.

Employees whose positions require them to make purchases for GBRA are authorized to make purchases based on approved spending levels. These spending levels are shown in the Staffing Summary section on page 28.

A net increase of 14.5 positions are included in the Work Plan for FY 2020 in comparison to the previous year’s Work Plan. The position additions are included in the table below:

VI. MAJOR ELEMENTS

Described below are some of the major elements in the GBRA Work Plan and Budget for FY 2020 as well as some of the key components in our efforts to implement and advance the broader GBRA Goals and Objectives.

General Division

- A. Within GBRA's General and Water Resource Divisions, most of the administrative, engineering, public communication, governance, human resources, finance, policy setting, and new project planning activities are accomplished. As such, the personnel of GBRA's Management Team are assigned to one of these two Divisions.
- B. Funds are included in the Budget to continue public and legislative communication efforts. Also included are funds to continue an emphasis on technical training and professional development.
- C. GBRA will continue enhancing its information technology capabilities including its wide area network, internet, intranet, and the GBRA web page. The budget includes ongoing funding for its financial and human resource management software, as well as database and SCADA capabilities to ensure proper security to minimize exposure to unsolicited system intrusions and ensure adequate disaster recovery preparations.
- D. Professional fees are budgeted for the annual financial audit, legal assistance, legislative advocacy, pension plan actuarial reporting, pension plan investment assistance, supervisory and leadership training, computer-related assistance, investment portfolio reviews, and assistance with GBRA's employee benefit plans.
- E. The Administrative & General (A&G) rate charged to all GBRA operations remains the same at 33% of labor.
- F. GBRA is currently evaluating a fleet lease program that would serve all divisions. This program would assist in developing a routine replacement schedule and reduce the cyclical nature of budgeted vehicle purchases from one year to the next.

Hydroelectric Operations

- A. All of the hydroelectric power generated within GBRA's Guadalupe Valley Hydroelectric Division is delivered to the Guadalupe Valley Electric Cooperative (GVEC). Several years ago, GBRA and GVEC agreed to a rate of 3.14¢ per kilowatt-hour assuming average annual generation. Even at this rate, which generally exceeds average market electricity pricing, the hydroelectric division cannot generate sufficient revenue to fund operations as well as a multi-million dollar repair and replacement program needed for its aging infrastructure. GBRA is seeking partners whom receive benefits from the lake to assist in the funding of infrastructure replacements.

- B. In the Guadalupe Valley and Canyon Hydroelectric Divisions, the hydroelectric plants will continue to be operated to produce the maximum amount of power while working within the constraints of the applicable water permits and complying with all federal and state regulations regarding water quality, temperature, and river flows.
- C. Employees of the Hydroelectric Division are also responsible for the operation and maintenance of the Regional and Guadalupe Power Partners raw water pump stations and pipelines that began operations during FY 2001.

Wastewater Utility Operations

- A. In the wastewater operations of the Rural Utilities Division, employees will continue to place emphasis on the correction of infiltration and inflow (I & I) into collection systems. It is important that these I & I issues continue to be addressed to reduce potential sources of pollution and to minimize the detrimental impact on plant hydraulic capacities.
- B. GBRA will be developing the Dietz Wastewater Collection System to serve the high growth area along Highway 46 between New Braunfels and Seguin. Funding for the project is expected to be obtained in the first part of the fiscal year.
- C. GBRA initiated an expansion of the Dunlap Wastewater Treatment Plant starting in September 2006 and a collection system expansion in FY 2013. Together, the enlarged system will provide wastewater service for approximately 2,500 new homes in this area of Guadalupe County. The continued growth in the area will require additional capital investments in the near future.
- D. Monthly sewer rates are scheduled to increase by 9% to \$62 for the Canyon Park and Dunlap facilities. These increases are required to continue to cover costs of the operations as well as capital investments for these systems.
- E. Beginning in FY 2020, customer wastewater bills in Johnson Ranch will be based on water consumptive use. A winter average will be determined based on water usage in the months of December, January, and February (the presumed lowest water usage months due to limited irrigation). Rates will be reset in the spring of each year.
- F. GBRA's largest wastewater operation serves the City of Lockhart. This Work Plan reflects the operation of the original City of Lockhart Larremore Street Plant as well as the operation for the newer FM 20 Reclamation Plant.

Water Resource Operations

- A. GBRA now operates and maintains water treatment plants in the Cities of Port Lavaca, Luling, San Marcos, and Lockhart. In addition to those cities, the plants serve other customers including the City of Buda, City of Kyle, Goforth Special Utility District, Port

O'Connor Improvement District, Calhoun County Rural Water System, Monarch Utilities L.P., and the Sunfield Municipal Utility District.

- B. Since 2006, GBRA also has owned and operated the 10 MGD Western Canyon Water Treatment Plant. This plant serves a number of customers including the City of Boerne, City of Fair Oaks Ranch, San Antonio Water System, Canyon Lake Water Supply Corporation, Kendall West Utility as well as the Cordillera, Comal Trace, and Johnson Ranch housing developments. During 2019, GBRA completed the \$3.5 M aeration project at the Western Canyon Water Treatment Plant related to mitigating disinfection by-products that occasionally occur in the treatment of surface water.
- C. GBRA's Mission, Goals and Objectives emphasize water resource projects and operations, related to both quality and quantity of water. Constituents throughout the river basin recognize the importance of maintaining water quality, while providing sufficient water quantity, especially during times of drought. Fundamental to GBRA's mission is planning and development for the 50-year water demands of the GBRA service area. This emphasis is reflected throughout the Work Plan and Budget.
- D. The General Manager/CEO and other members of the Management Team continue to put a significant amount of time into water resource development and operations. This staff effort is indicative of the emphasis and importance GBRA places on water resource development.
- E. GBRA's contract rate for firm water is budgeted at \$151 per acre-foot per year. The program costs within GBRA's Water Resource operations have trended up with time resulting in a rate increase for FY 2020. Programs that will be an emphasis in the FY 2020 Water Resource work plan include the various programs related to flows from the Edwards Aquifer and the continued development of additional water supplies in the basin including the Mid-Basin Surface Water Project, the Lower Basin Water Supply Project firming up run-of-river water rights, and the Carrizo Groundwater Supply project.
- F. Another of GBRA's areas of emphasis is in customer relations, tourism and economic development. The need to assist customers, constituents, and communities in the GBRA District with water and wastewater needs as well as assist with the quality of life in the District has been identified during previous strategic planning meetings. Tourism and economic development related activities which will continue during FY 2020 include development of river paddling trails, work with the Gorge Preservation Society on further development of the Canyon Lake Gorge, continuing support of the Texas Water Safari, support for the Texas Lineman's Rodeo and assisting several community events.
- G. The Work Plan and Budget includes a continuing emphasis on flood management activities. Funds are again budgeted for coordination with the National Weather Service and work with local emergency management coordinators. There is continued funding of existing streamflow monitoring systems throughout the river basin.

- H. Within the Water Resources Division there are funds budgeted for project and studies especially related to Water Planning, In-Stream and Environmental Flows, defense of GBRA's surface water rights, an Edwards Aquifer habitat conservation plan, control of aquatic weeds particularly non-native species, the Clean Rivers Program, operational studies of Canyon Reservoir releases, water supply issues in Kendall, Comal, Guadalupe, Caldwell, Hays and Calhoun Counties, watershed protection studies, permitting costs of new surface water supplies, the start of a GBRA Habitat Conservation Plan and the Edwards Aquifer issue.
- I. The water quality aspects of water resource management include the operation of the Laboratory in Seguin. GBRA recognizes that the Laboratory is an integral and essential part in the protection of the water resources of the Guadalupe River Basin. Lab personnel do much more than just analyze samples. In addition to analyzing samples and publishing the results, laboratory personnel provide valuable technical assistance to GBRA's operations, local utilities, and residents within the river basin. They also assist educators throughout the basin.
- J. GBRA currently operates five surface water treatment plants including the Port Lavaca, Lockhart, San Marcos, Luling, and Western Canyon Plants. GBRA operates these plants in a manner that include a process called "optimization". Optimization is the concept of operating a water treatment plant to produce a higher quality of treated water than is required by current regulations.
- K. The Port Lavaca Treatment Plant is unique in that GBRA owns the facility. The plant has reached its useful life and needs replacement. GBRA has been working with the City of Port Lavaca and Port O'Connor Improvement District on the study and engineering of a replacement facility as well as cost implications. This full project is expected to be funded through a future revenue bond issuance.
- L. On October 1, 2000, GBRA began operating the City of Lockhart's water well system and ground water treatment plant. This operation was initiated pursuant to a contract executed during September 2000 between GBRA and the City. The contract provided that GBRA would assume the City's water treatment plant employees as well as responsibility for all operating, maintenance, and capital improvement requirements of the system. During FY 2005, a treated water pipeline running from the Luling Water Treatment Plant to the City of Lockhart was completed and placed in operation. This pipeline provides the City of Lockhart with a supplemental, high quality surface water source of up to 1.5 million gallons per day.
- M. During FY 2000, GBRA began operation of the Regional Raw Water Delivery System (RRWDS). The RRWDS pumps stored water from the Guadalupe River to the San Marcos Water Treatment Plant as well as to the Hays Energy Limited Partnership electric generating plant and Canyon Regional Water Authority. The total operating revenue budget exclusive of debt service for this project during 2020 is \$1,105,250.

- N. GBRA also began operation of a second, similar raw water delivery system during FY 2001. This project consists of a pump station located on Lake Dunlap in Guadalupe County and six miles of pipeline. The project provides cooling water to the Guadalupe Power Partners 1,100 megawatt electric generating plant. The FY 2020 revenue budget for this pipeline is \$631,333.
- O. In the Calhoun County Rural Water Supply Division, projects to improve system efficiency are continuing with the installation of new meters that will make transmissions of data easier and reduce staff time in collecting water usage information.
- P. GBRA staff will continue work with residents and developers as well as City and County officials in Comal and Kendall Counties to determine the need and timing of a future expansion of GBRA's Western Canyon Project from its current 10 MGD capacity up to 15 MGD.
- Q. Staff have been working with officials and local developers in western Comal County and Kendall County for a potential regional wastewater plant that serves several areas. A study has been completed and additional discussions are ongoing.
- R. Due to the rapid growth in the northern part of the river basin, a number of road expansion projects are under development by TxDOT. Some of these projects may require some GBRA water supply pipelines to be relocated.
- S. During FY 2019 GBRA began developing a new water supply for New Braunfels Utilities, Goforth Special Utility District, and the City of Lockhart. The project involves developing 15,000 acre-feet of Carrizo Aquifer groundwater in Gonzales and Caldwell counties. GBRA and Alliance Regional Water Authority will collaboratively develop a single treatment plant and transmission system by 2023.

Recreation and Tourism Development

- A. GBRA operates three park facilities, including the Coleta Creek Regional Park located in Victoria and Goliad Counties, the Guadalupe Recreation System in Guadalupe County, and the Lake Wood Recreation Area in Gonzales County. These parks provide picnicking, camping and water-oriented recreation for the residents and visitors of the river basin.
- B. The Guadalupe Recreation System and the Guadalupe Valley Hydroelectric Division hosts the Texas Lineman's Rodeo in July each year, which draws approximately 1,800-2,000 participants and visitors to the park for the competition.
- C. The GBRA staff recognizes that these recreation operations make a valuable contribution to the achievement of GBRA's mission. In fact, public recreation is a specific duty described in GBRA's enabling act. Staff personnel are also involved in tourism development that translates into economic growth and development within the river basin.

This effort broadens GBRA's recreation and tourism development activities beyond the scope of traditional parks and recreation systems.

All Divisions

- A. In the Work Plan and Budget, all divisions are again emphasizing employee and public safety, professional development, succession planning, and technical training. As part of the Goals and Objectives emphasis on technical assistance and support, it is necessary for the staff to spend time at training programs and conferences.
- B. GBRA will also continue to emphasize its safety, health and wellness programs.
- C. In January 2019, GBRA implemented a new retirement plan with the Texas County and District Retirement System (TCDRS). Accumulated benefits within the Defined Benefit Pension Plan were frozen at that time. It is believed that the TCDRS plan will provide a more valuable retirement benefit to employees and reduce GBRA's overall retirement obligations over the long term.
- D. The contribution to the GBRA Health Insurance Plan is expected to moderately increase due to a continuing inflation trend within the health care industry. The overall employee benefit operating costs are expected to increase slightly from \$5,273,925 in FY 2019 to \$5,291,500 in FY 2020.

VII. BUDGET FORMATS

GBRA is comprised of ten separate operating divisions including the General Division, which provides administrative support and overall leadership. Each operating division has a separate budget that monetarily quantifies the major elements of the plan of work for the fiscal year so that each budget is balanced such that all costs have an equal or greater amount of funding budgeted to pay those costs. Some divisions are divided into one or more systems. Where this occurs, each system has a separate budget in order to facilitate cost accounting, fiscal control, and the setting of appropriate customer charges. Following the individual system budgets, a division level consolidated budget is presented for information purposes only. The budget process is further defined on pages 37-38 of this section.

Each operating division or system has one of two types of budgets, depending upon the type of relationship with the divisions' customers:

- A. Some divisions have a budget-to-actual operating relationship with an individual customer. These include the Northcliffe Wastewater Treatment Plant (City of Schertz), Sunfield Wastewater Treatment Plant, Buda Wastewater Treatment Plant, Singing Hills Wastewater Treatment Plant, Park Village Wastewater Treatment Plant, 4S Ranch Wastewater Treatment Plant, Port Lavaca Water Treatment Plant, Coletto Creek Reservoir, Luling Water Treatment Plant, Canyon Hydroelectric (New Braunfels Utilities), Lockhart Wastewater Reclamation System, Lockhart Water Treatment Plant

and Boerne ISD Wastewater Treatment Plant Divisions. In each case, GBRA prepares an annual budget that is approved by the customer. During the course of the fiscal year, monthly billings are sent to the customer based on that budget. At the end of each fiscal year, the amount of monthly billings is adjusted to the total actual cost of service.

- B. The remaining GBRA divisions and systems sell “units of service” to a customer or customers. In each case, the customer(s) pays for the service based upon some unit such as acre-feet of water, kilowatt-hours of electricity, or days of campsite rental. The revenues derived from the customers pay the operating and maintenance, debt service, and capital addition expenses of the division. In these divisions and systems, the income is completely dependent upon the number of units sold and the end of year results may be positive or negative.

Each GBRA division budget is organized into two sections:

A. The first section of the budget includes a divisional summary, organizational chart, staffing summary, and budget narrative. The budget narrative includes a description of the division, objectives, and a highlight of the financial information.

B. The second section is comprised of several pages that summarize all of the funds in whole dollar amounts that have been budgeted to flow into and out of the division. The first two or three pages of this section summarize the entire budget and include operating revenues, operating and maintenance expenses, other sources of income, and uses of funds for purchase of fixed assets, work in progress, and debt service. The end result is a “Net Change in Fund Balance” for the division.

Following the “Net Change in Fund Balance” amount, the remainder of each divisional budget provides more detail on salaries and wages, maintenance and repair expenses, project development activities, construction activities, and capital additions.

The final page of the section will include a Project Fund which contains budgets for capital improvement and multi-year projects, if that division has any identified within the fiscal year.

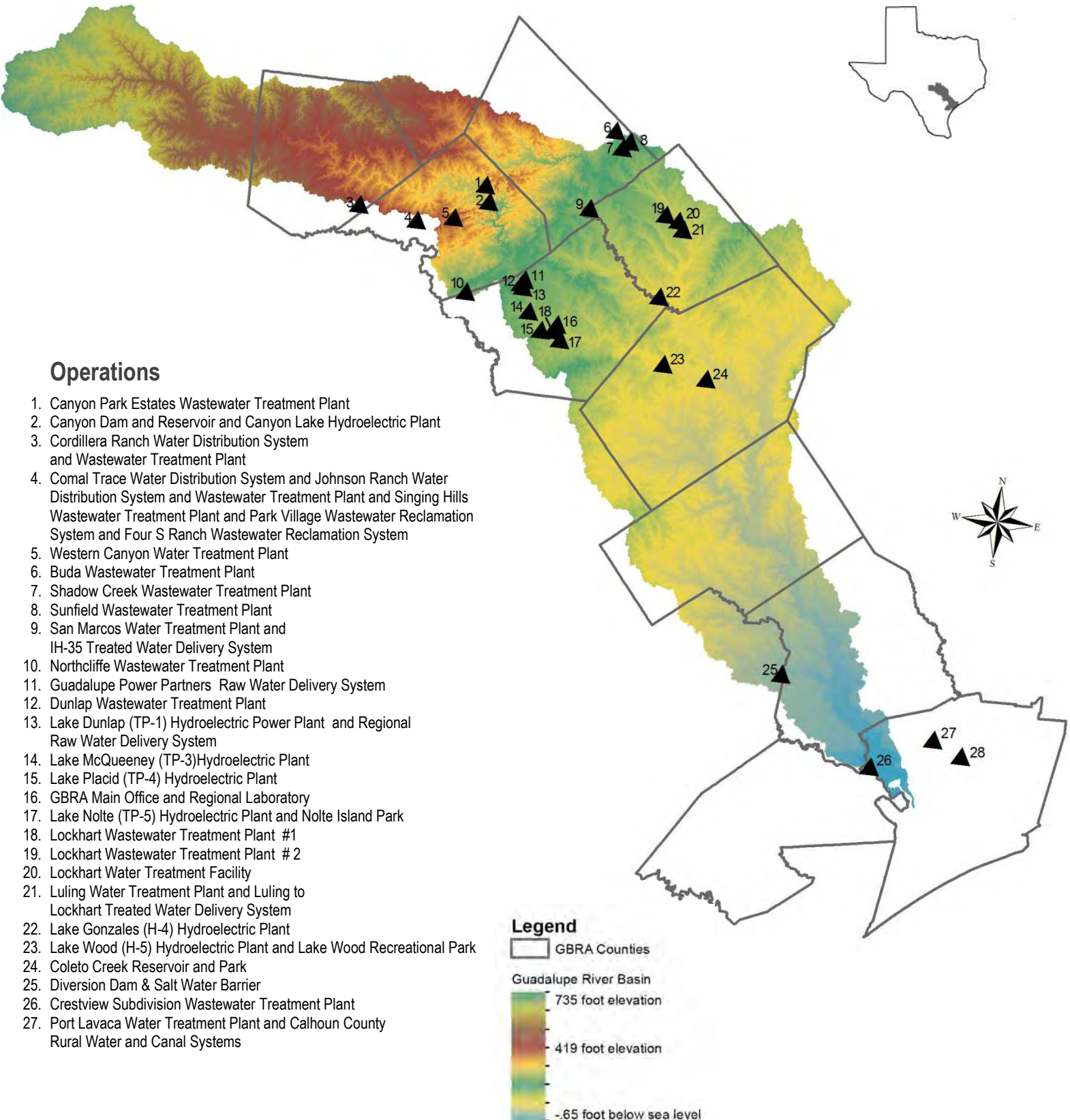
VIII. STATISTICAL & FINANCIAL DATA

Additional statistical and financial data highlighted is provided in the introductory section of the Budget and Work Plan under the Staffing, Financial, and Capital Improvements tabs. The additional data is shown in various tables and graphs including information on GBRA’s principal customers, operating statistics, capital improvements, deferred projects, and debt service information. These are provided to show an overview of GBRA’s resources and to demonstrate that GBRA continues to meet its responsibility for sound financial management.

IX. RATES

A table of rates and rate structures on pages 49-58 in the Financial Summary section summarizes GBRA's existing and proposed rates. The rates listed for FY 2020 are being recommended to the GBRA Board of Directors for approval along with their approval of the larger budget. The rates that are recommended to be changed from FY 2019 to FY 2020 are shaded in yellow for ease of identification. The budgets have been prepared with the assumption that the rates will be in effect for most of the year, pending contractual requirements to notify customers.

Map of River Basin



Statistical Data

Rivers:

Guadalupe	
Total River Miles	431.6
Average Discharge	1,240,000 acre-feet/year
Blanco	
Total River Miles	89.8
Average Discharge	110,100 acre-feet/year
San Marcos	
Total River Miles	74.2
Average Discharge	259,400 acre-feet/year
Comal	
Total River Miles	2.0
Average Discharge	219,800 acre-feet/year

Dams and Reservoirs:

Canyon Conservation Pool	
Capacity	386,210 acre-feet
Surface Area.....	8,240 acres
Elevation	909.0 ft. (MSL)
Canyon Flood Control Pool	
Capacity	346,000 acre-feet
Surface Area.....	12,890 acres
Elevation	943.0 ft. (MSL)
Coleta Creek	
Capacity	35,084 acre-feet
Surface Area.....	3,100 acres
Elevation	98.0 ft. (MSL)
Dunlap	
Capacity	5,900 acre-feet
Surface Area.....	410 acres
McQueeney	
Capacity	5,050 acre-feet
Surface Area.....	400 acres
TP-4	
Capacity	2,624 acre-feet
Surface Area.....	248 acres
Nolte	
Capacity	1,550 acre-feet
Surface Area.....	153 acres
H-4	
Capacity	6,500 acre-feet
Surface Area.....	696 acres
H-5	
Capacity	4,000 acre-feet
Surface Area.....	488 acres
Lower Guadalupe Diversion Dam and Salt Water Barrier	
Capacity	600 acre-feet
Surface Area.....	100 acres



General Information

Guadalupe-Blanco River Authority

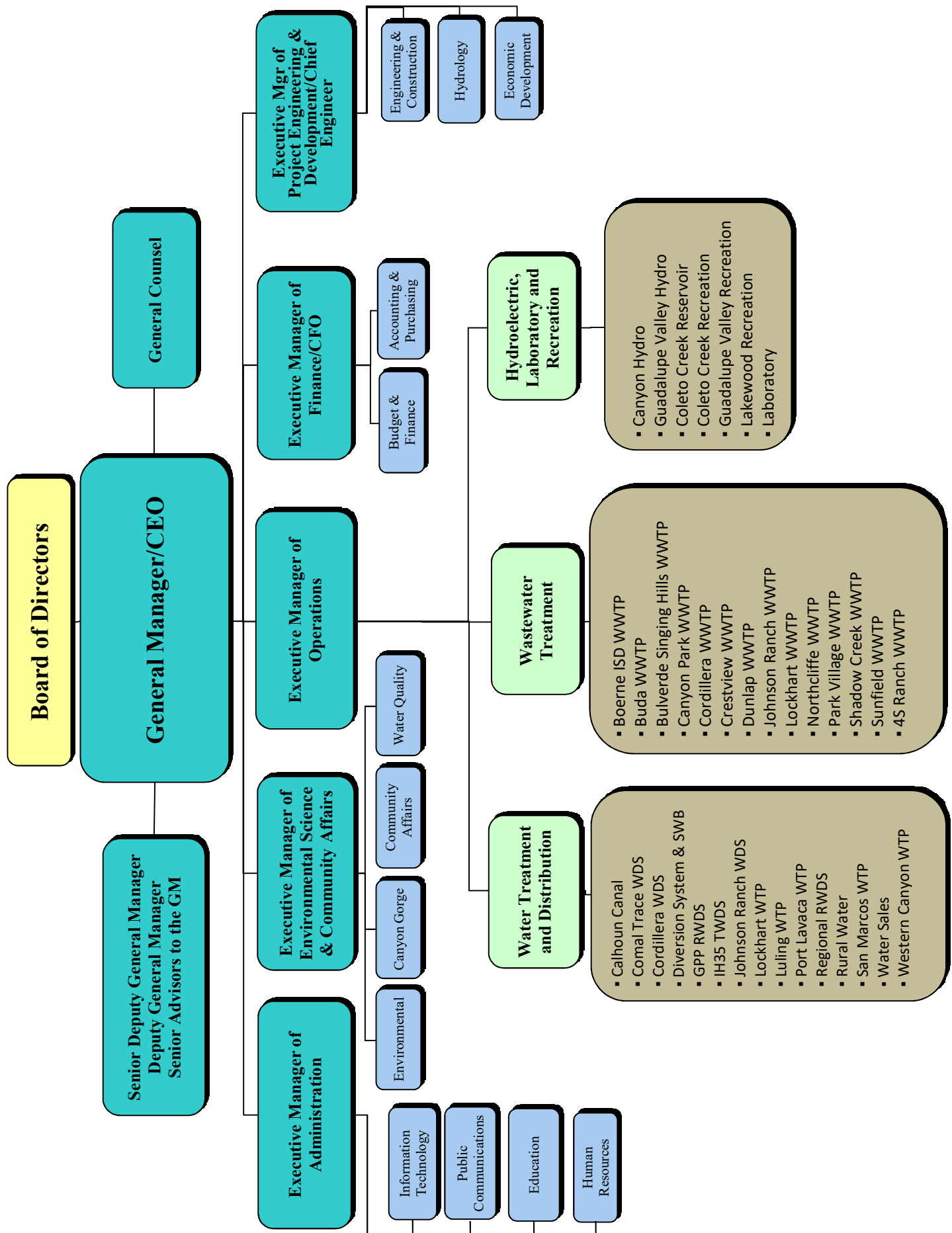
Created under..... Vernon's Civil Statutes, Article 8280-106
Year Created 1935
Domicile New Braunfels, Texas
Last Revision of Enabling Act..... 1975
Last Revision of Bylaws 2012
Population of District..... 624,049
Area of District 7,300 square miles
Average Annual Rainfall of District..... 33.02 In.
Web-site www.gbra.org



Offices

GENERAL OFFICE	933 E. COURT STREET	SEGUIN, TEXAS
Buda Wastewater Treatment Plant	575 Garison Road	Buda, Texas
Calhoun Canal, Port Lavaca WTP, Calhoun County Rural Water	Hwy. 316, Magnolia Beach Road	Port Lavaca, Texas
Coletto Creek Park and Reservoir	365 Coletto Park Road	Fannin, Texas
Hydroelectric Divisions, Rural Utilities, Water Sales and Laboratory	933 E. Court Street	Seguin, Texas
Lake Wood Recreation Area	167 County Road 254	Gonzales, Texas
Lockhart Wastewater Reclamation System	4435 FM 20 North	Lockhart, Texas
Lockhart Water Treatment Plant	547 Old McMahan Road	Lockhart, Texas
Luling Water Treatment Plant	350 Memorial Drive	Luling, Texas
San Marcos Water Treatment Plant	91 Old Bastrop Road	San Marcos, Texas
Western Canyon Division	4775 South Cranesmill Rd.	Canyon Lake, Texas
Canyon Lake Office	2075 FM 2673, Suite D	Canyon Lake, Texas

Guadalupe-Blanco River Authority Operational Chart





List of Principal Customers

Guadalupe Valley Electric Cooperative
 New Braunfels Utilities
 Coletto Creek Park Customers
 Lake Wood Recreational Park Customers
 Nolte Island Park Customers
 Regional Laboratory Customers
 Calhoun County Rice Farmers

Boerne ISD Voss Middle School
 City of Buda
 City of Bulverde
 City of Lockhart
 City of Schertz
 Cordillera Ranch
 North Hays County MUD #1
 Sunfield Municipal Utility District #4
 Johnson Ranch Municipal Utility District
 Comal County WCID #6

POWER SALES & OTHER SERVICES

WATER SALES CUSTOMERS

Canyon Lake Water Supply Corp.
 Canyon Regional Water Authority
 City of Boerne
 City of Buda
 City of Fair Oaks Ranch
 City of Kyle
 City of Port Lavaca
 City of San Marcos
 City of Seguin
 Coletto Creek Power, LP
 Cordillera Ranch
 Crystal Clear Water Supply Corporation
 Guadalupe Power Partners
 Hays Energy Limited Partnership
 Ineos Nitriles Green Lake Plant
 New Braunfels Utilities
 San Antonio Water System
 Springs Hill Water Supply Corporation
 Sunfield Municipal Utility District #4



WASTEWATER TREATMENT CUSTOMERS

WATER TREATMENT CUSTOMERS

Calhoun County Rural Water Corporation
 City of Boerne
 City of Buda
 City of Fair Oaks Ranch
 City of Kyle
 City of Lockhart
 City of Luling
 City of Port Lavaca
 City of San Marcos
 Cordillera Ranch
 Goforth Special Utility District
 Kendall West Utilities
 Port O'Connor Improvement District
 San Antonio Water System
 Sunfield Municipal Utility District #4

Operating Statistics

Operating Statistics	Actual			Budget	
	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Water Treatment Customers:					
<i>Total Retail Water Distributed (Gal.)</i>					
Calhoun County Rural Water Division	81,715,000	79,187,000	83,300,000	77,639,000	89,240,000
Cordillera WDS	123,929,500	139,228,100	146,189,505	180,000,000	180,000,000
<i>Total Water Treated (Gal.)</i>					
Lockhart Water Treatment Plant	544,955,000	546,343,000	575,461,000	542,399,000	542,399,000
Luling Water Treatment Plant	654,244,000	668,198,000	676,748,000	660,827,000	651,661,000
Port Lavaca Water Treatment Plant	693,981,000	626,247,000	680,921,000	692,290,000	692,290,000
San Marcos Water Treatment Plant	3,627,098,000	3,261,793,000	4,173,404,000	4,189,490,000	3,998,126,000
Western Canyon Water Treatment Plant	3,641,065,000	3,737,741,000	3,664,963,000	3,613,500,000	
Wastewater Treatment Customers:					
<i>Total Wastewater Treated (Gal.)</i>					
Boerne ISD WWTP	--	--	--	--	365,000,000
Buda Wastewater Treatment Plant	435,200,000	412,900,000	394,200,000	496,000,000	444,000,000
Crestview Subdivision WWTP	2,041,000	2,150,000	2,562,794	2,300,000	2,300,000
Lockhart Wastewater Reclamation System	491,710,000	451,010,000	399,400,000	441,080,000	441,080,000
Rural Utilities Division	229,200,000	190,500,000	181,400,000	230,000,000	210,000,000
Shadow Creek WWTP	62,850,000	64,880,000	61,690,000	73,730,000	76,650,000
Sunfield Wastewater Treatment Plant	36,710,000	44,800,000	54,750,000	63,880,000	127,860,000
Water Sales Customers:					
<i>Rice Irrigation First Crop (Acres)</i>					
Calhoun Canal System	1,074	--	291	--	--
<i>Water Delivered (Gal.)</i>					
Guadalupe Power Partners RWDS	1,239,957,000	1,029,213,000	1,152,533,000	1,124,510,000	856,209,950
IH 35 TWDS	924,437,000	1,059,993,000	1,112,993,000	1,854,565,000	1,708,565,000
Regional RWDS	4,803,160,000	4,032,457,000	5,190,054,000	5,205,114,000	4,963,915,000
Lu-Lo TWDS	391,979,000	407,704,000	426,367,000	410,735,000	412,021,000
Power Sales:					
<i>Total Generation (kWh)</i>					
Guadalupe Valley Hydroelectric Division	68,045,400	63,024,500	28,993,400	62,225,000	27,824,000
Canyon Hydroelectric Division	22,657,028	17,949,565	180,453	14,318,834	8,861,272

Operating Statistics

Operating Statistics (cont.)	Actual			Budget	
	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Other Services:					
<i>Annual Permits</i>					
Coletto Creek Regional Park	285	265	252	286	225
Lake Wood Recreational Park	5	3	1	1	1
<i>Camping Permits</i>					
Coletto Creek Regional Park	14,514	13,850	14,962	10,752	10,080
Lake Wood Recreational Park	2,214	3,140	2,114	3,103	3,103
<i>Cabin Permits</i>					
Coletto Creek Regional Park	990	623	532	637	650
<i>Day Use Permits</i>					
Coletto Creek Regional Park	18,417	17,607	16,547	17,736	17,500
Lake Wood Recreational Park	2,697	2,064	1,605	2,064	2,089
<i>Source: GBRA Comprehensive Annual Financial Report</i>					

Budget Process Overview

Budget Preparation and Adoption

The budget is a tool used to assist GBRA in projecting customer needs, financial standing, and opportunities for the upcoming Fiscal Year. Every employee is involved in the budget – whether it is in preparation, implementation, administration, or evaluation. The Finance and Administration department is ultimately responsible for the preparation and production of the budget. In order to ensure the budget is complete by the beginning of the Fiscal Year as set in the “By-laws,” the budget preparations begin at least six months prior to the end of the Fiscal Year. The Fiscal Year for GBRA begins on September 1 and ends August 31. Budget preparations begin with management meetings discussing goals, objectives, projects, interdepartmental labor transfers, and deadlines. The next three months involve the routing of various schedules between the accounting department and managers for input, review, and changes. During mid-June, the divisions with cost of service contracts begin submitting their proposed budgets to the customers for review. Meetings are held and the budgets are modified as necessary. After all revisions are made, the GBRA Board is presented in July with a draft budget for review. The final budget is adopted at the August board meeting and becomes effective on September 1.

Budget Amendments

Management control of the budget is maintained by conducting quarterly budget feedback reviews throughout the Fiscal Year. During these reviews, managers focus on financial standings, completed projects, and upcoming projects or tasks. This allows for the opportunity to check for accuracy and evaluate the need for any budget revisions. As the need arises during the Fiscal Year, GBRA may amend the budget. The proposed amendment is reviewed by managers and submitted with background information to the Board for approval. Following actual Board approval, the information is transferred to the Finance and Administration department for input to the budget document. The change will be subsequently reflected in the budget to actual comparison reports that are printed monthly. Transfers between divisions will also require a budget amendment approved by the Board of Directors as do each non-budgeted expenditures which exceeds an amount to be established coincident with the budget approval each year. The General Manager is however authorized to expend non-budgeted funds if emergency conditions exist which jeopardize public health, property, or would cause unreasonable economic loss to GBRA. In such circumstances, a budget amendment for the expenditure of emergency funds shall be later ratified by the Board of Directors. (GBRA Board Policy, 409 - Budgets).

Budget Basis

Annual budgets are prepared on a full accrual basis and presented in whole dollars. Not only are expenditures recognized when a commitment is made, but revenues are also recognized when they are obligated to the Authority. The Comprehensive Annual Financial Report (CAFR) shows the status of GBRA’s finances on the basis of “generally accepted accounting principles” (GAAP). In most cases this conforms to the way the budget is prepared. Three exceptions are the treatment of depreciation and amortization expense (these are not shown in the budget, although the full purchase price of equipment and capital improvements is, while purchases of capital improvements are depreciated and amortized in the CAFR); deferred costs and expenses (these deferred costs and expenses are not shown in the budget, but are recognized in the CAFR); and compensated absences (accrued but unused vacation leave) are not recognized in the budget.

Budget Calendar

<i>Date</i>	<i>Task</i>
June 15	Mail <i>Sunfield WWTP</i> budget to Sunfield MUD
June 15	Mail <i>Port Lavaca</i> budget to the City of Port Lavaca
June 15	Mail <i>Coleta Creek Reservoir</i> budget to Coleta Power Group, LP
July 1	Mail <i>Shadow Creek WWTP</i> budget to North Hays County MUD
July 1	Mail <i>Buda WWTP</i> budget to City of Buda
July 1	Mail <i>Boerne ISD Voss Middle School WWTP</i> budget to Boerne ISD
July 1	Mail <i>Canyon Hydro</i> budget to New Braunfels Utilities
July 1	Mail <i>Lockhart WWTP & WTP</i> budgets to the City of Lockhart
July 15	Mail proposed budgets to GBRA Board members
July 15	Mail <i>G.V. Hydroelectric</i> budget to GVEC (not a contract requirement)
July 15	Mail <i>Northcliffe WWTP</i> budget to City of Schertz
July 15	Mail <i>Singing Hills WWTP</i> budget to City of Bulverde
July 15	Mail <i>Calhoun County RW</i> budget to Rural Water Board
July 15	Mail <i>Luling WTP</i> budget to the City of Luling
August 1	Mail <i>Cordillera</i> budgets to Cordillera Ranch, LTD
August 1	Mail <i>Johnson Ranch</i> budgets to DH Investment
August 1	Mail <i>Park Village WWTP and 4S Ranch WWTP</i> to Comal County WCID #6
July 17^t	Review proposed budgets with GBRA Board
August 21	Board scheduled to approve 2020 budgets

MEMORANDUM

Date: September 1, 2019
To: GBRA Employees
From: Kevin Patteson, General Manager/CEO
Subject: Holidays Fiscal Year 2020

Listed below are the holidays scheduled for Fiscal Year 2020.

Holidays

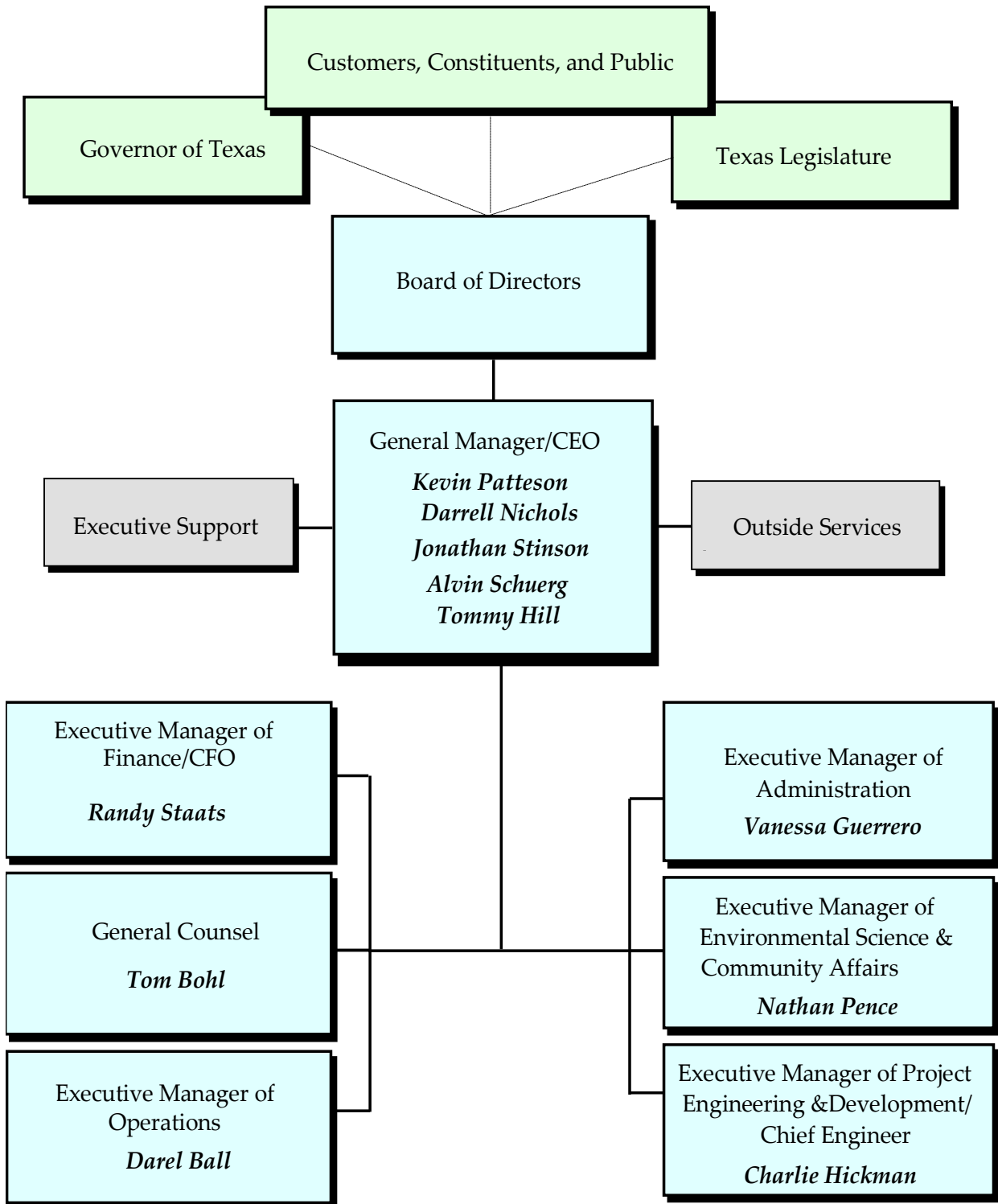
Labor Day	Monday	September 2, 2019
Thanksgiving	Thursday	November 28, 2019
Thanksgiving	Friday	November 29, 2019
Christmas	Tuesday	December 24, 2019
Christmas	Wednesday	December 25, 2019
Christmas	Thursday	December 26, 2019
New Year's	Tuesday	December 31, 2019
New Year's	Wednesday	January 1, 2020
Floating Holiday	Monday	January 20, 2020
Good Friday	Friday	April 10, 2020
Memorial Day	Monday	May 25, 2020
Independence Day	Friday	July 3, 2020
Safety Holiday	TBD	

Safety Holiday awarded if there are no lost time accidents in Fiscal Year.



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GBRA Organizational Chart



GBRA Board of Directors



Dennis L. Patillo
Chair
VICTORIA COUNTY
Reappointed: 2016, Gov. Greg Abbott



Don B. Meador
Vice Chair
HAYS COUNTY
Appointed: 2013, Gov. Rick Perry



Kenneth Motl
Secretary/Treasurer
CALHOUN COUNTY
Reappointed: 2018, Gov. Greg Abbott



Rusty Brockman
Immediate Past Chair
COMAL COUNTY
Reappointed: 2018, Gov. Greg Abbott



William R. Carbonara
Director
DEWITT COUNTY
Appointed: 2013, Gov. Rick Perry



Steve Ehrig
Director
GONZALES COUNTY
Appointed: 2018, Gov. Greg Abbott



Oscar H. Fogle
Director
CALDWELL COUNTY
Reappointed: 2018, Gov. Greg Abbott



Ronald J. "Ron" Hermes
Director
GUADALUPE COUNTY
Appointed: 2016, Gov. Greg Abbott



Tommy Mathews II
Director
KENDALL COUNTY
Reappointed: 2016, Gov. Greg Abbott

GBRA is governed by nine directors, appointed by the Governor of the State of Texas and confirmed by the Senate. The 10 counties in GBRA's statutory district are represented on a rotating basis. Each director serves a six-year term with three directors appointed or re-appointed every two years.

Organizational Leaders

GBRA is much more than a collection of buildings, divisions, plants and equipment. While these facilities are vital, our Directors and Employees – with their talents, specialized skills, hard-earned certificates and willingness to serve – are the difference-makers, performing their jobs with pride and dedication. The tables below identify GBRA’s current leaders and their length of service with GBRA.

Board of Directors

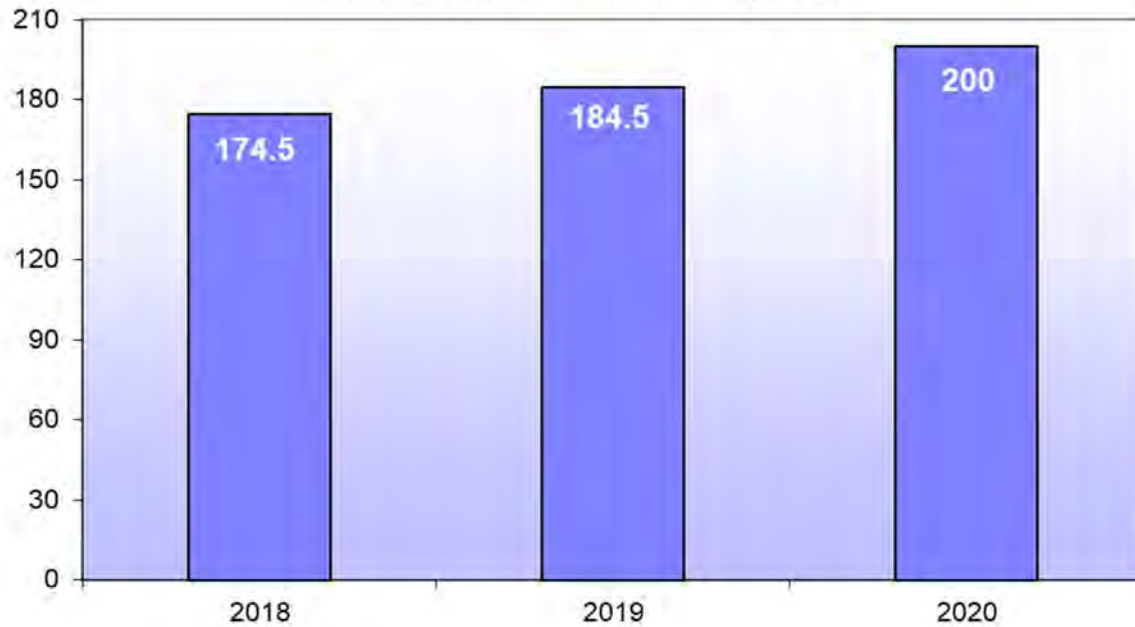
NAME	POSITION	TERM EXPIRES	COUNTY REPRESENTING
Dennis L. Patillo	Chair	2/1/21	Victoria
Don B. Meador	Vice Chair	2/1/19	Hays
Kenneth A. Motl	Sec/Treasurer	2/1/23	Calhoun
Rusty Brockman	Immediate Past Chair	2/1/23	Comal
Oscar H. Fogle	Director	2/1/23	Caldwell
William R. Carbonara	Director	2/1/19	Dewitt
Stephen B. “Steve” Ehrig	Director	2/1/19	Gonzales
Ronald J. “Ron” Hermes	Director	2/1/21	Guadalupe
Tommy Mathews II	Director	2/1/21	Kendall

Executive Team

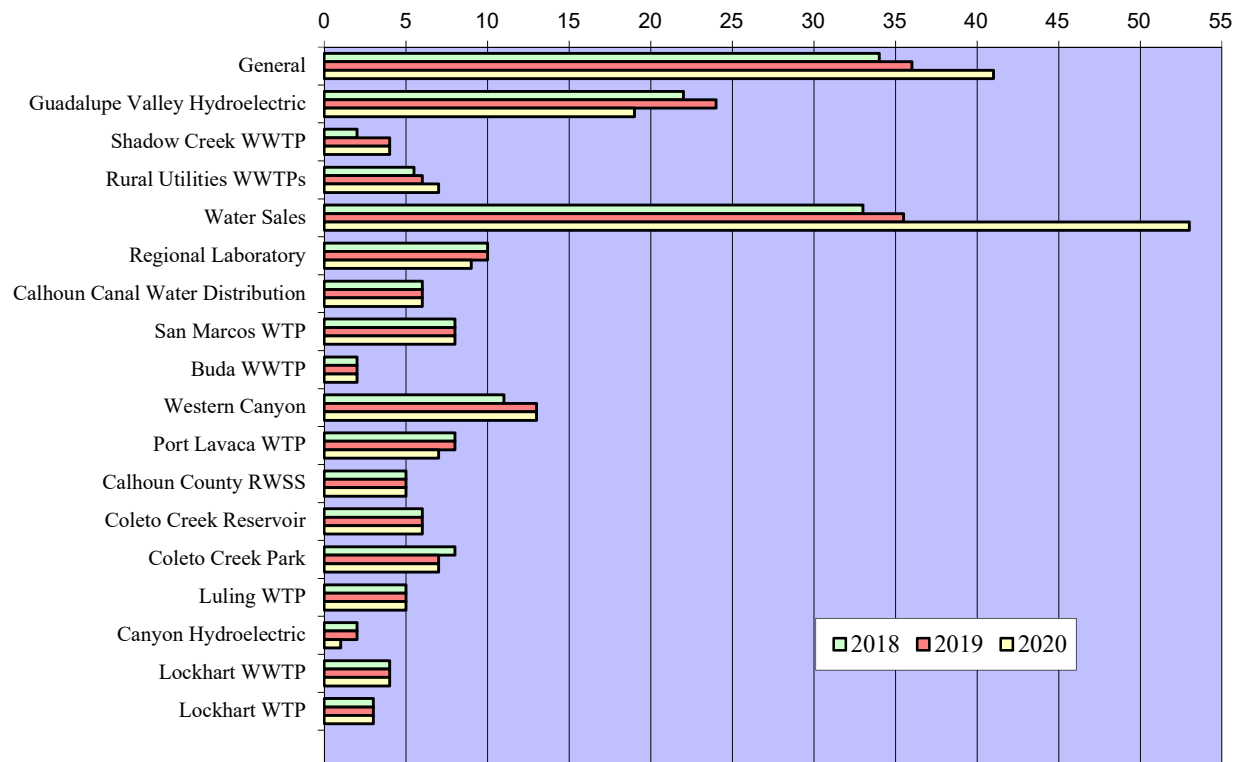
NAME	POSITION
Kevin Patteson	General Manager/CEO
Darrell Nichols	Senior Deputy General Manager
Jonathan Stinson	Deputy General Manager
Alvin Schuerg	Senior Advisor to the General Manager
Tommy Hill	Senior Advisor to the General Manager
Tom Bohl	General Counsel
Darel Ball	Executive Manager of Operations
Randy Staats	Executive Manager of Finance/CFO
Charlie Hickman	Executive Manager of Project Engineering & Development/Chief Engineer
Vanessa Guerrero	Executive Manager of Administration
Nathan Pence	Executive Manager of Environmental Science & Community Affairs

Staffing Summary

Total Authorized Positions by Year



Authorized Positions by Division



Staffing Summary

Division	# of Authorized Positions (FTE)			Increase/ (Decrease)
	2018	2019	2020	
General	34	36	41	5
Guadalupe Valley Hydroelectric	22	24	19	-5
Shadow Creek WWTP	2	4	4	0
Rural Utilities WWTPs	5.5	6	7	1
Water Sales	33	35.5	53	17.5
Regional Laboratory	10	10	9	-1
Calhoun Canal Water Distribution	6	6	6	0
San Marcos WTP	8	8	8	0
Buda WWTP	2	2	2	0
Western Canyon	11	13	13	0
Port Lavaca WTP	8	8	7	-1
Calhoun County RWSS	5	5	5	0
Coleto Creek Reservoir	6	6	6	0
Coleto Creek Park	8	7	7	0
Luling WTP	5	5	5	0
Canyon Hydroelectric	2	2	1	-1
Lockhart WWTP	4	4	4	0
Lockhart WTP	3	3	3	0
Total	174.5	184.5	200	15.5

Change from FY 2018 to FY 2019

1-Safety Officer position was added in General; 1-SCADA Tech position was added in General.
 1-Senior Deputy Division Manager was added in GV Hydroelectric; 1-Maintenance Supervisor was added in GV Hydroelectric; 1-Technical Consultant was removed in GV Hydroelectric; 1-Maintenance Crew position was added in GV Hydroelectric.
 2-Operator positions were added in Shadow Creek WWTP.
 ½-Biosolids Operator position was removed in Rural Utilities; 1-Operator position was added in Rural Utilities.
 1-Engineer position was added in Water Sales; ½-Gorge Office Assistant position was added in Water Sales; 1-Gorge Land Management position was added in Water Sales.
 1-Chief Operator position was added in Western Canyon; 1-Operator position was added in Western Canyon.
 1-Reservoir Ranger position was removed in Coleto Creek Recreation.

Changes from FY 2019 to FY 2020

1-Senior Advisor to the GM was added in General; 1-Help Desk Technician position was added in General;
 1-Director of Regulatory & Customer Affairs was added in General; 1-Finance Staff was added in General; 1-Director of Government Relations was added in General.
 1-Senior Deputy Division Manager was removed in GV Hydroelectric; 1-Maintenance Crew was removed.
 1-Belt Press Operator position was added in Rural Utilities Division.
 5-Maintenance Crew-Wastewater Collection, Pipeline, Resource Mgmt positions were added in Water Sales.
 1-Asset Management position was added in Water Sales; 3-Construction/Electric Inspectors were added in Water Sales; 1-Engineer was added in Water Sales; 1-Electrical/Instrumentation Technician Supervisor was added in Water Sales; 1-Environmental Services Assistant was added in Water Sales; 1-Gorge, Park Ranger position was added in Water Sales; 2.5-Gorge, P/T Camp Counselor positions were added in Water Sales; 1-Deputy Lab Director position was removed in Water Sales; 1-Manager of Project Engineering position was removed in Water Sales; 1-Executive Director of SA Bay Foundation was removed in Water Sales.; 1-Gorge Land Management position was removed in Water Sales.
 Electrician positions were moved into Water Sales from other divisions.

Authorized Spending Levels

Over \$25,000	
General Manager/CEO	General Counsel
Deputy General Managers	Executive Managers
Senior Advisor to the General Manager	

Up to \$25,000	
Assistant General Counsel	Director of Government Relations
Deputy Chief Financial Officers	Project Manager
Deputy Executive Managers of Operations	Senior Engineer

Up to \$15,000	
Accounting Manager	Laboratory Director
Communication Manager	Manager of Environmental Science
Division Managers	Plant Managers
Exec Dir of Guadalupe-Blanco River Trust	Purchasing Manager
Human Resources Manager	Reservoir Manager
IT Manager	Safety & Risk Manager

Up to \$5,000	
Chief Operators	Executive Assistants
Chief Rangers	Maintenance Supervisors
Chief Water Tenders	Project & Community Representative
Deputy Division Managers	Regional Representative
Electrical/Instrumentation Tech Supervisor	SCADA Administrator
Engineers	Web/Application Developer

(*) = Manager is empowered to temporarily delegate the approval of budgeted purchases up to \$1,000 and non-budgeted purchases up to \$500 in his absence. The temporary delegation will be documented in the form of a memo and provided to Accounting.

Staffing and Compensation Tables

POSITION	PAY GRADE	SYSTEM
EXECUTIVE AND ADMINISTRATIVE STAFF		
General Manager/CEO	Executive	010
Senior Deputy General Manager	Executive	010
Deputy General Manager	Executive	010
Senior Advisor to the General Manager	Executive	010
Senior Advisor to the General Manager	Executive	010
General Counsel	Executive	010
Executive Manager of Administration	Executive	010
Executive Manager of Finance/CFO	Executive	010
Assistant General Counsel	14	010
Assistant General Counsel	14	010
Deputy CFO-Accounting & Purchasing	13	010
Deputy CFO-Finance & Administration	13	010
Director of Government Relations	13	010
Accounting Manager	10	010
Communication Manager	10	010
Human Resources Manager	10	010
IT Manager	10	010
Purchasing Manager	10	010
Safety & Risk Manager	10	010
Executive Assistant to the General Counsel	8	010
Executive Assistant to the General Manager	8	010
GIS Administrator	8	010
Grant Writer/Administrator	8	010
SCADA Administrator	8	010
Web/Application Developer	8	010
Communications Specialist	7	010
Environmental Education Administrator	7	010
SCADA Technician	7	010
Environmental Education Specialist	6	010
Records Manager	6	010
Senior Accountant	6	010
Accountant	5	010
Accountant	5	010
Human Resources Specialist	5	010
Accounting Assistant I	4	010
Customer Service Assistant II	4	010
Records Assistant	4	010
Customer Service Assistant I	3	010
Help Desk Tech	*	010
Director of Regulatory & Customer Affairs	*	010
Finance Staff	*	010

POSITION	PAY GRADE	SYSTEM
PROJECT ENGINEERING & DEVELOPMENT		
Executive Manager of Project Engineering & Development/Chief Engineer	Executive	041
Senior Engineer	13	041
Project Manager	12	041
Electrical/Instrumentation Control Analyst	9	041
Engineer I	9	041
Engineer I	9	041
Engineer I	9	041
Hydrologist/Technician (P/T)	7	041
Project Coordinator	7	041
Engineering Assistant	6	041
Construction Inspector	5	041
Construction Inspector	5	041
Construction Inspector	5	041
Construction Inspector	5	041
Construction Inspector	5	041
RESOURCE POLICY & STEWARDSHIP		
Executive Manager of Environmental Science & Community	Executive	041
Executive Director of Guadalupe-Blanco River Trust	11	041
Manager of Environmental Science	10	041
Project & Community Representative	9	041
Regional Representative	8	041
Aquatic Biologist	8	041
Administrative Assistant II	5	041
Natural Resource Specialist	5	041
Environmental Services Administrative Assistant	4	041
Water Quality Technician I	4	041
Gorge, Park Ranger	3	041
Gorge, Administrative Assistant	1	041
Gorge, Camp Counselor (P/T)	*	041
Gorge, Camp Counselor (P/T)	*	041
Gorge, Camp Counselor (P/T)	*	041
Gorge, Camp Counselor (P/T)	*	041
Gorge, Camp Counselor (P/T)	*	041
OPERATIONS & WATER QUALITY		
Executive Manager of Operations	Executive	041
Deputy Executive Manager of Operations	13	041
Deputy Executive Manager of Operations	13	041
Division Manager – Calhoun/Refugio Operations	11	041
Division Manager – Hays/Caldwell Operations	11	041
Division Manager – Hydroelectric & Rural Utilities	11	041
Division Manager – Western Canyon Operations	11	041

POSITION	PAY GRADE	SYSTEM
OPERATIONS & WATER QUALITY (Continued)		
Deputy Division Manager	9	021
Maintenance Supervisor II	8	021
Maintenance Supervisor	8	021
Purchasing & Inventory Coordinator	7	021
Control Room Operator	5	021
Control Room Operator	5	021
Control Room Operator	5	021
Control Room Operator	5	021
Heavy Equipment Operator	5	021
Maintenance Crew II	4	021
Maintenance Crew II	4	021
Maintenance Crew II	4	021
Maintenance Crew II	4	021
Maintenance Crew II	4	021
Maintenance Crew II	4	021
Plant Attendant	4	021
Maintenance Crew	3	021
Maintenance Crew	3	021
Maintenance Crew	3	021
Chief Operator	8	030
Operator II	3	030
Operator II	3	030
Operator I	2	030
Chief Operator	8	033
Operator IV	5	033
Operator III	4	033
Operator II	3	033
Operator II	3	033
Operator I	2	033
Belt Press Operator	*	033
Electrical/Instrumentation Technician Supervisor	8	041
Electrical/Instrumentation Technician	7	041
Electrical/Instrumentation Technician	7	041
Electrical/Instrumentation Technician	7	041
Electrical/Instrumentation Technician	7	041
Electrical/Instrumentation Technician	7	041
Assistant Chief Ranger	7	041
Facilities Technician	6	041



POSITION	PAY GRADE	SYSTEM
OPERATIONS & WATER QUALITY (Continued)		
Maintenance Crew: WW Collections	4	041
Maintenance Crew: WW Collections	4	041
Maintenance Crew: Pipelines/ROW	4	041
Maintenance Crew: Pipelines/ROW	4	041
Resource Management	4	041
Maintenance Technician	4	041
Utility Accounts Assistant	4	041
Park Ranger	3	041
Asset Management	*	041
Laboratory Director	10	041
Quality Assurance Officer I	7	041
Customer Project Manager I	7	041
Laboratory Technician III	5	041
Laboratory Technician III	5	041
Laboratory Technician II	4	041
Laboratory Technician II	4	041
Laboratory Technician II	4	041
Sample Custodian/Lab Tech I	3	041
Chief Water Tender	8	043
Heavy Equipment Operator	5	043
Maintenance Chief	4	043
Water Tender	4	043
Water Tender	4	043
Water Tender	4	043
Plant Manager	10	044
Chief Operator	8	044
Operator II	3	044
Operator II	3	044
Operator II	3	044
Operator II	3	044
Operator II	3	044
Operator II	3	044
Operator IV	5	045
Operator II	3	045
Chief Operator	8	050
Chief Operator	8	050
Chief Operator	8	050
Electrical/Instrumentation Technician	7	050
Distribution/Plant Operator IV	5	050



POSITION	PAY GRADE	SYSTEM
OPERATIONS & WATER QUALITY (Continued)		
Operator IV	5	050
Distribution/Plant Operator II	3	050
Operator II	3	050
Operator II	3	050
Operator II	3	050
Operator II	3	050
Operator II	3	050
Operator II	3	050
Chief Operator	8	060
Secretary	6	060
Maintenance Chief	4	060
Operator II	3	060
Operator II	3	060
Operator II	3	060
Operator I	2	060
Chief Operator	8	070
Customer Service Assistant II	4	070
Maintenance Operator III	4	070
Maintenance Operator II	3	070
Maintenance Operator II	3	070
Reservoir Manager	10	091
Electrical/Instrumentation Technician	7	091
Office Manager	6	091
Maintenance Crew	3	091
Maintenance Crew	3	091
Maintenance Crew	3	091
Chief Ranger	9	092
Reservoir Ranger I	4	092
Reservoir Ranger I	4	092
Reservoir Ranger I	4	092
Reservoir Ranger I	4	092
Reservoir Ranger II	3	092
Administrative Assistant	3	092
Chief Operator	8	100
Operator IV	5	100
Operator II	3	100
Operator II	3	100
Operator I	2	100

POSITION	PAY GRADE	SYSTEM
OPERATIONS & WATER QUALITY (Continued)		
Maintenance Crew II	4	120
Chief Operator	8	130
Operator III	4	130
Operator II	3	130
Operator I	2	130
Operator II	3	131
Operator II	3	131
Operator II	3	131

* - New or revised position: job description is being reviewed for determination of appropriate pay grade.

Wage Compensation Structure

Pay Grade	Minimum Hourly/Annual	Maximum Hourly/Annual
1	\$14.65	\$23.43
2	\$15.96	\$25.55
3	\$17.41	\$27.86
4	\$18.97	\$30.36
5	\$20.68	\$33.07
6	\$22.54	\$36.08
7	\$24.57	\$39.32
8	\$55,703	\$89,124
9	\$60,718	\$97,145
10	\$66,181	\$105,890
11	\$72,136	\$115,417
12	\$79,350	\$126,960
13	\$87,287	\$139,656
14	\$96,016	\$153,623
15	\$105,616	\$169,984
Executive	Set by Board or General Manager	



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Financial Summary

Background

The Guadalupe-Blanco River Authority (GBRA) is a political subdivision of the State of Texas, created by the Texas Legislature in 1933 by Article 8280-106 Vernon's Texas Civil Statutes. GBRA is a separate self-supporting governmental unit serving a ten county area and is administered by a nine-member board of directors who are appointed by the Governor of the State of Texas. The State of Texas does not have any financial accountability for GBRA; therefore, GBRA is not a part of the State's reporting entity. GBRA cannot levy or collect taxes, or in any way pledge the general credit of the State of Texas; therefore, no legal debt limit exists for GBRA. Since GBRA does not have the power of taxation, there is no appropriated budget or encumbrance accounting system.

GBRA's accounting system does not include any governmental fund types, but rather consists solely of ten enterprise funds (the General Division and nine operating divisions). Enterprise funds are used to account for operations that are financed and operated in a manner similar to a private business. Since GBRA's operations are managed to be self-supporting through customer charges, the utilization of enterprise funds is appropriate. This type of fund also provides information related to revenues earned, costs incurred, and services provided, all of which form the basis for customer rates and fees. Also included within the enterprise funds for each of GBRA's operating divisions is an Administrative and General (A&G) charge. This A&G represents the recognition and recovery of administrative costs incurred by the General Division on behalf of GBRA's operating divisions. All of these enterprise funds are described in more detail in the following sections of this consolidated Work Plan and Budget.

Types of Operating Systems

Several GBRA operating divisions are segregated into systems to facilitate cost accounting, internal control, and rate setting. Each system has one of two types of budgets, either "Budget-to-Actual" or "Units of Service". Budget-to-Actual systems provide services based on a budget approved by the customer and GBRA. During the course of the year, the customer is billed based on the annual budget with those billings adjusted to the total actual cost of service at each fiscal year end. Unit-of Service budgets in other GBRA operations include an annual rate adoption by the GBRA Board where the customer pays for some type of service based on a unit of measure at the applicable rate. The revenue derived from these customers pays the operating and maintenance, debt service, and capital costs of the system. In these systems, revenue is completely dependent upon the number of units sold and no customer year-end adjustment is available. The following table distinguishes the systems according to the type of operations in which they operate:

Budget-to-Actual Operations:	Principal Customers	County
Northcliffe Wastewater Treatment Plant	City of Schertz	Guadalupe
Sunfield Wastewater Treatment Plant	Sunfield MUD #4	Hays
4S Ranch Wastewater Treatment Plant	Comal County WCID #6	Comal
Park Village Wastewater Treatment Plant	Comal County WCID #6	Comal
Singing Hills Wastewater Treatment Plant	City of Bulverde	Comal
Buda Wastewater Treatment Plant	City of Buda	Hays
Boerne ISD Voss Middle School Wastewater Treatment	Boerne ISD	Kendall
Port Lavaca Water Treatment Plant	City of Port Lavaca	Calhoun
Coletto Creek Reservoir	Coletto Creek Power, LP	Victoria/Goliad
Luling Water Treatment Plant	Cities of Luling & Lockhart	Caldwell
Canyon Hydroelectric Plant	New Braunfels Utilities	Comal
Lockhart Wastewater Reclamation System	City of Lockhart	Caldwell
Lockhart Water Treatment Plant	City of Lockhart	Caldwell

Unit of Service Operations:	Principal Customers	County
General Division	GBRA Systems	Guadalupe
Guadalupe Valley Hydroelectric Division	Guadalupe Valley Electric Coop.	Guadalupe/Gonzales
Shadow Creek Wastewater Treatment Plant	Residential Customers	Hays
Canyon Park Wastewater Reclamation System	Residential Customers	Comal
Dunlap Wastewater Reclamation System	Residential Customers	Guadalupe
Water Sales System	Communities, industries, farmers	Entire River Basin
Laboratory System	Residential, Industrial, City Customers	Entire River Basin
Calhoun Canal System	Port Lavaca Plant, farmers, industries	Calhoun
San Marcos Water Treatment Plant	City of San Marcos	Hays
Western Canyon Division	Boerne, Bulverde, Fair Oaks, Cordillera	Comal/Kendall
Cordillera Water Treatment Plant	Residential and Commercial Customers	Kendall
Cordillera Wastewater Treatment Plant	Residential and Commercial Customers	Kendall
Comal Trace Water Distribution System	Residential Customers	Comal
Johnson Ranch Water Distribution System	Residential Customers, Public School	Comal
Johnson Ranch Wastewater Treatment Plant	Residential Customers, Public School	Comal
Calhoun County Rural Water System	Residential and Commercial Customers	Calhoun
Coletto Creek Recreation	Recreational Customers	Victoria/Goliad

The operating divisions of GBRA provide a multitude of services to individuals, cities, rural water corporations, water authorities, investor-owned utilities, electric cooperatives, and industries. These services include hydroelectric generation, water treatment, wastewater collection and treatment, laboratory analysis, recreation opportunities, treated water delivery and raw water delivery. It is through the provision of these services that GBRA earns the necessary revenue to continue our operations and thus serve our constituents.

The table and graph on the following page give an overview of GBRA's financial outlook for budget year 2020.

Financial Summary

Division	Guadalupe-Blanco River Authority				
	OPERATING		DEBT SERVICE		Change in Fund Balance
	Revenue	Expenses	Revenue	Expenses	
General	4,278,722	4,671,926	500,000	0	106,796
G. V. Hydro	2,399,074	3,396,527	0	0	(997,453)
RUD-Shadow Creek	766,008	701,132	0	0	64,876
RUD-Canyon Pk	483,216	476,666	0	0	6,550
RUD-Dunlap	2,610,200	1,910,035	(500,000)	191,035	9,130
RUD-Northcliffe	115,592	115,592	0	0	0
RUD-Sunfield	720,728	720,728	0	0	0
RUD	4,695,744	3,924,153	(500,000)	191,035	80,556
WR-Water Sales	19,878,740	19,067,485	8,709,340	9,520,595	0
WR-Canal	1,344,627	1,344,231	0	0	396
WR-San Marcos	2,182,424	2,182,424	0	0	0
WR-Buda	1,035,428	1,035,428	0	0	0
WR-Carrizo	1,080,000	870,100	359,261	359,261	209,900
Water Resources	25,521,219	24,499,668	9,068,601	9,879,856	210,296
WC-WTP	3,753,407	3,718,072	263,537	237,871	61,001
WC-4S Ranch WW	242,730	242,730	0	0	0
WC-Cordillera WDS	821,600	782,205	0	0	39,395
WC-Cordillera WWTP	425,390	425,314	0	0	76
WC-Comal Trace	276,970	236,343	0	0	40,627
WC-Johnson Ranch WDS	790,180	452,958	0	0	337,222
WC-Johnson Ranch WWTP	350,964	350,964	0	0	0
WC-Singing Hills WWRS	304,483	304,483	0	0	0
WC-Park Village WWRS	246,008	246,008	0	0	0
WC-Boerne ISD WWTP	87,942	87,942	0	0	0
Western Canyon	7,299,674	6,847,019	263,537	237,871	478,321
Port Lavaca WTP	1,662,310	1,662,310	61,288	61,288	0
Rural Water	1,651,826	1,553,749	0	0	98,077
CC-Reservoir	959,705	959,705	0	0	0
CC-Recreation	835,065	805,448	0	0	29,617
Coletto Creek	1,794,770	1,765,153	0	0	29,617
Luling	1,396,810	1,389,810	663,180	622,463	47,717
Canyon Hydro	515,171	515,171	0	0	0
Lockhart-WWTP	1,238,416	1,238,416	0	0	0
Lockhart-WTP	807,648	807,648	0	0	0
Lockhart	2,046,064	2,046,064	0	0	0
	53,261,384	52,271,550	10,056,606	10,992,513	53,927

Note: Sources of funds consist of proceeds from internal and external debt issuance. Uses of funds consist of interfund loan repayments and principal payments on external debt.

Guadalupe-Blanco River Authority
Designated/ Capital Improvement Program - FY 2020

Project #	Division	Funding Source	Project Description	Previous Funding	Current/ Future Funding	TOTALS
1	010 - General	Budget	Asset Management Program	\$450,000	\$325,000	\$775,000
2	029 - GV Hydro	Reserves	Spillgate Rehabilitation & Replacement	\$8,768,000	\$0	\$8,768,000
3	032 - Canyon Park	Reserves	Canyon Park Expansion	\$1,601,000	(\$150,000)	\$1,451,000
4	034 - Northcliffe	Reserves	Northcliffe WW Plant Decommissioning	\$0	\$150,000	\$150,000
5	041 - Water Sales	Reserves	RRWDS Water Intake Modifications	\$0	\$4,000,000	\$4,000,000
6	041 - Water Sales	Budget	Diversion System Improvements (including	\$600,000	\$0	\$600,000
7	041 - Water Sales	Budget	Ground/Surface Water Interactions	\$100,000	\$0	\$100,000
8	041 - Water Sales	Budget	Gorge, North Rim Trail	\$45,000	\$0	\$45,000
9	041 - Water Sales	Budget	Gorge, Building	\$50,000	\$0	\$50,000
10	041 - Water Sales	Budget	Surface Water Rights	\$301,000	\$0	\$301,000
11	041 - Water Sales	Budget	Corps of Engineers - Dam Costs/Projects	\$742,740	\$0	\$742,740
12	041 - Water Sales	Budget	S. Marcos WTP Backwash Filter Blower	\$51,428	\$17,142	\$68,570
13	043 - Calhoun Canal	Budget	Canal System Improvements	\$100,000	\$0	\$100,000
14	050 - Western Canyon	3rd Party	SH 46 Pipeline Relocation - Engineering	\$0	\$530,036	\$530,036
15	050 - Western Canyon	Budget	FM 3351 Pump Station Upgrades	\$55,000	\$0	\$55,000
16	053 - Cordillera WWTP	Budget	SCADA system upgrade	\$37,000	\$0	\$37,000
17	070 - Rural Water	Reserves	Crestview Wastewater Treatment Plant	\$0	\$600,000	\$600,000
18	100 - Luling WTP	Budget	Emergency Generator	\$161,479	\$215,306	\$376,785
TOTALS				\$13,062,647	\$5,687,484	\$18,750,131

Description of Projects (Line # coincides with project line #)

- 1 Implementation of Asset Management Program to develop and operate infrastructure assets in the most cost effective manner.
- 2 Rehabilitation of spillgates in the hydroelectric system. Funding of design for portion of gate replacements.
- 3 Engineering study of plant usage will determine if additional funds are needed for expansion in future years.
- 4 Decommissioning of Northcliffe wastewater plant.
- 5 Improvements to the canal and additional pump station supporting the water intake.
- 6 Evaluation, planning and design for system improvements in the diversion system.
- 7 Study for data collection of interaction between groundwater and surface water.
- 8 Improvement of the Gorge's North Rim Trail to provide better educational opportunities.
- 9 Construction of metal building at the Gorge.
- 10 Purchase of water rights.
- 11 Contractual obligation for COE O&M costs, building up for large COE projects based on estimates received.
- 12 Purchase of blower at the San Marcos WTP for backwash filters.
- 13 Evaluation, planning and design for system improvements in the Canal system.
- 14 Relocation of water lines due to road expansions, reimbursement by Texas Dept. of Transportation (TxDOT).
- 15 Pumping and electrical upgrades to keep up with demands.
- 16 Designated funds carry over from previous budgets for SCADA system ignition improvements.
- 17 Replacement of wastewater treatment package plant.
- 18 Replacement of emergency generator.

Guadalupe-Blanco River Authority
Bond Funded Projects - FY 2020

Project #	Division	Project Description	Previous Funding	Current/ Future Funding	TOTALS
A	033 - Dunlap	Dunlap WW System	\$0	\$32,990,000	\$32,990,000
B	039 - Dietz	Dietz WW System	\$0	\$6,300,000	\$6,300,000
C	041 - Water Sales	Lower Basin Storage Project	\$452,500	\$35,176,000	\$35,628,500
D	041 - Water Sales	Carrizo Groundwater Supply Project	\$58,210,000	\$107,645,000	\$165,855,000
E	041 - Water Sales	Mid Basin Project (ASR & OCR)	\$0	\$500,000	\$500,000
F	041 - Water Sales/010 - General	New Braunfels office expansion	\$0	\$6,850,000	\$6,850,000
G	060 - Port Lavaca Water Treatment	Port Lavaca WTP Replacement	\$0	\$59,764,500	\$59,764,500
H	070 - Calhoun County Rural Water	Distribution System Improvements	\$225,000	\$3,642,100	\$3,867,100
TOTALS			\$58,887,500	\$252,867,600	\$311,755,100

Description of Projects (Line # coincides with project line #)

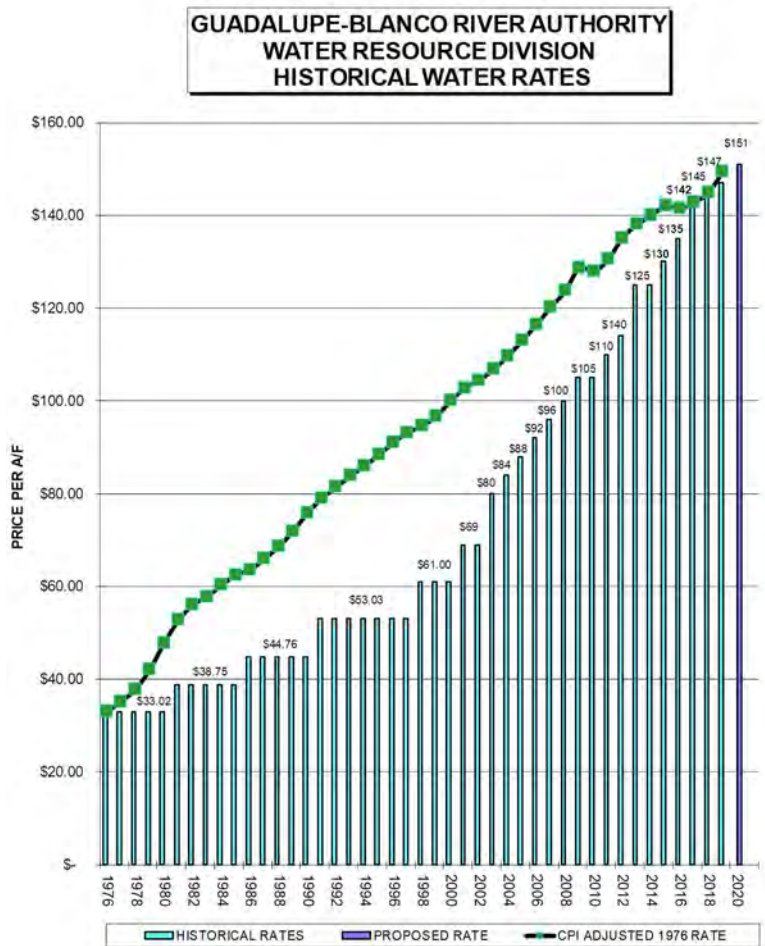
- A Expansion of collection system and eventually expansion of plant.
- B Engineering and construction of collection system off Hwy 46 between Seguin and New Braunfels.
- C Engineering and construction of lower basin reservoir for firm water storage.
- D Design, engineering and construction of a groundwater distribution project.
- E Aquifer Storage & Recovery and Off Channel Reservoir water supply development.
- F Expansion of offices to keep up with growth.
- G Design, engineering and construction of new water treatment plant to replace existing plant.
- H Design, engineering and construction of system improvements.

Financial Summary

The GBRA Enabling Act clearly provides that it is the responsibility of GBRA to develop, conserve and protect the waters of the Guadalupe River Basin. Also implicit within that Act is the ability for GBRA to supply water on a short-term, temporary basis to the region adjacent to GBRA's district. GBRA has worked closely throughout its history with municipalities and other entities in the river basin to fulfill that mandate. Yet it remains an ever-growing as well as challenging mandate as the population of Texas continues to grow and periodic droughts place limitation on existing water supplies. Estimates by the Texas Water Development Board indicate that the state's population will double during the next fifty (50) years causing a 15% increase in water usage and annual water consumption in Texas is projected to increase by 2,000,000 acre-feet per year (AF/YR) between the years 2010 and 2060. Total water demand within the GBRA District is expected to rise approximately 150,000 AF/YR due to an expected increase in population from 470,000 residents to 1,100,000.

The increasing demand for stored water in GBRA's district requires GBRA to expend a great deal of time in the evaluation of additional sources of water supply. In March 2003, GBRA received the final authorization from the State of Texas to increase the firm yield of Canyon Reservoir 50,000 A/F to 90,000 A/F. The present level of commitments from the reservoir approximates 90,000 acre-feet per year and as such, the yield of the reservoir is fully committed.

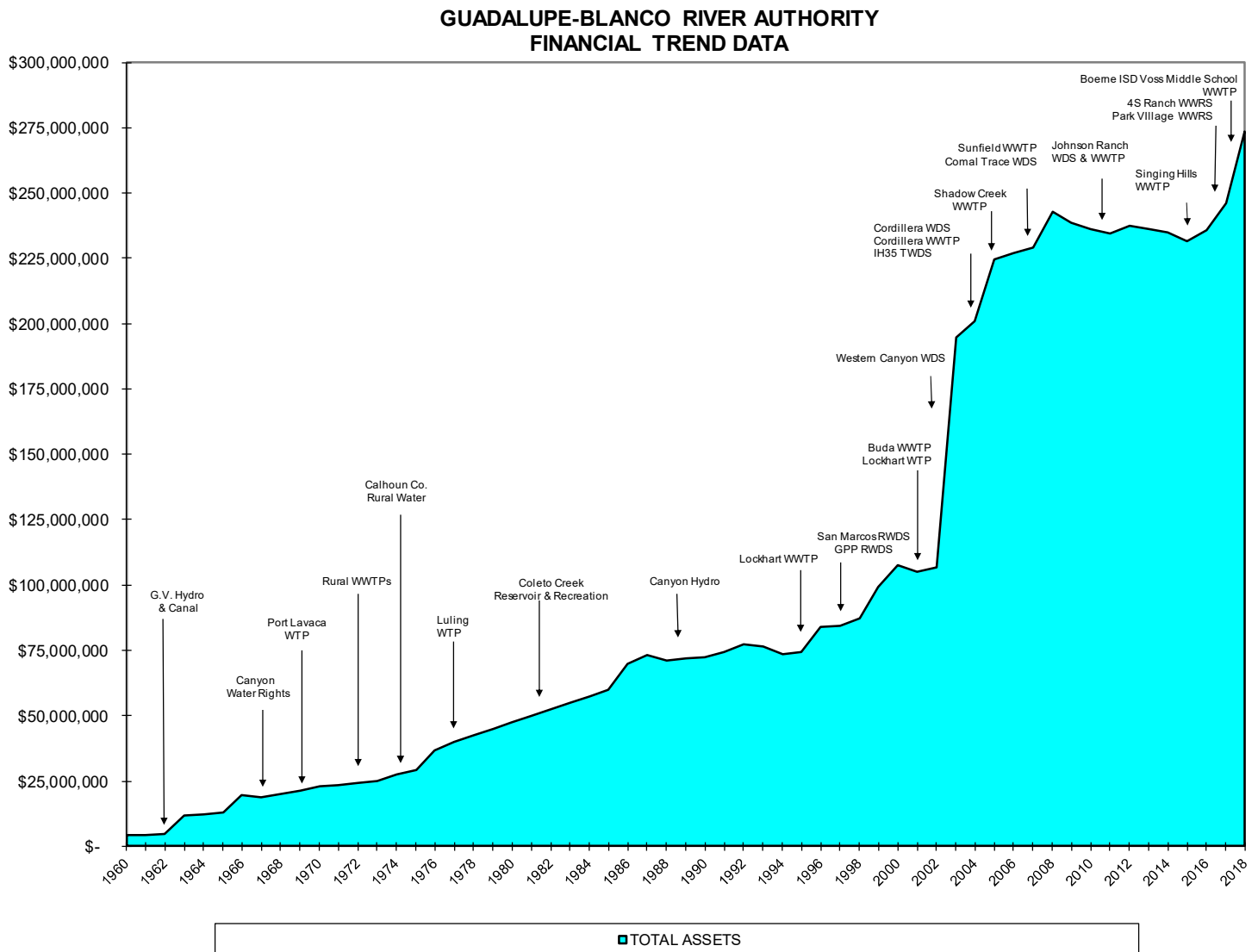
GBRA operations and water supply for the communities in the basin are generally contingent on the flow of the river and stored water out of the reservoir. The Board of Directors adopts a rate structure for water from reservoir storage annually to provide an equitable charge to all firm water customers. The accompanying graph displays the water supply rate trend. It is clear in this graph that the water supply rate has trended higher in order to provide the financial resources to meet the expanding water resource, water quality, and environmental needs of a growing population in the Guadalupe River Basin. The water supply rate is budgeted to increase by \$4.00 or 2.7% to \$151 per acre-foot per year (AF).



Financial Trend

The following graph represents GBRA's asset and operational growth since the "kick-off" of the water operations in the early 1960's following the purchase of Guadalupe Valley Hydroelectric System and the Calhoun Canal System. The latest operation being added is the Boerne ISD Voss Middle School Middle School WWTP.

The growth of GBRA operations over the last ten years is depicted on the following graph:

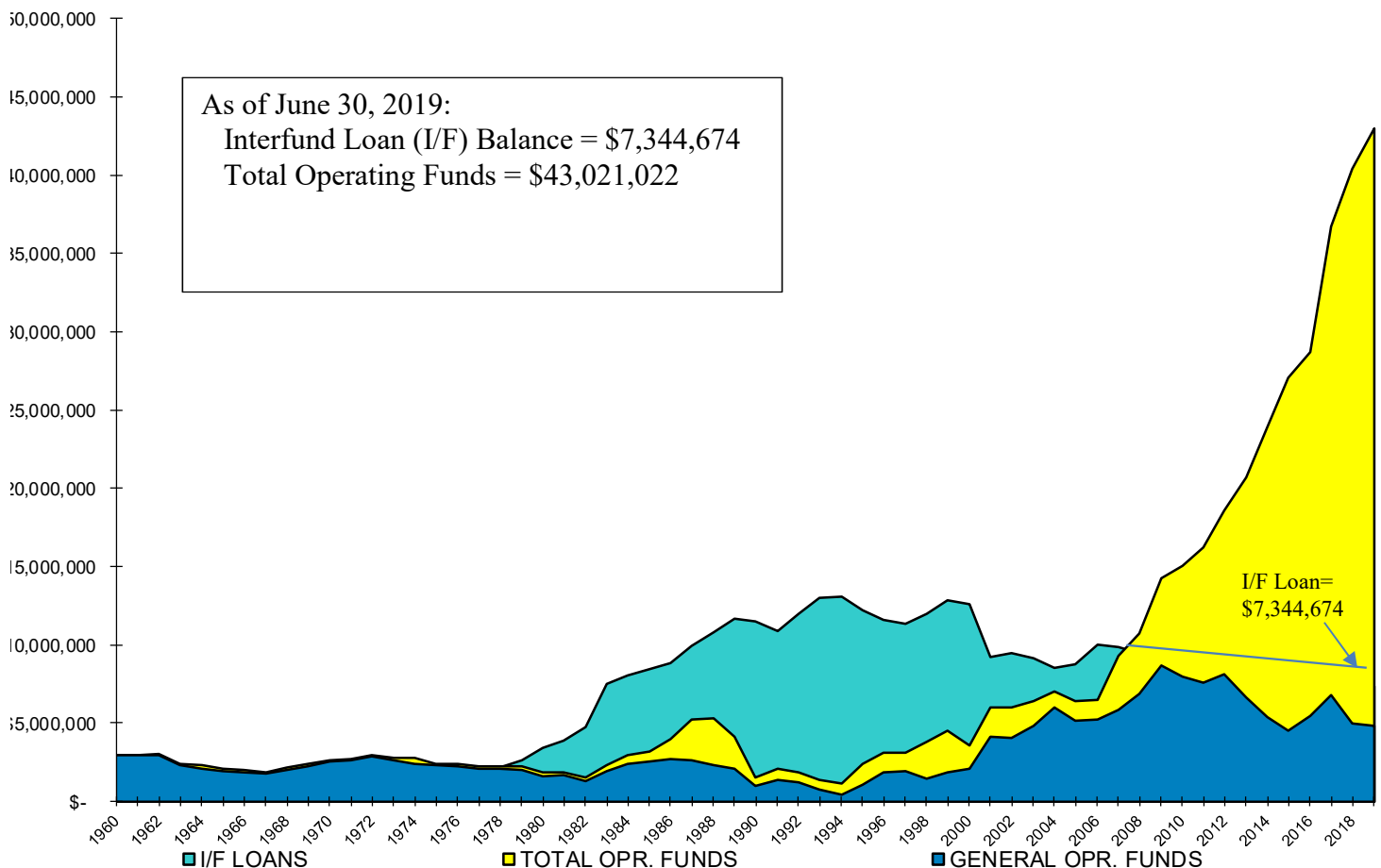


Financial Reserve Data

Sound financial planning includes maintaining an appropriate level of cash reserves to ensure smooth operation in the event of an unexpected change in cash flows. In addition in developing rates for GBRA's rate based divisions, maintaining designated cash to utilize for pay-as-you-go projects that span multiple years or rate stabilization is a common practice. GBRA maintains at least the minimum cash reserves under Board Policy with the majority of the reserves within the General and Water Resource Divisions. Recently, other divisions have been able to develop reserve balances as their operations have matured.

Currently, GBRA's working capital reserve Board Policy is to maintain five months of budgeted revenue. General Division reserves available above the Board Policy minimum are periodically used to provide interfund loans to operating divisions that need funding for a new project, to provide funds to pay for some unexpected, significant expenditure, or pay operating costs when events such as droughts cause a significant loss of revenue. These loans are paid back to the General Division when cash flow allows for the operating division receiving the loan.

The FY 2020 Budget sustains the Board's working capital reserve policy.

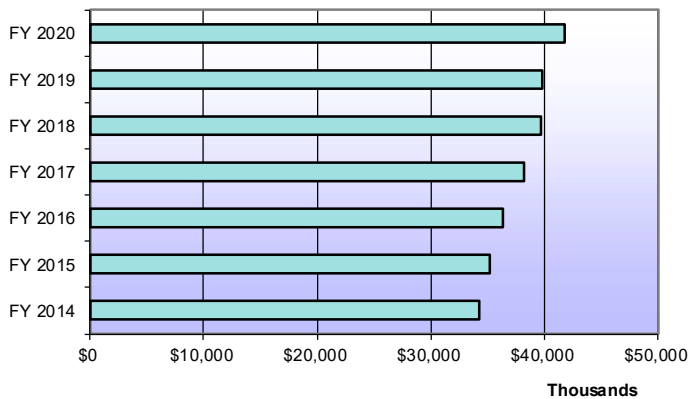
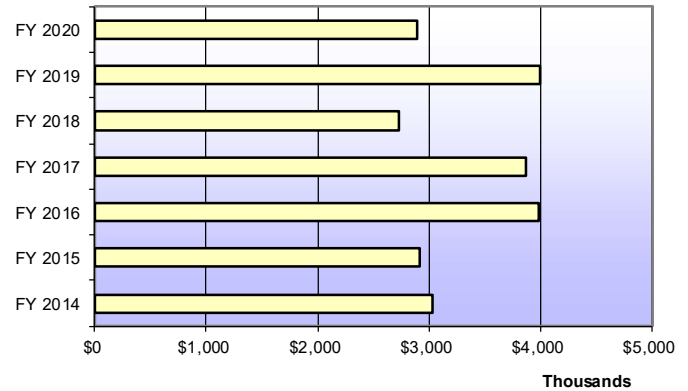




Historical Operating Revenues

Power Sales

A portion of Power Sales revenue is contingent on river flows. These revenues have remained relatively stable despite some drought years due to a facility charge in G.V. Hydroelectric Division of \$125K/month and certain contractual provisions within the Canyon Hydroelectric Division. The reduction in operating dams is projected to decrease power sales in FY 2020.

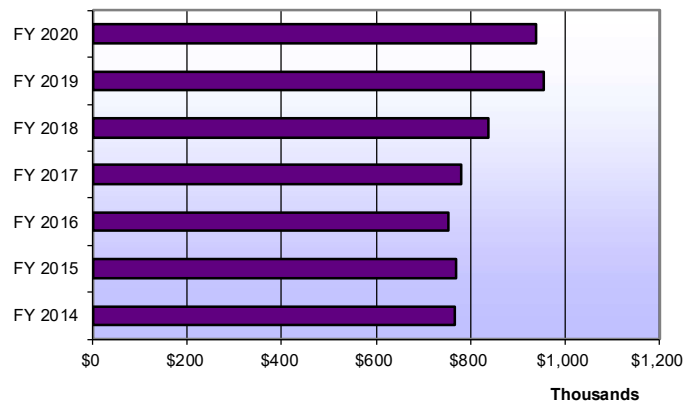


Water Sales and Reservoir

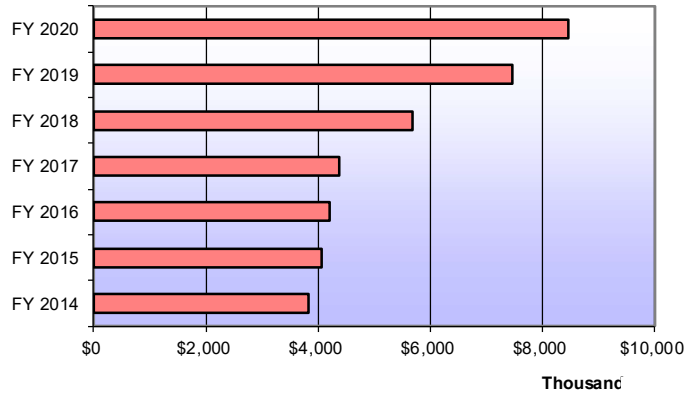
Water Sales and Lake Operations revenues are derived from the sale of raw and treated water to customers throughout the river basin. These have generally increased over the years due to the demand for more water; the initiation of water projects such as the Western Canyon, Luling-to-Lockhart, IH35 projects, and the associated project debt service; and rate increases of approximately 3-5% annually.

Recreation and Land Use

Coletto Creek Park, Lakewood Recreational Area and Nolte Island Park provide park facilities and water recreation for customers. Park fees have increase slightly due to proposed rate increases in FY 2019.



Historical Operating Revenues

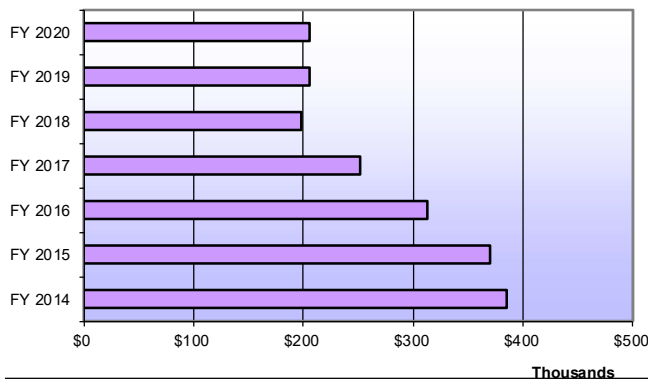
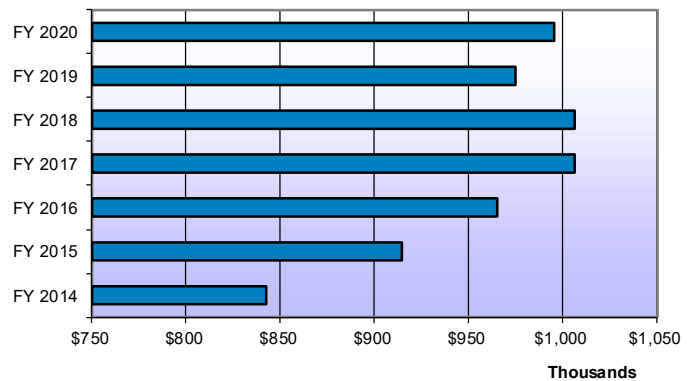


Wastewater Services

The treatment of wastewater has steadily increased over with build-out of existing service areas and the addition of new connections. Wastewater treatment has increased from 1,125,200/M gal. in 2014 to a projected 1,298,890/M gal. in 2020.

Laboratory Services

Laboratory revenue is derived from sampling, testing, and analyzing water and wastewater from a diverse group of customers. New technology and equipment allow GBRA to provide additional tests for lab customers.

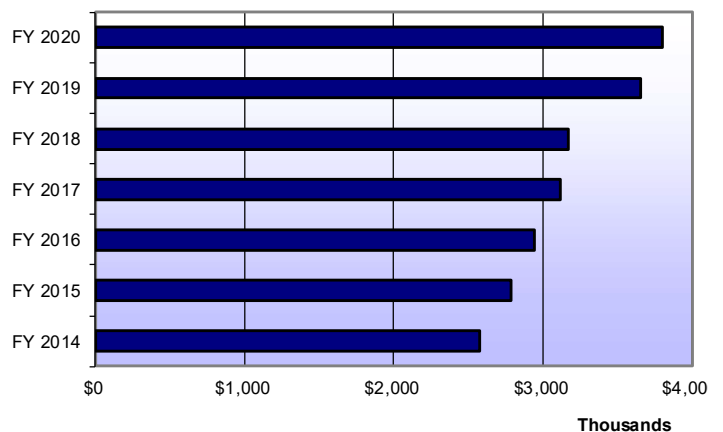


Rentals

Income from the rental of building facilities and leasing of land increased in FY 2014 primarily due to the roof replacement on the Coletto Creek headquarter building. The Coletto Creek Power Company reimbursed GBRA for these costs and such reimbursement is shown as rental income.

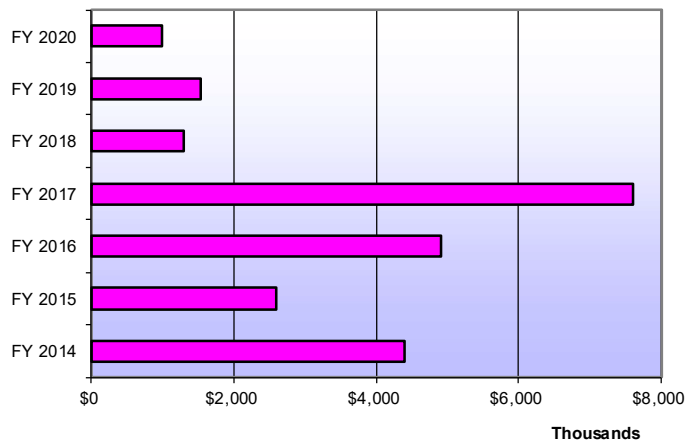
Administrative and General

Administrative & General (A&G) charges are received in the General Division from other divisions of GBRA for technical and administrative support. The A&G revenue is calculated as a percentage of labor expense. The A&G rate continues to remain at 33% in 2020.





Historical Operating Revenues



Miscellaneous Income

Miscellaneous income includes a variety of revenue sources including the sale of GBRA assets, renewable energy credits, payments from developers, and grant and insurance reimbursements from periodic repair of flood damages. In FY 2017, grant income totaled over \$3.5M.

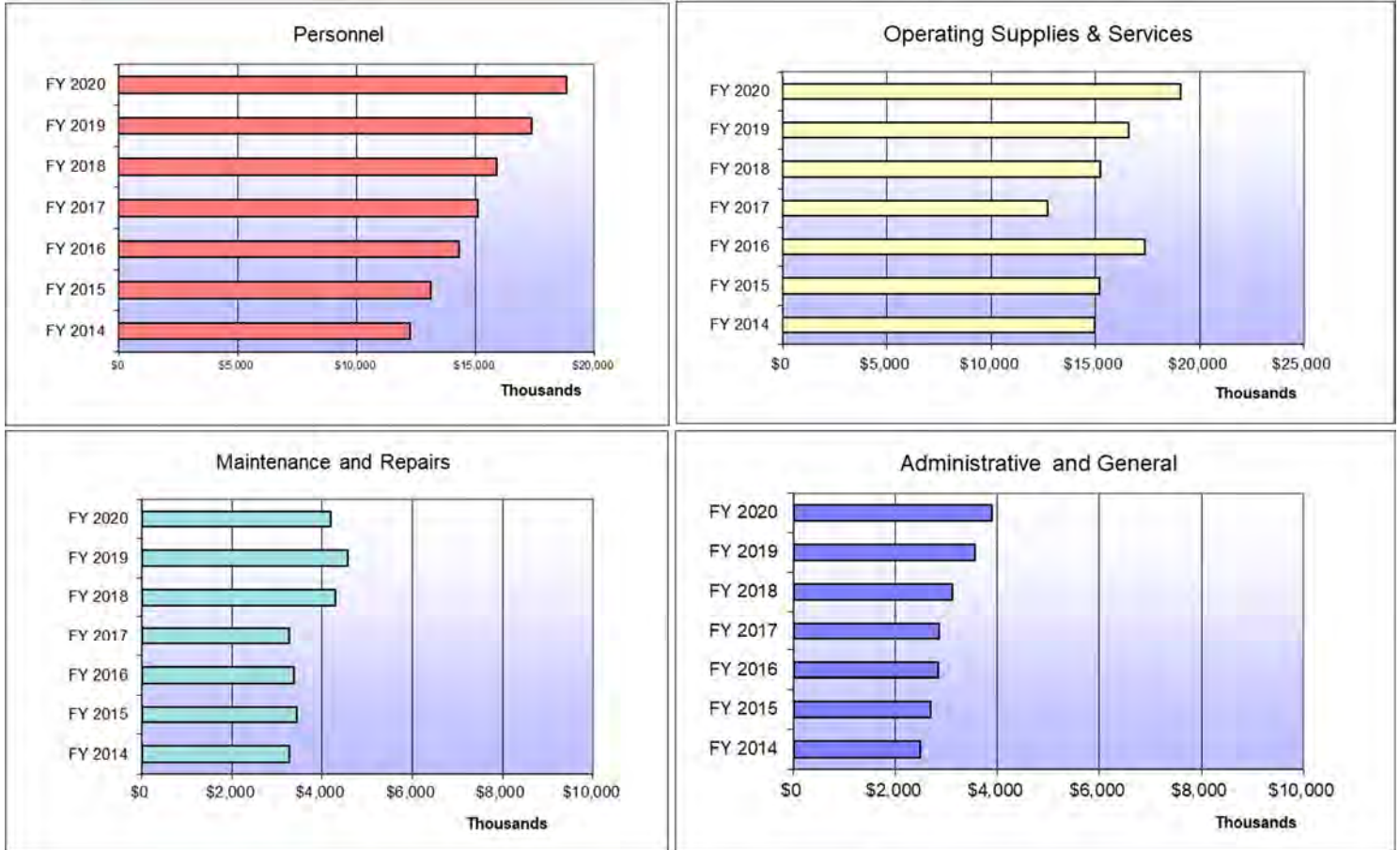
Operating Revenue Trend

The following table identifies the revenue trends over the last seven years for all of GBRA's operations:

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Revenues	Actual	Actual	Actual	Actual	Actual	Budget	Budget
Pollution & Industrial Financing	--	--	--	--	--	--	--
Power Sales	3,548,940	3,032,418	2,914,459	3,980,283	3,868,917	3,988,040	3,988,390
Water Sales & Reservoir	34,252,743	34,316,750	35,235,778	36,351,389	38,213,978	39,055,156	40,399,876
Recreation & Land Use	774,504	766,399	769,951	752,099	780,403	937,240	967,157
Wastewater Services	3,649,643	3,830,672	4,070,855	4,201,089	4,372,609	5,212,775	7,240,838
Laboratory Services	800,922	842,643	914,476	965,329	1,006,168	975,000	995,222
Rentals	352,642	385,494	370,317	312,628	251,676	235,414	198,588
Administrative & General	2,473,872	2,577,174	2,788,639	2,943,855	3,115,380	3,653,322	3,807,231
Miscellaneous Income	1,691,432	4,391,862	2,598,724	4,912,866	7,598,949	1,885,333	1,016,489
Total	47,544,698	50,143,412	49,663,199	54,419,538	59,208,080	55,942,280	58,613,791



Historical Operating Expenses



Operating Expense Trend

The following table identifies the expense trends over the last seven years for all of GBRA's operations:

	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Expenses	Actual	Actual	Actual	Actual	Actual	Budget	Budget
Personnel	12,246,705	13,119,588	14,303,090	15,110,414	15,893,436	17,373,659	18,834,900
Operating Supplies & Services	14,976,608	15,180,858	17,380,139	12,723,879	15,235,869	16,596,005	19,090,865
Maintenance and Repairs	3,264,615	3,436,488	3,364,768	3,275,783	4,301,574	4,572,237	4,194,027
Administrative and General	2,481,528	2,683,607	2,831,297	2,847,926	3,117,874	3,553,216	3,889,497
Total	32,969,456	34,420,541	37,879,294	33,958,002	38,548,753	42,095,117	46,009,289



Fiscal Year 2020 Budget

flowing solutions

Rates and Rate Structures

COMMON RATES:	2018 Actual	2019 Actual	2020 Budget	Unit of Measure	% Change	Effective Date
Transfer Fee	\$40.00	\$40.00	\$40.00	transfer	-	Sep 01
Inspection Fees	\$50.00	\$75.00	\$75.00	inspection	-	Sep 01
ACH Fee: individual bank draft at customers request	\$25.00	\$25.00	\$25.00	occurrence	-	Sep 01
NSF Fee	\$25.00	\$25.00	\$25.00	occurrence	-	Sep 01
Late Charge Penalty	5%	5%	5%	monthly fee	-	Sep 01
Meter Tampering Fee	\$70.00	\$70.00	\$70.00	+damages	-	Sep 01
Private Hand Valve Installation	@ cost	@ cost	@ cost			Sep 01
Construction Inspection Fees	\$90.00	\$90.00	\$90.00	hour	-	Sep 01
GENERAL DIVISION	2018 Actual	2019 Actual	2020 Budget	Unit of Measure	% Change	Effective Date
Administrative & General Charge	33%	33%	33%	%	-	Sep 01
Benefit Rate	40.50%	40.50%	40.50%	%	-	Sep 01
GUADALUPE VALLEY HYDRO DIVISION	2018 Actual	2019 Actual	2020 Budget	Unit of Measure	% Change	Effective Date
Energy Charge	\$0.0314	\$0.0314	\$0.0314	kWh	-	Sep 01
Facility Charge	\$125,000	\$125,000	\$125,000	month	-	Sep 01
Subordination Rate	\$5.00	\$5.00	\$5.00	AFY	-	Sep 01
Hydro Modification Permit Fee	\$600.00	\$600.00	\$600.00	permit	-	Sep 01
RURAL UTILITIES DIVISION	2018 Actual	2019 Actual	2020 Budget	Unit of Measure	% Change	Effective Date
Reconnect Fee	\$500.00	\$500.00	\$500.00	connection	-	Sep 01
Trucked Wastewater	\$60.00	\$60.00	\$60.00	1,000 gal	-	Sep 01
<u>Shadow Creek WWTP:</u>						
Monthly Sewer Rate	\$36.00	\$36.00	\$36.00	LUE	-	Oct 01
Hays CISD-Pflugler Elementary Sewer Rate	N/A	\$52.50	\$52.50	LUE	-	Oct 01
<u>Canyon Park WWRS:</u>						
1. Connection Fee	\$5,000.00	\$5,000.00	\$5,000.00	connection	-	Oct 01
2. Monthly Sewer Rate:						
Condos, Houses & Laguna Park Units	\$52.00	\$57.00	\$62.00	LUE	9%	Oct 01
3. Monthly Sewer Rate: Car Wash	\$104.00	\$114.00	\$124.00	LUE	9%	Oct 01
<u>Dunlap WWRS:</u>						
1. Connection Fee: Treatment Plant and Collection System Capa						
All customers excluding exceptions listed below:	\$5,477	\$5,477	\$6,200	connection	13%	Oct 01
Connection Fee: New customers conn. via Legends Lift Station	\$5,977	\$5,977	\$6,700	connection	12%	Oct 01
Connection Fee: Oasis line/area	\$6,377	\$6,377	\$6,377	connection	-	Oct 01
Connection Fee: Zipp Rd Utilities Duplexes (per contract until 8/31/21)	\$3,000	\$3,000	\$3,000	connection	-	Oct 01
Connection Fee: Lakeside Pass (const. costs & reimb. fees plus)	\$5,477	\$5,477	\$6,200	connection	13%	Oct 01
2. Monthly Sewer Fee: Retail	\$52.00	\$57.00	\$62.00	LUE	9%	Oct 01
3. Monthly Sewer Fee: Zipp Rd Utilities (per contract until 8/31/21)	\$48.00	\$48.00	\$48.00	LUE	-	Oct 01
<u>Dietz WWRS:</u>						
Connection Fee: Dietz WW	\$6,800	\$6,800	\$6,800	connection	-	Oct 01

Note: Rate changes for new budget year are highlighted; % change is from 2019 actual to 2020 budget year.



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Rates and Rate Structures

WATER RESOURCES DIVISION	2018 Actual	2019 Actual	2020 Budget	Unit of Measure	% Change	Effective Date
<u>Raw Water:</u>						
Firm Water	\$145.00	\$147.00	\$151.00	AFY	3%	Oct 01
Recreation Rate	\$26.61	\$26.61	\$26.61	AFY	-	Oct 01
Out-of-District Charge x Consumer Price Index Change	\$36.21	\$37.05	\$37.86	AFY	2%	Oct 01
Lower Basin Water Rate	N/A	N/A	\$151.00	AFY	NEW	Oct 01
Womack Water Rate	N/A	N/A	\$151.00	AFY	NEW	Oct 01
<u>Regional RWDS:</u>						
O&M Rate	\$0.286	\$0.251	\$0.286	1,000 gal	14%	Oct 01
Capacity Rate	\$0.190	\$0.190	\$0.190	1,000 gal	-	Oct 01
<u>Guadalupe Power Partners RWDS:</u>						
O&M Rate	\$0.482	\$0.487	\$0.611	1,000 gal	25%	Oct 01
<u>IH 35 Project:</u>						
WTP O&M Rate	\$0.500	\$0.500	\$0.500	1,000 gal	-	Oct 01
TWDS O&M Rate	\$0.297	\$0.206	\$0.278	1,000 gal	35%	Oct 01
Capacity Rate	\$0.306	\$0.306	\$0.306	1,000 gal	-	Oct 01
<u>Canyon Lake Gorge Park:</u>						
School Tours	N/A	\$5.00	\$5.00	person	-	Sep 01
Public/Group Tours	N/A	\$10.00	\$10.00	person	-	Sep 01
Corporate Tours	N/A	\$500.00	\$500.00	group	-	Sep 01
<u>Nolte Island Park:</u>						
Site #1	\$250.00	\$250.00	\$250.00	day	-	Sep 01
Site #3	\$450.00	\$450.00	\$450.00	day	-	Sep 01
Rental of all sites: 3 days	\$1,375.00	\$1,375.00	\$1,375.00	3 days	-	Sep 01
Rental of all sites: 4 days	\$1,575.00	\$1,575.00	\$1,575.00	4 days	-	Sep 01
<u>Meadow Lake Leases:</u>						
Site #1 - Homeowner's Assoc. Lot	\$150.00	\$150.00	\$150.00	site	-	Sep 01
Site #2-13	\$1,800.00	\$1,800.00	\$1,800.00	site	-	Sep 01
<u>Laboratory:</u>						
Data Transfer Fee	\$26.00	\$26.00	\$30.00	per transfer	15%	Sep 01
Mileage Fee	IRS Rate	IRS Rate	IRS Rate	per mile		Sep 01
Environmental Sampling Fee (2hr minimum)	\$75.00	\$75.00	\$120.00	per hour	60%	Sep 01
Filtration Fee	N/A	N/A	\$10.00	per sample	NEW	Sep 01
Sampler Rental Fee	N/A	N/A	\$150.00	per day	NEW	Sep 01
Shipping Rate	N/A	N/A	\$30.00	flat fee	NEW	Sep 01
Data Calculation Fee	N/A	N/A	\$10.00	per sample	NEW	Sep 01
Waste Disposal Fee	\$2.00	\$2.00	\$2.00	per sample	-	Sep 01
COD Disposal Fee	\$6.00	\$6.00	\$6.00	per sample	-	Sep 01
Lab Testing:						Sep 01
Alkalinity-Total	\$26.00	\$26.00	\$26.00	test	-	Sep 01
Alkalinity-Carbonate	\$16.00	\$16.00	\$36.00	test	125%	Sep 01
Alkalinity-Bicarbonate	\$16.00	\$16.00	\$36.00	test	125%	Sep 01
Alkalinity-Phenolthaelein	\$15.00	\$15.00	\$26.00	test	73%	Sep 01
Chlorophyll a/Pheophytin	\$62.00	\$62.00	\$62.00	test	-	Sep 01

Note: Rate changes for new budget year are highlighted; % change is from 2019 actual to 2020 budget year.



Rates and Rate Structures

WATER RESOURCES DIVISION (cont.)	2018 Actual	2019 Actual	2020 Budget	Unit of Measure	% Change	Effective Date
Conductivity	\$15.00	\$15.00	\$18.00	test	20%	Sep 01
Corrosivity	\$103.00	\$103.00	\$103.00	test	-	Sep 01
Demands-BOD (5 day)	\$35.00	\$35.00	\$40.00	test	14%	Sep 01
Demands-CBOD (5 day)	\$39.00	\$39.00	\$42.00	test	8%	Sep 01
Demands-COD	\$39.00	\$39.00	\$40.00	test	3%	Sep 01
Demands-DO (electrode)	\$12.00	\$12.00	\$15.00	test	25%	Sep 01
Ion Chromatography-Chloride	\$25.00	\$25.00	\$28.00	test	12%	Sep 01
Ion Chromatography-Chlorite	\$38.00	\$38.00	\$38.00	test	-	Sep 01
Ion Chromatography-Fluoride	\$28.00	\$28.00	\$28.00	test	-	Sep 01
Ion Chromatography-Nitrate	\$28.00	\$28.00	\$28.00	test	-	Sep 01
Ion Chromatography-Nitrite	\$28.00	\$28.00	\$28.00	test	-	Sep 01
Ion Chromatography-Ortho-Phosphorus	\$30.00	\$30.00	\$28.00	test	-7%	Sep 01
Ion Chromatography-Sulfate	\$25.00	\$25.00	\$28.00	test	12%	Sep 01
Micro-E coli (18 hr. Colilert)	\$31.00	\$31.00	\$33.00	test	6%	Sep 01
Micro-E coli-EPA	\$120.00	\$120.00	\$120.00	test	-	Sep 01
Micro-Fecal Coliform (18hr Colilert)	\$27.00	\$27.00	\$35.00	test	30%	Sep 01
Micro-Fecal Coliform for sludges	\$55.00	\$55.00	\$55.00	test	-	Sep 01
Micro-Fecal Coliform Geomean	\$87.00	\$87.00	\$87.00	test	-	Sep 01
Micro-Heterotrophic Plate Counts	\$40.00	\$40.00	\$40.00	test	-	Sep 01
Micro-Total Coliform (P/A)	\$25.00	\$25.00	\$25.00	test	-	Sep 01
Micro-Total Coliform (MPN)	N/A	\$31.00	\$33.00	test	6%	Sep 01
Nutrients-Ammonia Nitrogen	\$34.00	\$34.00	\$34.00	test	-	Sep 01
Nutrients-Total Kjeldahl Nitrogen-TKN	\$52.00	\$52.00	\$52.00	test	-	Sep 01
Nutrients-Total Nitrogen	\$118.00	\$118.00	\$118.00	test	-	Sep 01
Nutrients-Total Phosphorus	\$35.00	\$35.00	\$35.00	test	-	Sep 01
pH	\$14.00	\$14.00	\$15.00	test	7%	Sep 01
Solids Analysis-Total Suspended Solids	\$25.00	\$25.00	\$25.00	test	-	Sep 01
Solids Analysis-Volatile Suspended Solids	\$25.00	\$25.00	\$25.00	test	-	Sep 01
Solids-Total Dissolved Solids	\$28.00	\$28.00	\$28.00	test	-	Sep 01
Solids-Total Solids	\$26.00	\$26.00	\$26.00	test	-	Sep 01
Solids-Volatile Residue-VS	\$27.00	\$27.00	\$27.00	test	-	Sep 01
Solids-% Total Solids	\$20.00	\$20.00	\$25.00	test	25%	Sep 01
Sludge Oxygen Uptake Rate (SOURS)	\$58.00	\$58.00	\$58.00	test	-	Sep 01
Temperature	\$12.00	\$12.00	\$12.00	test	-	Sep 01
Total Hardness	\$30.00	\$30.00	\$30.00	test	-	Sep 01
Total Organic Carbon (TOC)	\$45.00	\$45.00	\$45.00	test	-	Sep 01
Total Organic Carbon-Dissolved	\$46.00	\$46.00	\$55.00	test	20%	Sep 01
Total Residual Chlorine	\$15.00	\$15.00	\$15.00	test	-	Sep 01
Turbidity	\$21.00	\$21.00	\$21.00	test	-	Sep 01

Laboratory fees reflect GBRA pricing only; outsourced test pricing may vary.



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Rates and Rate Structures

WATER RESOURCES DIVISION (cont.)	2018 Actual	2019 Actual	2020 Budget	Unit of Measure	% Change	Effective Date
<u>Lake Wood Recreation Area:</u>						
Annual Permit	\$150.00	\$150.00	\$150.00	permit	-	Sep 01
Replacement Annual Permit	\$5.00	\$5.00	\$5.00	permit	-	Sep 01
Boat Dock Leases	\$60.00	\$60.00	\$60.00	month	-	Sep 01
Day Use: Vehicle Entrance Fee	\$8.00	\$8.00	\$8.00	vehicle	-	Sep 01
Day Use: Individual Entrance Fee	\$2.00	\$2.00	\$2.00	person	-	Sep 01
Overnight Camping Fees:						
Tent Camper	\$23.00	\$23.00	\$23.00	night	-	Sep 01
RV/Trailer (30 amp) – Daily	\$28.00	\$28.00	\$28.00	night	-	Sep 01
RV/Trailer (30 amp) - Weekly (Apr 1-Sep 30)	\$154.00	\$154.00	\$154.00	week	-	Sep 01
RV/Trailer (30 amp) - Weekly (Oct 1-Mar 31)	\$133.00	\$133.00	\$133.00	week	-	Sep 01
RV/Trailer (30 amp) - Mthly (Apr 1-Sep 30)	\$510.00	\$510.00	\$510.00	month	-	Sep 01
RV/Trailer (30 amp) - Mthly (Oct 1-Mar 31)	\$420.00	\$420.00	\$420.00	month	-	Sep 01
RV/Trailer (50 amp) – Daily	\$32.00	\$32.00	\$32.00	night	-	Sep 01
RV/Trailer (50 amp) – Weekly	\$175.00	\$175.00	\$175.00	week	-	Sep 01
RV/Trailer (50 amp) – Monthly	\$630.00	\$630.00	\$630.00	month	-	Sep 01
Senior Citizen Camping (Oct 1-Mar 31)	\$27.00	\$27.00	\$27.00	night	-	Sep 01
Second Vehicle	\$10.00	\$10.00	\$10.00	vehicle	-	Sep 01
<u>Calhoun Canal System:</u>						
Irrigation Rates						
Rice – 1 st Crop	\$130.00	\$130.00	\$130.00	acre	-	Oct 01
Rice – 2 nd Crop	\$50.00	\$50.00	\$50.00	acre	-	Oct 01
Row Crop	\$45.00	\$45.00	\$45.00	acre	-	Oct 01
Pasture	\$45.00	\$45.00	\$45.00	acre	-	Oct 01
Crawfish Pond	\$90.00	\$90.00	\$90.00	acre	-	Oct 01
Waterfowl Field	\$60.00	\$60.00	\$60.00	acre	-	Oct 01
Catfish Farm	\$116.00	\$120.00	\$120.00	acre	-	Oct 01
M&I Customers	\$0.175	\$0.185	\$0.195	1,000 gal.	5%	Oct 01
Seadrift Coke LP Delivery (in addition to the M&I charge)	\$0.040	\$0.040	\$0.040	1,000 gal.	-	Oct 01
Ineos Nitriles Delivery (in addition to the M&I charge)	\$0.035	\$0.035	\$0.035	1,000 gal.	-	Oct 01
Other Ponds & rigs (base rate+usage)	\$495.00	\$495.00	\$495.00	base rate	-	Oct 01
	\$0.175	\$0.185	\$0.195	1,000 gal.	5%	Oct 01
Initial fill: crawfish, waterfowl & catfish water	\$0.175	\$0.185	\$0.195	1,000 gal.	5%	Oct 01
Sprinkler Irrigation	\$45.00	\$45.00	\$45.00	acre	-	Oct 01
CARRIZO GROUNDWATER DIVISION						
Water Rate - 1/1/19-12/31/19	N/A	N/A	\$70.00	AFY	NEW	01/01/19
Water Rate - 1/1/20-12/31/20	N/A	N/A	\$73.00	AFY	NEW	01/01/20



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Rates and Rate Structures

WESTERN CANYON DIVISION	2018 Actual	2019 Actual	2020 Budget	Unit of Measure	% Change	Effective Date
<u>Western Canyon WTP & TWDS:</u>						
O&M Rate	\$1.074	\$1.024	\$1.024	1,000 gal.	-	Oct 01
Capacity Rate-WTP	\$475.03	\$475.03	\$475.03	AFY	-	Oct 01
Capacity Rate-TTHM	\$23.53	\$23.53	\$23.53	AFY	-	Oct 01
Water Trucks	\$10.00	\$10.00	\$10.00	1,000 gal.	-	Oct 01
Wholesale Water Usage (Capacity-Plant/TTHM+WTP O&M)	\$2.50	\$2.550	\$2.553	1,000 gal.	0.12%	Oct 01
<u>Water Distribution Systems – Common Rates:</u>						
Reconnection Fee: Water	\$100.00	\$100.00	\$100.00	connection	-	Sep 01
Bulverde Emergency Services - Fire	\$304.00	\$304.00	\$304.00	connection	-	Sep 01
<u>Comal Trace WDS, Cordillera Ranch WDS & Johnson Ranch WDS:</u>						
1. 5/8" Meter:						
Water – Connection Fees: Comal Trace	\$1,000.00	\$1,000.00	\$1,000.00	connection	-	Sep 01
Water – Connection Fees: Cordillera	\$1,650.00	\$1,650.00	\$1,650.00	connection	-	Sep 01
Water – Connection Fees: Johnson Ranch	\$1,200.00	\$1,200.00	\$1,200.00	connection	-	Sep 01
Water – Developer Reimbursement Fee: Cordillera	\$2,000.00	\$2,000.00	\$2,000.00	connection	-	Sep 01
Water – Base Rate: up to 2,000 gal	\$44.00	\$44.00	\$44.00	month	-	Oct 01
Water – Block Rate: 2,001-10,000 gal (base rate+usage)	\$3.60	\$3.60	\$3.60	1,000 gal.	-	Oct 01
Water – Block Rate: 10,001-25,000 gal (base rate+usage)	\$4.60	\$4.60	\$4.60	1,000 gal.	-	Oct 01
Water – Block Rate: 25,001-50,000 gal (base rate+usage)	\$5.60	\$5.60	\$5.60	1,000 gal.	-	Oct 01
Water – Block Rate: 50,001-75,000 gal (base rate+usage)	\$6.60	\$6.60	\$6.60	1,000 gal.	-	Oct 01
Water – Block Rate: 75,001-100,000 gal (base rate+usage)	\$8.60	\$8.60	\$8.60	1,000 gal.	-	Oct 01
Water – Block Rate: over 100,000 gal (base rate+usage)	\$12.00	\$12.00	\$12.00	1,000 gal.	-	Oct 01
2. 1" Meter:						
Water – Connection Fees: Cordillera	\$1,730.00	\$1,730.00	\$1,730.00	connection	-	Sep 01
Water – Base Rate: up to 2,000 gal	\$104.00	\$104.00	\$99.20	month	-5%	Oct 01
Water – Block Rate: 2,001-10,000 gal (base rate+usage)	\$3.60	\$3.60	\$3.60	1,000 gal.	-	Oct 01
Water – Block Rate: 10,001-25,000 gal (base rate+usage)	\$4.60	\$4.60	\$4.60	1,000 gal.	-	Oct 01
Water – Block Rate: 25,001-50,000 gal (base rate+usage)	\$5.60	\$5.60	\$5.60	1,000 gal.	-	Oct 01
Water – Block Rate: 50,001-75,000 gal (base rate+usage)	\$6.60	\$6.60	\$6.60	1,000 gal.	-	Oct 01
Water – Block Rate: 75,001-100,000 gal (base rate+usage)	\$8.60	\$8.60	\$8.60	1,000 gal.	-	Oct 01
Water – Block Rate: over 100,000 gal (base rate+usage)	\$12.00	\$12.00	\$12.00	1,000 gal.	-	Oct 01
3. 1.5" Meter:						
Water – Connection Fees: Cordillera	\$1,850.00	\$1,850.00	\$1,850.00	connection	-	Sep 01
Water – Base Rate: up to 4,000 gal	\$204.00	\$204.00	\$198.40	month	-3%	Oct 01
Water – Block Rate: 4,001-10,000 gal (base rate+usage)	\$3.60	\$3.60	\$3.60	1,000 gal.	-	Oct 01
Water – Block Rate: 10,001-25,000 gal (base rate+usage)	\$4.60	\$4.60	\$4.60	1,000 gal.	-	Oct 01
Water – Block Rate: 25,001-50,000 gal (base rate+usage)	\$5.60	\$5.60	\$5.60	1,000 gal.	-	Oct 01
Water – Block Rate: 50,001-75,000 gal (base rate+usage)	\$6.60	\$6.60	\$6.60	1,000 gal.	-	Oct 01
Water – Block Rate: 75,001-100,000 gal (base rate+usage)	\$8.60	\$8.60	\$8.60	1,000 gal.	-	Oct 01
Water – Block Rate: over 100,000 gal (base rate+usage)	\$12.00	\$12.00	\$12.00	1,000 gal.	-	Oct 01

Note: Rate changes for new budget year are highlighted; % change is from 2019 actual to 2020 budget year.



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Rates and Rate Structures

WESTERN CANYON DIVISION (cont.)	2018 Actual	2019 Actual	2020 Budget	Unit of Measure	% Change	Effective Date
<u>Comal Trace WDS, Cordillera Ranch WDS & Johnson Ranch WDS (cont.):</u>						
4. 2" Meter:						
Water – Connection Fees: Cordillera	\$2,560.00	\$2,560.00	\$2,560.00	connection	-	Sep 01
Water – Base Rate: up to 4,000 gal	\$304.00	\$304.00	\$308.80	month	2%	Oct 01
Water – Block Rate: 4,001-10,000 gal (base rate+usage)	\$3.60	\$3.60	\$3.60	1,000 gal.	-	Oct 01
Water – Block Rate: 10,001-25,000 gal (base rate+usage)	\$4.60	\$4.60	\$4.60	1,000 gal.	-	Oct 01
Water – Block Rate: 25,001-50,000 gal (base rate+usage)	\$5.60	\$5.60	\$5.60	1,000 gal.	-	Oct 01
Water – Block Rate: 50,001-75,000 gal (base rate+usage)	\$6.60	\$6.60	\$6.60	1,000 gal.	-	Oct 01
Water – Block Rate: 75,001-100,000 gal (base rate+usage)	\$8.60	\$8.60	\$8.60	1,000 gal.	-	Oct 01
Water – Block Rate: over 100,000 gal (base rate+usage)	\$12.00	\$12.00	\$12.00	1,000 gal.	-	Oct 01
5. 3" Meter:						
Water – Connection Fees: Cordillera	\$2,860.00	\$2,860.00	\$2,860.00	connection	-	Sep 01
Water – Base Rate: up to 4,000 gal	\$524.00	\$524.00	\$566.40	month	8%	Oct 01
Water – Block Rate: 4,001-10,000 gal (base rate+usage)	\$3.60	\$3.60	\$3.60	1,000 gal.	-	Oct 01
Water – Block Rate: 10,001-25,000 gal (base rate+usage)	\$4.60	\$4.60	\$4.60	1,000 gal.	-	Oct 01
Water – Block Rate: 25,001-50,000 gal (base rate+usage)	\$5.60	\$5.60	\$5.60	1,000 gal.	-	Oct 01
Water – Block Rate: 50,001-75,000 gal (base rate+usage)	\$6.60	\$6.60	\$6.60	1,000 gal.	-	Oct 01
Water – Block Rate: 75,001-100,000 gal (base rate+usage)	\$8.60	\$8.60	\$8.60	1,000 gal.	-	Oct 01
Water – Block Rate: over 100,000 gal (base rate+usage)	\$12.00	\$12.00	\$12.00	1,000 gal.	-	Oct 01
6. 4" Meter:						
Water – Connection Fees: Cordillera	N/A	N/A	\$3,160.00	connection	NEW	Sep 01
Water – Base Rate: up to 4,000 gal	N/A	N/A	\$934.40	month	NEW	Oct 01
Water – Block Rate: 4,001-10,000 gal (base rate+usage)	N/A	N/A	\$3.60	1,000 gal.	NEW	Oct 01
Water – Block Rate: 10,001-25,000 gal (base rate+usage)	N/A	N/A	\$4.60	1,000 gal.	NEW	Oct 01
Water – Block Rate: 25,001-50,000 gal (base rate+usage)	N/A	N/A	\$5.60	1,000 gal.	NEW	Oct 01
Water – Block Rate: 50,001-75,000 gal (base rate+usage)	N/A	N/A	\$6.60	1,000 gal.	NEW	Oct 01
Water – Block Rate: 75,001-100,000 gal (base rate+usage)	N/A	N/A	\$8.60	1,000 gal.	NEW	Oct 01
Water – Block Rate: over 100,000 gal (base rate+usage)	N/A	N/A	\$12.00	1,000 gal.	NEW	Oct 01
7. 6" Meter:						
Water – Connection Fees: Cordillera	N/A	N/A	\$3,760.00	connection	NEW	Sep 01
Water – Base Rate: up to 4,000 gal	N/A	\$1,854.40	\$1,854.40	month	-	Oct 01
Water – Block Rate: 4,001-10,000 gal (base rate+usage)	N/A	\$3.60	\$3.60	1,000 gal.	-	Oct 01
Water – Block Rate: 10,001-25,000 gal (base rate+usage)	N/A	\$4.60	\$4.60	1,000 gal.	-	Oct 01
Water – Block Rate: 25,001-50,000 gal (base rate+usage)	N/A	\$5.60	\$5.60	1,000 gal.	-	Oct 01
Water – Block Rate: 50,001-75,000 gal (base rate+usage)	N/A	\$6.60	\$6.60	1,000 gal.	-	Oct 01
Water – Block Rate: 75,001-100,000 gal (base rate+usage)	N/A	\$8.60	\$8.60	1,000 gal.	-	Oct 01
Water – Block Rate: over 100,000 gal (base rate+usage)	N/A	\$12.00	\$12.00	1,000 gal.	-	Oct 01
<u>Wastewater Treatment Plant - Common Rates:</u>						
Reconnection Fee: Wastewater	\$500.00	\$500.00	\$500.00	connection	-	Sep 01
Customer Re-Inspection Fee	\$100.00	\$100.00	\$100.00	inspection	-	Sep 01
<u>4S Ranch WWTP and Park Village WWSR:</u>						
Wastewater – Connection Fees	\$550.00	\$550.00	\$550.00	connection	-	Oct 01
Wastewater – Monthly Fees	\$45.00	\$45.00	\$45.00	LUE	-	Oct 01



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Rates and Rate Structures

WESTERN CANYON DIVISION (cont.)	2018 Actual	2019 Actual	2020 Budget	Unit of Measure	% Change	Effective Date
<u>Cordillera WWTP:</u>						
Wastewater – Connection Fee	\$1,500.00	\$1,500.00	\$1,500.00	connection	-	Sep 01
+ Grinder Pump	pump @ cost	pump @ cost	pump @ cost			
Service call (up to 3 hours)	\$150.00	\$150.00	\$150.00	minimum	-	Sep 01
over minimum	\$50.00	\$50.00	\$50.00	per hour	-	Sep 01
Pump Replacement	\$350.00	\$350.00	\$350.00	occurrence	-	Sep 01
Wastewater – Developer Reimbursement Fee	\$2,000.00	\$2,000.00	\$2,000.00	connection	-	Sep 01
Wastewater – Monthly Fees	\$70.00	\$70.00	\$73.00	LUE	4%	Oct 01
<u>Johnson Ranch WWTP:</u>						
Wastewater – Connection Fees	\$550.00	\$550.00	\$550.00	connection	-	Oct 01
Wastewater – Service Fees:	\$45.00	\$45.00	N/A	LUE		Oct 01
1. Residential Connection:						
5/8", 1" Meter:						
Monthly Minimum	N/A	N/A	\$32.16	month	NEW	Oct 01
Usage Charge - based on winter months avg (Dec-Feb), maximum 10,000 gallons	N/A	N/A	\$3.68	1,000 gal.	NEW	Oct 01
2. Non-Residential Connection:						
5/8" Meter:						
Monthly Minimum	N/A	N/A	\$32.16	month	NEW	Oct 01
Usage Charge	N/A	N/A	\$3.68	1,000 gal.	NEW	Oct 01
3" Meter:						
Monthly Minimum	N/A	N/A	\$514.52	month	NEW	Oct 01
Usage Charge	N/A	N/A	\$3.68	1,000 gal.	NEW	Oct 01
3. Emergency Services Facility:						
Monthly Minimum	N/A	N/A	\$96.47	month	NEW	Oct 01
Usage Charge	N/A	N/A	\$3.68	1,000 gal.	NEW	Oct 01
CALHOUN COUNTY RWS DIVISION	2018 Actual	2019 Actual	2020 Budget	Unit of Measure	% Change	Effective Date
Reconnect Fee/Trip Charge	\$70.00	\$70.00	\$70.00	connection	-	Sep 01
Call Out Trip Charge	\$250.00	\$250.00	\$250.00	occurrence	-	Sep 01
<u>Rural Water Distribution System:</u>						
1. 5/8" Meter:						
Connection Fees-New Connection, plus membership fee	\$1,000.00	\$1,000.00	\$1,000.00	connection	-	Oct 01
Connection Fees-Existing Connection, plus membership fee	\$355.00	\$355.00	\$355.00	connection	-	Oct 01
Membership Fees	\$1,200.00	\$1,200.00	\$1,200.00	connection	-	Oct 01
Water - Base Rate: up to 2,000 gal	\$43.00	\$48.00	\$48.00	month	-	Oct 01
Water - Block Rate: 2,001-5,000 gal (base rate+usage)	\$6.05	\$6.05	\$6.05	1,000 gal.	-	Oct 01
Water - Block Rate: 5,001-15,000 gal (base rate+usage)	\$7.05	\$8.05	\$8.05	1,000 gal.	-	Oct 01
Water - Block Rate: 15,001-35,000 gal (base rate+usage)	\$10.05	\$12.05	\$12.05	1,000 gal.	-	Oct 01
Water - Block Rate: over 35,000 gal (base rate+usage)	\$12.05	\$14.05	\$14.05	1,000 gal.	-	Oct 01
Dry Tap Rate	\$42.00	\$42.00	\$42.00	month	-	Oct 01

Note: Rate changes for new budget year are highlighted; % change is from 2019 actual to 2020 budget year.



Fiscal Year 2020 Budget

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Rates and Rate Structures

CALHOUN COUNTY RWS DIVISION (cont.)	2018 Actual	2019 Actual	2020 Budget	Unit of Measure	% Change	Effective Date
2. ¾" Meter:						
Connection Fees-New Connection, plus membership fee	\$1,000.00	\$1,000.00	\$1,000.00	connection	-	Oct 01
Connection Fees-Existing Connection, plus membership fee	\$385.00	\$385.00	\$385.00	connection	-	Oct 01
Membership Fees	\$2,300.00	\$2,300.00	\$2,300.00	connection	-	Oct 01
Water - Base Rate: up to 3,000 gal	\$65.00	\$72.00	\$72.00	month	-	Oct 01
Water - Block Rate: 3,001-5,000 gal (base rate+usage)	\$6.05	\$6.05	\$6.05	1,000 gal.	-	Oct 01
Water - Block Rate: 5,001-15,000 gal (base rate+usage)	\$7.05	\$8.05	\$8.05	1,000 gal.	-	Oct 01
Water - Block Rate: 15,001-35,000 gal (base rate+usage)	\$10.05	\$12.05	\$12.05	1,000 gal.	-	Oct 01
Water - Block Rate: over 35,000 gal (base rate+usage)	\$12.05	\$14.05	\$14.05	1,000 gal.	-	Oct 01
Dry Tap Rate	\$64.00	\$64.00	\$64.00	month	-	Oct 01
3. 1" Meter:						
Connection Fees-New Connection, plus membership fee	\$1,300.00	\$1,300.00	\$1,300.00	connection	-	Oct 01
Connection Fees-Existing Connection, plus membership fee	\$465.00	\$465.00	\$465.00	connection	-	Oct 01
Membership Fees	\$3,100.00	\$3,100.00	\$3,100.00	connection	-	Oct 01
Water - Base Rate: up to 4,000 gal	\$86.00	\$113.95	\$113.95	month	-	Oct 01
Water - Block Rate: 4,001-5,000 gal (base rate+usage)	\$6.05	\$6.05	\$6.05	1,000 gal.	-	Oct 01
Water - Block Rate: 5,001-15,000 gal (base rate+usage)	\$7.05	\$8.05	\$8.05	1,000 gal.	-	Oct 01
Water - Block Rate: 15,001-35,000 gal (base rate+usage)	\$10.05	\$12.05	\$12.05	1,000 gal.	-	Oct 01
Water - Block Rate: over 35,000 gal (base rate+usage)	\$12.05	\$14.05	\$14.05	1,000 gal.	-	Oct 01
Dry Tap Rate	\$85.00	\$85.00	\$85.00	month	-	Oct 01
4. 1- ½" Meter:						
Connection Fees-New Connection, plus membership fee	\$1,900.00	\$1,900.00	\$1,900.00	connection	-	Oct 01
Membership Fees	\$6,900.00	\$6,900.00	\$6,900.00	connection	-	Oct 01
Water - Base Rate: up to 8,000 gal	\$173.00	\$233.90	\$233.90	month	-	Oct 01
Water - Block Rate: 8,001-15,000 gal (base rate+usage)	\$7.05	\$8.05	\$8.05	1,000 gal.	-	Oct 01
Water - Block Rate: 15,001-35,000 gal (base rate+usage)	\$10.05	\$12.05	\$12.05	1,000 gal.	-	Oct 01
Water - Block Rate: over 35,000 gal (base rate+usage)	\$12.05	\$14.05	\$14.05	1,000 gal.	-	Oct 01
Dry Tap Rate	\$172.00	\$172.00	\$172.00	month	-	Oct 01
5. 2" Meter:						
Connection Fees-New Connection, plus membership fee	\$2,100.00	\$2,100.00	\$2,100.00	connection	-	Oct 01
Membership Fees	\$15,500.00	\$15,500.00	\$15,500.00	connection	-	Oct 01
Base Rate up to 16,000 gal.	\$346.00	\$410.00	\$410.00	month	-	Oct 01
Water - Block Rate: 16,001-35,000 gal (base rate+usage)	\$10.05	\$12.05	\$12.05	1,000 gal.	-	Oct 01
Water - Block Rate: over 35,000 gal (base rate+usage)	\$12.05	\$14.05	\$14.05	1,000 gal.	-	Oct 01
Dry Tap Rate	\$345.00	\$345.00	\$345.00	month	-	Oct 01
6. 3" Meter:						
Connection Fees-New Connection, plus membership fee	N/A	\$12,000.00	\$12,000.00	connection	-	Oct 01
Membership Fees	N/A	\$23,200.00	\$23,200.00	connection	-	Oct 01
Base Rate up to 32,000 gal.	N/A	\$854.10	\$854.10	month	-	Oct 01
Water - Block Rate: 32,001-35,000 gal (base rate+usage)	N/A	\$12.05	\$12.05	1,000 gal.	-	Oct 01
Water - Block Rate: over 35,000 gal (base rate+usage)	N/A	\$14.05	\$14.05	1,000 gal.	-	Oct 01
Dry Tap Rate	N/A	\$644.00	\$644.00	month	-	Oct 01



Fiscal Year 2020 Budget

flowing solutions

Rates and Rate Structures

CALHOUN COUNTY RWS DIVISION (cont.)	2018 Actual	2019 Actual	2020 Budget	Unit of Measure	% Change	Effective Date
Crestview Subdivision:						
Residential: Monthly Sewer Fees	\$75.00	\$75.00	\$75.00	month	-	Oct 01
Residential: New Connection	@ cost	@ cost	@ cost			Oct 01
Residential: Reactivate Connection	\$225.00	\$225.00	\$225.00	connection	-	Oct 01
Multi-family/2 Units: Monthly Sewer Fees	\$112.50	\$112.50	\$112.50	month	-	Oct 01
Multi-family/2 Units: New Connection	@ cost	@ cost	@ cost			Oct 01
Multi-family/2 Units: Reactivate Connection	\$337.50	\$337.50	\$337.50	connection	-	Oct 01
COLETO CREEK RECREATION SYSTEM						
Day Use Entrance Permit	\$9.00	\$12.00	\$17.00	4 people	42%	Sep 01
Individual Passes	\$2.00	\$5.00	\$5.00	day	-	Sep 01
Annual Permit	\$165.00	\$185.00	\$185.00	permit	-	Sep 01
Replacement Annual Permit	\$5.00	\$5.00	\$5.00	permit	-	Sep 01
Camping Fee	\$35.00	\$40.00	\$40.00	night	-	Sep 01
Camping Fee Premium Sites	\$40.00	\$45.00	\$45.00	night	-	Sep 01
Overflow Camping	\$28.00	\$28.00	\$28.00	night	-	Sep 01
Camping Extra Vehicle Charge	\$11.00	\$12.00	\$12.00	night	-	Sep 01
Camping Fee (Weekly: 10/1-3/31)	\$182.00	\$200.00	\$200.00	7 nights	-	Sep 01
Camping Fee (Monthly: 10/1-3/31)	\$450.00	\$475.00	\$475.00	30 nights	-	Sep 01
Senior Citizens Camping (10/1-3/31)	\$30.00	\$30.00	\$30.00	night	-	Sep 01
Primitive Camping	\$28.00	\$28.00	\$28.00	night	-	Sep 01
Monthly Parking Pass (1/couple: 10/1-3/31)	\$45.00	\$45.00	\$45.00	30 nights	-	Sep 01
Holding Tank Pumpout Fee	\$20.00	\$20.00	\$20.00	pump out	-	Sep 01
Cabin Rental (Small Units)	\$70.00	\$90.00	\$90.00	night	-	Sep 01
Cabin Rental (Large Units)	\$90.00	\$110.00	\$110.00	night	-	Sep 01
Group Picnic Shelter "C" (enclosed)	\$100.00	\$100.00	\$100.00	day	-	Sep 01
Group Picnic Shelter "D"	\$75.00	\$75.00	\$75.00	day	-	Sep 01
Holiday Upcard on all rentals: Easter, Memorial Day, July 4th, Labor Da	\$10.00	\$10.00	\$10.00	additional chg/night	-	Sep 01
Boat/Trailer Storage	\$45.00	\$45.00	\$45.00	30 days	-	Sep 01
Type I Lease (Minimum Annual Fee)	\$290.00	\$310.00	\$310.00	year	-	Sep 01
Type II Lease (Minimum Annual Fee)	\$0.50	\$0.50	\$0.50	linear foot	-	Sep 01
Lease Modification Permit	\$75.00	\$100.00	\$100.00	permit	-	Sep 01
Lake Wood Common Area (Boat Channel)	\$80.00	\$80.00	\$80.00	lot/yr	-	Sep 01
Lake Wood Homeowners Park (off lake)	\$45.00	\$45.00	\$45.00	lot/yr	-	Sep 01
Twin Lake Homeowners Park (off lake)	\$70.00	\$70.00	\$70.00	lot/yr	-	Sep 01
Agricultural Leases up to 5 acres	\$50.00	\$50.00	\$50.00	minimum/yr	-	Sep 01
Over 5 Acres: Minimum + Acreage Rate	\$11.00	\$15.00	\$15.00	acre	-	Sep 01
Bowhunting Fee (weekend)	\$165.00	\$185.00	\$185.00	hunter	-	Sep 01
Photo Blind Use Fee	\$35.00	\$35.00	\$35.00	day/blind	-	Sep 01
Photo Blind Use Fee	\$80.00	\$80.00	\$80.00	3 days	-	Sep 01



Rates and Rate Structures

LULING WTP DIVISION	2018 Actual	2019 Actual	2020 Budget	Unit of Measure	% Change	Effective Date
Water Treatment Plant Charge	\$1.334	\$1.492	\$1.749	1,000 gal.	17%	Sep 01
Treated Water Delivery System O&M Charge	\$0.346	\$0.378	\$0.528	1,000 gal.	40%	Sep 01
City of Luling Capacity Charge (WTP, Zedler Mill), pass-through	\$0.150	\$0.150	\$0.150	1,000 gal.	-	Sep 01
CANYON HYDROELECTRIC DIVISION	2018 Actual	2019 Actual	2020 Budget	Unit of Measure	% Change	Effective Date
Energy Charge	\$0.0133	\$0.0133	\$0.0133	kWh	-	Sep 01
LOCKHART DIVISION	2018 Actual	2019 Actual	2020 Budget	Unit of Measure	% Change	Effective Date
Septic Tank Waste	\$67.00	\$67.00	\$72.00	1,000 gal.	7%	Sep 01
Hauler Annual Permit Fee	\$150.00	\$150.00	\$150.00	permit	-	Sep 01

Debt Information

The issuance of long-term debt requires that GBRA retain the services of outside professionals to assist with the administrative responsibilities accompanying the issuance of the debt. These professionals are chosen to ensure compliance with legal requirements and reduce total financing costs. These professionals will normally include a financial advisor, bond counsel, printer, trustee, underwriter, rating agency and paying agent. Other professionals, which are retained depending on the magnitude and complexity of the issue, include general counsel, underwriter counsel and bond insurer. The following table displays the financing team structure and current outside financial professionals engaged by GBRA:

	Contract Revenue Bonds	
Issuer - GBRA	Underwriters	Bond Purchasers
Financial Advisors <i>Specialized Public Finance</i> <i>Hilltop Securities</i> General Counsel Paying Agent/Registrar Bond Printer POS/OS Printer	Underwriter Counsel Rating Agency <i>Moody's and S&P</i> Bond Insurer	Bond Counsel <i>McCall, Parkhurst & Horton</i> Trustee

The funding of infrastructure or other capital improvement projects is derived from both equity and debt sources. That funding which is provided through equity includes revenue received from customers as well as contributions from developers. Capital improvement funding, which is provided from debt, includes short-term bank loans as well as to the issuance of longer-term contract revenue bonds. GBRA does not have the power of taxation nor does it derive any of its revenues from taxes; therefore, it issues no general obligation bonds. A summary of the projected August 31, 2020 balance for GBRA's current debt is shown on the following page.

Debt Obligations – Summary Table

Series	Date of Issue	Final Maturity	Effective Interest Rate	Original Amount	Outstanding 8/31/2018	Retired During FY 2019	Outstanding 8/31/2019	Retired During FY 2020	Outstanding 8/31/2020
OBLIGATIONS PAYABLE DIRECTLY BY GBRA									
RURAL UTILITIES DIVISION									
Regions Loan, Dunlap Collection System	03/15/2012	2032	3.34%	\$ 2,600,000	\$ 2,100,000	\$ 110,000	\$ 1,990,000	\$ 115,000	\$ 1,875,000
Regions Loan, Emergency Generator-032	08/29/2014	2019	3.12%	33,000	7,015	7,015	--	--	--
Regions Loan, Emergency Generator-033	08/29/2014	2019	3.12%	37,000	7,866	7,866	--	--	--
Wells Fargo Loan, Emergency Generator-033	12/01/2016	2026	3.45%	97,050	82,426	8,760	73,666	9,067	64,599
Wells Fargo Loan, Belt Press/Truck-041	12/01/2016	2026	3.45%	407,950	346,472	36,822	309,650	38,114	271,536
WATER RESOURCE DIVISION									
U. S. Government Loan	01/01/1977	2026	2.5%	8,979,862	2,214,786	253,521	1,961,265	259,859	1,701,406
A. Ussery, Water Rights	09/26/2006	2031	4.50%	343,496	217,867	217,867	--	--	--
Luling Foundation, Water Rights	09/26/2006	2031	4.50%	584,706	370,851	370,851	--	--	--
General Improvement & Ref. Rev. Bonds, 2011	03/01/2011	2030	3.0-4.375%	10,745,000	6,860,000	545,000	6,315,000	565,000	5,750,000
General Improvement Revenue Bonds, 2012	04/05/2012	2031	0.14-1.86%	4,400,000	3,065,000	225,000	2,840,000	225,000	2,615,000
General Improvement Revenue Bonds, 2015	11/15/2015	2035	1.83-3.17%	2,000,000	2,000,000	--	2,000,000	--	2,000,000
General Improvement Sub Lien Revenue Bonds, 2017	11/15/2017	2020	1.44-5.0%	31,140,000	31,140,000	--	--	--	--
General Improvement Revenue Bonds, 2018A				12,030,000	--	--	12,030,000	--	12,030,000
General Improvement Revenue Bonds, 2018B				11,895,000	--	--	11,895,000	--	11,895,000
General Improvement Revenue Bonds, 2018				34,285,000	--	--	34,285,000	--	34,285,000
Total Obligations Payable Directly by GBRA				\$119,578,064	\$ 48,412,283	\$ 1,782,702	\$ 73,699,581	\$ 1,212,040	\$ 72,487,541
CONTRACT REVENUE BONDS AND LOANS									
WATER RESOURCE DIVISION									
RRWDS Combination Contract Revenue Bonds									
2007B	09/15/2007	2039	7.10%	\$ 5,775,000	\$ 5,040,000	\$ 110,000	\$ 4,930,000	\$ 120,000	\$ 4,810,000
RRWDS Contract Rev Ref Bonds, San Marcos									
2010	08/01/2010	2024	2.0-3.25%	\$6,895,000	3,325,000	500,000	2,825,000	520,000	2,305,000
IH35 Project Combination Contract Revenue Bonds									
2013	04/17/2013	2037	2.0-5.0%	19,470,000	16,170,000	600,000	15,570,000	625,000	14,945,000
Western Canyon Regional Water Supply Project Revenue Bonds									
2013A	07/10/2013	2033	1.0-5.0%	55,265,000	45,040,000	2,115,000	42,925,000	2,200,000	40,725,000
Western Canyon Regional Water Supply Project Revenue Bonds									
2013B	07/10/2013	2033	1.909-4.63%	6,830,000	5,465,000	275,000	5,190,000	285,000	4,905,000
San Marcos Water Treatment Plant Revenue Bonds									
2016	11/22/2016	2036	2.0-5.0%	4,850,000	4,760,000	95,000	4,665,000	95,000	4,570,000
RRWDS Contract Revenue Refunding Bonds									
2017	07/20/2017	2039	2.0-4.0%	7,745,000	7,455,000	245,000	7,210,000	250,000	6,960,000
Western Canyon Contract Revenue Bonds									
2017	10/15/2017	2037	2.0-4.0%	4,105,000	3,920,000	105,000	3,815,000	185,000	3,920,000
PORT LAVACA WATER TREATMENT PLANT DIVISION									
Frost National Bank, Clearwell	03/04/2008	2022	4.00%	400,000	199,647	54,190	145,457	56,416	89,041
LULING WATER TREATMENT PLANT DIVISION									
Treated Water Delivery System Contract Revenue Refunding Bonds (City of Lockhart)									
2014	02/26/2014	2030	2.45%	4,950,000	3,955,000	275,000	3,680,000	280,000	3,400,000
Total Contract Revenue Bonds and Loans				\$116,285,000	\$ 95,329,647	\$ 4,374,190	\$ 90,955,457	\$ 4,616,416	\$ 86,629,041
Total Bonds & Loans Payable					\$143,741,930		\$164,655,038		\$159,116,582



Debt Obligations – Amortization Schedules

DUNLAP WASTEWATER TREATMENT PLANT AMORTIZATION SCHEDULE FOR REGIONS BANK

YR ENDING AUGUST 31	PRINCIPAL	INTEREST	TOTAL REQUIREMENTS
2020	\$115,000	\$64,546	\$179,546
2021	115,000	60,704	175,704
2022	120,000	56,780	176,780
2023	125,000	52,689	177,689
2024	130,000	48,430	178,430
2025	135,000	44,004	179,004
2026	140,000	39,412	179,412
2027	145,000	34,653	179,653
2028	145,000	29,809	174,809
2029	150,000	24,883	174,883
2030	160,000	19,706	179,706
2031	165,000	14,278	179,278
2032	170,000	8,683	178,683
2033	175,000	2,923	177,923
	<u>\$1,990,000</u>	<u>\$501,500</u>	<u>\$2,491,500</u>

WELLS FARGO BANK LOAN GENERATOR, BELT PRESS, TRUCK

YR END AUG 31	DUNLAP WWTP- GENERATOR			WATER SALES-BELT PRESS			WATER SALES-TRUCK		
	PRINC	INT	TOTAL	PRINC	INT	TOTAL	PRINC	INT	TOTAL
2020	\$9,067	\$2,422	\$11,489	\$3,151	\$842	\$3,992	\$34,963	\$9,341	\$44,304
2021	9,384	2,105	11,489	3,261	731	3,992	36,187	8,115	44,302
2022	9,713	1,776	11,489	3,375	617	3,992	37,455	6,847	44,302
2023	10,054	1,435	11,489	3,493	499	3,992	38,766	5,534	44,300
2024	10,406	1,083	11,489	3,616	373	3,992	40,124	4,175	44,299
2025	10,771	718	11,489	3,742	250	3,992	41,529	2,769	44,298
2026	11,148	341	11,489	3,874	118	3,992	42,983	1,313	44,296
2027	3,123	27	3,150	1,320	10	1,330	11,811	106	11,917
	<u>\$73,666</u>	<u>\$9,907</u>	<u>\$83,573</u>	<u>\$25,832</u>	<u>\$3,440</u>	<u>\$29,274</u>	<u>\$283,818</u>	<u>\$38,200</u>	<u>\$322,018</u>

CANYON DAM AND RESERVOIR SCHEDULE AMORTIZATION SCHEDULE FOR U.S. GOVERNMENT LOAN

YR ENDING AUGUST 31	PRINCIPAL	INTEREST	TOTAL REQUIREMENTS
2020	\$259,859	\$49,031	\$308,890
2021	266,355	42,535	308,890
2022	273,014	35,876	308,890
2023	279,839	29,051	308,890
2024	286,835	22,055	308,890
2025	294,006	14,884	308,890
2026	301,357	7,532	308,890
	<u>\$1,961,265</u>	<u>\$200,964</u>	<u>\$2,162,230S</u>



Fiscal Year 2020 Budget

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Debt Obligations – Amortization Schedules

PORT LAVACA WTP CLEARWELL FROST NATIONAL BANK

YEAR ENDING AUGUST 31	PRINCIPAL	INTEREST	TOTAL REQUIREMENTS
2020	\$56,416	\$4,872	\$61,288
2021	58,760	2,528	61,288
2022	30,281	360	30,641
	<u>\$145,457</u>	<u>\$7,760</u>	<u>\$153,217</u>

GENERAL IMPROVEMENT & REFUNDING REVENUE BONDS, SERIES 2011

YR END AUG 31	WATER RIGHT CONTRACT BUYOUT			REFUNDING OFFICE EXPANSION			TOTAL REQ's
	PRINCIPAL	INTEREST	TOTAL	PRINCIPAL	INTEREST	TOTAL	
2020	\$345,000	\$177,462.50	\$522,463	\$220,000	\$83,443.76	\$303,444	\$825,907
2021	360,000	163,662.50	523,663	230,000	74,643.76	304,644	828,307
2022	375,000	149,262.50	524,263	240,000	65,443.76	305,444	829,707
2023	385,000	135,668.76	520,669	255,000	56,743.76	311,744	832,413
2024	400,000	121,231.26	521,231	265,000	47,181.26	312,181	833,412
2025	415,000	105,231.26	520,231	275,000	36,581.26	311,581	831,812
2026	435,000	88,112.50	523,113	285,000	25,237.50	310,238	833,351
2027	455,000	69,625.00	524,625	300,000	13,125.00	313,125	837,750
2028	475,000	49,718.76	524,719				524,719
2029	495,000	27,750.00	522,750				522,750
2030	105,000	4,856.26	109,856				109,856
	<u>\$4,245,000</u>	<u>\$1,092,581</u>	<u>\$5,337,583</u>	<u>\$2,070,000</u>	<u>\$402,400</u>	<u>\$2,472,401</u>	<u>\$7,809,984</u>

MID-BASIN PROJECT, GENERAL IMPROVEMENT REVENUE BONDS, SERIES 2012

YR END AUG 31	PRINCIPAL	INTEREST	TOTAL REQ's
2020	\$225,000	\$36,620	\$261,620
2021	225,000	35,472	260,472
2022	225,000	33,898	258,898
2023	230,000	31,985	261,985
2024	230,000	29,593	259,593
2025	235,000	26,971	261,971
2026	235,000	24,128	259,128
2027	240,000	21,002	261,002
2028	245,000	17,522	262,522
2029	245,000	13,210	258,210
2030	250,000	9,143	259,143
2031	255,000	4,743	259,743
	<u>\$2,840,000</u>	<u>\$284,287</u>	<u>\$3,124,287</u>

Debt Obligations – Amortization Schedules

COMBINATION CONTRACT REVENUE REFUNDING BONDS, SERIES 2013A&B WESTERN CANYON REGIONAL WATER SUPPLY PROJECT

YREND AUG 31	SERIES 2013A BONDS			TAXABLE SERIES 2013B BONDS			TOTAL REQUIREMENTS
	PRINCIPAL	INTEREST	2013A TOTAL	PRINCIPAL	INTEREST	2013B TOTAL	
2020	\$2,200,000	\$2,131,100	\$4,331,100	\$285,000	\$224,301	\$509,301	\$4,840,401
2021	2,305,000	2,021,100	4,326,100	295,000	214,933	509,933	4,836,033
2022	2,415,000	1,913,350	4,328,350	305,000	205,236	510,236	4,838,586
2023	2,535,000	1,792,600	4,327,600	315,000	195,211	510,211	4,837,811
2024	2,660,000	1,665,850	4,325,850	325,000	184,857	509,857	4,835,707
2025	2,795,000	1,532,850	4,327,850	335,000	169,799	504,799	4,832,649
2026	2,935,000	1,393,100	4,328,100	350,000	154,279	504,279	4,832,379
2027	3,080,000	1,246,350	4,326,350	370,000	138,063	508,063	4,834,413
2028	3,235,000	1,092,350	4,327,350	390,000	120,921	510,921	4,838,271
2029	3,400,000	930,600	4,330,600	405,000	102,853	507,853	4,838,453
2030	3,565,000	762,000	4,327,000	425,000	84,089	509,089	4,836,089
2031	3,745,000	585,200	4,330,200	440,000	64,399	504,399	4,834,599
2032	3,930,000	399,500	4,329,500	465,000	44,014	509,014	4,838,514
2033	4,125,000	204,600	4,329,600	485,000	22,470	507,470	4,837,070
	<u>\$42,925,000</u>	<u>\$17,670,550</u>	<u>\$60,595,550</u>	<u>\$5,190,000</u>	<u>\$1,925,425</u>	<u>\$7,115,425</u>	<u>\$67,710,975</u>

CONTRACT REVENUE BONDS, SERIES 2013 IH 35 TREATED WATER DELIVERY SYSTEM PROJECT

YEAR ENDING AUGUST 31	PRINCIPAL	INTEREST	TOTAL REQUIREMENTS
2020	\$625,000	\$571,833	\$1,196,833
2021	640,000	557,769	1,197,769
2022	660,000	532,169	1,192,169
2023	690,000	505,769	1,195,769
2024	730,000	471,269	1,201,269
2025	765,000	434,769	1,199,769
2026	785,000	411,819	1,196,819
2027	810,000	387,288	1,197,288
2028	840,000	360,963	1,200,963
2029	865,000	332,613	1,197,613
2030	900,000	301,256	1,201,256
2031	930,000	268,631	1,198,631
2032	965,000	234,919	1,199,919
2033	1,000,000	199,938	1,199,938
2034	1,035,000	163,688	1,198,688
2035	1,070,000	124,875	1,194,875
2036	1,110,000	84,750	1,194,750
2037	1,150,000	43,121	1,193,121
	<u>\$15,570,000</u>	<u>\$5,987,439</u>	<u>\$21,557,439</u>

Debt Obligations – Amortization Schedules

**COMBINATION CONTRACT REVENUE BONDS, SUBORDINATE
 SERIES 2007B AND 2017
 WATER RESOURCES DIVISION REVENUE, AND SURPLUS WATER PROJECT
 REVENUE BONDS (RRWDS PROJECT) AMORTIZATION SCHEDULE**

YREND AUG 31	TAXABLE SERIES 2007B BONDS			SERIES 2017 BONDS			TOTAL REQ's
	PRINCIPAL	INTEREST	2007B TOTAL	PRINCIPAL	INTEREST	2017 TOTAL	
2020	\$120,000	\$348,904	\$468,904	\$250,000	\$251,631	\$501,631	\$970,535
2021	130,000	340,421	470,421	260,000	244,131	504,131	974,552
2022	135,000	331,230	466,230	270,000	236,331	506,331	972,561
2023	145,000	321,685	466,685	275,000	228,231	503,231	969,916
2024	155,000	311,433	466,433	290,000	217,231	507,231	973,664
2025	170,000	300,475	470,475	295,000	205,631	500,631	971,106
2026	180,000	288,456	468,456	310,000	193,831	503,831	972,287
2027	195,000	275,730	470,730	320,000	181,431	501,431	972,161
2028	205,000	261,943	466,943	330,000	168,631	498,631	965,574
2029	220,000	247,450	467,450	350,000	155,431	505,431	972,881
2030	235,000	231,896	466,896	360,000	141,431	501,431	968,327
2031	255,000	215,282	470,282	375,000	127,031	502,031	972,313
2032	270,000	197,253	467,253	395,000	112,031	507,031	974,284
2033	290,000	178,164	468,164	410,000	96,231	506,231	974,395
2034	310,000	157,661	467,661	420,000	89,931	503,931	971,592
2035	335,000	135,744	470,744	435,000	71,331	506,331	977,075
2036	355,000	112,060	467,060	445,000	58,281	503,281	970,341
2037	380,000	86,961	466,961	460,000	44,375	504,375	971,336
2038	410,000	60,095	470,095	470,000	30,000	500,000	970,095
2039	435,000	31,107	471,107	490,000	15,313	505,313	976,420
	\$4,930,000	\$4,433,950	\$9,368,950	\$7,210,000	\$2,868,465	\$10,072,465	\$19,441,415

Debt Obligations – Amortization Schedules

REGIONAL RAW WATER DELIVERY SYSTEM CONTRACT REVENUE REFUNDING BONDS, SERIES 2010 (CITY OF SAN MARCOS, TEXAS PORTION)

YR ENDING AUGUST 31	PRINCIPAL	INTEREST	TOTAL REQUIREMENTS
2020	\$500,000	\$94,518	\$594,518
2021	520,000	79,218	599,218
2022	540,000	63,318	603,318
2023	565,000	46,743	611,743
2024	585,000	29,128	614,128
2025	615,000	9,994	624,994
	<u>\$3,325,000</u>	<u>\$322,919</u>	<u>\$3,647,919</u>

** The principal and related interest are due September 1, but are paid by August 31 in the prior fiscal year*

GENERAL IMPROVEMENT REVENUE BONDS, SERIES 2015 IWPP PROJECT, SWIRF FUNDS

YEAR ENDING AUGUST 31	PRINCIPAL	INTEREST	TOTAL REQUIREMENTS
2020	\$ ---	\$ ---	\$ ---
2021	--	--	--
2022	--	--	--
2023	--	--	--
2024	145,000	58,295	203,295
2025	145,000	55,267	200,267
2026	150,000	52,080	202,080
2027	155,000	48,404	203,404
2028	160,000	44,294	204,294
2029	160,000	39,789	199,789
2030	165,000	35,096	200,096
2031	170,000	30,075	200,075
2032	180,000	24,747	204,747
2033	185,000	18,969	203,969
2034	190,000	12,916	202,916
2035	195,000	6,591	201,591
	<u>\$2,000,000</u>	<u>\$426,523</u>	<u>\$2,426,523</u>

Debt Obligations – Amortization Schedules

CONTRACT REVENUE REFUNDING BONDS, SERIES 2014 TREATED WATER DELIVERY SYSTEM (LULING TO LOCKHART PIPELINE)

YR ENDING AUGUST 31	PRINCIPAL	INTEREST	TOTAL REQUIREMENTS
2020	\$280,000	\$122,130	\$402,130
2021	290,000	112,298	402,298
2022	300,000	102,120	402,120
2023	310,000	91,598	401,598
2024	320,000	80,730	400,730
2025	335,000	69,431	404,431
2026	345,000	57,701	402,701
2027	355,000	45,626	400,626
2028	370,000	33,120	403,120
2029	380,000	20,182	400,182
2030	395,000	6,814	401,814
	<u>\$3,680,000</u>	<u>\$741,750</u>	<u>-</u>

CONTRACT REVENUE BONDS, SERIES 2016 SAN MARCOS WTP PROJECT AMORTIZATION SCHEDULE

YEAR ENDING AUGUST 31	PRINCIPAL	INTEREST	TOTAL REQUIREMENTS
2020	\$95,000	\$170,981	\$265,981
2021	100,000	169,081	269,081
2022	95,000	167,081	262,081
2023	100,000	164,231	264,231
2024	110,000	161,231	271,231
2025	110,000	158,481	268,481
2026	110,000	155,181	265,181
2027	115,000	151,881	266,881
2028	120,000	149,006	269,006
2029	120,000	146,006	266,006
2030	125,000	142,406	267,406
2031	510,000	138,656	648,656
2032	540,000	113,156	653,156
2033	570,000	86,156	656,156
2034	595,000	57,656	652,656
2035	615,000	39,063	654,063
2036	635,000	19,844	654,844
	<u>\$4,665,000</u>	<u>\$2,190,097</u>	<u>\$6,855,097</u>

Debt Obligations – Amortization Schedules

CONTRACT REVENUE BONDS, SERIES 2017 WESTERN CANYON REGIONAL WATER SUPPLY PROJECT

YEAR ENDING AUGUST 31	PRINCIPAL	INTEREST	TOTAL REQUIREMENTS
2020	\$105,000	\$132,100	\$237,100
2021	110,000	128,950	238,950
2022	110,000	125,650	235,650
2023	115,000	122,350	237,350
2024	120,000	118,900	238,900
2025	130,000	114,100	244,100
2026	135,000	108,900	243,900
2027	140,000	103,500	243,500
2028	140,000	97,900	237,900
2029	145,000	92,300	237,300
2030	155,000	86,500	241,500
2031	160,000	80,300	240,300
2032	165,000	73,900	238,900
2033	170,000	67,300	237,300
2034	460,000	60,500	520,500
2035	470,000	46,700	516,700
2036	485,000	32,013	517,013
2037	500,000	16,250	516,250
	<u>\$3,815,000</u>	<u>\$1,608,113</u>	<u>\$5,423,113</u>

Debt Obligations – Amortization Schedules

TWDB SWIRFT FUNDS - 2018 CARRIZO GROUNDWATER SUPPLY PROJECT

YR END AUG 31	2018A DEFERRED FINANCING			2018B LOW INTEREST FINANCING			2018 MASTER REPURCHASE AGREEMENT		
	PRINC	INT	TOTAL	PRINC	INT	TOTAL	PRINC	INT	TOTAL
2020	\$ --	\$ --	\$ --	\$ --	\$359,261	\$359,261	\$ --	\$1,446,369	\$1,446,369
2021	--	--	--	--	359,261	359,261	--	1,446,369	1,446,369
2022	--	--	--	--	359,261	359,261	--	1,446,369	1,446,369
2023	--	--	--	320,000	359,261	679,261	--	1,446,369	1,446,369
2024	265,000	506,714	771,714	335,000	353,213	688,213	--	1,446,369	1,446,369
2025	330,000	444,026	774,026	340,000	346,580	686,580	--	1,446,369	1,446,369
2026	335,000	435,677	770,677	345,000	339,508	684,508	--	1,446,369	1,446,369
2027	350,000	426,800	776,800	350,000	331,984	681,987	--	1,446,369	1,446,369
2028	350,000	417,175	767,175	365,000	324,077	689,077	--	1,446,369	1,446,369
2029	370,000	407,340	777,340	365,000	315,646	680,646	--	1,446,369	1,446,369
2030	375,000	396,314	771,314	375,000	306,703	681,703	--	1,446,369	1,446,369
2031	385,000	384,426	769,426	390,000	296,953	686,953	--	1,446,369	1,446,369
2032	395,000	371,529	766,529	395,000	286,228	681,228	--	1,446,369	1,446,369
2033	410,000	357,664	767,664	405,000	274,852	679,852	--	1,446,369	1,446,369
2034	425,000	342,863	767,863	420,000	262,824	682,824	--	1,446,369	1,446,369
2035	445,000	327,181	772,181	430,000	250,098	680,098	--	1,446,369	1,446,369
2036	455,000	310,449	765,449	445,000	236,811	681,811	--	1,446,369	1,446,369
2037	475,000	293,068	768,068	460,000	222,838	682,838	--	1,446,369	1,446,369
2038	490,000	274,733	764,733	475,000	208,256	683,256	--	1,446,369	1,446,369
2039	515,000	255,133	770,133	490,000	192,628	682,628	1,695,000	1,446,369	3,141,369
2040	530,000	234,790	764,790	505,000	176,752	681,752	1,760,000	1,379,417	3,139,417
2041	555,000	213,855	768,855	520,000	160,390	680,390	1,835,000	1,309,897	3,144,897
2042	575,000	191,933	766,933	535,000	143,542	678,542	1,915,000	1,237,414	3,152,414
2043	600,000	169,220	769,220	560,000	126,208	686,208	1,985,000	1,161,772	3,142,772
2044	625,000	145,520	770,520	575,000	108,064	683,064	2,070,000	1,083,364	3,153,364
2045	650,000	118,770	768,770	595,000	87,824	682,824	2,150,000	994,768	3,144,768
2046	680,000	90,950	770,950	615,000	66,880	681,880	2,245,000	902,748	3,147,748
2047	705,000	61,846	766,846	630,000	45,232	675,232	2,345,000	806,662	3,151,662
2048	740,000	31,672	771,672	655,000	23,056	678,056	2,440,000	706,296	3,146,296
2049	--	--	--	--	--	--	2,540,000	601,864	3,141,864
2050	--	--	--	--	--	--	2,655,000	492,898	3,147,898
2051	--	--	--	--	--	--	2,760,000	377,140	3,137,140
2052	--	--	--	--	--	--	2,880,000	256,804	3,136,804
2053	--	--	--	--	--	--	3,010,000	131,236	3,141,236
	<u>\$12,030,00</u>	<u>\$7,209,648</u>	<u>\$19,239,648</u>	<u>\$11,895,00</u>	<u>\$6,924,191</u>	<u>\$18,819,194</u>	<u>\$34,285,00</u>	<u>\$40,369,660</u>	<u>\$74,650,660</u>

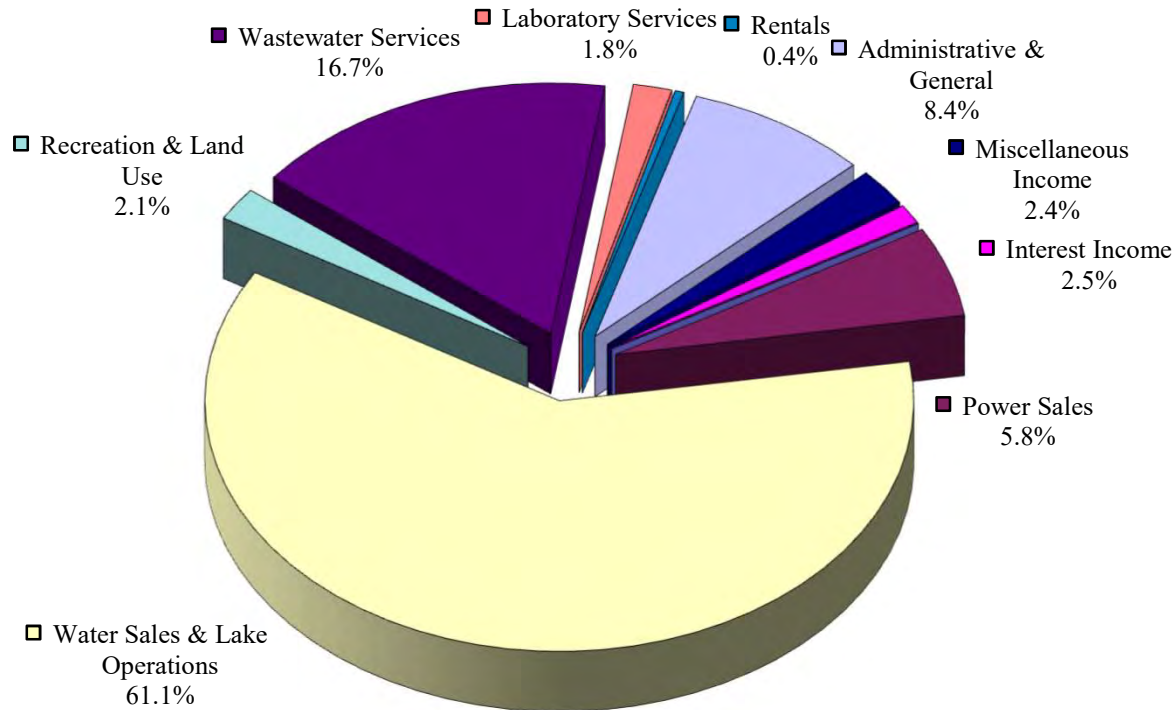


Fiscal Year 2020 Budget

flowing solutions

Budget Summary

REVENUES



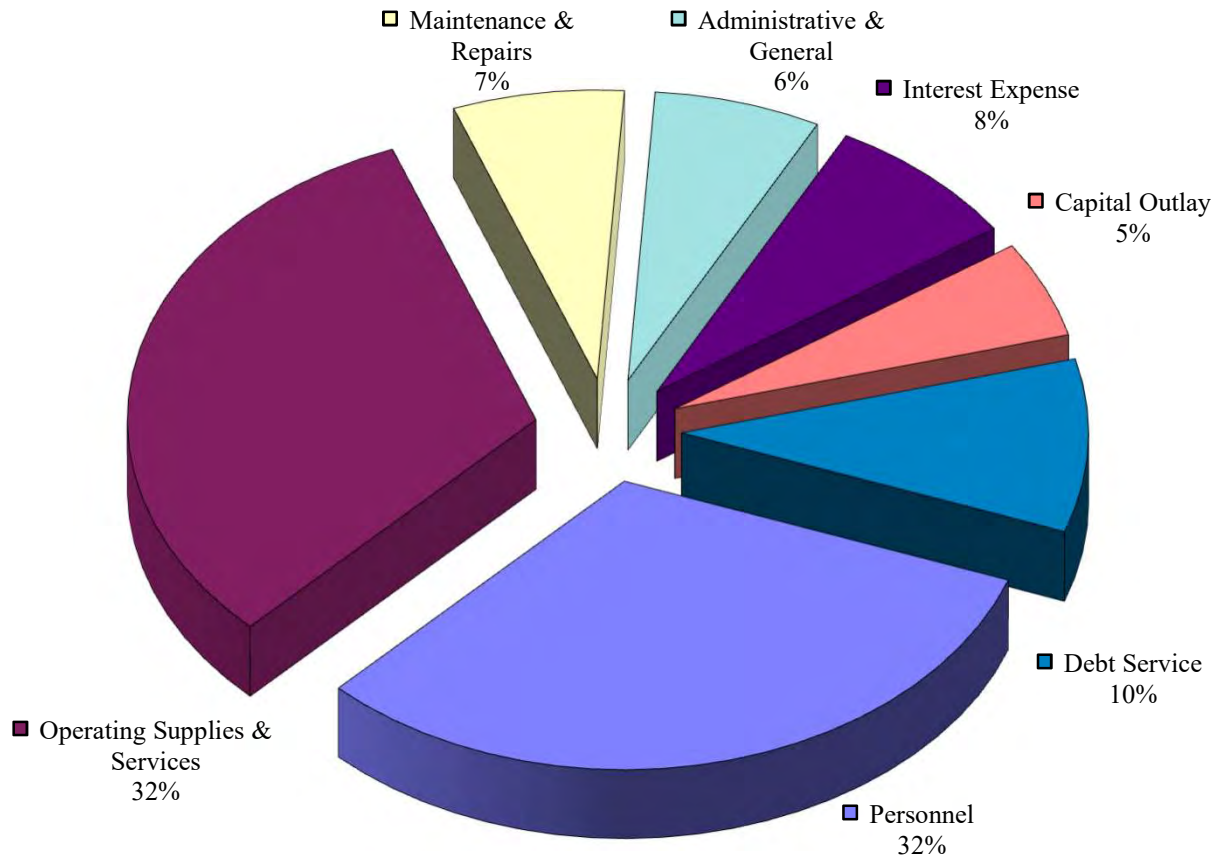
Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales	2,728,931	3,988,390	2,886,845
Water Sales & Lake Operations	27,815,674	28,113,449	30,260,074
Recreation & Land Use	847,759	967,157	1,064,424
Wastewater Services	5,689,750	7,471,670	8,300,780
Laboratory Services	1,006,168	995,222	877,800
Rentals	187,179	198,588	198,588
Administrative & General	3,169,532	3,807,231	4,158,722
Miscellaneous Income	1,296,916	1,016,489	1,192,780
Total Operating Revenue	42,741,909	46,558,196	48,940,013
Interest Income	354,018	180,050	620,025
Capacity Charge Revenue	9,073,043	9,638,460	9,697,345
O&M Pipeline Revenue	2,792,775	2,417,133	2,742,642
Pass-Through Cost Reimbursement	755,693	1,103,007	958,704
Total	55,717,438	59,896,846	62,958,729



Fiscal Year 2020 Budget *flowing solutions*

Budget Summary

EXPENSES



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	15,893,436	18,497,977	19,982,498
Operating Supplies & Services	15,235,869	17,883,921	20,103,710
Maintenance & Repairs	4,301,574	4,427,454	4,265,966
Administrative & General	3,117,874	3,807,229	4,158,722
Total Operating Expenses	38,548,753	44,616,581	48,510,896
Interest Expense	4,876,131	4,784,874	4,900,714
Capital Outlay	2,324,701	3,323,881	3,401,393
Debt Service	5,355,667	5,904,557	6,091,799
Grand Total Expenses	51,105,252	58,629,893	62,904,802

Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020

CONSOLIDATED

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET			
OPERATING REVENUES			
Water Treatment			
41101 PLANT O&M	1,028,493	1,162,632	134,139
41102 PLANT A&G	92,675	104,771	12,096
41110 PL-RAW WATER DELIVERY	101,798	107,300	5,502
41111 PL-PLANT O&M INCOME	893,115	913,282	20,167
41112 PL-PLANT A&G INCOME	108,319	99,025	(9,294)
41115 POC-RAW WATER PURCHASES	18,592	18,390	(202)
41116 POC-PLANT O&M INCOME	284,246	258,803	(25,443)
41117 POC-PLANT A&G INCOME	34,624	29,970	(4,654)
41125 RW-RAW WATER PURCHASE	17,447	19,598	2,151
41126 RW-WATER TREATMENT	161,994	197,970	35,976
41127 RW-PLANT A&G INCOME	19,664	17,972	(1,692)
41135 LULING WTP-CITY OF LOCKHART CHARGE	612,855	720,492	107,637
41137 W/S-LU/LO DELIVERY SYSTEM	149,374	209,563	60,189
Total Water Treatment	3,523,196	3,859,768	336,572
Wastewater Treatment			
41201 WW-OPR & MAINTENANCE	2,868,806	3,296,050	427,244
41202 WW-ADMINISTRATIVE & GENERAL	216,818	206,014	(10,804)
41207 WW-CREDIT TO CUSTOMER	(301,800)	(376,800)	(75,000)
Total Wastewater Treatment	2,783,824	3,125,264	341,440
Hydroelectric			
41301 POWER SALES	571,980	513,171	(58,809)
Total Hydroelectric	571,980	513,171	(58,809)
Industrial			
41401 COLETO CREEK POWER-O&M EXP	922,754	917,709	(5,045)
41402 COLETO CREEK POWER-A&G EXP	27,310	41,996	14,686
Total Industrial	950,064	959,705	9,641
Wholesale Raw Water Sales			
42101 CANYON-COLETO CREEK POWER	881,000	-	(881,000)
42102 CANYON-INEOS	161,517	165,733	4,216
42103 CANYON-PORT LAVACA WTP	197,344	269,995	72,651

		FY 2019	FY 2020	FY 2020-2019
		BUDGET	BUDGET	DIFFERENCE
42104	CANYON-CCRWSC	10,719	41,735	31,016
42105	CANYON-CITY OF SEGUIN	146,833	150,667	3,834
42106	CANYON-GONZALES COUNTY WSC	51,392	52,733	1,341
42107	CANYON-SPRINGS HILL WSC	418,475	429,400	10,925
42108	CANYON-REBECCA CREEK MUD	19,088	19,587	499
42109	CANYON-CRWA-HAYS CO, SAN MARCOS	299,246	307,059	7,813
42110	CANYON-SEADRIFT COKE	49,042	50,323	1,281
42111	CANYON-UNION CARBIDE	14,683	15,067	384
42112	CANYON-STANDARD GYPSUM	41,508	38,872	(2,636)
42113	CANYON-STRUCTURAL METALS	102,783	105,467	2,684
42114	CANYON-NEW BRAUNFELS UTILITIES	1,427,220	2,293,147	865,927
42115	CANYON-CRYSTAL CLEAR WSC	117,467	120,533	3,066
42116	CANYON-CANYON REGIONAL WATER AUTH	1,745,414	1,790,172	44,758
42117	CANYON-CANYON LAKE WSC	939,734	964,266	24,532
42118	CANYON-CITY OF SAN MARCOS	1,468,333	1,506,667	38,334
42119	CANYON-GUADALUPE POWER PARTNERS	1,004,340	1,030,560	26,220
42120	CANYON-CITY OF KYLE	799,214	820,079	20,865
42121	CANYON-GREEN VALLEY SUD	146,833	150,667	3,834
42122	CANYON-HAYS ENERGY LTD PARTNERSHIP	361,797	371,243	9,446
42123	CANYON-CITY OF FAIR OAKS	271,642	278,733	7,091
42124	CANYON-SAN ANTONIO WATER SYSTEMS	1,029,194	1,055,440	26,246
42125	CANYON-CITY OF BOERNE	530,215	544,057	13,842
42126	CANYON-GBRA-COMAL TRACE	11,747	12,053	306
42127	CANYON-SAN JOSE-PARK VILLAGE	47,280	48,515	1,235
42128	CANYON-JACQUELYN COUSER	14,683	15,067	384
42129	CANYON-BREMER RANCH, LTD	14,683	15,067	384
42130	CANYON-CITY OF BLANCO	88,100	90,400	2,300
42131	CANYON-FORESIGHT	42,582	43,693	1,111
42132	CANYON-CORDILLERA RANCH, LTD	220,250	226,000	5,750
42133	CANYON-KENDALL COUNTY/TAPATIO SPRINGS	110,125	113,000	2,875
42134	CANYON-CITY OF BUDA	246,680	253,120	6,440
42135	CANYON-DH INV-JOHNSON RANCH	132,150	135,600	3,450
42136	CANYON-GOFORTH SUD	329,347	456,068	126,721
42137	CANYON-HH RANCH PROPERTIES	36,708	37,667	959
42138	CANYON-SUNFIELD	285,297	174,623	(110,674)
42139	CANYON-MONARCH UTILITIES, LP	82,227	84,373	2,146
42140	CANYON-MIRALOMAS MUD	110,125	113,000	2,875
42141	CANYON-SMALL WATER SALES	58,482	54,157	(4,325)
42150	WOMACK-NEW BRAUNFELS UTILITIES	-	430,350	430,350
42151	CARRIZO-NEW BRAUNFELS UTILITES	-	576,000	576,000
42152	CARRIZO-CITY OF LOCKHART	-	216,000	216,000
42153	CARRIZO-GOFORTH SUD	-	288,000	288,000
42170	CANAL-PT LAVACA	101,798	107,301	5,503
42171	CANAL-RURAL WATER	17,447	18,390	943
42172	CANAL-CARBIDE	840,042	843,028	2,986

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
42173	CANAL-INEOS	230,118	233,033	2,915
42174	CANAL-SPRINKLER IRRIGATION	27,000	27,000	-
42175	CANAL-SEADRIFT COKE	25,922	25,794	(128)
42176	CANAL-CRAWFISH FARM	9,000	9,000	-
42177	CANAL-PONDS & RIGS	12,100	12,100	-
42178	CANAL-WATERFOWL	15,600	25,000	9,400
42179	CANAL-POC IDC	18,592	19,597	1,005
42180	CANAL-CATFISH FARM	8,700	-	(8,700)
42181	CANAL-OTHER	18,000	18,000	-
	Total Wholesale Raw Water Sales	15,389,818	17,293,198	1,903,380
	Wholesale Water Treatment			
42201	ANNUAL SERVICE FEE INCOME	963,308	988,420	25,112
42230	WCANYON WTP O&M	3,920,020	3,733,407	(186,613)
	Total Wholesale Water Treatment	4,883,328	4,721,827	(161,501)
	Retail Water Sales			
42301	WATER SALES	3,111,907	3,234,776	122,869
42302	WHOLESALE WATER SALES	52,500	40,000	(12,500)
42310	WATER CONNECTION FEES	173,836	120,000	(53,836)
42320	WATER MEMBERSHIP FEES	28,800	28,800	-
42340	TRANSFER FEES	-	2,000	2,000
	Total Retail Water Sales	3,367,043	3,425,576	58,533
	Retail Wastewater			
42401	WASTEWATER SERVICES	3,035,224	3,637,478	602,254
42402	SEWER CONNECTION/INSP FEES	1,395,788	1,306,050	(89,738)
42404	SERVICE CALL INCOME	26,000	8,450	(17,550)
42450	CHARGES TO DEVELOPERS	230,834	223,538	(7,296)
	Total Retail Wastewater	4,687,846	5,175,516	487,670
	Pipeline Revenue			
42501	O&M-IH35, BUDA	46,994	63,316	16,322
42502	O&M-IH35, GOFORTH	112,785	151,958	39,173
42503	O&M-IH35, KYLE	187,975	212,741	24,766
42504	O&M-IH35, MONARCH	34,287	46,195	11,908
42550	O&M-RRWDS, COSM	593,328	669,653	76,325
42551	O&M-RRWDS, BUDA	62,726	69,220	6,494
42552	O&M-RRWDS, GOFORTH	150,542	166,128	15,586
42553	O&M-GPP	564,885	631,333	66,448
42554	O&M-RRWDS, HELP	84,012	95,701	11,689
42555	O&M-RRWDS, KYLE	250,903	232,579	(18,324)
42556	O&M-RRWDS, CRWA	118,962	135,515	16,553
42557	O&M-RRWDS, MONARCH	45,765	50,503	4,738
42570	O&M-SMWTP, COSM	(804,023)	(706,847)	97,176

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
42571 O&M-SMWTP, BUDA	119,070	123,457	4,387
42572 O&M-SMWTP, GOFORTH	285,768	296,298	10,530
42573 O&M-SMWTP, KYLE	476,280	414,817	(61,463)
42574 O&M-SMWTP, MONARCH	86,874	90,075	3,201
Total Pipeline Revenue	2,417,133	2,742,642	325,509
Hydroelectric			
42701 ENERGY CHARGE	1,901,270	873,674	(1,027,596)
42702 FACILITY CHARGE	1,500,000	1,500,000	-
42703 CREDIT-RENEWALABLE ENERGY	15,140	-	(15,140)
Total Hydroelectric	3,416,410	2,373,674	(1,042,736)
Laboratory			
42801 REV-LABORATORY SERVICES	995,222	877,800	(117,422)
Total Laboratory	995,222	877,800	(117,422)
Recreation & Other Rentals			
42901 REV-FACILITY RENTAL	32,000	59,825	27,825
42902 REV-PARK ENTRY FEES	774,497	841,905	67,408
42903 REV-CONCESSIONS/STORE CHARGES	14,208	17,394	3,186
42915 REV-SPONSORSHIPS	10,752	10,250	(502)
42920 REV-HUNTING REVENUE	37,000	31,450	(5,550)
42921 REV-HYDRO HOUSE RENTALS	6,000	10,200	4,200
42922 REV-AG & LAND USE	92,700	93,400	700
Total Recreation & Other Rentals	967,157	1,064,424	97,267
Internal Transfers			
43001 REV-ADMIN & GEN CHARGES	3,807,231	4,158,722	351,491
43002 REV-BUILDING RENTAL	198,588	198,588	-
Total Internal Transfers	4,005,819	4,357,310	351,491
Operating Interest			
44101 INT-OPR CASH ACCOUNTS	38,760	100,000	61,240
44110 INT-OPR INVESTMENT FUNDS	124,000	520,025	396,025
44111 INT-INSURANCE FUND	7,900	-	(7,900)
44112 INT-WORKERS COMP FUND	1,995	-	(1,995)
44113 INT-PROPERTY RESERVE FUND	735	-	(735)
44115 INT-LU/LO OPR FUND	5,000	-	(5,000)
Total Operating Interest	178,390	620,025	441,635
Restricted Interest			
44201 INT-RESTRICTED FUNDS	1,000	-	(1,000)
44216 INT-2014 LU/LO I&S FUND	660	-	(660)
Total Restricted Interest	1,660	-	(1,660)

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
	Misc Income			
45110	HYDRO MODIFICATION PERMITS	24,000	18,000	(6,000)
45120	INSPECTION FEE INCOME-BULVERDE	-	55,000	55,000
45195	MISCELLANEOUS REVENUES	509,725	410,500	(99,225)
	Total Misc Income	533,725	483,500	(50,225)
	Pass-Through Costs			
45240	PASS-THROUGH-ELECTRIC COSTS	379,524	369,820	(9,704)
45241	PASS-THROUGH-CHEMICAL COSTS	482,181	360,869	(121,312)
45242	PASS-THROUGH-GNDWTR ELECTRIC COSTS	109,186	94,500	(14,686)
45243	PASS-THROUGH-GNDWTR CHEMICAL COSTS	17,536	18,515	979
45244	PASS-THROUGH-INSURANCE	35,300	28,000	(7,300)
45245	PASS-THROUGH-LOC	9,280	12,000	2,720
45246	PASS-THROUGH-INSPECTION	70,000	75,000	5,000
	Total Pass-Through Costs	1,103,007	958,704	(144,303)
	Grant & Interlocal Agreement Income			
45301	GRANTS-FEDERAL	308,849	307,375	(1,474)
45302	GRANTS-STATE	30,000	20,000	(10,000)
45303	GRANTS-CLEAN RIVERS PROGRAM	117,156	186,980	69,824
45320	INTERLOCAL-CONTRIBUTED BY CUSTOMERS	26,759	194,925	168,166
	Total Grant & Interlocal Agreement Income	482,764	709,280	226,516
	Total Operating Revenue	50,258,386	53,261,384	3,002,998
	OPERATING EXPENSES			
	Salaries			
51101	LBR-REGULAR WAGES	12,636,071	14,020,017	1,383,946
51102	LBR-OVERTIME	587,981	670,981	83,000
	Total Salaries	13,224,052	14,690,998	1,466,946
	Benefits			
51201	BEN-FICA/MED	990,488	1,098,000	107,512
51202	BEN-RETIREMENT	2,375,606	2,187,000	(188,606)
51203	BEN-HEALTH INSURANCE	1,749,218	1,860,000	110,782
51204	BEN-LIFE INSURANCE, LTD, AD&D	123,113	131,500	8,387
51220	BEN-OTHER BENEFIT EXP	35,500	15,000	(20,500)
	Total Benefits	5,273,925	5,291,500	17,575
	Operating Supplies & Services			
52101	OPR-POWER & UTILITIES	4,207,154	4,270,409	63,255
52102	OPR-AUXILIARY POWER EXPENSE	71,876	103,596	31,720
52103	OPR-CHEMICALS	1,605,202	1,601,589	(3,613)

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
52110	OPR-SMALL TOOLS AND SUPPLIES	107,486	95,056	(12,430)
52111	OPR-PUBLIC COMMUNICATIONS	122,500	145,000	22,500
52113	OPR-LAB SUPPLIES	373,936	268,357	(105,579)
52114	OPR-LABORATORY SERVICES-GBRA	426,061	514,744	88,683
52115	OPR-LABORATORY SERVICES-OUTSOURCED	91,285	99,031	7,746
52118	OPR-DISPOSAL SERVICES	986,852	964,208	(22,644)
52120	OPR-UNIFORMS	75,240	77,134	1,894
52121	OPR-SAFTY & EMERGENCY EXPENSE	112,091	147,179	35,088
52122	OPR-SECURITY EXPENSE	37,338	37,180	(158)
52123	OPR-EQUIPMENT RENTAL	149,363	112,610	(36,753)
52124	OPR-EQUIPMENT EXPENSE	151,808	169,619	17,811
52125	OPR-VEHICLE EXPENSE	278,364	337,876	59,512
52126	OPR-FLEET LEASE EXPENSE	106,200	96,000	(10,200)
52127	OPR-EQUIP USE CREDIT	(48,000)	-	48,000
52128	OPR-MOWING EXPENSE	89,000	81,200	(7,800)
52132	OPR-GAUGING AND MONITORING	42,000	20,760	(21,240)
52133	OPR-SCADA	105,220	259,570	154,350
52135	OPR-PROCESS/SPECIAL OPERATING	313,286	128,640	(184,646)
52145	OPR-CONTRACT LABOR	185,290	271,960	86,670
52150	OPR-WATER PURCHASES/DELIVERY	1,632,936	1,715,227	82,291
52155	OPR-TRANSMISSION CHARGES	45,000	45,000	-
	Total Operating Supplies & Services	11,267,488	11,561,945	294,457
Professional Services and Fees				
52201	OPR-PROFESSIONAL SERVICES-ENGINEERING	260,500	865,000	604,500
52202	OPR-PROFESSIONAL SERVICES-LEGAL	-	505,000	505,000
52204	OPR-PROFESSIONAL SERVICES-EMPLOYEE RELATED	227,004	183,000	(44,004)
52205	OPR-PROFESSIONAL SERVICES-OTHER	1,771,373	1,425,096	(346,277)
52210	OPR-CORPS OF ENGINEERS	850,000	850,000	-
52211	OPR-USGS MONITORING	232,864	218,620	(14,244)
52212	OPR-CARRIZO LEASE PAYMENTS	-	870,100	870,100
52214	OPR-EAA HABITAT CONSERVATION	400,000	400,000	-
52215	OPR-GUADALUPE BLANCO RIVER TRUST	-	165,000	165,000
52216	OPR-REGULATORY FEES	264,990	265,340	350
52217	OPR-INSPECTION FEES	148,874	143,521	(5,353)
52218	OPR-ACCREDITATION FEES	3,600	3,800	200
52219	OPR-CUSTOMER BILLING FEES	24,500	75,000	50,500
52220	OPR-BANK FEES	53,522	70,934	17,412
52222	OPR-MEMBERSHIPS & PUBLICATIONS	51,042	51,680	638
52223	OPR-LICENSE & TRAINING	178,431	210,394	31,963
52224	OPR-TRAVEL	166,724	169,619	2,895
	Total Professional Services and Fees	4,633,424	6,472,104	1,838,680
Office Expenses				
52301	OPR-OFFICE SUPPLIES	123,216	108,712	(14,504)

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
52302 OPR-COMPUTER & SOFTWARE EXPENSE	308,625	350,875	42,250
52304 OPR-COPY SUPPLIES AND SERVICES	30,400	50,000	19,600
52305 OPR-POSTAGE AND FREIGHT EXPENSE	18,950	31,570	12,620
52306 OPR-COMMUNICATIONS	170,688	194,506	23,818
52321 OPR-ECONOMIC DEVELOPMENT	105,000	106,500	1,500
52322 OPR-MEDIA EXPENSE	31,010	20,938	(10,072)
52323 OPR-EMPLOYEE RELATIONS	30,000	31,000	1,000
52330 OPR-OUTSOURCED PRINTING EXPENSE	49,000	37,500	(11,500)
52331 OPR-JANITORIAL SUPPLIES AND SERVICE	35,328	45,180	9,852
Total Office Expenses	902,217	976,781	74,564
Other Operating Expenses			
52401 OPR-DIRECTORS EXPENSES	55,000	35,000	(20,000)
52402 OPR-RENT EXPENSE	22,300	14,820	(7,480)
52403 OPR-BUILDING RENTAL	154,338	175,068	20,730
52404 OPR-RIGHT OF WAY	11,670	14,950	3,280
52420 OPR-INSURANCE EXPENSE	673,400	715,600	42,200
52430 OPR-MISC EXPENSE	164,084	137,442	(26,642)
Total Other Operating Expenses	1,080,792	1,092,880	12,088
SUBTOTAL OF OPERATIONAL EXPENSES	36,381,898	40,086,208	3,704,310
Maintenance and Repair Equipment			
53101 M&R-EQUIPMENT	554,792	369,092	(185,700)
53105 M&R-GENERATORS	48,576	49,796	1,220
53110 M&R-CONTROL SYSTEMS	194,326	112,836	(81,490)
53115 M&R-METERS	372,690	126,164	(246,526)
53120 M&R-BOATS	11,400	14,150	2,750
53130 M&R-HYDROELECTRIC	120,000	10,000	(110,000)
Total Maintenance and Repair Equipment	1,301,784	682,038	(619,746)
Structures			
53201 M&R-BUILDING	196,604	279,692	83,088
53202 M&R-CLEARWELLS	9,300	8,580	(720)
53205 M&R-PUMPS AND MOTORS	407,014	473,614	66,600
53210 M&R-GATES AND VALVES	81,375	78,820	(2,555)
53215 M&R-LIFTSTATIONS	45,200	83,200	38,000
53216 M&R-PUMPSTATIONS	185,800	204,600	18,800
53220 M&R-CLARIFIERS	122,810	138,000	15,190
53225 M&R-FENCES	6,000	4,000	(2,000)
53230 M&R-PIPELINES	63,680	132,680	69,000
53235 M&R-TRANSMISSION LINES	163,000	175,000	12,000
53237 M&R UV SYSTEM	-	10,000	10,000
53238 M&R-FILTERS	88,948	146,864	57,916
53240 M&R-SPILLGATES	250,480	254,740	4,260

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
53245	M&R-POWERHOUSE	151,000	171,000	20,000
53250	M&R-LAKE STRUCTURES	4,224	3,756	(468)
53251	M&R-PARK STRUCTURES	10,704	10,920	216
	Total Structures	1,786,139	2,175,466	389,327
	Other Maintenance & Repairs			
53301	M&R-ROADS	64,520	43,452	(21,068)
53302	M&R-WELLS	79,500	213,750	134,250
53305	M&R-RIGHT OF WAY	26,800	29,800	3,000
53310	M&R-GROUNDS	271,536	262,180	(9,356)
53315	M&R-CAMP AND PICNIC SITES	28,916	41,240	12,324
53320	M&R-PONDS AND LAGOONS	11,209	11,700	491
53324	M&R-REMOVE LOG JAMS	26,200	26,200	-
53325	M&R-GENERAL MAINTENANCE	731,270	689,890	(41,380)
53399	M&R-MISC EXPENSE	99,580	90,250	(9,330)
	Total Other Maintenance & Repairs	1,339,531	1,408,462	68,931
	SUBTOTAL OF M&R EXPENSES	4,427,454	4,265,966	(161,488)
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	3,807,229	4,158,722	351,493
	Total Administrative & General	3,807,229	4,158,722	351,493
	Capital Expenses			
55001	CUSTOMER-OWNED CAPITAL EXPENSE	-	4,300	4,300
	Total Capital Expenses	-	4,300	4,300
	Capital Outlay			
13201	STRUCTURES & IMPROVEMNETS	100,000	-	(100,000)
13208	SPECIALIZED OPER EQUIPMENT	-	8,000	8,000
13211	ELECTRICAL/CONTROL EQUIPMENT	60,000	-	(60,000)
13215	SHOPS & STOREROOMS	-	35,000	35,000
13217	AUTO & HEAVY EQUIPMENT	385,992	526,000	140,008
13218	OFFICE FURNITURE & EQUIP	52,000	167,800	115,800
13219	MISCELLANEOUS EQUIPMENT	201,000	353,000	152,000
	Total Capital Outlay	798,992	1,089,800	290,808
	Transfers			
61505	TRANSFERS-DESIGNATED PROJECT FUND	1,506,479	1,602,866	96,387
61510	TRANSFERS-RESTRICTED/BOND COVENANT FUND	1,071,478	724,461	(347,017)
61515	TRANSFERS-RESERVE FUND	(53,068)	(20,034)	33,034
	Total Transfers	2,524,889	2,307,293	(217,596)
	TOTAL OPERATING AND M&R EXPENSES	47,940,462	51,912,289	3,971,827

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
Net Operating Income	<u>2,317,924</u>	<u>1,349,095</u>	<u>(968,829)</u>

DEBT SERVICE BUDGET

Capacity Charge Revenue

41119	POC-DEBT SERVICE	35,081	35,081	-
41129	RW-DEBT SERVICE	26,207	26,207	-
41131	DEBT SERVICE-LU/LO PROJECT	405,913	407,158	1,245
41133	DEBT COVER-LU/LO PROJECT	40,591	40,716	125
41138	PLANT DEBT SERVICE	161,479	215,306	53,827
42601	DEBT SERV-RRWDS, COSM	662,220	667,721	5,501
42602	DEBT SERV-RRWDS, BUDA	103,985	103,985	-
42603	DEBT SERV-RRWDS, GOFORTH	170,518	239,878	69,360
42604	DEBT SERV-RRWDS, KYLE	337,928	337,928	-
42605	DEBT SERV-RRWDS, MONARCH	34,962	34,962	-
42606	DEBT SERV-RRWDS, SUNFIELD	171,705	102,338	(69,367)
42607	DEBT SERV-RRWDS, CRWA	138,847	138,847	-
42608	DEBT SERV-RRWDS, HELP	152,632	152,632	-
42640	DEBT SERV-2013 IH35, BUDA	167,523	167,523	-
42641	DEBT SERV-2013 IH35, GOFORTH	274,738	386,672	111,934
42642	DEBT SERV-2013 IH35, KYLE	542,775	542,775	-
42643	DEBT SERV-2013 IH35, MONARCH	55,841	55,841	-
42644	DEBT SERV-2013 IH35, SUNFIELD	276,971	165,038	(111,933)
42655	DEBT SERV-2013 WCANYON, BREMER	9,501	9,501	-
42656	DEBT SERV-2013 WCANYON, BOERNE	463,154	617,539	154,385
42657	DEBT SERV-2013 WCANYON, CLWSC	342,972	342,972	-
42658	DEBT SERV-2013 WCANYON, COMAL TRACE	35,627	35,627	-
42659	DEBT SERV-2013 WCANYON, CORDILLERA RANCH	201,888	201,888	-
42660	DEBT SERV-2013 WCANYON, COUSER	9,501	9,501	-
42661	DEBT SERV-2013 WCANYON, FAIR OAKS	447,478	447,478	-
42662	DEBT SERV-2013 WCANYON, JOHNSON RANCH	142,509	142,509	-
42663	DEBT SERV-2013 WCANYON, MIRALOMAS	106,882	106,882	-
42664	DEBT SERV-2013 WCANYON, SAWS	3,465,819	3,311,434	(154,385)
42665	DEBT SERV-2013 WCANYON, KENDALL WEST	95,006	95,006	-
42670	DEBT SERV-2016 SMWTP, BUDA	37,458	37,228	(230)
42671	DEBT SERV-2016 SMWTP, GOFORTH	61,431	85,930	24,499
42672	DEBT SERV-2016 SMWTP, KYLE	121,364	120,620	(744)
42673	DEBT SERV-2016 SMWTP, MONARCH	12,486	12,409	(77)
42674	DEBT SERV-2016 SMWTP, SUNFIELD	61,931	36,676	(25,255)
42680	DEBT SERV-2017 TTHM, BOERNE	22,942	30,589	7,647
42681	DEBT SERV-2017 TTHM, BREMER	471	471	-
42682	DEBT SERV-2017 TTHM, CLWSC	16,989	16,989	-

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
42683	DEBT SERV-2017 TTHM, COMAL TRACE	1,765	1,765	-
42684	DEBT SERV-2017 TTHM, COUSER	471	471	-
42685	DEBT SERV-2017 TTHM, FAIR OAKS	22,871	22,871	-
42686	DEBT SERV-2017 TTHM, GBRA CORDILLERA	10,000	10,000	-
42687	DEBT SERV-2017 TTHM, JOHNSON RANCH	7,059	7,059	-
42688	DEBT SERV-2017 TTHM, KENDALL WEST	4,706	4,706	-
42689	DEBT SERV-2017 TTHM, MIRALOMAS	5,294	5,294	-
42690	DEBT SERV-2017 TTHM, SAWS	170,969	163,322	(7,647)
	Total Capacity Charge Revenue	9,638,460	9,697,345	58,885
12532	I/F LOAN PAID-DUNLAP	500,000	500,000	-
24201	I/F LOAN-GENERAL	(500,000)	(500,000)	-
	Total Debt Revenue	9,638,460	9,697,345	58,885
	Principal Payments Expense			
21101	LOAN-1977 CORP OF ENGINEERS	257,746	264,190	6,444
21103	LOAN-2006 WTR RIGHTS, Luling Foundation	21,612	-	(21,612)
21104	LOAN-2006 WTR RIGHTS, Ussery	12,696	-	(12,696)
21105	LOAN-2008 CLEARWELL, Frost	54,190	54,190	-
21106	LOAN-2012 DUNLAP EXP, Regions	110,000	115,000	5,000
21107	LOAN-2014 GENERATOR, Regions	7,015	-	(7,015)
21108	LOAN-2014 GENERATOR, Regions	7,866	-	(7,866)
21109	LOAN-2016 GENERATOR, Regions	8,760	9,067	307
21110	LOAN-2016 PRESS/TRUCK, WFargo	36,824	38,114	1,290
21150	LOAN-BUDGET PRINCIPAL	249,515	274,989	25,474
21201	BOND-2007 RRWDS	113,333	123,333	10,000
21202	BOND-2010 RRWDS	500,000	520,000	20,000
21203	BOND-2011 GEN IMP	546,667	567,083	20,416
21204	BOND-2012 MID-BASIN	225,000	225,000	-
21205	BOND-2013 IH35	602,083	626,250	24,167
21206	BOND-2013 WCANYON	2,429,583	2,532,917	103,334
21207	BOND-2014 LULO PIPELINE	275,000	285,833	10,833
21209	BOND-2016 SMWTP	95,000	95,417	417
21211	BOND-2017 RRWDS	246,667	253,333	6,666
21212	BOND-2017 WCANYON AERATION	105,000	107,083	2,083
	Total Principal Payments Expense	5,904,557	6,091,799	187,242
	Interest Expense			
57101	INT-LONG TERM LOANS	68,559	64,546	(4,013)
57102	INT-CLEARWELL, Frost	7,098	7,098	-
57103	INT-LULO BONDS	130,913	121,325	(9,588)
57201	INT-1977 CANYON COE	51,145	44,701	(6,444)
57202	INT-2006 WATER RIGHTS	26,492	-	(26,492)
57203	INT-2007 RRWDS	353,735	345,723	(8,012)

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
57204 INT-2010 RRWDS	102,018	87,019	(14,999)
57205 INT-2011 GEN IMP BONDS	280,890	259,023	(21,867)
57206 INT-2012 MID-BASIN BONDS	37,239	36,524	(715)
57207 INT-2013 IH35 BONDS	599,332	570,659	(28,673)
57208 INT-2013 WCANYON BONDS	2,410,023	2,305,663	(104,360)
57209 INT-2014 DUNLAP, Generator	2,729	2,422	(307)
57210 INT-2016 SMWTP	172,724	170,824	(1,900)
57211 INT-2016 PRESS/TRUCK, WFargo	11,473	10,182	(1,291)
57212 INT-2017 RRWDS	254,898	249,131	(5,767)
57214 INT-2017 WCANYON AERATION	133,325	130,788	(2,537)
57215 INT-2018 CARRIZO GROUNDWATER, TWDB	-	359,261	359,261
57250 INT-BUDGET LOAN EXPENSE	142,281	135,825	(6,456)
Total Interest Expense	4,784,874	4,900,714	115,840
 Total Debt Expense	 10,689,431	 10,992,513	 303,082
 Net Change in Debt Service Budget	 (1,050,971)	 (1,295,168)	 (244,197)
 Net Change in Fund Balance	 1,266,953	 53,927	 (1,213,026)

GBRA Consolidated - Capital Outlay Expense

Division	Description	FY 2020
Capital Outlay Funded From Current Revenues		
010	4X4 1/2 Ton Truck-Collection System Staff	\$ 35,000
010	4X4 1/2 Ton Truck-Pipeline Maintenance Staff	\$ 35,000
010	Hydro Jetter-WW Collection Systems	\$ 225,000
010	New Firewalls (NB Office)	\$ 12,000
010	Replace RM Scanner (EOL)	\$ 2,800
010	SAN Storage Array (NB Office)	\$ 25,000
010	Lightning Mitigation (Seguin Office)	\$ 10,000
010	Sewer Video System	\$ 100,000
010	Scanner for Records Management	\$ 3,000
010	Truck-Scada Technician	\$ 35,000
010	Truck for Electrical/ Instr. Tech Supervisor	\$ 35,000
010	UTV with bed	\$ 20,000
010	Virtualization Host Servers (NB Office)	\$ 15,000
021	Carport for Work Barge and Inspection Boat	\$ 15,000
021	Cargo Trailer	\$ 15,000
021	3 Replacement Trucks	\$ 90,000
021	Skid Steer with Attachments	\$ 110,000
030	Sludge Drying Box	\$ 38,000
041	BOD Incubator	\$ 4,000
041	Replacement Kubota U45 Trackhoe	\$ 65,000
041	Replacement Refrigerator	\$ 4,000
041	Side by Side ATV	\$ 35,000
050	Metal Storage Building	\$ 35,000
050	Replacement Truck	\$ 28,000
050	Remotely Operated Submersible Vehicle	\$ 8,000
050	Truck	\$ 28,000
057	Sludge Drying Box	\$ 41,500
059	Office Building	\$ 3,500
059	Scada	\$ 7,000
070	Replacement Zero Turn Mower	\$ 10,000
Total Capital Outlay Expense		\$ 1,089,800

GBRA Consolidated - Designated Project Fund

Division	Project Description		FY 2020
Projects Funded From Current Revenues			
010	Asset Management Program	\$	325,000
033	Dunlap WWTP & Collection System Improvements	\$	625,000
041	FM 110 Relocate-North	\$	172,560
070	CCRWS Distribution & Meter System Improvements	\$	265,000
100	Emergency Generator (\$550,000, financed over 3 yrs)	\$	215,306
Total Designated Project Fund		\$	1,602,866



General Division

The General Division office, located in Seguin, is home to the departments listed below. These departments furnish administrative, technical and support services to GBRA operating divisions under the direction of the General Manager. General Division revenues are derived from investments in eligible securities, and administrative and general charges to operating divisions.

Finance and Administration is responsible for the preparation of GBRA's annual budget and five-year financial plan, financial reserves and debt service, investments, capital assets, procurement and risk management. It also provides accounts payable, receivable and payroll functions, human resource services, information technology support for all GBRA divisions, and coordinates GBRA's Industrial Development Corporation which provides low-interest loans to outside entities.

Engineering conducts hydrology and flow monitoring studies, assists with water and wastewater plant design services and process evaluation, monitors basin rainfall conditions including surface run-off for streams, rivers, lakes, and groundwater in the Guadalupe River Basin; coordinates with the National Weather Service River Forecast Center in Fort Worth; and provides assistance to emergency management coordinators and local officials during severe weather events.

Project Development coordinates project planning including contracts for services, permits, rights of way and special projects, and maintains contact with interested parties for water and wastewater projects; work with homeowner and land associations to enhance current lake management and flood response programs, and communicate these procedures to new residents and governmental entities. Project Engineering provides management oversight for the design, review and inspection services for GBRA facilities construction and installation.

Public Communications and Education develops and implements communications strategies to ensure that GBRA's mission, projects, services and initiatives are explained clearly and consistently. The goal is to foster a productive, mutually beneficial relationship between GBRA and the residents, businesses and schools in the Guadalupe River Basin, provide useful information through publications, news releases, and educational programs, and encourage public involvement in the river authority's decision-making process.

Business Development and Resource Management creates partnerships to support community and economic development; encourages stewardship of water resources and environmental protection; and builds relationships with community leaders to promote awareness of GBRA services, expand existing business activities and develop new opportunities.

General Division

Operating Plan for Fiscal Year Ending 8/31/20

BACKGROUND

The General Division of GBRA provides administrative, technical, and support services to each of GBRA's operating divisions. Within this broad effort, the Division provides such services as accounting, finance, cash management, risk management, budgeting, information technology, human resources, project planning and public communication & education.

The General Division employs 41 employees who work within GBRA's Seguin business office. These employees work under the supervision of the General Manager/CEO.

REVENUE SOURCES AND TRENDS

The General Division receives its revenue from administrative & general charges to GBRA's operating divisions. These charges represent a reimbursement of costs the General Division incurs in providing the support services discussed above and for FY 2020 is estimated at \$4,158,722. The remainder of the Division's revenue is from interest on investments in the amount of \$120,000.

The total revenue budgeted for the General Division in FY 2020 is \$443,961, or 11.5%, more than the previous year, with no change to the administrative rate charged to the various GBRA divisions. This amount is calculated based on the amount each division budgeted for labor costs in FY 2020.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

The work plan for FY 2020 includes a projected 23.9% increase in total budgeted operating and maintenance expenditures from FY 2019 budget. The increase is primarily a result of budgeted capital outlay and project costs related to the ongoing implementation of an asset management program recommended by the Sunset Commission and software & related equipment for better management of pipelines.

The largest single cost component of the Division budget is personnel costs at \$1,762,782. Five additional FTE's were added to the FY 2020 budget to assist with support of operational divisions. Other significant expenditures in FY 2020 are for professional fees at \$549,496 and computer supplies of \$188,325.

FUND BALANCE

Funds for the above operating expenditures will be received from the administrative charges that the General Division bills to GBRA's operating divisions, construction projects and development projects.

In summary, budgeted revenue less operating and capital expenditures will result in the Division's fund balance decreasing from operating activities by \$393,204. When including a budgeted repayment of \$500,000 from an interfund loan from the Rural Utilities Division, the net change in fund balance is expected to be \$106,796.



Staffing Summary

General	# of Authorized Positions (FTE)		
	2018	2019	2020
General Manager/CEO	1	1	1
Senior Deputy General Manager	1	1	1
Deputy General Manager	1	1	1
Senior Advisor to the General Manager	1	1	2
General Counsel	1	1	1
Executive Manager of Administration	1	1	1
Executive Manager of Finance/CFO	1	1	1
Assistant General Counsel	2	2	2
Deputy CFO-Accounting & Purchasing	1	1	1
Deputy CFO-Finance & Administration	1	1	1
Director of Government Relations	---	---	1
Accounting Manager	1	1	1
Communication Manager	1	1	1
Human Resources Manager	1	1	1
IT Manager	1	1	1
Purchasing Manager	1	1	1
Safety & Risk Manager	---	1	1
Executive Assistant to the General Counsel	1	1	1
Executive Assistant to the General Manager	1	1	1
GIS Administrator	1	1	1
Grant Writer/Administrator	1	1	1
Web/Application Developer	1	1	1
SCADA Administrator/Tech	1	2	2
Environmental Education Administrator	1	1	1
Environmental Education Specialist	1	1	1
Communications Specialist	1	1	1
Human Resources Specialist	1	1	1
Records Manager	1	1	1
Accountant	---	---	3
Accounting Assistant	3	3	1
Accounting Clerk	1	1	---
Records Assistant	1	1	1
Customer Service Assistant	2	2	2
Help Desk Technician	---	---	1
Director of Regulatory & Customer Affairs	---	---	1
Finance Staff	---	---	1
Total	34	36	41

Changes from FY 2018 to FY 2019

- 1-Safety Officer position was added.
- 1-SCADA Tech position was added.

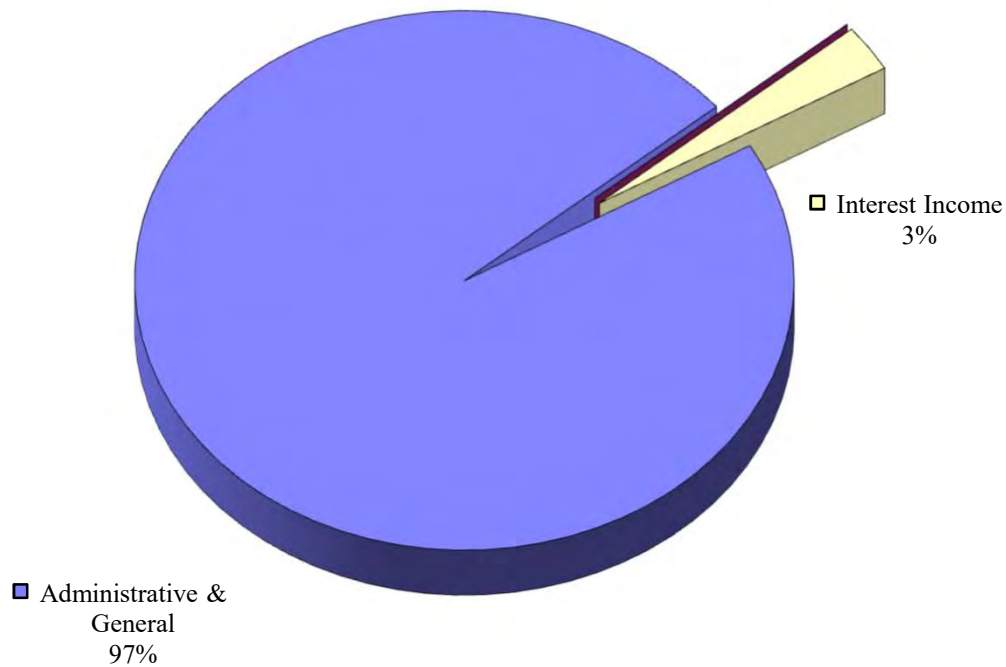
Changes from FY 2019 to FY 2020

- 1-Senior Advisor to the GM was moved from 041-Water Sales.
- 1-Help Desk Technician position was added.
- 1-Director of Government Relations was added.
- 1-Director of Regulatory & Customer Affairs was added.
- 1-Finance Staff was added.



Budget Summary

REVENUES - General

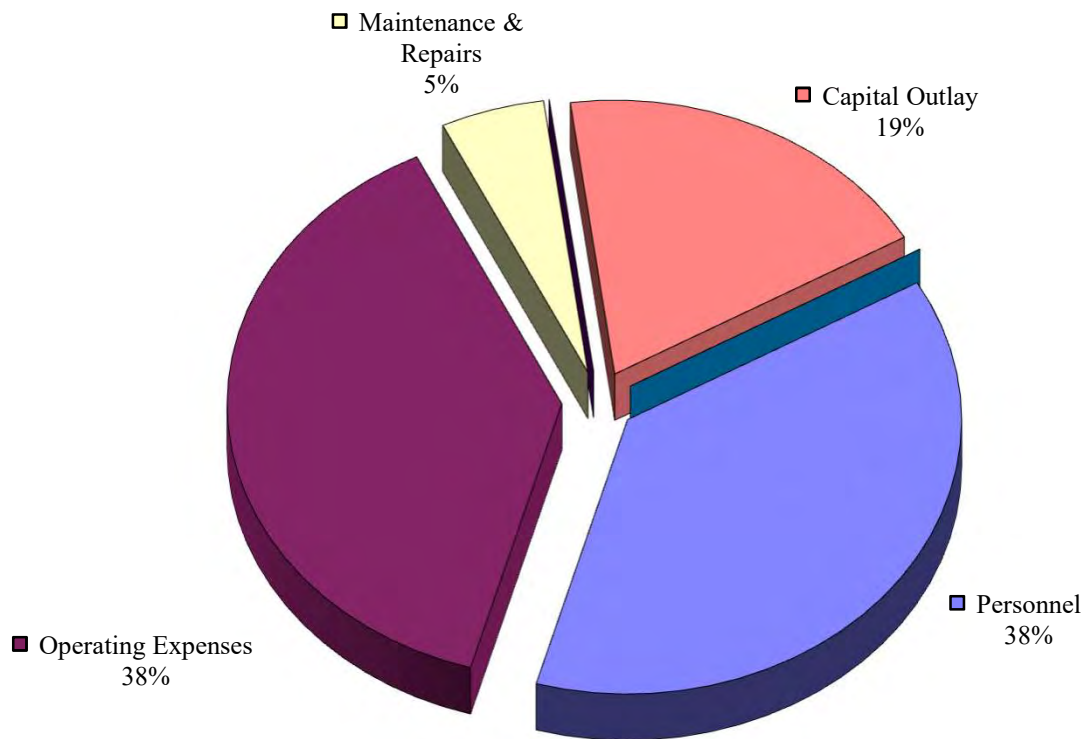


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services			
Laboratory Services			
Rentals			
Administrative & General	3,163,069	3,807,231	4,158,722
Miscellaneous Income	1,940		
Total Operating Revenue	3,165,009	3,807,231	4,158,722
Interest Income	40,660	27,530	120,000
I/F Loan Repayments from Operation		500,000	500,000
Grand Total Revenues	3,205,669	4,334,761	4,778,722



Budget Summary

EXPENSES - General



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	2,078,377	1,761,415	1,762,782
Operating Expenses	1,047,627	1,405,533	1,796,844
Maintenance & Repairs	127,759	259,000	234,500
Administrative & General			
Total Operating Expenses	3,253,763	3,425,948	3,794,126
Interest Expense			
Capital Outlay	84,244	342,000	877,800
Debt Service			
I/F Loans Made to Operations			
Grand Total Expenses	3,338,007	3,767,948	4,671,926

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020**

010 - General

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET			
OPERATING REVENUES			
Internal Transfers			
43001 REV-ADMIN & GEN CHARGES	3,807,231	4,158,722	351,491
Total Internal Transfers	3,807,231	4,158,722	351,491
Operating Interest			
44101 INT-OPR CASH ACCOUNTS	900	100,000	99,100
44110 INT-OPR INVESTMENT FUNDS	16,000	20,000	4,000
44111 INT-INSURANCE FUND	7,900	-	(7,900)
44112 INT-WORKERS COMP FUND	1,995	-	(1,995)
44113 INT-PROPERTY RESERVE FUND	735	-	(735)
Total Operating Interest	27,530	120,000	92,470
Total Operating Revenue	3,834,761	4,278,722	443,961
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	1,305,508	1,723,227	417,719
51102 LBR-OVERTIME	6,400	-	(6,400)
Total Salaries	1,311,908	1,723,227	411,319
Benefits			
51201 BEN-FICA/MED	990,488	1,098,000	107,512
51202 BEN-RETIREMENT	2,375,606	2,187,000	(188,606)
51203 BEN-HEALTH INSURANCE	1,749,218	1,860,000	110,782
51204 BEN-LIFE INSURANCE, LTD, AD&D	123,113	131,500	8,387
51220 BEN-OTHER BENEFIT EXP	35,500	15,000	(20,500)
51298 BEN-BENEFIT ALLOCATION	(4,824,418)	(5,251,945)	(427,527)
Total Benefits	449,507	39,555	(409,952)
Operating Supplies & Services			
52101 OPR-POWER & UTILITIES	90,000	90,000	-
52110 OPR-SMALL TOOLS AND SUPPLIES	-	1,000	1,000

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
52111	OPR-PUBLIC COMMUNICATIONS	17,500	17,500	-
52118	OPR-DISPOSAL SERVICES	1,560	1,560	-
52120	OPR-UNIFORMS	6,000	3,000	(3,000)
52121	OPR-SAFETY & EMERGENCY EXPENSE	2,000	26,175	24,175
52122	OPR-SECURITY EXPENSE	10,000	10,000	-
52124	OPR-EQUIPMENT EXPENSE	-	700	700
52125	OPR-VEHICLE EXPENSE	25,000	55,000	30,000
52127	OPR-EQUIP USE CREDIT	(48,000)	-	48,000
52135	OPR-PROCESS/SPECIAL OPERATING	80,000	70,000	(10,000)
52145	OPR-CONTRACT LABOR	2,500	-	(2,500)
	Total Operating Supplies & Services	186,560	274,935	88,375
	Professional Services and Fees			
52204	OPR-PROFESSIONAL SERVICES-EMPLOYEE RELATED	227,004	183,000	(44,004)
52205	OPR-PROFESSIONAL SERVICES-OTHER	271,862	366,496	94,634
52215	OPR-GUADALUPE BLANCO RIVER TRUST	-	165,000	165,000
52220	OPR-BANK FEES	7,000	30,000	23,000
52222	OPR-MEMBERSHIPS & PUBLICATIONS	17,500	27,920	10,420
52223	OPR-LICENSE & TRAINING	58,600	73,400	14,800
52224	OPR-TRAVEL	29,800	52,500	22,700
	Total Professional Services and Fees	611,766	898,316	286,550
	Office Expenses			
52301	OPR-OFFICE SUPPLIES	27,000	22,500	(4,500)
52302	OPR-COMPUTER SUPPLIES	172,325	188,325	16,000
52304	OPR-COPY SUPPLIES AND SERVICES	23,000	25,000	2,000
52305	OPR-POSTAGE AND FREIGHT EXPENSE	10,000	8,640	(1,360)
52306	OPR-COMMUNICATIONS	52,500	69,392	16,892
52322	OPR-MEDIA EXPENSE	15,000	7,000	(8,000)
52323	OPR-EMPLOYEE RELATIONS	30,000	30,000	-
52330	OPR-OUTSOURCED PRINTING EXPENSE	28,500	28,500	-
52331	OPR-JANITORIAL SUPPLIES AND SERVICE	20,000	20,000	-
	Total Office Expenses	378,325	399,357	21,032
	Other Operating Expenses			
52401	OPR-DIRECTORS EXPENSES	55,000	35,000	(20,000)
52403	OPR-BUILDING RENTAL	124,482	125,736	1,254
52420	OPR-INSURANCE EXPENSE	39,400	43,500	4,100
52430	OPR-MISC EXPENSE	10,000	20,000	10,000
	Total Other Operating Expenses	228,882	224,236	(4,646)
	SUBTOTAL OF OPERATIONAL EXPENSES	3,166,948	3,559,626	392,678
	Maintenance and Repair Equipment			
53101	M&R-EQUIPMENT	33,000	-	(33,000)

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
	Total Maintenance and Repair Equipment	33,000	-	(33,000)
	Structures			
53201	M&R-BUILDING	85,000	92,500	7,500
	Total Structures	85,000	92,500	7,500
	Other Maintenance & Repairs			
53310	M&R-GROUNDS	140,000	140,000	-
53399	M&R-MISC EXPENSE	1,000	2,000	1,000
	Total Other Maintenance & Repairs	141,000	142,000	1,000
	SUBTOTAL OF M&R EXPENSES	259,000	234,500	(24,500)
	Capital Outlay			
13217	AUTO & HEAVY EQUIPMENT	40,000	160,000	120,000
13218	OFFICE FURNITURE & EQUIP	52,000	167,800	115,800
13219	MISCELLANEOUS EQUIPMENT	-	225,000	225,000
	Total Capital Outlay	92,000	552,800	460,800
	Transfers			
61505	TRANSFERS-DESIGNATED PROJECT FUND	250,000	325,000	75,000
	Total Transfers	250,000	325,000	75,000
	TOTAL OPERATING AND M&R EXPENSES	3,767,948	4,671,926	903,978
	Net Operating Income	66,813	(393,204)	(460,017)
DEBT SERVICE BUDGET				
	Internal Loan Revenue			
12532	I/F LOAN PAID-DUNLAP	500,000	500,000	-
	Total Internal Loan Revenue	500,000	500,000	-
	Total Debt Revenue	500,000	500,000	-
	Net Change in Debt Service Budget	500,000	500,000	-
	Net Change in Fund Balance	566,813	106,796	(460,017)

General Division - Capital Outlay Expense

Description	FY 2020	
Capital Outlay Funded From Current Revenues		
4X4 1/2 Ton Truck-Collection System Staff	\$	35,000
4X4 1/2 Ton Truck-Pipeline Maintenance Staff	\$	35,000
Hydro Jetter-WW Collection Systems	\$	225,000
New Firewalls (NB Office)	\$	12,000
Replace RM Scanner (EOL)	\$	2,800
SAN Storage Array (NB Office)	\$	25,000
Lightning Mitigation (Seguin Office)	\$	10,000
Sewer Video System	\$	100,000
Scanner for Records Management	\$	3,000
Truck-Scada Technician	\$	35,000
Truck for Electrical/ Instr. Tech Supervisor	\$	35,000
UTV with bed	\$	20,000
Virtualization Host Servers (NB Office)	\$	15,000
Total General Capital Outlay Expense	\$	552,800


General Division - Designated Project Fund

Project Description	FY 2020
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Projects Funded From Current Revenues

Asset Management Program	\$	325,000
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Total General Designated Project Fund	\$	325,000
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H4 Dam, Suspension
Bridge and Spillhouse

Guadalupe Valley Hydroelectric

This division operates six hydroelectric plants located in Guadalupe and Gonzales counties that generate electricity for the Guadalupe Valley Electric Cooperative (GVEC). Using state of the art technology, including a microwave communication system, Seguin Control Room personnel are able to continuously monitor and operate all six hydro plants. The six hydroelectric dams are located at Lake Dunlap, Lake McQueeney, Lake Placid and Lake Nolte in Guadalupe County and at Lakes H-4 (Lake Gonzales) and H-5 (Lake Wood) in Gonzales County.

GBRA Purchase Date: 1963 (purchased hydro plants from the Texas Power Corporation and the Texas Hydro-Electric Corporation).

In addition to providing maintenance and operating functions for both the Guadalupe Valley Hydroelectric Division and the Canyon Hydroelectric Division, division employees also:

Monitor changing weather conditions and river flows for operation of dams during high rainfall events.
Furnish rainfall data to GBRA staff and local emergency management coordinators.
Provide electrical, steel fabrication, equipment repair and technical support services to other divisions.
Offer a variety of public service programs including a controlled canal environment for EMS dive and rescue training.

-
- | | |
|--|------------------------------------|
| • Service Provided: Hydroelectric Generation | • Average Kwh Produced: 62,225,000 |
| • Location: Guadalupe/Gonzales Counties | • # of Current Employees: 19 |
| • Startup Operation Date: 1928-1932 | • Budgeted Revenue: \$2,399,074 |
| • Customer: Guadalupe Valley Electric Coop | |
| • Plant Capacity: 16 MW | |

Guadalupe Valley Hydroelectric Division

Operating Plan for Fiscal Year Ending 8/31/20

BACKGROUND

The Guadalupe Valley Hydroelectric Division (GVHD) operates six low-head hydroelectric plants in Guadalupe and Gonzales Counties. All electricity produced by the Division is delivered to the Guadalupe Valley Electric Cooperative (GVEC). Additionally, the Division operates the Guadalupe Recreation System and two Raw Water Delivery Systems that are recognized by GBRA as a part of the Water Resource Division and will be discussed with that operating plan.

The 25 budgeted employees of Guadalupe Valley Hydroelectric Division (GVHD) are subdivided into three work groups consisting of the maintenance team, electrical/instrumentation technicians, and control room operators. Their common objective is the safe and efficient operation and maintenance of the Division's facilities. The Division Manager has overall responsibility to manage the Division while the General Division provides administrative assistance. It is through the combined efforts of these personnel that operation and maintenance is accomplished on the six generating plants, six dams, two electric substations, two canals, 22 miles of transmission lines, two raw water delivery systems and nine miles of road.

REVENUE SOURCES AND TRENDS

The GVHD is a run-of-the-river system and its production is considered non-firm power since the amount of river flow available for generation is uncertain from one year to the next.

Currently, the income from power generation for the GVHD consists of two parts, a monthly fixed charge of \$125,000 and an energy charge of \$0.0314 per kilowatt-hour (kWh) of electricity generated. The benefit of the two-part rate structure is that during low flow periods some amount of income for the Division can be maintained. The Division's budgeted power sales revenue of \$2,373,674 for FY 2020 is was reduced significantly from previous years due to the recent failures of spillgates located at Lake Wood and Lake Dunlap. While the historical annual generation for the system is 62,225,000 kWh, due the inability to generate electricity at Lake Wood and Lake Dunlap, estimated production for FY 2020 is 27,824,000 kWh. The aggregate rate including the fixed charge and assuming "normal" river flow conditions will be 8.53¢ per kWh.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

The work plan for FY 2020 includes annual inspections of the Francis type turbines located at the Dunlap, McQueeney and Nolte power plants. Each of these inspections will take approximately two weeks. Quarterly inspections of the Kaplan type turbines at TP-4 and H-4 will take one to two days for each plant. Turbine inspections are critical for the continued reliability and for maximum performance of the generating plants. Transmission lines, circuit breakers, transformers, protective relays, and generators will also be inspected and tested in accordance with the preventive maintenance program to assure electrical integrity. All of these work items are included within the total FY 2020 operating and maintenance budget of \$3,396,527.

Significant maintenance expenses and capital additions for the ensuing Fiscal Year include:

- Purchase skid steer loader with attachments - \$110,000
- Replace three trucks - \$90,000
- Purchase material for an automated spill gate intake cleaner - \$13,000.
- Replace hook stick switches in electrical substations - \$35,000

- Trim trees along transmission line right-of-way - \$15,000.
- Transmission line maintenance - \$25,000.
- Service and load tests emergency generators - \$15,000.
- Purchase an auto racking device for GE vacuum breakers - \$11,000.

FUND BALANCE

Hydroelectric power sales are insufficient to cover expenses of the operation which will generate a deficit and negative cash flow.



Staffing Summary

GV Hydroelectric	# of Authorized Positions (FTE)		
	2018	2019	2020
Senior Deputy Division Manager - Hydroelectric & Rural Utilities	---	1	---
Deputy Division Manager - Hydroelectric & Rural Utilities	1	1	1
Maintenance Supervisor	2	2	2
Electrical/Instrumentation Technician	3	3	---
Purchasing & Inventory Coordinator	1	1	1
Control Room Operator	4	4	4
Heavy Equipment Operator	1	1	1
Plant Attendant	1	1	1
Maintenance Crew	9	10	9
Total	22	24	19

Changes from FY 2018 to FY 2019

- 1-Senior Deputy Division Manager was added.
- 1-Maintenance Crew positions were added.

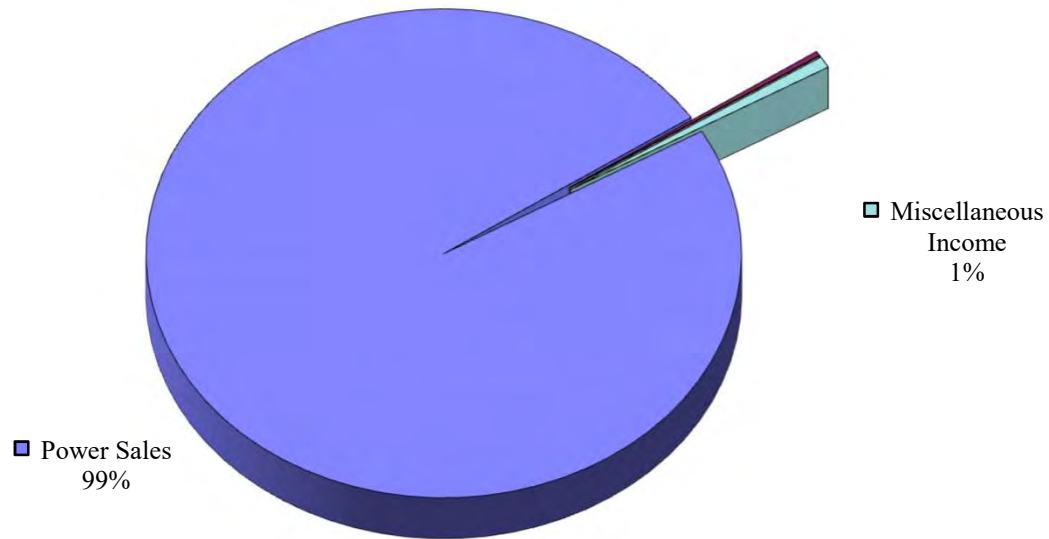
Changes from FY 2019 to FY 2020

- 1-Senior Deputy Division Manager was removed.
- 3-Electrical/Instrumentation Technicians were moved to 041-Water Sales.
- 1-Maintenance Crew position was removed.



Budget Summary

REVENUES - Guadalupe Valley Hydroelectric

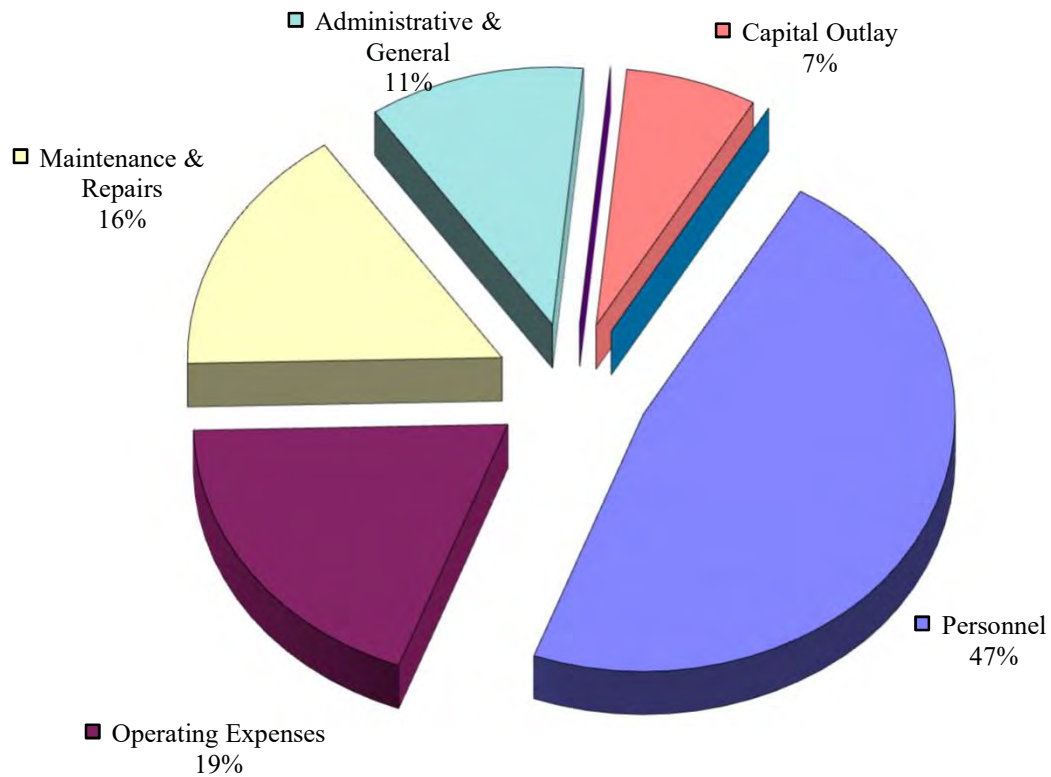


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales	2,445,953	3,416,410	2,373,674
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services			
Laboratory Services			
Rentals	10,362	7,400	7,400
Administrative & General			
Miscellaneous Income	92,705	24,000	18,000
Total Operating Revenue	2,549,020	3,447,810	2,399,074
Interest Income			
Grand Total Revenues	2,549,020	3,447,810	2,399,074



Budget Summary

EXPENSES - Guadalupe Valley Hydroelectric



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	1,783,946	2,029,481	1,607,147
Operating Expenses	437,959	647,200	644,900
Maintenance & Repairs	1,511,959	633,000	537,000
Administrative & General	416,666	476,675	377,480
Total Operating Expenses	4,150,530	3,786,356	3,166,527
Interest Expense			
Capital Outlay		23,000	230,000
Debt Service			
Grand Total Expenses	4,150,530	3,809,356	3,396,527

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020**

021 - Guadalupe Valley Hydroelectric

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET			
OPERATING REVENUES			
Hydroelectric			
42701 ENERGY CHARGE	1,901,270	873,674	(1,027,596)
42702 FACILITY CHARGE	1,500,000	1,500,000	-
42703 CREDIT-RENEWALABLE ENERGY	15,140	-	(15,140)
Total Hydroelectric	3,416,410	2,373,674	(1,042,736)
Recreation & Other Rentals			
42921 REV-HYDRO HOUSE RENTALS	6,000	6,000	-
42922 REV-AG & LAND USE	1,400	1,400	-
Total Recreation & Other Rentals	7,400	7,400	-
Misc Income			
45110 HYDRO MODIFICATION PERMITS	24,000	18,000	(6,000)
Total Misc Income	24,000	18,000	(6,000)
Total Operating Revenue	3,447,810	2,399,074	(1,048,736)
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	1,368,158	1,046,863	(321,295)
51102 LBR-OVERTIME	76,312	97,014	20,702
Total Salaries	1,444,470	1,143,877	(300,593)
Benefits			
51298 BEN-BENEFIT ALLOCATION	585,011	463,270	(121,741)
Total Benefits	585,011	463,270	(121,741)
Operating Supplies & Services			
52101 OPR-POWER & UTILITIES	25,000	30,000	5,000
52102 OPR-AUXILIARY POWER EXPENSE	1,000	1,000	-
52110 OPR-SMALL TOOLS AND SUPPLIES	10,000	20,000	10,000
52120 OPR-UNIFORMS	16,000	16,000	-

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
52121 OPR-SAFETY & EMERGENCY EXPENSE	38,000	35,000	(3,000)
52124 OPR-EQUIPMENT EXPENSE	28,000	20,000	(8,000)
52125 OPR-VEHICLE EXPENSE	65,000	65,000	-
52126 OPR-FLEET LEASE EXPENSE	43,200	28,800	(14,400)
52128 OPR-MOWING EXPENSE	65,000	65,000	-
52133 OPR-SCADA	15,000	15,000	-
52135 OPR-PROCESS/SPECIAL OPERATING	16,000	16,000	-
Total Operating Supplies & Services	322,200	311,800	(10,400)
Professional Services and Fees			
52201 OPR-PROFESSIONAL SERVICES-ENGINEERING	-	55,000	55,000
52202 OPR-PROFESSIONAL SERVICES-LEGAL	-	5,000	5,000
52205 OPR-PROFESSIONAL SERVICES-OTHER	69,000	10,000	(59,000)
52222 OPR-MEMBERSHIPS & PUBLICATIONS	100	1,000	900
52223 OPR-LICENSE & TRAINING	19,000	15,000	(4,000)
52224 OPR-TRAVEL	2,000	2,000	-
Total Professional Services and Fees	90,100	88,000	(2,100)
Office Expenses			
52301 OPR-OFFICE SUPPLIES	3,000	3,000	-
52302 OPR-COMPUTER SUPPLIES	20,000	10,700	(9,300)
52305 OPR-POSTAGE AND FREIGHT EXPENSE	-	200	200
52306 OPR-COMMUNICATIONS	8,000	10,000	2,000
52331 OPR-JANITORIAL SUPPLIES AND SERVICE	7,000	5,000	(2,000)
Total Office Expenses	38,000	28,900	(9,100)
Other Operating Expenses			
52403 OPR-BUILDING RENTAL	16,200	16,200	-
52420 OPR-INSURANCE EXPENSE	145,700	165,000	19,300
52430 OPR-MISC EXPENSE	35,000	35,000	-
Total Other Operating Expenses	196,900	216,200	19,300
SUBTOTAL OF OPERATIONAL EXPENSES	2,676,681	2,252,047	(424,634)
Maintenance and Repair Equipment			
53101 M&R-EQUIPMENT	-	5,000	5,000
53105 M&R-GENERATORS	-	2,000	2,000
53120 M&R-BOATS	-	2,000	2,000
53130 M&R-HYDROELECTRIC	110,000	-	(110,000)
Total Maintenance and Repair Equipment	110,000	9,000	(101,000)
Structures			
53201 M&R-BUILDING	12,000	12,000	-
53235 M&R-TRANSMISSION LINES	110,000	110,000	-
53240 M&R-SPILLGATES	241,000	241,000	-

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
53245	M&R-POWERHOUSE	130,000	130,000	-
	Total Structures	493,000	493,000	-
	Other Maintenance & Repairs			
53325	M&R-GENERAL MAINTENANCE	10,000	20,000	10,000
53399	M&R-MISC EXPENSE	20,000	15,000	(5,000)
	Total Other Maintenance & Repairs	30,000	35,000	5,000
	SUBTOTAL OF M&R EXPENSES	633,000	537,000	(96,000)
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	476,675	377,480	(99,195)
	Total Administrative & General	476,675	377,480	(99,195)
	Capital Outlay			
13217	AUTO & HEAVY EQUIPMENT	-	200,000	200,000
13219	MISCELLANEOUS EQUIPMENT	23,000	30,000	7,000
	Total Capital Outlay	23,000	230,000	207,000
	TOTAL OPERATING AND M&R EXPENSES	3,809,356	3,396,527	(412,829)
	Net Operating Income	(361,546)	(997,453)	(635,907)
	Net Change in Fund Balance	(361,546)	(997,453)	(635,907)

Guadalupe Valley Hydroelectric Division - Capital Outlay Expense

Description	FY 2020
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Capital Outlay Funded From Current Revenues

3 Replacement Trucks	\$	90,000
Carport for Work Barge and Inspection Boat	\$	15,000
Cargo Trailer	\$	15,000
Skid Steer with Attachments	\$	110,000
<hr/> Total GV Hydro Capital Outlay Expense		<hr/> \$ 230,000



Shadow Creek WWTP

Operated under contract with the North Hays County Municipal Utility District #1, the Shadow Creek Wastewater System provides wastewater service to the Shadow Creek Subdivision located in north Hays County. The wastewater plant is designed to treat 372,000 gallons per day and includes two treatment trains, each containing two aeration basins, one clarifier, and a sludge holding tank. An automated bar screen, cloth disk filters, and an emergency generator were added during the 2017 plant expansion. Phosphorus removal is accomplished by the addition of aluminum sulfate to the aeration basin. Operators are also responsible for a wastewater collection system that includes three lift stations.

The system is served by a staff of 5 employees who also operate wastewater treatment plants in the City of Buda and the Sunfield Municipal Utility District.

-
- Service Provided: Wastewater treatment
 - Service Area: Hays County
 - # of Gallons Treated: 76,650,000

- Startup Operation Date: January 1, 2006
- # of Current Employees: 4
- Budgeted Revenue: \$766,008

Rural Utilities Division

Shadow Creek Wastewater Reclamation Facility System

Operating Plan for Fiscal Year Ending 8/31/20

BACKGROUND

The following Work Plan and Budget for the Shadow Creek System is based on the treatment of an estimated sewage flow of 76.65 million gallons per year or 0.210 million gallons per day. This estimated flow represents a 4.0% year-over-year increase above the Fiscal Year 2019 flow estimate.

GBRA assumed operations of the Shadow Creek Wastewater Reclamation Facility, which consists of retail wastewater collection and treatment of domestic sewage on January 1, 2006. Five operators divide their time between the Shadow Creek, Buda, and Sunfield wastewater treatment facilities. The Chief Operator of the Shadow Creek Wastewater Reclamation Facility supervises the System. Serving as facilitator to the team will be the Hays/Caldwell Division Manager. In addition, some contract labor and support from other GBRA Divisions are included in the form of electrical, preventive maintenance, supervision, engineering, purchasing, laboratory, and administrative functions. GBRA's budget forecast includes all payroll and benefit expenses. In this work plan, the Shadow Creek System will continue to be managed by existing GBRA professionals located in Seguin.

REVENUE SOURCES AND TRENDS

The contract between the North Hays County Municipal Utility District #1 (MUD) and GBRA provides that GBRA operate the plant and associated facilities and transmit monthly utility bills to customers of the system. The monthly wastewater service fee charged to each residential customer is budgeted to remain at the same \$36.00/month as has been the case since Fiscal Year 2012. The contract also provides that GBRA will bill the District for any cost of operating the plant and collection system not recovered from the customers.

This work plan is based upon a 12-month FY 2020 budget year and the treatment of 76,650,000 gallons. The budgeted FY 2020 revenue for the Shadow Creek System is \$766,008.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

The total operating expenditure budget for FY 2020 amounts to \$701,132.

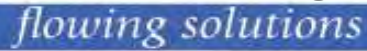
Significant operating and maintenance expenses are power costs of \$72,000, biosolids disposal of \$40,000, lab supplies and expenses of \$24,000, and customer billing fees of \$22,000 to be paid to Goforth Special Utility District for collection of monthly sewer bills from customers.

A capital outlay of \$38,000 is included for the purchase of a new 25 cubic yard drying box for the processing of biosolids.

With the exception of property insurance, GBRA is responsible for insurance and risk management and this budget has accordingly included \$5,000 for insurance. The budget also includes the standard administration and general cost percentage charged to all operating divisions of GBRA, which for the Shadow Creek System amounts to \$65,179 for FY 2020.

FUND BALANCE

Funds for the above listed maintenance projects as well as all of the other operating expenditures that are summarized in the following pages will be provided from revenues from the customers of the system. The net change in the fund balance that GBRA anticipates in the Shadow Creek System is \$64,876.



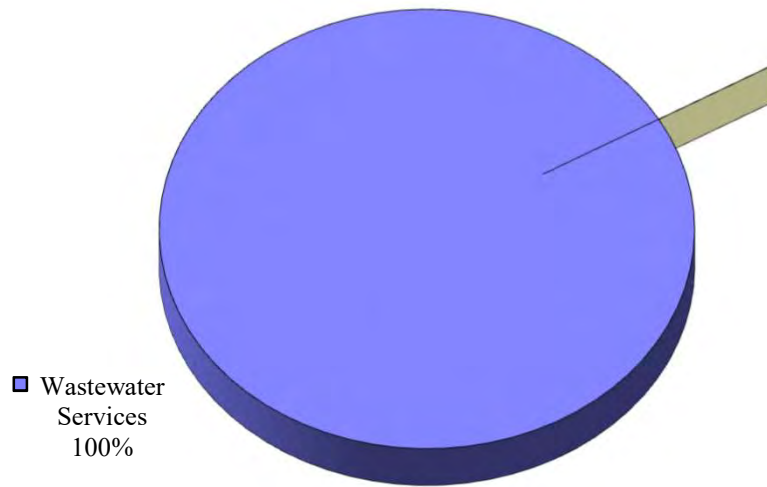
Shadow Creek WWTP	# of Authorized Positions (FTE)		
	2018	2019	2020
Chief Operator	1	1	1
Operator	1	3	3
Total	2	4	4

These employees are part of the Shadow Creek WWTP system and are shared between the Sunfield WWTP and the Buda WWTP.



Budget Summary

REVENUES - Shadow Creek WWTP

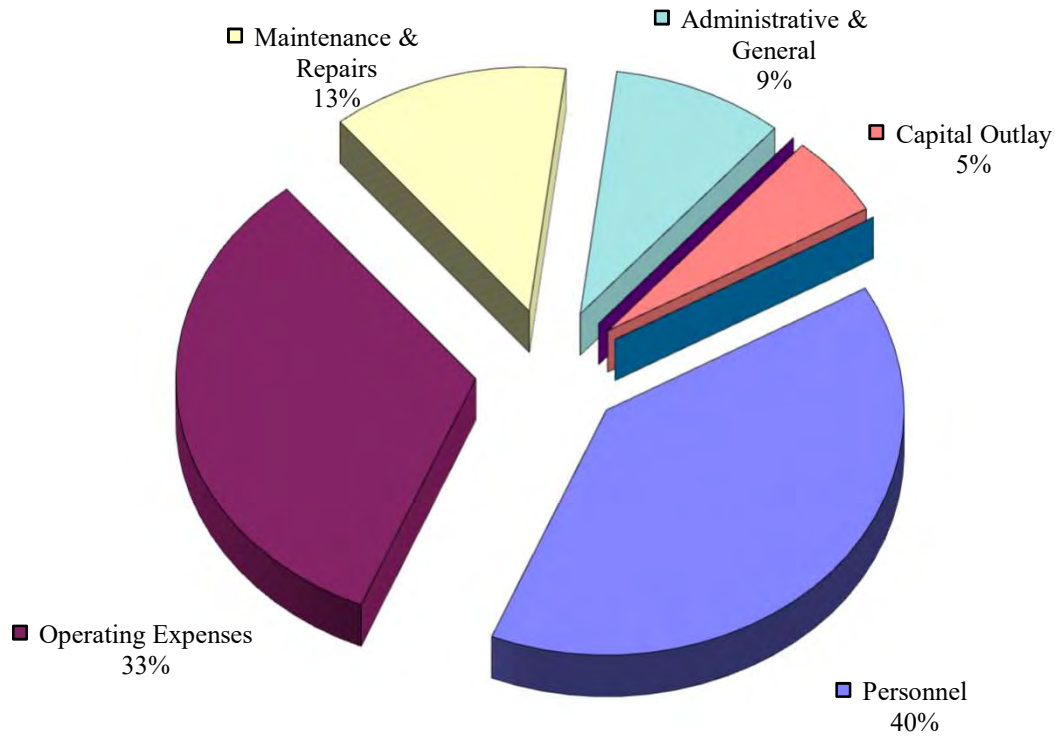


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services	656,283	705,012	766,008
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	14,520		
Total Operating Revenue	670,803	705,012	766,008
Interest Income	119	2,400	
Grand Total Revenues	670,922	707,412	766,008



Budget Summary

EXPENSES - Shadow Creek WWTP



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	141,399	207,989	277,503
Operating Expenses	175,415	237,916	230,550
Maintenance & Repairs	71,638	84,020	89,900
Administrative & General	32,153	48,851	65,179
Total Operating Expenses	420,605	578,776	663,132
Interest Expense			
Capital Outlay		35,000	38,000
Debt Service			
Grand Total Expenses	420,605	613,776	701,132

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020**

**030 - Shadow Creek WWTP
Department ***

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET				
OPERATING REVENUES				
Retail Wastewater				
42401	WASTEWATER SERVICES	700,512	761,208	60,696
42402	SEWER CONNECTION/INSP FEES	4,500	4,800	300
	Total Retail Wastewater	705,012	766,008	60,996
Misc Income				
45195	MISCELLANEOUS REVENUES	2,400	-	(2,400)
	Total Misc Income	2,400	-	(2,400)
	Total Operating Revenue	<u>707,412</u>	<u>766,008</u>	<u>58,596</u>
OPERATING EXPENSES				
Salaries				
51101	LBR-REGULAR WAGES	138,430	183,302	44,872
51102	LBR-OVERTIME	9,605	14,209	4,604
	Total Salaries	148,035	197,511	49,476
Benefits				
51298	BEN-BENEFIT ALLOCATION	59,954	79,992	20,038
	Total Benefits	59,954	79,992	20,038
Operating Supplies & Services				
52101	OPR-POWER & UTILITIES	72,900	72,000	(900)
52102	OPR-AUXILIARY POWER EXPENSE	-	5,000	5,000
52103	OPR-CHEMICALS	15,200	15,200	-
52110	OPR-SMALL TOOLS AND SUPPLIES	500	600	100
52113	OPR-LAB SUPPLIES	4,500	4,500	-
52114	OPR-LABORATORY SERVICES-GBRA	19,500	19,500	-
52118	OPR-DISPOSAL SERVICES	45,500	40,000	(5,500)
52120	OPR-UNIFORMS	1,050	2,500	1,450
52121	OPR-SAFETY & EMERGENCY EXPENSE	1,500	2,000	500
52123	OPR-EQUIPMENT RENTAL	21,926	12,900	(9,026)

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
52124 OPR-EQUIPMENT EXPENSE	650	2,600	1,950
52125 OPR-VEHICLE EXPENSE	5,000	5,000	-
52126 OPR-FLEET LEASE EXPENSE	1,200	1,200	-
52133 OPR-SCADA	-	2,800	2,800
Total Operating Supplies & Services	189,426	185,800	(3,626)
Professional Services and Fees			
52205 OPR-PROFESSIONAL SERVICES-OTHER	8,300	5,000	(3,300)
52217 OPR-INSPECTION FEES	1,850	1,300	(550)
52219 OPR-CUSTOMER BILLING FEES	24,500	22,000	(2,500)
52222 OPR-MEMBERSHIPS & PUBLICATIONS	180	400	220
52223 OPR-LICENSE & TRAINING	2,160	2,600	440
52224 OPR-TRAVEL	600	2,000	1,400
Total Professional Services and Fees	37,590	33,300	(4,290)
Office Expenses			
52301 OPR-OFFICE SUPPLIES	300	400	100
52302 OPR-COMPUTER SUPPLIES	600	1,350	750
52306 OPR-COMMUNICATIONS	3,300	3,500	200
Total Office Expenses	4,200	5,250	1,050
Other Operating Expenses			
52403 OPR-BUILDING RENTAL	900	900	-
52420 OPR-INSURANCE EXPENSE	5,500	5,000	(500)
52430 OPR-MISC EXPENSE	300	300	-
Total Other Operating Expenses	6,700	6,200	(500)
SUBTOTAL OF OPERATIONAL EXPENSES	445,905	508,053	62,148
Maintenance and Repair Equipment			
53101 M&R-EQUIPMENT	3,600	5,000	1,400
53105 M&R-GENERATORS	5,000	-	(5,000)
53110 M&R-CONTROL SYSTEMS	12,000	12,000	-
53115 M&R-METERS	980	900	(80)
Total Maintenance and Repair Equipment	21,580	17,900	(3,680)
Structures			
53201 M&R-BUILDING	1,100	2,000	900
53205 M&R-PUMPS AND MOTORS	27,500	27,000	(500)
53210 M&R-GATES AND VALVES	6,000	6,000	-
53215 M&R-LIFTSTATIONS	12,000	12,000	-
53220 M&R-CLARIFIERS	800	800	-
53238 M&R-FILTERS	-	5,000	5,000
Total Structures	47,400	52,800	5,400

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
	Other Maintenance & Repairs			
53301	M&R-ROADS	200	-	(200)
53310	M&R-GROUNDS	2,600	3,500	900
53325	M&R-GENERAL MAINTENANCE	11,500	15,000	3,500
53399	M&R-MISC EXPENSE	740	700	(40)
	Total Other Maintenance & Repairs	15,040	19,200	4,160
	SUBTOTAL OF M&R EXPENSES	84,020	89,900	5,880
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	48,851	65,179	16,328
	Total Administrative & General	48,851	65,179	16,328
	Capital Outlay			
13219	MISCELLANEOUS EQUIPMENT	-	38,000	38,000
61103	EQUIPMENT EXPENSE	35,000	-	(35,000)
	Total Capital Outlay	35,000	38,000	3,000
	TOTAL OPERATING AND M&R EXPENSES	613,776	701,132	87,356
	Net Operating Income	93,636	64,876	(28,760)
	Net Change in Fund Balance	93,636	64,876	(28,760)

Shadow Creek WWTP System - Capital Outlay Expense

Description	FY 2020
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Capital Outlay Funded From Current Revenues

Sludge Drying Box	\$	38,000
Total Shadow Creek WWTP Capital Outlay Expense	\$	38,000



Canyon Park WWTP

Canyon Park Estates Waste Water Treatment Plant

The Canyon Park Estates Wastewater Reclamation System serves the Canyon Park subdivision, Northlake development, Windjammer Condominiums, Laguna Park Development, Inc., Canyon Vista Condominiums, Chateau Breeze subdivision, and Hill Country Resort Condominiums. The plant was expanded in FY 2011 to accommodate additional customers.

Canyon Park WWTP is part of the Rural Utilities Division and is served by a staff of 7 FTE. These employees operate the Canyon Park, Dunlap and Northcliffe Wastewater Treatment Plants.

-
- | | |
|--|-----------------------------------|
| • Service Provided: Wastewater treatment | • Service Area: Comal County |
| • Location: Canyon Lake, Texas | • Permitted Capacity: 180,000 GPD |
| • Startup Date: September 24, 1974 | • Budgeted Revenue: \$483,216 |

Rural Utilities Division

Canyon Park Wastewater Treatment Plant System

Operating Plan for Fiscal Year Ending 8/31/20

BACKGROUND

The Rural Utilities Division is responsible for operating three wastewater reclamation systems that include Canyon Park Estates, Dunlap and Northcliffe.

The three wastewater treatment plants named above range in treatment capacity from a high of 950,000 gallons per day (gpd) at the Dunlap Plant to a low of 180,000 gpd at Canyon Park Estates. All of the plants use an extended air activated sludge treatment process.

The Canyon Park Estates Wastewater Reclamation facility is permitted by the Texas Commission on Environmental Quality to dispose of treated domestic wastewater effluent at a daily average flow not to exceed 180,000 gallons per day.

REVENUE SOURCES AND TRENDS

Revenues are obtained through connection and service fees from customers of the Canyon Park Estates wastewater treatment plant. The total FY 2020 service fee revenue for the plant is projected to be \$438,216. This is an increase of 7% over the current budget and is due to an increase in the number of customers served as well as a \$5.00 per month/sewer service fee increase. This monthly fee increase represents a 10% change and it is required to help pay the operating and capital costs of a growing service area.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

The following Work Plan and Budget describes the operations and maintenance to be performed during FY 2020 at the Canyon Park Estates plant. The objective of the Work Plan and Budget is to keep the wastewater plant operating in a manner necessary to ensure that the quality of effluent meets or exceeds all permit requirements and is suitable for municipal, agricultural and industrial supplies, as well as recreational uses and aquatic life. The Work Plan and Budget also will provide employees the training necessary for continued improvement and professional development.

Since the utility plant is relatively small, full-time personnel are not required in order to maintain operations. Five licensed employees, including four operators and a chief operator, provide operation and maintenance of the system on a daily basis. Additional manpower and equipment required for maintenance and technical services are transferred as needed from other operating divisions of GBRA. The Division Manager provides supervision of the division.

In an effort to provide advanced training and maintain Texas Commission on Environmental Quality wastewater licenses for all division employees, operating personnel will attend courses provided by approved sources such as Texas Engineering Extension Service and Texas Water Utility Association. Personnel will also attend electrical safety, first aid, CPR, hazard communications and team training.

Significant operation and maintenance expenses for the ensuing Fiscal Year include:

1. Removal of bio-solids (sludge) from the plant and delivery to the bio-solids application site and the construction of a hand rail around the biosolids box pad - \$8,000.
2. Interdivision fees associated with the use of the mobile biosolids press - \$9,701.

FUND BALANCE

Funds for the above listed capital additions and maintenance projects as well as all of the other operating expenditures that are summarized in the following pages will be provided from revenues from customer billings. The fund balance for the Canyon Park Estates System is \$6,550.



Rural Utilities WWTPs	# of Authorized Positions (FTE)		
	2018	2019	2020
Chief Operator	1	1	1
Operator	4.5	5	6
Total	5.5	6	7

1/2-Biosolids Operator position was removed.
1-Operator position was added.

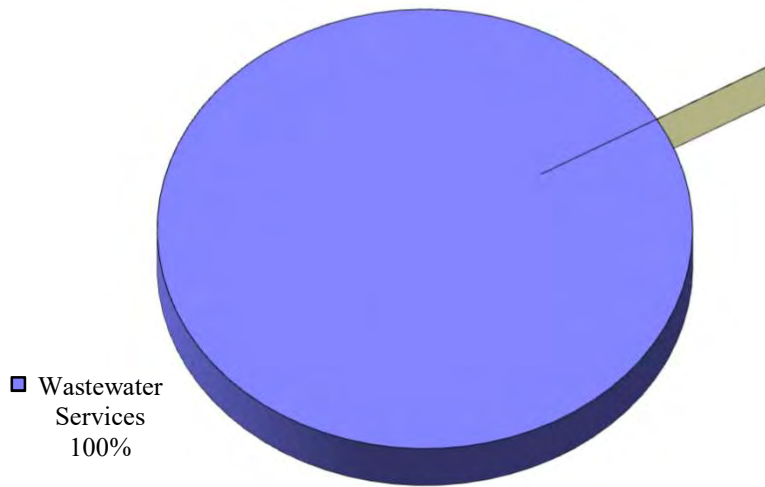
1-Belt Press Operator position was added.

These employees are part of the Rural Utilities WWTP systems and are shared between the Canyon Park WWTP, Dunlap WWTP and the Northcliffe WWTP.



Budget Summary

REVENUES - Canyon Park WWTP

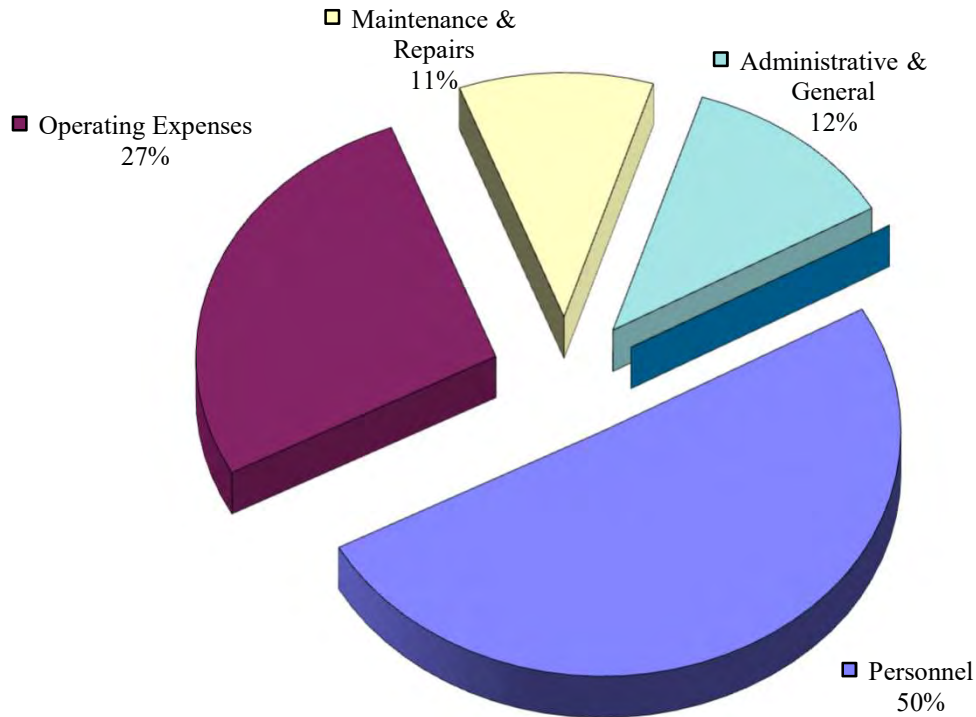


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services	366,443	455,400	483,216
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	812		
Total Operating Revenue	367,255	455,400	483,216
Interest Income	119		
Grand Total Revenues	367,374	455,400	483,216



Budget Summary

EXPENSES - Canyon Park WWTP



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	145,068	199,575	240,445
Operating Expenses	100,601	153,576	129,746
Maintenance & Repairs	19,161	44,000	50,000
Administrative & General	34,103	46,875	56,475
Total Operating Expenses	298,933	444,026	476,666
Interest Expense	339	121	
Capital Outlay			
Debt Service	6,797	7,015	
Grand Total Expenses	306,069	451,162	476,666

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020**

**032 - Canyon Park WWTP
Department ***

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET				
OPERATING REVENUES				
Retail Wastewater				
42401	WASTEWATER SERVICES	410,400	438,216	27,816
42402	SEWER CONNECTION/INSP FEES	45,000	45,000	-
	Total Retail Wastewater	455,400	483,216	27,816
	Total Operating Revenue	455,400	483,216	27,816
OPERATING EXPENSES				
Salaries				
51101	LBR-REGULAR WAGES	134,562	161,453	26,891
51102	LBR-OVERTIME	7,484	9,682	2,198
	Total Salaries	142,046	171,135	29,089
Benefits				
51298	BEN-BENEFIT ALLOCATION	57,529	69,310	11,781
	Total Benefits	57,529	69,310	11,781
Operating Supplies & Services				
52101	OPR-POWER & UTILITIES	25,000	20,000	(5,000)
52102	OPR-AUXILIARY POWER EXPENSE	3,000	1,000	(2,000)
52103	OPR-CHEMICALS	12,000	14,000	2,000
52110	OPR-SMALL TOOLS AND SUPPLIES	1,000	1,000	-
52113	OPR-LAB SUPPLIES	10,000	3,000	(7,000)
52114	OPR-LABORATORY SERVICES-GBRA	10,000	16,000	6,000
52118	OPR-DISPOSAL SERVICES	9,000	8,000	(1,000)
52120	OPR-UNIFORMS	700	1,000	300
52121	OPR-SAFETY & EMERGENCY EXPENSE	1,500	3,000	1,500
52123	OPR-EQUIPMENT RENTAL	22,052	10,000	(12,052)
52124	OPR-EQUIPMENT EXPENSE	1,000	1,000	-
52125	OPR-VEHICLE EXPENSE	7,500	7,500	-
52126	OPR-FLEET LEASE EXPENSE	14,400	9,600	(4,800)
52133	OPR-SCADA	8,000	2,500	(5,500)

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
Total Operating Supplies & Services	125,152	97,600	(27,552)
Professional Services and Fees			
52205 OPR-PROFESSIONAL SERVICES-OTHER	1,500	1,000	(500)
52217 OPR-INSPECTION FEES	3,500	4,000	500
52220 OPR-BANK FEES	-	960	960
52222 OPR-MEMBERSHIPS & PUBLICATIONS	100	400	300
52223 OPR-LICENSE & TRAINING	1,500	2,000	500
52224 OPR-TRAVEL	400	400	-
Total Professional Services and Fees	7,000	8,760	1,760
Office Expenses			
52301 OPR-OFFICE SUPPLIES	2,000	250	(1,750)
52302 OPR-COMPUTER SUPPLIES	2,100	1,800	(300)
52305 OPR-POSTAGE AND FREIGHT EXPENSE	-	100	100
52306 OPR-COMMUNICATIONS	500	2,000	1,500
Total Office Expenses	4,600	4,150	(450)
Other Operating Expenses			
52403 OPR-BUILDING RENTAL	1,824	2,736	912
52420 OPR-INSURANCE EXPENSE	11,000	13,500	2,500
52430 OPR-MISC EXPENSE	4,000	3,000	(1,000)
Total Other Operating Expenses	16,824	19,236	2,412
SUBTOTAL OF OPERATIONAL EXPENSES	353,151	370,191	17,040
Maintenance and Repair Equipment			
53101 M&R-EQUIPMENT	14,000	5,000	(9,000)
53105 M&R-GENERATORS	2,000	2,000	-
53110 M&R-CONTROL SYSTEMS	2,000	1,000	(1,000)
Total Maintenance and Repair Equipment	18,000	8,000	(10,000)
Structures			
53201 M&R-BUILDING	1,000	2,000	1,000
53205 M&R-PUMPS AND MOTORS	6,000	20,000	14,000
53210 M&R-GATES AND VALVES	1,000	4,000	3,000
53215 M&R-LIFTSTATIONS	4,000	3,000	(1,000)
53220 M&R-CLARIFIERS	1,000	1,000	-
Total Structures	13,000	30,000	17,000
Other Maintenance & Repairs			
53325 M&R-GENERAL MAINTENANCE	10,000	10,000	-
53399 M&R-MISC EXPENSE	3,000	2,000	(1,000)
Total Other Maintenance & Repairs	13,000	12,000	(1,000)

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
	SUBTOTAL OF M&R EXPENSES	<u>44,000</u>	<u>50,000</u>	<u>6,000</u>
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	<u>46,875</u>	<u>56,475</u>	<u>9,600</u>
	Total Administrative & General	<u>46,875</u>	<u>56,475</u>	<u>9,600</u>
	TOTAL OPERATING AND M&R EXPENSES	<u>444,026</u>	<u>476,666</u>	<u>32,640</u>
	Net Operating Income	<u>11,374</u>	<u>6,550</u>	<u>(4,824)</u>

DEBT SERVICE BUDGET

	Principal Payments Expense			
21107	LOAN-2014 GENERATOR, Regions	<u>7,015</u>	<u>-</u>	<u>(7,015)</u>
	Total Principal Payments Expense	<u>7,015</u>	<u>-</u>	<u>(7,015)</u>
	Interest Expense			
57101	INT-LONG TERM LOANS	<u>121</u>	<u>-</u>	<u>(121)</u>
	Total Interest Expense	<u>121</u>	<u>-</u>	<u>(121)</u>
	Total Debt Expense	<u>7,136</u>	<u>-</u>	<u>(7,136)</u>
	Net Change in Debt Service Budget	<u>(7,136)</u>	<u>-</u>	<u>7,136</u>
	Net Change in Fund Balance	<u>4,238</u>	<u>6,550</u>	<u>2,312</u>



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Dunlap WWTP

Dunlap Waste Water Treatment Plant

The Dunlap Wastewater Reclamation System serves the River Bend, Lakeview Heights, Southbank, Oasis, Long Creek, The Bandit, Legends Pond, The Silos, Ridgemont, White Wing, Fellers, and Samuels Court subdivisions in Guadalupe County. The plant was expanded in 1985, 1996, and 2006 to accommodate additional customers.

Dunlap WWTP is part of the Rural Utilities Division and is served by a staff of 7 FTE. These employees operate the Canyon Park, Dunlap and Northcliffe Wastewater Treatment Plants.

-
- | | |
|--|---|
| • Service Provided: Wastewater treatment | • Service Area: FM 725 south of New Braunfels |
| • Location: New Braunfels, Texas | • Permitted Capacity: 0.95 MGD |
| • Startup Date: December 4, 1973 | • Budgeted Revenue: \$2,610,200 |

Rural Utilities Division

Dunlap Wastewater Treatment Plant System

Operating Plan for Fiscal Year Ending 8/31/20

BACKGROUND

The Rural Utilities Division is responsible for operating three wastewater reclamation systems that include Canyon Park Estates, Dunlap, and Northcliffe.

The three wastewater treatment plants named above range in treatment capacity from a high of 950,000 gallons per day (gpd) at the Dunlap Plant to a low of 180,000 gpd at Canyon Park Estates. All of the plants use an extended air activated sludge treatment process.

The Dunlap Wastewater Reclamation facility is permitted by the Texas Commission on Environmental Quality to dispose of treated domestic wastewater effluent at a daily average flow not to exceed 950,000 gallons per day.

REVENUE SOURCES AND TRENDS

Revenues are obtained through connection and service fees from customers of the Dunlap wastewater treatment plant. The total service fee revenue for the plant is \$1,543,800 primarily due to an increase in the number of customers receiving wastewater service from the plant as well as a \$5.00 per month/sewer service fee increase. This monthly fee increase represents a 10% change and it is required to help pay the operating and capital costs of a growing service area. The combination of service fees and miscellaneous income is budgeted to total \$2,610,200 in FY 2020.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

The following Work Plan and Budget describes the operations and maintenance to be performed during FY 2020 at the Dunlap Wastewater Treatment Plant. The objective of the Work Plan and Budget is to keep the wastewater plant operating in a manner necessary to ensure that the quality of effluent meets all permit requirements and is suitable for municipal, agricultural and industrial supplies, as well as recreational uses and aquatic life. The Work Plan and Budget also will provide employees the training necessary for continued improvement and professional development.

Since the wastewater plant is relatively small, full-time personnel are not required in order to maintain operations. Five licensed employees, including four operators and a chief operator, provide operation and maintenance of the system on a daily basis. Additional manpower and equipment required for maintenance and technical services are transferred as needed from other operating division of GBRA. The Division Manager provides supervision of the division.

In an effort to provide advanced training and maintain Texas Commission on Environmental Quality wastewater licenses for all division employees, operating personnel will attend courses provided by approved sources such as Texas Engineering Extension Service and Texas Water Utility Association. Personnel will also attend electrical safety first aid, CPR, hazard communications and team training.

Significant operation and maintenance expenses and capital improvements for the ensuing Fiscal Year include:

1. Continue repairs to collection system to reduce inflow and infiltration of rainwater (material and services) - \$31,000.
2. Removal of bio-solids (sludge) from the plant and delivery to an application site - \$12,000.
3. Interdivision fees associated with the use of the mobile biosolids press – \$13,634.
4. Lift station maintenance (material and services) – \$28,000.

Total operating expenses are projected to increase \$449,814 or 31% in FY 2020.

FUND BALANCE

Funds for the above listed capital additions and maintenance projects as well as all of the other operating expenditures that are summarized in the following pages will be provided from revenues from customer billings. The net increase in fund balance that GBRA anticipates in the Dunlap System after paying all FY 2020 budgeted expenditures and receiving the above listed funding sources is \$9,130.



Rural Utilities WWTPs	# of Authorized Positions (FTE)		
	2018	2019	2020
Chief Operator	1	1	1
Operator	4.5	5	6
Total	5.5	6	7

$\frac{1}{2}$ -Biosolids Operator position was removed.
1-Operator position was added.

Changes from FY 2019 to FY 2020

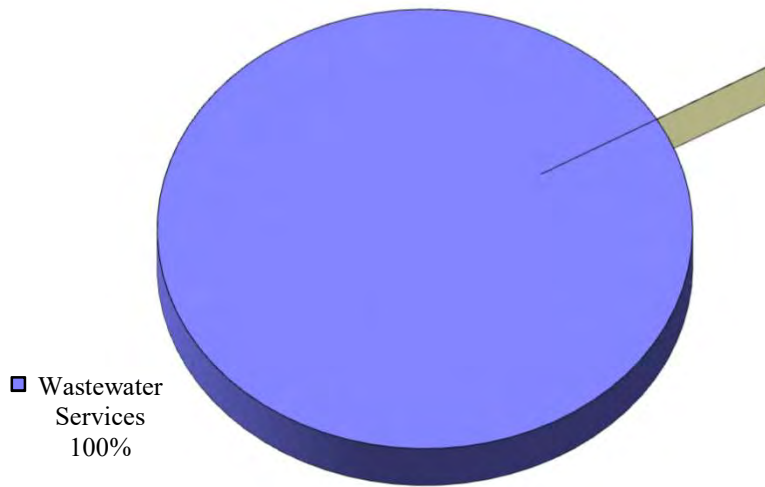
1-Belt Press Operator position was added.

These employees are part of the Rural Utilities WWTP systems and are shared between the Canyon Park WWTP, Dunlap WWTP and the Northcliffe WWTP.



Budget Summary

REVENUES - Dunlap WWTP

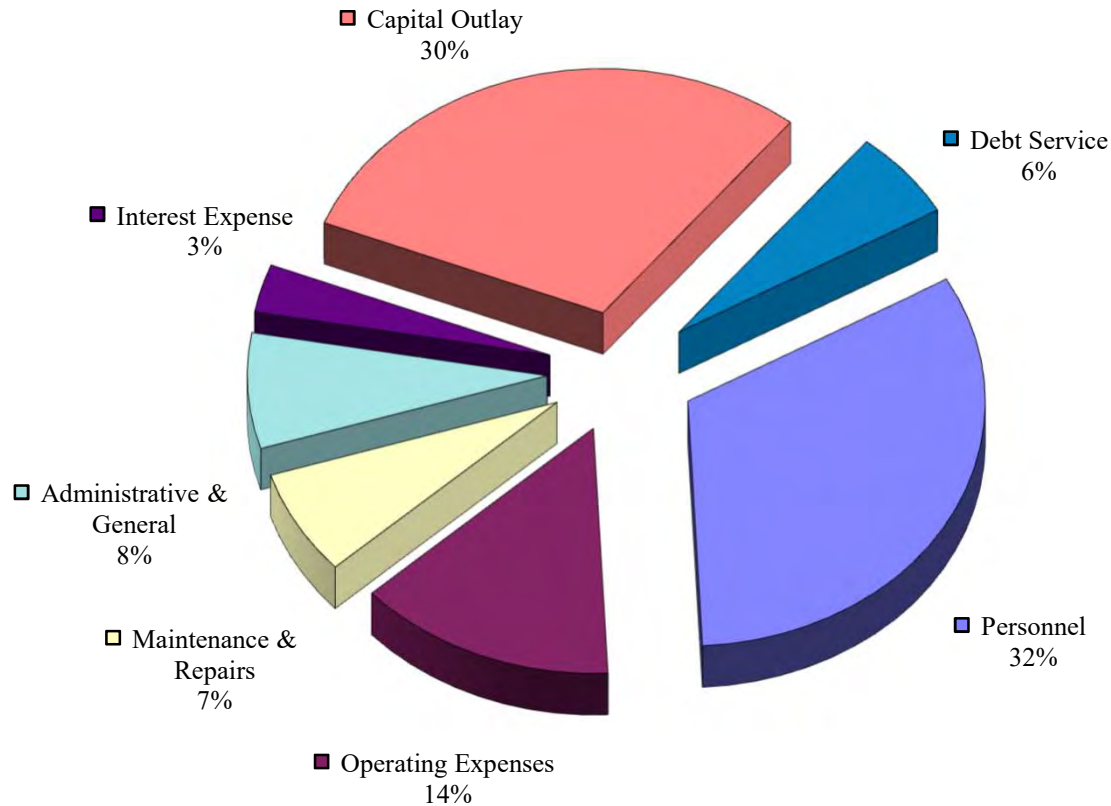


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services	1,476,259	2,166,375	2,610,200
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	15,778	1,750	
Total Operating Revenue	1,492,037	2,168,125	2,610,200
Interest Income	2,071	1,000	
Grand Total Revenues	1,494,108	2,169,125	2,610,200



Budget Summary

EXPENSES - Dunlap WWTP



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	309,766	412,690	684,089
Operating Expenses	295,611	224,600	294,270
Maintenance & Repairs	111,253	161,000	146,000
Administrative & General	72,583	96,931	160,676
Total Operating Expenses	789,213	895,221	1,285,035
Interest Expense	79,725	71,167	66,968
Capital Outlay	194,917	565,000	625,000
Debt Service	121,084	126,626	124,067
I/F Loan Repayment to General		500,000	500,000
Grand Total Expenses	1,184,939	2,158,014	2,601,070

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020**

033 - Dunlap WWTP

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET				
OPERATING REVENUES				
Retail Wastewater				
42401	WASTEWATER SERVICES	1,133,712	1,543,800	410,088
42402	SEWER CONNECTION/INSP FEES	1,032,663	1,066,400	33,737
	Total Retail Wastewater	2,166,375	2,610,200	443,825
Restricted Interest				
44201	INT-RESTRICTED FUNDS	1,000	-	(1,000)
	Total Restricted Interest	1,000	-	(1,000)
Misc Income				
45195	MISCELLANEOUS REVENUES	1,750	-	(1,750)
	Total Misc Income	1,750	-	(1,750)
	Total Operating Revenue	2,169,125	2,610,200	441,075
OPERATING EXPENSES				
Salaries				
51101	LBR-REGULAR WAGES	270,362	475,010	204,648
51102	LBR-OVERTIME	23,368	11,886	(11,482)
	Total Salaries	293,730	486,896	193,166
Benefits				
51298	BEN-BENEFIT ALLOCATION	118,960	197,193	78,233
	Total Benefits	118,960	197,193	78,233
Operating Supplies & Services				
52101	OPR-POWER & UTILITIES	67,000	70,000	3,000
52102	OPR-AUXILIARY POWER EXPENSE	4,000	7,000	3,000
52103	OPR-CHEMICALS	20,000	22,000	2,000
52110	OPR-SMALL TOOLS AND SUPPLIES	4,000	1,000	(3,000)
52113	OPR-LAB SUPPLIES	10,000	11,000	1,000
52114	OPR-LABORATORY SERVICES-GBRA	10,000	15,000	5,000

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
52118	OPR-DISPOSAL SERVICES	12,000	12,000	-
52120	OPR-UNIFORMS	1,000	1,400	400
52121	OPR-SAFETY & EMERGENCY EXPENSE	2,000	3,000	1,000
52123	OPR-EQUIPMENT RENTAL	16,076	13,634	(2,442)
52124	OPR-EQUIPMENT EXPENSE	1,000	1,500	500
52125	OPR-VEHICLE EXPENSE	12,000	9,000	(3,000)
52126	OPR-FLEET LEASE EXPENSE	14,400	9,600	(4,800)
52133	OPR-SCADA	2,000	2,000	-
	Total Operating Supplies & Services	175,476	178,134	2,658
	Professional Services and Fees			
52201	OPR-PROFESSIONAL SERVICES-ENGINEERING	-	50,000	50,000
52205	OPR-PROFESSIONAL SERVICES-OTHER	2,000	4,000	2,000
52217	OPR-INSPECTION FEES	11,000	6,000	(5,000)
52219	OPR-CUSTOMER BILLING FEES	-	21,000	21,000
52220	OPR-BANK FEES	1,800	2,500	700
52222	OPR-MEMBERSHIPS & PUBLICATIONS	100	400	300
52223	OPR-LICENSE & TRAINING	2,000	2,000	-
52224	OPR-TRAVEL	300	400	100
	Total Professional Services and Fees	17,200	86,300	69,100
	Office Expenses			
52301	OPR-OFFICE SUPPLIES	4,000	500	(3,500)
52302	OPR-COMPUTER SUPPLIES	5,100	2,500	(2,600)
52305	OPR-POSTAGE AND FREIGHT EXPENSE	-	100	100
52306	OPR-COMMUNICATIONS	2,000	2,000	-
	Total Office Expenses	11,100	5,100	(6,000)
	Other Operating Expenses			
52403	OPR-BUILDING RENTAL	1,824	2,736	912
52420	OPR-INSURANCE EXPENSE	14,000	17,000	3,000
52430	OPR-MISC EXPENSE	5,000	5,000	-
	Total Other Operating Expenses	20,824	24,736	3,912
	SUBTOTAL OF OPERATIONAL EXPENSES	637,290	978,359	341,069
	Maintenance and Repair Equipment			
53101	M&R-EQUIPMENT	10,000	10,000	-
53105	M&R-GENERATORS	10,000	5,000	(5,000)
53110	M&R-CONTROL SYSTEMS	3,000	3,000	-
	Total Maintenance and Repair Equipment	23,000	18,000	(5,000)
	Structures			
53201	M&R-BUILDING	2,000	1,000	(1,000)
53205	M&R-PUMPS AND MOTORS	5,000	10,000	5,000

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
53210	M&R-GATES AND VALVES	5,000	4,000	(1,000)
53215	M&R-LIFTSTATIONS	21,000	28,000	7,000
53220	M&R-CLARIFIERS	5,000	5,000	-
	Total Structures	38,000	48,000	10,000
	Other Maintenance & Repairs			
53325	M&R-GENERAL MAINTENANCE	90,000	70,000	(20,000)
53399	M&R-MISC EXPENSE	10,000	10,000	-
	Total Other Maintenance & Repairs	100,000	80,000	(20,000)
	SUBTOTAL OF M&R EXPENSES	161,000	146,000	(15,000)
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	96,931	160,676	63,745
	Total Administrative & General	96,931	160,676	63,745
	Transfers			
61505	TRANSFERS-DESIGNATED PROJECT FUND	565,000	625,000	60,000
	Total Transfers	565,000	625,000	60,000
	TOTAL OPERATING AND M&R EXPENSES	1,460,221	1,910,035	449,814
	Net Operating Income	708,904	700,165	(8,739)

DEBT SERVICE BUDGET

	Internal Loan Revenue			
24201	I/F LOAN-GENERAL	(500,000)	(500,000)	-
	Total Internal Loan Revenue	(500,000)	(500,000)	-
	Total Debt Revenue	(500,000)	(500,000)	-
	Principal Payments Expense			
21106	LOAN-2012 DUNLAP EXP, Regions	110,000	115,000	5,000
21108	LOAN-2014 GENERATOR, Regions	7,866	-	(7,866)
21109	LOAN-2016 GENERATOR, Regions	8,760	9,067	307
	Total Principal Payments Expense	126,626	124,067	(2,559)
	Interest Expense			
57101	INT-LONG TERM LOANS	68,438	64,546	(3,892)
57209	INT-2014 DUNLAP, Generator	2,729	2,422	(307)

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
Total Interest Expense	71,167	66,968	(4,199)
Total Debt Expense	197,793	191,035	(6,758)
Net Change in Debt Service Budget	(697,793)	(691,035)	6,758
Net Change in Fund Balance	11,111	9,130	(1,981)

Rural Utilities Division - Designated Project Fund

Project Description	FY 2020
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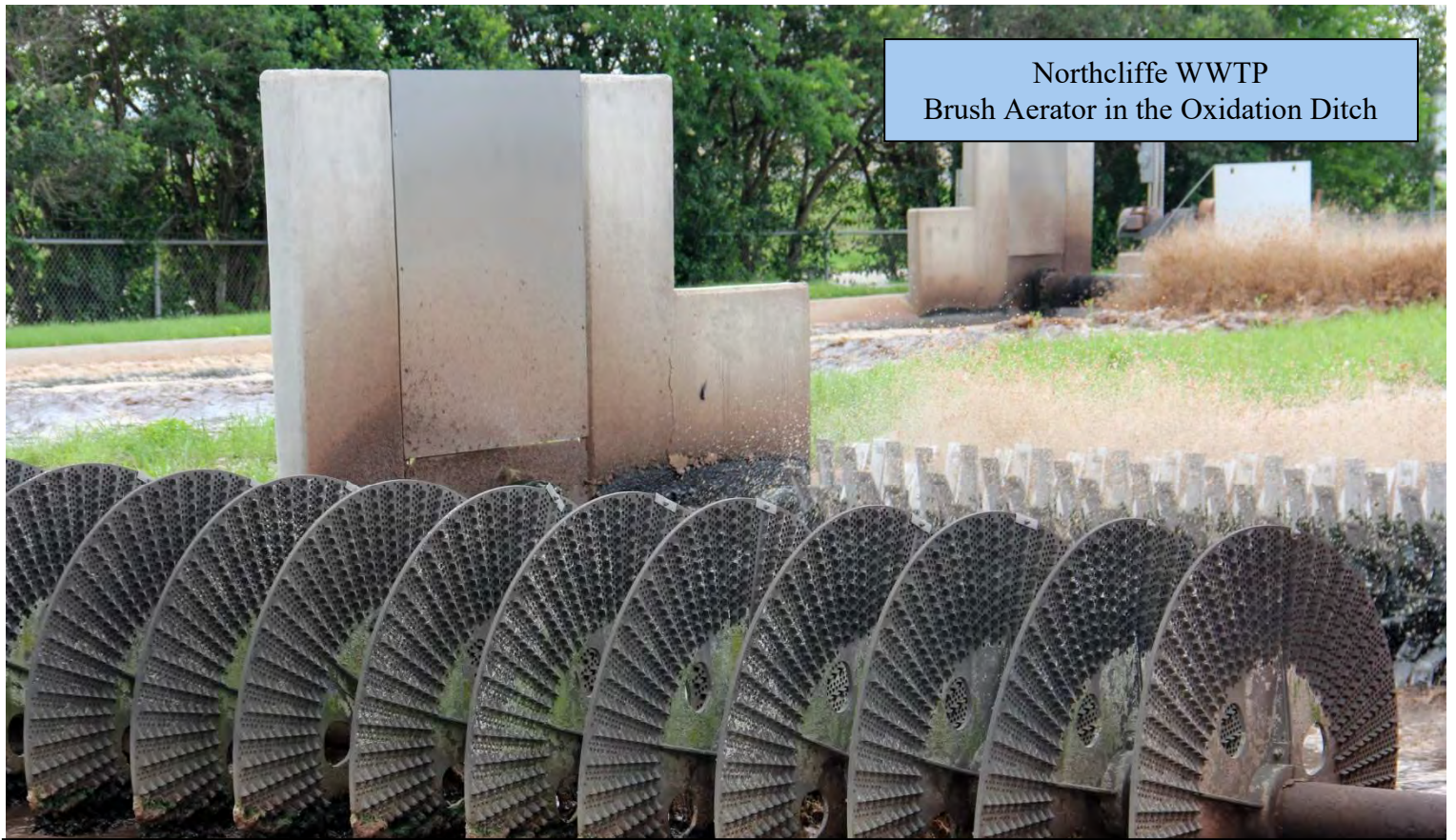
Projects Funded From Current Revenues

Dunlap WWTP & Collection System Improvements	\$	625,000
Total Rural Utilities Designated Project Fund	\$	625,000

Note: See Financial Summary section for total project information



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Northcliffe WWTW
Brush Aerator in the Oxidation Ditch

Northcliffe WWTW

Northcliffe Waste Water Treatment Plant

The Northcliffe Wastewater Reclamation System provides service to the Northcliffe subdivision in Comal and Guadalupe Counties.

Northcliffe WWTW is part of the Rural Utilities Division and is served by a staff of 7 FTE. These employees operate the Canyon Park, Dunlap and Northcliffe Wastewater Treatment Plants.

-
- | | |
|--|---|
| • Service Provided: Wastewater treatment | • Service Area: Part of City of Schertz |
| • Location: Schertz, Texas | • Permitted Capacity: 300,000 GPD |
| • Startup Date: September 9, 1977 | • Budgeted Revenue: \$115,592 |
-

Rural Utilities Division

Northcliffe Wastewater Treatment Plant System

Operating Plan for Fiscal Year Ending 8/31/20

BACKGROUND

The Rural Utilities Division is responsible for operating three wastewater reclamation systems that include the Canyon Park Estates, Dunlap and Northcliffe.

The three wastewater treatment plants named above range in treatment capacity from a high of 950,000 gallons per day (gpd) at the Dunlap Plant to a low of 180,000 gpd at Canyon Park Estates. All of the plants use an extended air activated sludge treatment process.

The Northcliffe Wastewater Reclamation facility is permitted by the Texas Commission on Environmental Quality to dispose of treated domestic wastewater effluent at a daily average flow not to exceed 300,000 gpd via irrigation of 117 acres at the Northcliffe Country Club golf course.

REVENUE SOURCES AND TRENDS

The Rural Utilities Division operates the Northcliffe wastewater treatment plant and provides service to residents of the City of Schertz. The City of Schertz makes payments to reimburse GBRA for all of the cost of operating and maintaining the plant. This contractual arrangement provides that GBRA does not under-recover nor over-recover the cost of operating the plant. The City is anticipating the transfer of all wastewater currently treated at Northcliffe to Cibolo Creek Municipal Authority during FY 2020. The operating and capital expenditures of this plant are expected to decrease by \$244,331 and therefore under the contract with the City of Schertz, wastewater service revenue will also decrease by \$244,331 to a total of \$115,592.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

The following Work Plan and Budget describes the operations and maintenance to be performed during FY 2020 at the Northcliffe Wastewater Reclamation facility. The objective of the Work Plan and Budget is to keep the wastewater plant operating in a manner necessary to ensure that the quality of effluent meets all permit requirements and is suitable for municipal, agricultural and industrial supplies, as well as recreational uses and aquatic life. The Work Plan and Budget also will provide employees the training necessary for continued improvement and professional development.

Since the utility plant is relatively small, full-time personnel are not required in order to maintain operation. Four licensed employees, including three operators and a chief operator, provide operation and maintenance of the system on a daily basis. Additional manpower and equipment required for maintenance and technical services are transferred as needed from other operating division of GBRA. The Division Manager provides supervision of the division.

In order to meet public service needs through motivated employees, provide advanced training, and maintain and upgrade occupational licenses, personnel will attend courses provided by various approved sources such as Texas Engineering Extension Service and Texas Water Utility Association. Plant personnel will also conduct in-house training in team building skills, confined space rescue, hazard communication, electrical safety and maintenance, first aid, and CPR. Other training will include computer software and personal development seminars.

Significant operating expenses for the ensuing Fiscal Year is:

- Power and utilities to operate the plant - \$20,000
- Lab supplies and services - \$14,000
- Removal of bio-solids (sludge) from the plant and delivery to an application site - \$12,000

FUND BALANCE

Funds for the above listed capital additions and maintenance projects as well as all of the other operating expenditures that are summarized in the following pages will be provided from revenues from customer billings. Since this is a contract operation of GBRA that does not over-recover nor under-recover its total budgeted expenditures, the increase in fund balance for FY 2020 amounts to \$0.



Rural Utilities WWTPs	# of Authorized Positions (FTE)		
	2018	2019	2020
Chief Operator	1	1	1
Operator	4.5	5	6
Total	5.5	6	7

1/2-Biosolids Operator position was removed.
1-Operator position was added.

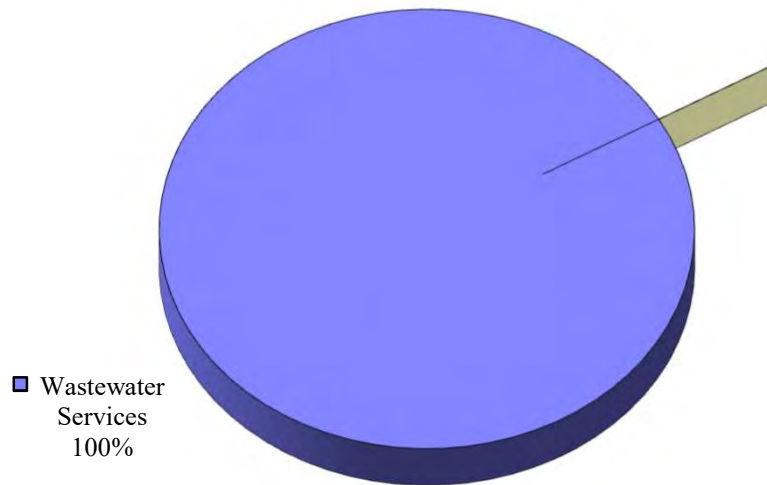
1-Belt Press Operator position was added.

These employees are part of the Rural Utilities WWTP systems and are shared between the Canyon Park WWTP, Dunlap WWTP and the Northcliffe WWTP.



Budget Summary

REVENUES - Northcliffe WWTP

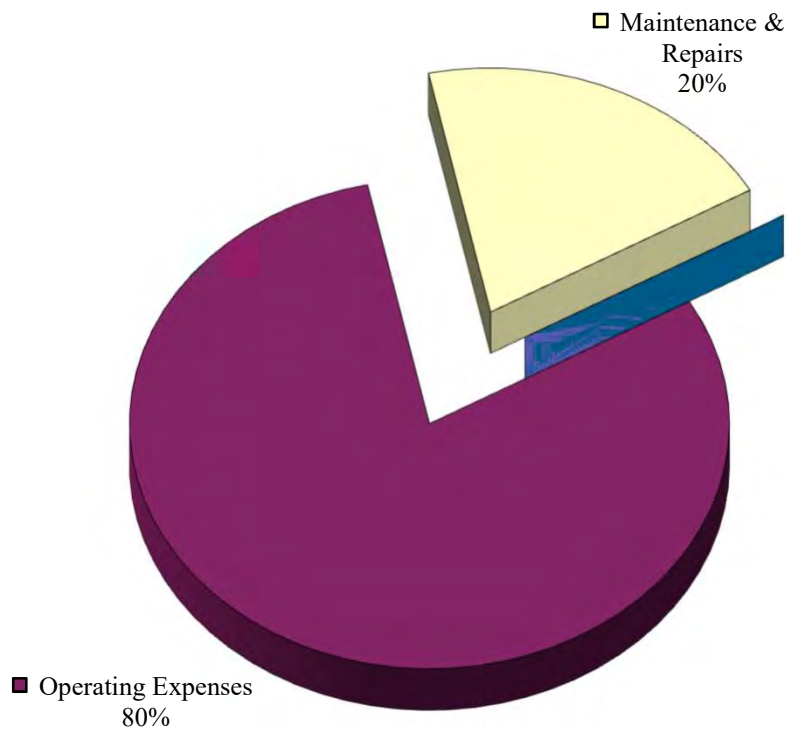


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services	282,049	359,923	115,592
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income			
Total Operating Revenue	282,049	359,923	115,592
Interest Income			
Grand Total Revenues	282,049	359,923	115,592



Budget Summary

EXPENSES - Northcliffe WWTP



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	148,087	172,998	
Operating Expenses	79,368	121,192	92,492
Maintenance & Repairs	20,564	25,100	23,100
Administrative & General	34,149	40,633	
Total Operating Expenses	282,168	359,923	115,592
Interest Expense			
Capital Outlay			
Debt Service			
Grand Total Expenses	282,168	359,923	115,592

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020**

034 - Northcliffe WWTP

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET				
OPERATING REVENUES				
Wastewater Treatment				
41201	WW-OPR & MAINTENANCE	319,290	115,592	(203,698)
41202	WW-ADMINISTRATIVE & GENERAL	40,633	-	(40,633)
	Total Wastewater Treatment	359,923	115,592	(244,331)
	Total Operating Revenue	359,923	115,592	(244,331)
OPERATING EXPENSES				
Salaries				
51101	LBR-REGULAR WAGES	116,687	-	(116,687)
51102	LBR-OVERTIME	6,443	-	(6,443)
	Total Salaries	123,130	-	(123,130)
Benefits				
51298	BEN-BENEFIT ALLOCATION	49,868	-	(49,868)
	Total Benefits	49,868	-	(49,868)
Operating Supplies & Services				
52101	OPR-POWER & UTILITIES	21,000	20,000	(1,000)
52102	OPR-AUXILIARY POWER EXPENSE	1,000	1,000	-
52103	OPR-CHEMICALS	4,000	3,500	(500)
52110	OPR-SMALL TOOLS AND SUPPLIES	1,000	1,000	-
52113	OPR-LAB SUPPLIES	16,000	7,000	(9,000)
52114	OPR-LABORATORY SERVICES-GBRA	-	7,000	7,000
52118	OPR-DISPOSAL SERVICES	14,000	12,000	(2,000)
52120	OPR-UNIFORMS	500	700	200
52121	OPR-SAFETY & EMERGENCY EXPENSE	1,000	2,000	1,000
52123	OPR-EQUIPMENT RENTAL	36,468	-	(36,468)
52124	OPR-EQUIPMENT EXPENSE	1,000	1,000	-
52125	OPR-VEHICLE EXPENSE	4,700	5,000	300
52133	OPR-SCADA	1,600	2,500	900
	Total Operating Supplies & Services	102,268	62,700	(39,568)

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
Professional Services and Fees			
52205 OPR-PROFESSIONAL SERVICES-OTHER	1,000	1,000	-
52217 OPR-INSPECTION FEES	3,000	3,000	-
52222 OPR-MEMBERSHIPS & PUBLICATIONS	100	100	-
52223 OPR-LICENSE & TRAINING	1,400	1,400	-
52224 OPR-TRAVEL	300	300	-
Total Professional Services and Fees	5,800	5,800	-
Office Expenses			
52301 OPR-OFFICE SUPPLIES	1,000	500	(500)
52302 OPR-COMPUTER SUPPLIES	1,100	1,100	-
52306 OPR-COMMUNICATIONS	500	500	-
Total Office Expenses	2,600	2,100	(500)
Other Operating Expenses			
52403 OPR-BUILDING RENTAL	1,824	17,292	15,468
52420 OPR-INSURANCE EXPENSE	6,700	2,600	(4,100)
52430 OPR-MISC EXPENSE	2,000	2,000	-
Total Other Operating Expenses	10,524	21,892	11,368
SUBTOTAL OF OPERATIONAL EXPENSES	294,190	92,492	(201,698)
Maintenance and Repair Equipment			
53101 M&R-EQUIPMENT	6,000	4,000	(2,000)
53105 M&R-GENERATORS	2,000	2,000	-
53110 M&R-CONTROL SYSTEMS	2,000	2,000	-
Total Maintenance and Repair Equipment	10,000	8,000	(2,000)
Structures			
53201 M&R-BUILDING	100	100	-
53205 M&R-PUMPS AND MOTORS	4,000	4,000	-
53210 M&R-GATES AND VALVES	1,000	1,000	-
53215 M&R-LIFTSTATIONS	1,000	1,000	-
53220 M&R-CLARIFIERS	1,000	1,000	-
Total Structures	7,100	7,100	-
Other Maintenance & Repairs			
53325 M&R-GENERAL MAINTENANCE	6,000	6,000	-
53399 M&R-MISC EXPENSE	2,000	2,000	-
Total Other Maintenance & Repairs	8,000	8,000	-
SUBTOTAL OF M&R EXPENSES	25,100	23,100	(2,000)
Administrative & General			

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
54100 ADMINISTRATIVE & GENERAL	40,633	-	(40,633)
Total Administrative & General	40,633	-	(40,633)
TOTAL OPERATING AND M&R EXPENSES	359,923	115,592	(244,331)
Net Operating Income	-	-	-
Net Change in Fund Balance	-	-	-



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Sunfield WWTP

The Sunfield plant provides wastewater treatment services for the Sunfield subdivision located in north Hays County east of Buda. The facility is owned by the Sunfield Municipal Utility District #4 and is capable of treating 250,000 gallons per day. Treatment units include an aeration basin, clarifier, sludge holding facilities, cloth disk filters, and phosphorus removal using aluminum sulfate.

The system is served by a staff of 6 employees who also operate wastewater treatment plants in the City of Buda and the Shadow Creek subdivision.

-
- Service Provided: Wastewater treatment
 - Service Area: Hays County
 - # of Gallons Treated: 127,860,000

- Startup Operation Date: October 23, 2009
- Budgeted Revenue: \$720,728

Rural Utilities Division

Sunfield Wastewater Treatment Plant System

Operating Plan for Fiscal Year Ending 8/31/20

BACKGROUND

The following Work Plan and Budget is based on the treatment of an average sewage flow of 127.86 million gallons per year or 0.350 million gallons per day for Fiscal Year 2020.

GBRA assumed operation of the Sunfield Wastewater Treatment Plant upon completion of construction and plant start-up in October 2009. Five operators divide their time between the Buda, Shadow Creek, and Sunfield plants to operate and maintain the systems. The System is supervised by the Chief Operator of the Shadow Creek Wastewater Reclamation System. In addition, some contract labor and support from other GBRA Divisions are included in the form of electrical, preventive maintenance, supervision, engineering, purchasing, laboratory, and administrative functions. GBRA's budget forecast includes all payroll and benefit expenses. In this work plan, the Sunfield Wastewater Treatment Plant will be managed by existing GBRA professionals located in Seguin.

REVENUE SOURCES AND TRENDS

An operating agreement was signed with 2428 Partners L.P. and the Sunfield Municipal Utility District #4 (District) in June 2006. The plant has a permitted capacity of 0.50 million gallons per day (MGD). The contract between 2428 Partners L.P., the District, and GBRA provides that GBRA will bill the District the actual cost of operating and maintaining the plant. As a result, revenue is matched to expenses and GBRA does not over-recover nor under-recover the cost of operating the plant.

The budget is based on the treatment of 127,860,000 gallons of wastewater. The budgeted revenue for the Sunfield System is \$720,728 and is based on a 12 month year beginning September 1st and ending August 31st. Since 2428 Partners funded the plant construction, no debt service is included in this budget.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

The total operating expenditures budgeted are \$720,728.

In addition to personnel costs, other significant operating and maintenance expenses are power and utility expenses of \$79,000, chemical expenses of \$23,000, biosolids disposal of \$26,000 and laboratory expenses of \$24,000.

During Fiscal Year 2017, the Partners and the District constructed a second plant that doubles the amount of wastewater that can be treated; however, during Fiscal Year 2020, the original plant will need to be rehabilitated so it can remain functional for several years into the future. The expected cost for this maintenance project is \$200,000. Upon completion the reconditioned plant will be in near new condition.

The budget includes the standard administration and general percentage charged to all operating divisions of GBRA and the budget for this expense is \$39,748.

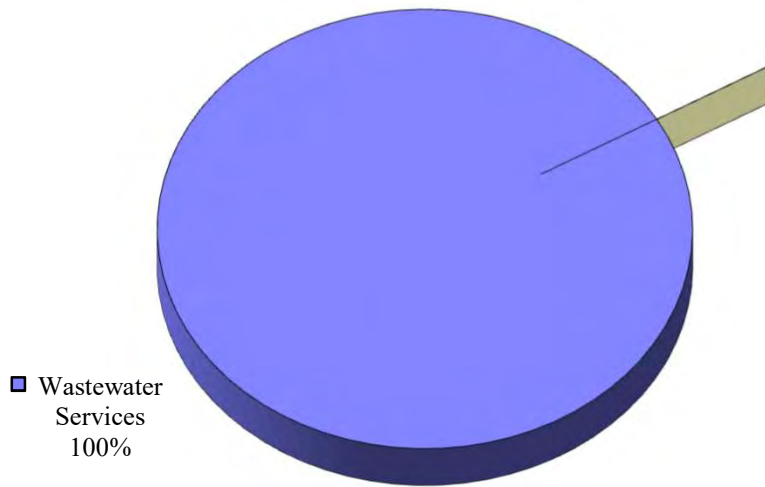
FUND BALANCE

Funds for the above listed operating and maintenance expenditures that are summarized in the following pages will be provided from revenues from the District. Since this System represents a contract operation in which GBRA does not over-recover nor under-recover its costs, the net change in fund balance for FY 2020 is \$0.



Budget Summary

REVENUES - Sunfield WWTP

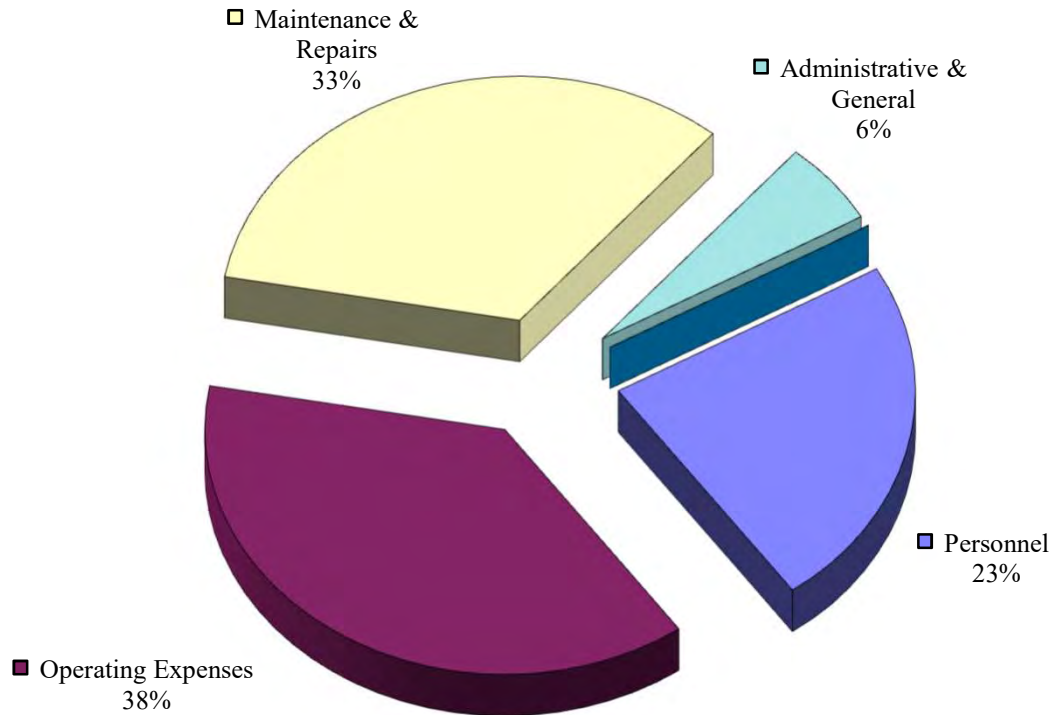


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services	265,881	613,255	720,728
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income			
Total Operating Revenue	265,881	613,255	720,728
Interest Income			
Grand Total Revenues	265,881	613,255	720,728



Budget Summary

EXPENSES - Sunfield WWTP



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	66,940	125,597	169,229
Operating Expenses	113,396	217,798	271,851
Maintenance & Repairs	69,823	240,360	239,900
Administrative & General	15,722	29,500	39,748
Total Operating Expenses	265,881	613,255	720,728
Interest Expense			
Capital Outlay			
Debt Service			
Grand Total Expenses	265,881	613,255	720,728

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020**

**037 - Sunfield WWTP
Department ***

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET				
OPERATING REVENUES				
Wastewater Treatment				
41201	WW-OPR & MAINTENANCE	583,755	680,980	97,225
41202	WW-ADMINISTRATIVE & GENERAL	29,500	39,748	10,248
	Total Wastewater Treatment	613,255	720,728	107,473
	Total Operating Revenue	613,255	720,728	107,473
OPERATING EXPENSES				
Salaries				
51101	LBR-REGULAR WAGES	82,661	113,775	31,114
51102	LBR-OVERTIME	6,732	6,673	(59)
	Total Salaries	89,393	120,448	31,055
Benefits				
51298	BEN-BENEFIT ALLOCATION	36,204	48,781	12,577
	Total Benefits	36,204	48,781	12,577
Operating Supplies & Services				
52101	OPR-POWER & UTILITIES	56,000	79,000	23,000
52102	OPR-AUXILIARY POWER EXPENSE	6,300	6,300	-
52103	OPR-CHEMICALS	10,800	23,000	12,200
52110	OPR-SMALL TOOLS AND SUPPLIES	200	500	300
52113	OPR-LAB SUPPLIES	4,500	4,500	-
52114	OPR-LABORATORY SERVICES-GBRA	18,500	19,500	1,000
52118	OPR-DISPOSAL SERVICES	19,000	26,000	7,000
52121	OPR-SAFETY & EMERGENCY EXPENSE	450	3,000	2,550
52123	OPR-EQUIPMENT RENTAL	20,568	24,401	3,833
52126	OPR-FLEET LEASE EXPENSE	1,200	1,200	-
52133	OPR-SCADA	-	2,800	2,800
	Total Operating Supplies & Services	137,518	190,201	52,683
Professional Services and Fees				

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
52201	OPR-PROFESSIONAL SERVICES-ENGINEERING	60,000	60,000	-
52205	OPR-PROFESSIONAL SERVICES-OTHER	2,500	2,500	-
52217	OPR-INSPECTION FEES	2,100	1,300	(800)
52222	OPR-MEMBERSHIPS & PUBLICATIONS	-	100	100
52224	OPR-TRAVEL	2,000	2,000	-
	Total Professional Services and Fees	66,600	65,900	(700)
	Office Expenses			
52301	OPR-OFFICE SUPPLIES	180	300	120
52302	OPR-COMPUTER SUPPLIES	1,000	250	(750)
52306	OPR-COMMUNICATIONS	1,300	1,300	-
	Total Office Expenses	2,480	1,850	(630)
	Other Operating Expenses			
52403	OPR-BUILDING RENTAL	900	900	-
52420	OPR-INSURANCE EXPENSE	4,300	7,000	2,700
52430	OPR-MISC EXPENSE	6,000	6,000	-
	Total Other Operating Expenses	11,200	13,900	2,700
	SUBTOTAL OF OPERATIONAL EXPENSES	343,395	441,080	97,685
	Maintenance and Repair Equipment			
53101	M&R-EQUIPMENT	2,700	5,500	2,800
53110	M&R-CONTROL SYSTEMS	6,800	7,000	200
53115	M&R-METERS	360	1,000	640
	Total Maintenance and Repair Equipment	9,860	13,500	3,640
	Structures			
53201	M&R-BUILDING	10,000	5,000	(5,000)
53205	M&R-PUMPS AND MOTORS	6,650	6,600	(50)
53210	M&R-GATES AND VALVES	2,000	2,000	-
53215	M&R-LIFTSTATIONS	6,200	6,200	-
53220	M&R-CLARIFIERS	700	700	-
53238	M&R-FILTERS	750	700	(50)
	Total Structures	26,300	21,200	(5,100)
	Other Maintenance & Repairs			
53301	M&R-ROADS	1,000	1,000	-
53310	M&R-GROUNDS	3,200	4,200	1,000
53325	M&R-GENERAL MAINTENANCE	200,000	200,000	-
	Total Other Maintenance & Repairs	204,200	205,200	1,000
	SUBTOTAL OF M&R EXPENSES	240,360	239,900	(460)
	Administrative & General			

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
54100 ADMINISTRATIVE & GENERAL	29,500	39,748	10,248
Total Administrative & General	29,500	39,748	10,248
TOTAL OPERATING AND M&R EXPENSES	613,255	720,728	107,473
Net Operating Income	-	-	-
Net Change in Fund Balance	-	-	-



Water Sales

Canyon Dam and Reservoir

Completed in 1964, this cooperative project between the U.S. Army Corps of Engineers and GBRA provides flood control protection and a stored water supply. GBRA operates the water storage portion to provide municipal, industrial, and agricultural customers with a dependable water supply particularly during drought or low flow conditions.

GBRA is responsible for reservoir water management and release within the 'conservation pool,' between 800 feet mean sea level (msl) and the normal operating elevation of 909 msl. The Corps is responsible for management and release of waters within the 'flood control pool' at elevations of 909 to 943 msl. Water is normally released as soon as possible from this portion of the reservoir which must be kept empty to contain runoff from high rainfall and flood events.

Primarily, the reservoir provides flood control protection for people living downstream of the Dam, but it also supplies many users with their sole source of water. For others, it provides a dependable alternative source of water during drought conditions and low river flows. Reservoir water supplies stored water to cities, industries and agricultural users. Under a permit issued by the State of Texas, GBRA is allowed to divert an average of 90,000 acre-feet per year of stored water to supply contracted water users.

The dam is an earthfill embankment, 224 feet high and 6,830 feet long. At maximum 'conservation pool' level of 909 feet elevation msl, the reservoir covers more than 8,200 surface acres and impounds 386,200 acre-feet of water to a depth of 140 feet. At maximum 'flood control pool' elevation of 943 feet msl, the reservoir impounds a total of 732,600 acre-feet of water.

-
- | | |
|---------------------------------------|-------------------------------|
| • Service Provided: Raw Water | • # of Current Employees: 62 |
| • Location: Canyon Lake, TX | • Budgeted Operating Revenue: |
| • Startup Operation Date: 1964 | \$19,878,740 |
| • Service Area: Guadalupe River Basin | |

Water Resources Division

Water Sales System

Operating Plan for Fiscal Year Ending 8/31/20

BACKGROUND

GBRA's Water Resources Division was originally organized for the purpose of administering the development and sale of water from various sources. The principle source of this water is the reservoir storage behind Canyon Dam. As GBRA expanded its mission in the basin, additional functions were added to this Division, including water quality, resource management, and project development.

The Division monitors Canyon Reservoir and coordinates releases from the reservoir with the U.S. Army Corp of Engineers. This Division also manages water supply planning, development, conservation, and projects, coordinates flood water management with communities in the basin and federal/state agencies, and supports operations during construction and asset management activities.

Responsibility for GBRA's water distribution and operations for the river basin lies with this Division. This includes the Regional Raw Water Delivery System (RRWDS) and Guadalupe Power Partners Raw Water Delivery Systems (GPPRWDS). These self-supporting systems were constructed to deliver water to municipalities, utility districts, regional water authorities, and electric generating plants. The Division operates two small water-related recreation areas near Seguin and Gonzales. These recreation areas provide river access for boating and fishing as well as park land for camping and picnicking. The Texas Commission on Environmental Quality (TCEQ) accredited environmental laboratory is also managed within this Division and provides analytical services for GBRA operations and customers outside the organization.

This Division is responsible for issues related to water quality, endangered species, governmental relations, and community relationship functions. Emphasis will continue to be placed on enhancing customer communications to continue to build positive long-term relationships in the basin.

The Canyon Gorge and related revenues and costs associated with its educational and touring programs are included within this division. Also included is support for the Guadalupe-Blanco River Trust, an affiliated non-profit organization.

The Division is managed by three members of the Executive Staff: Executive Manager of Project Engineering and Development / Chief Engineer, Executive Manager of Environmental Science and Community Affairs, and Executive Manager of Operations.

REVENUE SOURCES AND TRENDS

Water sales revenues are based on a firm water rate of \$151.00 per acre-foot per year for FY 2020. This is a \$4.00 or 2.7% increase over the FY 2019 rate. Total water sales revenues excluding "water delivery and pipeline operations" for FY 2020 are projected at \$14,874,955.

GBRA receives revenue in this Division from customer groups associated with three distinct self-supporting operations. They include the operations and associated debt service for the Regional Raw Water Pipeline, the IH35 Treated Water Pipeline and debt service for GBRA's Western Canyon Project. Revenue for debt service and operations of the water delivery systems during FY 2020 is estimated at \$3,389,003. Revenue for the reimbursement of debt service payments from customers of GBRA's Western Canyon Project is estimated to total \$5,320,337.

Grant and interlocal revenue is estimated at \$709,280. Laboratory revenues total \$877,800, while investment income is estimated at \$420,000.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

Significant operating expenses in the Water Resources Division include payroll and benefit costs of staff members assigned to the division, payments to the U.S. Army Corps of Engineers, the Edwards Aquifer Authority (EAA) and TCEQ.

Payment to the Corps of Engineers for the maintenance of Canyon Dam is budgeted at \$850,000. The Corp has communicated that over the next few years it is embarking on several large rehabilitation projects at the Canyon Lake facility. GBRA is responsible for a portion of these improvements and will manage the impact to the raw water rate through a rate stabilization approach. In addition, \$400,000 is budgeted for GBRA's portion of the EAA Habitat Conservation Plan and \$176,240 is allocated for payment to the TCEQ South Texas Watermaster. Funding is also provided to support the Guadalupe-Blanco River Trust and the Canyon Gorge.

Professional service fees within the system include legal and engineering for ongoing operations, as well as for water supply projects, water quality activities, hazard mitigation requirements, and watershed management. In FY 2020, operating costs for professional fees is budgeted at \$2,206,100.

Utility costs for the Regional Raw Water pipeline, Guadalupe Power Partners pipeline and IH35 Treated Water Pipeline as well as Nolte and Lakewood recreational areas are budgeted at \$1.3 million. Maintenance and repair expenses total \$648,480 and cover pipeline and pump repairs as well as lower basin items such as levee and gate repairs and periodic removal of log jams that impact water supply.

Capital additions total \$108,000 and include the purchase of a replacement trackhoe for the Diversion system and an all-terrain vehicle for the Canyon Gorge.

New and ongoing development activities are budgeted as a transfer to a designated project fund. This fund is being utilized to better communicate and manage multi-year on-going projects. The amount transferred for FY 2020 is for GBRA's portion of Hays County's line relocation along Farm-to-Market Road 110. The detail page for projects in the Water Project Fund can be found after the line-item budget in this section.

FUND BALANCE

Funds for the above listed capital additions and maintenance projects, as well as all of the other operating expenditures will be provided primarily by revenues from customer billings.

The anticipated net increase in fund balance in the Water Sales System of the Water Resource Division for FY 2020 is \$0.



Staffing Summary

Water Supply	# of Authorized Positions (FTE)		
	2018	2019	2020
Executive Mgr. of Operations & Water Quality	1	1	1
Executive Mgr. of Project Engineering & Dev/Chief Engineer	1	1	1
Executive Mgr. of Environmental Science & Community Affairs	1	1	1
Deputy Executive Mgr of Operations & Water Quality	2	2	2
Manager of Project Engineering	1	1	---
Division Manager - Calhoun/Refugio Counties	1	1	1
Division Manager - Hays/Caldwell Operations	1	1	1
Division Manager - Hydroelectric & Rural Utilities	1	1	1
Division Manager - Western Canyon Operations	1	1	1
Executive Director of Guadalupe Blanco River Trust	1	1	---
Executive Director of SA Bay Foundation	1	1	---
Project Manager	1	1	1
Engineer	2	3	4
Project & Community Representative	1	1	1
Regional Representative	1	1	1
Aquatic Biologist	1	1	1
Electrical/Instrumentation Technician Supervisor/Analysts	---	---	2
Assistant Chief Ranger	1	1	1
Electrical/Instrumentation Technician	---	---	5
Hydrologist/Technician	0.5	0.5	0.5
Project Coordinator	1	1	1
Manager of Environmental Science	1	1	1
Facilities Technician	1	1	1
Engineering Assistant	1	1	1
Construction Inspector	3	3	5
Natural Resource Specialist	1	1	1
Environmental Services Administrator	---	---	1
Maintenance Technician	1	1	1
Utilities Accounts Assistant	1	1	1
Water Quality Technician	1	1	1
Park Ranger	1	1	2
Gorge, Administrative Assistant	0.5	1	1
Administrative Assistant	1	1	1
Gorge, Land Management/Maintenance	---	1	---
Gorge, Camp Counselors (P/T)	---	---	2.5
Asset Management	---	---	1
Maintenance Crew: WW Collections, Pipelines, ROW	---	---	4
Resource Management	---	---	1
Subtotal	33	35.5	52



Staffing Summary

041-Laboratory	# of Authorized Positions (FTE)		
	2018	2019	2020
Lab Director	1	1	1
Deputy Lab Director	1	1	---
Quality Assurance Officer	1	1	1
Customer Project Manager	1	1	1
Laboratory Technician	6	6	6
Subtotal	10	10	9
Grand Total	43	45.5	61

Changes from FY 2018 to FY 2019

- 1-Engineer position was added.
- ½-Gorge Office Assistant position was added.
- 1-Gorge Land Management position was added.

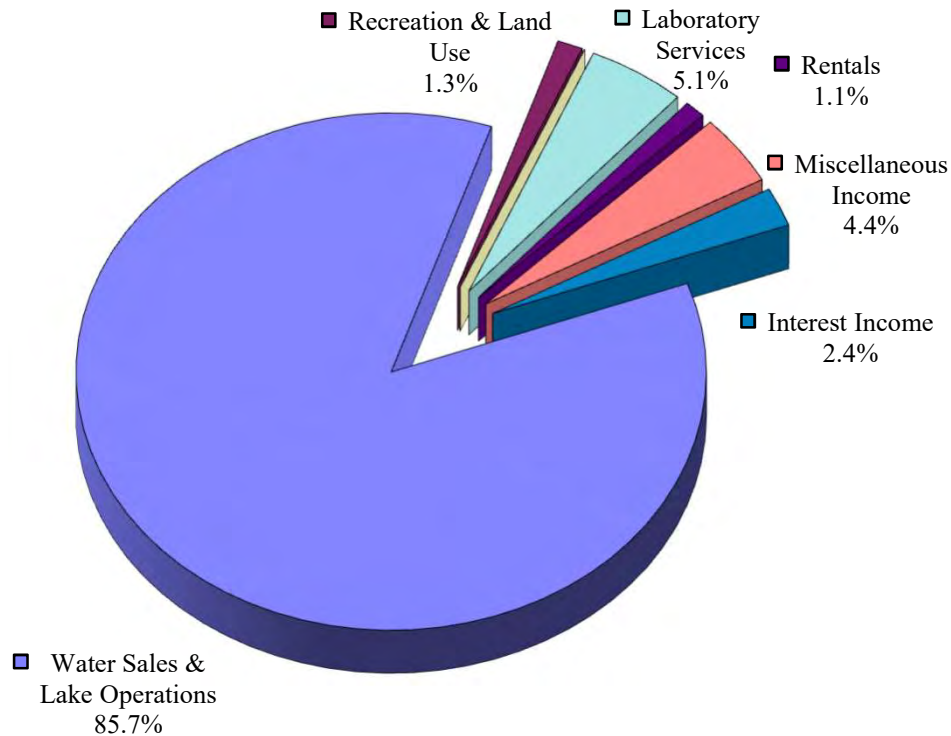
Changes from FY 2019 to FY 2020

- 2-Maintenance Crew-Wastewater Collection positions were added.
- 2-Maintenance Crew-Pipeline, Resource Management positions were added.
- 1-Resource Management position was added.
- 1-Asset Management position was added.
- 3-Construction/Electric Inspectors were added.
- 1-Engineer was added.
- 1-Electrical/Instrumentation Technician Supervisor was added.
- 5-Electrical/Instrumentation Technicians were added from other divisions.
- 1-Environmental Services Assistant was added.
- 1-Gorge, Park Ranger position was added.
- 2.5-Gorge, P/T Camp Counselor positions were added.
- 1-Deputy Lab Director position was removed.
- 1-Manager of Project Engineering position was removed.
- 1-Executive Director of Guadalupe Blanco River Trust Executive position was removed.
- 1-Director of SA Bay Foundation was removed.



Budget Summary

REVENUES - Water Sales

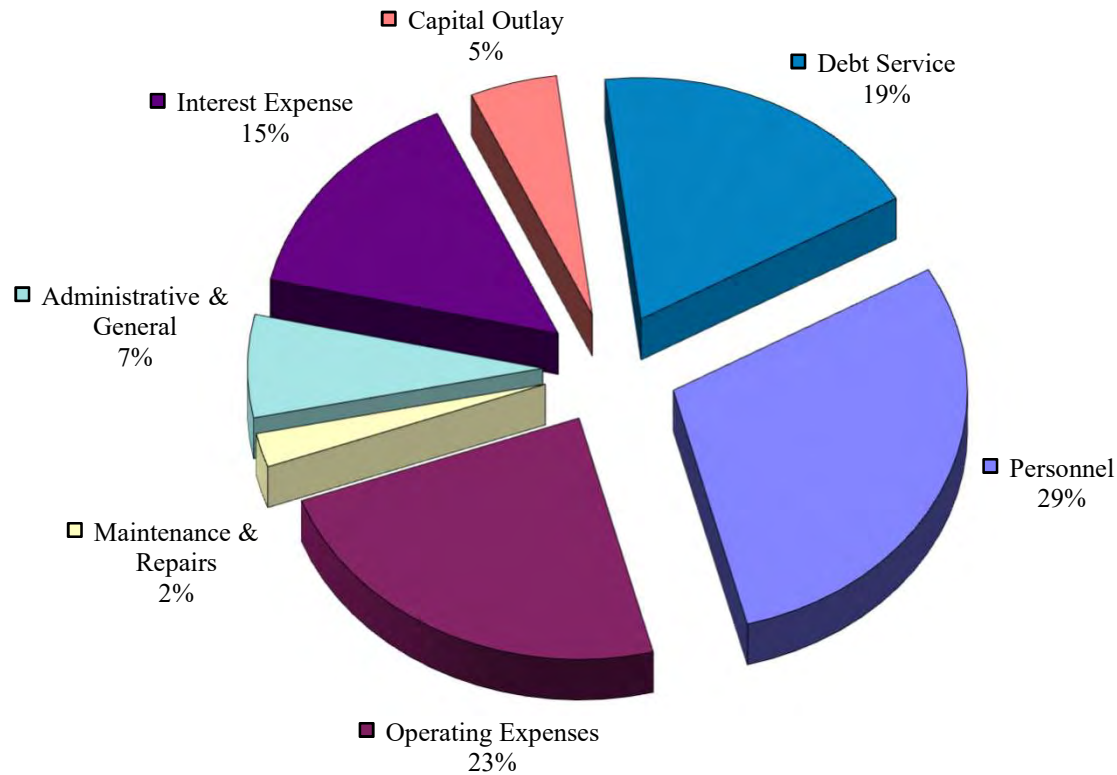


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations	14,060,690	14,065,499	14,874,955
Recreation & Land Use	104,757	109,511	226,459
Wastewater Services			
Laboratory Services	782,121	995,222	877,800
Rentals	142,167	190,404	190,404
Administrative & General			
Miscellaneous Income	622,435	559,090	764,280
Total Operating Revenue	15,712,170	15,919,726	16,933,898
Interest Income	195,207	102,660	420,000
Capacity Charge Revenue	8,561,926	8,705,652	8,709,340
O&M Pipeline Revenue	2,596,188	2,253,164	2,524,842
Grand Total Revenues	27,065,491	26,981,202	28,588,080



Budget Summary

EXPENSES - Water Sales



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	5,601,542	7,269,152	8,375,508
Operating Expenses	5,044,812	6,079,528	6,712,012
Maintenance & Repairs	359,226	591,086	648,480
Administrative & General	1,300,842	1,707,344	1,967,203
Total Operating Expenses	12,306,422	15,647,110	17,703,203
Interest Expense	4,645,887	4,419,546	4,199,026
Capital Outlay	963,136	1,711,478	1,364,282
Debt Service	4,915,746	5,163,143	5,321,569
Grand Total Expenses	22,831,191	26,941,277	28,588,080

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020**

041 - Water Sales

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET			
OPERATING REVENUES			
Wholesale Raw Water Sales			
42101 CANYON-COLETO CREEK POWER	881,000	-	(881,000)
42102 CANYON-INEOS	161,517	165,733	4,216
42103 CANYON-PORT LAVACA WTP	197,344	269,995	72,651
42104 CANYON-CCRWSC	10,719	41,735	31,016
42105 CANYON-CITY OF SEGUIN	146,833	150,667	3,834
42106 CANYON-GONZALES COUNTY WSC	51,392	52,733	1,341
42107 CANYON-SPRINGS HILL WSC	418,475	429,400	10,925
42108 CANYON-REBECCA CREEK MUD	19,088	19,587	499
42109 CANYON-CRWA-HAYS CO, SAN MARCOS	299,246	307,059	7,813
42110 CANYON-SEADRIFT COKE	49,042	50,323	1,281
42111 CANYON-UNION CARBIDE	14,683	15,067	384
42112 CANYON-STANDARD GYPSUM	41,508	38,872	(2,636)
42113 CANYON-STRUCTURAL METALS	102,783	105,467	2,684
42114 CANYON-NEW BRAUNFELS UTILITIES	1,427,220	2,293,147	865,927
42115 CANYON-CRYSTAL CLEAR WSC	117,467	120,533	3,066
42116 CANYON-CANYON REGIONAL WATER AUTH	1,745,414	1,790,172	44,758
42117 CANYON-CANYON LAKE WSC	939,734	964,266	24,532
42118 CANYON-CITY OF SAN MARCOS	1,468,333	1,506,667	38,334
42119 CANYON-GUADALUPE POWER PARTNERS	1,004,340	1,030,560	26,220
42120 CANYON-CITY OF KYLE	799,214	820,079	20,865
42121 CANYON-GREEN VALLEY SUD	146,833	150,667	3,834
42122 CANYON-HAYS ENERGY LTD PARTNERSHIP	361,797	371,243	9,446
42123 CANYON-CITY OF FAIR OAKS	271,642	278,733	7,091
42124 CANYON-SAN ANTONIO WATER SYSTEMS	1,029,194	1,055,440	26,246
42125 CANYON-CITY OF BOERNE	530,215	544,057	13,842
42126 CANYON-GBRA-COMAL TRACE	11,747	12,053	306
42127 CANYON-SAN JOSE-PARK VILLAGE	47,280	48,515	1,235
42128 CANYON-JACQUELYN COUSER	14,683	15,067	384
42129 CANYON-BREMER RANCH, LTD	14,683	15,067	384
42130 CANYON-CITY OF BLANCO	88,100	90,400	2,300
42131 CANYON-FORESIGHT	42,582	43,693	1,111
42132 CANYON-CORDILLERA RANCH, LTD	220,250	226,000	5,750

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
42133	CANYON-KENDALL COUNTY/TAPATIO SPRINGS	110,125	113,000	2,875
42134	CANYON-CITY OF BUDA	246,680	253,120	6,440
42135	CANYON-DH INV-JOHNSON RANCH	132,150	135,600	3,450
42136	CANYON-GOFORTH SUD	329,347	456,068	126,721
42137	CANYON-HH RANCH PROPERTIES	36,708	37,667	959
42138	CANYON-SUNFIELD	285,297	174,623	(110,674)
42139	CANYON-MONARCH UTILITIES, LP	82,227	84,373	2,146
42140	CANYON-MIRALOMAS MUD	110,125	113,000	2,875
42141	CANYON-SMALL WATER SALES	58,482	54,157	(4,325)
42150	WOMACK-NEW BRAUNFELS UTILITIES	-	430,350	430,350
	Total Wholesale Raw Water Sales	14,065,499	14,874,955	809,456
	Pipeline Revenue			
42501	O&M-IH35, BUDA	46,994	63,316	16,322
42502	O&M-IH35, GOFORTH	112,785	151,958	39,173
42503	O&M-IH35, KYLE	187,975	212,741	24,766
42504	O&M-IH35, MONARCH	34,287	46,195	11,908
42550	O&M-RRWDS, COSM	593,328	669,653	76,325
42551	O&M-RRWDS, BUDA	62,726	69,220	6,494
42552	O&M-RRWDS, GOFORTH	150,542	166,128	15,586
42553	O&M-GPP	564,885	631,333	66,448
42554	O&M-RRWDS, HELP	84,012	95,701	11,689
42555	O&M-RRWDS, KYLE	250,903	232,579	(18,324)
42556	O&M-RRWDS, CRWA	118,962	135,515	16,553
42557	O&M-RRWDS, MONARCH	45,765	50,503	4,738
	Total Pipeline Revenue	2,253,164	2,524,842	271,678
	Laboratory			
42801	REV-LABORATORY SERVICES	995,222	877,800	(117,422)
	Total Laboratory	995,222	877,800	(117,422)
	Recreation & Other Rentals			
42901	REV-FACILITY RENTAL	32,000	59,825	27,825
42902	REV-PARK ENTRY FEES	63,303	143,040	79,737
42903	REV-CONCESSIONS/STORE CHARGES	14,208	17,394	3,186
42915	REV-SPONSORSHIPS	-	2,000	2,000
42921	REV-HYDRO HOUSE RENTALS	-	4,200	4,200
	Total Recreation & Other Rentals	109,511	226,459	116,948
	Internal Transfers			
43002	REV-BUILDING RENTAL	190,404	190,404	-
	Total Internal Transfers	190,404	190,404	-
	Operating Interest			
44101	INT-OPR CASH ACCOUNTS	660	-	(660)

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
44110	INT-OPR INVESTMENT FUNDS	102,000	420,000	318,000
	Total Operating Interest	102,660	420,000	317,340
	Misc Income			
45120	INSPECTION FEE INCOME-BULVERDE	-	55,000	55,000
45195	MISCELLANEOUS REVENUES	76,326	-	(76,326)
	Total Misc Income	76,326	55,000	(21,326)
	Grant & Interlocal Agreement Income			
45301	GRANTS-FEDERAL	308,849	307,375	(1,474)
45302	GRANTS-STATE	30,000	20,000	(10,000)
45303	GRANTS-CLEAN RIVERS PROGRAM	117,156	186,980	69,824
45320	INTERLOCAL-CONTRIBUTED BY CUSTOMERS	26,759	194,925	168,166
	Total Grant & Interlocal Agreement Income	482,764	709,280	226,516
	Total Operating Revenue	18,275,550	19,878,740	1,603,190
	OPERATING EXPENSES			
	Salaries			
51101	LBR-REGULAR WAGES	5,077,422	5,802,948	725,526
51102	LBR-OVERTIME	96,351	158,263	61,912
	Total Salaries	5,173,773	5,961,211	787,438
	Benefits			
51298	BEN-BENEFIT ALLOCATION	2,095,379	2,414,297	318,918
	Total Benefits	2,095,379	2,414,297	318,918
	Operating Supplies & Services			
52101	OPR-POWER & UTILITIES	1,264,556	1,289,580	25,024
52102	OPR-AUXILIARY POWER EXPENSE	7,800	7,700	(100)
52103	OPR-CHEMICALS	177,500	149,500	(28,000)
52110	OPR-SMALL TOOLS AND SUPPLIES	55,950	37,050	(18,900)
52111	OPR-PUBLIC COMMUNICATIONS	105,000	127,000	22,000
52113	OPR-LAB SUPPLIES	82,000	81,100	(900)
52114	OPR-LABORATORY SERVICES-GBRA	252,922	251,920	(1,002)
52115	OPR-LABORATORY SERVICES-OUTSOURCED	65,000	65,000	-
52118	OPR-DISPOSAL SERVICES	11,140	11,140	-
52120	OPR-UNIFORMS	3,420	4,986	1,566
52121	OPR-SAFTY & EMERGENCY EXPENSE	6,244	11,256	5,012
52122	OPR-SECURITY EXPENSE	2,000	2,000	-
52123	OPR-EQUIPMENT RENTAL	26,500	26,500	-
52124	OPR-EQUIPMENT EXPENSE	45,586	73,331	27,745
52125	OPR-VEHICLE EXPENSE	22,200	23,832	1,632

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
52126 OPR-FLEET LEASE EXPENSE	1,200	1,200	-
52128 OPR-MOWING EXPENSE	24,000	16,200	(7,800)
52132 OPR-GAUGING AND MONITORING	42,000	20,760	(21,240)
52133 OPR-SCADA	35,000	6,600	(28,400)
52135 OPR-PROCESS/SPECIAL OPERATING	201,246	26,700	(174,546)
52145 OPR-CONTRACT LABOR	137,990	229,660	91,670
Total Operating Supplies & Services	2,569,254	2,463,015	(106,239)
Professional Services and Fees			
52201 OPR-PROFESSIONAL SERVICES-ENGINEERING	185,500	627,500	442,000
52202 OPR-PROFESSIONAL SERVICES-LEGAL	-	500,000	500,000
52205 OPR-PROFESSIONAL SERVICES-OTHER	1,106,300	898,600	(207,700)
52210 OPR-CORPS OF ENGINEERS	850,000	850,000	-
52211 OPR-USGS MONITORING	184,000	184,000	-
52214 OPR-EAA HABITAT CONSERVATION	400,000	400,000	-
52216 OPR-REGULATORY FEES	176,240	176,240	-
52220 OPR-BANK FEES	24,150	12,474	(11,676)
52222 OPR-MEMBERSHIPS & PUBLICATIONS	21,000	9,678	(11,322)
52223 OPR-LICENSE & TRAINING	50,500	69,912	19,412
52224 OPR-TRAVEL	107,000	84,595	(22,405)
Total Professional Services and Fees	3,104,690	3,812,999	708,309
Office Expenses			
52301 OPR-OFFICE SUPPLIES	28,000	24,326	(3,674)
52302 OPR-COMPUTER & SOFTWARE EXPENSE	30,500	64,500	34,000
52304 OPR-COPY SUPPLIES AND SERVICES	5,500	23,100	17,600
52305 OPR-POSTAGE AND FREIGHT EXPENSE	8,950	13,650	4,700
52306 OPR-COMMUNICATIONS	32,746	29,622	(3,124)
52321 OPR-ECONOMIC DEVELOPMENT	105,000	102,500	(2,500)
52322 OPR-MEDIA EXPENSE	1,992	2,920	928
52323 OPR-EMPLOYEE RELATIONS	-	1,000	1,000
52330 OPR-OUTSOURCED PRINTING EXPENSE	20,500	9,000	(11,500)
52331 OPR-JANITORIAL SUPPLIES AND SERVICE	2,004	13,880	11,876
Total Office Expenses	235,192	284,498	49,306
Other Operating Expenses			
52402 OPR-RENT EXPENSE	22,300	14,820	(7,480)
52404 OPR-RIGHT OF WAY	-	3,000	3,000
52420 OPR-INSURANCE EXPENSE	105,200	105,000	(200)
52430 OPR-MISC EXPENSE	42,892	28,680	(14,212)
Total Other Operating Expenses	170,392	151,500	(18,892)
SUBTOTAL OF OPERATIONAL EXPENSES	13,348,680	15,087,520	1,738,840

Maintenance and Repair Equipment

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
53101	M&R-EQUIPMENT	26,000	48,550	22,550
53105	M&R-GENERATORS	12,000	12,000	-
53115	M&R-METERS	-	7,000	7,000
53120	M&R-BOATS	10,800	11,550	750
	Total Maintenance and Repair Equipment	48,800	79,100	30,300
	Structures			
53201	M&R-BUILDING	29,444	30,712	1,268
53205	M&R-PUMPS AND MOTORS	144,000	137,000	(7,000)
53210	M&R-GATES AND VALVES	-	15,000	15,000
53216	M&R-PUMPSTATIONS	17,000	17,000	-
53225	M&R-FENCES	6,000	4,000	(2,000)
53230	M&R-PIPELINES	62,000	125,000	63,000
53250	M&R-LAKE STRUCTURES	1,224	756	(468)
53251	M&R-PARK STRUCTURES	4,704	4,920	216
	Total Structures	264,372	334,388	70,016
	Other Maintenance & Repairs			
53301	M&R-ROADS	43,720	12,552	(31,168)
53305	M&R-RIGHT OF WAY	21,000	24,000	3,000
53310	M&R-GROUNDS	15,376	23,960	8,584
53315	M&R-CAMP AND PICNIC SITES	7,268	3,240	(4,028)
53324	M&R-REMOVE LOG JAMS	26,200	26,200	-
53325	M&R-GENERAL MAINTENANCE	124,350	114,800	(9,550)
53399	M&R-MISC EXPENSE	40,000	30,240	(9,760)
	Total Other Maintenance & Repairs	277,914	234,992	(42,922)
	SUBTOTAL OF M&R EXPENSES	591,086	648,480	57,394
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	1,707,344	1,967,203	259,859
	Total Administrative & General	1,707,344	1,967,203	259,859
	Capital Outlay			
13201	STRUCTURES & IMPROVEMNETS	100,000	-	(100,000)
13208	SPECIALIZED OPER EQUIPMENT	-	8,000	8,000
13217	AUTO & HEAVY EQUIPMENT	230,000	100,000	(130,000)
13219	MISCELLANEOUS EQUIPMENT	60,000	-	(60,000)
	Total Capital Outlay	390,000	108,000	(282,000)
	Transfers			
61505	TRANSFERS-DESIGNATED PROJECT FUND	250,000	172,560	(77,440)
61510	TRANSFERS-RESTRICTED/BOND COVENANT FUND	1,071,478	1,083,722	12,244
	Total Transfers	1,321,478	1,256,282	(65,196)

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
TOTAL OPERATING AND M&R EXPENSES	17,358,588	19,067,485	1,708,897
Net Operating Income	916,962	811,255	(105,707)

DEBT SERVICE BUDGET

Capacity Charge Revenue				
42601	DEBT SERV-RRWDS, COSM	662,220	667,721	5,501
42602	DEBT SERV-RRWDS, BUDA	103,985	103,985	-
42603	DEBT SERV-RRWDS, GOFORTH	170,518	239,878	69,360
42604	DEBT SERV-RRWDS, KYLE	337,928	337,928	-
42605	DEBT SERV-RRWDS, MONARCH	34,962	34,962	-
42606	DEBT SERV-RRWDS, SUNFIELD	171,705	102,338	(69,367)
42607	DEBT SERV-RRWDS, CRWA	138,847	138,847	-
42608	DEBT SERV-RRWDS, HELP	152,632	152,632	-
42640	DEBT SERV-2013 IH35, BUDA	167,523	167,523	-
42641	DEBT SERV-2013 IH35, GOFORTH	274,738	386,672	111,934
42642	DEBT SERV-2013 IH35, KYLE	542,775	542,775	-
42643	DEBT SERV-2013 IH35, MONARCH	55,841	55,841	-
42644	DEBT SERV-2013 IH35, SUNFIELD	276,971	165,038	(111,933)
42655	DEBT SERV-2013 WCANYON, BREMER	9,501	9,501	-
42656	DEBT SERV-2013 WCANYON, BOERNE	463,154	617,539	154,385
42657	DEBT SERV-2013 WCANYON, CLWSC	342,972	342,972	-
42658	DEBT SERV-2013 WCANYON, COMAL TRACE	35,627	35,627	-
42659	DEBT SERV-2013 WCANYON, CORDILLERA RANCH	201,888	201,888	-
42660	DEBT SERV-2013 WCANYON, COUSER	9,501	9,501	-
42661	DEBT SERV-2013 WCANYON, FAIR OAKS	447,478	447,478	-
42662	DEBT SERV-2013 WCANYON, JOHNSON RANCH	142,509	142,509	-
42663	DEBT SERV-2013 WCANYON, MIRALOMAS	106,882	106,882	-
42664	DEBT SERV-2013 WCANYON, SAWS	3,465,819	3,311,434	(154,385)
42665	DEBT SERV-2013 WCANYON, KENDALL WEST	95,006	95,006	-
42670	DEBT SERV-2016 SMWTP, BUDA	37,458	37,228	(230)
42671	DEBT SERV-2016 SMWTP, GOFORTH	61,431	85,930	24,499
42672	DEBT SERV-2016 SMWTP, KYLE	121,364	120,620	(744)
42673	DEBT SERV-2016 SMWTP, MONARCH	12,486	12,409	(77)
42674	DEBT SERV-2016 SMWTP, SUNFIELD	61,931	36,676	(25,255)
Total Capacity Charge Revenue		8,705,652	8,709,340	3,688
Total Debt Revenue		8,705,652	8,709,340	3,688

	FY 2019	FY 2020	FY 2020-2019
Principal Payments Expense	BUDGET	BUDGET	DIFFERENCE
21101 LOAN-1977 CORP OF ENGINEERS	257,746	264,190	6,444
21103 LOAN-2006 WTR RIGHTS, Luling Foundation	21,612	-	(21,612)
21104 LOAN-2006 WTR RIGHTS, Ussery	12,696	-	(12,696)
21110 LOAN-2016 PRESS/TRUCK, WFargo	36,824	38,114	1,290
21150 LOAN-BUDGET PRINCIPAL	75,932	75,932	-
21201 BOND-2007 RRWDS	113,333	123,333	10,000
21202 BOND-2010 RRWDS	500,000	520,000	20,000
21203 BOND-2011 GEN IMP	546,667	567,083	20,416
21204 BOND-2012 MID-BASIN	225,000	225,000	-
21205 BOND-2013 IH35	602,083	626,250	24,167
21206 BOND-2013 WCANYON	2,429,583	2,532,917	103,334
21209 BOND-2016 SMWTP	95,000	95,417	417
21211 BOND-2017 RRWDS	246,667	253,333	6,666
Total Principal Payments Expense	5,163,143	5,321,569	158,426
Interest Expense			
57201 INT-1977 CANYON COE	51,145	44,701	(6,444)
57202 INT-2006 WATER RIGHTS	26,492	-	(26,492)
57203 INT-2007 RRWDS	353,735	345,723	(8,012)
57204 INT-2010 RRWDS	102,018	87,019	(14,999)
57205 INT-2011 GEN IMP BONDS	280,890	259,023	(21,867)
57206 INT-2012 MID-BASIN BONDS	37,239	36,524	(715)
57207 INT-2013 IH35 BONDS	599,332	570,659	(28,673)
57208 INT-2013 WCANYON BONDS	2,410,023	2,305,663	(104,360)
57210 INT-2016 SMWTP	172,724	170,824	(1,900)
57211 INT-2016 PRESS/TRUCK, WFargo	11,473	10,182	(1,291)
57212 INT-2017 RRWDS	254,898	249,131	(5,767)
57250 INT-BUDGET LOAN EXPENSE	119,577	119,577	-
Total Interest Expense	4,419,546	4,199,026	(220,520)
Total Debt Expense	9,582,689	9,520,595	(62,094)
Net Change in Debt Service Budget	(877,037)	(811,255)	65,782
Net Change in Fund Balance	39,925	-	(39,925)

Water Sales - Capital Outlay Expense

Description	FY 2020
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Capital Outlay Funded From Current Revenues

BOD Incubator	\$	4,000
Replacement Kubota U45 Trackhoe	\$	65,000
Replacement Refrigerator	\$	4,000
Side by Side ATV	\$	35,000
<hr/> Total Water Sales Capital Outlay Expense		<hr/> \$ 108,000

Water Sales - Designated Project Fund

Project Description	FY 2020
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Projects Funded From Other Sources

FM 110 Relocate-North	172,560
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Total Water Sales Designated Project Fund	\$	172,560
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Removing log jams above the
Salt Water Barrier on “Miss
Guadalupe II”



Calhoun Canal

This system diverts water from the Guadalupe River into the GBRA main canal for distribution to industrial, municipal, and agricultural customers in Calhoun County through a series of irrigation canals, pump stations and pipelines.

The system provides a raw water supply for the Port Lavaca Water Treatment Plant and industrial refinery operations operated by Seadrift Coke, INEOS Nitriles and Dow Chemical. It also delivers irrigation water to agricultural users, including the Calhoun County rice industry.

As part of the Water Supply System operation, ongoing maintenance to the Lower Guadalupe Diversion Dam and Salt Water Barrier near Tivoli provides efficient diversion and protects the area water supply from salt water contamination. Clearing log jams from the lower reaches of the Guadalupe River also improves water delivery efficiencies and prevents course changes.

In addition, the division conducts water quality monitoring and testing services, as well as billing and contract administration services.

- Service Provided: Water supply
- Location: Calhoun County, TX
- Startup Operation Date: 1962

- # of Current Employees: 6
- Budgeted Revenue: \$1,344,627

Water Resource Division

Calhoun Canal System

Operating Plan for Fiscal Year Ending 8/31/20

BACKGROUND

The Calhoun Canal System utilizes a system of diversion canals, check structures, pump stations and pipelines to deliver water diverted from the Guadalupe River to the customers in Calhoun County including Dow-Union Carbide, Ineos Nitriles Green Lake, Seadrift Coke LLC, the City of Port Lavaca, the Calhoun County Rural Water Supply System, the Port O'Connor Improvement District, and the farmers and ranchers who irrigate rice, cotton, corn, and pasture, or impound water for aquaculture ventures. Calhoun Canal System personnel are responsible for the daily operation and maintenance of river diversion structures, the Guadalupe River Diversion Dam and Salt Water Barrier, one pump station, two smaller saltwater barriers, approximately 80 miles of delivery canals, and eight miles of water delivery pipeline. Operating and maintaining these structures and the removal of logjams in the lower Guadalupe River Basin is the responsibility of Canal System personnel.

The Calhoun Canal System is supervised by the Division Manager of Calhoun/Refugio Counties. The division is operated by six full-time employees, including a Chief Water Tender and three Water Tenders who manage the diversion and distribution of water from the Guadalupe River to the various customers of the system. Canal Division maintenance is performed by a Maintenance Chief and an Equipment Operator. Additional support is received from the Seguin office in the form of engineering and administrative functions.

REVENUE SOURCES AND TRENDS

Revenue in the Canal System will continue to come primarily from municipal and industrial water supply customers. These customers require the presence of vital canal infrastructure to serve their continuing needs for a dependable supply of fresh water. For FY 2020, revenue from water supplied to municipal and industrial customers is budgeted to increase from \$1,233,919 to \$1,247,143. Municipal revenue is relatively stable while industrial revenue is increased slightly due to a higher projected usage by Dow-Union Carbide which has a petrochemical plant adjacent to GBRA's main canal.

The base municipal and industrial rate will increase to 19.5¢ per thousand gallons in FY 2020.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

Significant operating expenses for FY 2020 include \$35,892 for electrical power to operate the Relift #1 Pump Station, \$35,160 in tractor operating costs, \$30,000 in truck operating costs, \$15,000 for stream gaging, \$40,000 in assessments pertaining to the TCEQ South Texas Watermaster Program, and \$43,000 in insurance costs. Additionally, \$415,842 is budgeted for the Canal Division's payment of operating costs associated with the Dow-Union Carbide raw water pump station. GBRA shares the costs of this pump station with Dow-Union Carbide based upon the relative volume of water pumped through the station and subsequently delivered to Dow and GBRA.

Maintenance expenses include \$12,000 for the repair or purchase of pipe and water gate assemblies, and \$48,960 in materials and services for repairs to levees and canal crossings.

FUND BALANCE

Funds for the above listed operating expenditures as well as the other expenditures that are summarized in the following pages will be provided by revenues from customer billings. The division's fund balance amounts to \$396.



Staffing Summary

Calhoun Canal	# of Authorized Positions (FTE)		
	2018	2019	2020
Chief Water Tender	1	1	1
Heavy Equipment Operator	1	1	1
Maintenance Chief	1	1	1
Water Tender	3	3	3
Total	6	6	6

Changes from FY 2018 to FY 2019

No staffing changes for this division.

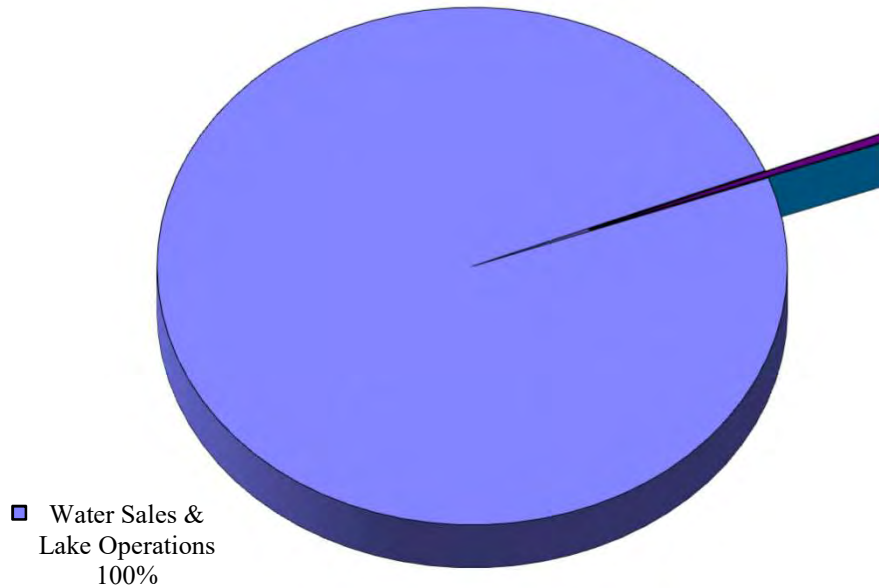
Changes from FY 2019 to FY 2020

No staffing changes for this division.



Budget Summary

REVENUES - Calhoun Canal

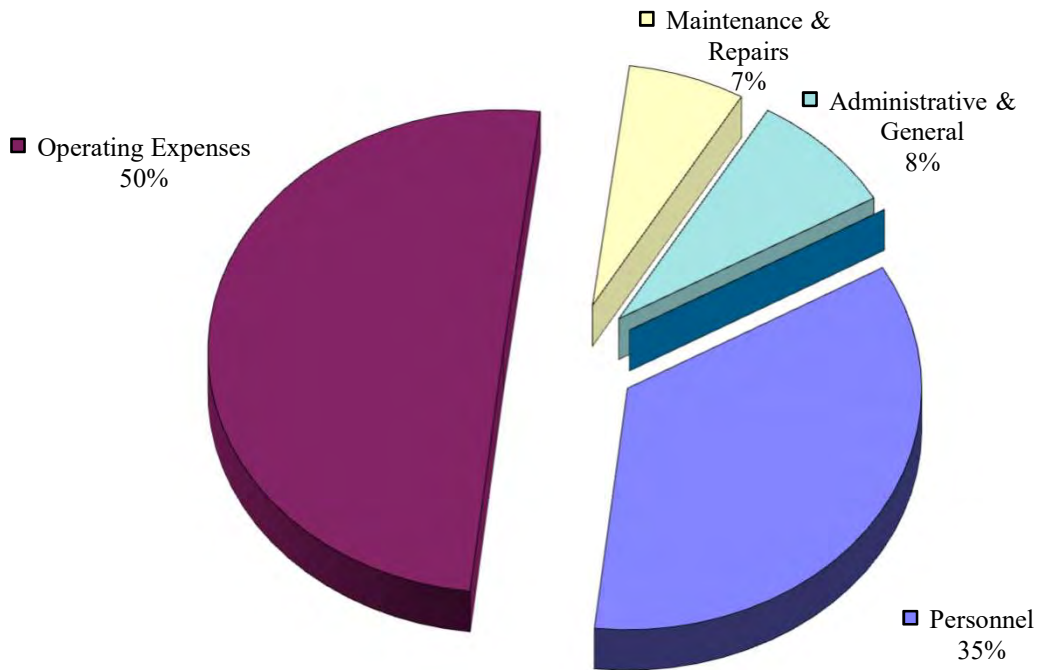


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations	1,443,076	1,324,319	1,338,243
Recreation & Land Use			
Wastewater Services			
Laboratory Services			
Rentals	6,384	6,384	6,384
Administrative & General			
Miscellaneous Income	31,130	6,000	
Total Operating Revenue	1,480,590	1,336,703	1,344,627
Interest Income	303		
Grand Total Revenues	1,480,893	1,336,703	1,344,627



Budget Summary

EXPENSES - Calhoun Canal



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	345,053	432,254	472,129
Operating Expenses	489,842	685,960	675,010
Maintenance & Repairs	118,355	82,155	86,200
Administrative & General	80,578	101,526	110,892
Total Operating Expenses	1,033,828	1,301,895	1,344,231
Interest Expense		4,026	
Capital Outlay			
Debt Service		30,782	
Grand Total Expenses	1,033,828	1,336,703	1,344,231

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020**

043 - Calhoun Canal

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET			
OPERATING REVENUES			
Wholesale Raw Water Sales			
42170 CANAL-PT LAVACA	101,798	107,301	5,503
42171 CANAL-RURAL WATER	17,447	18,390	943
42172 CANAL-CARBIDE	840,042	843,028	2,986
42173 CANAL-INEOS	230,118	233,033	2,915
42174 CANAL-SPRINKLER IRRIGATION	27,000	27,000	-
42175 CANAL-SEADRIFT COKE	25,922	25,794	(128)
42176 CANAL-CRAWFISH FARM	9,000	9,000	-
42177 CANAL-PONDS & RIGS	12,100	12,100	-
42178 CANAL-WATERFOWL	15,600	25,000	9,400
42179 CANAL-POC IDC	18,592	19,597	1,005
42180 CANAL-CATFISH FARM	8,700	-	(8,700)
42181 CANAL-OTHER	18,000	18,000	-
Total Wholesale Raw Water Sales	1,324,319	1,338,243	13,924
Internal Transfers			
43002 REV-BUILDING RENTAL	6,384	6,384	-
Total Internal Transfers	6,384	6,384	-
Misc Income			
45195 MISCELLANEOUS REVENUES	6,000	-	(6,000)
Total Misc Income	6,000	-	(6,000)
Total Operating Revenue	1,336,703	1,344,627	7,924
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	255,379	289,867	34,488
51102 LBR-OVERTIME	52,275	46,168	(6,107)
Total Salaries	307,654	336,035	28,381
Benefits			

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
51298	BEN-BENEFIT ALLOCATION	124,600	136,094	11,494
	Total Benefits	124,600	136,094	11,494
	Operating Supplies & Services			
52101	OPR-POWER & UTILITIES	35,892	35,892	-
52103	OPR-CHEMICALS	600	600	-
52110	OPR-SMALL TOOLS AND SUPPLIES	3,600	3,600	-
52113	OPR-LAB SUPPLIES	660	660	-
52120	OPR-UNIFORMS	4,800	4,800	-
52121	OPR-SAFTY & EMERGENCY EXPENSE	4,600	4,600	-
52122	OPR-SECURITY EXPENSE	2,760	2,760	-
52124	OPR-EQUIPMENT EXPENSE	35,160	35,160	-
52125	OPR-VEHICLE EXPENSE	30,000	30,000	-
52126	OPR-FLEET LEASE EXPENSE	9,600	9,600	-
52133	OPR-SCADA	-	1,550	1,550
52135	OPR-PROCESS/SPECIAL OPERATING	600	-	(600)
52145	OPR-CONTRACT LABOR	3,600	3,600	-
52150	OPR-WATER PURCHASES/DELIVERY	415,842	415,842	-
	Total Operating Supplies & Services	547,714	548,664	950
	Professional Services and Fees			
52205	OPR-PROFESSIONAL SERVICES-OTHER	1,800	1,800	-
52211	OPR-USGS MONITORING	30,000	15,000	(15,000)
52216	OPR-REGULATORY FEES	40,000	40,000	-
52222	OPR-MEMBERSHIPS & PUBLICATIONS	720	720	-
52223	OPR-LICENSE & TRAINING	1,056	1,056	-
52224	OPR-TRAVEL	1,200	1,200	-
	Total Professional Services and Fees	74,776	59,776	(15,000)
	Office Expenses			
52301	OPR-OFFICE SUPPLIES	2,400	2,400	-
52302	OPR-COMPUTER SUPPLIES	6,650	6,650	-
52306	OPR-COMMUNICATIONS	6,360	6,360	-
52322	OPR-MEDIA EXPENSE	1,200	1,200	-
	Total Office Expenses	16,610	16,610	-
	Other Operating Expenses			
52404	OPR-RIGHT OF WAY	2,400	2,400	-
52420	OPR-INSURANCE EXPENSE	39,900	43,000	3,100
52430	OPR-MISC EXPENSE	4,560	4,560	-
	Total Other Operating Expenses	46,860	49,960	3,100
	SUBTOTAL OF OPERATIONAL EXPENSES	1,118,214	1,147,139	28,925
	Maintenance and Repair Equipment			

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
53101	M&R-EQUIPMENT	4,800	4,800	-
53115	M&R-METERS	2,160	2,160	-
	Total Maintenance and Repair Equipment	6,960	6,960	-
	Structures			
53201	M&R-BUILDING	6,960	6,960	-
53205	M&R-PUMPS AND MOTORS	-	4,500	4,500
53210	M&R-GATES AND VALVES	12,555	12,000	(555)
53230	M&R-PIPELINES	1,200	1,200	-
	Total Structures	20,715	24,660	3,945
	Other Maintenance & Repairs			
53301	M&R-ROADS	-	100	100
53310	M&R-GROUNDS	4,080	4,080	-
53325	M&R-GENERAL MAINTENANCE	48,960	48,960	-
53399	M&R-MISC EXPENSE	1,440	1,440	-
	Total Other Maintenance & Repairs	54,480	54,580	100
	SUBTOTAL OF M&R EXPENSES	82,155	86,200	4,045
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	101,526	110,892	9,366
	Total Administrative & General	101,526	110,892	9,366
	TOTAL OPERATING AND M&R EXPENSES	1,301,895	1,344,231	42,336
	Net Operating Income	34,808	396	(34,412)

DEBT SERVICE BUDGET

	Principal Payments Expense			
21150	LOAN-BUDGET PRINCIPAL	30,782	-	(30,782)
	Total Principal Payments Expense	30,782	-	(30,782)
	Interest Expense			
57250	INT-BUDGET LOAN EXPENSE	4,026	-	(4,026)
	Total Interest Expense	4,026	-	(4,026)
	Total Debt Expense	34,808	-	(34,808)

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
Net Change in Debt Service Budget	<u>(34,808)</u>	<u>-</u>	<u>34,808</u>
Net Change in Fund Balance	<u>-</u>	<u>396</u>	<u>396</u>



San Marcos WTP

This division operates and manages the San Marcos Water Treatment Plant, which is capable of producing 21 mgd of high quality drinking water. Raw water from Canyon Reservoir is pumped from Lake Dunlap through a 20-mile pipeline, treated to meet state and federal drinking standards, and delivered to the cities of San Marcos, Kyle, Buda, as well as the Goforth Special Utility District, Monarch Utilities, and Sunfield Municipal Utility District.

The plant is owned by the City of San Marcos, which selected GBRA to be the contract operator of this \$7.2 million facility. Operations began in January 2000 with an initial treatment capacity of 6 mgd.

The plant's water source is stored water from Canyon Reservoir, contracted by the City of San Marcos and others. GBRA built and owns the pump station at Lake Dunlap that diverts the stored water, and the 20 miles of pipeline that delivers the water to the plant for treatment.

The conversion to surface water has reduced the City of San Marcos' daily pumping from the Edwards Aquifer by an average of 75%. Reduced pumping protects the spring flow contributions to the Guadalupe River from the Comal Springs and the San Marcos Springs. Existing city wells can be reserved for use as supplemental resources during peak usage periods.

-
- | | |
|--|---------------------------------------|
| • Service Provided: Water treatment | • Plant Capacity: 21 MGD |
| • Location: San Marcos, TX | • # of Gallons Treated: 3,998,126,000 |
| • Startup Operation Date: January 2000 | • # of Current Employees: 8 |
| • Service Area: Hays County, TX | • Budgeted Revenue: \$2,182,424 |

Water Resource Division

San Marcos Water Treatment Plant

Operating Plan for Fiscal Year Ending 8/31/20

BACKGROUND

The Guadalupe-Blanco River Authority entered into a five-year agreement with the City of San Marcos in December 2015 to operate the surface water and ground water production facilities for the City. The surface water treatment plant is located between State Highways 21 and 80 on the east side of San Marcos. Raw water for the plant is supplied from Canyon Reservoir. GBRA owns and operates the 20-mile pipeline that delivers water from Lake Dunlap, downstream of Canyon Dam.

The ground water system consists of six wells that provide the City with water from the Edwards Aquifer and six booster pump stations. The wells supply water to those areas of the City not served by the surface water treatment plant and supplements the surface water supply during times when the plant capacity is not adequate to meet City demand. GBRA is responsible for the operations and maintenance of the booster stations and chemical feed systems associated with the ground water system. The City continues to maintain the wells, control systems, and water distribution system.

The nominal rating of the surface water treatment plant is 21 million gallons per day and is operated to produce the base water requirements for the City. In addition to supplying San Marcos its water needs, GBRA has contracted with and is supplying other water customers from the plant by way of the IH-35 transmission pipeline and pump station that was completed during 2006. Customers of the IH-35 Treated Water Delivery System are the Cities of Kyle and Buda, Monarch Water Supply, and the Goforth Special Utility District. GBRA expanded the capacity of the treatment plant from 9 to 21 million gallons per day to serve customers of the IH-35 TWDS. Income and expenses for the IH-35 system are shown in the Water Sales portion of the Water Resources budget.

A Plant Manager, Chief Operator, and six Operators staff the plant. Operations are continuous, 24 hours a day, and include managing the water deliveries through the raw water pipeline and the IH35 TWDS, operating and maintaining the plant, and monitoring treated water quality to insure it meets contractual requirements. Specialized instrumentation and electrical maintenance labor is supplied through interdivisional transfers of personnel, and predictive maintenance of equipment is contracted with outside vendors.

REVENUE SOURCES AND TRENDS

This operating budget includes an annual service fee of \$988,420 payable by the City in monthly installments. Additionally, the City reimburses GBRA for the actual costs incurred for power, chemicals, insurance, and a letter of credit. In FY 2020, these pass through reimbursements are projected to total \$958,704. Revenue from other water customers is estimated to be \$924,647.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

The total operating costs budgeted for FY 2020 is \$2,202,458. Significant costs within the budget include personnel costs at \$643,542, power and utilities at \$454,320, chemicals at \$379,384, clarifier maintenance including painting the clarifier #1 at \$100,000, and administrative expenses at \$151,152. Power and chemical costs are based on a daily average flow of 10.95 MGD at the Plant, and 1.37 MGD at the Wells.

FUND BALANCE

The budget projects a fund balance of \$0.



Staffing Summary

San Marcos WTP	# of Authorized Positions (FTE)		
	2018	2019	2020
Plant Manager	1	1	1
Chief Operator	1	1	1
Operator	6	6	6
Total	8	8	8

Changes from FY 2018 to FY 2019

No staffing changes for this division.

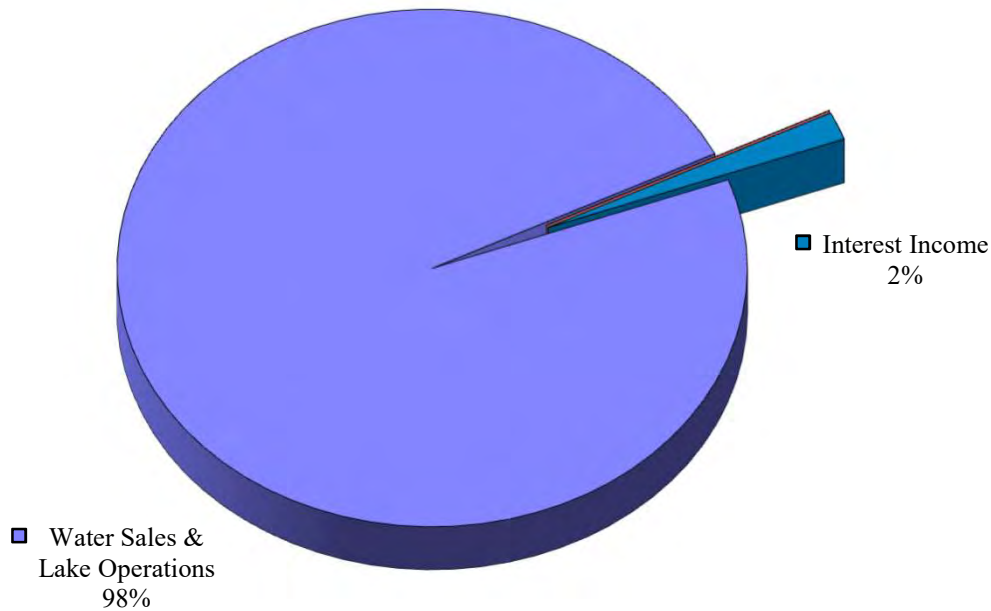
Changes from FY 2019 to FY 2020

No staffing changes for this division.



Budget Summary

REVENUES - San Marcos WTP

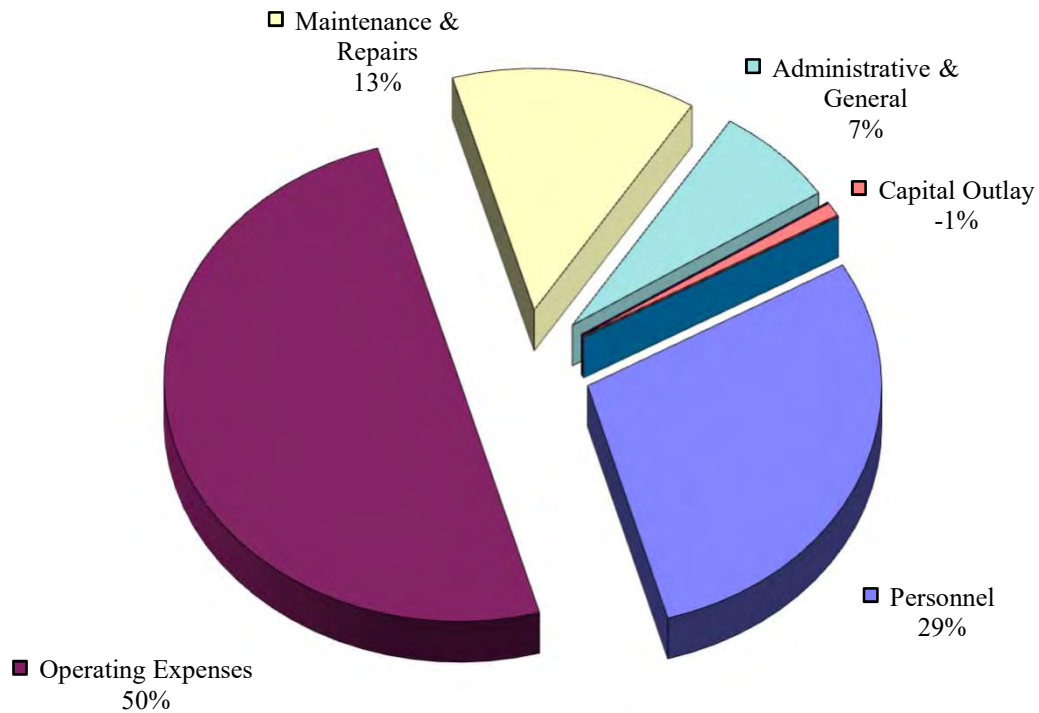


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations	1,024,561	963,308	988,420
Recreation & Land Use			
Wastewater Services			
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	40,608		
Total Operating Revenue	1,065,169	963,308	988,420
Interest Income	14,277	10,000	17,500
Pass-Through Cost Reimbursement	755,693	1,103,007	958,704
O&M Pipeline Revenue	196,587	163,969	217,800
Grand Total Revenues	2,031,726	2,240,284	2,182,424



Budget Summary

EXPENSES - San Marcos WTP



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	604,120	604,345	643,542
Operating Expenses	913,433	1,228,097	1,109,164
Maintenance & Repairs	333,813	293,964	298,600
Administrative & General	140,434	141,946	151,152
Total Operating Expenses	1,991,800	2,268,352	2,202,458
Interest Expense			
Capital Outlay		(28,068)	(20,034)
Debt Service			
Grand Total Expenses	1,991,800	2,240,284	2,182,424

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020**

044 - San Marcos WTP

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET			
OPERATING REVENUES			
Wholesale Water Treatment			
42201 ANNUAL SERVICE FEE INCOME	963,308	988,420	25,112
Total Wholesale Water Treatment	963,308	988,420	25,112
Pipeline Revenue			
42570 O&M-SMWTP, COSM	(804,023)	(706,847)	97,176
42571 O&M-SMWTP, BUDA	119,070	123,457	4,387
42572 O&M-SMWTP, GOFORTH	285,768	296,298	10,530
42573 O&M-SMWTP, KYLE	476,280	414,817	(61,463)
42574 O&M-SMWTP, MONARCH	86,874	90,075	3,201
Total Pipeline Revenue	163,969	217,800	53,831
Operating Interest			
44101 INT-OPR CASH ACCOUNTS	10,000	-	(10,000)
44110 INT-OPR INVESTMENT FUNDS	-	17,500	17,500
Total Operating Interest	10,000	17,500	7,500
Pass-Through Costs			
45240 PASS-THROUGH-ELECTRIC COSTS	379,524	369,820	(9,704)
45241 PASS-THROUGH-CHEMICAL COSTS	482,181	360,869	(121,312)
45242 PASS-THROUGH-GNDWTR ELECTRIC COSTS	109,186	94,500	(14,686)
45243 PASS-THROUGH-GNDWTR CHEMICAL COSTS	17,536	18,515	979
45244 PASS-THROUGH-INSURANCE	35,300	28,000	(7,300)
45245 PASS-THROUGH-LOC	9,280	12,000	2,720
45246 PASS-THROUGH-INSPECTION	70,000	75,000	5,000
Total Pass-Through Costs	1,103,007	958,704	(144,303)
Total Operating Revenue	2,240,284	2,182,424	(57,860)
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	394,863	457,183	62,320

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
51102	LBR-OVERTIME	35,276	854	(34,422)
	Total Salaries	430,139	458,037	27,898
	Benefits			
51298	BEN-BENEFIT ALLOCATION	174,206	185,505	11,299
	Total Benefits	174,206	185,505	11,299
	Operating Supplies & Services			
52101	OPR-POWER & UTILITIES	488,710	454,320	(34,390)
52102	OPR-AUXILIARY POWER EXPENSE	-	10,000	10,000
52103	OPR-CHEMICALS	499,717	379,384	(120,333)
52110	OPR-SMALL TOOLS AND SUPPLIES	3,020	3,020	-
52113	OPR-LAB SUPPLIES	18,400	21,900	3,500
52114	OPR-LABORATORY SERVICES-GBRA	2,500	3,150	650
52115	OPR-LABORATORY SERVICES-OUTSOURCED	1,000	1,000	-
52118	OPR-DISPOSAL SERVICES	50,000	60,000	10,000
52120	OPR-UNIFORMS	4,000	4,600	600
52121	OPR-SAFETY & EMERGENCY EXPENSE	1,500	2,000	500
52124	OPR-EQUIPMENT EXPENSE	1,000	-	(1,000)
52125	OPR-VEHICLE EXPENSE	10,360	10,000	(360)
52126	OPR-FLEET LEASE EXPENSE	1,200	1,200	-
52133	OPR-SCADA	-	1,000	1,000
52135	OPR-PROCESS/SPECIAL OPERATING	13,500	13,500	-
	Total Operating Supplies & Services	1,094,907	965,074	(129,833)
	Professional Services and Fees			
52205	OPR-PROFESSIONAL SERVICES-OTHER	7,000	7,000	-
52217	OPR-INSPECTION FEES	70,000	75,000	5,000
52220	OPR-BANK FEES	-	12,000	12,000
52222	OPR-MEMBERSHIPS & PUBLICATIONS	1,500	1,500	-
52223	OPR-LICENSE & TRAINING	5,000	5,000	-
52224	OPR-TRAVEL	-	1,000	1,000
	Total Professional Services and Fees	83,500	101,500	18,000
	Office Expenses			
52301	OPR-OFFICE SUPPLIES	3,500	3,500	-
52302	OPR-COMPUTER SUPPLIES	3,800	3,800	-
52305	OPR-POSTAGE AND FREIGHT EXPENSE	-	200	200
52306	OPR-COMMUNICATIONS	4,440	4,440	-
52322	OPR-MEDIA EXPENSE	650	650	-
	Total Office Expenses	12,390	12,590	200
	Other Operating Expenses			
52420	OPR-INSURANCE EXPENSE	35,300	28,000	(7,300)
52430	OPR-MISC EXPENSE	2,000	2,000	-

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
Total Other Operating Expenses	37,300	30,000	(7,300)
SUBTOTAL OF OPERATIONAL EXPENSES	1,832,442	1,752,706	(79,736)
Maintenance and Repair Equipment			
53101 M&R-EQUIPMENT	35,800	35,800	-
53105 M&R-GENERATORS	8,000	8,000	-
53115 M&R-METERS	5,800	10,000	4,200
Total Maintenance and Repair Equipment	49,600	53,800	4,200
Structures			
53201 M&R-BUILDING	4,800	4,800	-
53202 M&R-CLEARWELLS	2,900	2,900	-
53205 M&R-PUMPS AND MOTORS	8,500	10,000	1,500
53216 M&R-PUMPSTATIONS	18,500	20,000	1,500
53220 M&R-CLARIFIERS	90,000	100,000	10,000
53238 M&R-FILTERS	81,034	82,000	966
Total Structures	205,734	219,700	13,966
Other Maintenance & Repairs			
53301 M&R-ROADS	1,200	1,200	-
53310 M&R-GROUNDS	33,500	20,000	(13,500)
53320 M&R-PONDS AND LAGOONS	700	700	-
53325 M&R-GENERAL MAINTENANCE	2,450	2,450	-
53399 M&R-MISC EXPENSE	780	750	(30)
Total Other Maintenance & Repairs	38,630	25,100	(13,530)
SUBTOTAL OF M&R EXPENSES	293,964	298,600	4,636
Administrative & General			
54100 ADMINISTRATIVE & GENERAL	141,946	151,152	9,206
Total Administrative & General	141,946	151,152	9,206
Transfers			
61515 TRANSFERS-RESERVE FUND	(28,068)	(20,034)	8,034
Total Transfers	(28,068)	(20,034)	8,034
TOTAL OPERATING AND M&R EXPENSES	2,240,284	2,182,424	(57,860)
Net Operating Income	-	-	-
Net Change in Fund Balance	-	-	-



Buda WWTP

The Buda wastewater treatment plant treats up to 1.5 million gallons per day (mgd) under contract with the City of Buda. GBRA assumed operations of the Buda WWTP in October 2001 after the plant expansion in July 2001. Located in the environmentally sensitive Onion Creek watershed, the plant is operated as a "complete mix, activated sludge system" utilizing two clarifiers and three filters for biosolids and phosphorus removal. Sludge handling is facilitated by a 2 meter belt filter press. Reuse water is supplied to the City for irrigation of rights of way and parks.

The plant has been expanded twice since GBRA began operations and is slated for a third expansion to 3.75 MGD during Fiscal Year 2019.

-
- | | |
|--|---------------------------------|
| • Service Provided: Wastewater treatment | • Capacity: 1.5 MGD |
| • Location: Buda, TX | • # of Current Employees: 2 |
| • Startup Operation Date: 2001 | • Budgeted Revenue: \$1,035,428 |
| • Customer: City of Buda | |

Water Resource Division

Buda Wastewater Treatment Plant System

Operating Plan for Fiscal Year Ending 8/31/20

BACKGROUND

After signing a contract with the City of Buda in September 2001, GBRA assumed operation of the City's wastewater plant on October 1, 2001. The contract between the City of Buda and GBRA provides that GBRA will bill the City the actual cost of operating and maintaining the plant. As a result, revenue is matched to expenses and GBRA does not over-recover nor under-recover the cost of operating the plant. The plant was expanded during Fiscal Year 2012 with a current treatment capacity of 1.5 MGD. Construction recently began to expand the plant treatment capacity to 3.5 MGD.

Five licensed wastewater treatment professionals operate and maintain the plant. In addition, some contract labor and support from other GBRA Divisions is included in the form of electrical, preventive maintenance, supervision, engineering, purchasing, laboratory, and administrative functions. GBRA's budget forecast includes all payroll and employee benefit expenses. The Chief Operator of GBRA's Shadow Creek System supervises the Buda Wastewater Treatment Plant. Serving as a facilitator to the team will be the Division Manager-Hays/Caldwell Counties.

REVENUE SOURCES AND TRENDS

The following Work Plan and Budget for the Buda Wastewater Treatment Plant is based on the treatment of an average sewage flow of 444 million gallons per year or 1.216 million gallons per day (MGD) and is based upon a 12-month fiscal year ending August 31, 2020. Since the City funded the 2007, 2012, and 2018 expansion projects, no debt service is included in this budget.

The budget is based on total estimated annual wastewater to be treated of 444,000,000 gallons. The budgeted FY 2020 revenue for the Buda Division is \$1,035,428, which is \$145,161 or 16.3% more than last year's budget.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

The combined capital additions and operating expenditure budget for FY 2020 amounts to \$1,035,428. Major expenses include power and utility costs of \$145,000, biosolids disposal costs of \$87,000, and chemical costs of \$91,700. Also, lab supplies and expenses are estimated at \$42,500.

The budget assumes that the City of Buda will be completely responsible for insurance and risk management. Additionally, the budget includes the standard administration and general cost percentage charged to all operating divisions of GBRA.

FUND BALANCE

Funds for the above listed capital additions and maintenance projects as well as all of the other operating expenditures summarized in the following pages will be provided from revenues from the City of Buda. Since this system represents a contract operation in which GBRA does not over-recover nor under-recover its costs, the net change in fund balance for FY 2020 is \$0.



Staffing Summary

Buda WWTP	# of Authorized Positions (FTE)		
	2018	2019	2020
Operator	2	2	2
Total	2	2	2

Changes from FY 2018 to FY 2019

No staffing changes for this division.

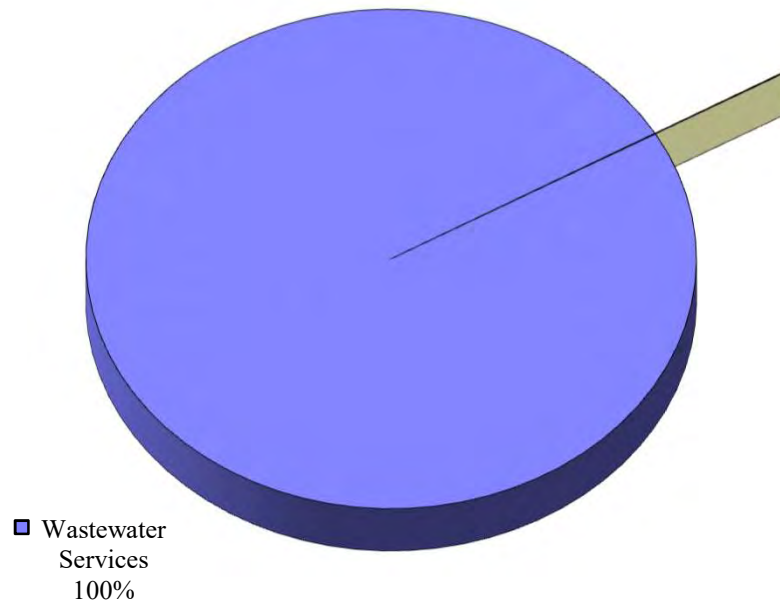
Changes from FY 2019 to FY 2020

No staffing changes for this division.



Budget Summary

REVENUES -Buda WWTP

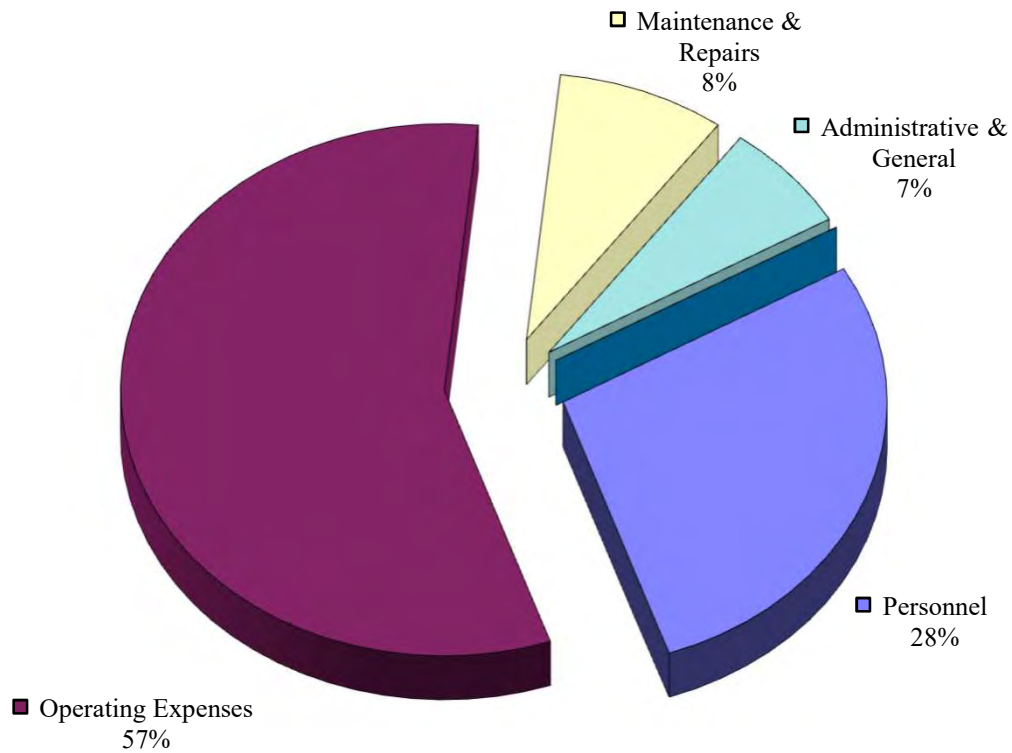


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services	749,767	888,467	1,033,103
Laboratory Services			
Rentals		1,800	1,800
Administrative & General			
Miscellaneous Income			
Total Operating Revenue	749,767	890,267	1,034,903
Interest Income	560		525
Grand Total Revenues	750,327	890,267	1,035,428



Budget Summary

EXPENSES - Buda WWTP



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	180,693	272,122	290,133
Operating Expenses	410,265	416,830	590,050
Maintenance & Repairs	116,773	137,400	87,100
Administrative & General	42,596	63,915	68,145
Total Operating Expenses	750,327	890,267	1,035,428
Interest Expense			
Capital Outlay			
Debt Service			
Grand Total Expenses	750,327	890,267	1,035,428

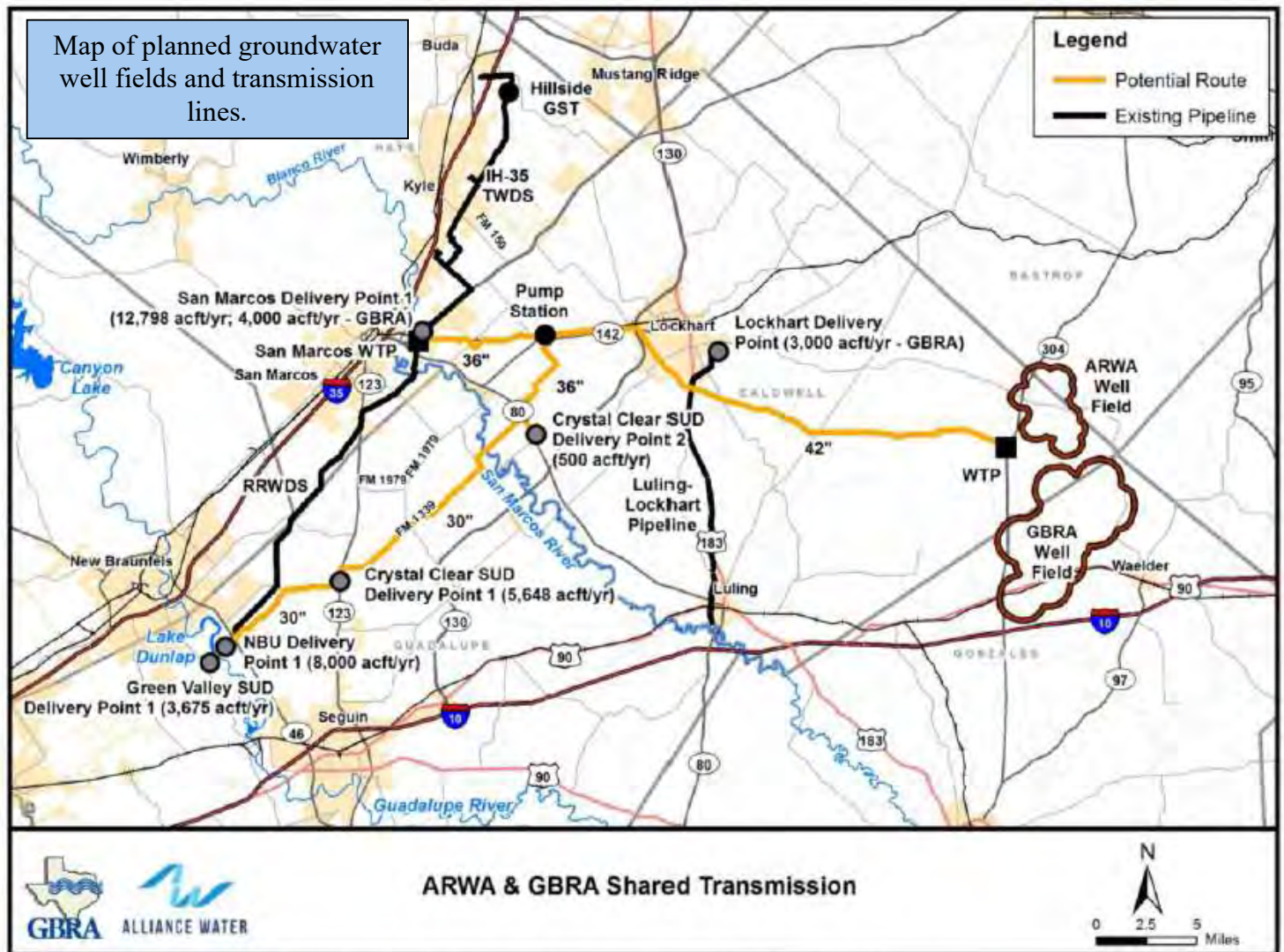
**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020**

045 - Buda WWTP

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET				
OPERATING REVENUES				
Wastewater Treatment				
41201	WW-OPR & MAINTENANCE	826,352	966,758	140,406
41202	WW-ADMINISTRATIVE & GENERAL	63,915	68,145	4,230
41207	WW-CREDIT TO CUSTOMER	(1,800)	(1,800)	-
	Total Wastewater Treatment	888,467	1,033,103	144,636
Internal Transfers				
43002	REV-BUILDING RENTAL	1,800	1,800	-
	Total Internal Transfers	1,800	1,800	-
Operating Interest				
44110	INT-OPR INVESTMENT FUNDS	-	525	525
	Total Operating Interest	-	525	525
	Total Operating Revenue	890,267	1,035,428	145,161
OPERATING EXPENSES				
Salaries				
51101	LBR-REGULAR WAGES	178,407	189,774	11,367
51102	LBR-OVERTIME	15,274	16,726	1,452
	Total Salaries	193,681	206,500	12,819
Benefits				
51298	BEN-BENEFIT ALLOCATION	78,441	83,633	5,192
	Total Benefits	78,441	83,633	5,192
Operating Supplies & Services				
52101	OPR-POWER & UTILITIES	130,000	145,000	15,000
52102	OPR-AUXILIARY POWER EXPENSE	6,700	6,700	-
52103	OPR-CHEMICALS	94,200	91,700	(2,500)
52110	OPR-SMALL TOOLS AND SUPPLIES	600	600	-
52113	OPR-LAB SUPPLIES	8,000	9,500	1,500

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
52114 OPR-LABORATORY SERVICES-GBRA	29,500	29,500	-
52115 OPR-LABORATORY SERVICES-OUTSOURCED	3,500	3,500	-
52118 OPR-DISPOSAL SERVICES	82,000	87,000	5,000
52120 OPR-UNIFORMS	2,400	2,000	(400)
52121 OPR-SAFTY & EMERGENCY EXPENSE	4,000	4,000	-
52124 OPR-EQUIPMENT EXPENSE	2,600	2,600	-
52125 OPR-VEHICLE EXPENSE	3,000	3,500	500
52126 OPR-FLEET LEASE EXPENSE	10,800	10,800	-
52133 OPR-SCADA	-	152,800	152,800
Total Operating Supplies & Services	377,300	549,200	171,900
Professional Services and Fees			
52205 OPR-PROFESSIONAL SERVICES-OTHER	6,600	11,500	4,900
52217 OPR-INSPECTION FEES	14,000	9,400	(4,600)
52222 OPR-MEMBERSHIPS & PUBLICATIONS	480	500	20
52223 OPR-LICENSE & TRAINING	1,950	2,100	150
52224 OPR-TRAVEL	1,000	2,000	1,000
Total Professional Services and Fees	24,030	25,500	1,470
Office Expenses			
52301 OPR-OFFICE SUPPLIES	1,200	1,500	300
52302 OPR-COMPUTER SUPPLIES	4,500	4,250	(250)
52306 OPR-COMMUNICATIONS	6,000	6,000	-
Total Office Expenses	11,700	11,750	50
Other Operating Expenses			
52420 OPR-INSURANCE EXPENSE	3,200	3,000	(200)
52430 OPR-MISC EXPENSE	600	600	-
Total Other Operating Expenses	3,800	3,600	(200)
SUBTOTAL OF OPERATIONAL EXPENSES	688,952	880,183	191,231
Maintenance and Repair Equipment			
53101 M&R-EQUIPMENT	50,300	10,000	(40,300)
53110 M&R-CONTROL SYSTEMS	12,000	12,000	-
53115 M&R-METERS	2,000	2,000	-
Total Maintenance and Repair Equipment	64,300	24,000	(40,300)
Structures			
53201 M&R-BUILDING	1,000	1,000	-
53205 M&R-PUMPS AND MOTORS	30,000	30,000	-
53210 M&R-GATES AND VALVES	20,000	10,000	(10,000)
53220 M&R-CLARIFIERS	16,000	16,000	-
53238 M&R-FILTERS	600	600	-
Total Structures	67,600	57,600	(10,000)

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
	Other Maintenance & Repairs			
53310	M&R-GROUNDS	4,500	4,500	-
53399	M&R-MISC EXPENSE	1,000	1,000	-
	Total Other Maintenance & Repairs	5,500	5,500	-
	SUBTOTAL OF M&R EXPENSES	137,400	87,100	(50,300)
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	63,915	68,145	4,230
	Total Administrative & General	63,915	68,145	4,230
	TOTAL OPERATING AND M&R EXPENSES	890,267	1,035,428	145,161
	Net Operating Income	-	-	-
	Net Change in Fund Balance	-	-	-



Carrizo Groundwater Supply

This division was established in 2018 and will collect up to 15,000 acre-feet of groundwater from the Carrizo Aquifer in Gonzales and Caldwell counties, treat the water at a plant in San Marcos that will be jointly constructed with Alliance Regional Water Authority, and deliver the drinking water to New Braunfels Utilities, City of Lockhart, and Goforth Special Utility District.

The design and construction of the project is expected to take five years.

- Service Provided: Groundwater collection, treatment, and delivery
- Location: Gonzales and Caldwell counties
- Startup Operation Date: 2023
- # of Current Employees: 0
- Budgeted Operating Revenue: \$1,080,000
- Customers: New Braunfels Utilities, City of Lockhart, Goforth SUD

Water Resources Division Carrizo Groundwater Supply Operating Plan for Fiscal Year Ending 8/31/20

BACKGROUND

During FY 2018, GBRA completed the purchase of Texas Water Alliance, a company owning approximately 15,000 acre-feet per year of groundwater leases in Gonzales and Caldwell counties. GBRA signed a contract with Alliance Regional Water Authority to collaborate on a multi-year project to construct a water treatment plant and transmission mains to deliver treated water derived from the underground leases to wholesale customers. New Braunfels Utilities, City of Lockhart and Goforth Special Utility District have contracted with GBRA to receive treated water once the project is constructed and operational, which is planned for FY 2023.

REVENUE SOURCES AND TRENDS

Revenue consists of payments by the three customers based on pro-rata portions of their contracted acre-feet of water. The funds during the construction period will cover ongoing costs associated with rights and access.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

Operating expenses at this early stage of the project are for annual lease payments.

FUND BALANCE

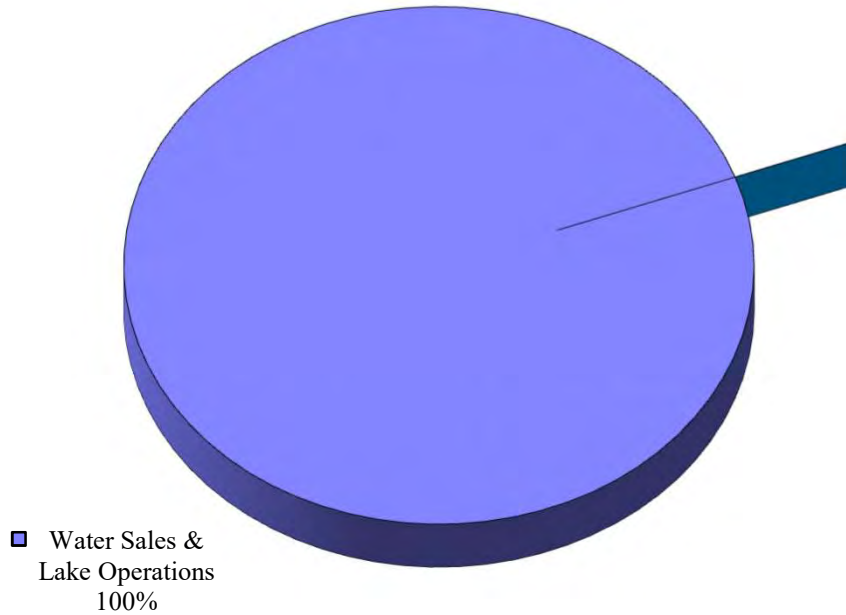
Funds for the above listed operations will be covered by revenues from customer billings.

A net increase in the fund balance of \$209,900 is anticipated due to the timing of receipt of funds and payment of expenses.



Budget Summary

REVENUES - Carrizo Groundwater

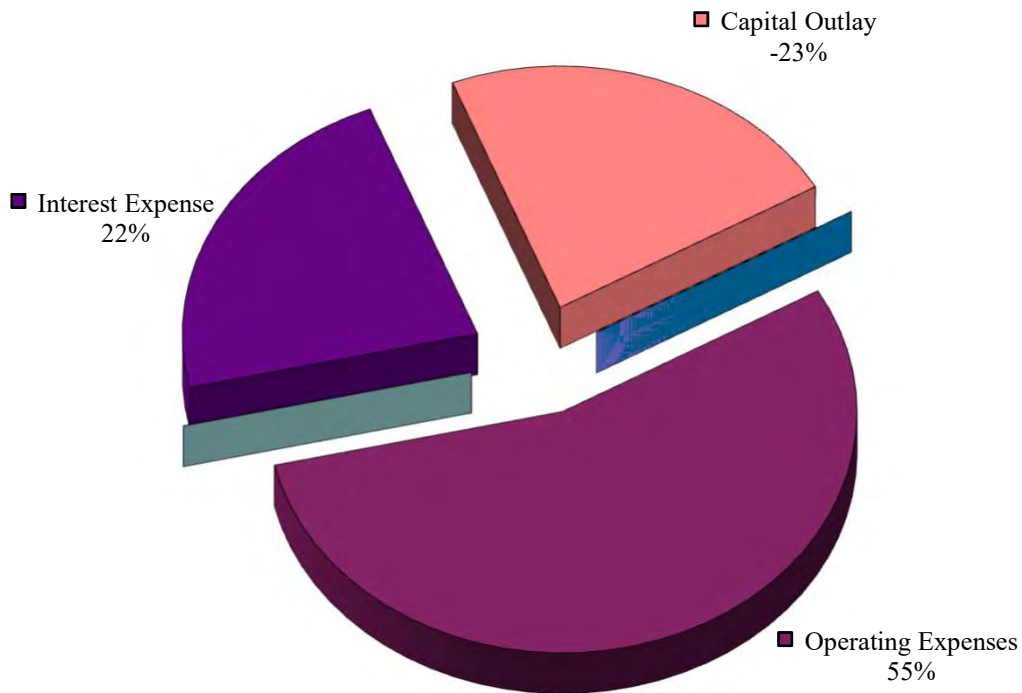


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			1,080,000
Recreation & Land Use			
Wastewater Services			
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income			
Total Operating Revenue			1,080,000
Interest Income			
Grand Total Revenues	0	0	1,080,000



Budget Summary

EXPENSES - Carrizo Groundwater



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel			
Operating Expenses			870,100
Maintenance & Repairs			
Administrative & General			
Total Operating Expenses			870,100
Interest Expense			359,261
Capital Outlay			(359,261)
Debt Service			
Grand Total Expenses	0	0	870,100

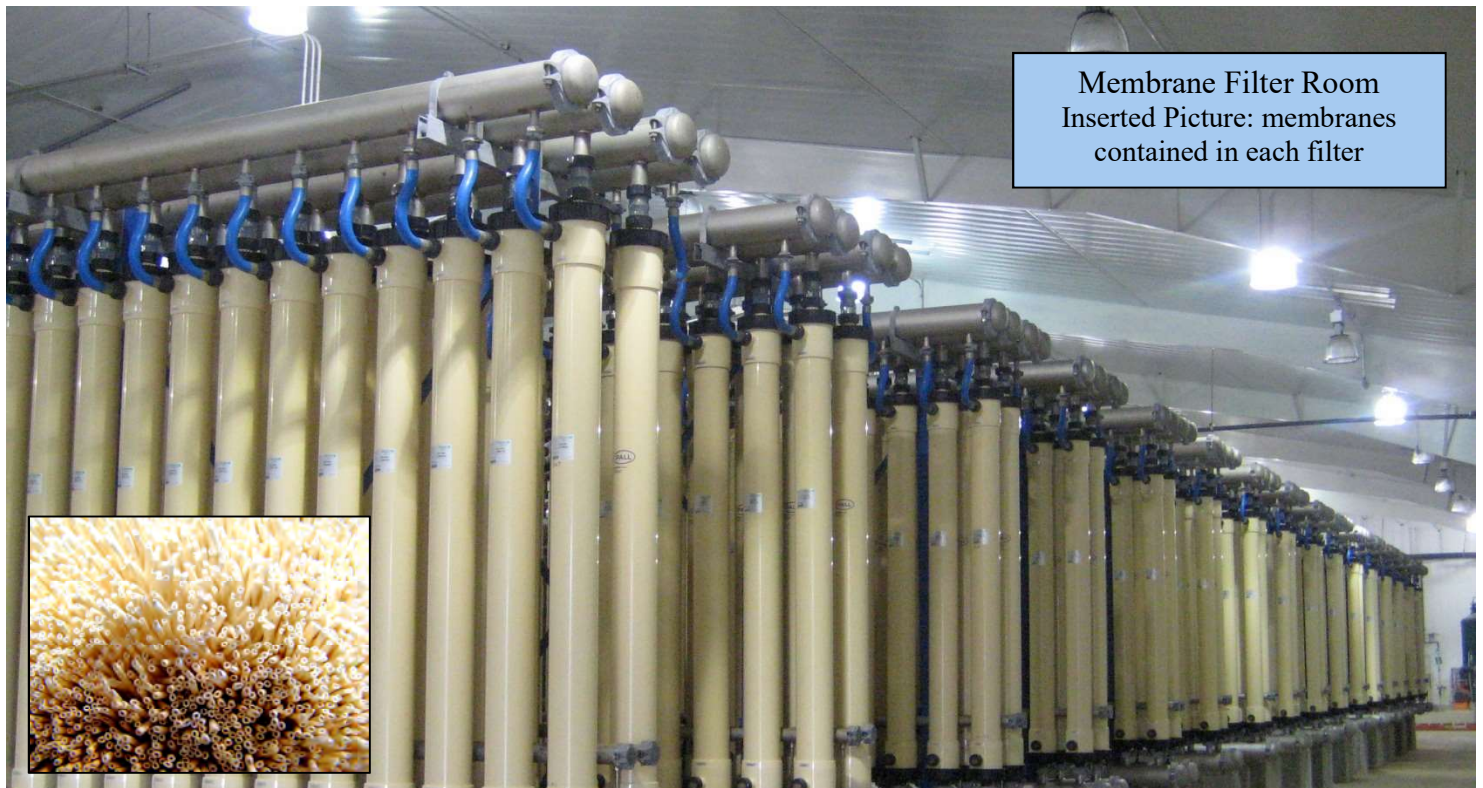
**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020**

047 - Carrizo Groundwater System

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET			
OPERATING REVENUES			
Wholesale Raw Water Sales			
42151 CARRIZO-NEW BRAUNFELS UTILITES	-	576,000	576,000
42152 CARRIZO-CITY OF LOCKHART	-	216,000	216,000
42153 CARRIZO-GOFORTH SUD	-	288,000	288,000
Total Wholesale Raw Water Sales	<u>-</u>	<u>1,080,000</u>	<u>1,080,000</u>
Total Operating Revenue	<u>-</u>	<u>1,080,000</u>	<u>1,080,000</u>
OPERATING EXPENSES			
Professional Services and Fees			
52212 OPR-CARRIZO LEASE PAYMENTS	-	870,100	870,100
Total Professional Services and Fees	<u>-</u>	<u>870,100</u>	<u>870,100</u>
SUBTOTAL OF OPERATIONAL EXPENSES	<u>-</u>	<u>870,100</u>	<u>870,100</u>
Transfers			
61510 TRANSFERS-RESTRICTED/BOND COVENANT FUND	-	(359,261)	(359,261)
Total Transfers	<u>-</u>	<u>(359,261)</u>	<u>(359,261)</u>
TOTAL OPERATING AND M&R EXPENSES	<u>-</u>	<u>510,839</u>	<u>510,839</u>
Net Operating Income	<u>-</u>	<u>569,161</u>	<u>569,161</u>

DEBT SERVICE BUDGET

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
	Interest Expense			
57215	INT-2018 CARRIZO GROUNDWATER, TWDB	-	359,261	359,261
	Total Interest Expense	-	359,261	359,261
	Total Debt Expense	-	359,261	359,261
	Net Change in Debt Service Budget	-	(359,261)	(359,261)
	Net Change in Fund Balance	-	209,900	209,900



Membrane Filter Room
Inserted Picture: membranes
contained in each filter

Western Canyon WTP

The Western Canyon Water Treatment Plant, which began delivering treated water to customers on April 3, 2006, uses water from Canyon Reservoir to provide a firm supply of treated drinking water to area communities and water systems. Some of these customers, as well as many other area residents, depend upon wells drilled into the groundwater supplies of the Edwards and Trinity Aquifers. Some wells experience water quality and quantity problems during low rainfall or drought, and the Western Canyon water helps to supplement these sources.

Water treatment plant operators are responsible for the pump station located at the raw water intake at Comal Park on Canyon Lake, a 10 mgd micro-filtration water treatment plant near Startzville, two booster pump stations, and approximately 45 miles of raw and treated water pipelines. The employees at the plant are also responsible for monitoring the customer delivery points along the treated water transmission pipeline with the use of a SCADA (supervisory control and data acquisition) system. Distribution and collection system employees operate wastewater collection and treatment systems in Cordillera Ranch, Johnson Ranch, Bulverde Singing Hills, 4S Ranch, and Park Village and water distribution systems in Cordillera Ranch, Comal Trace, and Johnson Ranch.

-
- | | |
|--|---|
| • Service Provided: Water treatment | • Capacity: 10 MGD |
| • Location: Canyon Lake, TX | • # of Current Employees: 13 |
| • Startup Operation Date: 2006 | • Budgeted Operating Revenue: \$3,753,407 |
| • Service Area: Comal & Kendall Co, TX | |

Western Canyon Division

Western Canyon Water Treatment Plant System

Operating Plan for Fiscal Year Ending 8/31/20

BACKGROUND

The Western Canyon Water Treatment Plant System, which began sending treated water to customers on March 6, 2006, is responsible for operating the Raw Water pump station located at Canyon Lake, the raw water pipeline, the water treatment plant, the treated water transmission pipeline, the Amman Road booster pump station and the FM 3351 booster pump station. The Western Canyon Water Treatment Plant is also monitoring the customer delivery points along the treated water transmission pipeline via SCADA. Customers of the Western Canyon Water Treatment Plant include San Antonio Water System, City of Fair Oaks Ranch, City of Boerne, Canyon Lake Water Supply Corporation, Kendall West Utilities, Miralomas Municipal Utility District, Cordillera Ranch, Comal Trace, and Johnson Ranch subdivisions.

REVENUE SOURCES AND TRENDS

Revenues are obtained through monthly water service fees to the wholesale customers. The proposed rate charged to the customers in FY 2020 is \$1.024 per thousand gallons.

CAPITAL ADDITIONS AND OPERATING EXPENSES

The principal operating expenditures budgeted for FY 2020 includes total power costs of \$1,258,256. This includes the electrical power for the Western Canyon WTP, the raw water pump station, the Ammann Road booster pump station, and the Highway 3351 booster pump station. Chemical costs of \$350,000, for chlorine use for disinfection, membrane cleaning chemicals, including sodium hydroxide, citric acid and sodium hypochlorite, and the water treatment coagulant aluminum chlorohydrate. Also included is the sludge disposal cost of \$97,000, and chemical cleaning (CIP) water disposal costs of \$282,100.

In order to meet public service needs through motivated employees, provide advanced training, and maintain and upgrade occupational licenses, personnel will attend courses provided by various approved sources such as Texas Engineering Extension Service and Texas Water Utility Association. Plant personnel will also conduct in-house training in team building skills, confined space rescue, hazard communication, electrical safety and maintenance, first aid, and CPR. Other training will include computer software and personal development seminars.

Capital additions include the replacement of one truck and the purchase of an additional truck for personnel hired during the previous fiscal year. The cost of these vehicles will total \$56,000. A metal storage building is included at a cost of \$35,000 to replace wooden sheds used to house spare parts and equipment, as is a remotely operated submersible vehicle at a cost of \$8,000 to be used to inspect water storage tanks and monitor pump station intake structures for zebra mussels.

FUND BALANCE

Funds for the above listed capital additions in addition to all of the other operating expenditures that are summarized in the following pages will be provided from revenues from customer billings. In the upcoming FY 2020, the fund balance is expected to be \$61,001.



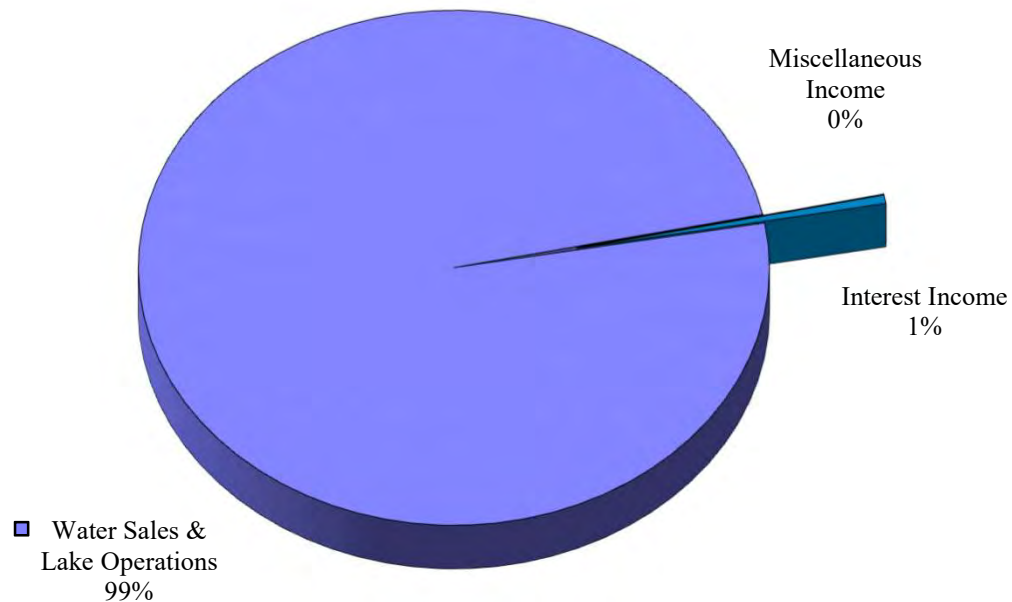
Western Canyon WTP	# of Authorized Positions (FTE)		
	2018	2019	2020
Electrical/Instrumentation Technician	1	1	1
Chief Operator	2	3	3
Operator	6	7	7
Distribution/Plant Operator	2	2	2
Total	11	13	13

These employees are based in the Western Canyon WTP system and are shared between the Cordillera WDS, Cordillera WWTP, Comal Trace WDS, Johnson Ranch WDS, Johnson Ranch WWTP, Bulverde Singing Hills WWRS, Park Village WWRS and 4S Ranch WWRS.



Budget Summary

REVENUES - Western Canyon WTP



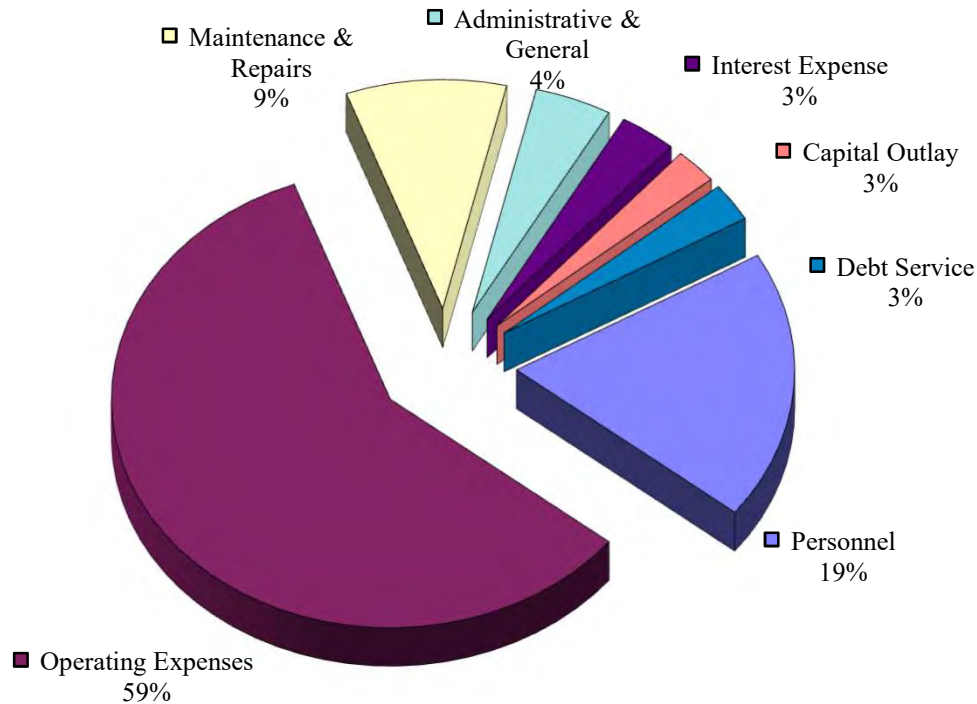
Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations	3,919,150	3,920,020	3,733,407
Recreation & Land Use			
Wastewater Services			
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	9,883	8,500	
Total Operating Revenue	3,929,033	3,928,520	3,733,407
Interest Income	61,625	13,200	20,000
Capacity Charge Revenue		263,537	263,537
Grand Total Revenues	3,990,658	4,205,257	4,016,944



Fiscal Year 2020 Budget *flowing solutions*

Budget Summary

EXPENSES - Western Canyon WTP



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	716,100	716,127	751,777
Operating Expenses	2,106,569	2,365,225	2,322,726
Maintenance & Repairs	380,778	386,000	368,000
Administrative & General	165,956	168,201	176,569
Total Operating Expenses	3,369,403	3,635,553	3,619,072
Interest Expense		133,325	130,788
Capital Outlay	377,680	135,000	99,000
Debt Service		105,000	107,083
Grand Total Expenses	3,747,083	4,008,878	3,955,943

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020**

050 - Western Canyon WTP

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET			
OPERATING REVENUES			
Wholesale Water Treatment			
42230 WCANYON WTP O&M	3,920,020	3,733,407	(186,613)
Total Wholesale Water Treatment	3,920,020	3,733,407	(186,613)
Operating Interest			
44101 INT-OPR CASH ACCOUNTS	13,200	-	(13,200)
44110 INT-OPR INVESTMENT FUNDS	-	20,000	20,000
Total Operating Interest	13,200	20,000	6,800
Misc Income			
45195 MISCELLANEOUS REVENUES	8,500	-	(8,500)
Total Misc Income	8,500	-	(8,500)
Total Operating Revenue	3,941,720	3,753,407	(188,313)
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	455,034	474,429	19,395
51102 LBR-OVERTIME	54,665	60,649	5,984
Total Salaries	509,699	535,078	25,379
Benefits			
51298 BEN-BENEFIT ALLOCATION	206,428	216,699	10,271
Total Benefits	206,428	216,699	10,271
Operating Supplies & Services			
52101 OPR-POWER & UTILITIES	1,252,000	1,258,256	6,256
52102 OPR-AUXILIARY POWER EXPENSE	3,000	5,545	2,545
52103 OPR-CHEMICALS	328,500	350,000	21,500
52110 OPR-SMALL TOOLS AND SUPPLIES	10,500	10,000	(500)
52111 OPR-PUBLIC COMMUNICATIONS	-	500	500
52113 OPR-LAB SUPPLIES	85,000	25,000	(60,000)

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
52114 OPR-LABORATORY SERVICES-GBRA	-	5,000	5,000
52115 OPR-LABORATORY SERVICES-OUTSOURCED	-	1,000	1,000
52118 OPR-DISPOSAL SERVICES	400,000	400,000	-
52120 OPR-UNIFORMS	4,700	5,000	300
52121 OPR-SAFTY & EMERGENCY EXPENSE	7,000	7,000	-
52122 OPR-SECURITY EXPENSE	5,000	5,000	-
52123 OPR-EQUIPMENT RENTAL	2,000	2,000	-
52124 OPR-EQUIPMENT EXPENSE	7,000	5,000	(2,000)
52125 OPR-VEHICLE EXPENSE	33,000	30,000	(3,000)
52133 OPR-SCADA	33,000	31,800	(1,200)
52135 OPR-PROCESS/SPECIAL OPERATING	500	-	(500)
52145 OPR-CONTRACT LABOR	15,000	10,000	(5,000)
Total Operating Supplies & Services	2,186,200	2,151,101	(35,099)
Professional Services and Fees			
52201 OPR-PROFESSIONAL SERVICES-ENGINEERING	-	30,000	30,000
52205 OPR-PROFESSIONAL SERVICES-OTHER	87,075	55,000	(32,075)
52217 OPR-INSPECTION FEES	1,500	125	(1,375)
52220 OPR-BANK FEES	1,000	1,200	200
52222 OPR-MEMBERSHIPS & PUBLICATIONS	1,200	-	(1,200)
52223 OPR-LICENSE & TRAINING	7,000	7,000	-
52224 OPR-TRAVEL	4,000	4,000	-
Total Professional Services and Fees	101,775	97,325	(4,450)
Office Expenses			
52301 OPR-OFFICE SUPPLIES	10,000	6,000	(4,000)
52302 OPR-COMPUTER SUPPLIES	7,300	7,300	-
52305 OPR-POSTAGE AND FREIGHT EXPENSE	-	5,000	5,000
52306 OPR-COMMUNICATIONS	10,000	10,000	-
52322 OPR-MEDIA EXPENSE	500	500	-
Total Office Expenses	27,800	28,800	1,000
Other Operating Expenses			
52420 OPR-INSURANCE EXPENSE	42,300	45,500	3,200
52430 OPR-MISC EXPENSE	7,150	-	(7,150)
Total Other Operating Expenses	49,450	45,500	(3,950)
SUBTOTAL OF OPERATIONAL EXPENSES	3,081,352	3,074,503	(6,849)
Maintenance and Repair Equipment			
53101 M&R-EQUIPMENT	188,000	106,500	(81,500)
53115 M&R-METERS	1,000	20,000	19,000
Total Maintenance and Repair Equipment	189,000	126,500	(62,500)

Structures

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
53201	M&R-BUILDING	10,000	61,000	51,000
53202	M&R-CLEARWELLS	4,000	2,000	(2,000)
53216	M&R-PUMPSTATIONS	136,500	145,000	8,500
53235	M&R-TRANSMISSION LINES	20,000	20,000	-
	Total Structures	170,500	228,000	57,500
	Other Maintenance & Repairs			
53301	M&R-ROADS	3,500	3,500	-
53310	M&R-GROUNDS	13,000	4,000	(9,000)
53320	M&R-PONDS AND LAGOONS	5,500	6,000	500
53399	M&R-MISC EXPENSE	4,500	-	(4,500)
	Total Other Maintenance & Repairs	26,500	13,500	(13,000)
	SUBTOTAL OF M&R EXPENSES	386,000	368,000	(18,000)
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	168,201	176,569	8,368
	Total Administrative & General	168,201	176,569	8,368
	Capital Outlay			
13215	SHOPS & STOREROOMS	-	35,000	35,000
13217	AUTO & HEAVY EQUIPMENT	-	56,000	56,000
13219	MISCELLANEOUS EQUIPMENT	-	8,000	8,000
61103	EQUIPMENT EXPENSE	80,000	-	(80,000)
	Total Capital Outlay	80,000	99,000	19,000
	Transfers			
61505	TRANSFERS-DESIGNATED PROJECT FUND	55,000	-	(55,000)
	Total Transfers	55,000	-	(55,000)
	TOTAL OPERATING AND M&R EXPENSES	3,770,553	3,718,072	(52,481)
	Net Operating Income	171,167	35,335	(135,832)

DEBT SERVICE BUDGET

	Capacity Charge Revenue			
42680	DEBT SERV-2017 TTHM, BOERNE	22,942	30,589	7,647
42681	DEBT SERV-2017 TTHM, BREMER	471	471	-
42682	DEBT SERV-2017 TTHM, CLWSC	16,989	16,989	-
42683	DEBT SERV-2017 TTHM, COMAL TRACE	1,765	1,765	-
42684	DEBT SERV-2017 TTHM, COUSER	471	471	-

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
42685	DEBT SERV-2017 TTHM, FAIR OAKS	22,871	22,871	-
42686	DEBT SERV-2017 TTHM, GBRA CORDILLERA	10,000	10,000	-
42687	DEBT SERV-2017 TTHM, JOHNSON RANCH	7,059	7,059	-
42688	DEBT SERV-2017 TTHM, KENDALL WEST	4,706	4,706	-
42689	DEBT SERV-2017 TTHM, MIRALOMAS	5,294	5,294	-
42690	DEBT SERV-2017 TTHM, SAWS	170,969	163,322	(7,647)
	Total Capacity Charge Revenue	263,537	263,537	-
	Total Debt Revenue	263,537	263,537	-
	Principal Payments Expense			
21212	BOND-2017 WCANYON AERATION	105,000	107,083	2,083
	Total Principal Payments Expense	105,000	107,083	2,083
	Interest Expense			
57214	INT-2017 WCANYON AERATION	133,325	130,788	(2,537)
	Total Interest Expense	133,325	130,788	(2,537)
	Total Debt Expense	238,325	237,871	(454)
	Net Change in Debt Service Budget	25,212	25,666	454
	Net Change in Fund Balance	196,379	61,001	(135,378)

Western Canyon WTP - Capital Outlay Expense

Description	FY 2020
Capital Outlay Funded From Current Revenues	
Metal Storage Building	\$ 35,000
Replacement Truck	\$ 28,000
Remotely Operated Submersible Vehicle	\$ 8,000
Truck	\$ 28,000
<hr/> Total Western Canyon WTP Capital Outlay Expense	<hr/> \$ 99,000 <hr/>



4S Ranch WWT

Currently under construction, the 4S Ranch wastewater treatment system will consist of a collection system, an activated sludge treatment plant permitted to treat up to 0.060 mgd, and a 13.77 acre land disposal site. Startup of the system is expected during Fiscal Year 2019.

The wastewater collection and treatment system will be operated and maintained by employees of the Western Canyon WTP division.

-
- | | |
|---|---|
| <ul style="list-style-type: none">• Service Provided: Wastewater collection and treatment• Location: Bulverde, TX• Startup Operation Date: 2019 | <ul style="list-style-type: none">• Service Area: Comal Co., TX• Capacity: 0.060 MGD• Budgeted Revenue: \$242,730 |
|---|---|

Western Canyon Division

Four S Ranch Wastewater Reclamation System

Operating Plan for Fiscal Year Ending 8/31/20

BACKGROUND

The following Work Plan and Budget is based on GBRA providing construction inspection services until the Development finishes constructing the wastewater plant and collection system during the third quarter of FY 2020. Upon completion, startup and operations will begin.

REVENUE SOURCES AND TRENDS

The Four S Ranch Wastewater Reclamation System will consist of retail wastewater collection, a wastewater treatment plant and a reuse water system.

CAPITAL ADDITIONS AND OPERATING EXPENSES

Five operators will divide their time between the Cordillera Ranch, Johnson Ranch, Bulverde Singing Hills Wastewater Reclamation System, Park Village, Four S Ranch and Boerne ISD Voss Middle School. The Division Manager for Comal/Kendall Counties provides overall supervision of the system. The contract between the Comal County WCID No. 6 District and GBRA provides that GBRA operate the plant and associated collection system following their construction and thereafter bill the customers of the system. The monthly wastewater service fee charged to each residential customer has been established to coincide with the rates previously set for the GBRA Johnson Ranch Wastewater Treatment System. Following plant startup, the contract also provides that GBRA will bill the District the actual cost of operating and maintaining the System that is in excess of revenue from customers. As a result, revenue from the Four S Ranch System will not over-recover nor under-recover the cost of operating the plant.

The budgeted FY 2020 service revenue for the Four S Ranch Wastewater System is \$242,730.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

The combined capital additions and operating expenditure budget for FY 2020 amounts to \$242,730.

Significant operating and maintenance expenses for FY 2020 include \$10,000 for power and utilities, \$24,000 for laboratory services and supplies, and \$15,000 for biosolids disposal services.

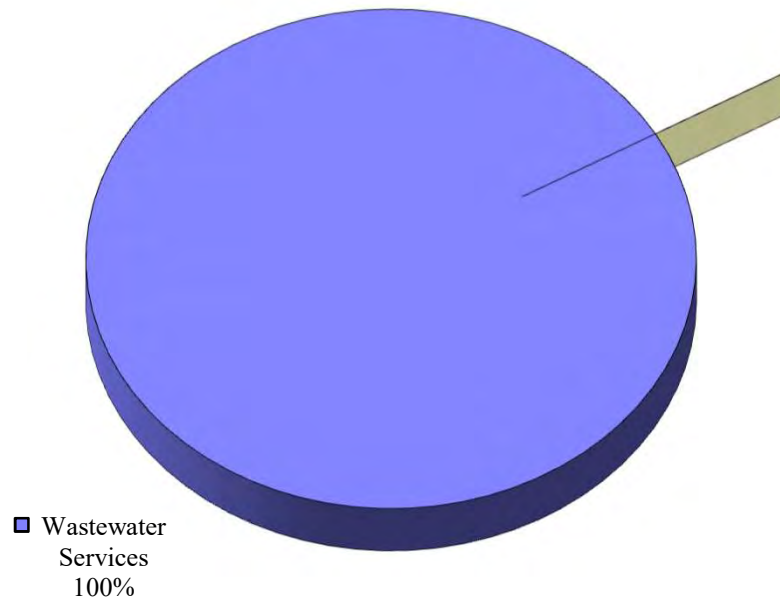
FUND BALANCE

Funds for the above listed capital additions and maintenance projects as well as all of the other operating expenditures that are summarized in the following pages will be provided by charges to the District, sewer connection fees, and retail sewer service fees. The net increase in the fund balance that GBRA anticipates in the Four S Ranch Wastewater System is \$0.



Budget Summary

REVENUES - 4S Ranch WWRS

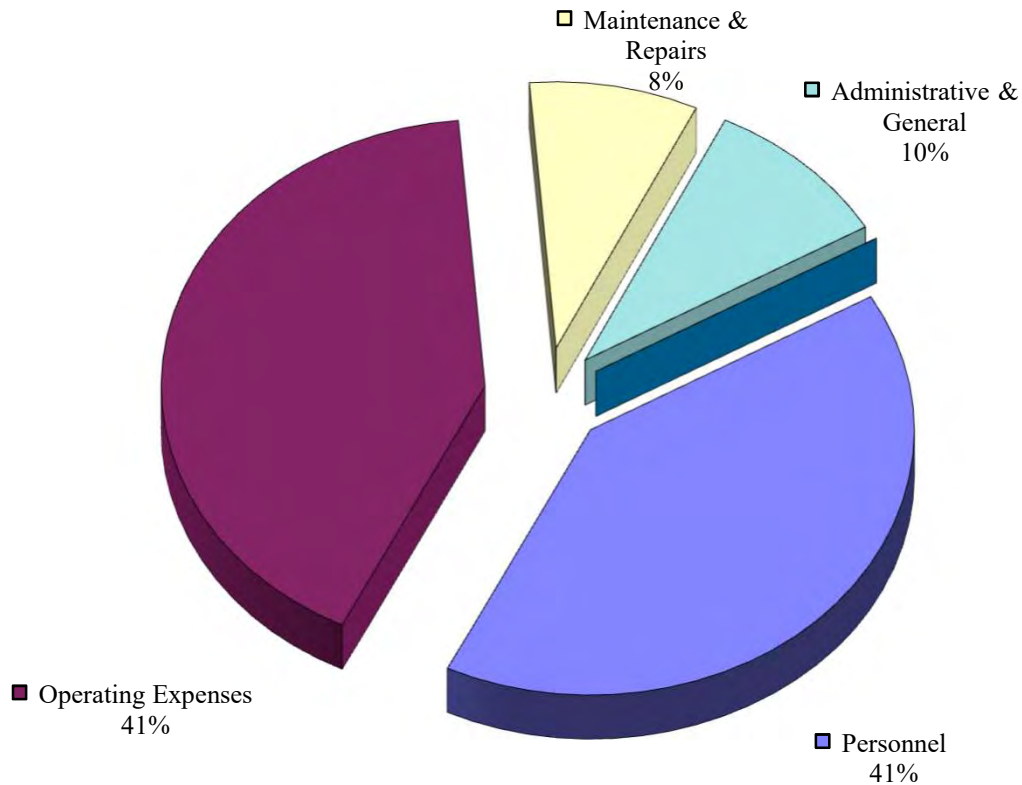


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services	174,370	222,613	242,730
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income			
Total Operating Revenue	174,370	222,613	242,730
Interest Income			
Grand Total Revenues	174,370	222,613	242,730



Budget Summary

EXPENSES - 4S Ranch WWRS



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	106,901	89,979	98,576
Operating Expenses	42,361	108,000	100,501
Maintenance & Repairs		3,500	20,500
Administrative & General	25,108	21,134	23,153
Total Operating Expenses	174,370	222,613	242,730
Interest Expense			
Capital Outlay			
Debt Service			
Grand Total Expenses	174,370	222,613	242,730

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020**

051 - 4S Ranch WWRS

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET			
OPERATING REVENUES			
Retail Wastewater			
42401 WASTEWATER SERVICES	81,000	121,500	40,500
42402 SEWER CONNECTION/INSP FEES	82,500	55,000	(27,500)
42450 CHARGES TO DEVELOPERS	59,113	66,230	7,117
Total Retail Wastewater	222,613	242,730	20,117
Total Operating Revenue	222,613	242,730	20,117
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	53,508	64,442	10,934
51102 LBR-OVERTIME	10,534	5,719	(4,815)
Total Salaries	64,042	70,161	6,119
Benefits			
51298 BEN-BENEFIT ALLOCATION	25,937	28,415	2,478
Total Benefits	25,937	28,415	2,478
Operating Supplies & Services			
52101 OPR-POWER & UTILITIES	10,000	10,000	-
52102 OPR-AUXILIARY POWER EXPENSE	2,000	800	(1,200)
52103 OPR-CHEMICALS	5,600	20,000	14,400
52110 OPR-SMALL TOOLS AND SUPPLIES	1,000	700	(300)
52113 OPR-LAB SUPPLIES	5,000	5,000	-
52114 OPR-LABORATORY SERVICES-GBRA	10,000	19,000	9,000
52118 OPR-DISPOSAL SERVICES	40,500	15,000	(25,500)
52120 OPR-UNIFORMS	200	700	500
52121 OPR-SAFTY & EMERGENCY EXPENSE	1,000	1,000	-
52122 OPR-SECURITY EXPENSE	100	-	(100)
52123 OPR-EQUIPMENT RENTAL	-	9,701	9,701
52125 OPR-VEHICLE EXPENSE	500	4,000	3,500
52133 OPR-SCADA	500	3,300	2,800

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
Total Operating Supplies & Services	76,400	89,201	12,801
Professional Services and Fees			
52205 OPR-PROFESSIONAL SERVICES-OTHER	25,000	-	(25,000)
52217 OPR-INSPECTION FEES	-	1,500	1,500
52222 OPR-MEMBERSHIPS & PUBLICATIONS	200	300	100
52223 OPR-LICENSE & TRAINING	200	1,000	800
52224 OPR-TRAVEL	600	500	(100)
Total Professional Services and Fees	26,000	3,300	(22,700)
Office Expenses			
52301 OPR-OFFICE SUPPLIES	1,000	1,000	-
52302 OPR-COMPUTER SUPPLIES	1,100	3,300	2,200
52306 OPR-COMMUNICATIONS	1,000	1,200	200
Total Office Expenses	3,100	5,500	2,400
Other Operating Expenses			
52420 OPR-INSURANCE EXPENSE	1,000	1,500	500
52430 OPR-MISC EXPENSE	1,500	1,000	(500)
Total Other Operating Expenses	2,500	2,500	-
SUBTOTAL OF OPERATIONAL EXPENSES	197,979	199,077	1,098
Structures			
53205 M&R-PUMPS AND MOTORS	500	500	-
Total Structures	500	500	-
Other Maintenance & Repairs			
53325 M&R-GENERAL MAINTENANCE	3,000	20,000	17,000
Total Other Maintenance & Repairs	3,000	20,000	17,000
SUBTOTAL OF M&R EXPENSES	3,500	20,500	17,000
Administrative & General			
54100 ADMINISTRATIVE & GENERAL	21,134	23,153	2,019
Total Administrative & General	21,134	23,153	2,019
TOTAL OPERATING AND M&R EXPENSES	222,613	242,730	20,117
Net Operating Income	-	-	-
Net Change in Fund Balance	-	-	-



Cordillera WDS

Located in Kendall County near the intersection of State Hwy 46 and FM 3351, operations of the Cordillera Ranch water distribution system began in 2006. Source water is pumped from Canyon Lake, treated at the Western Canyon WTP and delivered to the system through the Hwy 46 treated water delivery system. 1,500 acre-feet of raw water per year is available for use in Cordillera Ranch.

The water delivery system is operated and maintained by employees of the Western Canyon WTP division.

-
- | | |
|--|---------------------------------|
| • Service Provided: Water distribution | • Service Area: Kendall Co., TX |
| • Location: Boerne, TX | • Capacity: 1.3 MGD |
| • Startup Operation Date: 2006 | • Budgeted Revenue: \$821,600 |
-

Western Canyon Division Cordillera Ranch Subdivision Water System Operating Plan for Fiscal Year Ending 8/31/20

BACKGROUND

GBRA's Cordillera Ranch Water System is responsible for operating the Cordillera Ranch Subdivision retail water system.

REVENUE SOURCES AND TRENDS

Revenues are obtained through connection fees for water service, tap fees, monthly water service fees and charges to the Cordillera Ranch developer for the wholesale use of water within the development. Water Sales Revenues are projected to be \$811,600 during FY 2020. This is an approximate 0.3% increase over FY 2019 budgeted due to an increase in the number of connections within the subdivision.

CAPITAL ADDITIONS AND OPERATING EXPENSES

Operating expenses include \$31,000 for electric cost of operating the pump stations, \$16,000 for water meters, \$1,500 for operating chemicals and \$59,000 of material and services related to maintaining and repairing booster pumps, water wells and the distribution system.

One additional area of significant cost is titled "Interdivision Water Purchases" totaling \$520,000. This cost includes payments to other GBRA divisions for the storage, treatment, and transmission of water to the Cordillera Water System.

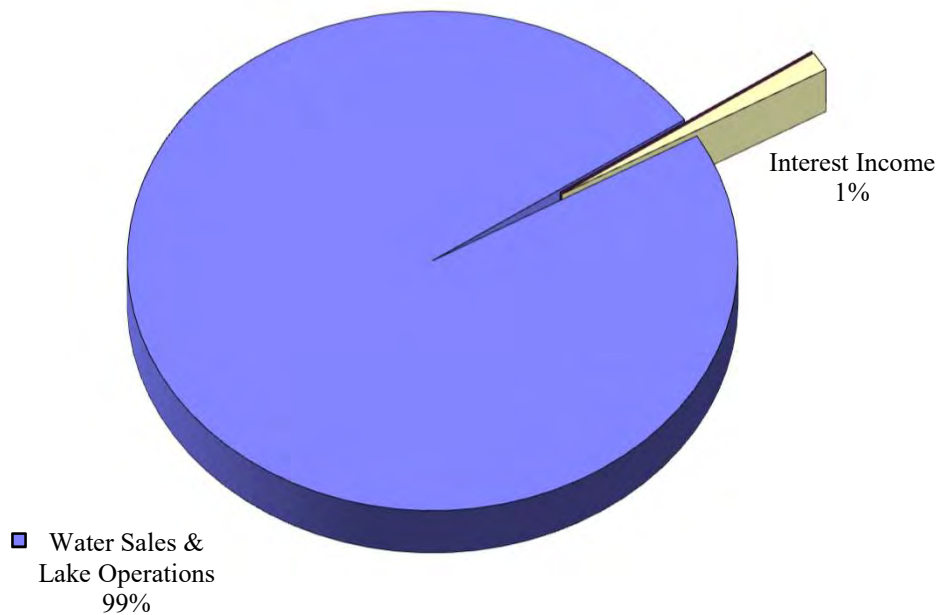
FUND BALANCE

Funds for the above listed capital additions and maintenance projects as well as all of the other operating expenditures that are summarized in the following pages will be provided using revenues from customer billings. This funding is expected to exceed total expenditures by \$39,395 and thus an increase in fund balance of that same amount is anticipated.



Budget Summary

REVENUES -Cordillera WDS

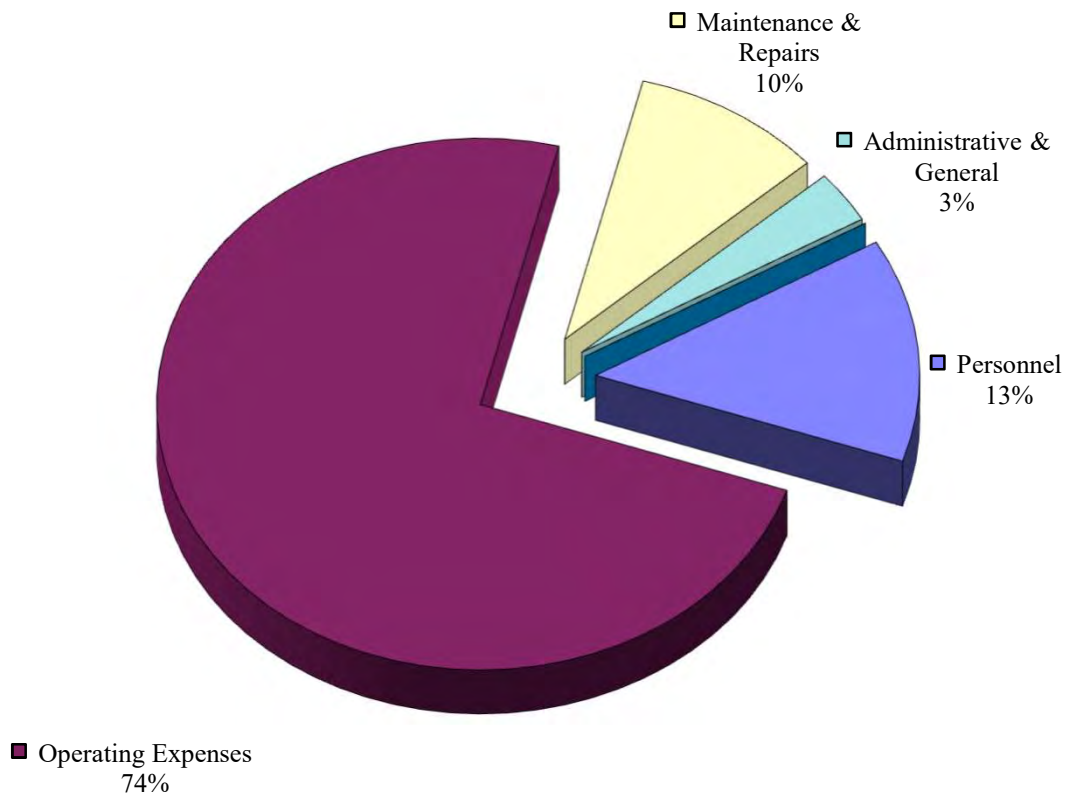


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations	950,574	808,836	811,600
Recreation & Land Use			
Wastewater Services			
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	3,542	3,000	
Total Operating Revenue	954,116	811,836	811,600
Interest Income	7,339	5,000	10,000
Grand Total Revenues	961,455	816,836	821,600



Budget Summary

EXPENSES - Cordillera WDS



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	84,081	114,184	106,007
Operating Expenses	588,677	574,000	576,300
Maintenance & Repairs	60,982	47,500	75,000
Administrative & General	19,749	26,819	24,898
Total Operating Expenses	753,489	762,503	782,205
Interest Expense			
Capital Outlay			
Debt Service			
Grand Total Expenses	753,489	762,503	782,205

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020**

052 - Cordillera WDS

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET				
OPERATING REVENUES				
Retail Water Sales				
42301	WATER SALES	710,000	738,600	28,600
42302	WHOLESALE WATER SALES	52,500	40,000	(12,500)
42310	WATER CONNECTION FEES	46,336	33,000	(13,336)
	Total Retail Water Sales	808,836	811,600	2,764
Operating Interest				
44101	INT-OPR CASH ACCOUNTS	5,000	-	(5,000)
44110	INT-OPR INVESTMENT FUNDS	-	10,000	10,000
	Total Operating Interest	5,000	10,000	5,000
Misc Income				
45195	MISCELLANEOUS REVENUES	3,000	-	(3,000)
	Total Misc Income	3,000	-	(3,000)
	Total Operating Revenue	816,836	821,600	4,764
OPERATING EXPENSES				
Salaries				
51101	LBR-REGULAR WAGES	79,106	62,631	(16,475)
51102	LBR-OVERTIME	2,164	12,819	10,655
	Total Salaries	81,270	75,450	(5,820)
Benefits				
51298	BEN-BENEFIT ALLOCATION	32,914	30,557	(2,357)
	Total Benefits	32,914	30,557	(2,357)
Operating Supplies & Services				
52101	OPR-POWER & UTILITIES	31,000	31,000	-
52103	OPR-CHEMICALS	1,500	1,500	-
52110	OPR-SMALL TOOLS AND SUPPLIES	500	500	-
52113	OPR-LAB SUPPLIES	1,500	1,000	(500)

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
52114 OPR-LABORATORY SERVICES-GBRA	500	1,000	500
52115 OPR-LABORATORY SERVICES-OUTSOURCED	500	650	150
52121 OPR-SAFTY & EMERGENCY EXPENSE	500	500	-
52122 OPR-SECURITY EXPENSE	1,000	1,000	-
52124 OPR-EQUIPMENT EXPENSE	500	-	(500)
52125 OPR-VEHICLE EXPENSE	1,000	2,000	1,000
52133 OPR-SCADA	3,000	2,800	(200)
52150 OPR-WATER PURCHASES/DELIVERY	520,000	520,000	-
Total Operating Supplies & Services	561,500	561,950	450
Professional Services and Fees			
52205 OPR-PROFESSIONAL SERVICES-OTHER	2,000	2,000	-
52217 OPR-INSPECTION FEES	2,000	2,000	-
52223 OPR-LICENSE & TRAINING	-	200	200
52224 OPR-TRAVEL	500	500	-
Total Professional Services and Fees	4,500	4,700	200
Office Expenses			
52301 OPR-OFFICE SUPPLIES	1,000	500	(500)
52302 OPR-COMPUTER SUPPLIES	1,300	1,150	(150)
52306 OPR-COMMUNICATIONS	1,000	1,000	-
52321 OPR-ECONOMIC DEVELOPMENT	-	4,000	4,000
Total Office Expenses	3,300	6,650	3,350
Other Operating Expenses			
52420 OPR-INSURANCE EXPENSE	2,700	3,000	300
52430 OPR-MISC EXPENSE	2,000	-	(2,000)
Total Other Operating Expenses	4,700	3,000	(1,700)
SUBTOTAL OF OPERATIONAL EXPENSES	688,184	682,307	(5,877)
Maintenance and Repair Equipment			
53115 M&R-METERS	16,000	16,000	-
Total Maintenance and Repair Equipment	16,000	16,000	-
Structures			
53205 M&R-PUMPS AND MOTORS	7,500	25,000	17,500
53210 M&R-GATES AND VALVES	-	2,000	2,000
53230 M&R-PIPELINES	-	4,000	4,000
Total Structures	7,500	31,000	23,500
Other Maintenance & Repairs			
53302 M&R-WELLS	-	4,000	4,000
53325 M&R-GENERAL MAINTENANCE	24,000	24,000	-
Total Other Maintenance & Repairs	24,000	28,000	4,000

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
SUBTOTAL OF M&R EXPENSES	<u>47,500</u>	<u>75,000</u>	<u>27,500</u>
Administrative & General			
54100 ADMINISTRATIVE & GENERAL	<u>26,819</u>	<u>24,898</u>	<u>(1,921)</u>
Total Administrative & General	<u>26,819</u>	<u>24,898</u>	<u>(1,921)</u>
TOTAL OPERATING AND M&R EXPENSES	<u>762,503</u>	<u>782,205</u>	<u>19,702</u>
Net Operating Income	<u><u>54,333</u></u>	<u><u>39,395</u></u>	<u><u>(14,938)</u></u>
Net Change in Fund Balance	<u><u>54,333</u></u>	<u><u>39,395</u></u>	<u><u>(14,938)</u></u>



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Cordillera WWTTP

Located in Kendall County near the intersection of State Hwy 46 and FM 3351, operations of the Cordillera Ranch wastewater collection system and treatment plant began in 2006. Due to the terrain of the subdivision, a grinder pump located at each residence pumps raw sewage into a low pressure collection system that conveys the wastewater to the wastewater treatment plant. The treatment plant is a membrane bio-reactor that separates liquid from solid wastes by micro-filtration. The liquid effluent is chlorinated and delivered to a holding pond where it is used to irrigate a golf course. Solid wastes are trucked off-site for further treatment and disposal.

The wastewater collection and treatment system is operated and maintained by employees of the Western Canyon WTP division.

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- | | |
|---|--|
| <ul style="list-style-type: none">• Service Provided: Wastewater collection and treatment• Location: Boerne, TX• Startup Operation Date: 2006 | <ul style="list-style-type: none">• Service Area: Kendall Co., TX• Capacity: 0.064 MGD• Budgeted Revenue \$425,390 |
|---|--|

Western Canyon Division

Cordillera Ranch Subdivision Sewer System

Operating Plan for Fiscal Year Ending 8/31/20

BACKGROUND

GBRA's Cordillera Ranch Sewer System is responsible for operating the Cordillera Ranch Subdivision sewer system including grinder pumps at each residence, the collection system, and the wastewater treatment plant.

REVENUE SOURCES AND TRENDS

Revenues are obtained through connection fees and monthly sewer service fees. Total revenue projected for FY 2020 is \$425,390 which is a 3.0% increase over the FY 2019 budget amount. The increase is primarily the result of customers being added to the system as the Cordillera development continues to build out.

CAPITAL ADDITIONS AND OPERATING EXPENSES

Significant operating expenses for the ensuing fiscal year include \$3,000 power and utilities costs, \$18,500 for laboratory expenses, and \$25,000 for biosolids disposal costs. Also included is \$133,000 for repairs to one lift station, and repair or replace plant pumps and motors, and residential grinder pumps.

In order to meet public service needs through motivated employees, provide advanced training, and maintain and upgrade occupational licenses, personnel will attend courses provided by various approved sources such as Texas Engineering Extension Service and Texas Water Utility Association. Plant personnel will also conduct in-house training in team building skills, confined space rescue, hazard communication, electrical safety and maintenance, first aid, and CPR. Other training will include computer software and personal development seminars.

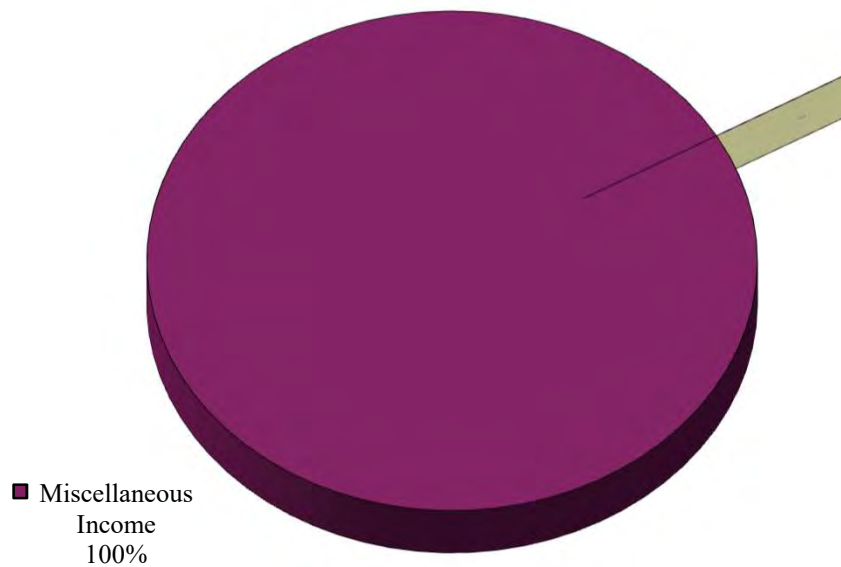
FUND BALANCE

Funds for the above listed capital additions and maintenance projects as well as all of the other operating expenditures that are summarized in the following pages will be provided from revenues from customer billings. The net effect of all the budgeted sources and uses of funds yields an increase in fund balance of \$76.



Budget Summary

REVENUES -Cordillera WWTP

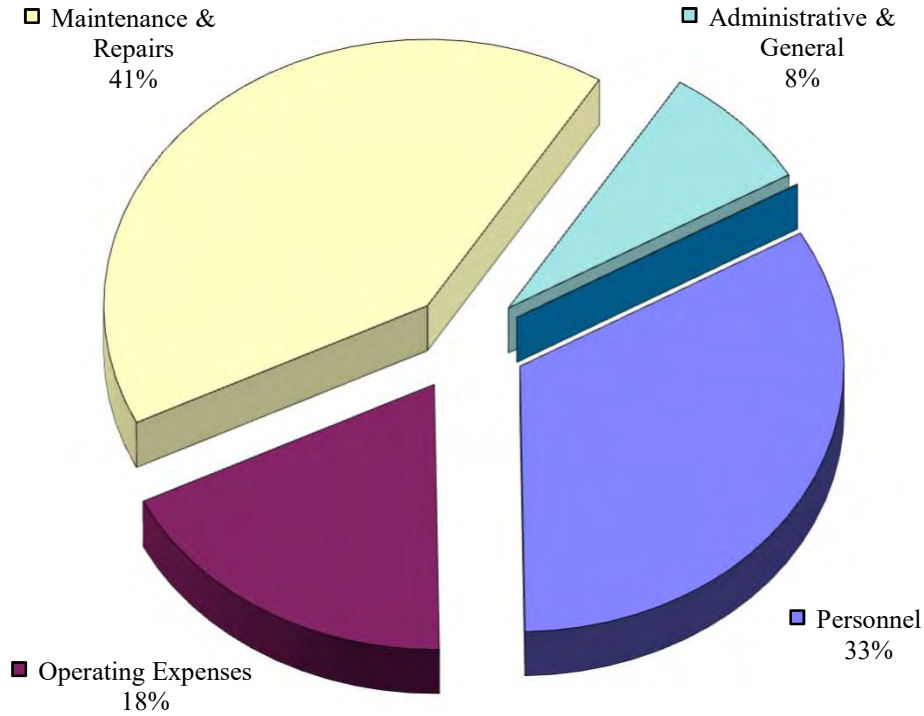


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services	354,517	410,625	422,390
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	2,692	4,170	3,000
Total Operating Revenue	357,209	414,795	425,390
Interest Income			
Grand Total Revenues	357,209	414,795	425,390



Budget Summary

EXPENSES - Cordillera WWTP



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	73,302	125,801	140,714
Operating Expenses	36,782	71,650	76,650
Maintenance & Repairs	123,804	127,500	174,900
Administrative & General	17,217	29,547	33,050
Total Operating Expenses	251,105	354,498	425,314
Interest Expense			
Capital Outlay		60,000	
Debt Service			
Grand Total Expenses	251,105	414,498	425,314

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020**

053 - Cordillera WWTP

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET			
OPERATING REVENUES			
Retail Wastewater			
42401 WASTEWATER SERVICES	310,000	297,840	(12,160)
42402 SEWER CONNECTION/INSP FEES	74,625	116,100	41,475
42404 SERVICE CALL INCOME	26,000	8,450	(17,550)
Total Retail Wastewater	410,625	422,390	11,765
Misc Income			
45195 MISCELLANEOUS REVENUES	4,170	3,000	(1,170)
Total Misc Income	4,170	3,000	(1,170)
Total Operating Revenue	414,795	425,390	10,595
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	84,731	90,933	6,202
51102 LBR-OVERTIME	4,807	9,219	4,412
Total Salaries	89,538	100,152	10,614
Benefits			
51298 BEN-BENEFIT ALLOCATION	36,263	40,562	4,299
Total Benefits	36,263	40,562	4,299
Operating Supplies & Services			
52101 OPR-POWER & UTILITIES	15,000	3,000	(12,000)
52102 OPR-AUXILIARY POWER EXPENSE	5,000	5,000	-
52103 OPR-CHEMICALS	1,500	1,000	(500)
52110 OPR-SMALL TOOLS AND SUPPLIES	200	500	300
52113 OPR-LAB SUPPLIES	4,000	4,000	-
52114 OPR-LABORATORY SERVICES-GBRA	7,000	14,500	7,500
52118 OPR-DISPOSAL SERVICES	20,000	25,000	5,000
52120 OPR-UNIFORMS	250	300	50
52121 OPR-SAFETY & EMERGENCY EXPENSE	1,000	600	(400)

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
52124	OPR-EQUIPMENT EXPENSE	250	-	(250)
52125	OPR-VEHICLE EXPENSE	1,200	4,000	2,800
52133	OPR-SCADA	-	2,800	2,800
	Total Operating Supplies & Services	55,400	60,700	5,300
	Professional Services and Fees			
52205	OPR-PROFESSIONAL SERVICES-OTHER	2,000	-	(2,000)
52217	OPR-INSPECTION FEES	2,000	1,500	(500)
52222	OPR-MEMBERSHIPS & PUBLICATIONS	150	-	(150)
52223	OPR-LICENSE & TRAINING	200	500	300
52224	OPR-TRAVEL	300	300	-
	Total Professional Services and Fees	4,650	2,300	(2,350)
	Office Expenses			
52301	OPR-OFFICE SUPPLIES	500	500	-
52302	OPR-COMPUTER SUPPLIES	2,300	3,600	1,300
52306	OPR-COMMUNICATIONS	3,500	5,050	1,550
	Total Office Expenses	6,300	9,150	2,850
	Other Operating Expenses			
52420	OPR-INSURANCE EXPENSE	2,800	3,500	700
52430	OPR-MISC EXPENSE	2,500	1,000	(1,500)
	Total Other Operating Expenses	5,300	4,500	(800)
	SUBTOTAL OF OPERATIONAL EXPENSES	197,451	217,364	19,913
	Structures			
53205	M&R-PUMPS AND MOTORS	73,500	100,000	26,500
53215	M&R-LIFTSTATIONS	-	33,000	33,000
	Total Structures	73,500	133,000	59,500
	Other Maintenance & Repairs			
53325	M&R-GENERAL MAINTENANCE	54,000	41,900	(12,100)
	Total Other Maintenance & Repairs	54,000	41,900	(12,100)
	SUBTOTAL OF M&R EXPENSES	127,500	174,900	47,400
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	29,547	33,050	3,503
	Total Administrative & General	29,547	33,050	3,503
	Capital Outlay			
13211	ELECTRICAL/CONTROL EQUIPMENT	60,000	-	(60,000)
	Total Capital Outlay	60,000	-	(60,000)

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
TOTAL OPERATING AND M&R EXPENSES	<u>414,498</u>	<u>425,314</u>	<u>10,816</u>
Net Operating Income	<u>297</u>	<u>76</u>	<u>(221)</u>
Net Change in Fund Balance	<u>297</u>	<u>76</u>	<u>(221)</u>



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Comal Trace WDS

Located in Comal County near Bulverde, and purchased by GBRA in 2006, the Comal Trace water distribution system consists of 4 water wells, a pump station and a ground storage tank. The system also receives water from the Western Canyon WTP. 100 acre-feet of raw water per year is available for use in Comal Trace.

The water delivery system is operated and maintained by employees of the Western Canyon WTP division.

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- | | |
|--|---|
| <ul style="list-style-type: none">• Service Provided: Water distribution• Location: Bulverde, TX• Startup Operation Date: 2006• Service Area: Comal Co., TX | <ul style="list-style-type: none">• Capacity: 0.8 MGD• Budgeted Revenue: \$276,970 |
|--|---|

Western Canyon Division Comal Trace Water Distribution System Operating Plan for Fiscal Year Ending 8/31/20

BACKGROUND

GBRA purchased the Comal Trace Subdivision Water System in December of 2006. The Comal Trace Water System consists of 4 water wells, a pump station, a ground storage tank, and hydro pneumatic pressure tanks. This groundwater system is supplemented with surface water produced at GBRA's Western Canyon Water Treatment Plant.

REVENUE SOURCES AND TRENDS

Revenues are obtained through connection fees for water service, tap fees and monthly water service fees. Water sales revenue is projected to be \$260,970 in FY 2020.

CAPITAL ADDITIONS AND OPERATING EXPENSES

Operating expenses include \$85,000 for interdivisional water transfer costs from the Western Canyon Regional Water Supply Project. Additional significant costs include \$12,000 for power to operate the wells and booster pumps, \$7,500 to replace residential water meters, and \$22,650 for material and services related to maintaining and repairing the water wells and distribution system.

In order to meet public service needs through motivated employees, provide advanced training, and maintain and upgrade occupational licenses, personnel will attend courses provided by various approved sources such as Texas Engineering Extension Service and Texas Water Utility Association. Plant personnel will also conduct in-house training in team building skills, confined space rescue, hazard communication, electrical safety and maintenance, first aid, and CPR. Other training will include computer software and personal development seminars.

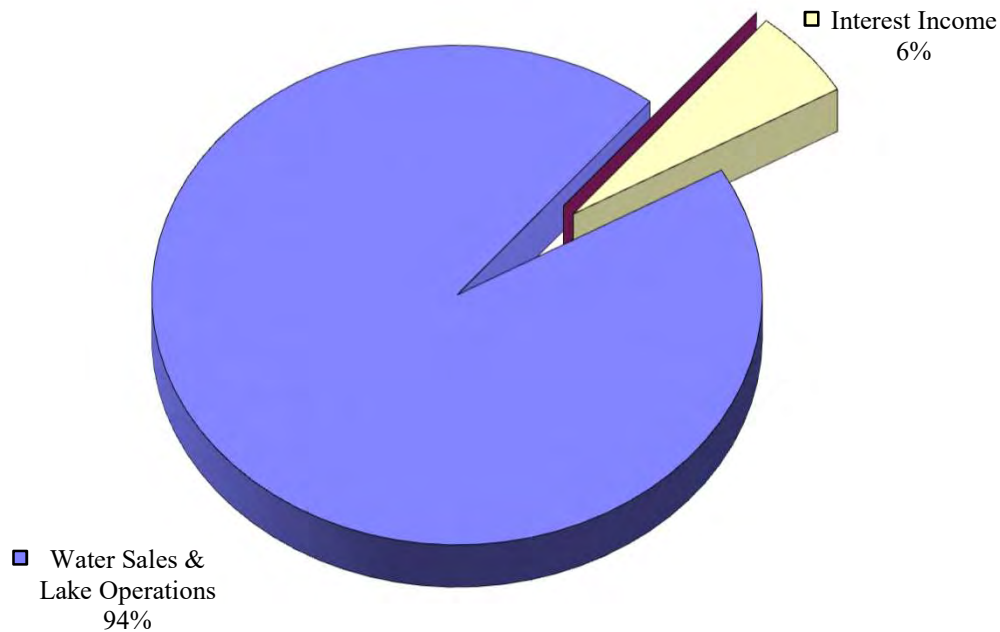
FUND BALANCE

Funds for the above maintenance projects as well as all of the other operating expenditures that are summarized in the following pages will be provided using revenues from customer billings. GBRA sets customer rates to reflect the anticipated costs of providing water service over time and as such, the fund balance expected during FY 2020 is \$40,627.



Budget Summary

REVENUES -Comal Trace WDS

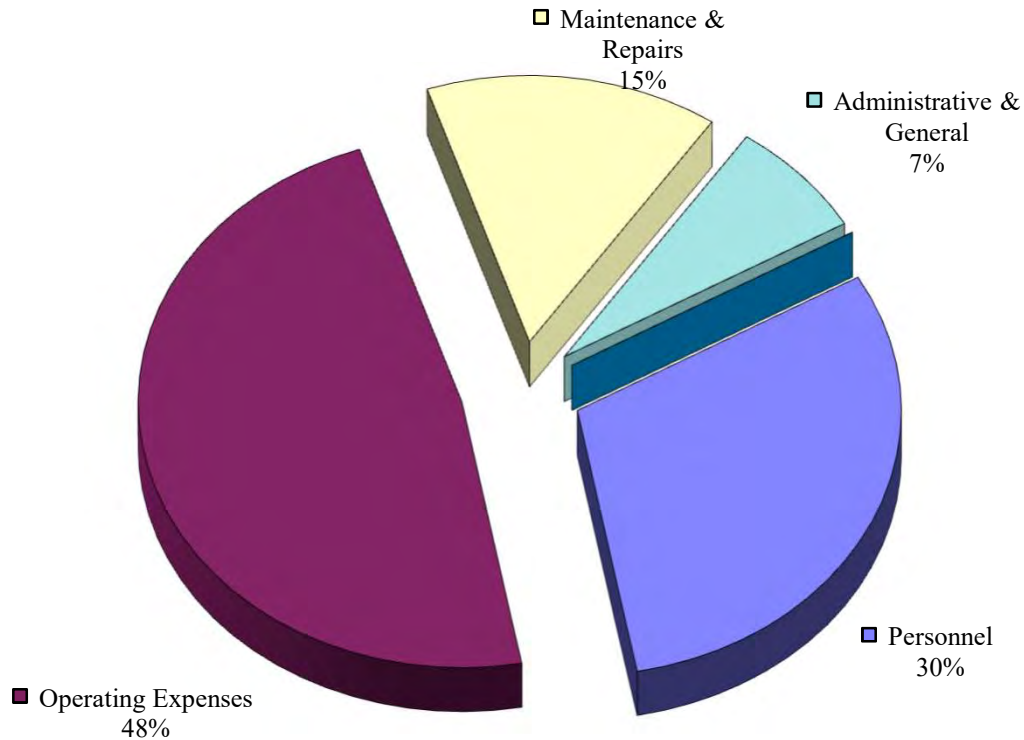


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations	304,673	262,020	260,970
Recreation & Land Use			
Wastewater Services			
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	2,757	1,644	
Total Operating Revenue	307,430	263,664	260,970
Interest Income	14,542	9,000	16,000
Grand Total Revenues	321,972	272,664	276,970



Budget Summary

EXPENSES - Comal Trace WDS



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	32,735	56,620	71,783
Operating Expenses	125,901	108,450	113,050
Maintenance & Repairs	9,847	37,150	34,650
Administrative & General	7,689	13,299	16,860
Total Operating Expenses	176,172	215,519	236,343
Interest Expense			
Capital Outlay			
Debt Service			
Grand Total Expenses	176,172	215,519	236,343

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020**

054 - Comal Trace WDS

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET				
OPERATING REVENUES				
Retail Water Sales				
42301	WATER SALES	254,520	257,970	3,450
42310	WATER CONNECTION FEES	7,500	3,000	(4,500)
	Total Retail Water Sales	262,020	260,970	(1,050)
Operating Interest				
44101	INT-OPR CASH ACCOUNTS	9,000	-	(9,000)
44110	INT-OPR INVESTMENT FUNDS	-	16,000	16,000
	Total Operating Interest	9,000	16,000	7,000
Misc Income				
45195	MISCELLANEOUS REVENUES	1,644	-	(1,644)
	Total Misc Income	1,644	-	(1,644)
	Total Operating Revenue	272,664	276,970	4,306
OPERATING EXPENSES				
Salaries				
51101	LBR-REGULAR WAGES	40,218	50,114	9,896
51102	LBR-OVERTIME	81	977	896
	Total Salaries	40,299	51,091	10,792
Benefits				
51298	BEN-BENEFIT ALLOCATION	16,321	20,692	4,371
	Total Benefits	16,321	20,692	4,371
Operating Supplies & Services				
52101	OPR-POWER & UTILITIES	10,000	12,000	2,000
52103	OPR-CHEMICALS	300	300	-
52110	OPR-SMALL TOOLS AND SUPPLIES	100	100	-
52113	OPR-LAB SUPPLIES	500	500	-
52114	OPR-LABORATORY SERVICES-GBRA	500	800	300

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
52115 OPR-LABORATORY SERVICES-OUTSOURCED	500	1,000	500
52120 OPR-UNIFORMS	500	500	-
52121 OPR-SAFTY & EMERGENCY EXPENSE	500	500	-
52124 OPR-EQUIPMENT EXPENSE	250	-	(250)
52125 OPR-VEHICLE EXPENSE	1,500	1,500	-
52133 OPR-SCADA	-	2,800	2,800
52150 OPR-WATER PURCHASES/DELIVERY	85,000	85,000	-
Total Operating Supplies & Services	99,650	105,000	5,350
Professional Services and Fees			
52205 OPR-PROFESSIONAL SERVICES-OTHER	1,500	1,500	-
52217 OPR-INSPECTION FEES	1,000	1,000	-
Total Professional Services and Fees	2,500	2,500	-
Office Expenses			
52301 OPR-OFFICE SUPPLIES	400	200	(200)
52302 OPR-COMPUTER SUPPLIES	1,300	1,850	550
52306 OPR-COMMUNICATIONS	1,000	1,500	500
Total Office Expenses	2,700	3,550	850
Other Operating Expenses			
52420 OPR-INSURANCE EXPENSE	1,600	2,000	400
52430 OPR-MISC EXPENSE	2,000	-	(2,000)
Total Other Operating Expenses	3,600	2,000	(1,600)
SUBTOTAL OF OPERATIONAL EXPENSES	165,070	184,833	19,763
Maintenance and Repair Equipment			
53101 M&R-EQUIPMENT	2,150	2,150	-
53115 M&R-METERS	10,000	7,500	(2,500)
Total Maintenance and Repair Equipment	12,150	9,650	(2,500)
Structures			
53205 M&R-PUMPS AND MOTORS	5,000	5,000	-
Total Structures	5,000	5,000	-
Other Maintenance & Repairs			
53325 M&R-GENERAL MAINTENANCE	18,000	20,000	2,000
53399 M&R-MISC EXPENSE	2,000	-	(2,000)
Total Other Maintenance & Repairs	20,000	20,000	-
SUBTOTAL OF M&R EXPENSES	37,150	34,650	(2,500)
Administrative & General			
54100 ADMINISTRATIVE & GENERAL	13,299	16,860	3,561

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
Total Administrative & General	13,299	16,860	3,561
TOTAL OPERATING AND M&R EXPENSES	215,519	236,343	20,824
Net Operating Income	57,145	40,627	(16,518)
Net Change in Fund Balance	57,145	40,627	(16,518)



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Johnson Ranch WDS
South water delivery point

Johnson Ranch WDS

Located in Comal County near Bulverde, operations of the Johnson Ranch water distribution system began in 2009. Source water is pumped from Canyon Lake, treated at the Western Canyon WTP and delivered to the system through the Hwy 46 treated water delivery system. 900 acre-feet of raw water per year is available for use in Johnson Ranch.

The water delivery system is operated and maintained by employees of the Western Canyon WTP division.

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- | | |
|--|-------------------------------|
| • Service Provided: Water distribution | • Capacity: 0.8 MGD |
| • Location: Bulverde, TX | • Budgeted Revenue: \$790,180 |
| • Startup Operation Date: 2006 | |
| • Service Area: Comal Co., TX | |

Western Canyon Division

Johnson Ranch Water Distribution System

Operating Plan for Fiscal Year Ending 8/31/20

BACKGROUND

GBRA initiated treated surface water deliveries from the Western Canyon Water Treatment Plant to the Johnson Ranch development in June 2009. Construction and development of the Johnson Ranch Water Distribution System will continue until a final build out of approximately 1,000 residential homes sometime in the future. The system also provides potable water to Comal I.S.D. Johnson Ranch Elementary School located within the subdivision's boundaries. The system includes two water storage tanks and booster stations. Each tank has a storage capacity of approximately 250,000 gallons. Considerable residential construction is underway within the development and increased water deliveries should occur in FY 2020.

REVENUE SOURCES AND TRENDS

Revenues are obtained through connection fees for water service, tap fees, and monthly water service fees. Revenues are projected to be \$790,180 during FY 2020.

CAPITAL ADDITIONS AND OPERATING EXPENSES

Operating expenses include \$260,500 for interdivisional water purchases and delivery from the Western Canyon Regional Water Supply Project. Another substantive operating costs include \$10,000 for power to operate the booster stations, \$9,950 to maintain emergency generators located on site, \$11,000 for residential water meters, and \$6,050 for material and services related to maintaining and repairing the system. There are no capital additions planned for FY 2020.

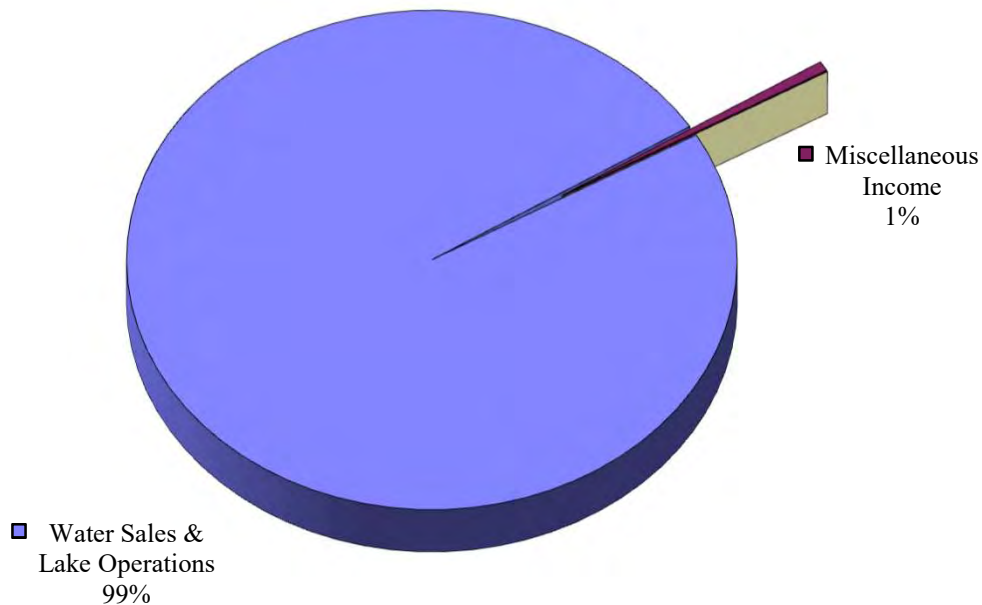
FUND BALANCE

Funds for the above listed maintenance projects as well as all of the other operating expenditures that are summarized in the following pages will be provided using revenues from customer billings. Since water rates and the resulting revenues are based upon the operating costs of the System, the resultant change in fund balance amounts to \$337,222.



Budget Summary

REVENUES -Johnson Ranch WDS

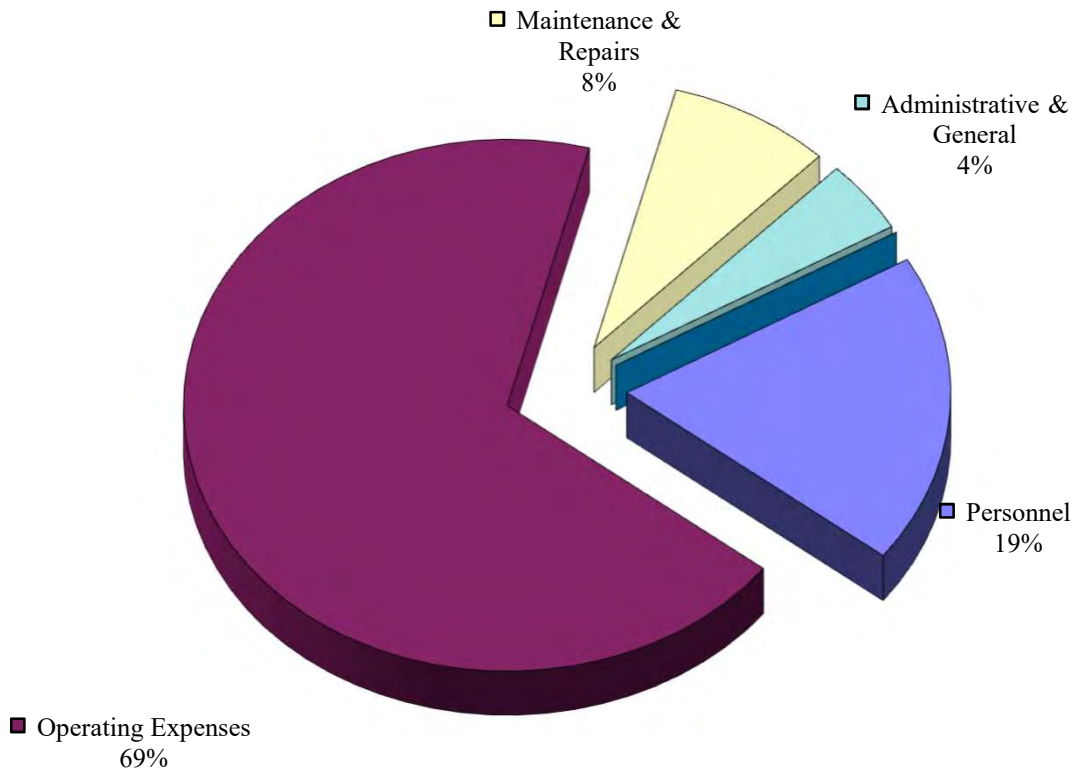


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations	410,681	768,600	785,180
Recreation & Land Use			
Wastewater Services			
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	10,001	77,235	5,000
Total Operating Revenue	420,682	845,835	790,180
Interest Income	488		
Grand Total Revenues	421,170	845,835	790,180



Budget Summary

EXPENSES - Johnson Ranch WDS



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	80,251	84,259	85,157
Operating Expenses	289,340	276,000	310,800
Maintenance & Repairs	32,730	35,000	37,000
Administrative & General	18,849	19,790	20,001
Total Operating Expenses	421,170	415,049	452,958
Interest Expense			
Capital Outlay			
Debt Service			
Grand Total Expenses	421,170	415,049	452,958

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020**

055 - Johnson Ranch WDS

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET				
OPERATING REVENUES				
Retail Water Sales				
42301	WATER SALES	672,600	723,180	50,580
42310	WATER CONNECTION FEES	96,000	60,000	(36,000)
42340	TRANSFER FEES	-	2,000	2,000
	Total Retail Water Sales	768,600	785,180	16,580
Misc Income				
45195	MISCELLANEOUS REVENUES	77,235	5,000	(72,235)
	Total Misc Income	77,235	5,000	(72,235)
	Total Operating Revenue	845,835	790,180	(55,655)
OPERATING EXPENSES				
Salaries				
51101	LBR-REGULAR WAGES	56,141	50,589	(5,552)
51102	LBR-OVERTIME	3,830	10,021	6,191
	Total Salaries	59,971	60,610	639
Benefits				
51298	BEN-BENEFIT ALLOCATION	24,288	24,547	259
	Total Benefits	24,288	24,547	259
Operating Supplies & Services				
52101	OPR-POWER & UTILITIES	1,000	10,000	9,000
52102	OPR-AUXILIARY POWER EXPENSE	2,000	9,950	7,950
52103	OPR-CHEMICALS	2,500	800	(1,700)
52110	OPR-SMALL TOOLS AND SUPPLIES	100	100	-
52113	OPR-LAB SUPPLIES	2,700	500	(2,200)
52114	OPR-LABORATORY SERVICES-GBRA	300	1,000	700
52115	OPR-LABORATORY SERVICES-OUTSOURCED	1,000	500	(500)
52120	OPR-UNIFORMS	500	500	-
52121	OPR-SAFETY & EMERGENCY EXPENSE	500	500	-

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
52122	OPR-SECURITY EXPENSE	500	500	-
52124	OPR-EQUIPMENT EXPENSE	1,000	1,500	500
52125	OPR-VEHICLE EXPENSE	4,000	4,000	-
52133	OPR-SCADA	2,000	2,800	800
52150	OPR-WATER PURCHASES/DELIVERY	239,000	260,500	21,500
	Total Operating Supplies & Services	257,100	293,150	36,050
	Professional Services and Fees			
52205	OPR-PROFESSIONAL SERVICES-OTHER	10,000	10,000	-
52217	OPR-INSPECTION FEES	1,000	1,300	300
52223	OPR-LICENSE & TRAINING	200	200	-
52224	OPR-TRAVEL	-	1,000	1,000
	Total Professional Services and Fees	11,200	12,500	1,300
	Office Expenses			
52301	OPR-OFFICE SUPPLIES	1,000	1,000	-
52302	OPR-COMPUTER SUPPLIES	1,300	1,150	(150)
52306	OPR-COMMUNICATIONS	1,000	1,000	-
	Total Office Expenses	3,300	3,150	(150)
	Other Operating Expenses			
52420	OPR-INSURANCE EXPENSE	2,400	2,000	(400)
52430	OPR-MISC EXPENSE	2,000	-	(2,000)
	Total Other Operating Expenses	4,400	2,000	(2,400)
	SUBTOTAL OF OPERATIONAL EXPENSES	360,259	395,957	35,698
	Maintenance and Repair Equipment			
53115	M&R-METERS	11,000	11,000	-
	Total Maintenance and Repair Equipment	11,000	11,000	-
	Structures			
53205	M&R-PUMPS AND MOTORS	4,000	4,000	-
53230	M&R-PIPELINES	-	2,000	2,000
	Total Structures	4,000	6,000	2,000
	Other Maintenance & Repairs			
53325	M&R-GENERAL MAINTENANCE	20,000	20,000	-
	Total Other Maintenance & Repairs	20,000	20,000	-
	SUBTOTAL OF M&R EXPENSES	35,000	37,000	2,000
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	19,790	20,001	211
	Total Administrative & General	19,790	20,001	211

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
TOTAL OPERATING AND M&R EXPENSES	<u>415,049</u>	<u>452,958</u>	<u>37,909</u>
Net Operating Income	<u>430,786</u>	<u>337,222</u>	<u>(93,564)</u>
Net Change in Fund Balance	<u>430,786</u>	<u>337,222</u>	<u>(93,564)</u>



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Johnson Ranch WWT

Located in Comal County near Bulverde, the Johnson Ranch wastewater system began in October 2015 and consists of a collection system and wastewater treatment plant. The plant is permitted to treat and discharge up to 0.115 mgd.

The wastewater collection and treatment system is operated and maintained by employees of the Western Canyon WTP division.

-
- | | |
|---|---|
| <ul style="list-style-type: none">• Service Provided: Wastewater collection and treatment• Location: Bulverde, TX• Startup Operation Date: 2015 | <ul style="list-style-type: none">• Service Area: Comal Co., TX• Capacity: 0.115 MGD• Budgeted Revenue: \$350,964 |
|---|---|

Western Canyon Division
Johnson Ranch Wastewater Treatment Plant System
Operating Plan for Fiscal Year Ending 8/31/20

BACKGROUND

GBRA initiated treated surface water deliveries from the Western Canyon Water Treatment Plant to the Johnson Ranch development in June 2009. The Johnson Ranch Wastewater Treatment Plant was started up in August 2015. Construction of new homes will continue for several years, with a projected build out of 1,000 homes. The developer, DHJB Development, is in the process of constructing a new wastewater plant with a treatment capacity of 350,000 gallons per day. Two temporary treatment plants are currently under operation until the permanent facility are completed.

REVENUE SOURCES AND TRENDS

Revenues will be obtained through connection fees for wastewater service, tap fees, and monthly wastewater service fees. Revenues are projected to be \$350,964 during FY 2020 which is 21.8% or \$97,836 less than the FY 2019 service fee budget.

CAPITAL ADDITIONS AND OPERATING EXPENSES

Five operators will divide their time between the Cordillera Ranch, Johnson Ranch, Bulverde Singing Hills Wastewater Reclamation System, Park Village, Four S Ranch and Boerne ISD Voss Middle School. The Division Manager for Comal/Kendall Counties provides overall supervision of the system. The principal operating expenses for FY 2020 are personnel costs in the amount of \$141,415. Other significant operating costs include \$36,000 for lab supplies and services and \$51,234 for bio-solids disposal. These costs represent the testing of the treated wastewater and removal of sludge from the plant. Since DHJB Development is currently constructing a new facility, there are no capital improvement expenses planned for FY 2020.

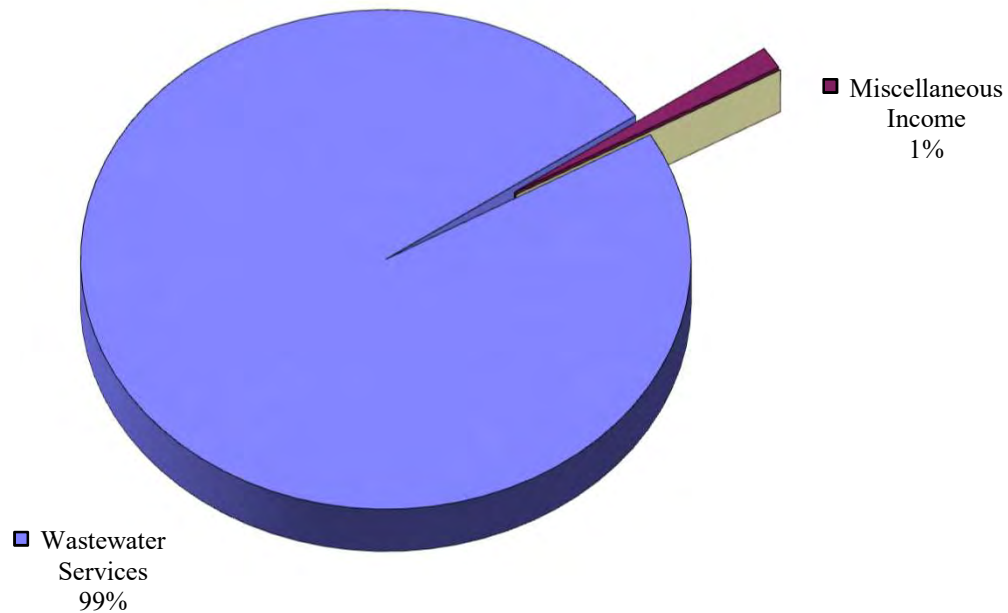
FUND BALANCE

Funds for the above listed operating expenditures as well as other expenditures that are summarized in the following pages will be provided from revenues resulting from customer billings. The resultant change in fund balance amounts to \$0.



Budget Summary

REVENUES -Johnson Ranch WWTP

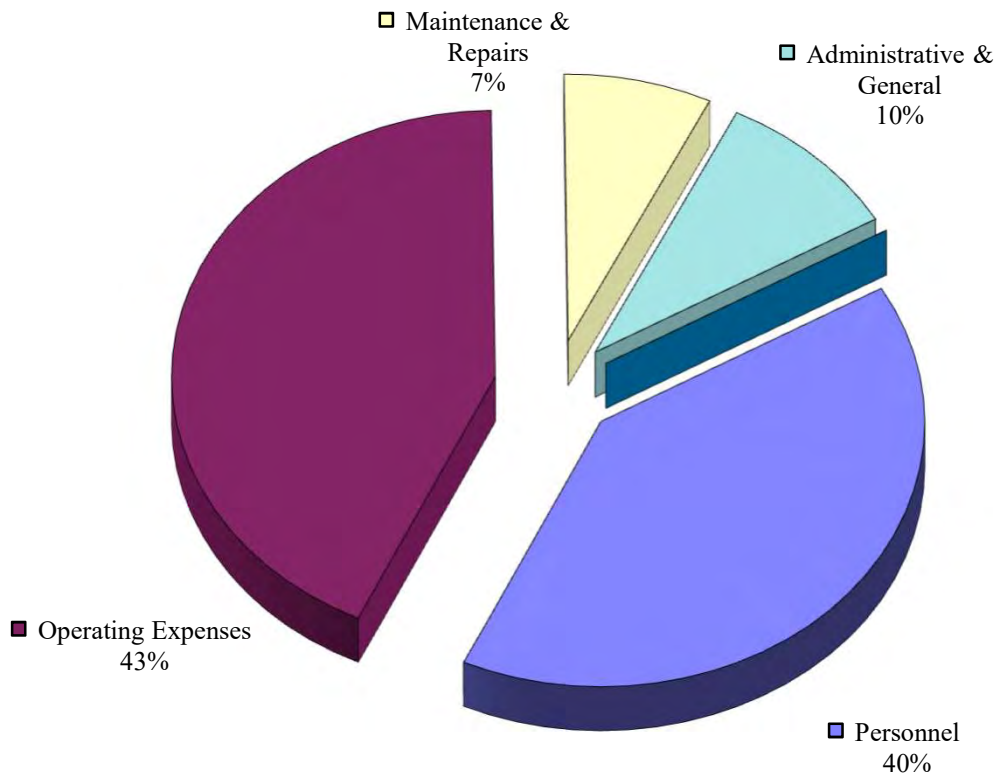


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services	383,134	442,600	345,964
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	7,394	6,200	5,000
Total Operating Revenue	390,528	448,800	350,964
Interest Income			
Grand Total Revenues	390,528	448,800	350,964



Budget Summary

EXPENSES - Johnson Ranch WWTP



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	159,325	122,288	141,415
Operating Expenses	167,767	147,900	150,334
Maintenance & Repairs	26,014	28,000	26,000
Administrative & General	37,422	28,723	33,215
Total Operating Expenses	390,528	326,911	350,964
Interest Expense			
Capital Outlay			
Debt Service			
Grand Total Expenses	390,528	326,911	350,964

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020**

056 - Johnson Ranch WWTP

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET				
OPERATING REVENUES				
Retail Wastewater				
42401	WASTEWATER SERVICES	318,600	332,214	13,614
42402	SEWER CONNECTION/INSP FEES	124,000	13,750	(110,250)
	Total Retail Wastewater	442,600	345,964	(96,636)
Misc Income				
45195	MISCELLANEOUS REVENUES	6,200	5,000	(1,200)
	Total Misc Income	6,200	5,000	(1,200)
	Total Operating Revenue	448,800	350,964	(97,836)
OPERATING EXPENSES				
Salaries				
51101	LBR-REGULAR WAGES	79,756	87,699	7,943
51102	LBR-OVERTIME	7,282	12,952	5,670
	Total Salaries	87,038	100,651	13,613
Benefits				
51298	BEN-BENEFIT ALLOCATION	35,250	40,764	5,514
	Total Benefits	35,250	40,764	5,514
Operating Supplies & Services				
52101	OPR-POWER & UTILITIES	1,000	1,000	-
52102	OPR-AUXILIARY POWER EXPENSE	2,500	5,100	2,600
52103	OPR-CHEMICALS	13,500	40,000	26,500
52110	OPR-SMALL TOOLS AND SUPPLIES	400	500	100
52113	OPR-LAB SUPPLIES	6,000	6,000	-
52114	OPR-LABORATORY SERVICES-GBRA	9,000	30,000	21,000
52118	OPR-DISPOSAL SERVICES	76,000	51,234	(24,766)
52121	OPR-SAFETY & EMERGENCY EXPENSE	1,500	1,000	(500)
52122	OPR-SECURITY EXPENSE	100	-	(100)
52125	OPR-VEHICLE EXPENSE	1,900	1,500	(400)

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
52133	OPR-SCADA	2,000	4,800	2,800
	Total Operating Supplies & Services	113,900	141,134	27,234
	Professional Services and Fees			
52205	OPR-PROFESSIONAL SERVICES-OTHER	25,000	-	(25,000)
52222	OPR-MEMBERSHIPS & PUBLICATIONS	100	300	200
52223	OPR-LICENSE & TRAINING	200	1,000	800
52224	OPR-TRAVEL	300	300	-
	Total Professional Services and Fees	25,600	1,600	(24,000)
	Office Expenses			
52301	OPR-OFFICE SUPPLIES	1,000	800	(200)
52302	OPR-COMPUTER SUPPLIES	2,400	3,100	700
52306	OPR-COMMUNICATIONS	1,000	1,200	200
	Total Office Expenses	4,400	5,100	700
	Other Operating Expenses			
52420	OPR-INSURANCE EXPENSE	1,000	1,500	500
52430	OPR-MISC EXPENSE	3,000	1,000	(2,000)
	Total Other Operating Expenses	4,000	2,500	(1,500)
	SUBTOTAL OF OPERATIONAL EXPENSES	270,188	291,749	21,561
	Structures			
53205	M&R-PUMPS AND MOTORS	4,000	6,000	2,000
53215	M&R-LIFTSTATIONS	1,000	-	(1,000)
	Total Structures	5,000	6,000	1,000
	Other Maintenance & Repairs			
53325	M&R-GENERAL MAINTENANCE	23,000	20,000	(3,000)
	Total Other Maintenance & Repairs	23,000	20,000	(3,000)
	SUBTOTAL OF M&R EXPENSES	28,000	26,000	(2,000)
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	28,723	33,215	4,492
	Total Administrative & General	28,723	33,215	4,492
	TOTAL OPERATING AND M&R EXPENSES	326,911	350,964	24,053
	Net Operating Income	121,889	-	(121,889)
	Net Change in Fund Balance	121,889	-	(121,889)



Bulverde Singing Hills WWTP

Located in Bulverde, the Singing Hills wastewater system began in October 2015 and consists of a collection system, wastewater treatment plant, and reuse system. The plant is permitted to treat and discharge up to 0.048 mgd.

The wastewater collection and treatment system and reuse system is operated and maintained by employees of the Western Canyon WTP division.

-
- | | |
|---|-------------------------------|
| • Service Provided: Wastewater treatment and collection | • Service Area: Comal Co., TX |
| • Location: Bulverde, TX | • Capacity: 0.048 MGD |
| • Startup Operation Date: 2015 | • Budgeted Revenue: \$304,483 |

Western Canyon Division
Singing Hills Wastewater Treatment Plant System
Operating Plan for Fiscal Year Ending 8/31/20

BACKGROUND

GBRA initiated operations of the Singing Hills wastewater system, located in Bulverde, Texas, in October 2015. The initial operation was as a pump and haul trucking operation to dispose of the wastewater while the wastewater treatment plant was under construction. The Singing Hills WWTP was started up on March 15, 2016, as businesses began populating a nearby shopping center. The discharge from the wastewater treatment plant can be used for irrigation of the green areas within the shopping center. Residential and commercial construction will continue for the next several years. In addition to the shopping areas, the system receives wastewater from the nearby Bill Brown Elementary School and The Preserve residential development.

REVENUE SOURCES AND TRENDS

This is a cost of service contract between GBRA and the City of Bulverde. GBRA collects the connection and service fees on behalf of the City, through an agreement with Canyon Lake Water Supply Corporation. The City makes monthly payments to GBRA in the amount of one-twelfth of the FY 2020 budgeted expenses. In total, revenue for FY 2020 is budgeted at \$304,483.

CAPITAL ADDITIONS AND OPERATING EXPENSES

The principal operating expenses during the early startup phase of this new plant are personnel costs including wages and benefits in the amount of \$104,288. Other significant operating costs include total chemical expenses at \$27,000, laboratory supplies and services at \$28,000, and biosolids disposal at \$21,500. Capital expenses for FY 2020 include the purchase of a second biosolids drying box.

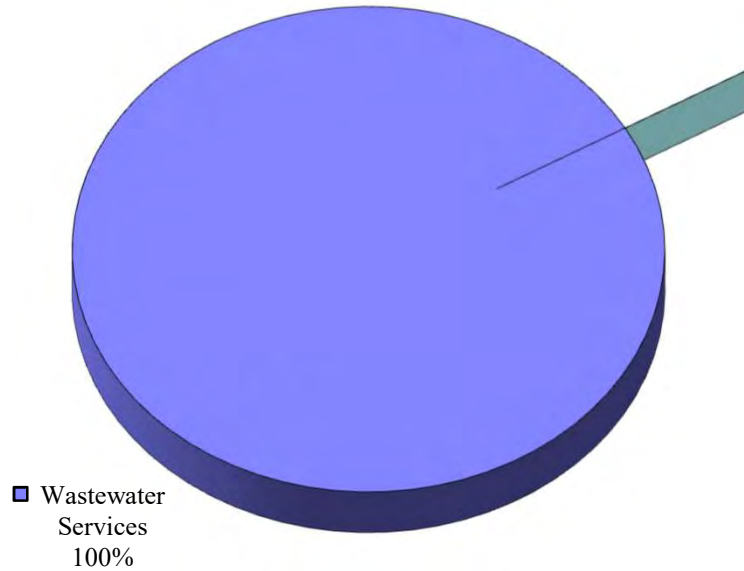
FUND BALANCE

Funds for the above listed operating expenditures as well as the other expenditures that are summarized in the following pages will be provided by the City of Bulverde, using revenues from customer billings supplemented with charges to developers. Since wastewater rates and the resulting revenues, including any year-end budget-to-actual make-up payments from the City of Bulverde, are based upon the operating costs of the system, the resultant change in fund balance amounts to \$0.



Budget Summary

REVENUES - Bulverde Singing Hills WWRS

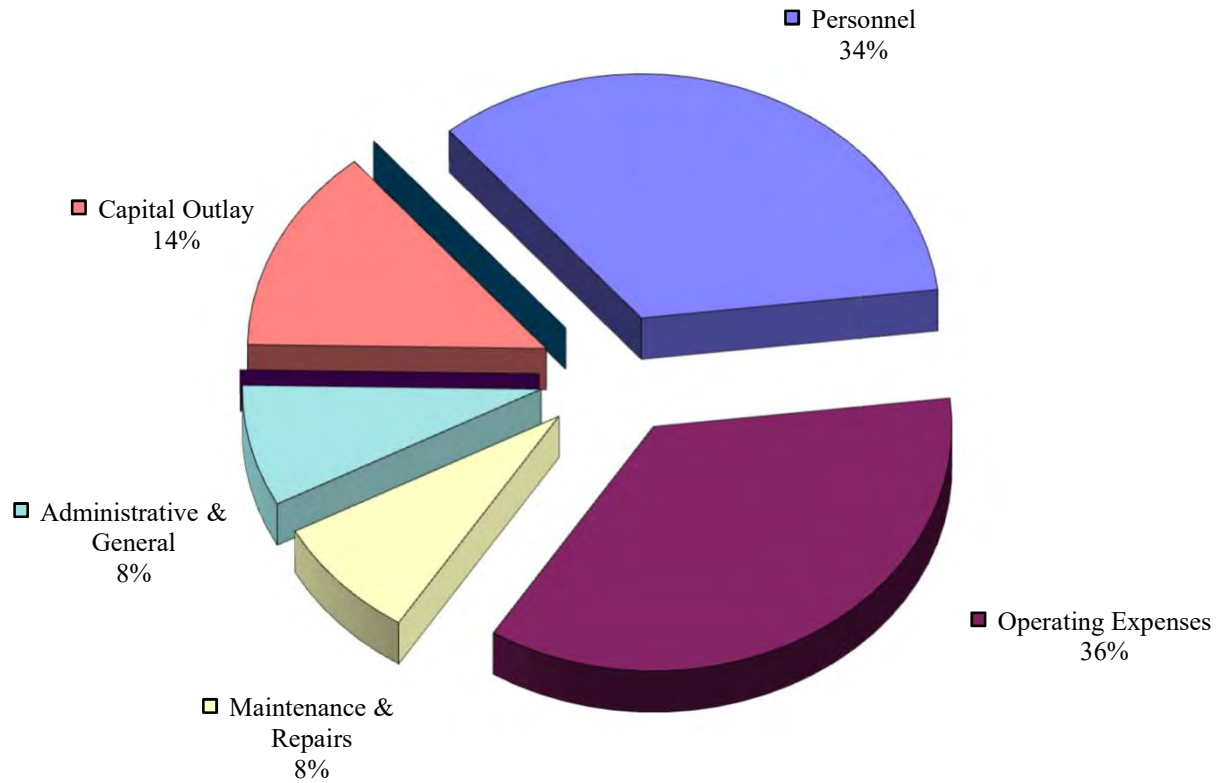


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services	115,357	186,468	304,483
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income			
Total Operating Revenue	115,357	186,468	304,483
Interest Income			
Grand Total Revenues	115,357	186,468	304,483



Budget Summary

EXPENSES - Bulverde Singing Hills WWRS



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	51,812	72,168	104,288
Operating Expenses	40,676	71,350	109,200
Maintenance & Repairs	10,699	26,000	25,000
Administrative & General	12,170	16,950	24,495
Total Operating Expenses	115,357	186,468	262,983
Interest Expense			
Capital Outlay			41,500
Debt Service			
Grand Total Expenses	115,357	186,468	304,483

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020**

057 - Bulverde Singing Hills WWRS

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET				
OPERATING REVENUES				
Wastewater Treatment				
41201	WW-OPR & MAINTENANCE	186,468	304,483	118,015
	Total Wastewater Treatment	186,468	304,483	118,015
	Total Operating Revenue	186,468	304,483	118,015
OPERATING EXPENSES				
Salaries				
51101	LBR-REGULAR WAGES	51,271	68,039	16,768
51102	LBR-OVERTIME	94	6,187	6,093
	Total Salaries	51,365	74,226	22,861
Benefits				
51298	BEN-BENEFIT ALLOCATION	20,803	30,062	9,259
	Total Benefits	20,803	30,062	9,259
Operating Supplies & Services				
52102	OPR-AUXILIARY POWER EXPENSE	2,500	5,000	2,500
52103	OPR-CHEMICALS	14,200	27,000	12,800
52110	OPR-SMALL TOOLS AND SUPPLIES	500	500	-
52113	OPR-LAB SUPPLIES	15,000	6,000	(9,000)
52114	OPR-LABORATORY SERVICES-GBRA	9,000	22,000	13,000
52118	OPR-DISPOSAL SERVICES	17,000	21,500	4,500
52120	OPR-UNIFORMS	300	-	(300)
52121	OPR-SAFETY & EMERGENCY EXPENSE	1,500	1,000	(500)
52122	OPR-SECURITY EXPENSE	250	-	(250)
52124	OPR-EQUIPMENT EXPENSE	500	-	(500)
52125	OPR-VEHICLE EXPENSE	(8,000)	4,000	12,000
52133	OPR-SCADA	2,500	3,500	1,000
	Total Operating Supplies & Services	55,250	90,500	35,250

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
	Professional Services and Fees			
52205	OPR-PROFESSIONAL SERVICES-OTHER	10,000	-	(10,000)
52219	OPR-CUSTOMER BILLING FEES	-	12,000	12,000
52222	OPR-MEMBERSHIPS & PUBLICATIONS	100	500	400
52223	OPR-LICENSE & TRAINING	200	1,000	800
52224	OPR-TRAVEL	200	300	100
	Total Professional Services and Fees	10,500	13,800	3,300
	Office Expenses			
52301	OPR-OFFICE SUPPLIES	1,000	800	(200)
52302	OPR-COMPUTER SUPPLIES	100	100	-
52306	OPR-COMMUNICATIONS	500	1,000	500
	Total Office Expenses	1,600	1,900	300
	Other Operating Expenses			
52420	OPR-INSURANCE EXPENSE	1,000	1,500	500
52430	OPR-MISC EXPENSE	3,000	1,500	(1,500)
	Total Other Operating Expenses	4,000	3,000	(1,000)
	SUBTOTAL OF OPERATIONAL EXPENSES	143,518	213,488	69,970
	Maintenance and Repair Equipment			
53101	M&R-EQUIPMENT	2,000	-	(2,000)
	Total Maintenance and Repair Equipment	2,000	-	(2,000)
	Structures			
53205	M&R-PUMPS AND MOTORS	5,000	10,000	5,000
	Total Structures	5,000	10,000	5,000
	Other Maintenance & Repairs			
53325	M&R-GENERAL MAINTENANCE	19,000	15,000	(4,000)
	Total Other Maintenance & Repairs	19,000	15,000	(4,000)
	SUBTOTAL OF M&R EXPENSES	26,000	25,000	(1,000)
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	16,950	24,495	7,545
	Total Administrative & General	16,950	24,495	7,545
	Capital Outlay			
13219	MISCELLANEOUS EQUIPMENT	-	41,500	41,500
	Total Capital Outlay	-	41,500	41,500
	TOTAL OPERATING AND M&R EXPENSES	186,468	304,483	118,015
	Net Operating Income	-	-	-
	Net Change in Fund Balance	-	-	-

Bulverde Singing Hills WWRS- Capital Outlay Expense

Description	FY 2020
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Capital Outlay Funded From Current Revenues

Sludge Drying Box	\$	41,500
Total Bulverde Singing Hills WWRS Capital Outlay Expense	\$	41,500



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Park Village WWTP
Construction of collection
system

Park Village WWTP

Located in Comal County near Bulverde, the Park Village wastewater system is expected to commence operations in Fiscal Year 2019, beginning with an interim pump and haul service and transition into a collection system and wastewater treatment plant. The initial phase of the wastewater treatment plant will be permitted to treat and discharge up to 0.098 mgd.

The wastewater collection and treatment system will be operated and maintained by employees of the Western Canyon WTP division.

-
- | | |
|---|-------------------------------|
| • Service Provided: Wastewater collection and treatment | • Service Area: Comal Co., TX |
| • Location: Bulverde, TX | • Capacity: 0.098 MGD |
| • Startup Operation Date: 2018 | • Budgeted Revenue: \$246,008 |

Western Canyon Division

Park Village Wastewater Reclamation System

Operating Plan for Fiscal Year Ending 8/31/20

BACKGROUND

The following Work Plan and Budget is based on initiating a “pump and haul” operation for the Park Village Development in which wastewater will be trucked to a regional wastewater plant until the Development finishes constructing its own plant sometime in FY 2020. A temporary treatment system is currently treating the waste to reduce pump and haul cost at the expense of the developer.

REVENUE SOURCES AND TRENDS

The Park Village Wastewater Reclamation Facility will eventually consist of retail wastewater collection, a wastewater treatment plant and possibly a reuse system.

CAPITAL ADDITIONS AND OPERATING EXPENSES

Five operators will divide their time between the Cordillera Ranch, Johnson Ranch, Bulverde Singing Hills Wastewater Reclamation System, Park Village, Four S Ranch and Boerne ISD Voss Middle School. The Division Manager for Comal/Kendall Counties provides overall supervision of the system. The contract between the Comal County WCID No. 6 District and GBRA provides that GBRA operate the plant and associated facilities upon completion of construction as well as bill the customers of the system. The monthly wastewater service fee charged to each residential customer was established by GBRA to coincide with rates already established for the Johnson Ranch operation. The contract also provides that GBRA will bill the District the actual cost of operating and maintaining the plant in excess of the revenue from customers. As a result, revenue from the Park Village System does not over-recover nor under-recover the cost of operating the plant.

The budgeted FY 2020 service revenue for the Park Village Wastewater System is \$246,008.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

The combined capital additions and operating expenditure budget for FY 2020 amounts to \$246,008.

Significant operating and maintenance expenses for FY 2020 include \$10,000 for power to operate the wastewater plant following startup, laboratory supplies and services in the amount of \$24,000 and biosolids disposal costs in the amount of \$15,000.

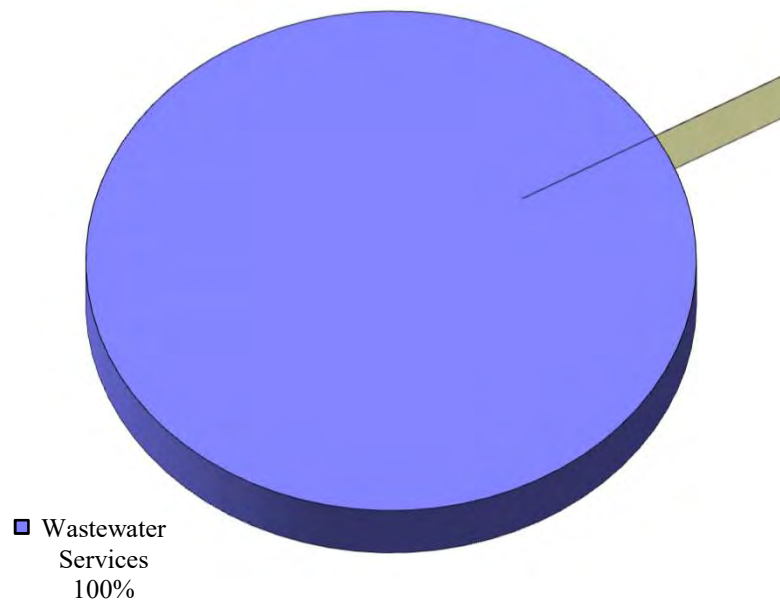
FUND BALANCE

Funds for the above listed capital additions and maintenance projects as well as all of the other operating expenditures that are summarized in the following pages will be provided from the District. The net increase in the fund balance that GBRA anticipates in the Park Village Wastewater System is \$0.



Budget Summary

REVENUES -Park Village WWRS

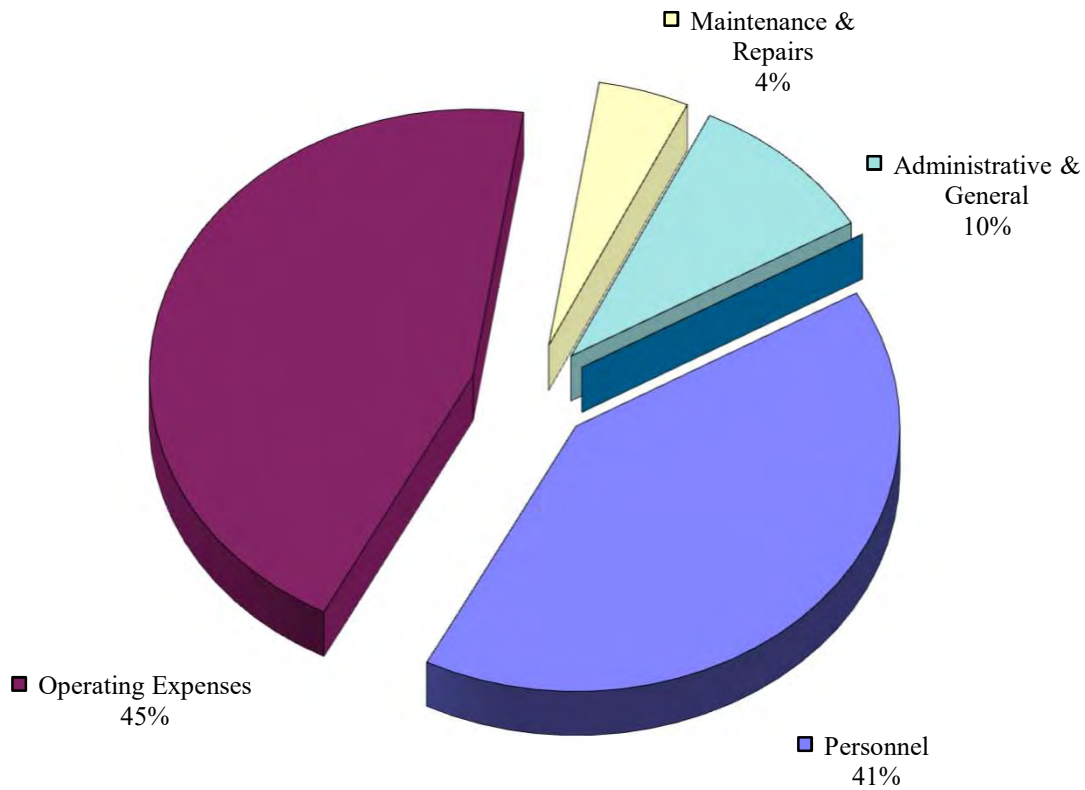


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services	206,369	226,221	246,008
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income			
Total Operating Revenue	206,369	226,221	246,008
Interest Income			
Grand Total Revenues	206,369	226,221	246,008



Budget Summary

EXPENSES - Park Village WWRS



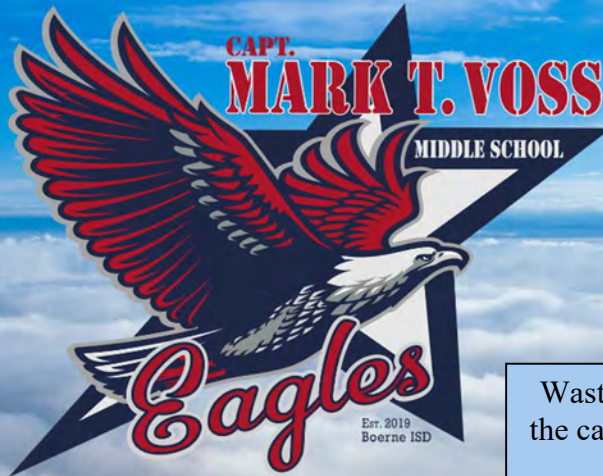
Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	79,207	92,901	100,745
Operating Expenses	108,494	108,000	110,401
Maintenance & Repairs	65	3,500	11,200
Administrative & General	18,603	21,820	23,662
Total Operating Expenses	206,369	226,221	246,008
Interest Expense			
Capital Outlay			
Debt Service			
Grand Total Expenses	206,369	226,221	246,008

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020**

058 - Park Village WWRS

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET			
OPERATING REVENUES			
Retail Wastewater			
42401 WASTEWATER SERVICES	27,000	88,700	61,700
42402 SEWER CONNECTION/INSP FEES	27,500	-	(27,500)
42450 CHARGES TO DEVELOPERS	171,721	157,308	(14,413)
Total Retail Wastewater	226,221	246,008	19,787
Total Operating Revenue	226,221	246,008	19,787
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	55,588	64,751	9,163
51102 LBR-OVERTIME	10,534	6,954	(3,580)
Total Salaries	66,122	71,705	5,583
Benefits			
51298 BEN-BENEFIT ALLOCATION	26,779	29,040	2,261
Total Benefits	26,779	29,040	2,261
Operating Supplies & Services			
52101 OPR-POWER & UTILITIES	10,000	10,000	-
52102 OPR-AUXILIARY POWER EXPENSE	2,000	2,000	-
52103 OPR-CHEMICALS	5,600	12,000	6,400
52110 OPR-SMALL TOOLS AND SUPPLIES	1,000	1,000	-
52113 OPR-LAB SUPPLIES	15,000	5,000	(10,000)
52114 OPR-LABORATORY SERVICES-GBRA	10,000	19,000	9,000
52118 OPR-DISPOSAL SERVICES	40,500	15,000	(25,500)
52120 OPR-UNIFORMS	200	-	(200)
52121 OPR-SAFTY & EMERGENCY EXPENSE	1,000	1,000	-
52122 OPR-SECURITY EXPENSE	100	-	(100)
52123 OPR-EQUIPMENT RENTAL	-	9,701	9,701
52125 OPR-VEHICLE EXPENSE	(9,000)	4,000	13,000
52133 OPR-SCADA	500	2,800	2,300

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
Total Operating Supplies & Services	76,900	81,501	4,601
Professional Services and Fees			
52205 OPR-PROFESSIONAL SERVICES-OTHER	25,000	-	(25,000)
52219 OPR-CUSTOMER BILLING FEES	-	20,000	20,000
52222 OPR-MEMBERSHIPS & PUBLICATIONS	200	500	300
52223 OPR-LICENSE & TRAINING	200	1,000	800
52224 OPR-TRAVEL	100	500	400
Total Professional Services and Fees	25,500	22,000	(3,500)
Office Expenses			
52301 OPR-OFFICE SUPPLIES	1,000	800	(200)
52302 OPR-COMPUTER SUPPLIES	1,100	1,100	-
52306 OPR-COMMUNICATIONS	1,000	1,500	500
Total Office Expenses	3,100	3,400	300
Other Operating Expenses			
52420 OPR-INSURANCE EXPENSE	1,000	2,500	1,500
52430 OPR-MISC EXPENSE	1,500	1,000	(500)
Total Other Operating Expenses	2,500	3,500	1,000
SUBTOTAL OF OPERATIONAL EXPENSES	200,901	211,146	10,245
Structures			
53205 M&R-PUMPS AND MOTORS	500	1,200	700
Total Structures	500	1,200	700
Other Maintenance & Repairs			
53325 M&R-GENERAL MAINTENANCE	3,000	10,000	7,000
Total Other Maintenance & Repairs	3,000	10,000	7,000
SUBTOTAL OF M&R EXPENSES	3,500	11,200	7,700
Administrative & General			
54100 ADMINISTRATIVE & GENERAL	21,820	23,662	1,842
Total Administrative & General	21,820	23,662	1,842
TOTAL OPERATING AND M&R EXPENSES	226,221	246,008	19,787
Net Operating Income	-	-	-
Net Change in Fund Balance	-	-	-



Wastewater Treatment Plant – on
the campus of Voss Middle School
(Boerne ISD)

Boerne ISD WWTTP

The Boerne Independent School District (ISD) wastewater treatment plant is located on the campus of Voss Middle School. The plant began operation in the summer of 2019 as construction was completed on the campus prior to its opening for the 2019-20 school year. The plant only collects and treats wastewater generated from the middle school.

The wastewater collection and treatment system will be operated and maintained by employees of the Western Canyon WTP division.

-
- Service Provided: Wastewater collection and treatment
 - Location: Boerne, TX
 - Startup Operation Date: Summer 2019
 - Capacity: 30,000 gallons per day
 - Budgeted Revenue: \$87,942

Western Canyon Division

Boerne ISD Voss Middle School Wastewater Treatment Facility

Operating Plan for Fiscal Year Ending 8/31/20

BACKGROUND

The following Work Plan and Budget is based on estimated costs to operate the membrane wastewater treatment plant for Boerne ISD at the Mark Tyler Voss Middle School. The permitted flow for the facility is 30,000 gallons per day (gpd) with a maximum estimated flow of 24,000 gpd when the school reaches capacity. Flow at initial startup is estimated at approximately one third of capacity for Fiscal Year 2020.

GBRA will assume operation of the Boerne ISD Voss Middle School Wastewater Treatment Facility upon completion of construction and plant start-up in August 2019. Three operators will divide their time between Voss, Cordillera Ranch, Johnson Ranch, 4S Ranch, Park Village and Singing Hills facilities. Additional assistance may be provided by Electrical/Instrumentation Technicians and other operators from the Western Canyon area. The Facility is supervised by the Chief Operator of the Western Canyon Wastewater Operations Division and managed by the Western Canyon Division Manager.

REVENUE SOURCES AND TRENDS

An operating agreement was signed with Boerne ISD in April 2019, which provides that GBRA will bill the District the actual cost of operating and maintaining the plant. As a result, revenue is matched to expenses and GBRA does not over-recover nor under-recover the cost of operating the plant. This work plan is based upon a 12-month FY 2020 budget year. Estimated annual cost of operations is \$87,942.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

The total operating expenditure budget for FY 2020 amounts to \$ 87,942.

In addition to personnel costs, other significant operating and maintenance expenses are chemicals at \$8,964, Lab Services at \$6,000 and disposal services at \$10,000. Utility expenses are paid directly by the school district. The agreement allows for the purchase of a portable lab/office and records storage building by GBRA with the expense billed back over the life of the contract. The estimated payment is \$4,300 annually. The asset will convey to Boerne ISD at end of contract.

The budget includes the standard administration and general percentage charged to all operating divisions of GBRA.

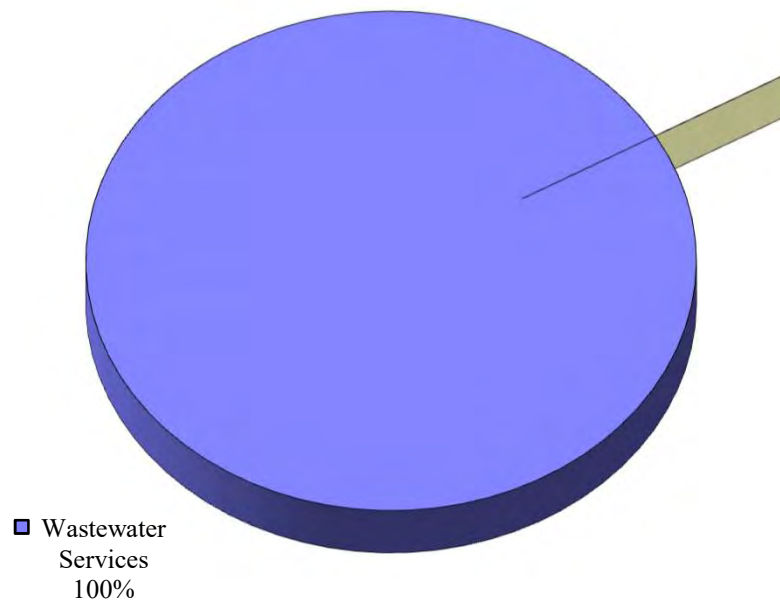
FUND BALANCE

Since this System represents a contract operation, in which GBRA does not over-recover nor under-recover its costs, the net change in fund balance for FY 2020 is \$0.



Budget Summary

REVENUES -Boerne ISD WWRS

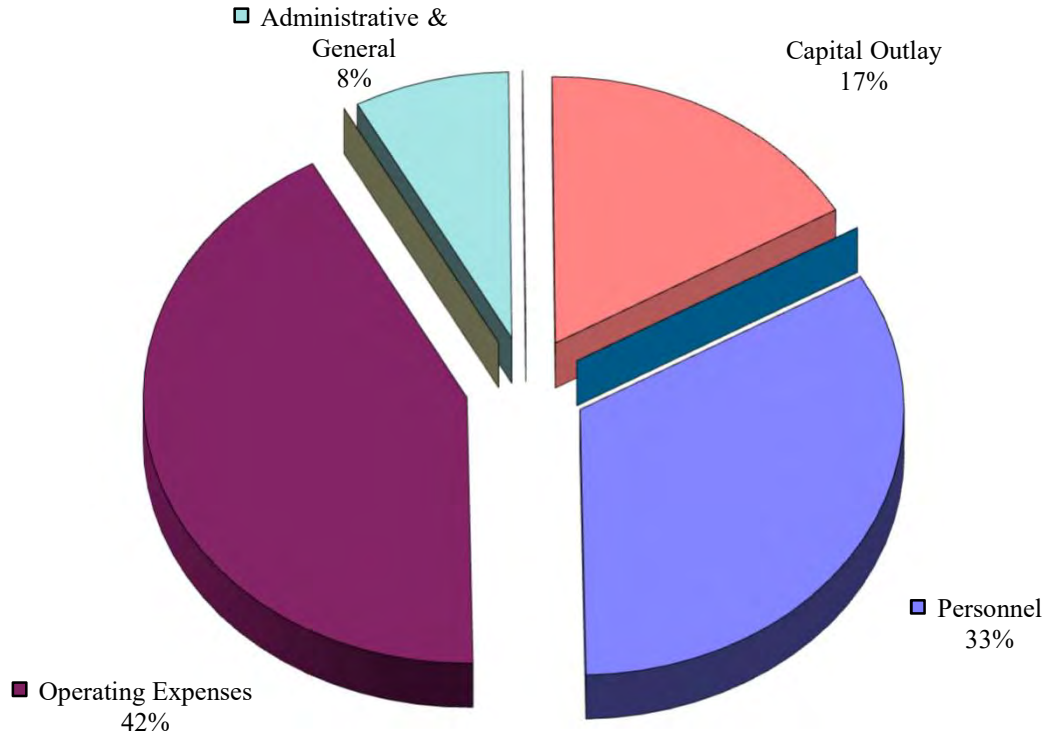


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services			87,942
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income			
Total Operating Revenue			87,942
Interest Income			
Grand Total Revenues	0	0	87,942



Budget Summary

EXPENSES - Boerne ISD WWRS



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel			29,054
Operating Expenses			37,264
Maintenance & Repairs			
Administrative & General			6,824
Total Operating Expenses			73,142
Interest Expense			
Capital Outlay			14,800
Debt Service			
Grand Total Expenses	0	0	87,942

Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020

059 - Boerne ISD

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET				
OPERATING REVENUES				
Wastewater Treatment				
41201	WW-OPR & MAINTENANCE	-	87,942	87,942
	Total Wastewater Treatment	-	87,942	87,942
	Total Operating Revenue	-	87,942	87,942
OPERATING EXPENSES				
Salaries				
51101	LBR-REGULAR WAGES	-	19,556	19,556
51102	LBR-OVERTIME	-	1,123	1,123
	Total Salaries	-	20,679	20,679
Benefits				
51298	BEN-BENEFIT ALLOCATION	-	8,375	8,375
	Total Benefits	-	8,375	8,375
Operating Supplies & Services				
52103	OPR-CHEMICALS	-	8,964	8,964
52110	OPR-SMALL TOOLS AND SUPPLIES	-	500	500
52113	OPR-LAB SUPPLIES	-	500	500
52114	OPR-LABORATORY SERVICES-GBRA	-	6,000	6,000
52118	OPR-DISPOSAL SERVICES	-	10,000	10,000
52120	OPR-UNIFORMS	-	250	250
52125	OPR-VEHICLE EXPENSE	-	4,000	4,000
52133	OPR-SCADA	-	1,000	1,000
	Total Operating Supplies & Services	-	31,214	31,214
Professional Services and Fees				
52205	OPR-PROFESSIONAL SERVICES-OTHER	-	1,500	1,500
52222	OPR-MEMBERSHIPS & PUBLICATIONS	-	50	50
52223	OPR-LICENSE & TRAINING	-	200	200
	Total Professional Services and Fees	-	1,750	1,750

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
	Office Expenses			
52301	OPR-OFFICE SUPPLIES	-	1,000	1,000
52302	OPR-COMPUTER SUPPLIES	-	1,500	1,500
52306	OPR-COMMUNICATIONS	-	800	800
	Total Office Expenses	-	3,300	3,300
	Other Operating Expenses			
52420	OPR-INSURANCE EXPENSE	-	1,000	1,000
	Total Other Operating Expenses	-	1,000	1,000
	SUBTOTAL OF OPERATIONAL EXPENSES	-	66,318	66,318
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	-	6,824	6,824
	Total Administrative & General	-	6,824	6,824
	Capital Expenses			
55001	CUSTOMER-OWNED CAPITAL EXPENSE	-	4,300	4,300
	Total Capital Expenses	-	4,300	4,300
	Capital Outlay			
13219	MISCELLANEOUS EQUIPMENT	-	10,500	10,500
	Total Capital Outlay	-	10,500	10,500
	TOTAL OPERATING AND M&R EXPENSES	-	87,942	87,942
	Net Operating Income	-	-	-
	Net Change in Fund Balance	-	-	-



Port Lavaca WTP

This division supplies the residents in Calhoun County with surface water from the Guadalupe River, treated to meet state and federal drinking water standards.

Raw water is diverted from the Guadalupe River near Tivoli by GBRA's Calhoun Canal System, using water rights permits issued to GBRA by the State of Texas. This water, treated at the Port Lavaca WTP, provides a reliable source of municipal drinking water to the City of Port Lavaca, the Calhoun County Rural Water Supply System (CCRWSS), and the Port O'Connor Improvement District (POC).

On-site water quality monitoring and testing is done to ensure that treated water meets all required standards for public water facilities. With a treatment capacity of 6 million gallons per day, the plant provides treated water for the domestic and business needs of approximately 24,000 people.

The division also provides the security of supplemental water supplies in times of low rainfall or drought. The City of Port Lavaca, as a Division customer, can access 4,480 acre-feet of water per year from "run of the river rights" and Canyon Reservoir conservation storage. The CCRWSS and POC also purchase water annually from Canyon Reservoir conservation storage to supplement their needs.

Investments in technology and equipment, including remote monitoring of the water delivery and storage system, ensure that plant operations are as efficient and cost-effective as possible.

In addition, division staff works with customers and the public to promote water resource education and sound conservation practices.

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- | | |
|---|---|
| • Service Provided: Water treatment | • Capacity: 6 MGD |
| • Location: Port Lavaca, TX | • # of Current Employees: 7 |
| • Startup Operation Date: 1970 | • Budgeted Operating Revenue: \$1,662,310 |
| • Principal Customer: City of Port Lavaca | • Expanded: 1993 |

Port Lavaca Water Treatment Plant Division Operating Plan for Fiscal Year Ending 8/31/20

BACKGROUND

The GBRA Port Lavaca Water Treatment Plant is a surface water treatment plant that supplies the City of Port Lavaca, the Calhoun County Rural Water Supply System, and the Port O'Connor Improvement District (POC ID) with treated drinking water for residential and commercial use. The City of Port Lavaca contracted with GBRA in 1968 for the delivery of treated drinking water, and the Plant was constructed and became operational in 1970. Shortly thereafter, the Calhoun County Rural Water System began receiving water. The Plant's capacity was expanded in 1992 to produce a "nameplate" peak capacity of 6.08 million gallons per day, to meet the structural requirements of the State of Texas and the stringent and ever evolving requirements of the federal Safe Drinking Water Act. In October 2000, the Port O'Connor Municipal Utility District (now POC ID) completed construction of a new water main to the Plant and became a 3rd contract customer.

The source raw water for the Plant is delivered from the Guadalupe River through GBRA's Water Supply and Calhoun Canal Systems. The City of Port Lavaca, the Rural Water System, and the POC ID also contracted with GBRA's Water Supply Division for source water from Canyon Reservoir, run-of-river water rights, and from other sources available to GBRA.

The original water supply contract of 1968 as subsequently amended at various times remained in effect until all of the original construction and corresponding indebtedness was paid in full in the year 2016. (Later contracts with the Calhoun County Rural Water System and the Port O'Connor Improvement District necessarily conform to this base contract's provisions for other customers.) In 2016, GBRA and the City of Port Lavaca entered into a new water supply contract that will continue the mutually beneficial relationship that provides a secure and economical source of high quality drinking water to the residents of the City of Port Lavaca and other areas of Calhoun County serviced by GBRA through at least the year 2035.

The Plant is managed by the Division Manager – Calhoun/Refugio Counties. Employees of the Division responsible for daily operating and maintenance activities include a Chief Operator, an Electrical/Instrumentation Technician, four shift Operators, and a Maintenance Chief. Several of these employees also work in the two other divisions of GBRA that are headquartered at GBRA's Port Lavaca office. Additional support is received from the Seguin office in the form of engineering and administrative functions.

This Work Plan and Budget describes the operations, maintenance and capital additions to be performed during the upcoming fiscal year. The objective is to provide a safe and dependable supply of treated water at reasonable cost and in compliance with all state and federal water quality standards. The clarity and pathogen reduction risk "log" measurement of the treated water produced by the Plant are significantly better than current federal standards and closely approach the ultimate objective of optimized treatment considered desirable by industry experts.

REVENUE SOURCES AND TRENDS

Each wholesale customer receiving a drinking water supply from the GBRA Port Lavaca Water Treatment Plant pays a pro-rata share of the total operating expenses of the Plant. The FY 2020 revenue is budgeted at \$1,662,310 which is a \$22,511 or 1.4% increase over the previous year.

Total treated water purchased by the City of Port Lavaca is again forecast at 510 million gallons per day. The Port O'Connor ID will purchase an estimated 93.05 million gallons of treated water. The Calhoun County Rural Water Supply System will purchase an estimated 89.24 million gallons of treated water, based on that Division's forecast of customer connections. The total treated water forecast by the Plant for all three wholesale customers therefore sums to 692.29 million gallons or an average of 1.897 million gallons per day. The raw source or feed water delivered to the Plant by the Calhoun Canal Division for all three customers for treatment to potable drinking quality will cost 19.5¢ per 1,000 gallons. Raw water received from the GBRA Canal Division for the three wholesale customers as metered at the Plant's intake will total an estimated 745.071 million gallons.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

Significant operating expenses for the upcoming Fiscal Year include \$112,080 for power and utilities. Alum, used as a coagulant, is budgeted at \$156,000. Potassium permanganate is used from time to time to control taste and odor and to further enhance palatability of the finished water. Also, fluoride will be purchased this year budgeted at \$8,000 and all filter media will be replaced in all filters budgeted at \$50,000. The total operating expenditure budget for FY 2020 amounts to \$1,662,310.

Employee training will continue in order to maintain technical competence and to enhance knowledge of pending rules and regulations pertaining to drinking water production and quality. Training will include courses to upgrade or maintain the required surface water treatment licenses issued by the State.

FUND BALANCE

The operating expenditures that are summarized in the following pages, will be provided by revenues from the City of Port Lavaca, the Calhoun County Rural Water Supply System, and the Port O'Connor ID. Port Lavaca Water Treatment Plant division is a contract operation therefore the net change in fund balance for FY 2020 is \$0.



Port Lavaca WTP	# of Authorized Positions (FTE)		
	2018	2019	2020
Chief Operator	1	1	1
Electrical/Instrumentation Technician	1	1	---
Secretary	1	1	1
Maintenance Chief	1	1	1
Operator	4	4	4
Total	8	8	7

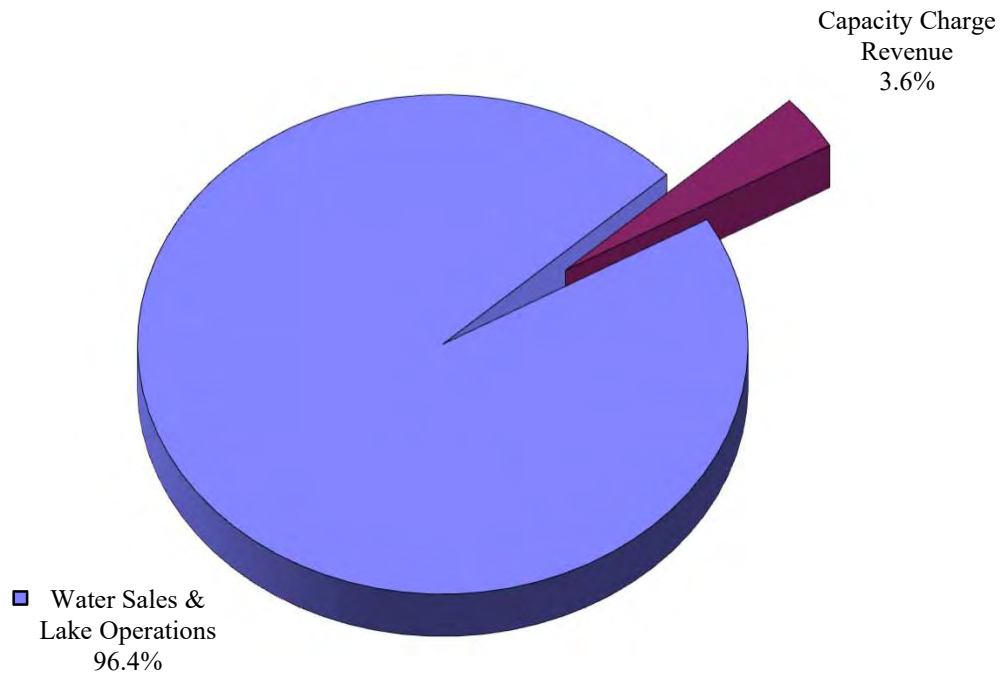
No staffing changes for this division.

1-Moved Electrical/Instrumentation Technician to the 041-Water Sales System.



Budget Summary

REVENUES - Port Lavaca WTP

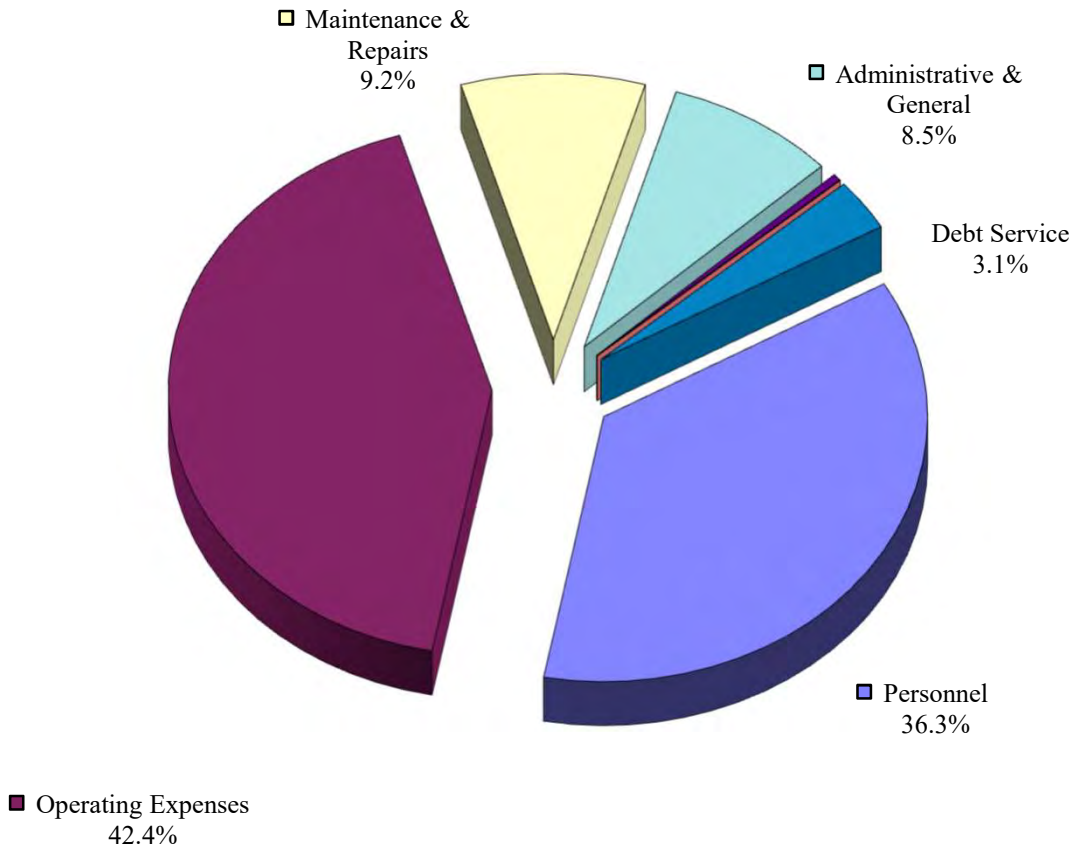


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations	1,651,130	1,639,799	1,662,310
Recreation & Land Use			
Wastewater Services			
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income			
Total Operating Revenue	1,651,130	1,639,799	1,662,310
Interest Income	78		
Capacity Charge Revenue	61,288	61,288	61,288
Grand Total Revenues	1,712,496	1,701,087	1,723,598



Budget Summary

EXPENSES - Port Lavaca WTP



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	569,340	692,311	625,725
Operating Expenses	711,235	689,772	730,998
Maintenance & Repairs	178,319	95,109	158,620
Administrative & General	130,949	162,607	146,967
Total Operating Expenses	1,589,843	1,639,799	1,662,310
Interest Expense	9,248	7,098	7,098
Capital Outlay	515,171		
Debt Service	52,040	54,190	54,190
Grand Total Expenses	2,166,302	1,701,087	1,723,598

Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020

060 - Port Lavaca WTP

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET			
OPERATING REVENUES			
Water Treatment			
41110 PL-RAW WATER DELIVERY	101,798	107,300	5,502
41111 PL-PLANT O&M INCOME	893,115	913,282	20,167
41112 PL-PLANT A&G INCOME	108,319	99,025	(9,294)
41115 POC-RAW WATER PURCHASES	18,592	18,390	(202)
41116 POC-PLANT O&M INCOME	284,246	258,803	(25,443)
41117 POC-PLANT A&G INCOME	34,624	29,970	(4,654)
41125 RW-RAW WATER PURCHASE	17,447	19,598	2,151
41126 RW-WATER TREATMENT	161,994	197,970	35,976
41127 RW-PLANT A&G INCOME	19,664	17,972	(1,692)
Total Water Treatment	1,639,799	1,662,310	22,511
Total Operating Revenue	1,639,799	1,662,310	22,511
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	455,363	408,359	(47,004)
51102 LBR-OVERTIME	37,385	36,997	(388)
Total Salaries	492,748	445,356	(47,392)
Benefits			
51298 BEN-BENEFIT ALLOCATION	199,563	180,369	(19,194)
Total Benefits	199,563	180,369	(19,194)
Operating Supplies & Services			
52101 OPR-POWER & UTILITIES	112,080	112,080	-
52103 OPR-CHEMICALS	226,775	239,300	12,525
52110 OPR-SMALL TOOLS AND SUPPLIES	960	960	-
52113 OPR-LAB SUPPLIES	30,300	25,000	(5,300)
52114 OPR-LABORATORY SERVICES-GBRA	1,200	1,200	-
52115 OPR-LABORATORY SERVICES-OUTSOURCED	3,500	3,500	-
52120 OPR-UNIFORMS	4,300	4,300	-

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
52121	OPR-SAFETY & EMERGENCY EXPENSE	4,000	4,000	-
52122	OPR-SECURITY EXPENSE	2,760	2,760	-
52124	OPR-EQUIPMENT EXPENSE	5,764	5,764	-
52125	OPR-VEHICLE EXPENSE	5,340	5,340	-
52126	OPR-FLEET LEASE EXPENSE	5,400	9,600	4,200
52133	OPR-SCADA	-	1,550	1,550
52135	OPR-PROCESS/SPECIAL OPERATING	1,440	1,440	-
52145	OPR-CONTRACT LABOR	25,000	27,500	2,500
52150	OPR-WATER PURCHASES/DELIVERY	137,837	145,288	7,451
	Total Operating Supplies & Services	566,656	589,582	22,926
	Professional Services and Fees			
52205	OPR-PROFESSIONAL SERVICES-OTHER	6,000	6,000	-
52217	OPR-INSPECTION FEES	360	360	-
52222	OPR-MEMBERSHIPS & PUBLICATIONS	1,080	1,080	-
52223	OPR-LICENSE & TRAINING	4,496	4,496	-
52224	OPR-TRAVEL	4,000	4,000	-
	Total Professional Services and Fees	15,936	15,936	-
	Office Expenses			
52301	OPR-OFFICE SUPPLIES	4,600	4,600	-
52302	OPR-COMPUTER SUPPLIES	7,150	6,150	(1,000)
52306	OPR-COMMUNICATIONS	3,900	6,000	2,100
52322	OPR-MEDIA EXPENSE	1,068	1,068	-
	Total Office Expenses	16,718	17,818	1,100
	Other Operating Expenses			
52403	OPR-BUILDING RENTAL	2,112	2,112	-
52420	OPR-INSURANCE EXPENSE	78,800	96,000	17,200
52430	OPR-MISC EXPENSE	9,550	9,550	-
	Total Other Operating Expenses	90,462	107,662	17,200
	SUBTOTAL OF OPERATIONAL EXPENSES	1,382,083	1,356,723	(25,360)
	Maintenance and Repair Equipment			
53101	M&R-EQUIPMENT	35,236	45,236	10,000
53105	M&R-GENERATORS	3,780	6,000	2,220
53110	M&R-CONTROL SYSTEMS	6,480	6,480	-
53115	M&R-METERS	2,160	2,160	-
	Total Maintenance and Repair Equipment	47,656	59,876	12,220
	Structures			
53201	M&R-BUILDING	14,700	14,700	-
53202	M&R-CLEARWELLS	1,800	1,800	-
53205	M&R-PUMPS AND MOTORS	13,680	13,680	-

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
53210	M&R-GATES AND VALVES	2,820	2,820	-
53238	M&R-FILTERS	5,964	55,964	50,000
	Total Structures	38,964	88,964	50,000
	Other Maintenance & Repairs			
53301	M&R-ROADS	-	100	100
53310	M&R-GROUNDS	-	1,200	1,200
53320	M&R-PONDS AND LAGOONS	5,009	5,000	(9)
53399	M&R-MISC EXPENSE	3,480	3,480	-
	Total Other Maintenance & Repairs	8,489	9,780	1,291
	SUBTOTAL OF M&R EXPENSES	95,109	158,620	63,511
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	162,607	146,967	(15,640)
	Total Administrative & General	162,607	146,967	(15,640)
	TOTAL OPERATING AND M&R EXPENSES	1,639,799	1,662,310	22,511
	Net Operating Income	-	-	-

DEBT SERVICE BUDGET

	Capacity Charge Revenue			
41119	POC-DEBT SERVICE	35,081	35,081	-
41129	RW-DEBT SERVICE	26,207	26,207	-
	Total Capacity Charge Revenue	61,288	61,288	-
	Total Debt Revenue	61,288	61,288	-
	Principal Payments Expense			
21105	LOAN-2008 CLEARWELL, Frost	54,190	54,190	-
	Total Principal Payments Expense	54,190	54,190	-
	Interest Expense			
57102	INT-CLEARWELL, Frost	7,098	7,098	-
	Total Interest Expense	7,098	7,098	-
	Total Debt Expense	61,288	61,288	-
	Net Change in Debt Service Budget	-	-	-
	Net Change in Fund Balance	-	-	-



Sewer tap installation at Crestview

Rural Water

The system purchases treated water from the GBRA Port Lavaca Water Treatment Plant and provides retail water service to residents of rural areas in Calhoun County. This division operates approximately 75 miles of pipeline for the delivery and distribution of potable drinking water, plus storage and pumping facilities. The primary areas of operation are the communities of Alamo Beach, Indianola, and Magnolia Beach in the south-central area of the county, and the Six Mile community in the county's northwestern area. Limited fire protection is provided by the presence of fire-water hydrants in select areas that are available for the use by area fire departments. All treated water meets federal and state water quality standards. In February 1999, GBRA Rural Water System began operating the Crestview wastewater plant and collection system. This collection system services a small rural subdivision.

Established in 1970 by a rural citizens group working in conjunction with GBRA, the Calhoun County Rural Water Supply Corporation evolved to meet the needs of rural residents for an adequate supply of high quality drinking water. Its development followed closely on the heels of the initial drinking water contract that GBRA wrote with the City of Port Lavaca, which allowed the construction of the GBRA Port Lavaca Water Treatment Plant in 1968-1970. A charter membership was established, and the Corporation contracted with the Calhoun County Rural Water Supply System, an operating division of GBRA, for construction and operation of the necessary facilities. The initial construction was financed by the Farmers Home Administration. All of the rural water infrastructure and related assets are the property of GBRA. The Corporation's Board of Directors works closely with the GBRA's staff and the GBRA Board of Directors to execute the ongoing mission of service to rural residents.

Customer services include water loss monitoring, leak detection and repair, water conservation education, and water quality information and testing. It also assists local governments with planning, design, acquisitions, and grant applications to help expand the system and customer base.

- | | |
|---|--|
| <ul style="list-style-type: none">• Service Provided: Water distribution• Location: Port Lavaca, TX• Startup Operation Date: April 2, 1973• Service Area: Calhoun County, TX | <ul style="list-style-type: none">• Budgeted Water Distributed: 77,639,000• # of Current Employees: 5• Budgeted Revenue: \$1,651,826 |
|---|--|

Calhoun County Rural Water Supply Division

Operating Plan for Fiscal Year Ending 8/31/20

BACKGROUND

This Work Plan and Budget describes the operations, maintenance and capital additions to be accomplished by the GBRA Calhoun County Rural Water Supply Division during FY 2020. The objectives are to operate and maintain the Rural Water Division to meet the water demand of customers with minimal service interruptions and to provide a safe supply of drinking water that meets or is better than all state and federal water quality standards. The Division is also responsible for the operation of a small wastewater collection and treatment system located in the Crestview subdivision.

The Division is managed by the Division Manager of Calhoun/Refugio Counties. The Division is operated and maintained by a Chief Operator, three Maintenance Operators, and an Assistant Secretary.

REVENUE SOURCES AND TRENDS

The Rural Water Division receives revenue from three principal sources. The largest of the three sources represents retail sales for water provided to the Division's customers. The FY 2020 water sales revenue budget is estimated at \$1,515,026 based on the 1,510 customers receiving a total retail volume of treated water at their meters of 77.639 MG. This is a reduction in the volume of water estimated to be delivered in earlier years and is due to the customer's response to the periodic drought conditions that exist.

A conservation block rate was implemented during FY 2017 to help curtail excessive use of water that occurs in some limited cases. The monthly water rates that the Division charges for meters of all sizes will be based on the minimum charge of \$63.00 for the standard residential meter, with larger sizes utilizing multiples of this minimum amount. For the standard 5/8-inch residential meter, by far the most common unit in the system, the rates for FY 2020 are as follows:

Monthly Minimum	\$63.00 for 2,000 gallons
Over 2,000 gallons to 5000 gallons	\$6.05 per 1,000 gallons
Over 5001 gallons to 15,000 gallons	\$8.05 per 1,000 gallons
Over 15,001 gallons to 35,000 gallons	\$12.05 per 1,000 gallons
Over 35,000 gallons	\$14.05 per 1,000 gallons

A second significant source of revenue is the combined membership and tap fees paid by new customers. The standard tap fee for a residential meter is based on estimated meter installation costs, including a maximum of 200 feet of additional distribution pipeline. The standard tap fee will remain at \$1,000 and the membership fee will remain at \$1,200 for FY 2020. The addition of 24 new connections is for the system during FY 2020 to provide fee revenue of \$52,800.

GBRA's Rural Water System began operating the Crestview wastewater plant and collection system in February 1999. This small plant provides a third source of revenue for the Division. The revenue from the Crestview System is projected at \$59,000 for FY 2020 based on a monthly rate of \$75/connection. Total wastewater treated at the Crestview plant is 2.30MG.

CAPITAL ADDITIONS AND OPERATING EXPEDITURES

Significant operating expenses for the upcoming Fiscal Year include \$8,500 for truck operating expenses, \$31,250 for office expenses, \$9,550 for right-of-way rentals, and \$41,634 for operation of the Crestview wastewater system.

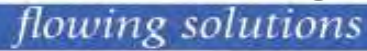
The most significant maintenance items are water lines, meters, and meter boxes at an estimated cost of \$86,760 for materials and services. A significant capital expenditure of \$265,000 for meter replacements is also included in this budget.

Interdivision water purchases for FY 2020 are budgeted at \$288,597. This amount is a sum of the charges for raw water paid to the GBRA Water Resources Division as well as Rural Water's share of the Port Lavaca Water Treatment Plant's total cost of operation.

To serve customers north of the water treatment plant, the Division uses water lines owned and maintained by the City of Port Lavaca. The City charges the Division \$1.00 per 1,000 gallons for this service for a total estimated cost of \$45,000 for FY 2020.

FUND BALANCE

Funding of capital additions and operating expenditures as summarized in the following pages is normally provided by revenues from retail customer billings, as well as tap and membership fees. The fund balance after accounting for all budgeted sources of funds from customers and all uses of those funds for FY 2020 will be \$98,077.



Rural Water Distribution	# of Authorized Positions (FTE)		
	2018	2019	2020
Chief Operator	1	1	1
Maintenance Operator	3	3	3
Customer Service Assistant	1	1	1
Total	5	5	5

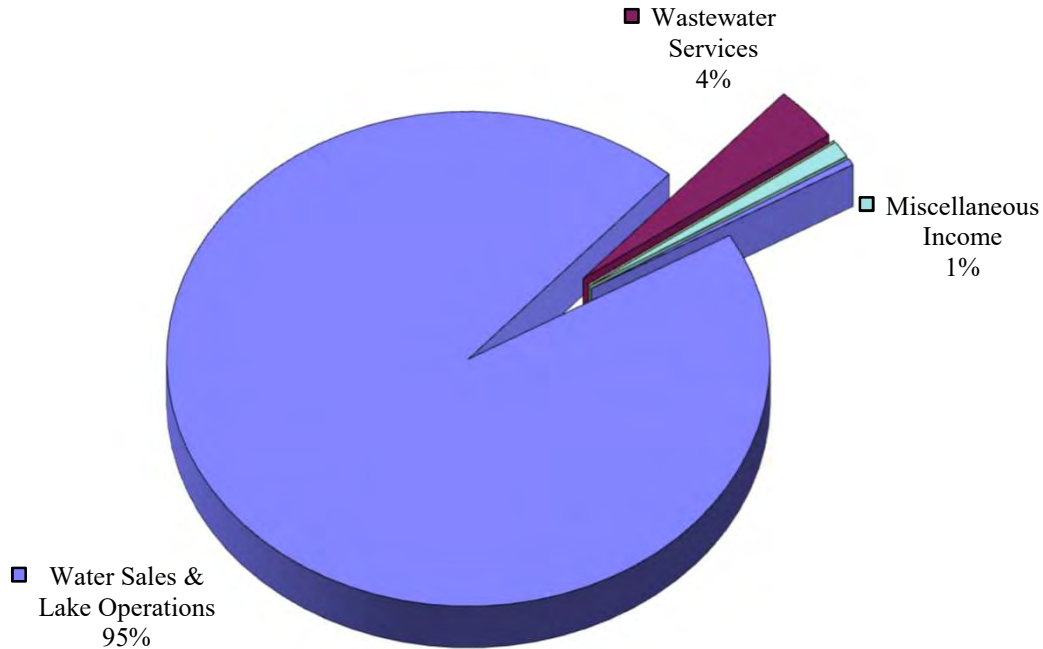
Changes from FY 2018 to FY 2019
No staffing changes for this division.

Changes from FY 2019 to FY 2020
No staffing changes for this division.



Budget Summary

REVENUES - Rural Water

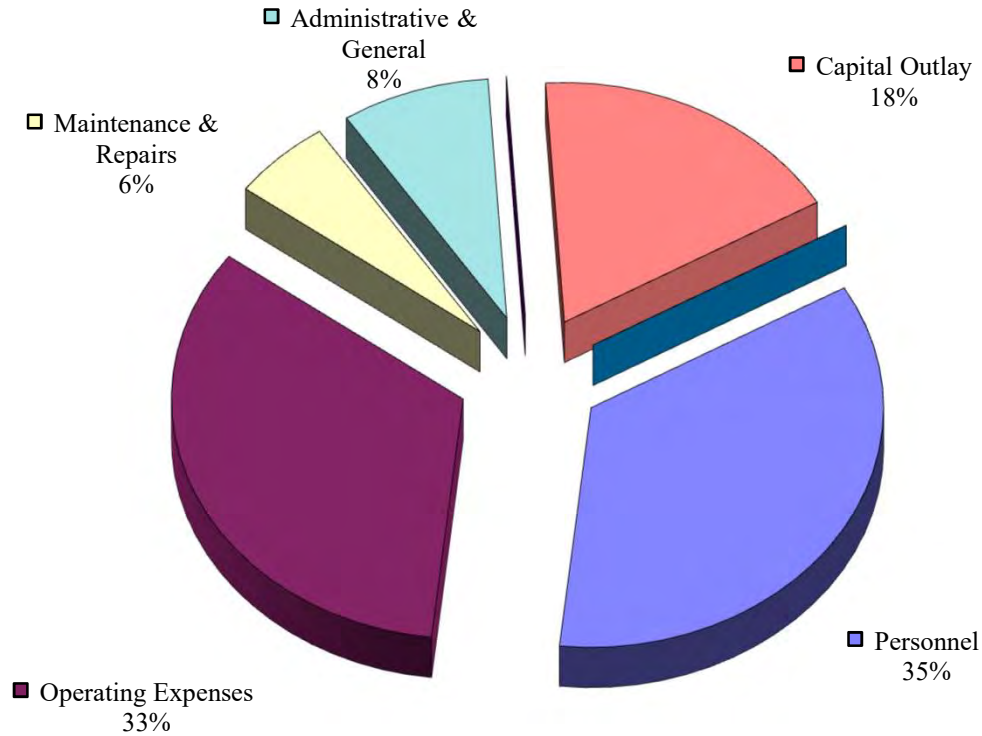


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations	1,176,293	1,527,587	1,567,826
Recreation & Land Use			
Wastewater Services	55,278	59,000	59,000
Laboratory Services			
Rentals			
Administrative & General	6,463		
Miscellaneous Income	27,599	18,000	18,000
Total Operating Revenue	1,265,633	1,604,587	1,644,826
Interest Income	6,463	4,500	7,000
Grand Total Revenues	1,272,096	1,609,087	1,651,826



Budget Summary

EXPENSES - Rural Water



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	475,042	516,152	544,832
Operating Expenses	545,241	433,529	519,189
Maintenance & Repairs	49,338	335,860	86,760
Administrative & General	111,113	121,231	127,968
Total Operating Expenses	1,180,734	1,406,772	1,278,749
Interest Expense			
Capital Outlay	174,590	200,000	275,000
Debt Service			
Grand Total Expenses	1,355,324	1,606,772	1,553,749

Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020

070 - Rural Water

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET				
OPERATING REVENUES				
Retail Water Sales				
42301	WATER SALES	1,474,787	1,515,026	40,239
42310	WATER CONNECTION FEES	24,000	24,000	-
42320	WATER MEMBERSHIP FEES	28,800	28,800	-
	Total Retail Water Sales	1,527,587	1,567,826	40,239
Retail Wastewater				
42401	WASTEWATER SERVICES	54,000	54,000	-
42402	SEWER CONNECTION/INSP FEES	5,000	5,000	-
	Total Retail Wastewater	59,000	59,000	-
Operating Interest				
44110	INT-OPR INVESTMENT FUNDS	4,500	7,000	2,500
	Total Operating Interest	4,500	7,000	2,500
Misc Income				
45195	MISCELLANEOUS REVENUES	18,000	18,000	-
	Total Misc Income	18,000	18,000	-
	Total Operating Revenue	1,609,087	1,651,826	42,739
OPERATING EXPENSES				
Salaries				
51101	LBR-REGULAR WAGES	339,440	368,291	28,851
51102	LBR-OVERTIME	27,928	19,490	(8,438)
	Total Salaries	367,368	387,781	20,413
Benefits				
51298	BEN-BENEFIT ALLOCATION	148,784	157,051	8,267
	Total Benefits	148,784	157,051	8,267
Operating Supplies & Services				

		FY 2019	FY 2020	FY 2020-2019
		BUDGET	BUDGET	DIFFERENCE
52101	OPR-POWER & UTILITIES	11,340	15,660	4,320
52103	OPR-CHEMICALS	2,445	2,800	355
52110	OPR-SMALL TOOLS AND SUPPLIES	3,000	3,200	200
52113	OPR-LAB SUPPLIES	715	4,200	3,485
52114	OPR-LABORATORY SERVICES-GBRA	4,685	1,200	(3,485)
52115	OPR-LABORATORY SERVICES-OUTSOURCED	6,685	7,000	315
52118	OPR-DISPOSAL SERVICES	9,600	9,750	150
52120	OPR-UNIFORMS	3,600	3,600	-
52121	OPR-SAFETY & EMERGENCY EXPENSE	2,400	2,400	-
52122	OPR-SECURITY EXPENSE	2,760	2,760	-
52124	OPR-EQUIPMENT EXPENSE	5,400	5,400	-
52125	OPR-VEHICLE EXPENSE	8,500	8,500	-
52133	OPR-SCADA	-	1,550	1,550
52135	OPR-PROCESS/SPECIAL OPERATING	-	1,000	1,000
52145	OPR-CONTRACT LABOR	1,200	1,200	-
52150	OPR-WATER PURCHASES/DELIVERY	235,257	288,597	53,340
52155	OPR-TRANSMISSION CHARGES	45,000	45,000	-
	Total Operating Supplies & Services	342,587	403,817	61,230
	Professional Services and Fees			
52201	OPR-PROFESSIONAL SERVICES-ENGINEERING	15,000	20,000	5,000
52205	OPR-PROFESSIONAL SERVICES-OTHER	-	15,000	15,000
52216	OPR-REGULATORY FEES	1,250	1,600	350
52218	OPR-ACCREDITATION FEES	3,600	3,800	200
52220	OPR-BANK FEES	1,200	1,200	-
52222	OPR-MEMBERSHIPS & PUBLICATIONS	1,200	1,200	-
52223	OPR-LICENSE & TRAINING	4,800	4,800	-
52224	OPR-TRAVEL	2,400	2,400	-
	Total Professional Services and Fees	29,450	50,000	20,550
	Office Expenses			
52301	OPR-OFFICE SUPPLIES	12,000	12,000	-
52302	OPR-COMPUTER SUPPLIES	9,150	8,150	(1,000)
52305	OPR-POSTAGE AND FREIGHT EXPENSE	-	3,500	3,500
52306	OPR-COMMUNICATIONS	4,000	4,000	-
52322	OPR-MEDIA EXPENSE	3,600	3,600	-
	Total Office Expenses	28,750	31,250	2,500
	Other Operating Expenses			
52403	OPR-BUILDING RENTAL	4,272	4,272	-
52404	OPR-RIGHT OF WAY	9,270	9,550	280
52420	OPR-INSURANCE EXPENSE	16,400	17,500	1,100
52430	OPR-MISC EXPENSE	2,800	2,800	-
	Total Other Operating Expenses	32,742	34,122	1,380

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
SUBTOTAL OF OPERATIONAL EXPENSES	949,681	1,064,021	114,340
Maintenance and Repair Equipment			
53101 M&R-EQUIPMENT	7,200	7,200	-
53115 M&R-METERS	296,800	21,800	(275,000)
Total Maintenance and Repair Equipment	304,000	29,000	(275,000)
Structures			
53201 M&R-BUILDING	4,400	4,400	-
53205 M&R-PUMPS AND MOTORS	3,000	3,000	-
53216 M&R-PUMPSTATIONS	4,800	13,600	8,800
53235 M&R-TRANSMISSION LINES	12,000	24,000	12,000
Total Structures	24,200	45,000	20,800
Other Maintenance & Repairs			
53301 M&R-ROADS	-	100	100
53310 M&R-GROUNDS	-	260	260
53325 M&R-GENERAL MAINTENANCE	260	-	(260)
53399 M&R-MISC EXPENSE	7,400	12,400	5,000
Total Other Maintenance & Repairs	7,660	12,760	5,100
SUBTOTAL OF M&R EXPENSES	335,860	86,760	(249,100)
Administrative & General			
54100 ADMINISTRATIVE & GENERAL	121,231	127,968	6,737
Total Administrative & General	121,231	127,968	6,737
Capital Outlay			
13217 AUTO & HEAVY EQUIPMENT	-	10,000	10,000
Total Capital Outlay	-	10,000	10,000
Transfers			
61505 TRANSFERS-DESIGNATED PROJECT FUND	225,000	265,000	40,000
61515 TRANSFERS-RESERVE FUND	(25,000)	-	25,000
Total Transfers	200,000	265,000	65,000
TOTAL OPERATING AND M&R EXPENSES	1,606,772	1,553,749	(53,023)
Net Operating Income	2,315	98,077	95,762
Net Change in Fund Balance	2,315	98,077	95,762

Rural Water - Capital Outlay Expense

Description	FY 2020
-------------	---------

Capital Outlay Funded From Current Revenues

Replacement Zero Turn Mower	\$	10,000
Total Rural Water Capital Outlay Expense	\$	10,000

Rural Water - Designated Project Fund

Project Description	FY 2020
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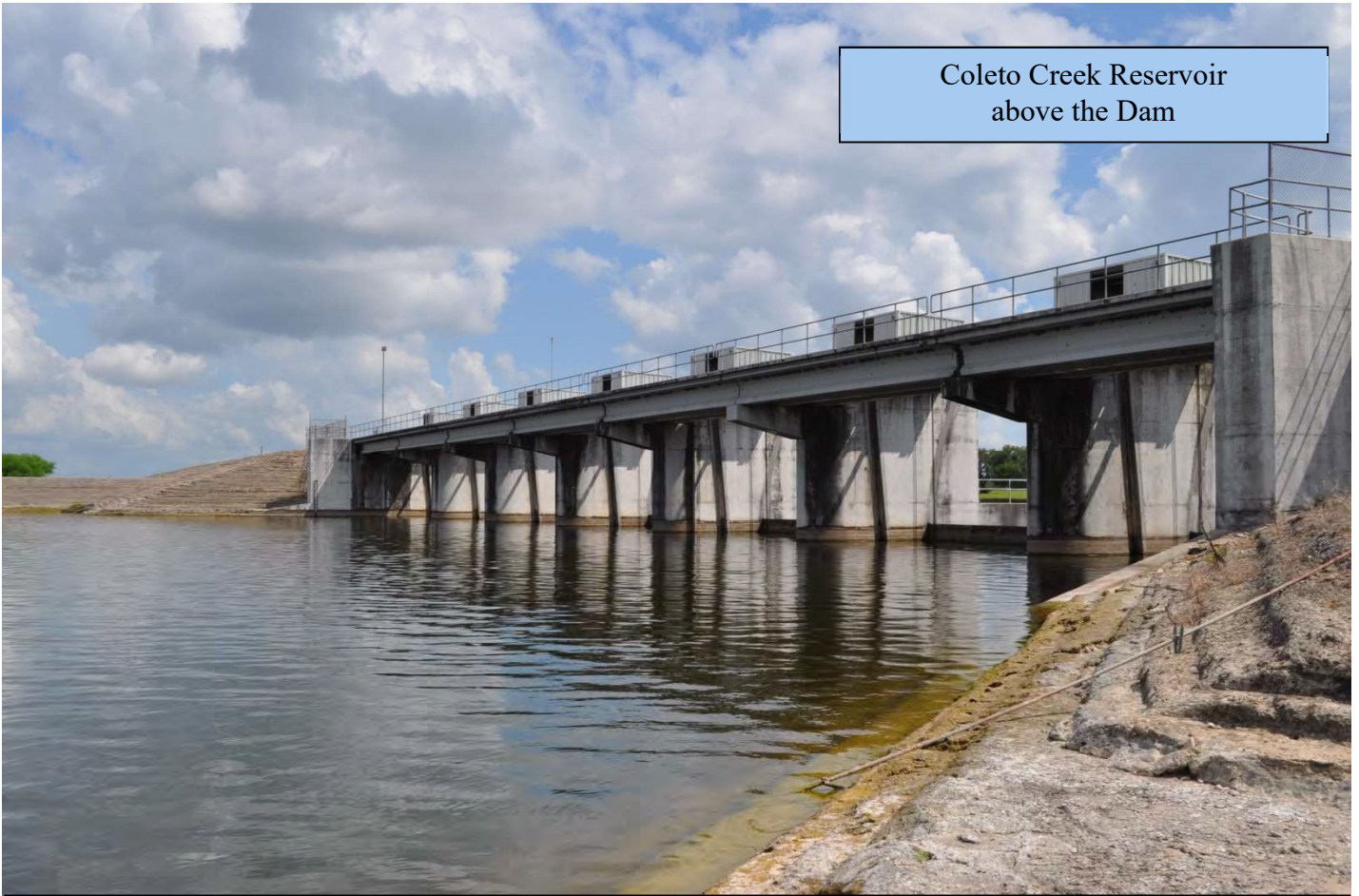
Projects Funded From Current Revenues

CCRWS Distribution & Meter System Improvements	265,000
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Total Rural Water Designated Project Fund	\$ 265,000
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Note: See Financial Summary section for total project information

Coleto Creek Reservoir
above the Dam



Coleto Creek Reservoir

The Coleto Creek Park and Reservoir, located midway between Victoria and Goliad, is a joint project between Dynegy and the GBRA. At normal pool elevation it covers 3,100 surface acres with 61 miles of shoreline. The main purpose of the reservoir is to serve as a cooling pond for the Coleto Creek Power coal fired power plant. The reservoir is fed through four major creeks from a 507 square mile drainage basin. The average depth is eleven feet and the reservoir is maintained at a constant level except during drought conditions.

The reservoir system is monitored for shoreline pollution, and division staff educates the public on prevention techniques. The division also participates in an aquatic plant management program to control noxious aquatic vegetation.

-
- | | |
|---------------------------------------|-------------------------------|
| • Service Provided: Cooling reservoir | • Capacity: 35,084 acre feet |
| • Location: Fannin, TX | • # of Current Employees: 6 |
| • Startup Operation Date: 1981 | • Budgeted Revenue: \$959,705 |
| • Customer: Vistra Energy | |

Coledo Creek Division

Coledo Creek Reservoir System

Operating Plan for Fiscal Year Ending 8/31/20

BACKGROUND

The Coledo Creek Division is comprised of two operating systems, the Reservoir System and the Recreation System. The Reservoir System is responsible for the operation and maintenance of the Coledo Creek Reservoir under a previous contractual agreement between the Guadalupe-Blanco River Authority and Central Power & Light Company. The primary purpose of the reservoir is to dissipate waste heat generated during the production of electricity at the Coledo Creek Power Station, a coal-fired steam electric generating plant. The reservoir also provides water for cooling the power station's condensers and supplying other plant needs.

Vistra Energy, an integrated power company based in Irving, Texas completed the purchase of Dynegy in March 2018. The power plant will continue to operate under the existing company name of Coledo Creek Power, L.P.

The following reservoir system work plan and budget describes the operations, maintenance, and capital additions to be performed during Fiscal Year 2020. The objectives of the work plan are to operate and maintain all reservoir-related facilities, to maintain an adequate supply of water of sufficient quality to meet power station requirements, insure compliance with all state and federal water quality requirements, and maintain an ongoing flood release and dam safety program to better assure the protection of the general public and property owners downstream of the reservoir. Consistent with these objectives, employee training will be conducted to enhance current operations and increase technical competence.

The Reservoir System is responsible for the operation and maintenance of the main dam and spillway, two baffle dikes, discharge flume, pump station and pipeline, and the Reservoir's monitoring system.

The Reservoir System will be supervised by the Reservoir Manager and operated by an Electrician, and three full-time Maintenance Crewmen. In addition, Rangers assigned to the Recreation System will assist with regular reservoir operations. Clerical duties will be performed by an Office Manager assigned to the Reservoir System and one Administrative Assistant assigned to the Recreation System.

REVENUE SOURCES AND TRENDS

In 1975, Central Power and Light Company (CP&L) contracted with GBRA for the construction and operation of a 3,100 surface-acre cooling reservoir. This contractual arrangement provides that GBRA does not over-recover nor under-recover the costs of operating the reservoir.

The budget is based on the same reservoir-operating philosophy that has existed in the past. The only differences that exist from year to year are non-recurring maintenance projects and the need to operate river diversion pumps during drought conditions. These differences, when they occur, affect the revenue of the Coledo Creek Reservoir System since the Coledo Creek Power Station agrees to reimburse GBRA for all costs of operation.

The total revenue budgeted to be received next year is \$959,705 compared to budgeted revenue of \$950,064 for FY2019. This \$9,641 increase reflects the increase in budgeted operating costs described below.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

Significant operating expenses for the ensuing Fiscal Year include \$19,620 for stream gaging expenses. These costs are associated with the cooperative agreement with the United States Geological Survey, which provides five streamflow and lake level monitoring sites on the reservoir. Additionally, \$12,000 is budgeted for pump station power pertaining to the operation of the Guadalupe River diversion pump station. The pumps supply makeup water from the Guadalupe River to the reservoir via a five-mile long pipeline during drought conditions. A total of \$22,500 is budgeted under professional fees including \$12,000 to contract for the redesign of the outlet works of the Main Spillway wing-wall drains and \$9,000 for recommendations on the review of monthly piezometer data.

Significant maintenance and repair expenses for the ensuing fiscal year include \$7,140 for the installation of stop logs in front of main spillway spillgate #2 for purposes of inspecting the skin plate, cathodic protection system, and replacement of hoist connecting U-bolts. Another significant expense is \$4,260 for inspection and service of the Main Spillway Sluice Gate.

The total operating expenditures budgeted are \$959,705.

FUND BALANCE

Funds for the above listed capital additions and operating expenditures as well as all of the other operating expenditures that are summarized in the following pages will be provided from revenues from the Coleta Creek Power Station. Since this division represents a contract operation in which GBRA does not over-recover nor under-recover its costs, the net change in fund balance for FY 2020 amounts to \$0.



Staffing Summary

Coletto Creek Reservoir	# of Authorized Positions (FTE)		
	2018	2019	2020
Reservoir Manager	1	1	1
Electrical/Instrumentation Technician	1	1	1
Office Manager	1	1	1
Maintenance Crew	3	3	3
Total	6	6	6

Changes from FY 2018 to FY 2019

No staffing changes for this division.

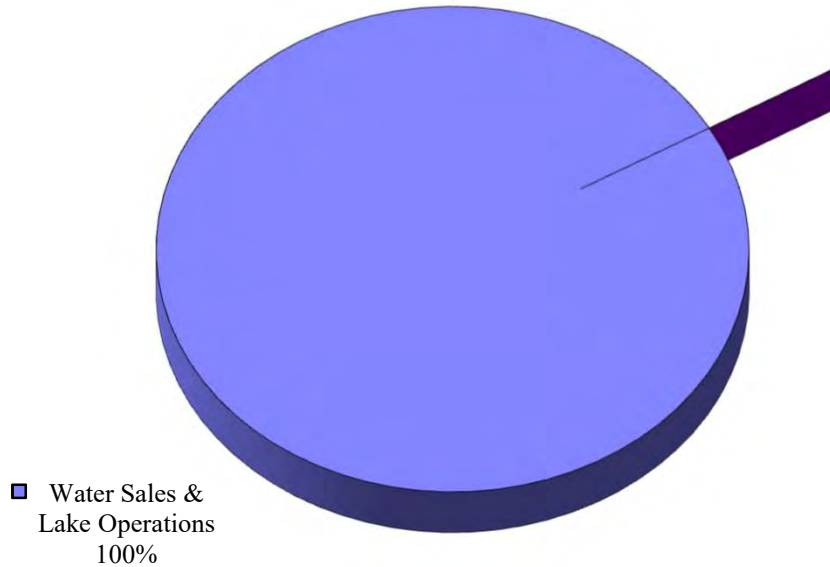
Changes from FY 2019 to FY 2020

No staffing changes for this division.



Budget Summary

REVENUES - Coleta Creek Reservoir

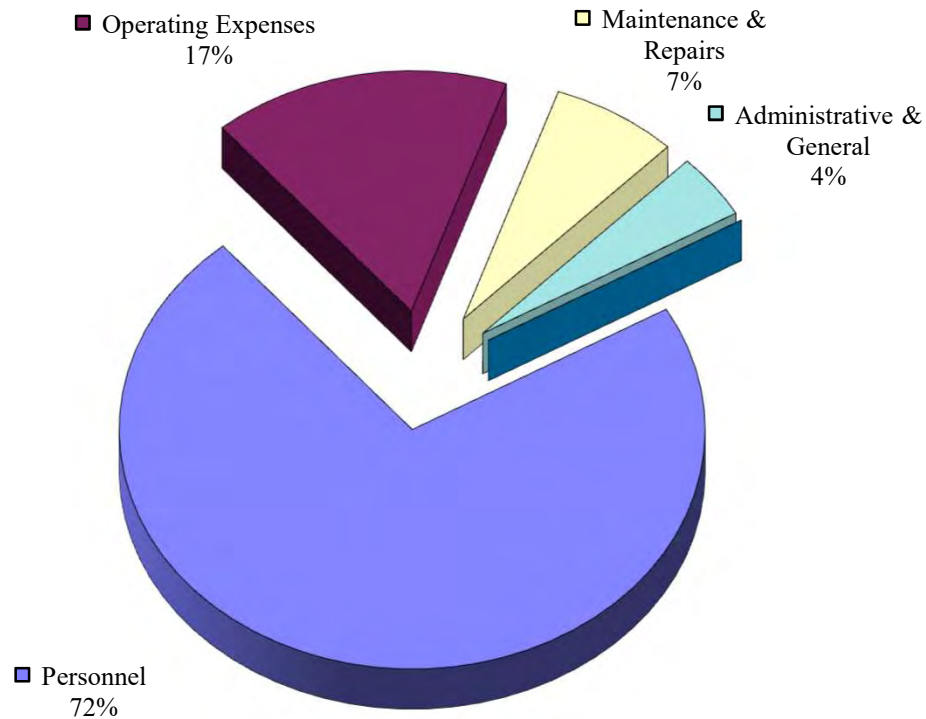


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations	882,618	950,064	959,705
Recreation & Land Use			
Wastewater Services			
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income			
Total Operating Revenues	882,618	950,064	959,705
Interest Income	342		
Grand Total Revenues	882,960	950,064	959,705



Budget Summary

EXPENSES - Coletto Creek Reservoir



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	585,587	643,262	692,433
Operating Expenses	191,362	153,788	157,844
Maintenance & Repairs	60,961	69,712	67,432
Administrative & General	42,329	27,310	41,996
Total Operating Expenses	880,239	894,072	959,705
Interest Expense			
Capital Outlay	2,380	55,992	
Debt Service			
Grand Total Expenses	882,619	950,064	959,705

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020**

091 - Coleta Creek Reservoir

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET			
OPERATING REVENUES			
Industrial			
41401 COLETO CREEK POWER-O&M EXP	922,754	917,709	(5,045)
41402 COLETO CREEK POWER-A&G EXP	27,310	41,996	14,686
Total Industrial	950,064	959,705	9,641
Total Operating Revenue	950,064	959,705	9,641
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	444,461	478,848	34,387
51102 LBR-OVERTIME	13,377	13,987	610
Total Salaries	457,838	492,835	34,997
Benefits			
51298 BEN-BENEFIT ALLOCATION	185,424	199,598	14,174
Total Benefits	185,424	199,598	14,174
Operating Supplies & Services			
52101 OPR-POWER & UTILITIES	7,116	7,116	-
52102 OPR-AUXILIARY POWER EXPENSE	12,000	12,000	-
52110 OPR-SMALL TOOLS AND SUPPLIES	3,876	3,876	-
52113 OPR-LAB SUPPLIES	408	-	(408)
52114 OPR-LABORATORY SERVICES-GBRA	-	480	480
52115 OPR-LABORATORY SERVICES-OUTSOURCED	-	240	240
52118 OPR-DISPOSAL SERVICES	1,800	2,400	600
52120 OPR-UNIFORMS	4,656	4,656	-
52121 OPR-SAFETY & EMERGENCY EXPENSE	13,548	13,548	-
52122 OPR-SECURITY EXPENSE	2,400	2,400	-
52124 OPR-EQUIPMENT EXPENSE	5,064	5,064	-
52125 OPR-VEHICLE EXPENSE	22,236	19,880	(2,356)
Total Operating Supplies & Services	73,104	71,660	(1,444)

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
Professional Services and Fees			
52201 OPR-PROFESSIONAL SERVICES-ENGINEERING	-	22,500	22,500
52205 OPR-PROFESSIONAL SERVICES-OTHER	15,156	-	(15,156)
52211 OPR-USGS MONITORING	18,864	19,620	756
52222 OPR-MEMBERSHIPS & PUBLICATIONS	1,668	1,668	-
52223 OPR-LICENSE & TRAINING	3,048	3,048	-
52224 OPR-TRAVEL	3,624	3,624	-
Total Professional Services and Fees	42,360	50,460	8,100
Office Expenses			
52301 OPR-OFFICE SUPPLIES	4,896	4,896	-
52302 OPR-COMPUTER SUPPLIES	9,000	9,000	-
52306 OPR-COMMUNICATIONS	3,996	3,996	-
Total Office Expenses	17,892	17,892	-
Other Operating Expenses			
52420 OPR-INSURANCE EXPENSE	16,100	13,500	(2,600)
52430 OPR-MISC EXPENSE	4,332	4,332	-
Total Other Operating Expenses	20,432	17,832	(2,600)
SUBTOTAL OF OPERATIONAL EXPENSES	797,050	850,277	53,227
Maintenance and Repair Equipment			
53101 M&R-EQUIPMENT	10,056	10,056	-
53105 M&R-GENERATORS	2,796	2,796	-
53110 M&R-CONTROL SYSTEMS	10,896	10,956	60
53115 M&R-METERS	2,400	2,400	-
53120 M&R-BOATS	600	600	-
Total Maintenance and Repair Equipment	26,748	26,808	60
Structures			
53201 M&R-BUILDING	1,800	1,800	-
53205 M&R-PUMPS AND MOTORS	984	984	-
53230 M&R-PIPELINES	480	480	-
53240 M&R-SPILLGATES	9,480	13,740	4,260
Total Structures	12,744	17,004	4,260
Other Maintenance & Repairs			
53301 M&R-ROADS	9,300	9,300	-
53305 M&R-RIGHT OF WAY	5,800	5,800	-
53310 M&R-GROUNDS	14,880	8,280	(6,600)
53399 M&R-MISC EXPENSE	240	240	-
Total Other Maintenance & Repairs	30,220	23,620	(6,600)
SUBTOTAL OF M&R EXPENSES	69,712	67,432	(2,280)

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	<u>27,310</u>	<u>41,996</u>	<u>14,686</u>
	Total Administrative & General	<u>27,310</u>	<u>41,996</u>	<u>14,686</u>
	Capital Outlay			
13217	AUTO & HEAVY EQUIPMENT	<u>55,992</u>	<u>-</u>	<u>(55,992)</u>
	Total Capital Outlay	<u>55,992</u>	<u>-</u>	<u>(55,992)</u>
	TOTAL OPERATING AND M&R EXPENSES	<u>950,064</u>	<u>959,705</u>	<u>9,641</u>
	Net Operating Income	<u>-</u>	<u>-</u>	<u>-</u>
	Net Change in Fund Balance	<u>-</u>	<u>-</u>	<u>-</u>



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Coletto Creek Recreation

The Park currently has:

- Twenty-two multi-use campsites (water, 20/30 amp electric hookups, BBQ grill, and picnic table)
- Forty-one multi-use campsites (water, 20/30/50 amp electric hookups, BBQ grill and picnic table)
- Six multi-use pull through campsites (20/30/50 amp service, water, BBQ grill, table)
- Four rental travel trailers
- Four camping cabins
- Picnic area with 70 picnic tables with BBQ grills, marked swimming area, playground, and sand volleyball courts.
- Four lane boat ramp, that provides the only public access to the reservoir.
- Two group pavilions for family reunions, company picnics, class reunions, etc. with their own volleyball court, horseshoe pit, marked swimming area, BBQ pit, water, and electricity.
- Two hundred foot lighted fishing pier.
- A 1 1/2 mile long hiking and nature trail.
- Restroom facilities.

-
- Service Provided: Water Recreation
 - Location: Fannin, TX
 - Startup Operation Date: 1981

-
- Customer: Public recreationalist
 - # of Current Employees: 7
 - Budgeted Revenue: \$835,065

Coletto Creek Division

Coletto Creek Recreation System

Operating Plan for Fiscal Year Ending 8/31/20

BACKGROUND

The Coletto Creek Division is comprised of two operating entities, the Recreation System and the Reservoir System. The Recreation System is responsible for the operation and maintenance of the Coletto Creek Park located adjacent to the Coletto Creek Reservoir. The park provides outdoor public recreation activities for Victoria and the surrounding region as well as the major metropolitan cities of Houston, San Antonio, Austin and Corpus Christi. The park also serves as a destination site for Winter Texans. Further, the Recreation System administers an adjacent landowner leaseback program and resource management projects on properties surrounding the reservoir.

The following work plan and budget describes the operations, maintenance and capital additions to be performed during the 2020 fiscal year by the Recreation System. The objectives of the work plan are to operate and maintain the Coletto Creek Park at a level that is family friendly, aesthetically pleasing, and better assures the safety and protection of all park users. Continued emphasis will be placed on land and water resource management programs to insure protection of these resources. With the current trend of employee turnover due to retirements of experienced rangers, focus will be on training to enhance current operations and increase technical competence of the new rangers. Coletto Creek employees also assist with tourism and economic development activities throughout the Guadalupe River Basin.

The Recreation System is responsible for the operation and maintenance of 78 developed campsites, 4 rental cabins, campground comfort stations, day use picnic facilities and restrooms, 4-lane boat ramp, 200-foot lighted fishing pier, and utilities including a potable drinking water system, sanitary sewer and electrical systems. The Recreation System also administers a leaseback program involving approximately 200 tracts of land surrounding the Reservoir. Funds for the operation of recreation facilities are generated by entrance and user fees, hunting revenues, leaseback revenues, event sponsorships, and recreation grants.

The Recreation System will be managed by the Reservoir Manager and operated by a Chief Ranger, five full-time Rangers, and Park Hosts. In addition to their recreation duties, the Rangers assist the Reservoir System with reservoir operations. Clerical and fee collection duties will be performed by an Administrative Assistant.

REVENUE SOURCES AND TRENDS

Entrance and user fees, hunting revenues, leaseback revenues, grants/donations/sponsorships, and miscellaneous revenues to the Recreation System generate funds for the operation of the Coletto Creek Park. These amounts are estimated at \$698,865, \$31,450, \$92,000, \$8,250, and \$4,500 respectively. The proposed fee schedule for FY 2020 is included in the "Rates and Rate Structure" table of the Introduction Section of this Work Plan and Budget.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

Significant operating expenses for the ensuing fiscal year include \$39,000 for Power and Utilities, \$6,500 for Vehicle Expense, \$9,600 for Bank Fees due to park patrons using credit and debit cards, \$5,880 for Office Supplies, \$9,000 for Computer Supplies \$4,800 for Communications, \$4,000 for Media Expense and \$19,000 for Insurance Expense.

Significant maintenance and repair expenses for the ensuing fiscal year includes \$13,600 for campground road maintenance, \$15,000 for campsite pad maintenance, and \$6,000 for the purchase of new picnic tables.

There are no capital expenses budgeted for FY 2020.

FUND BALANCE

Funds for the above listed work authorizations, equipment purchase, and operating expenditures that are summarized in the following pages will be provided from the revenue sources discussed above.



Staffing Summary

Coleta Creek Recreation	# of Authorized Positions (FTE)		
	2018	2019	2020
Chief Ranger	1	1	1
Reservoir Ranger	6	5	5
Administrative Assistant	1	1	1
Total	8	7	7

Changes from FY 2018 to FY 2019

1-Reservoir Ranger was removed.

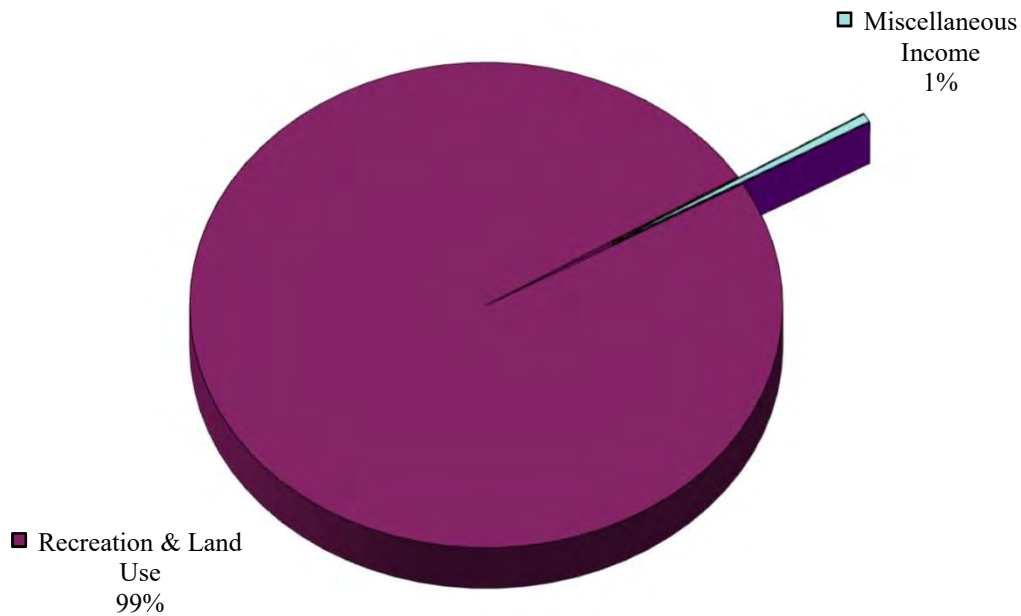
Changes from FY 2019 to FY 2020

No staffing changes for this division.



Budget Summary

REVENUES - Coleta Creek Recreation

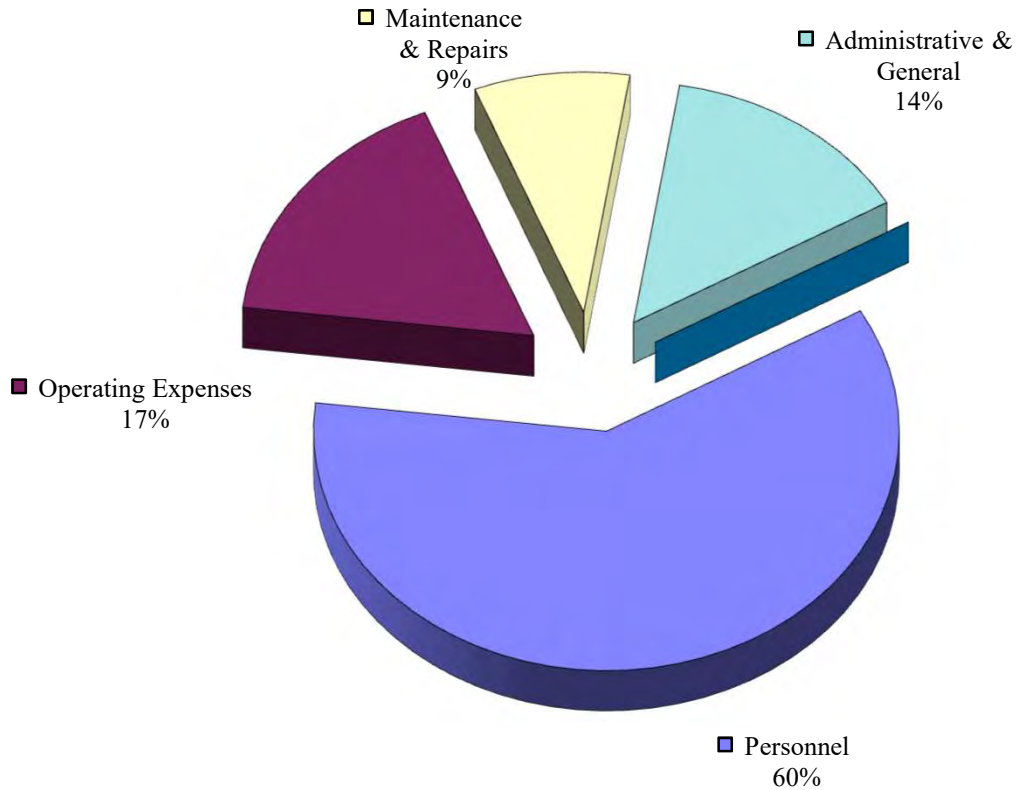


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use	732,640	850,246	830,565
Wastewater Services			
Laboratory Services			
Rentals	38,628		
Administrative & General			
Miscellaneous Income	16,494	4,500	4,500
Total Operating Revenues	787,762	854,746	835,065
Interest Income	59		
Grand Total Revenues	787,821	854,746	835,065



Budget Summary

EXPENSES - Coletto Creek Recreation



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	406,606	433,560	485,011
Operating Expenses	129,758	209,564	137,360
Maintenance & Repairs	33,398	44,908	69,160
Administrative & General	93,201	101,833	113,917
Total Operating Expenses	662,963	789,865	805,448
Interest Expense			
Capital Outlay	12,583	63,000	
Debt Service			
Grand Total Expenses	675,546	852,865	805,448

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020**

092 - Coleta Creek Recreation

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET			
OPERATING REVENUES			
Recreation & Other Rentals			
42902 REV-PARK ENTRY FEES	711,194.00	698,865.00	(12,329.00)
42915 REV-SPONSORSHIPS	10,752.00	8,250.00	(2,502.00)
42920 REV-HUNTING REVENUE	37,000.00	31,450.00	(5,550.00)
42922 REV-AG & LAND USE	91,300.00	92,000.00	700.00
Total Recreation & Other Rentals	850,246.00	830,565.00	(19,681.00)
Misc Income			
45195 MISCELLANEOUS REVENUES	4,500.00	4,500.00	-
Total Misc Income	4,500.00	4,500.00	-
Total Operating Revenue	854,746.00	835,065.00	(19,681.00)
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	297,343.00	320,436.00	23,093.00
51102 LBR-OVERTIME	11,241.00	24,768.00	13,527.00
Total Salaries	308,584.00	345,204.00	36,620.00
Benefits			
51298 BEN-BENEFIT ALLOCATION	124,976.00	139,807.00	14,831.00
Total Benefits	124,976.00	139,807.00	14,831.00
Operating Supplies & Services			
52101 OPR-POWER & UTILITIES	39,000.00	39,000.00	-
52102 OPR-AUXILIARY POWER EXPENSE	4,176.00	4,176.00	-
52114 OPR-LABORATORY SERVICES-GBRA	-	480.00	480.00
52118 OPR-DISPOSAL SERVICES	6,564.00	5,964.00	(600.00)
52120 OPR-UNIFORMS	1,200.00	1,200.00	-
52121 OPR-SAFETY & EMERGENCY EXPENSE	3,060.00	3,300.00	240.00
52124 OPR-EQUIPMENT EXPENSE	5,184.00	5,100.00	(84.00)
52125 OPR-VEHICLE EXPENSE	6,504.00	6,500.00	(4.00)

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
Total Operating Supplies & Services	65,688.00	65,720.00	32.00
Professional Services and Fees			
52205 OPR-PROFESSIONAL SERVICES-OTHER	60,000.00	-	(60,000.00)
52220 OPR-BANK FEES	16,872.00	9,600.00	(7,272.00)
52222 OPR-MEMBERSHIPS & PUBLICATIONS	1,920.00	1,920.00	-
52223 OPR-LICENSE & TRAINING	3,240.00	3,240.00	-
52224 OPR-TRAVEL	2,500.00	2,500.00	-
Total Professional Services and Fees	84,532.00	17,260.00	(67,272.00)
Office Expenses			
52301 OPR-OFFICE SUPPLIES	5,880.00	5,880.00	-
52302 OPR-COMPUTER SUPPLIES	9,000.00	9,000.00	-
52306 OPR-COMMUNICATIONS	4,800.00	4,800.00	-
52322 OPR-MEDIA EXPENSE	7,000.00	4,000.00	(3,000.00)
52331 OPR-JANITORIAL SUPPLIES AND SERVICE	6,324.00	6,300.00	(24.00)
Total Office Expenses	33,004.00	29,980.00	(3,024.00)
Other Operating Expenses			
52420 OPR-INSURANCE EXPENSE	21,300.00	19,000.00	(2,300.00)
52430 OPR-MISC EXPENSE	5,040.00	5,400.00	360.00
Total Other Operating Expenses	26,340.00	24,400.00	(1,940.00)
SUBTOTAL OF OPERATIONAL EXPENSES	643,124.00	622,371.00	(20,753.00)
Structures			
53201 M&R-BUILDING	4,560.00	4,560.00	-
53250 M&R-LAKE STRUCTURES	3,000.00	3,000.00	-
53251 M&R-PARK STRUCTURES	6,000.00	6,000.00	-
Total Structures	13,560.00	13,560.00	-
Other Maintenance & Repairs			
53301 M&R-ROADS	3,600.00	13,600.00	10,000.00
53310 M&R-GROUNDS	4,000.00	4,000.00	-
53315 M&R-CAMP AND PICNIC SITES	21,648.00	38,000.00	16,352.00
53325 M&R-GENERAL MAINTENANCE	2,100.00	-	(2,100.00)
Total Other Maintenance & Repairs	31,348.00	55,600.00	24,252.00
SUBTOTAL OF M&R EXPENSES	44,908.00	69,160.00	24,252.00
Administrative & General			
54100 ADMINISTRATIVE & GENERAL	101,833.00	113,917.00	12,084.00
Total Administrative & General	101,833.00	113,917.00	12,084.00
Capital Outlay			

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
61102	BUILDING EXPENSE	40,000.00	-	(40,000.00)
61103	EQUIPMENT EXPENSE	23,000.00	-	(23,000.00)
	Total Capital Outlay	63,000.00	-	(63,000.00)
	TOTAL OPERATING AND M&R EXPENSES	852,865.00	805,448.00	(47,417.00)
	Net Operating Income	1,881.00	29,617.00	27,736.00
	Net Change in Fund Balance	1,881.00	29,617.00	27,736.00



Luling WTP

Under water rights permits issued by the State of Texas, the GBRA Luling Water Treatment Plant is capable of diverting up to 4,422 acre-feet of water annually from the San Marcos River near Luling, providing a reliable source of high quality drinking water to the City of Luling and to the City of Lockhart.

With a peak rate treatment capacity of 2.5 million gallons per day, division staff utilizes technology and equipment to achieve efficient and cost-effective plant operations. The plant is manned around the clock to ensure that treated water meets all required standards for public water facilities. This plant is a past winner of the U.S. Environmental Protection Agency Region 6 "Environmental Excellence Award for Public Water Supply".

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- | | |
|---|---------------------------------|
| • Service Provided: Water treatment | • Service Population: 16,695 |
| • Location: Luling, TX | • Capacity: 2.5 MGD |
| • Startup Operation Date: 1978 | • # of Current Employees: 5 |
| • Customer: Cities of Luling & Lockhart | • Budgeted Revenue: \$1,396,810 |

Luling Water Treatment Plant Division Operating Plan for Fiscal Year ending 8/31/2020

BACKGROUND

The City of Luling contracted with GBRA in 1975 for the construction and operation of a surface water treatment plant. The plant came on line and started delivering drinking water from the San Marcos River in 1978. In fiscal year 2005, the Luling Water Treatment Plant Division started delivering treated water to the City of Lockhart by using plant capacity in the Luling Water Treatment Plant that was currently not utilized by the City of Luling. The original contract signed in 1975 expired November 2015 and a new water supply agreement contract was signed on December 8th 2016. This contract provides that GBRA bill the City for the actual costs of operating the plant and that GBRA does not over-recover nor under-recover those operating costs.

A Chief Operator and four Operators, working as a team will continue to staff the plant, while one contract laborer will be utilized during the peak maintenance season. Serving as facilitator to the team will be the Division Manager - Hays/Caldwell Counties. Additional support is received from the Seguin office in the form of engineering, electrical, and administrative functions.

REVENUE SOURCES AND TRENDS

This work plan and budget describes the operations and maintenance of the Luling Water Treatment Plant Division to be performed during the 2020 Fiscal Year based on an estimated treated water delivery of 239.640 MG to the City of Luling and a treated water delivery of 412.021 MG to the City of Lockhart for a total delivery of 651.661 MG.

The total operating revenue budgeted to be received during FY 2020 is \$1,389,810 compared to budgeted revenue of \$1,182,195 for FY 2019. This 17.6% increase in revenue reflects a corresponding increase in total operating expenditures as explained below.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

Significant operating expenses for the ensuing fiscal year include \$70,491 for power and utilities at the Water Treatment Plant, \$31,702 for power and utilities at the Luling High Service Pump Station, \$70,948 for power costs to operate the treated water line to Lockhart, \$23,173 for chlorine used in the disinfection process, and \$80,174 for ferric chloride used in the coagulation process. Another significant operating expenditure is the \$14,220 for laboratory expenses to include in-house lab expenses, outside lab testing fees and expenses and testing fees performed by the Texas Commission on Environmental Quality (TCEQ).

The Fiscal Year 2020 Work Plan and Budget includes \$3,000 to clean the Flocculator Basin, \$6,000 to replace barbwire fencing, \$5,000 to replace a filter backwash vacuum pump and \$215,306, which represents the current year cost for the purchase and installation of an emergency generator allocated over a three-year period. The total operating expenditure budget, exclusive of debt service payments, for FY 2020 amounts to \$1,389,810.

In order to meet public service needs through motivated employees, provide advanced training, and maintain and upgrade occupational licenses, personnel will attend courses provided by various

approved sources such as Texas Engineering Extension Service and Texas Water Utility Association. Plant personnel will also conduct in-house training in team building skills, confined space rescue, hazard communication, electrical safety and maintenance, first aid, and CPR. Other training will include computer software and personal development seminars.

FUND BALANCE

Funds for the above listed maintenance projects as well as all of the other operating expenditures that are summarized in the following pages will be provided from revenues from the City of Luling and the City of Lockhart. This division generally represents a contract operation in which GBRA does not over or under recover its costs; therefore, the operating revenues collected cover the operating costs leaving a balance of projected interest earnings of \$7,000 and a debt coverage factor of \$40,716 from the bonds used to finance the Luling-to-Lockhart pipeline. As a result, the total fund balance for FY 2020 is \$47,717.



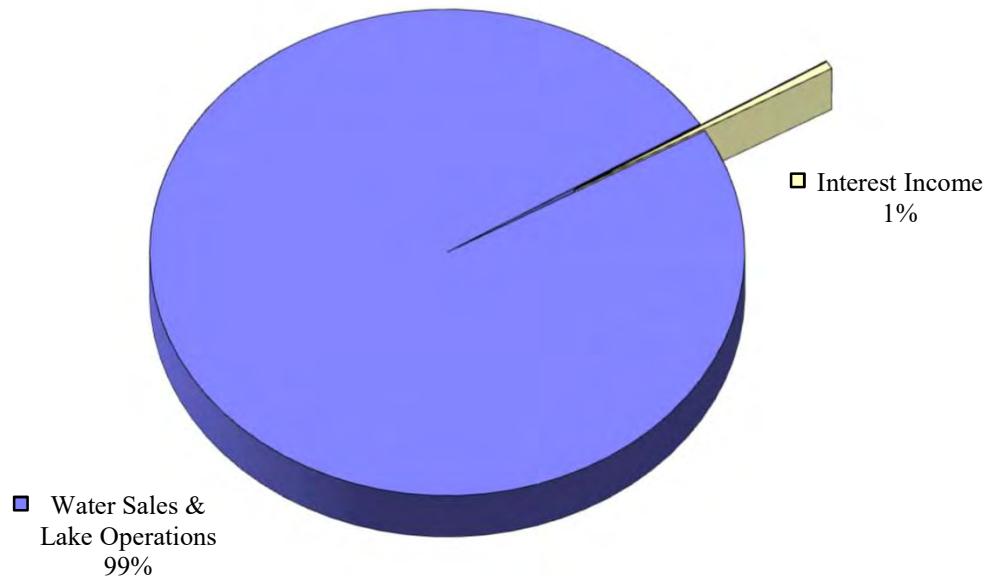
Luling WTP	# of Authorized Positions (FTE)		
	2018	2019	2020
Chief Operator	1	1	1
Operators	4	4	4
Total	5	5	5

Changes from FY 2019 to FY 2020
No staffing changes for this division.



Budget Summary

REVENUES - Luling WTP

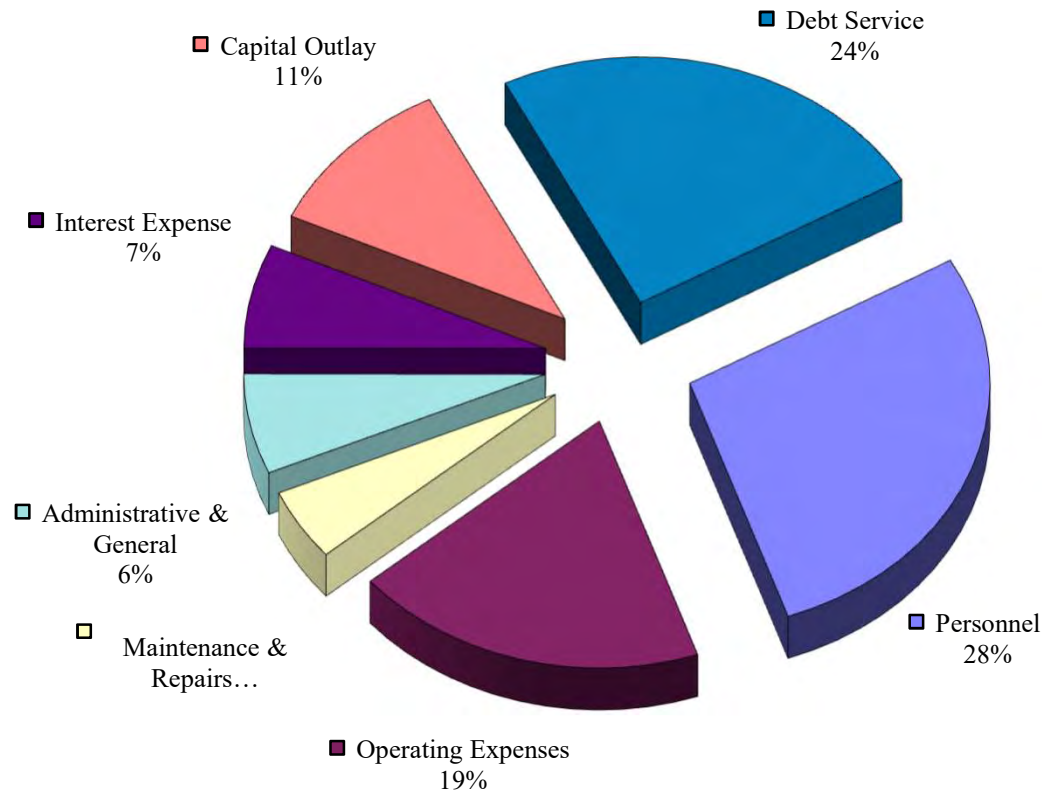


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations	1,364,123	1,182,195	1,389,810
Recreation & Land Use			
Wastewater Services			
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income			
Total Operating Revenues	1,364,123	1,182,195	1,389,810
Interest Income	7,543	7,160	7,000
Capacity Charge Revenue	449,829	607,983	663,180
Grand Total Revenues	1,821,495	1,797,338	2,059,990



Budget Summary

EXPENSES - Luling WTP



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	414,074	464,132	564,495
Operating Expenses	319,423	355,011	382,553
Maintenance & Repairs	89,560	92,560	94,870
Administrative & General	96,508	109,013	132,586
Total Operating Expenses	919,565	1,020,716	1,174,504
Interest Expense	140,932	149,591	137,573
Capital Outlay		161,479	215,306
Debt Service	260,000	417,801	484,890
Grand Total Expenses	1,320,497	1,749,587	2,012,273

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020**

100 - Luling WTP

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET			
OPERATING REVENUES			
Water Treatment			
41101 PLANT O&M	381,240	415,895	34,655
41102 PLANT A&G	38,726	43,860	5,134
41135 LU/LO TREATMENT PLANT CHARGE	612,855	720,492	107,637
41137 W/S-LU/LO DELIVERY SYSTEM	149,374	209,563	60,189
Total Water Treatment	1,182,195	1,389,810	207,615
Operating Interest			
44110 INT-OPR INVESTMENT FUNDS	1,500	7,000	5,500
44115 INT-LU/LO OPR FUND	5,000	-	(5,000)
Total Operating Interest	6,500	7,000	500
Restricted Interest			
44216 INT-2014 LU/LO I&S FUND	660	-	(660)
Total Restricted Interest	660	-	(660)
Total Operating Revenue	1,189,355	1,396,810	207,455
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	287,013	351,660	64,647
51102 LBR-OVERTIME	43,330	50,116	6,786
Total Salaries	330,343	401,776	71,433
Benefits			
51298 BEN-BENEFIT ALLOCATION	133,789	162,719	28,930
Total Benefits	133,789	162,719	28,930
Operating Supplies & Services			
52101 OPR-POWER & UTILITIES	176,572	173,141	(3,431)
52102 OPR-AUXILIARY POWER EXPENSE	1,500	1,500	-
52103 OPR-CHEMICALS	102,645	132,945	30,300

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
52113 OPR-LAB SUPPLIES	13,550	13,160	(390)
52114 OPR-LABORATORY SERVICES-GBRA	4,600	460	(4,140)
52115 OPR-LABORATORY SERVICES-OUTSOURCED	600	600	-
52120 OPR-UNIFORMS	5,200	5,200	-
52121 OPR-SAFTY & EMERGENCY EXPENSE	2,089	5,500	3,411
52123 OPR-EQUIPMENT RENTAL	2,123	2,123	-
52125 OPR-VEHICLE EXPENSE	5,504	5,504	-
52126 OPR-FLEET LEASE EXPENSE	1,200	1,200	-
52133 OPR-SCADA	-	2,800	2,800
Total Operating Supplies & Services	315,583	344,133	28,550
Professional Services and Fees			
52205 OPR-PROFESSIONAL SERVICES-OTHER	2,000	2,000	-
52216 OPR-REGULATORY FEES	1,500	1,500	-
52217 OPR-INSPECTION FEES	428	600	172
52220 OPR-BANK FEES	1,000	1,000	-
52222 OPR-MEMBERSHIPS & PUBLICATIONS	300	300	-
52223 OPR-LICENSE & TRAINING	2,650	2,650	-
52224 OPR-TRAVEL	1,000	1,000	-
Total Professional Services and Fees	8,878	9,050	172
Office Expenses			
52301 OPR-OFFICE SUPPLIES	1,400	2,400	1,000
52302 OPR-COMPUTER SUPPLIES	1,900	1,900	-
52304 OPR-COPY SUPPLIES AND SERVICES	1,900	1,900	-
52305 OPR-POSTAGE AND FREIGHT EXPENSE	-	180	180
52306 OPR-COMMUNICATIONS	3,750	3,750	-
Total Office Expenses	8,950	10,130	1,180
Other Operating Expenses			
52420 OPR-INSURANCE EXPENSE	19,200	19,000	(200)
52430 OPR-MISC EXPENSE	2,400	240	(2,160)
Total Other Operating Expenses	21,600	19,240	(2,360)
SUBTOTAL OF OPERATIONAL EXPENSES	819,143	947,048	127,905
Maintenance and Repair Equipment			
53101 M&R-EQUIPMENT	18,600	21,600	3,000
53110 M&R-CONTROL SYSTEMS	7,000	7,000	-
53115 M&R-METERS	2,600	2,600	-
Total Maintenance and Repair Equipment	28,200	31,200	3,000
Structures			
53201 M&R-BUILDING	860	860	-
53202 M&R-CLEARWELLS	600	1,880	1,280

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
53205	M&R-PUMPS AND MOTORS	13,500	18,500	5,000
53210	M&R-GATES AND VALVES	6,000	6,000	-
53216	M&R-PUMPSTATIONS	9,000	9,000	-
53238	M&R-FILTERS	600	2,600	2,000
	Total Structures	30,560	38,840	8,280
	Other Maintenance & Repairs			
53301	M&R-ROADS	2,000	2,000	-
53310	M&R-GROUNDS	1,200	7,200	6,000
53325	M&R-GENERAL MAINTENANCE	30,600	15,630	(14,970)
	Total Other Maintenance & Repairs	33,800	24,830	(8,970)
	SUBTOTAL OF M&R EXPENSES	92,560	94,870	2,310
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	109,013	132,586	23,573
	Total Administrative & General	109,013	132,586	23,573
	Transfers			
61505	TRANSFERS-DESIGNATED PROJECT FUND	161,479	215,306	53,827
	Total Transfers	161,479	215,306	53,827
	TOTAL OPERATING AND M&R EXPENSES	1,182,195	1,389,810	207,615
	Net Operating Income	7,160	7,000	(160)

DEBT SERVICE BUDGET

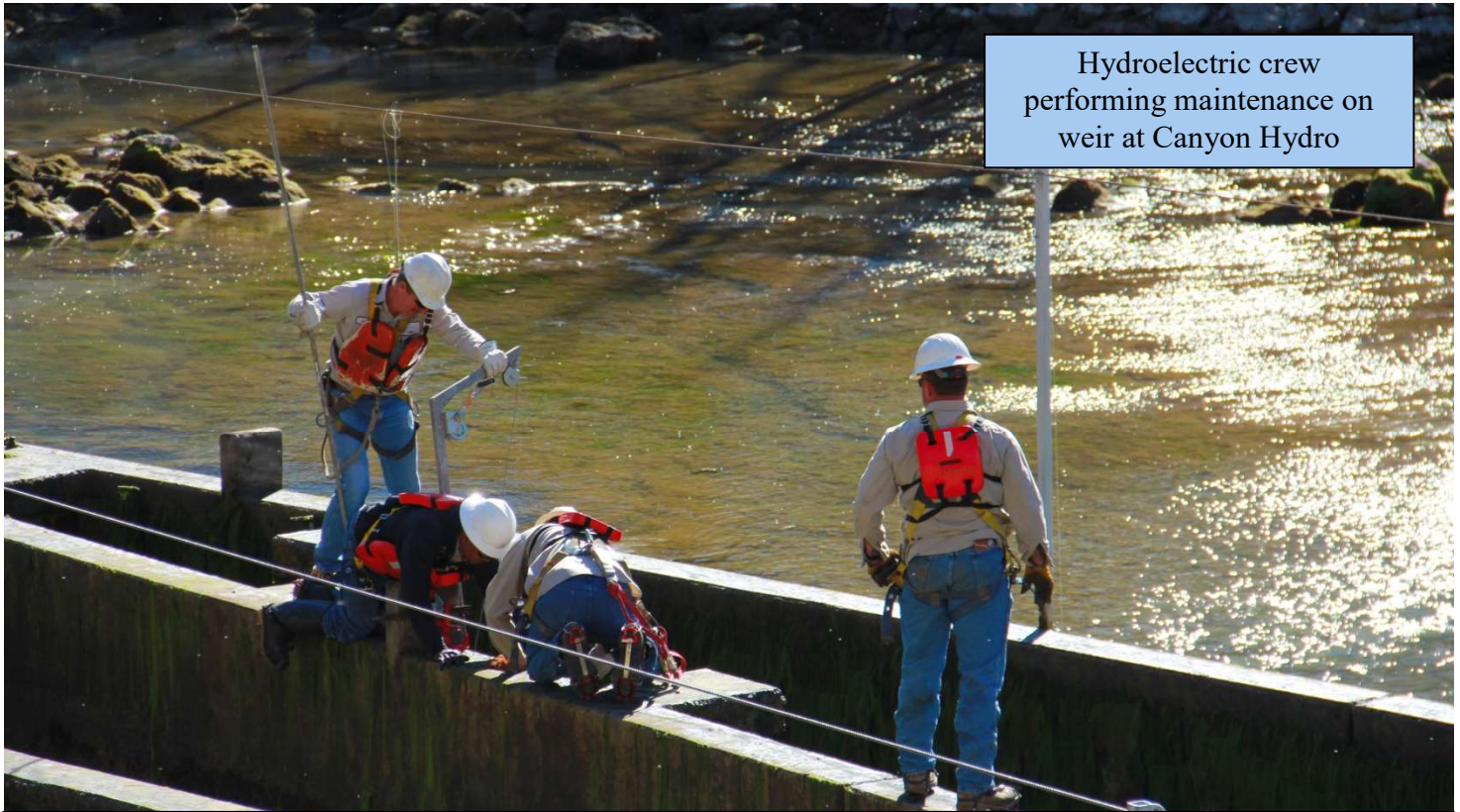
	Capacity Charge Revenue			
41131	DEBT SERVICE-LU/LO PROJECT	405,913	407,158	1,245
41133	DEBT COVER-LU/LO PROJECT	40,591	40,716	125
41138	PLANT DEBT SERVICE	161,479	215,306	53,827
	Total Capacity Charge Revenue	607,983	663,180	55,197
	Total Debt Revenue	607,983	663,180	55,197
	Principal Payments Expense			
21150	LOAN-BUDGET PRINCIPAL	142,801	199,057	56,256
21207	BOND-2014 LULO PIPELINE	275,000	285,833	10,833
	Total Principal Payments Expense	417,801	484,890	67,089

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
	Interest Expense			
57103	INT-LULO BONDS	130,913	121,325	(9,588)
57250	INT-BUDGET LOAN EXPENSE	18,678	16,248	(2,430)
	Total Interest Expense	149,591	137,573	(12,018)
	Total Debt Expense	567,392	622,463	55,071
	Net Change in Debt Service Budget	40,591	40,717	126
	Net Change in Fund Balance	47,751	47,717	(34)

Luling WTP - Designated Project Fund

Project Description	FY 2020
Projects Funded From Other Sources	
Emergency Generator (\$550,000, financed over 3 yrs)	215,306
<hr/> Total Luling Designated Project Fund	<hr/> \$ 215,306 <hr/>

Note: See Financial Summary section for total project information



Canyon Hydroelectric

Hydroelectricity is one of the cleanest sources of power currently available. For more than 75 years, natural flows of the Guadalupe River have been passed through the turbines of hydroelectric plants to generate electricity for basin residents. These flows are returned to the river, unchanged, for use by others. Water, the "renewable resource", can be used to create energy that benefits people and the environment.

This division operates a six-megawatt hydroelectric plant located in Sattler, Texas, adjacent to the Canyon Dam discharge channel. The plant uses natural flows of the Guadalupe River as passed through Canyon Dam to generate electricity that is provided to New Braunfels Utilities (NBU) for residents of the City of New Braunfels.

The plant is equipped with two 3-megawatt generators that use available river flows in the range of 90 to 300 cubic feet per second (cfs) each to produce electricity. Included in the plant is a bypass valve capable of releasing up to 500 additional cfs. Flows above the combined total of 1,100 cfs must be released through the dam's original outlet structure.

The plant operates through a license from the Federal Energy Regulatory Commission, with permits from TCEQ and the U.S Army Corps of Engineers. The plant is monitored and operated remotely from the hydroelectric control room located in Seguin.

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|--|------------------------------------|
| • Service Provided: Hydroelectric generation | • Capacity: 6 MW |
| • Location: Sattler, TX | • Average Kwh Produced: 14,318,834 |
| • Startup Operation Date: 1989 | • # of Current Employees: 1 |
| • Customer: NBU | • Budgeted Revenue: \$515,171 |

Canyon Hydroelectric Division

Operating Plan for Fiscal Year Ending 8/31/20

BACKGROUND

The Guadalupe-Blanco River Authority Canyon Hydroelectric Division began operation in January of 1989. The Division consists of a hydroelectric generating plant with two 3-megawatt generators that can use available river flows in the range of 90 to 300 cubic feet per second (cfs) to produce electricity. Included in the plant is a bypass valve capable of releasing up to 500 additional cubic feet per second. When releases from Canyon Dam are above the combined generation and bypass rates (a total of 1,100 cfs), the plant cannot be operated, and all water must be released through the dam's original outlet structure.

The objective of all GBRA employees who operate and maintain the Canyon Hydroelectric plant is to provide a level of equipment reliability that will assure the generation of electricity from all water releases from Canyon Reservoir that are within the plant's operating range.

The two GBRA employees who are assigned to the Canyon Hydroelectric Division maintain the plant. Personnel from the GBRA Guadalupe Valley Hydroelectric Division assist these employees in their maintenance duties. The remote operation of the plant is conducted from the central Control Room at the Seguin office of GBRA.

REVENUE SOURCES AND TRENDS

All power sales revenue within the division is paid by New Braunfels Utilities (NBU), which is the beneficiary of all electricity generated by the plant. NBU pays a monthly energy charge based on a rate of \$0.0133 cents per kW hour of electricity that is generated. The Division is a cost of service operation, and at the end of each fiscal year there is reconciliation between GBRA and NBU to adjust income to actual expenses for the year. If the total cost of operating the plant exceeds the amount of revenue collected, then NBU reimburses GBRA for this difference. If the alternative is the case, then GBRA reimburses NBU the difference.

The total amount of Division revenue budgeted for FY 2020 is \$515,171 which is \$56,809 less than budgeted revenue for FY 2019. This decrease in revenue is due to a similar decrease in budgeted operating, maintenance, and capital costs for the division in FY 2020 as explained below.

The power sales revenue budget is set to equal the total amount of budgeted expenditures. This method is consistent with the annual reconciliation process described above.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

An important component of the Division's operating expenditures is the labor costs associated with operating and maintaining the hydroelectric plant. A substantial share of the labor cost is associated with the hydro plant attendant who visits the plant two to three times each week. Some of the attendant's duties are:

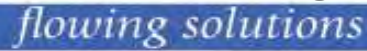
1. Observe and monitor the facilities and all major equipment.
2. Report maintenance requirements.
3. Record, analyze and compare meter, gauge, and level readings.
4. Simulate alarms and verify the Seguin Control Room receives the alarms.
5. Lubricate and maintain equipment as scheduled or as needed.
6. Test dissolved oxygen (DO) content of water downstream of the plant.

7. Collect water samples for DO comparison and deliver to the GBRA Water Quality Laboratory.

During FY 2020, the staff will continue to monitor the effect that the hydrogen sulfide-rich atmosphere has on the plant's equipment. This condition exists due to the 150 feet depth of Canyon Reservoir and the fact that water released for generation comes from the bottom of the lake. Maintenance and repairs due to this corrosive condition and other repairs will be performed as needed. Preventive maintenance tasks and routine operational checks will be performed during the year on electrical and mechanical equipment. Intake air vents modified to help lower the hydrogen sulfide concentration of ambient air used to cool the generation equipment. This work is included in the general maintenance of the powerhouse line item. Also included in the work plan is the purchase of spare parts to repair programmable logic controllers necessary to operate the generation equipment.

FUND BALANCE

Funds for operating expenditures included within the FY 2020 budget that are summarized in the following pages will be funded from power sales revenue derived from NBU. This Division represents a contract operation in which GBRA does not over-recover nor under-recover its costs. Therefore, the change in fund balance should be \$0 after the Fiscal Year end reconciliation of costs is agreed to by GBRA and NBU.



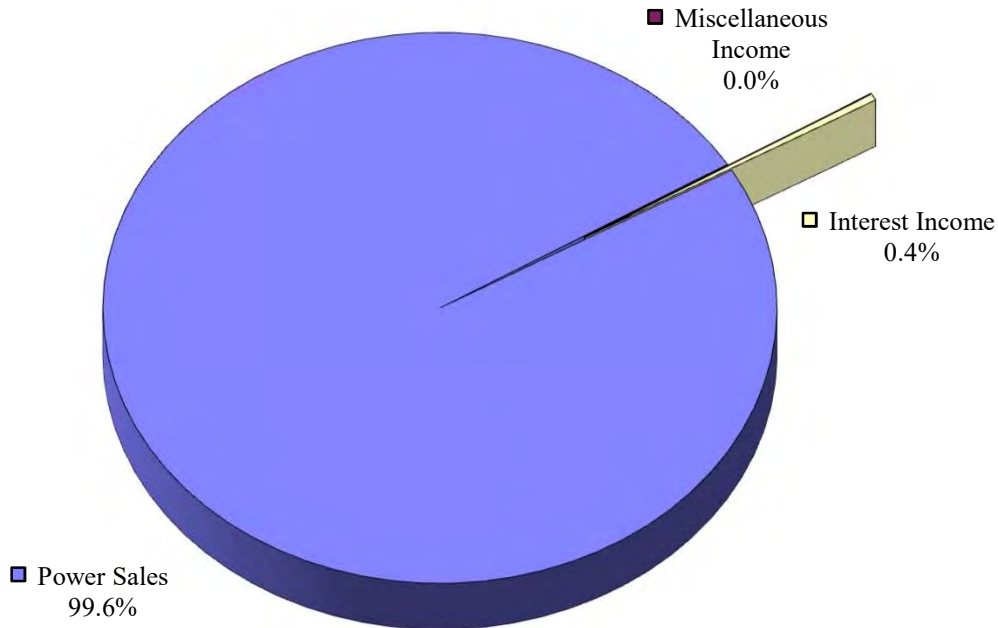
Canyon Hydroelectric	# of Authorized Positions (FTE)		
	2018	2019	2020
Electrical/Instrumentation Technician	1	1	---
Maintenance Crew	1	1	1
Total	2	2	1

1-Moved Electrical/Instrumentation Technician to the 041-Water Sales System.



Budget Summary

REVENUES - Canyon Hydroelectric

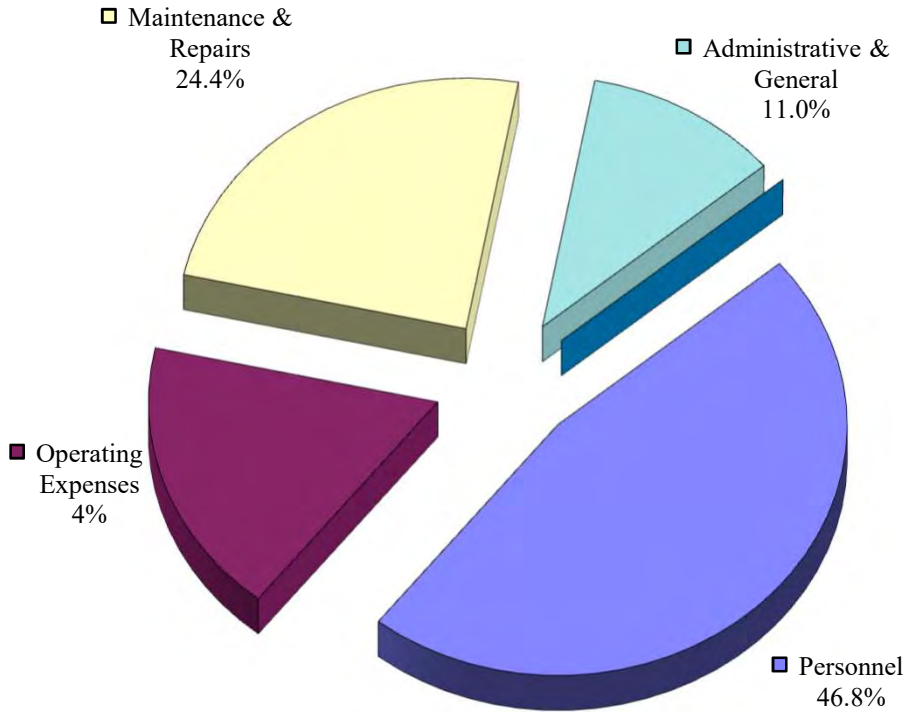


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales	282,978	571,980	513,171
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services			
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income			
Total Operating Revenues	282,978	571,980	513,171
Interest Income	1,813		2,000
Grand Total Revenues	284,791	571,980	515,171



Budget Summary

EXPENSES - Canyon Hydroelectric



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	173,949	204,523	240,888
Operating Expenses	54,188	97,520	91,804
Maintenance & Repairs	16,896	221,900	125,900
Administrative & General	39,758	48,037	56,579
Total Operating Expenses	284,791	571,980	515,171
Interest Expense			
Capital Outlay			
Debt Service			
Grand Total Expenses	284,791	571,980	515,171

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020**

120 - Canyon Hydroelectric

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET				
OPERATING REVENUES				
Hydroelectric				
41301	POWER SALES	571,980	513,171	(58,809)
	Total Hydroelectric	571,980	513,171	(58,809)
Operating Interest				
44110	INT-OPR INVESTMENT FUNDS	-	2,000	2,000
	Total Operating Interest	-	2,000	2,000
	Total Operating Revenue	571,980	515,171	(56,809)
OPERATING EXPENSES				
Salaries				
51101	LBR-REGULAR WAGES	136,622	158,613	21,991
51102	LBR-OVERTIME	8,946	12,838	3,892
	Total Salaries	145,568	171,451	25,883
Benefits				
51298	BEN-BENEFIT ALLOCATION	58,955	69,437	10,482
	Total Benefits	58,955	69,437	10,482
Operating Supplies & Services				
52101	OPR-POWER & UTILITIES	3,000	3,000	-
52102	OPR-AUXILIARY POWER EXPENSE	200	-	(200)
52110	OPR-SMALL TOOLS AND SUPPLIES	1,000	1,000	-
52120	OPR-UNIFORMS	2,000	2,000	-
52121	OPR-SAFETY & EMERGENCY EXPENSE	3,000	3,000	-
52124	OPR-EQUIPMENT EXPENSE	1,000	-	(1,000)
52125	OPR-VEHICLE EXPENSE	7,500	7,500	-
52133	OPR-SCADA	120	120	-
	Total Operating Supplies & Services	17,820	16,620	(1,200)
Professional Services and Fees				
52205	OPR-PROFESSIONAL SERVICES-OTHER	5,500	5,000	(500)

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
52216	OPR-REGULATORY FEES	46,000	46,000	-
52223	OPR-LICENSE & TRAINING	700	700	-
52224	OPR-TRAVEL	300	300	-
	Total Professional Services and Fees	52,500	52,000	(500)
	Office Expenses			
52306	OPR-COMMUNICATIONS	2,000	2,000	-
	Total Office Expenses	2,000	2,000	-
	Other Operating Expenses			
52403	OPR-BUILDING RENTAL	-	2,184	2,184
52420	OPR-INSURANCE EXPENSE	23,200	17,000	(6,200)
52430	OPR-MISC EXPENSE	2,000	2,000	-
	Total Other Operating Expenses	25,200	21,184	(4,016)
	SUBTOTAL OF OPERATIONAL EXPENSES	302,043	332,692	30,649
	Maintenance and Repair Equipment			
53101	M&R-EQUIPMENT	70,000	20,000	(50,000)
53105	M&R-GENERATORS	3,000	10,000	7,000
53110	M&R-CONTROL SYSTEMS	103,000	30,000	(73,000)
53130	M&R-HYDROELECTRIC	10,000	10,000	-
	Total Maintenance and Repair Equipment	186,000	70,000	(116,000)
	Structures			
53201	M&R-BUILDING	900	900	-
53235	M&R-TRANSMISSION LINES	10,000	5,000	(5,000)
53245	M&R-POWERHOUSE	21,000	41,000	20,000
	Total Structures	31,900	46,900	15,000
	Other Maintenance & Repairs			
53325	M&R-GENERAL MAINTENANCE	2,000	-	(2,000)
53399	M&R-MISC EXPENSE	2,000	9,000	7,000
	Total Other Maintenance & Repairs	4,000	9,000	5,000
	SUBTOTAL OF M&R EXPENSES	221,900	125,900	(96,000)
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	48,037	56,579	8,542
	Total Administrative & General	48,037	56,579	8,542
	TOTAL OPERATING AND M&R EXPENSES	571,980	515,171	(56,809)
	Net Operating Income	-	-	-
	Net Change in Fund Balance	-	-	-



Larremore Plant
Clarifier Spray Bar
Used to reduce foam & debris

Lockhart WWT

This division was established on October 1, 1994 to operate and manage the existing 1.1 mgd Larremore Street Wastewater Treatment Plant and a new 1.5 mgd F.M. 20 Plant, completed in February 1999, under contract with the City of Lockhart. The two plants provide an environmentally-responsible wastewater treatment service for the city limits and have capacity to meet future growth needs.

The F.M. 20 Plant is an approved site for acceptance and treatment of septic tank waste. It utilizes an activated sludge process to treat wastewater ultraviolet (UV) light for disinfection in place of chlorine.

Daily sample testing is completed in an on-site laboratory to ensure effluent meets all state and federal guidelines. Furthermore, biomonitoring tests are performed to ensure that aquatic life and the environment will not be harmed by treated wastewater effluent returned to the surface waters of the Guadalupe River Basin.

-
- | | |
|--|-------------------------------------|
| • Service Provided: Wastewater Treatment | • Capacity: 2.6 MGD |
| • Location: Lockhart, TX | • # of gallons treated: 441,080,000 |
| • Startup Operation Date: 1994 | • # of Current Employees: 4 |
| • Customer: City of Lockhart | • Budgeted Revenue: \$1,238,416 |

Lockhart Division

Lockhart Wastewater Reclamation System

Operating Plan for Fiscal Year Ending 8/31/20

BACKGROUND

After signing a contract with the City of Lockhart in 1994, GBRA assumed the operation of the City's 1.1 million gallons per day (MGD) Larremore Street wastewater treatment plant. Subsequently in 1999, the new 1.5 MGD FM20 plant commenced operation increasing the City's combined wastewater treatment capacity to 2.6 MGD. The contract between the City of Lockhart and GBRA provides that GBRA will bill the City the actual cost of operating the two plants. As a result, revenue is matched to expenses and GBRA does not over-recover nor under-recover the cost of operating the System.

Personnel within the Lockhart Wastewater Reclamation System are organized into a team consisting of the Chief Operator and three operators. In addition, GBRA's water plant personnel located at the Lockhart Water Treatment Plant will assist in the maintenance and repair of the wastewater treatment plants. Serving as facilitators to the team will be the Hays/Caldwell Division Manager. Additional support will be received from the Seguin office in the form of engineering, electrical, purchasing, and administrative functions.

REVENUE SOURCES AND TRENDS

The following Work Plan and Budget is based on the two Lockhart Wastewater Treatment Plants treating an estimated sewage flow of 441.08 million gallons annually or 1.2 million gallons per day (MGD). For Fiscal Year 2020, the flow will be split with approximately 0.464 MGD treated by the Larremore Plant and 0.745 MGD treated by the FM 20 Plant and is based on total estimated annual wastewater to be treated of 441,080,000 gallons or 1.2 MGD. Revenue to treat this amount of waste has generally trended upward over the last several years coincident with inflationary increases in plant operating costs. The budgeted FY 2020 total revenue for the Lockhart Wastewater System is \$1,238,416 which is \$202,705 or 19.6% more than last year's budget.

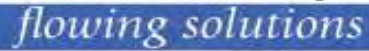
CAPITAL ADDITIONS AND OPERATING EXPENDITURES

The combined capital additions and operating expenditure budget for FY 2020 amounts to \$1,238,416. Significant operating expenses budgeted for Fiscal Year 2020 include biosolids disposal in the amount of \$150,660, power and utilities of \$225,004, and lab supplies and expenses of \$52,592. Additional expenditures include construction of a chemical room to house bulk purchases polymer used to process bio-solids.

In order to meet public service needs through motivated employees, provide advanced training, and maintain and upgrade occupational licenses, personnel will attend courses provided by various approved sources such as Texas Engineering Extension Service and Texas Water Utility Association. Plant personnel will also conduct in-house training in team building skills, confined space rescue, hazard communication, electrical safety and maintenance, first aid, and CPR. Other training will include computer software and personal development seminars.

FUND BALANCE

Funds for the above listed capital additions and maintenance projects as well as all of the other operating expenditures that are summarized in the following pages will be provided from revenues from the City of Lockhart. Since this system represents a contract operation in which GBRA does not over-recover nor under-recover its costs, the net change in fund balance for FY 2020 is \$0.



Staffing Summary

Lockhart WWTP	# of Authorized Positions (FTE)		
	2018	2019	2020
Chief Operator	1	1	1
Operators	3	3	3
Total	4	4	4

Changes from FY 2018 to FY 2019

No staffing changes for this division.

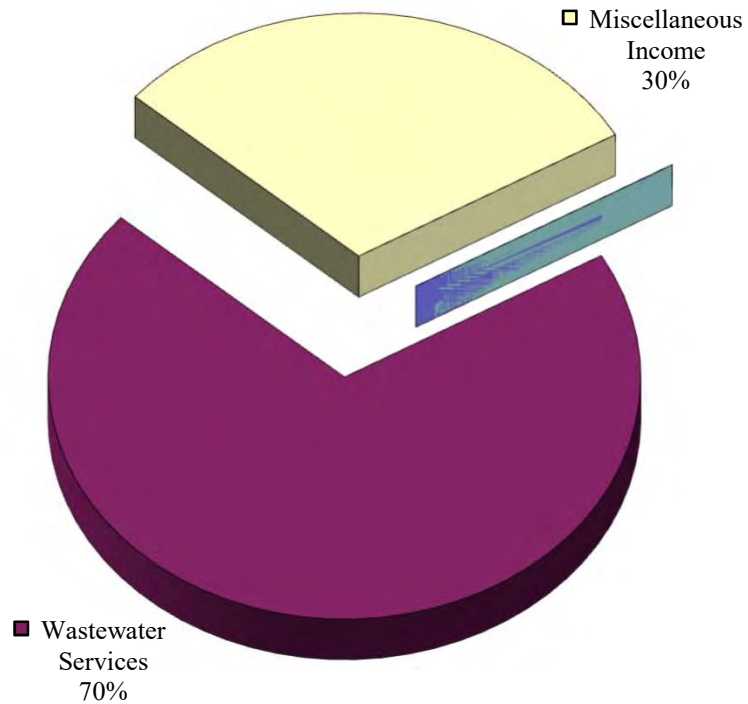
Changes from FY 2019 to FY 2020

No staffing changes for this division.



Budget Summary

REVENUES - Lockhart WWTP

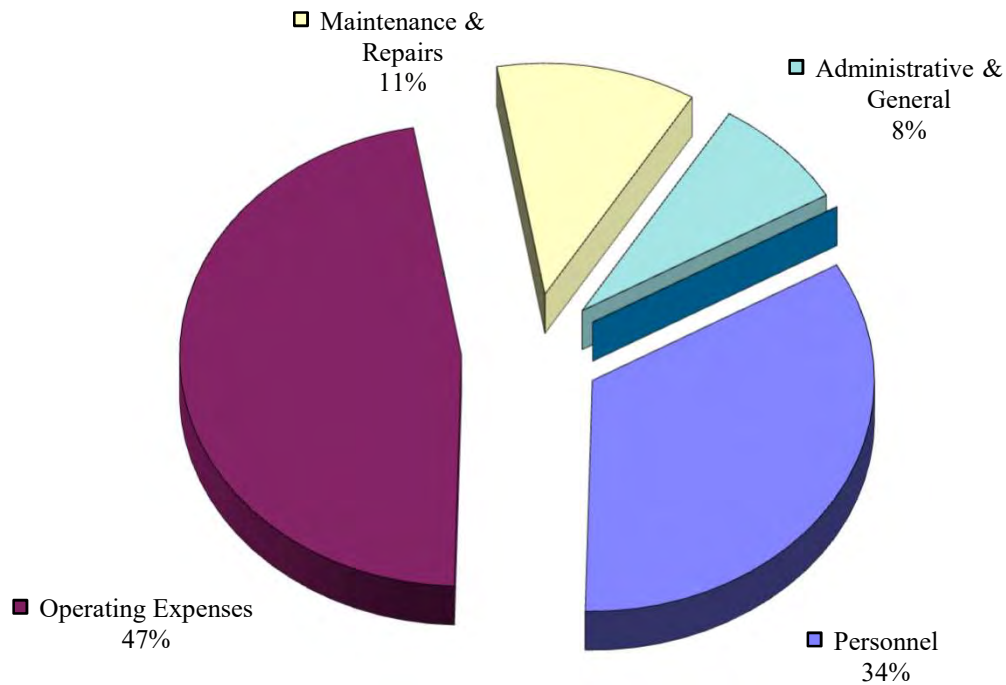


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services	604,043	735,711	863,416
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	396,626	300,000	375,000
Total Operating Revenues	1,000,669	1,035,711	1,238,416
Interest Income	222		
Grand Total Revenues	1,000,891	1,035,711	1,238,416



Budget Summary

EXPENSES - Lockhart WWTP



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	314,210	352,398	417,759
Operating Expenses	492,857	505,533	580,372
Maintenance & Repairs	121,055	95,010	142,164
Administrative & General	72,769	82,770	98,121
Total Operating Expenses	1,000,891	1,035,711	1,238,416
Interest Expense			
Capital Outlay			
Debt Service			
Grand Total Expenses	1,000,891	1,035,711	1,238,416

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020**

130 - Lockhart WWTP

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET				
OPERATING REVENUES				
Wastewater Treatment				
41201	WW-OPR & MAINTENANCE	952,941	1,140,295	187,354
41202	WW-ADMINISTRATIVE & GENERAL	82,770	98,121	15,351
41207	WW-CREDIT TO CUSTOMER	(300,000)	(375,000)	(75,000)
	Total Wastewater Treatment	735,711	863,416	127,705
Misc Income				
45195	MISCELLANEOUS REVENUES	300,000	375,000	75,000
	Total Misc Income	300,000	375,000	75,000
	Total Operating Revenue	<u>1,035,711</u>	<u>1,238,416</u>	<u>202,705</u>
OPERATING EXPENSES				
Salaries				
51101	LBR-REGULAR WAGES	241,507	281,932	40,425
51102	LBR-OVERTIME	9,310	15,405	6,095
	Total Salaries	250,817	297,337	46,520
Benefits				
51298	BEN-BENEFIT ALLOCATION	101,581	120,422	18,841
	Total Benefits	101,581	120,422	18,841
Operating Supplies & Services				
52101	OPR-POWER & UTILITIES	188,520	225,004	36,484
52102	OPR-AUXILIARY POWER EXPENSE	5,200	6,825	1,625
52103	OPR-CHEMICALS	25,044	28,354	3,310
52110	OPR-SMALL TOOLS AND SUPPLIES	3,490	1,250	(2,240)
52113	OPR-LAB SUPPLIES	16,191	16,937	746
52114	OPR-LABORATORY SERVICES-GBRA	26,354	26,354	-
52115	OPR-LABORATORY SERVICES-OUTSOURCED	9,000	9,301	301
52118	OPR-DISPOSAL SERVICES	130,688	150,660	19,972
52120	OPR-UNIFORMS	4,440	4,440	-

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
52121 OPR-SAFETY & EMERGENCY EXPENSE	5,000	5,000	-
52122 OPR-SECURITY EXPENSE	3,600	4,000	400
52124 OPR-EQUIPMENT EXPENSE	3,780	3,780	-
52125 OPR-VEHICLE EXPENSE	7,280	7,180	(100)
52126 OPR-FLEET LEASE EXPENSE	1,200	10,800	9,600
52133 OPR-SCADA	-	2,800	2,800
Total Operating Supplies & Services	429,787	502,685	72,898
Professional Services and Fees			
52205 OPR-PROFESSIONAL SERVICES-OTHER	12,960	13,880	920
52217 OPR-INSPECTION FEES	23,520	23,520	-
52220 OPR-BANK FEES	500	-	(500)
52222 OPR-MEMBERSHIPS & PUBLICATIONS	720	720	-
52223 OPR-LICENSE & TRAINING	5,081	2,192	(2,889)
Total Professional Services and Fees	42,781	40,312	(2,469)
Office Expenses			
52301 OPR-OFFICE SUPPLIES	2,860	5,060	2,200
52302 OPR-COMPUTER SUPPLIES	3,725	4,475	750
52306 OPR-COMMUNICATIONS	6,600	6,600	-
Total Office Expenses	13,185	16,135	2,950
Other Operating Expenses			
52420 OPR-INSURANCE EXPENSE	19,300	21,000	1,700
52430 OPR-MISC EXPENSE	480	240	(240)
Total Other Operating Expenses	19,780	21,240	1,460
SUBTOTAL OF OPERATIONAL EXPENSES	857,931	998,131	140,200
Maintenance and Repair Equipment			
53101 M&R-EQUIPMENT	28,750	18,800	(9,950)
53110 M&R-CONTROL SYSTEMS	6,500	7,500	1,000
53115 M&R-METERS	1,100	12,364	11,264
Total Maintenance and Repair Equipment	36,350	38,664	2,314
Structures			
53201 M&R-BUILDING	5,500	31,000	25,500
53205 M&R-PUMPS AND MOTORS	10,100	10,550	450
53210 M&R-GATES AND VALVES	7,500	10,000	2,500
53220 M&R-CLARIFIERS	8,310	13,500	5,190
53237 M&R UV SYSTEM	-	10,000	10,000
Total Structures	31,410	75,050	43,640
Other Maintenance & Repairs			
53310 M&R-GROUNDS	17,500	20,500	3,000

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
53325	M&R-GENERAL MAINTENANCE	9,750	7,950	(1,800)
	Total Other Maintenance & Repairs	27,250	28,450	1,200
	SUBTOTAL OF M&R EXPENSES	95,010	142,164	47,154
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	82,770	98,121	15,351
	Total Administrative & General	82,770	98,121	15,351
	TOTAL OPERATING AND M&R EXPENSES	1,035,711	1,238,416	202,705
	Net Operating Income	-	-	-
	Net Change in Fund Balance	-	-	-



Lockhart WTP

The Lockhart Water Treatment Plant has been operated by GBRA since October 1, 2000, after selection by the City of Lockhart to serve as contract operator. GBRA employees operate the plant and are also responsible for the city's well system.

The plant's water source is the Carrizo Aquifer. The plant is designed to remove the high concentrations of iron dissolved in the water using oxidation followed by filtration. The water is then disinfected and blended with surface water supplied from the GBRA Luling Water Treatment Plant.

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- | | |
|--|---|
| <ul style="list-style-type: none">• Service Provided: Water Treatment• Location: Lockhart, TX• Startup Operation Date: 2000• Customer: City of Lockhart | <ul style="list-style-type: none">• Capacity: 4 MGD• # of gallons treated: 146,956,000• # of Current Employees: 3• Budgeted Revenue: \$807,648 |
|--|---|

Lockhart Division

Lockhart Water Treatment Plant System

Operating Plan for Fiscal Year ending 8/31/20

BACKGROUND

Three operators from the Lockhart Water Treatment Plant System are responsible for operating and maintaining the plant and ground water production facilities. Personnel from the Lockhart Wastewater Reclamation System assist in the operations and maintenance of the ground water system. All water and wastewater treatment activities are supervised by the Lockhart Operations Manager. Serving as facilitators to the Lockhart Operations team are the Division Manager-Hays and Caldwell Counties. Additional support will be received from the Seguin office in the form of engineering, electrical, purchasing and administrative functions.

REVENUE SOURCES AND TRENDS

After signing a contract with the City of Lockhart in September 2000, GBRA assumed the operation of the City's 4.0 million gallons per day (MGD) groundwater treatment plant and water wells on October 1, 2000. This contract provides that GBRA does not over-recover nor under-recover the costs of operating the System.

The following Work Plan and Budget is based on operating and maintaining the Lockhart Water Treatment Plant, booster station and seven water wells. The projected water production of the plant and seven wells for FY 2020 is 146.956 MG or 0.403 MGD. However, the total water needs for the City from all sources is estimated to be approximately 542.399 MG. The differential or additional water required by the City of Lockhart will be supplied by the GBRA surface water treatment plant located in Luling and delivered through the Luling/Lockhart Treated Water Delivery System. The budgeted FY 2020 operating revenue for the Lockhart Water Treatment Plant System is \$807,648 which is \$106,446 or 15.2% more than last year's budget and is based on a total estimated annual water treatment of 146,956,000 gallons or 146.956 MG. As described in the previous paragraph, the Lockhart WTP System is a cost of service operation and any year-over-year change in revenue is in a direct relationship to the changes in operating expenditures and capital improvements, for that year.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

Due to the nature of the GBRA and City of Lockhart contract, the operating expenditure budget for FY 2020 replicates the revenue budget and therefore also amounts to \$807,648. Two of the major operating expenses for the ensuing fiscal year are power and chemicals. Chlorine, liquid ammonium sulfate (LAS), orthophosphate, and fluoride are the primary chemicals required at the water treatment plant in order to properly treat and maintain the water quality in accordance with Texas Commission on Environmental Quality (TCEQ) requirements. Chlorine and LAS are used together as a disinfectant for the water. Orthophosphate is used as a corrosion inhibitor and as such, protects the City's distribution system and assures the delivery of high quality water. Fluoride is added pursuant to Texas Department of State Health Services Fluoridation Program recommendations. The total chemical budget for FY 2020 is \$37,742. Power will also be a major expense for the upcoming year amounting to \$54,360.

In order to meet public service needs through motivated employees, provide advanced training, and maintain and upgrade occupational licenses, personnel will attend courses provided by various approved sources such as Texas Engineering Extension Service and Texas Water Utility Association. Plant personnel will also conduct in-house training in team building skills, confined space rescue, hazard

communication, electrical safety and maintenance, first aid, and CPR. Other training will include computer software and personal development seminars.

FUND BALANCE

Funds for the above listed capital additions and maintenance projects as well as all of the other operating expenditures that are summarized in the following pages will be provided from revenues from the City of Lockhart. Since this division represents a contract operation in which GBRA does not over-recover nor under-recover its costs, the net change in fund balance for FY 2020 is \$0.



Staffing Summary

Lockhart WTP	# of Authorized Positions (FTE)		
	2018	2019	2020
Operators	3	3	3
Total	3	3	3

Changes from FY 2018 to FY 2019

No staffing changes for this division.

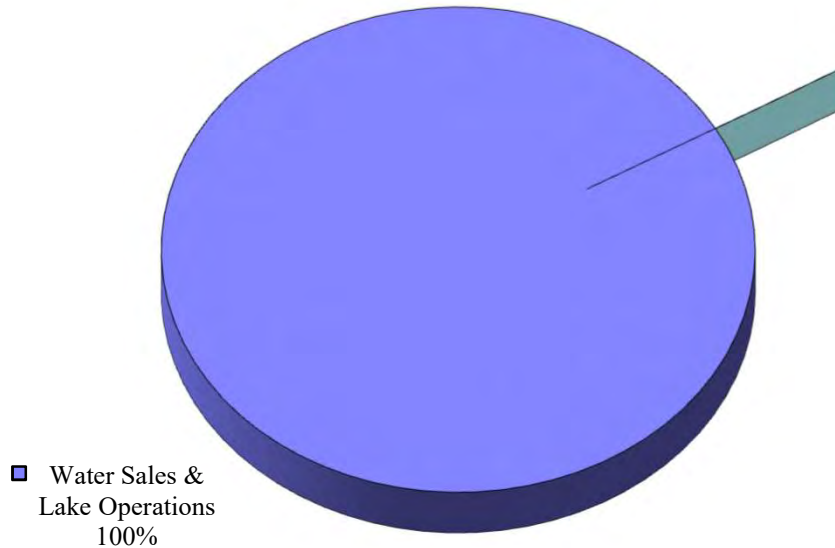
Changes from FY 2019 to FY 2020

No staffing changes for this division.



Budget Summary

REVENUES - Lockhart WTP

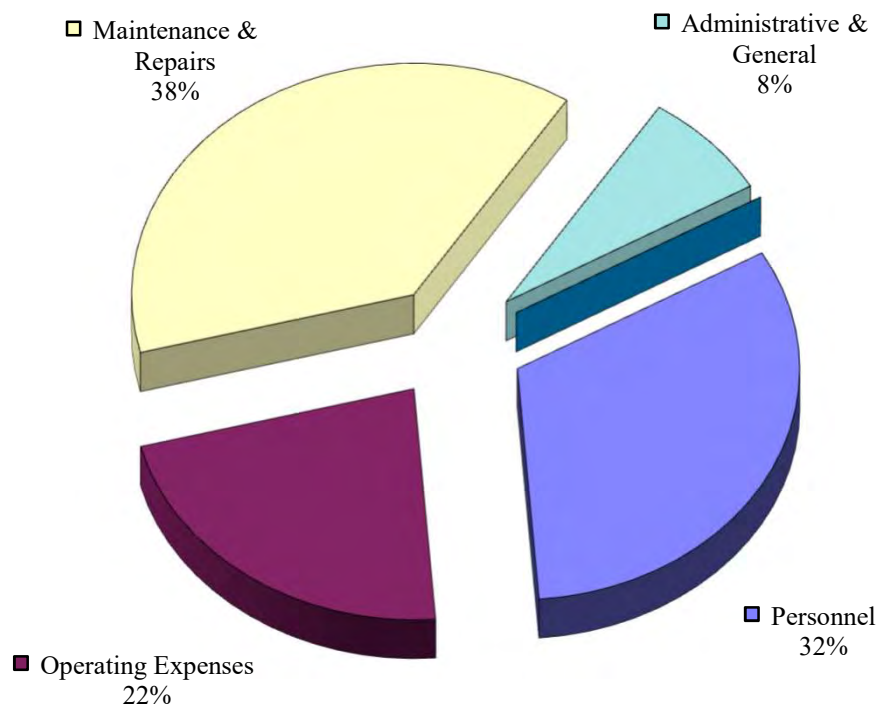


Revenues	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations	628,105	701,202	807,648
Recreation & Land Use			
Wastewater Services			
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income			
Total Operating Revenues	628,105	701,202	807,648
Interest Income	188		
Grand Total Revenues	628,293	701,202	807,648



Budget Summary

EXPENSES - Lockhart WTP



Expenses	FY 2018 Actual	FY 2019 Budget	FY 2020 Budget
Personnel	165,923	229,694	259,332
Operating Expenses	176,909	190,399	179,375
Maintenance & Repairs	246,804	227,160	308,030
Administrative & General	38,658	53,949	60,911
Total Operating Expenses	628,294	701,202	807,648
Interest Expense			
Capital Outlay			
Debt Service			
Grand Total Expenses	628,294	701,202	807,648

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2020**

131 - Lockhart WTP

		FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
OPERATING BUDGET				
OPERATING REVENUES				
Water Treatment				
41101	PLANT O&M	647,253.00	746,737.00	99,484.00
41102	PLANT A&G	53,949.00	60,911.00	6,962.00
	Total Water Treatment	701,202.00	807,648.00	106,446.00
	Total Operating Revenue	701,202.00	807,648.00	106,446.00
OPERATING EXPENSES				
Salaries				
51101	LBR-REGULAR WAGES	156,530.00	175,293.00	18,763.00
51102	LBR-OVERTIME	6,953.00	9,285.00	2,332.00
	Total Salaries	163,483.00	184,578.00	21,095.00
Benefits				
51298	BEN-BENEFIT ALLOCATION	66,211.00	74,754.00	8,543.00
	Total Benefits	66,211.00	74,754.00	8,543.00
Operating Supplies & Services				
52101	OPR-POWER & UTILITIES	63,468.00	54,360.00	(9,108.00)
52103	OPR-CHEMICALS	41,076.00	37,742.00	(3,334.00)
52110	OPR-SMALL TOOLS AND SUPPLIES	990.00	1,000.00	10.00
52113	OPR-LAB SUPPLIES	24,012.00	12,400.00	(11,612.00)
52114	OPR-LABORATORY SERVICES-GBRA	-	4,700.00	4,700.00
52115	OPR-LABORATORY SERVICES-OUTSOURCED	-	5,740.00	5,740.00
52120	OPR-UNIFORMS	3,324.00	3,502.00	178.00
52121	OPR-SAFETY & EMERGENCY EXPENSE	1,700.00	1,300.00	(400.00)
52122	OPR-SECURITY EXPENSE	4,008.00	4,000.00	(8.00)
52123	OPR-EQUIPMENT RENTAL	1,650.00	1,650.00	-
52124	OPR-EQUIPMENT EXPENSE	120.00	120.00	-
52125	OPR-VEHICLE EXPENSE	5,540.00	4,640.00	(900.00)
52126	OPR-FLEET LEASE EXPENSE	1,200.00	1,200.00	-
52133	OPR-SCADA	-	2,800.00	2,800.00

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
Total Operating Supplies & Services	147,088.00	135,154.00	(11,934.00)
Professional Services and Fees			
52205 OPR-PROFESSIONAL SERVICES-OTHER	4,320.00	4,320.00	-
52217 OPR-INSPECTION FEES	11,616.00	11,616.00	-
52222 OPR-MEMBERSHIPS & PUBLICATIONS	424.00	424.00	-
52223 OPR-LICENSE & TRAINING	3,050.00	2,700.00	(350.00)
52224 OPR-TRAVEL	1,400.00	-	(1,400.00)
Total Professional Services and Fees	20,810.00	19,060.00	(1,750.00)
Office Expenses			
52301 OPR-OFFICE SUPPLIES	2,100.00	2,100.00	-
52302 OPR-COMPUTER SUPPLIES	2,825.00	2,825.00	-
52306 OPR-COMMUNICATIONS	3,996.00	3,996.00	-
Total Office Expenses	8,921.00	8,921.00	-
Other Operating Expenses			
52420 OPR-INSURANCE EXPENSE	13,100.00	16,000.00	2,900.00
52430 OPR-MISC EXPENSE	480.00	240.00	(240.00)
Total Other Operating Expenses	13,580.00	16,240.00	2,660.00
SUBTOTAL OF OPERATIONAL EXPENSES	420,093.00	438,707.00	18,614.00
Maintenance and Repair Equipment			
53101 M&R-EQUIPMENT	6,600.00	3,900.00	(2,700.00)
53110 M&R-CONTROL SYSTEMS	22,650.00	13,900.00	(8,750.00)
53115 M&R-METERS	18,330.00	7,280.00	(11,050.00)
Total Maintenance and Repair Equipment	47,580.00	25,080.00	(22,500.00)
Structures			
53201 M&R-BUILDING	480.00	2,400.00	1,920.00
53205 M&R-PUMPS AND MOTORS	34,100.00	26,100.00	(8,000.00)
53210 M&R-GATES AND VALVES	17,500.00	4,000.00	(13,500.00)
53235 M&R-TRANSMISSION LINES	11,000.00	16,000.00	5,000.00
Total Structures	63,080.00	48,500.00	(14,580.00)
Other Maintenance & Repairs			
53302 M&R-WELLS	79,500.00	209,750.00	130,250.00
53310 M&R-GROUNDS	17,700.00	16,500.00	(1,200.00)
53325 M&R-GENERAL MAINTENANCE	19,300.00	8,200.00	(11,100.00)
Total Other Maintenance & Repairs	116,500.00	234,450.00	117,950.00
SUBTOTAL OF M&R EXPENSES	227,160.00	308,030.00	80,870.00
Administrative & General			

	FY 2019 BUDGET	FY 2020 BUDGET	FY 2020-2019 DIFFERENCE
54100 ADMINISTRATIVE & GENERAL	53,949.00	60,911.00	6,962.00
Total Administrative & General	53,949.00	60,911.00	6,962.00
TOTAL OPERATING AND M&R EXPENSES	701,202.00	807,648.00	106,446.00
Net Operating Income	-	-	-
Net Change in Fund Balance	-	-	-

Glossary

Term	Description
Acronyms	
A & G	Administrative & General
AACOG	Alamo Area Council of Governments
AEP-TCC	American Electric Power – Texas Central Company (formerly owned by Central Power & Light Company also known as CP&L)
AF	Acre Foot - quantity of water required to cover one acre to a depth of one foot and is equivalent to 43,560 cubic feet of about 326,000 gallons or 1,233 cubic meters.
BOD	Biochemical Oxygen Demand - the quantity of oxygen used in the biochemical oxidation of organic matter in a specified time and at a specific temperature. It is not related to the oxygen requirements in chemical combustion, being determined entirely by the availability of the material as a biological food and by the amount of oxygen utilized by the microorganisms during oxidation.
CAFR	Comprehensive Annual Financial Report
CBOD	Carbonaceous Biochemical Oxygen Demand
CCN	Certificate of Convenience and Necessity issued by TCEQ defines the boundaries of a water or wastewater service area.
CCP	Coletto Creek Park
CCR	Consumer Confidence Report - annual water quality reports or drinking water quality reports that summarize information regarding sources used (i.e., rivers, lakes, reservoirs, or aquifers), any detected contaminants, compliance and educational information. The reports are due to customers by July 1st of each year.
CFSA	Consolidated Farm Service Agency
CPE	Comprehensive Performance Evaluation
CRWA	Canyon Regional Water Authority
EDU	Equivalent Dwelling Unit
EPA	Environmental Protection Agency
F/T	Refers to a Full Time employee
FEMA	Federal Emergency Management Agency
FY	Fiscal Year - The twelve-month period between settlements of financial accounts.
GAAP	Generally Accepted Accounting Principles is a guide to help finance directors and others improve governmental financial reporting.
Gal.	A liquid measure, equal to four quarts (231 cubic inches).
GBRA	Guadalupe-Blanco River Authority
GFOA	Government Finance Officers Association
GIS	Geographic Information System
GPP	Guadalupe Power Partners, LTD
GPS	Geographic Positioning System - It is an instrument used to calculate geographic locations on the ground from a satellite.

Glossary

Term	Description
GUADCO MUD	Guadalupe County Municipal Utility District
GVEC	Guadalupe Valley Electric Cooperative
GVHD	Guadalupe Valley Hydro Division
H-4	Hydro Electric Dam #4
H-5	Hydro Electric Dam #5
HDQTRS	Headquarters
HUD	Housing And Urban Development
IFIM	Instream Flow Incremental Methodology
IH	International Harvester
K W H	Kilowatt Hour, a unit of electrical energy or work, equal to that done by one kilowatt acting for one hour.
KV	Kilovoltage
L. O. I.	Letter of Intent
LWRA	Lakewood Recreation Area
M	A Roman Numeral for a mathematical unit of measure equaling one thousand (1000).
M & R	Maintenance & Repair
MGD	Million Gallons per Day
MUD	Municipal Utility District
N. T. U.	Nephelometric Turbidity Units - Nephelometric is a unit of measure. Turbidity can be determined for any water sample that is free of debris and rapidly settling coarse sediments.
NBU	New Braunfels Utilities
NELAP	National Environmental Laboratory Accreditation Program
NRCS	Natural Resources Conservation Service
NWRA	National Water Resources Association
OP	Relating to operating equipment
OVT	Overtime
P. D.	Project Development
P/T	Refers to a Part Time employee
P/U	Pick Up Truck
PC	Public Communications
PEC	Perdenales Electric Cooperative
PLWTP	Port Lavaca Water Treatment Plant
POC	Port O'Connor - abbreviation of a city in Texas
PUC	Public Utilities Commission
RFI'S	Request For Information - a Public Communication function answering requests from inquiring people outside the river authority.
RTU	Remote Terminal Unit – used to transmit data via radio between remote locations and the central control room.
RUD	Rural Utilities Division
RW	Rural Water

Glossary

Term	Description
RWDS	Raw Water Delivery System
RWS	Rural Water System
S.B. OR SB-#1	Relating to any Senate Bill affecting river authorities or relating to a specific bill number.
SCADA	Supervisory Control and Data Acquisition
SCS	Soil Conservation Service
SISD	Seguin Independent School District
SMRWDS	San Marcos Raw Water Delivery System
STA.	Staff Technical Assistance
SWB	Salt Water Barrier - a fabricated-dam constructed of heavy gauge rubber placed near the mouth of a river near the ocean to keep salt water from infecting fresh water.
TAES	Texas Agricultural Extension Service
TCEQ	Texas Commission on Environmental Quality
TEEX	Texas Engineering Extension Service
TOC	Total Organic Carbon
TP-4	Texas Power Dam #4
TPWD	Texas Parks and Wildlife Department
TMDL	Total Maximum Daily Load
TSS	Total Suspended Solids
TWCA	Texas Water Conservation Association
TWDB	Texas Water Development Board
TWUA	Texas Water Utilities Association
TWUA-LAS	Texas Water Utilities Association Laboratory Analyst Section
VOE	Vocational Office Education
VSS	Volatile Suspended Solids
W. A.	Work Authorizations
WAN	Wide Area Network
WDS	Water Delivery System
WIP	Work In Progress
W/S	Water Sales
WSC	Water Supply Corporation
WTP	Water Treatment Plant
WWR	Waste Water Reclamation
WWT	Waste Water Treatment
WWTP	Waste Water Treatment Plant

Glossary

Term	Description
Definitions	
ACRE FOOT	(AC-FT, acre-ft) quantity of water required to cover one acre to a depth of one foot and is equivalent to 43,560 cubic feet of about 326,000 gallons or 1,233 cubic meters.
ADMINISTRATIVE	An organization's structural form and its ability to implement strategic planning.
AMORTIZATION	The systematic reduction of a debt according to a stated maturity or redemption schedule.
AQUATIC	Growing or living in or upon water, such as plants and/or animals.
ARBITRAGE	The gain that may be obtained by borrowing funds at tax-exempt rates and investing those funds at taxable rates.
BOND	A debt obligation to repay principal and interest on specified future dates.
BOND COUNSEL	The bond counsel is a law firm which specializes in municipal and tax law. The bond counsel provides its legal opinion that assures investors that the debt being issued represents a valid and legally binding contract.
BOND INSURER	A bond insurer unconditionally guarantees bondholders the timely payment of all principal and interest in return for a single premium payment upon the sale of the debt.
BOND ISSUANCE COSTS	The costs incurred by the bond issuer during the planning, marketing and sale of a bond issue.
CAPITAL APPRECIATION BOND	A bond that does not have an interest rate but rather is sold at a deep discount yielding a return that is the difference between the bond sale price and the bond redemption value.
CHLORAMINE	Compound of chlorine and ammonia used as a primary disinfecting agent in water treatment process.
CHLORINE	A chemical applied to water for purposes of disinfecting
CLEAN RIVERS PROGRAM (CRP)	A program coordinated with Texas Natural Resources Conservation Commission (TNRCC) to work with river authorities to monitor and survey water quality issues within each river basin and specific to that river basin.
DAM	A structure of earth, rock or concrete designated to impound the flow of a river or stream and form a basin, pond, lake, or reservoir.
DEBT	An organization's overall debt burden and its capital improvement planning program.
DEBT SERVICE	Principal and interest requirements on an outstanding bond.
DEBT SERVICE RESERVE FUND	A fund used to pay debt service if pledged revenues are insufficient to make the required payments as they become due.
DEFEASANCE	A legal defeasance requires the establishment of an irrevocable trust with sufficient cash or U.S. Government securities to pay all principal and interest through the bond call date.

Glossary

Term	Description
DEPRECIATION	Reduction of an asset's original cost by a fixed percentage based on its estimated life.
DEWATERING	The part of the process whereby sludges are reduced in volume and converted from a liquid to a solid product.
DISCOUNT	The difference between a bond's par value and its sale price when the latter is less than par.
ECONOMIC	An organization's service base diversity.
EDWARDS AQUIFER	A limestone geologic formation located in central Texas that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.
EFFLUENT	Wastewater or other liquid, partially or completely treated, or in natural state, flowing out of a reservoir, basin, treatment plant or part thereof.
ENTERPRISE FUNDS	Enterprise funds are used to account for operations (a) that are financed and operated in a manner similar to private business enterprises – where the intent of the governing body is that the costs (expenses, including depreciation) of providing goods or services to the general public on a continuing basis be financed or recovered primarily through user charges; or (b) where the governing body has decided that periodic determination of revenues earned, expenses incurred, and/or net income is appropriated for capital maintenance, public policy, management control, accountability, or other purposes.
ENVIRONMENTAL SAMPLES	The collection of material that influences the conditions affecting the life and development of an organism in water.
EXPENSE	Costs that have been incurred in the process of producing revenue.
FAIR VALUE	A rational and unbiased estimate of the potential market price of a good, service, or asset. It takes into account such objective factors as: acquisition/production/distribution costs, replacement costs, or costs of close substitutes.
FENDER BOARD	One of a series of boards attached to the downstream section of a spill gate. It is a sacrificial board that protects the downstream section from trees and debris that go over the gates when they are in the down position during high flow events.
FINANCIAL ADVISOR	A financial advisor provides expertise to the debt issuer in matters of alternative financial structures, the marketing and sale of the debt and the preparation of disclosure documents.
FLOW	The rate of water discharged from a source given in volume with respect to time.
FUNDS	Sum of money available after all revenue and other sources of money are received less expenses and other uses of funds are paid.
GENERAL COUNSEL	In-house general counsel advises the GBRA Board of Directors and GBRA management and staff on a wide range of legal issues related to corporate and regulatory matters.

Glossary

Term	Description
GROUND WATER	Water obtained from subsurface sources, such as sands and gravel or porous or fractured rocks.
HEXANE	A solvent used to extract oils, fats, and greases from water samples in the analysis for those constituents.
HYDROELECTRIC PLANT	Electricity generation using stream flow or reservoir releases to turn turbines and generators in a plant located in a dam.
INFLOW AND INFILTRATION	Refers to the quantities of water that enter the sewer system either from the ground through such means as defective pipes, pipe joints, connections, manholes or other sources of entry such as, but not limited to roof leaders, cellar drains, yard drains, area drains, drains from springs and swampy areas, catch basins, cooling towers, storm waters, surface runoff, street wash waters, or drainage.
ION CHROMATOGRAPH	An instrument used to detect and measure the ions in water.
KIDFISH	Program created by the river authority to interact children with parents on a fishing outing.
MAINTENANCE	The upkeep necessary for efficient operations of physical properties. It involves labor and materials but is not to be confused with replacement or retirement.
MARK-TO-MARKET	"Mark-to-market" or fair value accounting refers to accounting for the "fair value" of an asset or liability based on the current market price, or for similar assets and liabilities, or based on another objectively assessed "fair" value.
MONITORING	The measurement, sometimes continuous, of water or wastewater quality.
OPTIMIZATION	The concept of operating a water treatment plant to produce a higher quality of treated water than is required by current regulations.
OUTFITTER	A business that provides equipment, supplies, and often trained guides for activities such as rafting, tubing, hunting, hiking, etc.
PAYING AGENTS/REGISTRARS	A paying agent receives from the issuer funds for periodic debt service payments and disburses these funds to bondholders. The registrar maintains a record of bond ownership so that timely payments may be made to those bondholders.
PEAK	The maximum momentary quantity placed on a water or wastewater plant, pumping station, or on an electric generating plant.
PH	Natural waters have a pH typically between 6.5-8.5. The concentration is the mass of hydrogen ions, in grams per liter of solution.
POTABLE WATER SUPPLY FACILITIES	A facility that treats raw water making it drinkable for the public.
POTASSIUM PERMANGANATE	A disinfectant used when necessary to improve taste and odor of the finished water. Also, a controlling agent to prevent biological growth in transmission pipes.

Glossary

Term	Description
RATING AGENCY	A rating agency is a private corporation that assigns a creditworthiness rating to new bond issues upon their review of financial disclosures provided by the issuer.
RAW WATER	Water obtained from natural sources such as streams, reservoirs and wells; always contains impurities in forms of suspended or dissolved material or organic matter and as dissolved gases acquired from contact with earth and atmosphere.
RECLAMATION	The process of recovering water to a quality where it can be reused.
RESERVOIR	A pond, lake, or basin, either natural or artificial, for the storage, regulation, and control of water.
REVENUE	Gross increase in capital attributable to business activities resulting from the sale of merchandise, performance of services, rental of property, and other activities entered into for the purpose of earning income.
RIVER BASIN	Total area drained by a river and its tributaries.
SLUDGE	The accumulated solids separated from liquids, such as water or wastewater during processing, or deposits on bottoms of streams or other bodies of water.
SOURCES OF FUNDS	Money received from bank loans, bond issuance, or inter-department loans.
SUBORDINATION RATE	Rate we charge when allowing another water user to get a state water rights permit predicated on the non-use of one of GBRA's water rights permits.
SURFACE WATER	Natural sources, such as rivers and lakes
TEXAS WATCH	A volunteer program to monitor the quality of a body of water.
TRANS-TEXAS	A regional plan to study the transfer of water from one river basin to another.
TRICKLING FILTER	A treatment process unit consisting of an artificial bed of coarse material, such as broken stone, clinkers, slate, slats, brush or plastic materials, over which wastewater is distributed or applied in drops, films, or spray from troughs, drippers, moving distributors or fixed nozzles and trough which it trickles to the underdrains, giving opportunity for the formation of slimes that clarify and oxidize the wastewater.
TRUSTEE	A trustee represents the interest of bondholders in debt financing. The role of the trustee is to monitor the collection, investment and timely repayment of funds identified in the debt financing.
UNDERWRITER	An underwriter is a municipal securities dealer that purchases a new municipal bond issue for resale to investors.
UNDERWRITER COUNSEL	An underwriter counsel is a law firm specializing in municipal and tax law that represents the interests of the underwriter during the structuring of a financing.

Glossary

Term	Description
USES OF FUNDS	Money spent toward the purchase fixed assets, project development, work in progress, inter-fund loan payments, or outside debt payments.
VIRTUALIZATION	Virtualization refers to technologies designed to provide a layer of abstraction between computer hardware systems and the software running on them. At GBRA we've invested in server virtualization. Server virtualization is a virtualization technique that involves partitioning a physical server into a number of virtual servers with the help of virtualization software. Each virtual server runs its own operating system and applications, and looks and behaves like a physical server, multiplying the capacity and increasing the resource utilization of the physical server.
WASTEWATER	Flow of used water from a community. It may be a combination of the liquid and water-carried wastes from residences, commercial building, industrial plants, and institutions, together with any groundwater, surface water and storm-water that may be present.
WATER CONSERVATION	In its broadest use the protections, development, and efficient management of water resources for beneficial purposes. Measures that are intended to improve water use efficiency, increase water reuse and recycling, or minimize the waste of water so that water supplies are conserved and made available for future and alternative uses.
WATER QUALITY	Fitness of water for use, being affected by physical, chemical, and biological factors.
WATER RIGHTS	A legally protected right, granted by the law, to take possession on water occurring in a water supply and to divert the water and put it to beneficial use.
WORKING CAPITAL	The amount of current assets that exceeds current liabilities.

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