

GUADALUPE-BLANCO RIVER AUTHORITY

WORK PLAN AND BUDGET

Fiscal Year Ending August 31, 2019



Seguin, Texas

GUADALUPE-BLANCO RIVER AUTHORITY

WORK PLANS AND BUDGETS

Fiscal Year Ending August 31, 2019

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Randy Staats
Executive Manager of Finance/Chief Financial Officer
Vanessa Guerrero
Executive Manager of Administration

Guadalupe-Blanco River Authority

Fiscal Year 2019 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	042	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
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
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 2019 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. With new executive leadership joining GBRA in 2016 and the continued growth in the entire basin, a comprehensive update of GBRA’s Strategic Plan was completed in FY 2018 and an outline is presented in the document. In developing the FY 2019 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 2019 financial highlights and following the highlights are elements of the FY 2019 Work Plan and Budget organized around the strategic priorities proposed in the Strategic Plan.

I. HISTORICAL REVIEW

The Texas Legislature created the Guadalupe-Blanco River Authority in 1935 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” 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 during FY 2019, GBRA continues to monitor the construction followed by operation of new wastewater treatment plants in the Park Village and Four S Ranch Developments in Comal County. These new plants are located in a rapid growth area that is just north of San Antonio near the Hwy 46 and 281 interchange. During FY 2019 GBRA will begin 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. 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 directives 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 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 23.-25, 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 budgeted and non-budget purchases based on pre-approved spending levels. These spending levels are shown later in the Staffing Summary section on pages 28-29.

A net increase of nineteen and a half positions is included in the Work Plan for FY 2019 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 2019 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, 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. Funds are also included 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. This budget establishes funding for GBRA's financial and human resource management software. Continued funding is also included for ongoing security enhancements to minimize exposure to unsolicited system intrusions, strengthening of GBRA's database and SCADA capabilities, and improving systems to enhance 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 in the process of establishing a fleet program that serves all divisions through a consistent vehicle use charge. Through this process GBRA can better manage all vehicle assets based on lifetime costs and pass this benefit to all customers.

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 5.55¢ per kilowatt-hour assuming average annual generation. Even at this rate, which generally exceeds average market electricity pricing, the hydroelectric division cannot always generate enough revenue to fund operations as well as a multi-million dollar repair and replacement program needed for its aging infrastructure. Recognizing this significant issue for long-term sustainability of the division, GBRA has begun initiatives to enhance existing revenue streams as well as develop other funding sources for the GV hydroelectric system.
- 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.
- D. Significant projects are scheduled during FY 2019 within the Hydroelectric Division. These include design of a new gate system at H5, turbine inspections at each of the dams, spill gate inspections, electrical transmission line repairs and maintenance, pole replacements, structural and erosion repairs on dams and levees, SCADA upgrades, "fender board" replacements, and power house painting.

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.

- 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.
- D. Monthly sewer rates are scheduled to increase by 10% to \$57 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. 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 MUD.
- 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. A significant project is budgeted to occur in the Western Canyon Water Treatment Plant Division during 2017-2019 related to mitigating disinfection by-products that occasionally occur in the treatment of surface water. The \$3,500,000 project will mitigate the potential development of these by-products by providing aeration of the treated water before it is piped to the customers of the plant.
- 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 \$147 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 2019. Programs that will be an emphasis in the FY 2019 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 and the Lower Basin Water Supply Project firming up run-of-river water rights in the river.

- 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 2019 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, 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 significant rehabilitation. GBRA is in the preliminary

design process for replacement of this facility. 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 2019 is \$1,306,238.
- 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 total revenue budget for this pipeline for the 2019 fiscal year is \$564,885.
- O. In the Calhoun County Rural Water Supply Division, projects to improve system efficiency will continue. GBRA staff will utilize touch-read or radio-control transmitting meters for all new meter installations and upgrade the Six Mile Station, Bay Meadows and Ocean Drive portion of the system.
- 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. The staff will also be working with county officials and local developers in Comal County to assist in the construction of wastewater treatment plants to serve the rapidly growing area surrounding the City of Bulverde.
- Q. Due to the rapid growth in the northern part of the river basin, a number of road expansion projects are under development by TxDOT. Several of these projects will require some GBRA water supply pipelines to be relocated.

Recreation and Tourism Development

- A. GBRA operates three park facilities, including the Coletto 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 this river basin.

- B. The Guadalupe Recreation System and the Guadalupe Valley Hydroelectric Division hosts the Texas Electric Lineman Rodeo in July. The rodeo 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 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. Staff members are specifically involved in tourism-related activities in Luling, Gonzales, Victoria, Boerne, and Goliad as well as the area near Canyon Reservoir and on the San Marcos River where "tubing" is a popular past time. 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 sufficient time at training programs and conferences.
- B. GBRA will also continue to emphasize its safety, health and wellness programs.
- C. The contribution to the GBRA Employees Retirement Plan is budgeted to remain relatively stable at approximately 12% of total payroll during the coming year. GBRA did alter its retirement benefit to all employees hired after January 1, 2011 from a Defined Benefit Pension Plan to a Defined Contribution Plan. 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 from \$4,770,966 in FY 2018 to \$5,273,925 in FY 2019.

VII. BUDGET FORMATS

GBRA is comprised of ten separate operating divisions and 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 31-32 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, and Lockhart Water 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 "not so positive".

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 in FY 2019.

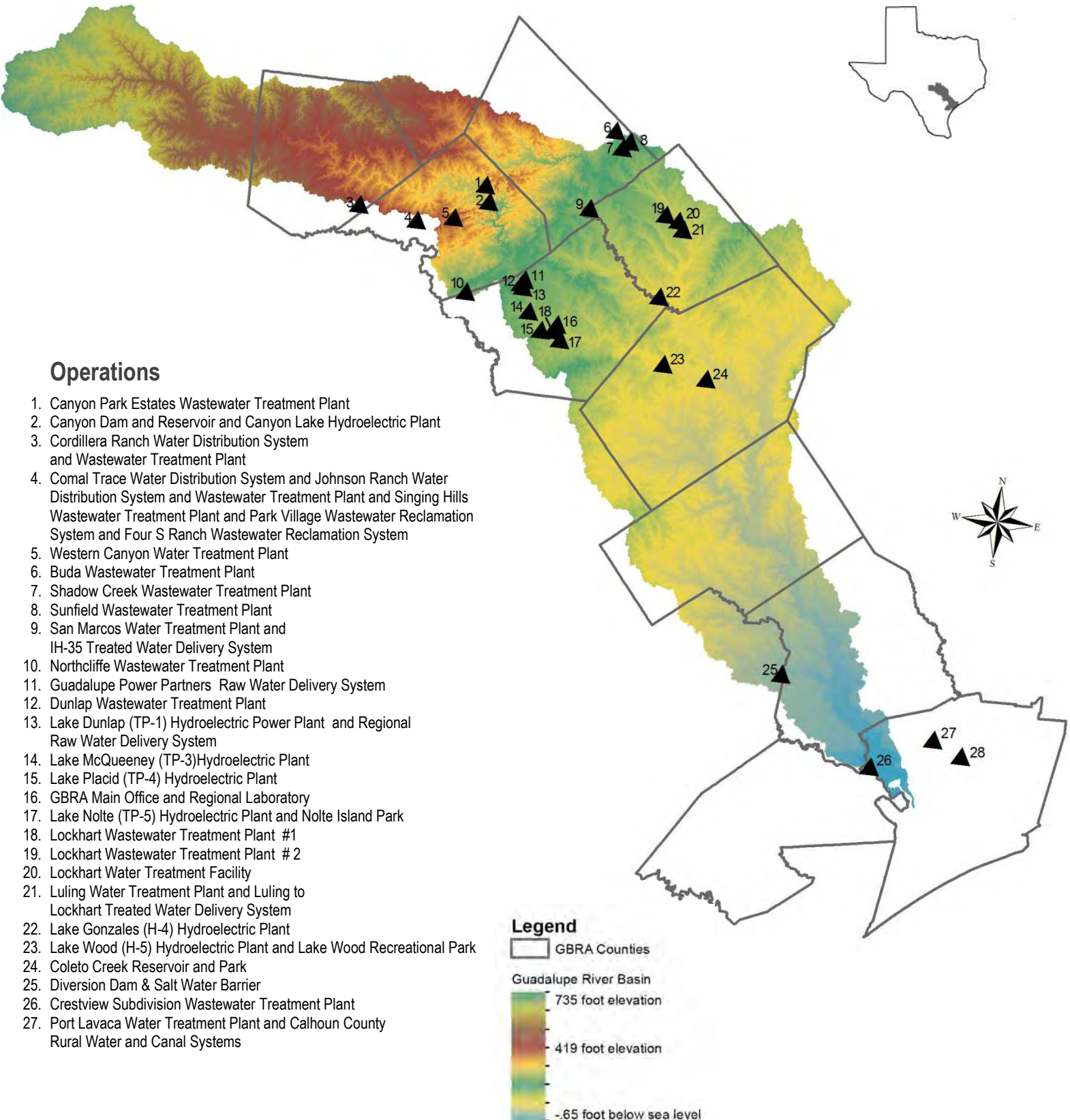
VIII. STATISTICAL & FINANCIAL DATA

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 48-55 in the Financial Summary section summarizes GBRA's existing and proposed rates. The rates listed for FY 2019 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 2018 to FY 2019 are lightly 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

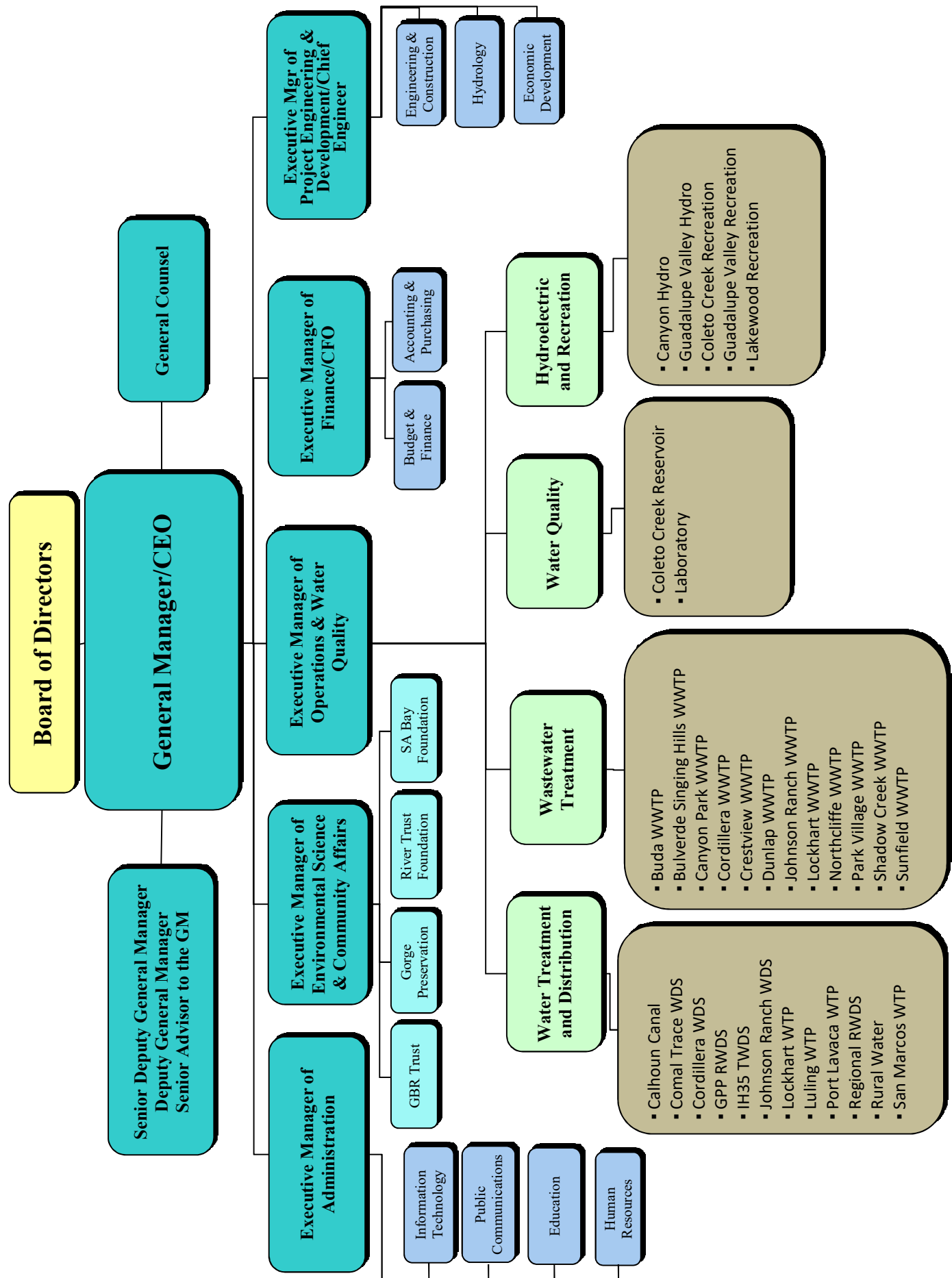
Created under..... Vernon's Civil Statutes, Article 8280-106
 Year Created 1935
 Domicile New Braunfels, Texas
 Last Revision of Enabling Act..... 1975
 Last Revision of Bylaws 2012
 Population of District..... 624,049
 Area of District 7,300 square miles
 Average Annual Rainfall of District..... 33.02 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
Coleto Creek Park Customers
Lake Wood Recreational Park Customers
Nolte Island Park Customers
Regional Laboratory Customers
Calhoun County Rice Farmers

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
Coleto 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 2015	FY 2016	FY 2017	FY 2018	FY 2019
Water Treatment Customers:					
<i>Total Retail Water Distributed (Gal.)</i>					
Calhoun County Rural Water Division	72,753,000	81,715,000	79,187,000	77,639,000	77,639,000
Cordillera WDS	92,683,800	123,929,500	139,228,100	119,905,000	180,000,000
<i>Total Water Treated (Gal.)</i>					
Lockhart Water Treatment Plant	522,285,000	544,955,000	546,343,000	579,822,000	542,399,000
Luling Water Treatment Plant	638,074,000	654,244,000	668,198,000	678,250,000	660,827,000
Port Lavaca Water Treatment Plant	715,451,000	693,981,000	626,247,000	692,290,000	692,290,000
San Marcos Water Treatment Plant	3,619,286,000	3,627,098,000	3,261,793,000	3,676,760,000	2,255,510,000
Western Canyon Water Treatment Plant	3,302,315,000	3,641,065,000	3,737,741,000	3,650,000,000	3,613,500,000
Wastewater Treatment Customers:					
<i>Total Wastewater Treated (Gal.)</i>					
Buda Wastewater Treatment Plant	426,560,000	435,200,000	412,900,000	509,000,000	496,000,000
Crestview Subdivision WWTP	3,306,682	2,041,000	2,150,000	2,204,000	2,300,000
Lockhart Wastewater Reclamation System	483,600,000	491,710,000	451,010,000	444,160,000	441,080,000
Rural Utilities Division	239,900,000	229,200,000	190,500,000	230,000,000	230,000,000
Shadow Creek WWTP	56,050,000	62,850,000	64,880,000	76,200,000	73,730,000
Sunfield Wastewater Treatment Plant	41,670,000	36,710,000	44,800,000	63,880,000	63,880,000
Water Sales Customers:					
<i>Rice Irrigation First Crop (Acres)</i>					
Calhoun Canal System	--	1,074	--	--	--
<i>Water Delivered (Gal.)</i>					
Guadalupe Power Partners RWDS	1,224,249,900	1,239,957,000	1,029,213,000	1,124,510,000	1,124,510,000
IH 35 TWDS	950,832,000	924,437,000	1,059,993,000	1,402,924,000	1,854,565,000
Regional RWDS	4,525,209,000	4,803,160,000	4,032,457,000	4,211,811,000	5,205,114,000
Lu-Lo TWDS				675,925,000	410,735,000
Power Sales:					
<i>Total Generation (kWh)</i>					
Guadalupe Valley Hydroelectric Division	37,271,300	68,045,400	63,024,500	62,225,000	62,225,000
Canyon Hydroelectric Division	4,256,771	22,657,028	17,949,565	25,210,000	14,318,834

Operating Statistics

Operating Statistics (cont.)	Actual			Budget	
	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Other Services:					
<i>Annual Permits</i>					
Coletto Creek Regional Park	273	285	265	350	286
Lake Wood Recreational Park	10	5	3	--	1
<i>Camping Permits</i>					
Coletto Creek Regional Park	13,136	14,514	13,850	18,500	10,752
Lake Wood Recreational Park	4,031	2,214	3,140	4,500	3,103
<i>Cabin Permits</i>					
Coletto Creek Regional Park	923	990	623	1,200	637
<i>Day Use Permits</i>					
Coletto Creek Regional Park	17,455	18,417	17,607	21,000	17,736
Lake Wood Recreational Park	3,746	2,697	2,064	2,500	2,064
<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>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>Springs Hill WWTP</i> budget to City of Seguin
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 18^t	Review proposed budgets with GBRA Board
August 15	Board scheduled to approve 2019 budgets

MEMORANDUM

Date: September 1, 2018
To: GBRA Employees
From: Kevin Patteson, General Manager/CEO
Subject: Holidays Fiscal Year 2019

Listed below are the holidays scheduled for Fiscal Year 2019.

Holidays

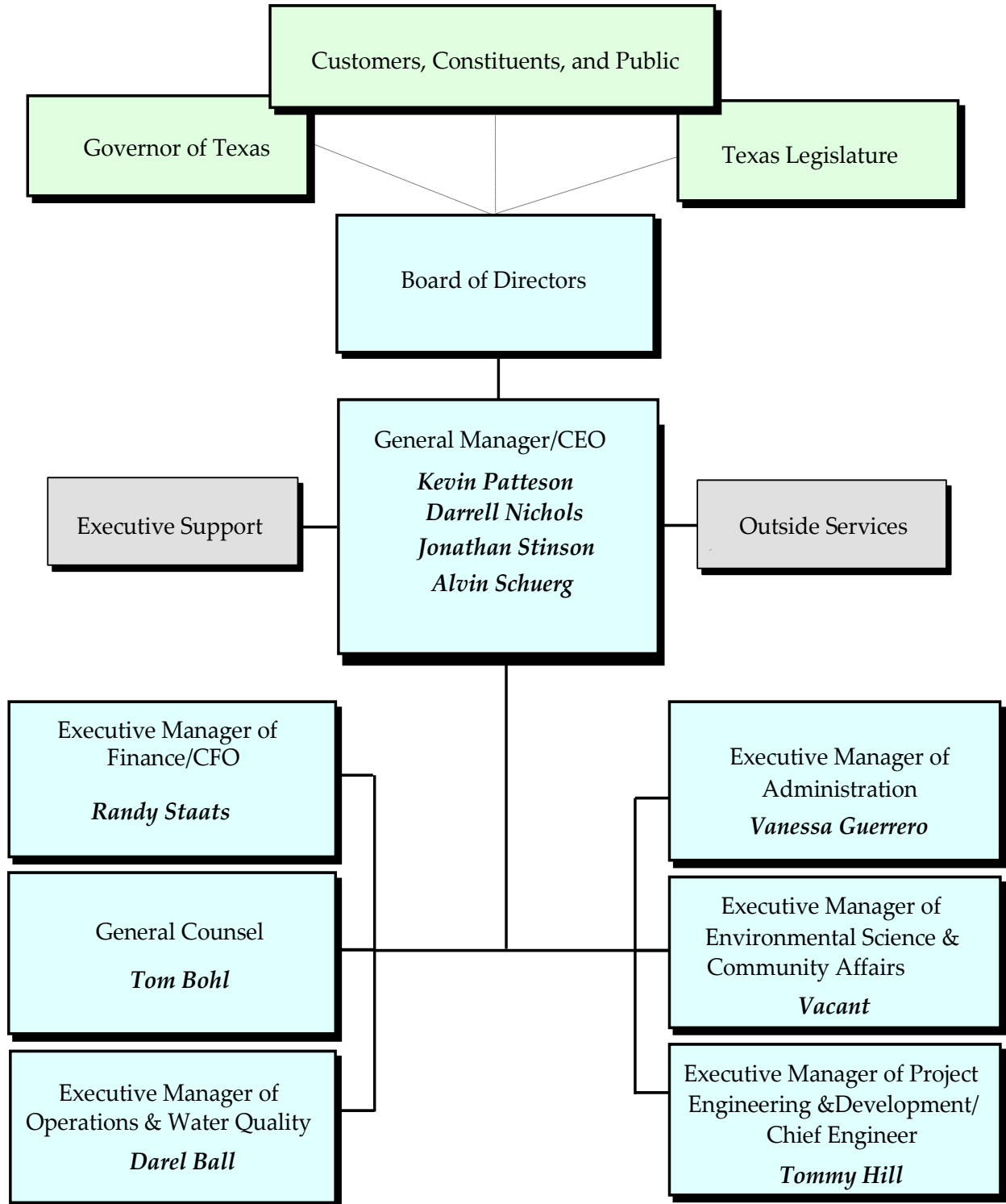
Labor Day	Monday	September 3, 2018
Thanksgiving	Thursday	November 22, 2018
Thanksgiving	Friday	November 23, 2018
Christmas	Monday	December 24, 2018
Christmas	Tuesday	December 25, 2018
Christmas	Wednesday	December 26, 2018
New Year's	Monday	December 31, 2018
New Year's	Tuesday	January 1, 2019
Floating Holiday	Monday	January 21, 2019
Good Friday	Friday	April 19, 2019
Memorial Day	Monday	May 27, 2019
Independence Day	Thursday	July 4, 2019

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



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GBRA Organizational Chart



GBRA Board of Directors



Rusty Brockman, Chair
Comal County
Reappointed 2018, Gov. Greg Abbott



Dennis L. Patillo, Vice-Chair
Victoria County
Reappointed: 2016, Gov. Greg Abbott



Don B. Meador, Secretary/Treasurer
Hays County
Appointed: 2013, Gov. Rick Perry



Ronald J. Hermes, Director
Guadalupe County
Appointed: 2016, Gov. Greg Abbott



Stephen B. "Steve" Ehrig, Director
Gonzales County
Appointed: 2018, Gov. Greg Abbott



Oscar H. Fogle, Director
Caldwell County
Reappointed 2018, Gov. Greg Abbott



Kenneth Motl, Director
Calhoun County
Reappointed 2018, Gov. Greg Abbott



William R. Carbonara, Director
DeWitt County
Appointed: 2013, Gov. Rick Perry



Tommy Mathews, 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

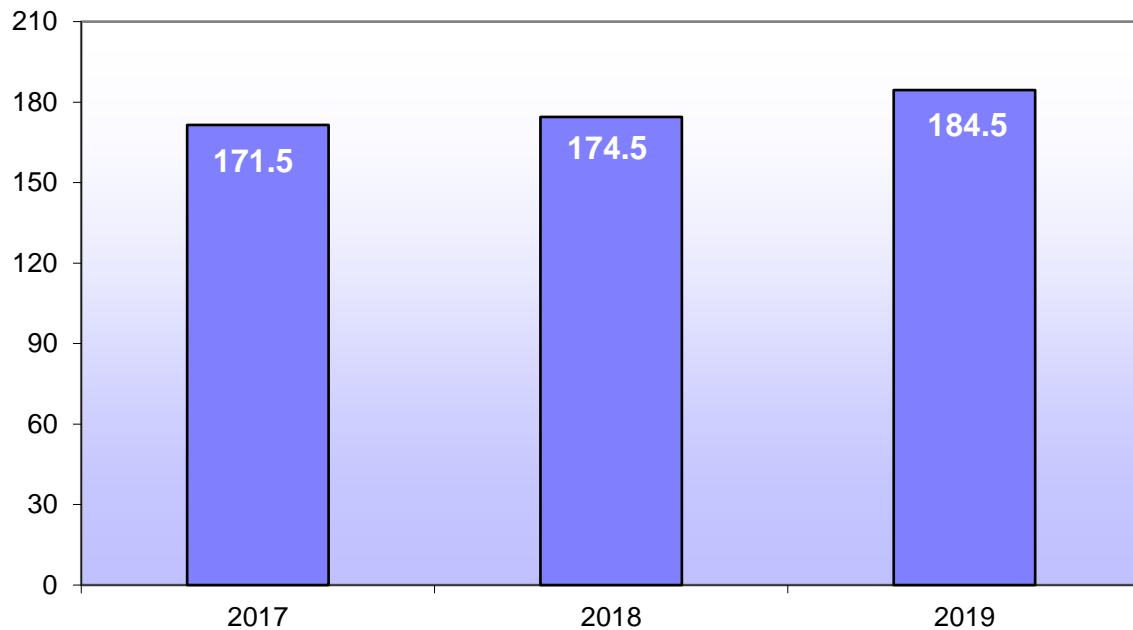
NAME	POSITION	TERM EXPIRES	COUNTY REPRESENTING
Rusty Brockman	Chair	2/1/23	Comal
Dennis L. Patillo	Vice-Chair	2/1/21	Victoria
Don B. Meador	Sec/Treas	2/1/19	Hays
Oscar H. Fogle	Director	2/1/23	Caldwell
Kenneth A. Motl	Director	2/1/23	Calhoun
William R. Carbonara	Director	2/1/19	Dewitt
Stephen B. “Steve”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

Executive Team

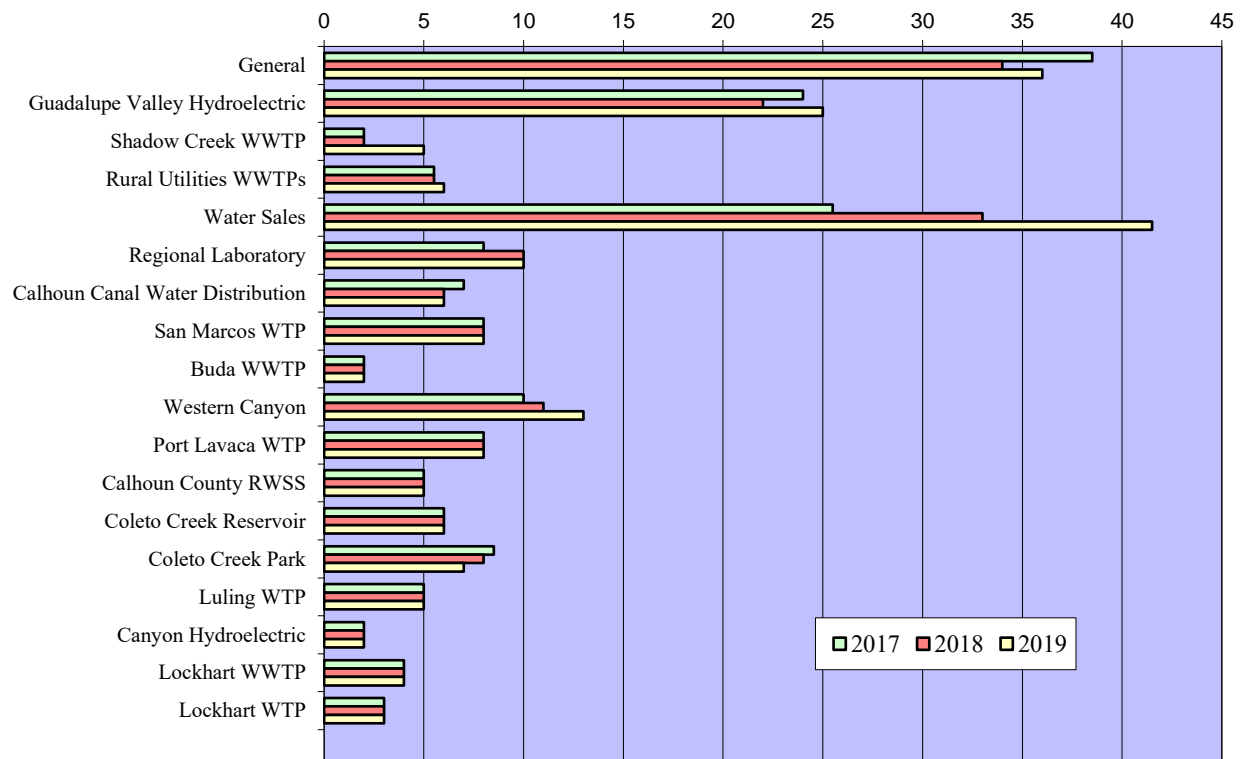
NAME	POSITION
Kevin Patteson	General Manager/CEO
Darrell Nichols	Senior Deputy General Manager
Jonathan Stinson	Deputy General Manager
Alvin Schuerg	Senior Advisor to the General Manager
Tom Bohl	General Counsel
Darel Ball	Executive Manager of Operations & Water Quality
Randy Staats	Executive Manager of Finance/CFO
Thomas Hill	Executive Manager of Project Engineering & Development/Chief Engineer
Vanessa Guerrero	Executive Manager of Administration
Vacant	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)
	2017	2018	2019	
General	38.5	34	36	2
Guadalupe Valley Hydroelectric	24	22	24	2
Shadow Creek WWTP	2	2	4	2
Rural Utilities WWTPs	5.5	5.5	6	0.5
Water Sales	25	33	35.5	2.5
Regional Laboratory	8	10	10	0
Calhoun Canal Water Distribution	7	6	6	0
San Marcos WTP	8	8	8	0
Buda WWTP	2	2	2	0
Western Canyon	10	11	13	2
Port Lavaca WTP	8	8	8	0
Calhoun County RWSS	5	5	5	0
Coletto Creek Reservoir	6	6	6	0
Coletto Creek Park	8.5	8	7	-1
Luling WTP	5	5	5	0
Canyon Hydroelectric	2	2	2	0
Lockhart WWTP	4	4	4	0
Lockhart WTP	3	3	3	0
Total	171.5	174.5	184.5	10

Changes from FY 2017 to FY 2018

1-Senior Advisor to the General Manager was added in General; 1-Assistant General Counsel was added in General; ½-Administrative Technical Specialist changed from P/T to F/T in General.

1-Engineer position was added in Water Sales; 2-Removed Upper and Lower Basin Operation Managers in Water Sales; ½-Seasonal Ranger was removed in Water Sales.

1-Maintenance Technician position was added for the Western Canyon WTP.

½-Seasonal Ranger was removed in Coletto Creek Recreation.

Changes 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 Consultants were removed in GV Hydroelectric; 1-Maintenance Crew positions were 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 Coletto Creek Recreation.

Authorized Spending Levels

Budgeted Purchases

Over \$25,000	
General Manager/CEO	Executive Manager of Administration
Senior Deputy General Manager	Executive Manager of Environmental Science & Community Affairs
Deputy General Manager	Executive Manager of Finance/CFO
Senior Advisor to the General Manager	Executive Manager of Operations & Water Quality
General Counsel	Executive Manager of Project Engineering & Development/Chief Engineer

Up to \$25,000	
Assistant General Counsel	Deputy Executive Manager of Operations & Water Quality
Deputy CFO-Accounting & Purchasing	Manager of Project Engineering
Deputy CFO-Finance & Administration	Project Manager

Up to \$10,000	
Accounting Manager	Exec. Director of Guadalupe-Blanco River Trust
Communications Manager	Exec. Director of SA Bay Foundation
Deputy Division Manager – Hydroelectric & Rural Utilities	Human Resources Manager
Division Manager – Calhoun/Refugio Operations	Plant Managers
Division Manager – Hays/Caldwell Operations	Purchasing Manager
Division Manager – Hydroelectric & Rural Utilities	Regional Laboratory Director
Division Manager – Western Canyon Operations	Reservoir Manager
Engineer II	Senior Engineer

Up to \$5,000	
Chief Operators	Maintenance Supervisor II
Chief Ranger	Project & Community Representative
Chief Water Tender	Regional Representative
Deputy Lab Director/QA Manager	SCADA Administrator
Engineer I	SCADA Technician
Executive Assistant to the General Counsel	Senior Deputy Division Manager
Executive Assistant to the General Manager	Water Quality Project Manager
Grant Writer/Administrator	Web/Application Developer
IT Manager	

(*) = 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.

Authorized Spending Levels

Non-Budgeted Purchases

Over \$5,000	
General Manager/CEO	Executive Manager of Administration
Senior Deputy General Manager	Executive Manager of Environmental Science & Community Affairs
Deputy General Manager	Executive Manager of Finance/CFO
Senior Advisor to the General Manager	Executive Manager of Operations & Water Quality
General Counsel	Executive Manager of Project Engineering & Development/Chief Engineer

Up to \$5,000	
Assistant General Counsel	Deputy Executive Manager of Operations & Water Quality
Deputy CFO-Accounting & Purchasing	Manager of Project Engineering
Deputy CFO-Finance & Administration	Project Manager

Up to \$1,000	
Accounting Manager	Exec. Director of Guadalupe-Blanco River Trust
Communications Manager	Exec. Director of SA Bay Foundation
Deputy Division Manager – Hydroelectric & Rural Utilities	Human Resources Manager
Division Manager – Calhoun/Refugio Operations	Plant Managers
Division Manager – Hays/Caldwell Operations	Purchasing Manager
Division Manager – Hydroelectric & Rural Utilities	Regional Laboratory Director
Division Manager – Western Canyon Operations	Reservoir Manager
Engineer II	Senior Engineer

Up to \$500	
Chief Operators	Maintenance Supervisor II
Chief Ranger	Project & Community Representative
Chief Water Tender	Regional Representative
Deputy Lab Director/QA Manager	SCADA Administrator
Engineer I	SCADA Technician
Executive Assistant to the General Counsel	Senior Deputy Division Manager
Executive Assistant to the General Manager	Water Quality Project Manager
Grant Writer/Administrator	Web/Application Developer
IT Manager	

(*) = 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
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
Accounting Manager	10	010
Communication Manager	10	010
Human Resources Manager	10	010
IT Manager	10	010
Purchasing Manager	10	010
Executive Assistant to the General Counsel	8	010
Executive Assistant to the General Manager	8	010
Grant Writer/Administrator	8	010
SCADA Administrator	8	010
SCADA Technician	8	010
Web/Application Developer	8	010
Environmental Education Administrator	7	010
Social Media/Community Relations Specialist	7	010
Environmental Education Specialist	6	010
Accounting Assistant II	5	010
Accounting Assistant II	5	010
Human Resources Coordinator	5	010
Records Manager	5	010
Accounting Assistant I	4	010
Accounting Clerk	4	010
Customer Service Assistant II	4	010
Customer Service Assistant I	3	010
Records Clerk	3	010
GIS Analyst	*	010
Safety Officer	*	010



POSITION	PAY GRADE	SYSTEM
PROJECT ENGINEERING & DEVELOPMENT		
Executive Manager of Project Engineering & Development/Chief Engineer	Executive	041
Manager of Project Engineering	13	041
Project Manager	12	041
Senior Engineer	13	041
Engineer I	9	041
Engineer I	9	041
Project & Community Representative	9	041
Regional Representative	8	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
RESOURCE POLICY & STEWARDSHIP		
Executive Manager of Environmental Science & Community Affairs	Executive	041
Executive Director of Guadalupe-Blanco River Trust	11	041
Executive Director of SA Bay Foundation	11	041
Natural Resource Specialist	5	041
Administrative Assistant II	5	041
Gorge, Office Assistant	1	041
Gorge, Land Management/Maintenance	*	041
OPERATIONS & WATER QUALITY		
Executive Manager of Operations & Water Quality	Executive	041
Deputy Executive Manager of Operations & Water Quality	13	041
Deputy Executive Manager of Operations & Water Quality	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)		
Senior Division Manager – Hydroelectric & Rural Utilities	10	021
Deputy Division Manager	9	021
Maintenance Supervisor	8	021
Maintenance Supervisor	8	021
Electrical/Instrumentation Technician	7	021
Electrical/Instrumentation Technician	7	021
Electrical/Instrumentation Technician	7	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
Maintenance Crew	3	021
Chief Operator	8	030
Operator I	2	030
Operator I	2	030
Operator I	2	030
Chief Operator	8	039
Operator III	5	039
Operator II	3	039
Operator II	3	039
Operator I	2	039
Operator I	2	039
Water Quality Project Manager	8	041
Assistant Chief Ranger	7	041
Water Quality & Permitting Project Coordinator	7	041
Facilities Technician	6	041



POSITION	PAY GRADE	SYSTEM
OPERATIONS & WATER QUALITY (Continued)		
Maintenance Technician	4	041
Utility Accounts Assistant	4	041
Water Quality Technician I	4	041
Park Ranger	3	041
Regional Laboratory Director	10	042
Deputy Lab Director/QA Manager	8	042
Quality Assurance Officer	7	042
Customer Project Manager I	7	042
Laboratory Technician III	5	042
Laboratory Technician II	4	042
Laboratory Technician II	4	042
Laboratory Technician II	4	042
Sample Custodian/Lab Tech I	3	042
Sample Custodian/Lab Tech I	3	042
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 I	2	044
Operator I	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
Operator IV	5	050
Distribution/Plant Operator II	3	050



POSITION	PAY GRADE	SYSTEM
OPERATIONS & WATER QUALITY (Continued)		
Operator II	3	050
Operator II	3	050
Operator II	3	050
Operator II	3	050
Operator II	3	050
Maintenance Operator I	2	050
Chief Operator	8	060
Electrician/Instrument Technician	6	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 I	2	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 I	4	092
Administrative Assistant	3	092
Chief Operator	8	100
Operator IV	5	100
Operator II	3	100
Operator I	2	100
Operator II	3	100

POSITION	PAY GRADE	SYSTEM
OPERATIONS & WATER QUALITY (Continued)		
Electrical/Instrumentation Technician	7	120
Maintenance Crew II	4	120
Chief Operator	8	130
Operator III	4	130
Operator II	3	130
Operator Trainee	1	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	\$14.36	\$22.97
2	\$15.65	\$25.05
3	\$17.07	\$27.31
4	\$18.60	\$29.76
5	\$20.27	\$32.42
6	\$22.10	\$35.37
7	\$24.09	\$38.55
8	\$54,611	\$87,376
9	\$59,527	\$95,240
10	\$64,883	\$103,814
11	\$70,722	\$113,154
12	\$77,794	\$124,471
13	\$85,575	\$136,918
14	\$94,133	\$150,611
15	\$103,545	\$165,671
Executive	Set by Board or General Manager	

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
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
Regional 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 2019.

Financial Summary

Division	Guadalupe-Blanco River Authority				
	OPERATING		DEBT SERVICE		Change in Fund Balance
	Revenue	Expenses	Revenue	Expenses	
General	3,834,761	3,767,948	500,000	0	566,813
G. V. Hydro	3,447,810	3,809,356	0	0	(361,546)
RUD-Shadow Creek	707,412	613,776	0	0	93,636
RUD-Canyon Pk	455,400	444,026	0	7,136	4,238
RUD-Dunlap	2,169,125	1,460,221	(500,000)	197,793	11,111
RUD-Northcliffe	359,923	359,923	0	0	0
RUD-Sunfield	613,255	613,255	0	0	0
RUD	4,305,115	3,491,201	(500,000)	204,929	108,985
WR-Water Sales	18,275,550	17,358,588	8,705,652	9,582,689	39,925
WR-Canal	1,336,703	1,301,895	0	34,808	0
WR-San Marcos	2,240,284	2,240,284	0	0	0
WR-Buda	890,267	890,267	0	0	0
Water Resources	22,742,804	21,791,034	8,705,652	9,617,497	39,925
WC-WTP	3,941,720	3,770,553	263,537	238,325	196,379
WC-4S Ranch WW	222,613	222,613	0	0	0
WC-Cordillera WDS	816,836	762,503	0	0	54,333
WC-Cordillera WWTP	414,795	414,498	0	0	297
WC-Comal Trace	272,664	215,519	0	0	57,145
WC-Johnson Ranch WDS	845,835	415,049	0	0	430,786
WC-Johnson Ranch WW	448,800	326,911	0	0	121,889
WC-Singing Hills WWRS	186,468	186,468	0	0	0
WC-Park Village WWRS	226,221	226,221	0	0	0
Western Canyon	7,375,952	6,540,335	263,537	238,325	860,829
Port Lavaca WTP	1,639,799	1,639,799	61,288	61,288	0
Rural Water	1,609,087	1,606,772	0	0	2,315
CC-Reservoir	950,064	950,064	0	0	0
CC-Recreation	854,746	852,865	0	0	1,881
Coletto Creek	1,804,810	1,802,929	0	0	1,881
Luling	1,189,355	1,182,195	607,983	567,392	47,751
Canyon Hydro	571,980	571,980	0	0	0
Lockhart-WWTP	1,035,711	1,035,711	0	0	0
Lockhart-WTP	701,202	701,202	0	0	0
Lockhart	1,736,913	1,736,913	0	0	0
	50,258,386	47,940,462	9,638,460	10,689,431	1,266,953

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

			PROJECT ALLOCATIONS			Future Anticipated Needs
Line #	Funding Source	Project Description	Previous Allocation	FY 2019	Total Allocation	
1	<u>Fleet Program - 019</u>					
	Existing Funds (New Program)	Cars and Trucks	\$ -	\$ 380,000	\$ 380,000	\$ -
	Total Fleet Program		\$ -	\$ 380,000	\$ 380,000	\$ -
2	<u>General Division - 010</u>					
	FY 18 & 19 Budget	Asset Management Program	\$ 200,000	\$ 250,000	\$ 450,000	\$ 250,000
	FY 18 Budget	Financial Software	\$ 150,000	\$ -	\$ 150,000	\$ -
	Total General Division		\$ 350,000	\$ 250,000	\$ 600,000	\$ 250,000
4	<u>GV Hydro Division - 029</u>					
	Existing Funds	Spillgate Rehabilitation & Replacement	\$ 3,768,000	\$ -	\$ 3,768,000	\$ -
	Reserves	Spillgate Rehabilitation & Replacement	\$ -	\$ 5,000,000	\$ 5,000,000	\$ 80,000,000
	Total GV Hydro Division		\$ 3,768,000	\$ 5,000,000	\$ 8,768,000	\$ 80,000,000
6	<u>Rural Utilities - 039</u>					
	Existing Funds	Canyon Park Expansion	\$ 1,601,000	\$ -	\$ 1,601,000	\$ -
	FY 19 Budget	Dunlap WWTP & Collection Improvements	\$ -	\$ 565,000	\$ 565,000	\$ -
8	Future Bond	Dietz WW System	\$ -	\$ -	\$ -	\$ 6,109,000
	Total Rural Utilities Division		\$ 1,601,000	\$ 565,000	\$ 2,166,000	\$ 6,109,000
9	<u>Water Sales System - 041</u>					
	FY 18 & Future Bond	Lower Basin Storage Project	\$ 452,500	\$ -	\$ 452,500	\$ 35,761,000
	FY 18	FM 110 Relocation-South	\$ 7,000	\$ -	\$ 7,000	\$ -
11	FY 18	FM 110 Relocation-North	\$ 8,000	\$ -	\$ 8,000	\$ -
12	FY 18 & 19 Budget	Diversion System Improvements (including siphon/radial gate)	\$ 350,000	\$ 250,000	\$ 600,000	\$ -
13	Future Loan	New Braunfels Office	\$ -	\$ -	\$ -	\$ 4,800,000
14	FY 18 & 19 Budget	Ground/Surface Water Interactions Investigations	\$ 50,000	\$ 50,000	\$ 100,000	\$ -
15	Existing Funds	Canyon Dam walkway	\$ -	\$ 25,000	\$ 25,000	\$ -
16	FY 18 Budget	Gorge, North Rim Trail	\$ 45,000	\$ -	\$ 45,000	\$ -
17	FY 18 Budget	Gorge, Building	\$ 50,000	\$ -	\$ 50,000	\$ -
18	FY 18 Budget	Surface Water Rights	\$ 301,000	\$ -	\$ 301,000	\$ -
19	FY 18 Budget	San Marcos WTP Backwash Filter Blower	\$ 25,714	\$ 25,714	\$ 51,428	\$ 17,145
20	FY 18 & 19 Budget	Corps of Engineers - Dam Costs/Projects	\$ 850,000	\$ 850,000	\$ 1,700,000	\$ -
21	FY 18 Budget	SCADA Improvements	\$ 24,154	\$ -	\$ 24,154	\$ -
	Total Water Sales System		\$ 2,163,368	\$ 1,200,714	\$ 3,364,082	\$ 40,578,145
22	<u>Calhoun Canal- 043</u>					
	FY 18 Budget	Canal System Improvements	\$ 100,000	\$ -	\$ 100,000	\$ -
	Total Calhoun Canal		\$ 100,000	\$ -	\$ 100,000	\$ -
23	<u>Western Canyon Division - 050</u>					
	3rd Party Reimbursement	SH 46 Pipeline Relocation - Engineering	\$ -	\$ -	\$ -	\$ 7,616,000
	FY 19 Budget	FM 3351 Pump Station Upgrades	\$ -	\$ 55,000	\$ 55,000	\$ -
25	3rd Party Reimbursement	Boerne ISD Expansion	\$ -	\$ 781,000	\$ 781,000	\$ -
	Total Western Canyon Water Plant		\$ -	\$ 836,000	\$ 836,000	\$ 7,616,000

Guadalupe-Blanco River Authority
Designated/ Capital Improvement Program

			PROJECT ALLOCATIONS			Future Anticipated Needs
			Previous Allocation	FY 2019	Total Allocation	
Line #	Funding Source	Project Description				
26	<u>Cordillera Wastewater - 053</u>					
	FY 18 Budget	SCADA system upgrade	\$ 37,000	\$ -	\$ 37,000	\$ -
	Total Cordillera Wastewater		\$ 37,000	\$ -	\$ 37,000	\$ -
27	<u>Port Lavaca Water Plant - 060</u>					
	FY 18 Budget	TTHM Mitigation	\$ 161,093	\$ -	\$ 161,093	\$ -
	28	Future Bond	Port Lavaca WTP Improvements	\$ -	\$ -	\$ -
	Total Port Lavaca Water Plant		\$ 161,093	\$ -	\$ 161,093	\$ 78,303,000
29	<u>Rural Water Division - 070</u>					
	FY 19 Budget & Undetermined	CCRWS Dist. System Improvements	\$ -	\$ 225,000	\$ 225,000	\$ 475,000
	30	FY 18 & 19 Budget	Distribution & Meter Replacement	\$ 325,000	\$ 225,000	\$ 550,000
31	Undetermined	Crestview Wastewater Treatment Plant	\$ -	\$ -	\$ -	\$ 484,000
	Total Rural Water		\$ 325,000	\$ 450,000	\$ 775,000	\$ 1,184,000
32	<u>Luling WTP Division - 100</u>					
	FY 19 Budget	Emergency Generator	\$ -	\$ 161,479	\$ 161,479	\$ 322,958
	Total Luling WTP Division		\$ -	\$ 161,479	\$ 161,479	\$ 322,958
33	<u>Other</u>					
	Upcoming Bond	Carrizo Groundwater Supply Project	\$ 165,855,000	\$ -	\$ 165,855,000	\$ -
	Total Other		\$ 165,855,000	\$ -	\$ 165,855,000	\$ -
Grand Total - All Divisions			\$ 174,360,461	\$ 8,843,193	\$ 183,203,654	\$ 214,363,103

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

Line #

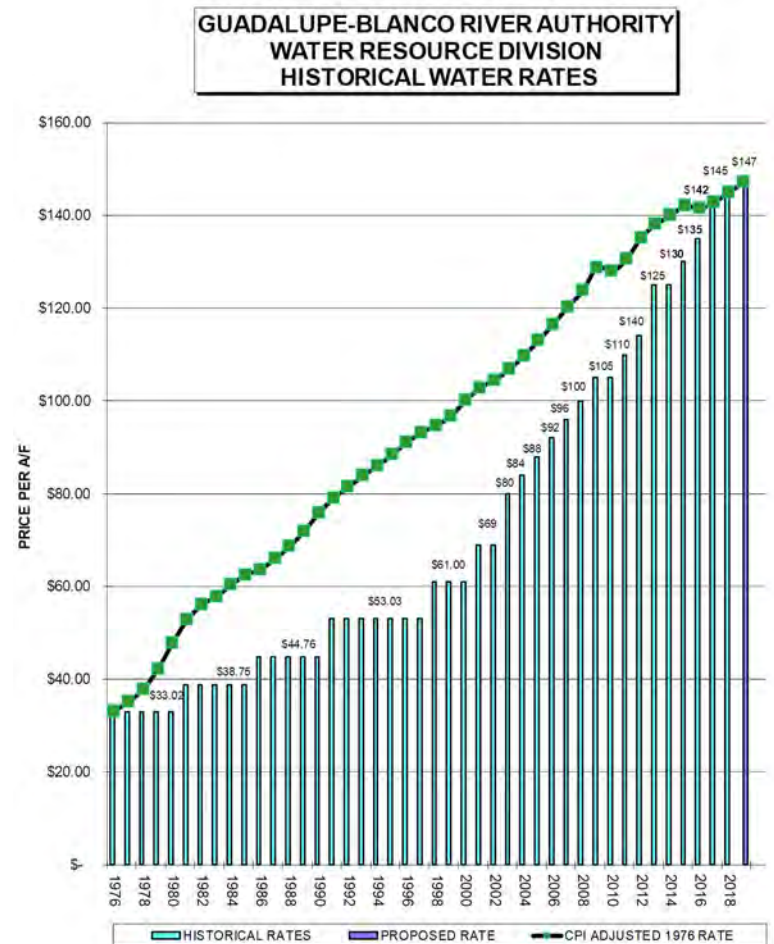
- 1 Fleet Program to fund capital vehicle purchases with a replacement funding from annual lease expense to operating systems.
- 2 Asset Management Program to assess the infrastructure conditions of operating facilities, these expenditures include the cost of program development, hardware, software, and criticality assessment.
- 3 Financial Software upgrade-purchase and implementation costs.
- 4 Rehabilitation of spillgates within the hydroelectric system including structural reinforcement, new steel, and design of gate replacement.
- 5 Rehabilitation of existing spillgates; engineering/design and construction of replacement spillgates.
- 6 Engineering study and plant expansion will determine if additional funds are needed for construction in future years.
- 7 Preliminary engineering to evaluate layout and phasing of expansion.
- 8 Engineering and construction of collection system off Hwy 46 between Seguin and New Braunfels.
- 9 Engineering and construction of lower basin reservoir for firm water storage.
- 10 Relocation of water lines due to road expansions.
- 11 Relocation of water lines due to road expansions.
- 12 Evaluation, planning and design for system improvements in the diversion system.
- 13 Expansion of offices located in New Braunfels.
- 14 Study for data collection of interaction between groundwater and surface water.
- 15 Contribution of funds toward safety improvements to walkway.
- 16 Improvements for access to the gorge.
- 17 GBRA share of office/park building.
- 18 Purchase of water rights.
- 19 Purchase of blower at the San Marcos WTP for backwash filters.
- 20 Contractual obligation for COE O&M costs, building up for large COE projects based on estimates received.
- 21 SCADA improvement project for IH 35 Pipeline and Regional Raw Water Distribution System - IT Project.
- 22 Evaluation, planning and design for system improvements in the Canal system.
- 23 Relocation of water lines due to road expansions, reimbursement by Texas Dept. of Transportation (TX DOT).
- 24 Pumping and electrical upgrades to keep up with demands.
- 25 Construction and engineering costs for expansion; reimbursement by Boerne ISD
- 26 Designated funds carry over from FY 18 for SCADA system ignition improvements
- 27 Assessing solution to TTHM issue.
- 28 Design, engineering and construction of new plant.
- 29 Design, engineering of system improvements.
- 30 Upgrading meter reading system to automatic readers and distribution system improvements.
- 31 WWTP replacement.
- 32 Financing the purchase of an emergency generator at the WTP at a base cost of \$450,000.
- 33 Design, engineering and construction of a groundwater distribution project for New Braunfels Utilities, Goforth SUD and Lockhart.

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.

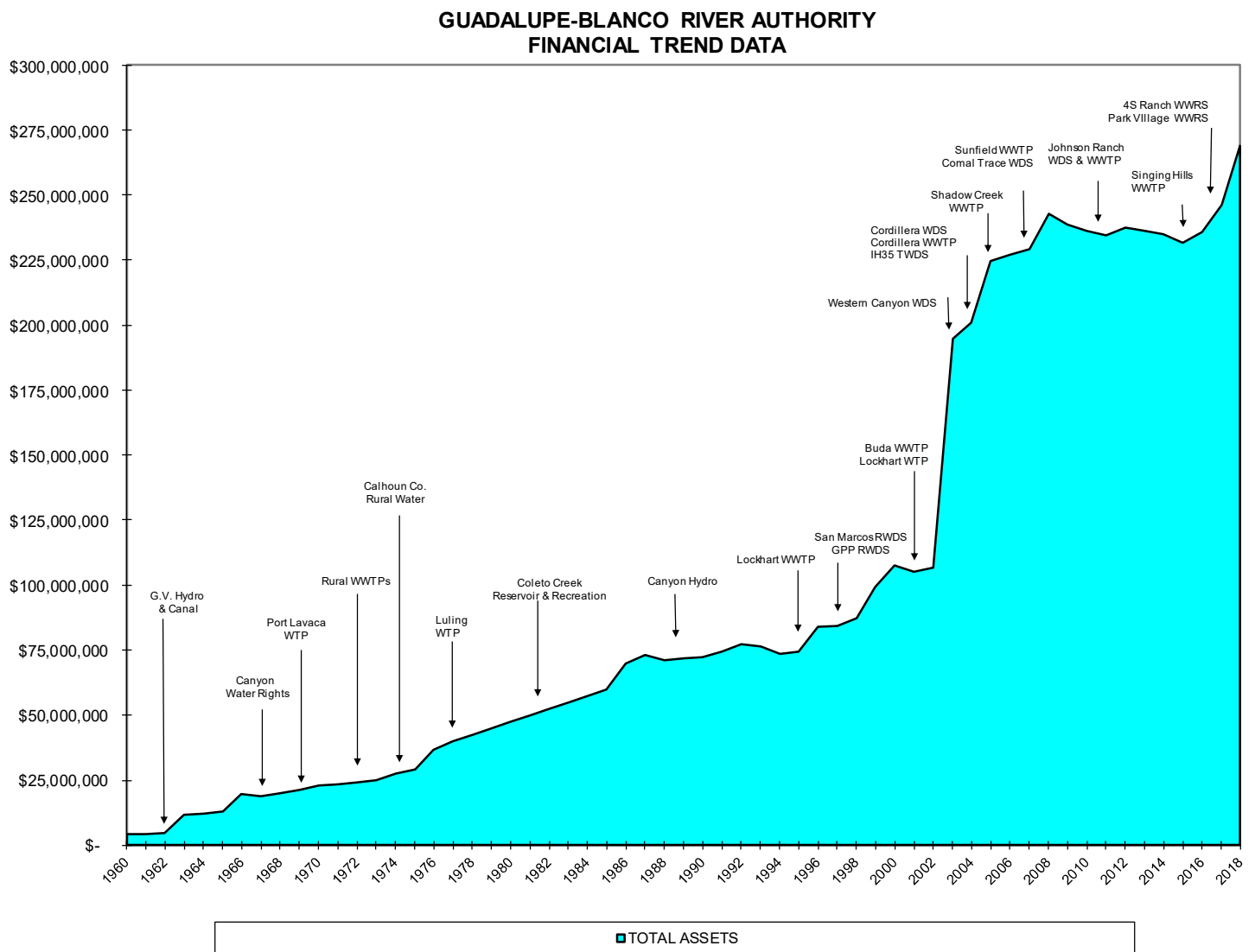
GBRA operations and water supply for the communities in the basin are generally contingent on the flow of the river and stored water out of the reservoir. The Board of Directors adopts a rate structure for water from reservoir storage annually to provide an equitable charge to all firm water customers. 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 \$2.00 or 1% to \$147 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 operations being added are the 4S Ranch WWRS and the Park Village WWRS.

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.

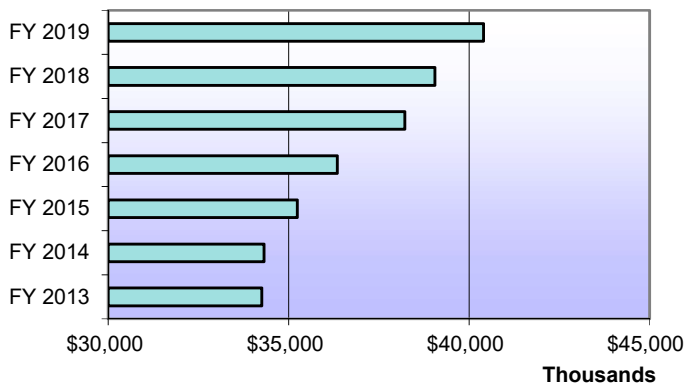
The FY 2019 Budget sustains the Board's working capital reserve policy.



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 decrease in FY 2014 is due to the final debt service payment for the Series 2002 bonds in the Canyon Hydroelectric System on June 1, 2014.

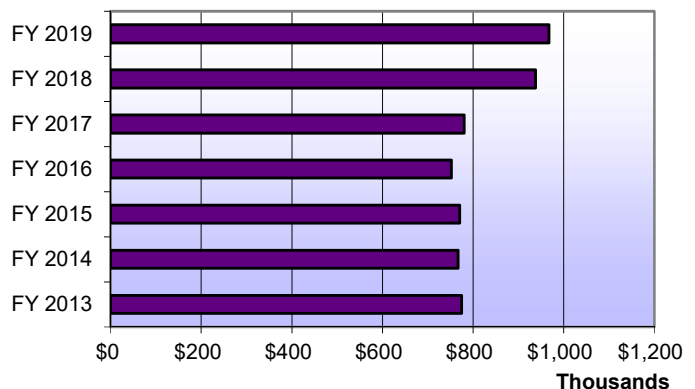


Water Sales and Lake Operations

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.

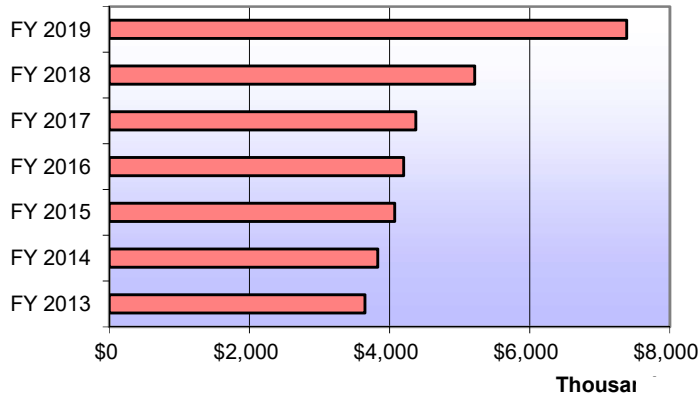
Recreation and Land Use

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





Historical Operating Revenues

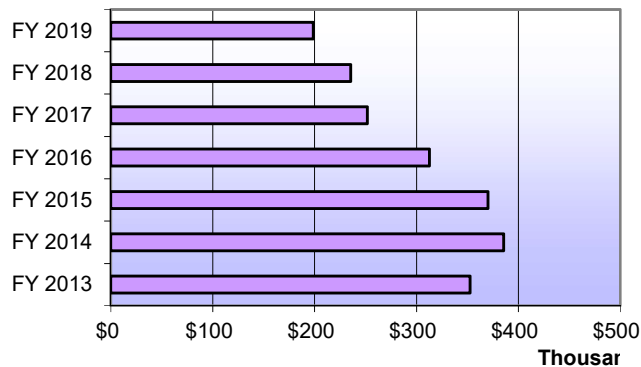
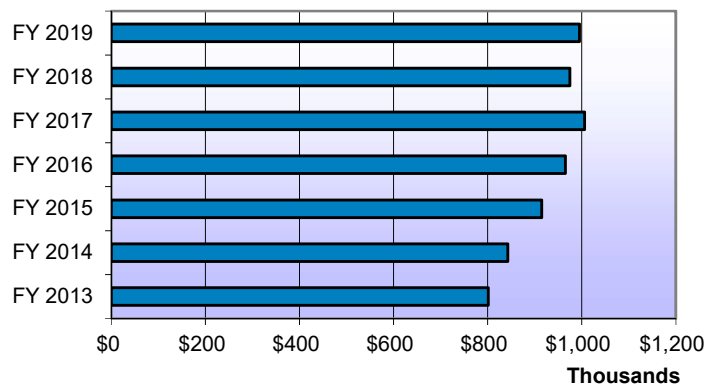


Wastewater Services

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 1,137,424/M gal. in 2013 to a projected 1,306,990/M gal. in 2019.

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.

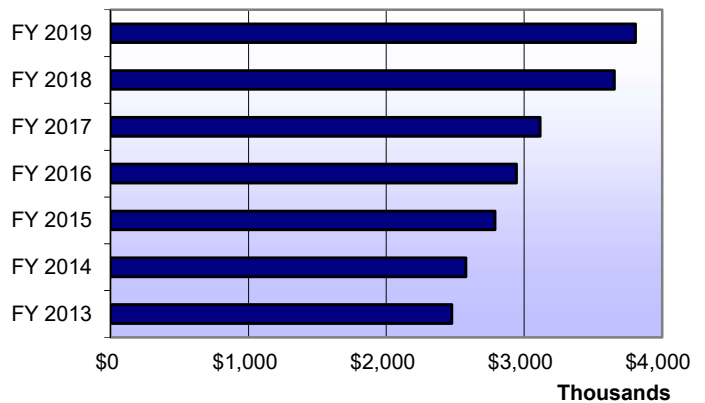


Rentals

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

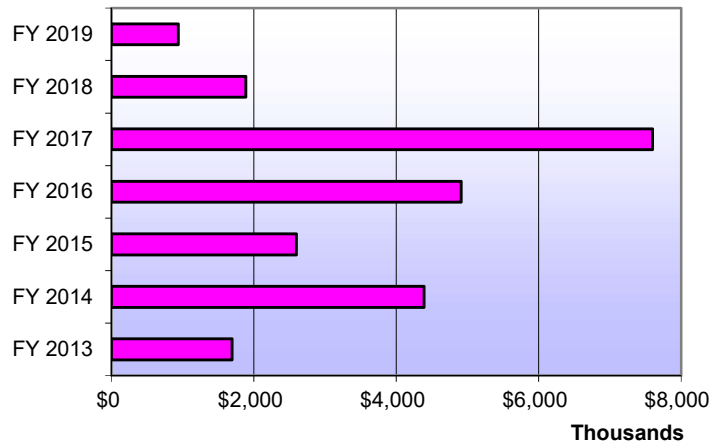
Administrative and General

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 2019.





Historical Operating Revenues



Miscellaneous Income

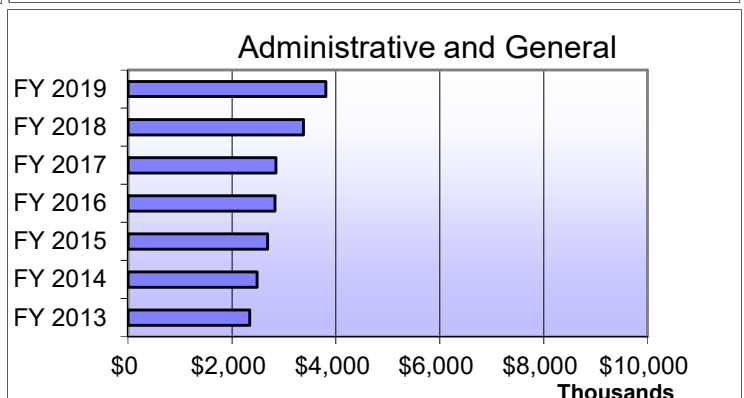
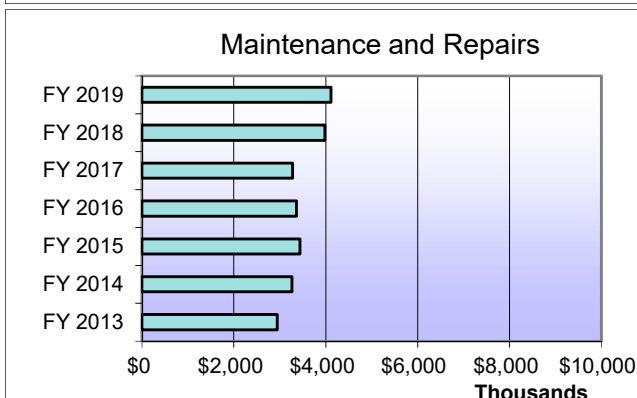
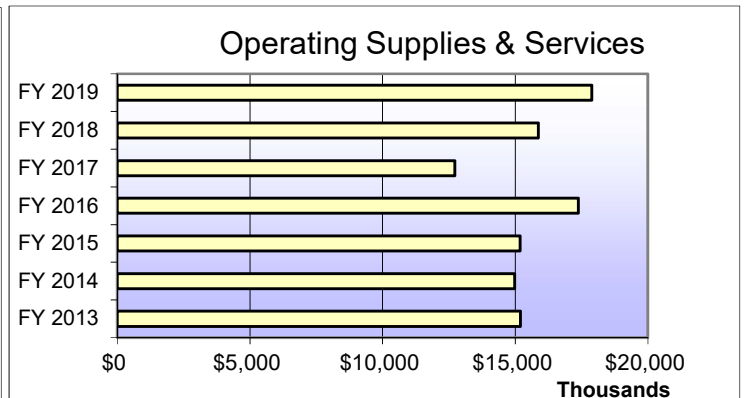
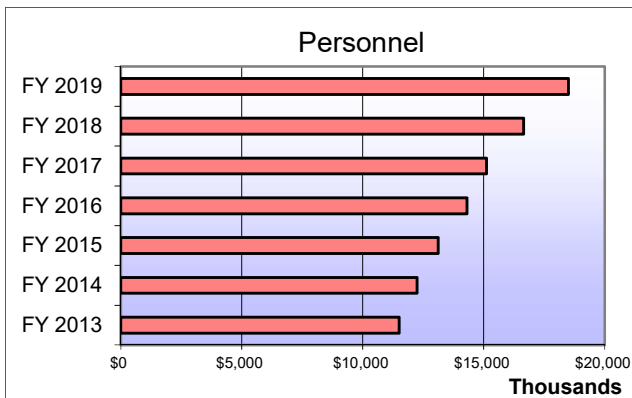
Miscellaneous income includes a variety of revenue sources including the sale of GBRA assets, renewable energy credits, payments from developers, and grant and insurance reimbursements from periodic repair of flood damages. In FY 2017, grant income totaled over \$3.5M.

Operating Revenue Trend

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



Historical Operating Expenses



Operating Expense Trend

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

Expenses	FY 2013 Actual	FY 2014 Actual	FY 2015 Actual	FY 2016 Actual	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel	11,506,268	12,246,705	13,119,588	14,303,090	15,110,414	16,648,089	18,497,978
Operating Supplies & Services	15,198,495	14,976,608	15,180,858	17,380,139	12,723,879	15,866,804	17,883,921
Maintenance and Repairs	2,945,875	3,264,615	3,436,488	3,364,768	3,275,783	3,979,226	4,117,454
Administrative and General	2,342,669	2,481,528	2,683,607	2,831,297	2,847,926	3,377,188	3,807,230
Total	31,993,306	32,969,456	34,420,541	37,879,294	33,958,002	39,871,307	44,306,583



Fiscal Year 2019 Budget

flowing solutions

Rates and Rate Structures

COMMON RATES:	2017 Actual	2018 Actual	2019 Budget	Unit of Measure	% Change	Effective Date
Transfer Fee	\$40.00	\$40.00	\$40.00	transfer	-	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%	mtly 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	N/A	\$90.00	\$90.00	hour	-	Sep 01
GENERAL DIVISION	2017 Actual	2018 Actual	2019 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	2017 Actual	2018 Actual	2019 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	\$300.00	\$600.00	\$600.00	permit	-	Sep 01
RURAL UTILITIES DIVISION	2017 Actual	2018 Actual	2019 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
<u>Canvon 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	\$50.00	\$52.00	\$57.00	LUE	10%	Oct 01
3. Monthly Sewer Rate: Car Wash	\$100.00	\$104.00	\$114.00	LUE	10%	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	\$5,477	connection	-	Oct 01
Connection Fee: New customers conn. via Legends Lift Station	\$5,977	\$5,977	\$5,977	connection	-	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	\$5,477	connection	-	Oct 01
2. Inspection Fee	\$50.00	\$50.00	\$75.00	connection	50%	Oct 01
3. Monthly Sewer Fee: Retail	\$50.00	\$52.00	\$57.00	LUE	10%	Oct 01
4. 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	connection	-	Oct 01

Note: Rate changes for new budget year are highlighted; % change is from 2018 actual to 2019 budget year.



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Rates and Rate Structures

WATER RESOURCES DIVISION	2017 Actual	2018 Actual	2019 Budget	Unit of Measure	% Change	Effective Date
<u>Raw Water:</u>						
Firm Water	\$142.00	\$145.00	\$147.00	AFY	1%	Oct 01
Recreation Rate	\$26.61	\$26.61	\$26.61	AFY	-	Oct 01
Out-of-District Charge x Consumer Price Index Change	\$35.67	\$36.21	\$37.05	AFY	2%	Oct 01
<u>Regional RWDS:</u>						
O&M Rate	\$0.286	\$0.286	\$0.251	1,000 gal	-12%	Oct 01
Capacity Rate	\$0.201	\$0.190	\$0.190	1,000 gal	-	Oct 01
<u>Guadalupe Power Partners RWDS:</u>						
O&M Rate	\$0.488	\$0.482	\$0.487	1,000 gal	1%	Oct 01
<u>IH 35 Project:</u>						
WTP O&M Rate	\$0.48	\$0.500	\$0.500	1,000 gal	-	Oct 01
TWDS O&M Rate	\$0.291	\$0.297	\$0.206	1,000 gal	-31%	Oct 01
Capacity Rate	\$0.306	\$0.306	\$0.306	1,000 gal	-	Oct 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	\$1,200.00	\$1,800.00	\$1,800.00	site	-	Sep 01
<u>Regional Laboratory:</u>						
Administrative Fee	\$1.00	\$1.00	\$1.00	per report	-	Sep 01
Data Transfer Fee	\$26.00	\$26.00	\$26.00	per transfer	-	Sep 01
Alkalinity-Total	\$26.00	\$26.00	\$26.00	test	-	Sep 01
Alkalinity-Carbonate	\$16.00	\$16.00	\$16.00	test	-	Sep 01
Alkalinity-Bicarbonate	\$16.00	\$16.00	\$16.00	test	-	Sep 01
Alkalinity-Phenolthaelein	\$15.00	\$15.00	\$15.00	test	-	Sep 01
Chlorophyll a/Pheophytin	\$62.00	\$62.00	\$62.00	test	-	Sep 01
Conductivity	\$15.00	\$15.00	\$15.00	test	-	Sep 01
Demands-BOD (5 day)	\$35.00	\$35.00	\$35.00	test	-	Sep 01
Demands-BOD (filtered)	\$37.00	\$37.00	\$37.00	test	-	Sep 01
Demands-CBOD (5 day)	\$39.00	\$39.00	\$39.00	test	-	Sep 01
Demands-COD	\$39.00	\$39.00	\$39.00	test	-	Sep 01
Demands-DO (electrode)	\$12.00	\$12.00	\$12.00	test	-	Sep 01
Ion Chromatography-Chloride	\$25.00	\$25.00	\$25.00	test	-	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	\$30.00	test	-	Sep 01
Ion Chromatography-Sulfate	\$25.00	\$25.00	\$25.00	test	-	Sep 01
Micro-E coli (18 hr. Colilert)	\$31.00	\$31.00	\$31.00	test	-	Sep 01

Note: Rate changes for new budget year are highlighted; % change is from 2018 actual to 2019 budget year.



Rates and Rate Structures

WATER RESOURCES DIVISION (cont.)	2017 Actual	2018 Actual	2019 Budget	Unit of Measure	% Change	Effective Date
Micro-E coli-EPA	\$120.00	\$120.00	\$120.00	test	-	Sep 01
Micro-Fecal Coliform/E.coli	\$32.00	\$32.00	\$32.00	test	-	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	\$25.00	\$25.00	\$25.00	test	-	Sep 01
Nutrients-Ammonia Nitrogen-Distilled	\$34.00	\$34.00	\$34.00	test	-	Sep 01
Nutrients-Ammonia Nitrogen-Non-distilled	\$30.00	\$30.00	\$30.00	test	-	Sep 01
Nutrients-Total Kjeldahl Nitrogen-TKN	\$52.00	\$52.00	\$52.00	test	-	Sep 01
Nutrients-Total Phosphorus	\$35.00	\$35.00	\$35.00	test	-	Sep 01
Oil and Grease	\$64.00	\$64.00	\$64.00	test	-	Sep 01
pH	\$14.00	\$14.00	\$14.00	test	-	Sep 01
Solids Analysis-TSS	\$25.00	\$25.00	\$25.00	test	-	Sep 01
Solids Analysis-VSS	\$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
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	\$31.00	\$31.00	\$31.00	test	-	Sep 01
Total Organic Carbon (TOC)	\$45.00	\$45.00	\$45.00	test	-	Sep 01
Total Organic Carbon-Dissolved	\$46.00	\$46.00	\$46.00	test	-	Sep 01
Total Residual Chlorine	\$15.00	\$15.00	\$15.00	test	-	Sep 01
Turbidity	\$21.00	\$21.00	\$21.00	test	-	Sep 01

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

Lake Wood Recreation Area:

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

Note: Rate changes for new budget year are highlighted; % change is from 2018 actual to 2019 budget year.



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Rates and Rate Structures

WATER RESOURCES DIVISION (cont.)	2017 Actual	2018 Actual	2019 Budget	Unit of Measure	% Change	Effective Date
<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	\$116.00	\$120.00	acre	3%	Oct 01
M&I Customers	\$0.165	\$0.175	\$0.185	1,000 gal.	6%	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
	\$0.165	\$0.175	\$0.185	1,000 gal.	6%	Oct 01
Initial fill: crawfish, waterfowl & catfish water	\$0.165	\$0.175	\$0.185	1,000 gal.	6%	Oct 01
Sprinkler Irrigation	\$45.00	\$45.00	\$45.00	acre	-	Oct 01
WESTERN CANYON DIVISION						
	2017 Actual	2018 Actual	2019 Budget	Unit of Measure	% Change	Effective Date
<u>Western Canyon WTP & TWDS:</u>						
O&M Rate	\$1.074	\$1.074	\$1.024	1,000 gal.	-5%	Oct 01
Capacity Rate-WTP	\$475.03	\$475.03	\$475.03	AFY	-	Oct 01
Capacity Rate-TTHM	---	\$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	\$2.50	\$2.550	1,000 gal.	2%	Oct 01
<u>Water Distribution Systems – Common Rates:</u>						
Reconnection Fee: Water	\$100.00	\$100.00	\$100.00	connection	-	Sep 01
Customer Service Inspection Fee	\$75.00	\$75.00	\$75.00	inspection	-	Sep 01
<u>Comal Trace WDS, Cordillera Ranch WDS & Johnson Ranch WDS:</u>						
1. 5/8" Residential 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

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Rates and Rate Structures

WESTERN CANYON DIVISION (cont.)	2017 Actual	2018 Actual	2019 Budget	Unit of Measure	% Change	Effective Date
<u>Comal Trace WDS, Cordillera Ranch WDS & Johnson Ranch WDS (cont.):</u>						
2. 1" Commercial Meter:						
Water – Connection Fees: Cordillera	\$1,730.00	\$1,730.00	\$1,730.00	connection	-	Sep 01
Water – Base Rate: up to 4,000 gal	\$104.00	\$104.00	\$104.00	month	-	Oct 01
Water – Block Rate: 4,001-25,000 gal (base rate+usage)	\$3.60	\$3.60	\$3.60	1,000 gal.	-	Oct 01
Water – Block Rate: 25,001-75,000 gal (base rate+usage)	\$5.50	\$5.50	\$5.50	1,000 gal.	-	Oct 01
Water – Block Rate: over 75,000 gal (base rate+usage)	\$10.50	\$10.50	\$10.50	1,000 gal.	-	Oct 01
3. 1.5" Commercial Meter:						
Water – Connection Fees: Cordillera	\$1,850.00	\$1,850.00	\$1,850.00	connection	-	Sep 01
Water – Base Rate: up to 8,000 gal	\$204.00	\$204.00	\$204.00	month	-	Oct 01
Water – Block Rate: 8,001-50,000 gal (base rate+usage)	\$3.60	\$3.60	\$3.60	1,000 gal.	-	Oct 01
Water – Block Rate: 50,001-100,000 gal (base rate+usage)	\$5.50	\$5.50	\$5.50	1,000 gal.	-	Oct 01
Water – Block Rate: over 100,000 gal (base rate+usage)	\$10.50	\$10.50	\$10.50	1,000 gal.	-	Oct 01
4. 2" Commercial Meter:						
Water – Connection Fees: Cordillera	\$2,560.00	\$2,560.00	\$2,560.00	connection	-	Sep 01
Water – Base Rate: up to 16,000 gal	\$304.00	\$304.00	\$304.00	month	-	Oct 01
Water – Block Rate: 16,001-75,000 gal (base rate+usage)	\$3.60	\$3.60	\$3.60	1,000 gal.	-	Oct 01
Water – Block Rate: 75,001-125,000 gal (base rate+usage)	\$5.50	\$5.50	\$5.50	1,000 gal.	-	Oct 01
Water – Block Rate over 125,000 gal. (base rate+usage)	\$10.50	\$10.50	\$10.50	1,000 gal.	-	Oct 01
5. 3" Commercial Meter:						
Water – Connection Fees: Cordillera	\$2,860.00	\$2,860.00	\$2,860.00	connection	-	Sep 01
Water – Base Rate: up to 32,000 gal	\$524.00	\$524.00	\$524.00	month	-	Oct 01
Water – Block Rate: 32,001-100,000 gal (base rate+usage)	\$3.60	\$3.60	\$3.60	1,000 gal.	-	Oct 01
Water – Block Rate: 100,001-150,000 gal (base rate+usage)	\$5.50	\$5.50	\$5.50	1,000 gal.	-	Oct 01
Water – Block Rate over 150,000 gal. (base rate+usage)	\$10.50	\$10.50	\$10.50	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>Cordillera WWTP:</u>						
Wastewater – Connection & Inspection Fees	\$1,550.00	\$1,550.00	\$1,550.00	connection	-	Sep 01
+ Grinder Pump	pump @ cost	pump @ cost	pump @ cost			
Service call (up to 3 hours)	N/A	\$150.00	\$150.00	minimum	-	Sep 01
over minimum	N/A	\$50.00	\$50.00	per hour	-	Sep 01
Pump Replacement	N/A	\$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	\$67.00	\$70.00	\$70.00	LUE	-	Oct 01
<u>4S Ranch WWTP, Johnson Ranch WWTP, Park Village WWRs:</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

CALHOUN COUNTY RWS DIVISION	2017 Actual	2018 Actual	2019 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	\$40.00	\$43.00	\$48.00	month	12%	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	\$7.05	\$8.05	1,000 gal.	14%	Oct 01
Water - Block Rate: 15,001-35,000 gal (base rate+usage)	\$10.05	\$10.05	\$12.05	1,000 gal.	20%	Oct 01
Water - Block Rate: over 35,000 gal (base rate+usage)	\$12.05	\$12.05	\$14.05	1,000 gal.	17%	Oct 01
Dry Tap Rate	\$39.00	\$42.00	\$42.00	month	-	Oct 01
2. 3/4" 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	\$60.00	\$65.00	\$72.00	month	11%	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	\$7.05	\$8.05	1,000 gal.	14%	Oct 01
Water - Block Rate: 15,001-35,000 gal (base rate+usage)	\$10.05	\$10.05	\$12.05	1,000 gal.	20%	Oct 01
Water - Block Rate: over 35,000 gal (base rate+usage)	\$12.05	\$12.05	\$14.05	1,000 gal.	17%	Oct 01
Dry Tap Rate	\$59.00	\$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	\$450.00	\$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	\$80.00	\$86.00	\$113.95	month	33%	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	\$7.05	\$8.05	1,000 gal.	14%	Oct 01
Water - Block Rate: 15,001-35,000 gal (base rate+usage)	\$10.05	\$10.05	\$12.05	1,000 gal.	20%	Oct 01
Water - Block Rate: over 35,000 gal (base rate+usage)	\$12.05	\$12.05	\$14.05	1,000 gal.	17%	Oct 01
Dry Tap Rate	\$79.00	\$85.00	\$85.00	month	-	Oct 01
4. 1- 1/2" 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	\$160.00	\$173.00	\$233.90	month	35%	Oct 01
Water - Block Rate: 8,001-15,000 gal (base rate+usage)	\$7.05	\$7.05	\$8.05	1,000 gal.	14%	Oct 01
Water - Block Rate: 15,001-35,000 gal (base rate+usage)	\$10.05	\$10.05	\$12.05	1,000 gal.	20%	Oct 01
Water - Block Rate: over 35,000 gal (base rate+usage)	\$12.05	\$12.05	\$14.05	1,000 gal.	17%	Oct 01
Dry Tap Rate	\$159.00	\$172.00	\$172.00	month	-	Oct 01

Note: Rate changes for new budget year are highlighted; % change is from 2018 actual to 2019 budget year.



Fiscal Year 2019 Budget

flowing solutions

Rates and Rate Structures

CALHOUN COUNTY RWS DIVISION (cont.)	2017 Actual	2018 Actual	2019 Budget	Unit of Measure	% Change	Effective Date
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.	\$320.00	\$346.00	\$410.00	month	18%	Oct 01
Water - Block Rate: 16,001-35,000 gal (base rate+usage)	\$10.05	\$10.05	\$12.05	1,000 gal.	20%	Oct 01
Water - Block Rate: over 35,000 gal (base rate+usage)	\$12.05	\$12.05	\$14.05	1,000 gal.	17%	Oct 01
Dry Tap Rate	\$319.00	\$345.00	\$345.00	month	-	Oct 01
6. 3" Meter:						
Connection Fees-New Connection, plus membership fee	N/A	N/A	\$12,000.00	connection	NEW	Oct 01
Membership Fees	N/A	N/A	\$23,200.00	connection	NEW	Oct 01
Base Rate up to 32,000 gal.	N/A	N/A	\$854.10	month	NEW	Oct 01
Water - Block Rate: 32,001-35,000 gal (base rate+usage)	N/A	N/A	\$12.05	1,000 gal.	NEW	Oct 01
Water - Block Rate: over 35,000 gal (base rate+usage)	N/A	N/A	\$14.05	1,000 gal.	NEW	Oct 01
Dry Tap Rate	N/A	N/A	\$644.00	month	NEW	Oct 01
<u>Crestview Subdivision:</u>						
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	\$9.00	\$12.00	4 people	33%	Sep 01
Individual Passes	\$2.00	\$2.00	\$5.00	day	150%	Sep 01
Annual Permit	\$160.00	\$165.00	\$185.00	permit	12%	Sep 01
Replacement Annual Permit	\$5.00	\$5.00	\$5.00	permit	-	Sep 01
Camping Fee	\$32.00	\$35.00	\$40.00	night	14%	Sep 01
Camping Fee Premium Sites	\$37.00	\$40.00	\$45.00	night	13%	Sep 01
Overflow Camping	\$26.00	\$28.00	\$28.00	night	-	Sep 01
Camping Extra Vehicle Charge	\$11.00	\$11.00	\$12.00	night	9%	Sep 01
Camping Fee (Weekly: 10/1-3/31)	\$175.00	\$182.00	\$200.00	7 nights	10%	Sep 01
Camping Fee (Monthly: 10/1-3/31)	\$435.00	\$450.00	\$475.00	30 nights	6%	Sep 01
Senior Citizens Camping (10/1-3/31)	\$26.00	\$30.00	\$30.00	night	-	Sep 01
Primitive Camping	\$26.00	\$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	\$10.00	\$20.00	\$20.00	pump out	-	Sep 01
Cabin Rental (Small Units)	\$68.00	\$70.00	\$90.00	night	29%	Sep 01
Cabin Rental (Large Units)	\$88.00	\$90.00	\$110.00	night	22%	Sep 01

Note: Rate changes for new budget year are highlighted; % change is from 2018 actual to 2019 budget year.



Fiscal Year 2019 Budget

flowing solutions

Rates and Rate Structures

COLETO CREEK RECREATION SYSTEM (cont)	2017 Actual	2018 Actual	2019 Budget	Unit of Measure	% Change	Effective Date
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	\$290.00	\$310.00	year	7%	Sep 01
Type II Lease (Minimum Annual Fee)	\$0.50	\$0.50	\$0.50	linear foot	-	Sep 01
Lease Modification Permit	\$75.00	\$75.00	\$100.00	permit	33%	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	\$11.00	\$15.00	acre	36%	Sep 01
Bowhunting Fee (weekend)	\$160.00	\$165.00	\$185.00	hunter	12%	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

LULING WTP DIVISION	2017 Actual	2018 Actual	2019 Budget	Unit of Measure	% Change	Effective Date
Water Treatment Plant Charge	\$1.207	\$1.334	\$1.492	1,000 gal.	12%	Sep 01
Treated Water Delivery System O&M Charge	\$0.377	\$0.346	\$0.378	1,000 gal.	9%	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	2017 Actual	2018 Actual	2019 Budget	Unit of Measure	% Change	Effective Date
Energy Charge	\$0.0133	\$0.0133	\$0.0133	kWh	-	Sep 01

LOCKHART DIVISION	2017 Actual	2018 Actual	2019 Budget	Unit of Measure	% Change	Effective Date
Septic Tank Waste	\$67.00	\$67.00	\$67.00	1,000 gal.	-	Sep 01
Hauler Annual Permit Fee	\$150.00	\$150.00	\$150.00	permit	-	Sep 01

Note: Rate changes for new budget year are highlighted; % change is from 2018 actual to 2019 budget year.

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 Hilltop Securities</i>	Underwriter Counsel	Bond Counsel <i>McCall, Parkhurst & Horton</i>
General Counsel	Rating Agency <i>Moody's and S&P</i>	Trustee
Paying Agent/Registrar	Bond Insurer	
Bond Printer		
POS/OS Printer		

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, 2019 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 8/31/2017	Retired During FY 2018	Outstanding 8/31/2018	Retired During FY 2019	Outstanding 8/31/2019
OBLIGATIONS PAYABLE DIRECTLY BY GBRA									
RURAL UTILITIES DIVISION									
Regions Bank Loan, Dunlap Collection System	03/15/2012	2032	3.3%	2,600,000	2,205,000	105,000	2,100,000	110,000	1,990,000
Regions Bank Loan, Emergency Generator-032	08/29/2014	2019	3.12%	33,000	13,812	6,797	7,015	7,015	--
Regions Bank Loan, Emergency Generator-033	08/29/2014	2019	3.12%	37,000	15,487	7,621	7,866	7,866	--
Wells Fargo Bank Loan, Generator-033	12/01/2016	2026	3.45%	97,050	91,568	8,463	83,105	8,760	74,345
Wells Fargo Bank Loan, Truck-041	12/01/2016	2026	3.45%	33,725	31,820	2,941	28,879	3,042	25,837
Wells Fargo Bank Loan, Belt Press-041	12/01/2016	2026	3.45%	374,225	353,083	32,637	320,446	33,780	286,666
WATER RESOURCE DIVISION									
U. S. Government Loan	01/01/1977	2026	2.5%	8,979,862	2,462,123	247,337	2,214,786	253,521	1,961,265
Luling Foundation Loan, Water Right Purchase	09/26/2006	2031	4.50%	584,706	391,530	20,681	370,849	21,612	349,237
Ussery Loan, Water Right Purchase	09/26/2006	2031	4.50%	343,496	230,016	12,149	217,867	12,696	205,171
General Improvement & Refunding Rev Bonds	03/01/2011	2030	3.0-4.375%	10,745,000	7,380,000	520,000	6,860,000	545,000	6,315,000
General Improvement Rev Bonds, 2012 (Mid-1)	04/05/2012	2031	0.14-1.86%	4,400,000	3,285,000	220,000	3,065,000	225,000	2,840,000
General Improvement Rev Bonds, 2015 (SWIR)	11/15/2015	2035	1.83-3.17%	2,000,000	2,000,000	--	2,000,000	--	2,000,000
Total Obligations Payable Directly by GBRA				\$30,228,064	18,459,439	\$1,183,626	\$17,275,813	\$1,228,292	\$16,047,521
OBLIGATIONS PAYABLE PURSUANT TO CONTRACTS									
WATER RESOURCE DIVISION									
Western Canyon Regional Water Supply Project Revenue Bonds									
2013A	07/10/2013	2033	1.0-5.0%	55,265,000	47,070,000	2,030,000	45,040,000	2,115,000	42,925,000
Western Canyon Regional Water Supply Project Revenue Bonds									
2013B	07/10/2013	2033	909-4.633%	6,830,000	5,735,000	270,000	5,465,000	275,000	5,190,000
IH 35 Project Combined Revenue Bonds									
2013	04/17/2013	2037	2.0-5%	19,470,000	16,755,000	585,000	16,170,000	600,000	15,570,000
RRWDS Combined Revenue Bonds									
2007A	09/15/2007	2039	5.0%	9,180,000	7,855,000	7,855,000	--	--	--
RRWDS Combined Revenue Bonds, Taxable									
2007B	09/15/2007	2039	7.1%	5,775,000	5,145,000	105,000	5,040,000	110,000	4,930,000
Regional Raw Wtr Delivery System Bonds, San Marcos									
2010	08/01/2010	2024	2.0-3.25%	6,895,000	3,815,000	490,000	3,325,000	500,000	2,825,000
San Marcos Water Treatment Plant Revenue Bonds									
2016	11/22/2016	2036	2.0-5%	4,850,000	4,850,000	90,000	4,760,000	95,000	4,665,000
Regional Raw Wtr Delivery System Bonds, San Marcos									
2017	07/20/2017	2039	2.0-4.0%	7,745,000	--	290,000	7,455,000	245,000	7,210,000
GONZALES CARRIZO GROUNDWATER DIVISION									
General Improvement Subordinate Lien Revenue Bonds									
2017	11/15/2017	2020	1.44-5.0%	31,140,000	--	--	31,140,000	--	31,140,000
WESTERN CANYON WATER TREATMENT PLANT DIVISION									
Western Canyon Revenue Bonds, Aeration									
2017	10/15/2017	2039	1.09-3.4%	4,105,000	--	185,000	3,920,000	105,000	3,815,000
PORT LAVACA WATER TREATMENT PLANT DIVISION									
Frost National Bank Loan	03/04/2008	2022	4.0%	400,000	251,687	52,040	199,647	54,190	145,457
LULING WATER TREATMENT PLANT DIVISION									
Treated Water Delivery System Contract Revenue Refunding Bonds									
2014	02/26/2014	2030	3.45%	4,950,000	4,215,000	260,000	3,955,000	275,000	3,680,000
Total Contract Revenue Bonds				\$156,605,000	\$95,691,687	\$12,212,040	\$126,469,647	\$4,374,190	\$122,095,457
Total Revenue Bonds and Long-Term Loans Payable					\$114,151,126		\$143,745,460		\$138,142,978

Debt Obligations – Amortization Schedules

DUNLAP WASTEWATER TREATMENT PLANT AMORTIZATION SCHEDULE FOR REGIONS BANK

YR ENDING AUGUST 31	PRINCIPAL	INTEREST	TOTAL REQUIREMENTS
2019	\$110,000	\$68,303	\$178,303
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
	\$2,100,000	\$569,803	\$2,669,803

REGIONS BANK, RURAL UTILITIES DIVISION LOAN EMERGENCY GENERATORS

YR END AUG 31	CANYON PARK WWTP			DUNLAP WWTP		
	PRINCIPAL	INTEREST	TOTAL	PRINCIPAL	INTEREST	TOTAL
2019	\$7,015	\$121	\$7,136	\$7,866	\$136	\$8,002



Debt Obligations – Amortization Schedules

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
2019	\$8,760	\$2,729	\$11,489	\$3,042	\$950	\$3,992	\$33,780	\$10,525	\$44,305
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	3,800	27	3,827	1,320	10	1,330	14,663	106	14,769
	<u>\$83,103</u>	<u>\$12,636</u>	<u>\$95,739</u>	<u>\$28,874</u>	<u>\$4,390</u>	<u>\$33,266</u>	<u>\$320,450</u>	<u>\$48,725</u>	<u>\$369,175</u>

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

YR ENDING AUGUST 31	PRINCIPAL	INTEREST	TOTAL REQUIREMENTS
2019	\$253,521	\$55,369	\$308,890
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>\$2,214,786</u>	<u>\$256,333</u>	<u>\$2,471,120S</u>

Debt Obligations – Amortization Schedules

WATER RIGHT PURCHASE AMORTIZATION SCHEDULE

YREND AUG 31	<u>LULING FOUNDATION</u>			<u>ABNER USSERY</u>			TOTAL REQ'S
	PRINCIPAL	INTEREST	TOTAL	PRINCIPAL	INTEREST	TOTAL	
2019	\$21,612	\$16,688	\$38,300	\$12,696	\$9,804	\$22,500	\$60,800
2020	22,584	15,716	38,300	13,267	9,233	22,500	60,800
2021	23,600	14,700	38,300	13,864	8,636	22,500	60,800
2022	24,662	13,638	38,300	14,488	8,012	22,500	60,800
2023	25,772	12,528	38,300	15,140	7,360	22,500	60,800
2024	26,932	11,368	38,300	15,822	6,678	22,500	60,800
2025	28,144	10,156	38,300	16,534	5,966	22,500	60,800
2026	29,410	8,890	38,300	17,278	5,222	22,500	60,800
2027	30,734	7,566	38,300	18,055	4,445	22,500	60,800
2028	32,117	6,183	38,300	18,867	3,633	22,500	60,800
2029	33,562	4,738	38,300	19,717	2,783	22,500	60,800
2030	35,072	3,228	38,300	20,604	1,896	22,500	60,800
2031	36,653	1,647	38,300	21,534	966	22,500	60,800
	\$370,854	\$127,046	\$497,900	\$217,866	\$74,634	\$292,500	\$790,400

GENERAL IMPROVEMENT & REFUNDING REVENUE BONDS, SERIES 2011

YR END AUG 31	<u>WATER RIGHT CONTRACT BUYOUT</u>			<u>REFUNDING OFFICE EXPANSION</u>			TOTAL REQ's
	PRINCIPAL	INTEREST	TOTAL	PRINCIPAL	INTEREST	TOTAL	
2019	\$330,000	\$190,662.50	\$520,663	\$215,000	\$92,043.76	\$307,044	\$827,707
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
	\$4,575,000	\$1,283,244	\$5,858,246	\$2,285,000	\$494,444	\$2,779,445	\$8,637,691

Debt Obligations – Amortization Schedules

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

YR END AUG 31	PRINCIPAL	INTEREST	TOTAL REQ's
2019	\$225,000	\$37,295	\$262,295
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
	\$3,065,000	\$321,582	\$3,386,582

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

YREND AUG 31	SERIES 2013A BONDS			TAXABLE SERIES 2013B BONDS			TOTAL REQUIREMENTS
	PRINCIPAL	INTEREST	2013A TOTAL	PRINCIPAL	INTEREST	2013B TOTAL	
2019	\$2,115,000	\$2,215,700	\$4,330,700	\$275,000	\$233,340	\$508,340	\$4,839,040
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
	\$45,040,000	\$19,886,250	\$64,926,250	\$5,465,000	\$2,158,765	\$7,623,765	\$72,550,015

Debt Obligations – Amortization Schedules

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

YEAR ENDING AUGUST 31	PRINCIPAL	INTEREST	TOTAL REQUIREMENTS
2019	\$600,000	\$601,831	\$1,201,831
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>\$16,170,000</u>	<u>\$6,589,270</u>	<u>\$22,759,270</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	
2019	\$110,000	\$356,682	\$466,682	\$245,000	\$256,531	\$501,531	\$968,213
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
	\$5,040,000	\$4,790,632	\$9,835,632	\$7,455,000	\$3,124,996	\$10,573,996	\$20,409,628

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
2019	\$490,000	\$108,756	\$598,756
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>\$3,815,000</u>	<u>\$431,675</u>	<u>\$4,246,675</u>

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

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

YEAR ENDING AUGUST 31	PRINCIPAL	INTEREST	TOTAL REQUIREMENTS
2019	\$95,000	\$172,881	\$267,881
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>\$4,760,000</u>	<u>\$2,362,978</u>	<u>\$7,122,978</u>

Debt Obligations – Amortization Schedules

SUBORDINATE LIEN CONTRACT REVENUE BONDS, SERIES 2017 REGIONAL RAW WATER DELIVERY SYSTEM EXPANSION PROJECT AMORTIZATION SCHEDULE

YEAR ENDING AUGUST 31	PRINCIPAL	INTEREST	TOTAL REQUIREMENTS
2019	\$245,000	\$256,531	\$501,531
2020	250,000	251,631	501,531
2021	260,000	244,131	504,131
2022	270,000	236,331	506,331
2023	275,000	228,231	503,231
2024	290,000	217,231	507,231
2025	295,000	205,631	500,631
2026	310,000	193,831	503,831
2027	320,000	181,431	501,431
2028	330,000	168,631	498,631
2029	350,000	155,431	505,431
2030	360,000	141,431	501,431
2031	375,000	122,031	502,031
2032	395,000	112,031	507,031
2033	410,000	96,231	506,231
2034	420,000	89,931	503,931
2035	435,000	71,331	506,331
2036	445,000	58,281	503,281
2037	460,000	44,375	504,375
2038	470,000	30,000	500,000
2039	490,000	15,313	505,313
	<u>\$7,455,000</u>	<u>\$3,119,996</u>	<u>\$10,573,896</u>

GENERAL IMPROVEMENT SUBORDINATE LIEN REVENUE BONDS, SERIES 2017 GONZALES CARRIZO GROUNDWATER PROJECT

YEAR ENDING AUGUST 31	PRINCIPAL	INTEREST	TOTAL REQUIREMENTS
2019	\$0	\$1,303,999	\$1,303,999
2020	0	1,557,000	1,557,000
2021	31,140,000	389,250	31,529,250
	<u>\$31,140,000</u>	<u>\$3,250,249</u>	<u>\$34,390,249</u>

Debt Obligations – Amortization Schedules

PORT LAVACA WTP CLEARWELL FROST NATIONAL BANK

YEAR ENDING AUGUST 31	PRINCIPAL	INTEREST	TOTAL REQUIREMENTS
2019	\$54,190	\$7,098	\$61,288
2020	56,416	4,872	61,288
2021	58,760	2,528	61,288
2022	30,281	360	30,641
	<u>\$199,647</u>	<u>\$14,858</u>	<u>\$214,505</u>

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

YR ENDING AUGUST 31	PRINCIPAL	INTEREST	TOTAL REQUIREMENTS
2019	\$275,000	\$131,704	\$406,704
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>\$3,955,000</u>	<u>\$873,454</u>	<u>\$4,828,454</u>

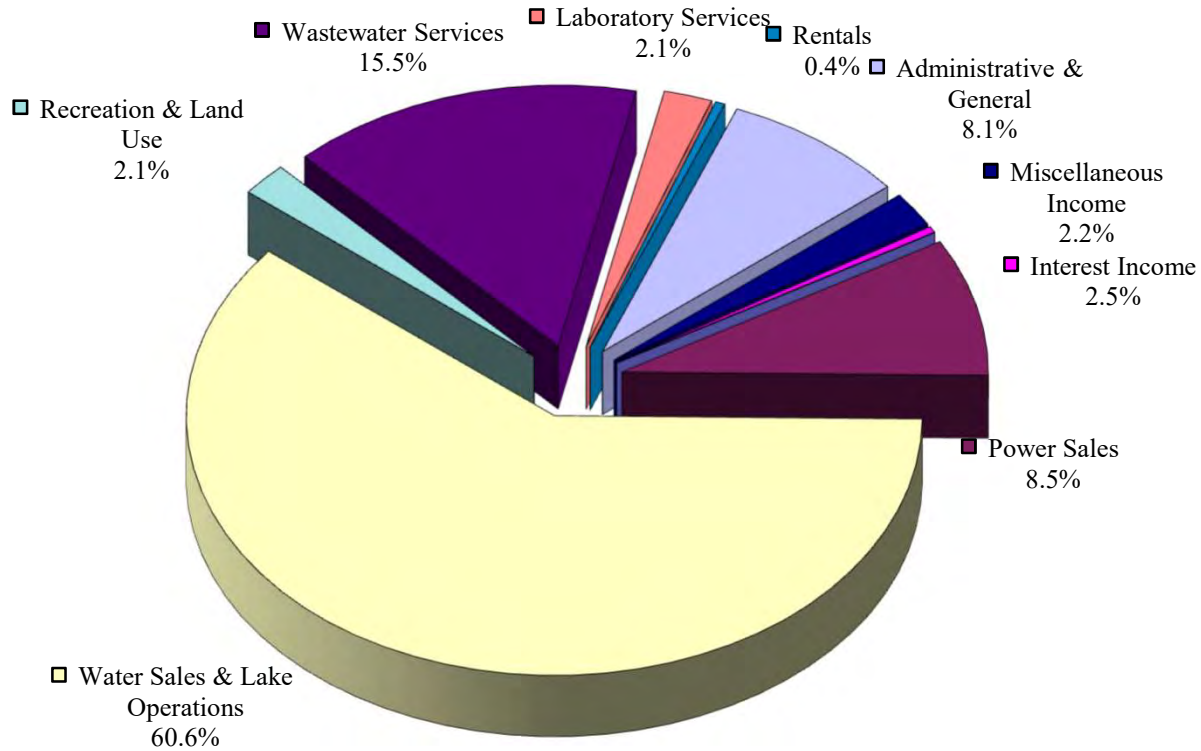


Fiscal Year 2019 Budget

flowing solutions

Budget Summary

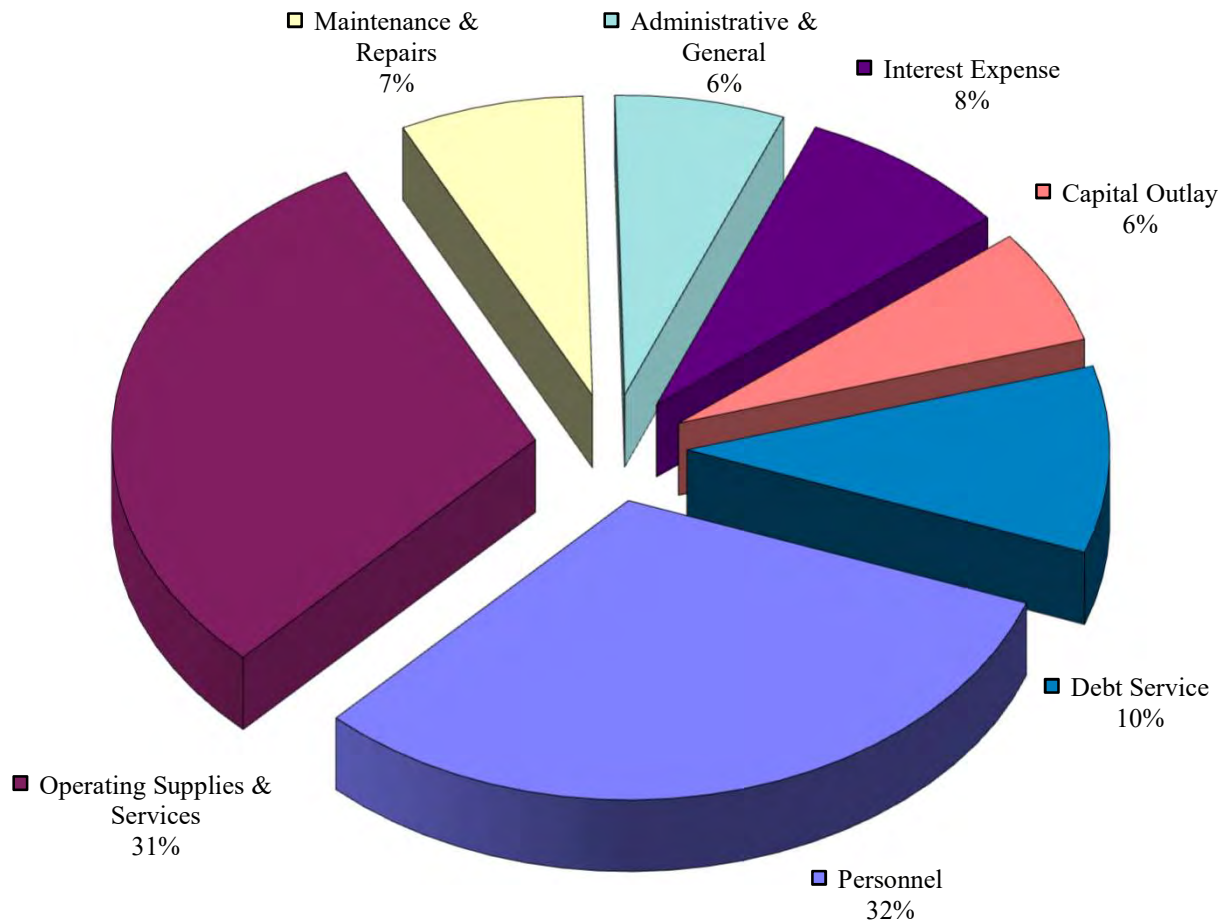
REVENUES



Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales	3,868,917	3,988,040	3,988,390
Water Sales & Lake Operations	27,062,342	27,146,170	28,344,283
Recreation & Land Use	780,403	937,240	967,157
Wastewater Services	4,372,609	5,212,775	7,240,838
Laboratory Services	1,006,168	975,000	995,222
Rentals	251,676	235,414	198,588
Administrative & General	3,115,380	3,653,322	3,807,231
Miscellaneous Income	7,598,949	1,885,333	1,016,489
Total Operating Revenue	48,056,444	44,033,294	46,558,198
Interest Income	197,233	190,590	180,050
Capacity Charge Revenue	8,987,330	9,587,639	9,638,460
O&M Pipeline Revenue	2,164,306	2,321,347	2,417,133
Pass-Through Cost Reimbursement		914,560	1,103,007
Total	59,405,313	57,047,430	59,896,848

Budget Summary

EXPENSES



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel	15,110,414	16,648,089	18,497,977
Operating Supplies & Services	12,723,879	15,866,804	17,883,921
Maintenance & Repairs	3,275,783	3,979,226	4,117,454
Administrative & General	2,847,926	3,377,188	3,807,229
Total Operating Expenses	33,958,002	39,871,307	44,306,581
Interest Expense	4,381,300	5,183,599	4,784,874
Capital Outlay	9,344,317	5,812,229	3,633,881
Debt Service	4,703,843	5,617,262	5,904,557
Grand Total Expenses	52,387,462	56,484,397	58,629,893

Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019

CONSOLIDATED

OPERATING BUDGET	FY 2018 BUDGET	FY 2019 BUDGET	FY 2019-2018 DIFFERENCE
OPERATING REVENUES			
Water Treatment			
41101 PLANT O&M	965,264	1,028,493	63,229
41102 PLANT A&G	77,933	92,675	14,742
41110 PL-RAW WATER DELIVERY	96,296	101,798	5,502
41111 PL-PLANT O&M INCOME	847,160	893,115	45,955
41112 PL-PLANT A&G INCOME	97,498	108,319	10,821
41113 PL-ADD TO PLANT & EQUIP	104,991	-	(104,991)
41115 POC-RAW WATER PURCHASES	17,588	18,592	1,004
41116 POC-PLANT O&M INCOME	228,439	284,246	55,807
41117 POC-PLANT A&G INCOME	26,289	34,624	8,335
41118 POC-ADD TO PLANT & EQUIP	34,129	-	(34,129)
41125 RW-RAW WATER PURCHASE	16,504	17,447	943
41126 RW-WATER TREATMENT	161,733	161,994	261
41127 RW-PLANT A&G INCOME	18,613	19,664	1,051
41128 RW-PLANT ADD TO PLANT & EQUIP	21,973	-	(21,973)
41135 LU/LO TREATMENT PLANT CHARGE	567,933	612,855	44,922
41137 W/S-LU/LO DELIVERY SYSTEM	143,532	149,374	5,842
Total Water Treatment	3,425,875	3,523,196	97,321
Wastewater Treatment			
41201 WW-OPR & MAINTENANCE	2,445,808	2,868,806	422,998
41202 WW-ADMINISTRATIVE & GENERAL	170,060	216,818	46,758
41203 WW-EQUIPMENT	7,000	-	(7,000)
41207 WW-CREDIT TO CUSTOMER	(300,160)	(301,800)	(1,640)
41208 WW-CREDIT INT EARNINGS	(2,250)	-	2,250
Total Wastewater Treatment	2,320,458	2,783,824	463,366
Hydroelectric			
41301 POWER SALES	516,075	571,980	55,905
Total Hydroelectric	516,075	571,980	55,905
Industrial Reservoir Operations			
41401 COLETO CREEK POWER-O&M EXP	922,367	922,754	387
41402 COLETO CREEK POWER-A&G EXP	28,549	27,310	(1,239)

Total Industrial Reservoir Operations		950,916	950,064	(852)
Wholesale Water Sales				
42101	CANYON-COLETO CREEK POWER	868,500	881,000	12,500
42102	CANYON-INEOS	159,225	161,517	2,292
42103	CANYON-PORT LAVACA WTP	129,696	197,344	67,648
42104	CANYON-CCRWSC	10,567	10,719	152
42105	CANYON-CITY OF SEGUIN	144,750	146,833	2,083
42106	CANYON-GONZALES COUNTY WSC	50,663	51,392	729
42107	CANYON-SPRINGS HILL WSC	412,538	418,475	5,937
42108	CANYON-REBECCA CREEK MUD	18,818	19,088	270
42109	CANYON-CRWA-HAYS CO, SAN MARCOS	295,001	299,246	4,245
42110	CANYON-SEADRIFT COKE	48,347	49,042	695
42111	CANYON-UNION CARBIDE	14,475	14,683	208
42112	CANYON-STANDARD GYPSUM	37,346	41,508	4,162
42113	CANYON-STRUCTURAL METALS	101,325	102,783	1,458
42114	CANYON-NEW BRAUNFELS UTILITIES	1,406,970	1,427,220	20,250
42115	CANYON-CRYSTAL CLEAR WSC	115,800	117,467	1,667
42116	CANYON-CANYON REGIONAL WATER AUTH	1,700,919	1,745,414	44,495
42117	CANYON-CANYON LAKE WSC	926,400	939,734	13,334
42118	CANYON-CITY OF SAN MARCOS	1,447,500	1,468,333	20,833
42119	CANYON-GUADALUPE POWER PARTNERS	990,090	1,004,340	14,250
42120	CANYON-CITY OF KYLE	787,874	799,214	11,340
42121	CANYON-GREEN VALLEY SUD	144,750	146,833	2,083
42122	CANYON-HAYS ENERGY LTD PARTNERSHIP	356,664	361,797	5,133
42123	CANYON-CITY OF FAIR OAKS	267,788	271,642	3,854
42124	CANYON-SAN ANTONIO WATER SYSTEMS	1,013,341	1,029,194	15,853
42125	CANYON-CITY OF BOERNE	522,692	530,215	7,523
42126	CANYON-GBRA-COMAL TRACE	14,475	11,747	(2,728)
42127	CANYON-SAN JOSE-PARK VILLAGE	46,610	47,280	670
42128	CANYON-JACQUELYN COUSER	14,475	14,683	208
42129	CANYON-BREMER RANCH, LTD	14,475	14,683	208
42130	CANYON-CITY OF BLANCO	86,850	88,100	1,250
42131	CANYON-FORESIGHT	41,978	42,582	604
42132	CANYON-CORDILLERA RANCH, LTD	217,125	220,250	3,125
42133	CANYON-KENDALL COUNTY/TAPATIO SPRINGS	108,563	110,125	1,562
42134	CANYON-CITY OF BUDA	243,180	246,680	3,500
42135	CANYON-DH INV-JOHNSON RANCH	130,275	132,150	1,875
42136	CANYON-GOFORTH SUD	324,674	329,347	4,673
42137	CANYON-HH RANCH PROPERTIES	36,188	36,708	520
42138	CANYON-SUNFIELD	281,249	285,297	4,048
42139	CANYON-MONARCH UTILITIES, LP	81,060	82,227	1,167
42140	CANYON-MIRALOMAS MUD	108,563	110,125	1,562
42141	CANYON-SMALL WATER SALES	54,918	58,482	3,564
42170	CANAL-PT LAVACA	96,295	101,798	5,503
42171	CANAL-RURAL WATER	16,504	17,447	943
42172	CANAL-CARBIDE	794,635	840,042	45,407

42173	CANAL-INEOS	219,657	230,118	10,461
42174	CANAL-SPRINKLER IRRIGATION	27,000	27,000	-
42175	CANAL-SEADRIFT COKE	24,792	25,922	1,130
42176	CANAL-CRAWFISH FARM	9,000	9,000	-
42177	CANAL-PONDS & RIGS	12,100	12,100	-
42178	CANAL-WATERFOWL	15,600	15,600	-
42179	CANAL-POC IDC	17,588	18,592	1,004
42180	CANAL-CATFISH FARM	8,700	8,700	-
42181	CANAL-OTHER	18,000	18,000	-
Total Wholesale Water Sales		15,036,568	15,389,818	353,250
Wholesale Water Treatment				
42201	ANNUAL SERVICE FEE INCOME	939,225	963,308	24,083
42230	WCANYON WTP O&M	3,920,020	3,920,020	-
Total Wholesale Water Treatment		4,859,245	4,883,328	24,083
Retail Water Sales				
42301	WATER SALES	2,327,119	3,111,907	784,788
42302	WHOLESALE WATER SALES	14,879	52,500	37,621
42310	WATER CONNECTION FEES	125,836	173,836	48,000
42320	WATER MEMBERSHIP FEES	28,800	28,800	-
42350	CHARGES TO DEVELOPERS	376,932	230,834	(146,098)
Total Retail Water Sales		2,873,566	3,597,877	724,311
Retail Wastewater				
42401	WASTEWATER SERVICES	2,088,000	3,035,224	947,224
42402	SEWER CONNECTION/INSP FEES	451,975	1,395,788	943,813
42404	SERVICE CALL INCOME	26,000	26,000	-
42406	DUNLAP DEVELOPER PAYMENTS	116,000	-	(116,000)
42450	CHARGES TO DEVELOPERS	210,342	-	(210,342)
Total Retail Wastewater		2,892,317	4,457,012	1,564,695
Pipeline Revenue				
42501	O&M-IH35, BUDA	63,461	46,994	(16,467)
42502	O&M-IH35, GOFORTH	128,083	112,785	(15,298)
42503	O&M-IH35, KYLE	173,865	187,975	14,110
42504	O&M-IH35, MONARCH	50,762	34,287	(16,475)
42550	O&M-RRWDS	1,208,084	1,306,238	98,154
42553	O&M-GPP	541,548	564,885	23,337
42570	O&M-SMWTP, COSM	(590,784)	(804,023)	(213,239)
42571	O&M-SMWTP, BUDA	113,808	119,070	5,262
42572	O&M-SMWTP, GOFORTH	229,692	285,768	56,076
42573	O&M-SMWTP, KYLE	311,796	476,280	164,484
42574	O&M-SMWTP, MONARCH	91,032	86,874	(4,158)
Total Pipeline Revenue		2,321,347	2,417,133	95,786
Hydroelectric				

42701	ENERGY CHARGE	1,953,865	1,901,270	(52,595)
42702	FACILITY CHARGE	1,500,000	1,500,000	-
42703	CREDIT-RENEWALABLE ENERGY	18,100	15,140	(2,960)
	Total Hydroelectric	3,471,965	3,416,410	(55,555)
	Laboratory			
42801	REV-LABORATORY SERVICES	975,000	995,222	20,222
	Total Laboratory	975,000	995,222	20,222
	Recreation & Other Rentals			
42901	REV-FACILITY RENTAL	32,000	32,000	-
42902	REV-PARK ENTRY FEES	758,840	774,497	15,657
42903	REV-CONCESSIONS/STORE CHARGES	-	14,208	14,208
42915	REV-SPONSORSHIPS	22,000	10,752	(11,248)
42920	REV-HUNTING REVENUE	36,000	37,000	1,000
42921	REV-HYDRO HOUSE RENTALS	6,000	6,000	-
42922	REV-AG & LAND USE	82,400	92,700	10,300
	Total Recreation & Other Rentals	937,240	967,157	29,917
	Internal Transfers			
43001	REV-ADMIN & GEN CHARGES	3,653,322	3,807,231	153,909
43002	REV-BUILDING RENTAL	235,414	198,588	(36,826)
	Total Internal Transfers	3,888,736	4,005,819	117,083
	Operating Interest			
44101	INT-OPR CASH ACCOUNTS	24,760	38,760	14,000
44110	INT-OPR INVESTMENT FUNDS	147,300	124,000	(23,300)
44111	INT-INSURANCE FUND	7,900	7,900	-
44112	INT-WORKERS COMP FUND	1,995	1,995	-
44113	INT-PROPERTY RESERVE FUND	525	735	210
44115	INT-LU/LO OPR FUND	5,000	5,000	-
	Total Operating Interest	187,480	178,390	(9,090)
	Restricted Interest			
44201	INT-RESTRICTED FUNDS	1,450	1,000	(450)
44207	INT-2012 DUNLAP RESERVE FUND	1,000	-	(1,000)
44216	INT-2014 LU/LO I&S FUND	660	660	-
	Total Restricted Interest	3,110	1,660	(1,450)
	Misc Income			
45110	HYDRO MODIFICATION PERMITS	36,000	24,000	(12,000)
45120	INSPECTION FEE INCOME-BULVERDE	56,250	-	(56,250)
45195	MISCELLANEOUS REVENUES	791,122	509,725	(281,397)
	Total Misc Income	883,372	533,725	(349,647)
	Pass-Through Costs			
45240	PASS-THROUGH-ELECTRIC COSTS	379,524	379,524	-

45241	PASS-THROUGH-CHEMICAL COSTS	297,734	482,181	184,447
45242	PASS-THROUGH-GNDWTR ELECTRIC COSTS	109,186	109,186	-
45243	PASS-THROUGH-GNDWTR CHEMICAL COSTS	15,736	17,536	1,800
45244	PASS-THROUGH-INSURANCE	37,100	35,300	(1,800)
45245	PASS-THROUGH-LOC	9,280	9,280	-
45246	PASS-THROUGH-INSPECTION	66,000	70,000	4,000
	Total Pass-Through Costs	914,560	1,103,007	188,447
Grant & Interlocal Agreement Income				
45301	GRANTS-FEDERAL	866,583	308,849	(557,734)
45302	GRANTS-STATE	135,378	30,000	(105,378)
45303	GRANTS-CLEAN RIVERS PROGRAM	-	117,156	117,156
45320	INTERLOCAL-CONTRIBUTED BY CUSTOMERS	-	26,759	26,759
	Total Grant & Interlocal Agreement Income	1,001,961	482,764	(519,197)
	Total Operating Revenue	47,459,791	50,258,386	2,798,595

OPERATING EXPENSES

Salaries				
51101	LBR-REGULAR WAGES	11,326,241	12,636,071	1,309,830
51102	LBR-OVERTIME	550,880	587,981	37,101
	Total Salaries	11,877,121	13,224,052	1,346,931
Benefits				
51201	BEN-FICA/MED	878,610	990,488	111,878
51202	BEN-RETIREMENT	1,669,942	2,375,606	705,664
51203	BEN-HEALTH INSURANCE	1,670,861	1,749,218	78,357
51204	BEN-LIFE INSURANCE & LTD	106,184	123,113	16,929
51220	BEN-OTHER BENEFIT EXP	37,350	35,500	(1,850)
51298	BEN-BENEFIT ALLOCATION	408,021	-	(408,021)
	Total Benefits	4,770,968	5,273,925	502,957
Operating Supplies & Services				
52101	OPR-POWER & UTILITIES	4,044,889	4,207,154	162,265
52102	OPR-AUXILIARY POWER EXPENSE	71,501	71,876	375
52103	OPR-CHEMICALS	1,437,890	1,605,202	167,312
52110	OPR-SMALL TOOLS AND SUPPLIES	65,660	107,486	41,826
52111	OPR-PUBLIC COMMUNICATIONS	128,000	122,500	(5,500)
52113	OPR-LAB SUPPLIES	434,048	550,875	116,827
52114	OPR-LABORATORY SERVICES-GBRA	6,685	256,407	249,722
52115	OPR-LABORATORY SERVICES-OUTSOURCED	90,000	65,000	(25,000)
52118	OPR-DISPOSAL SERVICES	924,262	986,852	62,590
52120	OPR-UNIFORMS	69,454	75,240	5,786
52121	OPR-SAFTY & EMERGENCY EXPENSE	94,480	112,091	17,611
52122	OPR-SECURITY EXPENSE	51,238	37,338	(13,900)

52123	OPR-EQUIPMENT RENTAL	115,703	96,923	(18,780)
52124	OPR-EQUIPMENT EXPENSE	149,324	151,808	2,484
52125	OPR-VEHICLE EXPENSE	311,984	301,264	(10,720)
52126	OPR-FLEET LEASE EXPENSE	-	106,200	106,200
52127	OPR-EQUIP USE CREDIT	(48,000)	(48,000)	-
52128	OPR-MOWING EXPENSE	89,000	89,000	-
52132	OPR-GAUGING AND MONITORING	89,444	90,864	1,420
52133	OPR-SCADA	95,300	105,220	9,920
52135	OPR-PROCESS/SPECIAL OPERATING	180,479	313,286	132,807
52136	OPR-EMPLOYEE RELATIONS	20,000	30,000	10,000
52137	OPR-MEMBERSHIPS & PUBLICATIONS	46,470	51,042	4,572
52138	OPR-TRAINING & EDUCATION	144,062	178,431	34,369
52140	OPR-TRAVEL	187,416	162,824	(24,592)
52145	OPR-CONTRACT LABOR	54,800	185,290	130,490
52150	OPR-WATER PURCHASES/DELIVERY	1,425,502	1,632,936	207,434
52155	OPR-TRANSMISSION CHARGES	50,000	45,000	(5,000)
Total Operating Supplies & Services		10,329,591	11,690,109	1,360,518
Professional Services and Fees				
52201	OPR-PROFESSIONAL SERVICES-ENGINEERING	2,600	245,500	242,900
52204	OPR-PROFESSIONAL SERVICES-EMPLOYEE RELATED	129,000	201,004	72,004
52205	OPR-PROFESSIONAL SERVICES-OTHER	1,571,526	1,812,373	240,847
52210	OPR-CORPS OF ENGINEERS	850,000	850,000	-
52211	OPR-USGS MONITORING	194,000	184,000	(10,000)
52214	OPR-EAA HABITAT CONSERVATION	400,000	400,000	-
52216	OPR-REGULATORY FEES	251,210	264,990	13,780
52217	OPR-INSPECTION FEES	155,684	148,874	(6,810)
52218	OPR-ACCREDITATION FEES	3,600	3,600	-
52219	OPR-CUSTOMER BILLING FEES	25,000	24,500	(500)
52220	OPR-BANK FEES	59,680	53,522	(6,158)
Total Professional Services and Fees		3,642,300	4,188,363	546,063
Office Expenses				
52301	OPR-OFFICE SUPPLIES	119,184	123,216	4,032
52302	OPR-COMPUTER SUPPLIES	274,845	308,625	33,780
52304	OPR-COPY SUPPLIES AND SERVICES	28,000	30,400	2,400
52305	OPR-POSTAGE AND FREIGHT EXPENSE	18,000	18,950	950
52306	OPR-COMMUNICATIONS	143,991	170,688	26,697
52321	OPR-ECONOMIC DEVELOPMENT	110,000	105,000	(5,000)
52322	OPR-MEDIA EXPENSE	35,530	31,010	(4,520)
52330	OPR-OUTSOURCED PRINTING EXPENSE	51,000	49,000	(2,000)
52331	OPR-JANITORIAL SUPPLIES AND SERVICE	36,000	35,328	(672)
Total Office Expenses		816,550	872,217	55,667
Other Operating Expenses				
52401	OPR-DIRECTORS EXPENSES	65,000	55,000	(10,000)
52402	OPR-RENT EXPENSE	22,300	22,300	-

52403	OPR-BUILDING RENTAL	187,876	206,778	18,902
52404	OPR-RIGHT OF WAY	11,400	11,670	270
52420	OPR-INSURANCE EXPENSE	637,300	673,400	36,100
52430	OPR-MISC EXPENSE	154,487	164,084	9,597
	Total Other Operating Expenses	1,078,363	1,133,232	54,869
	SUBTOTAL OF OPERATIONAL EXPENSES	32,514,893	36,381,898	3,867,005
	Maintenance and Repair Equipment			
53101	M&R-EQUIPMENT	495,285	554,792	59,507
53105	M&R-GENERATORS	88,056	48,576	(39,480)
53110	M&R-CONTROL SYSTEMS	97,126	194,326	97,200
53115	M&R-METERS AND PUMPS	112,562	97,690	(14,872)
53120	M&R-BOATS	10,800	11,400	600
53130	M&R-HYDROELECTRIC	111,600	120,000	8,400
	Total Maintenance and Repair Equipment	915,429	1,026,784	111,355
	Structures			
53201	M&R-BUILDING	197,041	196,604	(437)
53202	M&R-CLEARWELLS	8,952	9,300	348
53205	M&R-PUMPS AND MOTORS	402,381	407,014	4,633
53210	M&R-GATES AND VALVES	128,367	81,375	(46,992)
53215	M&R-LIFTSTATIONS	40,700	45,200	4,500
53216	M&R-PUMPSTATIONS	128,092	185,800	57,708
53220	M&R-CLARIFIERS	111,400	122,810	11,410
53225	M&R-FENCES	6,000	6,000	-
53230	M&R-PIPELINES	63,200	63,680	480
53235	M&R-TRANSMISSION LINES	147,612	163,000	15,388
53237	M&R UV SYSTEM	11,208	-	(11,208)
53238	M&R-FILTERS	90,278	88,948	(1,330)
53240	M&R-SPILLGATES	250,480	250,480	-
53245	M&R-POWERHOUSE	123,330	151,000	27,670
53250	M&R-LAKE STRUCTURES	4,224	4,224	-
53251	M&R-PARK STRUCTURES	8,104	10,704	2,600
	Total Structures	1,721,369	1,786,139	64,770
	Other Maintenance & Repairs			
53301	M&R-ROADS	48,720	29,520	(19,200)
53302	M&R-WELLS	79,104	79,500	396
53305	M&R-RIGHT OF WAY	26,808	26,800	(8)
53310	M&R-GROUNDS	283,444	271,536	(11,908)
53315	M&R-CAMP AND PICNIC SITES	36,229	28,916	(7,313)
53320	M&R-PONDS AND LAGOONS	11,209	11,209	-
53324	M&R-REMOVE LOG JAMS	26,200	26,200	-
53325	M&R-GENERAL MAINTENANCE/CANALS	680,190	731,270	51,080
53399	M&R-MISC EXPENSE	150,524	99,580	(50,944)
	Total Other Maintenance & Repairs	1,342,428	1,304,531	(37,897)

SUBTOTAL OF M&R EXPENSES		3,979,226	4,117,454	138,228
Administrative & General				
54100	ADMINISTRATIVE & GENERAL	3,377,188	3,807,229	430,041
Total Administrative & General		3,377,188	3,807,229	430,041
Capital Expenses				
55002	GBRA-OWNED CAPITAL EXPENSE	-	135,000	135,000
Total Capital Expenses		-	135,000	135,000
Capital Outlay				
61101	LAND & WATER	301,000	-	(301,000)
61102	BUILDINGS	192,000	40,000	(152,000)
61103	EQUIPMENT	1,448,800	933,992	(514,808)
Total Capital Outlay		1,941,800	973,992	(967,808)
Transfers				
61505	TRANSFERS-DESIGNATED PROJECT FUND	2,991,303	1,506,479	(1,484,824)
61510	TRANSFERS-RESTRICTED/BOND COVENANT FUND	-	1,071,478	1,071,478
61515	TRANSFERS-RESERVE FUND	879,126	(53,068)	(932,194)
Total Transfers		3,870,429	2,524,889	(1,345,540)
TOTAL OPERATING AND M&R EXPENSES		45,683,536	47,940,462	2,256,926
Net Operating Income		1,776,255	2,317,924	541,669

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	408,935	405,913	(3,022)
41133	DEBT COVER-LU/LO PROJECT	40,894	40,591	(303)
41138	PLANT DEBT SERVICE	-	161,479	161,479
42601	DEBT SERV-RRWDS, COSM	666,043	662,220	(3,823)
42602	DEBT SERV-RRWDS, BUDA	110,107	103,985	(6,122)
42603	DEBT SERV-RRWDS, GOFORTH	180,556	170,518	(10,038)
42604	DEBT SERV-RRWDS, KYLE	357,820	337,928	(19,892)
42605	DEBT SERV-RRWDS, MONARCH	37,020	34,962	(2,058)
42606	DEBT SERV-RRWDS, SUNFIELD	181,812	171,705	(10,107)
42607	DEBT SERV-RRWDS, CRWA	147,020	138,847	(8,173)
42608	DEBT SERV-RRWDS, HELP	161,617	152,632	(8,985)
42640	DEBT SERV-2013 IH35, -BUDA	167,523	167,523	-

42641	DEBT SERV-2013 IH35, GOFORTH	274,738	274,738	-
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	276,971	-
42655	DEBT SERV-2013 WCANYON, BREMER	9,501	9,501	-
42656	DEBT SERV-2013 WCANYON, BOERNE	463,154	463,154	-
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	461,729	447,478	(14,251)
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	3,451,568	3,465,819	14,251
42665	DEBT SERV-2013 WCANYON, KENDALL WEST	95,006	95,006	-
42670	DEBT SERV-2016 SMWTP, BUDA	37,048	37,458	410
42671	DEBT SERV-2016 SMWTP, GOFORTH	60,758	61,431	673
42672	DEBT SERV-2016 SMWTP, KYLE	120,035	121,364	1,329
42673	DEBT SERV-2016 SMWTP, MONARCH	12,349	12,486	137
42674	DEBT SERV-2016 SMWTP, SUNFIELD	61,252	61,931	679
42680	DEBT SERV-2017 TTHM, BOERNE	26,543	22,942	(3,601)
42681	DEBT SERV-2017 TTHM, BREMER	544	471	(73)
42682	DEBT SERV-2017 TTHM, CLWSC	19,655	16,989	(2,666)
42683	DEBT SERV-2017 TTHM, COMAL TRACE	2,042	1,765	(277)
42684	DEBT SERV-2017 TTHM, COUSER	544	471	(73)
42685	DEBT SERV-2017 TTHM, FAIR OAKS	26,461	22,871	(3,590)
42686	DEBT SERV-2017 TTHM, GBRA CORDILLERA	11,570	10,000	(1,570)
42687	DEBT SERV-2017 TTHM, JOHNSON RANCH	8,167	7,059	(1,108)
42688	DEBT SERV-2017 TTHM, KENDALL WEST	5,445	4,706	(739)
42689	DEBT SERV-2017 TTHM, MIRALOMAS	6,125	5,294	(831)
42690	DEBT SERV-2017 TTHM, SAWS	197,804	170,969	(26,835)
	Total Capacity Charge Revenue	9,587,639	9,638,460	50,821
12233	I/F LOAN PAID-RUD DIVISION	150,000	500,000	350,000
12236	I/F LOAN MADE-PARK VILLAGE	(269,428)	-	269,428
24201	I/F LOAN-GENERAL	119,428	(500,000)	(619,428)
	Total Debt Revenue	9,587,639	9,638,460	50,821
	Principal Payments Expense			
21101	LOAN-1977 CORP OF ENGINEERS	251,460	257,746	6,286
21103	LOAN-2006 WTR RIGHTS, Luling Foundation	20,681	21,612	931
21104	LOAN-2006 WTR RIGHTS, Ussery	12,149	12,696	547
21105	LOAN-2008 CLEARWELL, Frost	52,040	54,190	2,150
21106	LOAN-2012 DUNLAP EXP, Regions	105,000	110,000	5,000
21107	LOAN-2014 GENERATOR, Regions	14,418	7,015	(7,403)
21108	LOAN-2014 GENERATOR, Regions	8,460	7,866	(594)

21109 LOAN-2016 GENERATOR, Regions	-	8,760	8,760
21110 LOAN-2016 PRESS/TRUCK, WFargo	35,578	36,824	1,246
21150 LOAN-BUDGET PRINCIPAL	183,753	249,515	65,762
21201 BOND-2007 RRWDS	315,000	113,333	(201,667)
21202 BOND-2010 RRWDS	490,000	500,000	10,000
21203 BOND-2011 GEN IMP	522,083	546,667	24,584
21204 BOND-2012 MID-BASIN	220,417	225,000	4,583
21205 BOND-2013 IH35	585,000	602,083	17,083
21206 BOND-2013 WCANYON	2,337,500	2,429,583	92,083
21207 BOND-2014 LULO PIPELINE	268,750	275,000	6,250
21209 BOND-2016 SMWTP	90,417	95,000	4,583
21211 BOND-2017 RRWDS	-	246,667	246,667
21212 BOND-2017 WCANYON AERATION	104,556	105,000	444
Total Principal Payments Expense	5,617,262	5,904,557	287,295
Interest Expense			
57101 INT-LONG TERM LOANS	113,303	68,559	(44,744)
57102 INT-CLEARWELL, Frost	9,248	7,098	(2,150)
57103 INT-LULO BONDS	140,185	130,913	(9,272)
57201 INT-1977 CANYON COE	57,430	51,145	(6,285)
57202 INT-2006 WATER RIGHTS	-	26,492	26,492
57203 INT-2007 RRWDS	750,612	353,735	(396,877)
57204 INT-2010 RRWDS	115,494	102,018	(13,476)
57205 INT-2011 GEN IMP BONDS	301,773	280,890	(20,883)
57206 INT-2012 MID-BASIN BONDS	37,577	37,239	(338)
57207 INT-2013 IH35 BONDS	612,557	599,332	(13,225)
57208 INT-2013 WCANYON BONDS	2,499,413	2,410,023	(89,390)
57209 INT-2014 DUNLAP, Generator	3,024	2,729	(295)
57210 INT-2016 SMWTP	174,530	172,724	(1,806)
57211 INT-2016 PRESS/TRUCK, WFargo	-	11,473	11,473
57212 INT-2017 RRWDS	-	254,898	254,898
57214 INT-2017 WCANYON AERATION	172,626	133,325	(39,301)
57250 INT-BUDGET LOAN EXPENSE	195,827	142,281	(53,546)
Total Interest Expense	5,183,599	4,784,874	(398,725)
Total Debt Expense	10,800,861	10,689,431	(111,430)
Net Change in Debt Service Budget	(1,213,222)	(1,050,971)	162,251
Net Change in Fund Balance	563,033	1,266,953	703,920

GBRA Consolidated - Capital Outlay Expense

Division	Description	FY 2019
Capital Outlay Funded From Current Revenues		
010	Replacement Vehicle-Tahoe	\$ 40,000
010	Replace SAN Storage Array	\$ 25,000
010	Replace Virtualization Host Servers	\$ 15,000
010	Replace Web Servers	\$ 12,000
021	Aerial Work Platform-Replace 30ft wooden ladder	\$ 12,000
021	Remote Racking Device	\$ 11,000
030	Sludge Drying Box	\$ 35,000
041	Skid Steer w/dozer blade-Diversion System	\$ 91,000
041	Bucket truck	\$ 80,000
041	Replacement 4X4 Truck-Water Quality	\$ 45,000
041	Standby Unit to Cool VFD's-GPP	\$ 30,000
041	AC Unit for Pumpstation 2-RRWDS	\$ 30,000
041	Stream Table Trailer-Water Quality	\$ 14,000
050	Replacement Truck	\$ 30,000
050	Replacement SUV	\$ 30,000
050	Personnel Lift	\$ 20,000
053	Scada/PLC Upgrade with Ignition HMI	\$ 60,000
070	Distribution and Meter Replacement	\$ 225,000
070	Replace 4,000ft 6 inch Line-Bayside Beach	\$ 35,000
070	Replace 2,000ft 3 inch Line-Maria Street Loop	\$ 15,000
091	Replacement Tractor	\$ 55,992
092	Construction-2 New Rental Cabins	\$ 40,000
092	Replacement Playground Equipment	\$ 23,000
Total Capital Outlay Expense		\$ 973,992

GBRA Consolidated - Designated Project Fund

Division	Project Description	FY 2019	
Projects Funded From Current Revenues			
010	Asset Management Program	\$	250,000
033	Dunlap WWTP & Collection System Improvements	\$	565,000
043	Siphon/Radial Gate Improvements	\$	250,000
050	FM 3351 Pump Station Upgrades	\$	55,000
070	CCRWS Distribution & Meter System Improvements	\$	225,000
100	Emergency Generator (\$450,000, financed over 3 yrs)	\$	161,479
Total Designated Project Fund		\$	1,506,479



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 8/31/19

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 and education.

The General Division employs 36 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 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 2019 is estimated at \$3,807,231. The remainder of the Division's revenue is from interest on investments in the amount of \$27,530.

The total revenue budgeted for the General Division in FY 2019 is approximately 3.9% more than the previous year, exclusive of interfund loan repayment, with no change to the administrative rate charged to the various GBRA divisions. This amount is calculated based on the amount each division budgeted in FY 2019 for labor costs.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

The work plan for FY 2019 includes a projected 6.8% increase in total budgeted operating and maintenance expenditures from FY 2018 adjusted budget. The increase is primarily a result of budgeted capital outlay to improve and update GBRA's information technology business software as well as a replacement fleet vehicle. The largest single cost component of the Division budget is personnel costs at \$1,761,415. Other significant expenditures in FY 2019 are for power and utilities at \$90,000, professional fees at \$498,866 and capital outlay of \$92,000.

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 increasing from operating activities by \$566,813, which includes a \$500,000 interfund loan repayment from the Rural Utilities Division.



Staffing Summary

General	# of Authorized Positions (FTE)		
	2017	2018	2019
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
General Counsel	1	1	1
Executive Manager of Administration	---	1	1
Executive Manager of Finance/CFO	1	1	1
Executive Manager of Government Relations/Resource Mgmt	1	---	---
Assistant General Counsel	---	2	2
Deputy CFO-Accounting & Purchasing	1	1	1
Deputy CFO-Finance & Administration	1	1	1
Manager of Project Engineering	1	---	---
Technical Consultant	1	---	---
Accounting Manager	1	1	1
Human Resources Manager	1	1	1
Executive Assistant to the General Counsel	1	1	1
Executive Assistant to the General Manager	1	1	1
Grant Writer/Administrator	1	1	1
IT Manager	1	1	1
SCADA Administrator/Tech	---	1	2
Web/Application Developer	1	1	1
Environmental Education Administrator	1	1	1
Projects & Publications Specialist	2	---	---
Facilities Technician	1	---	---
Operations Assistant	1	---	---
Social Media/Community Relations Specialist	---	1	1
Accounting Assistant	3	3	3
Construction Inspector	3	---	---
Records Manager	1	1	1
Accounting Clerk	1	1	1
Environmental Education Specialist	1	1	1
Customer Service Assistant	2	2	2
Administrative Technical Specialist	0.5	---	---
Records Clerk	1	1	1
Communication Manager	1	1	1
Purchasing Manager	---	1	1
Human Resources Coordinator	1	1	1
Maintenance Technician	1	---	---
Utility Accounts Assistant	1	---	---
GIS Analyst	---	1	1
Safety Officer	---	---	1
Total	38.5	34	36



Staffing Summary

Changes from FY 2017 to FY 2018

- 1-Senior Advisor to the General Manager was added.
- 1-Executive Manager of Administration was added.
- 2-Assistant General Counsel positions were added.
- 1-Purchasing Manager position was added.
- 1-GIS Analyst was added.
- 2-Moved from Water Sales: SCADA Administrator and Social Media/Community Relations Specialist.
- ½-Administrative Technical Specialist was removed.
- 2-Projects & Publication Specialist positions were removed.
- 10-Moved to Water Sales: Executive Manager of Resource Policy & Stewardship, Manager of Project Engineering, Technical Consultant, Facilities Technician, Operations Assistant, Construction Inspector (3), Maintenance Technician, and Utility Accounts Assistant

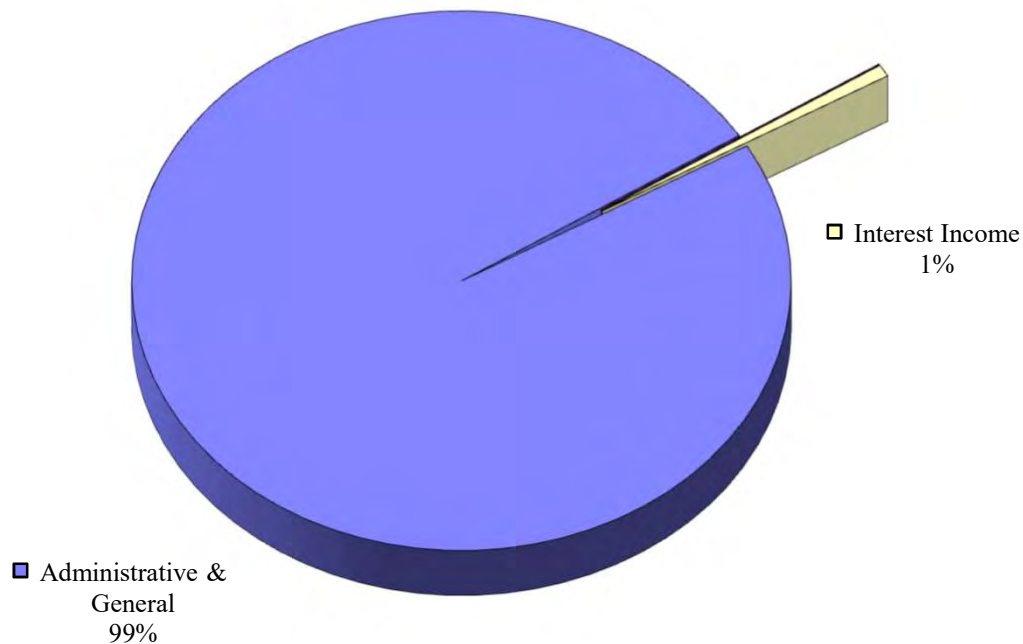
Changes from FY 2018 to FY 2019

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



Budget Summary

REVENUES - General



Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services			
Laboratory Services			
Rentals			
Administrative & General	3,115,380	3,653,322	3,807,231
Miscellaneous Income	14,832		
Total Operating Revenue	3,130,212	3,653,322	3,807,231
Interest Income	28,977	36,820	27,530
I/F Loan Repayments from Operation	1,336,100	150,000	500,000
Grand Total Revenues	4,495,289	3,840,142	4,334,761

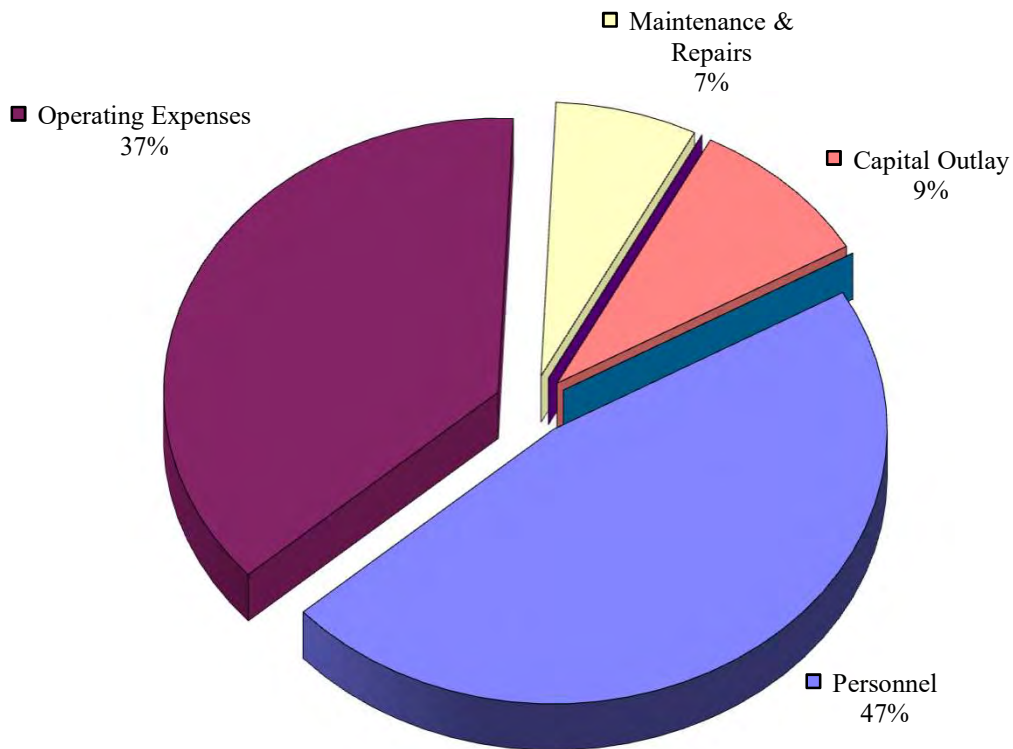


Fiscal Year 2019 Budget

flowing solutions

Budget Summary

EXPENSES - General



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel	2,411,634	1,621,627	1,761,415
Operating Expenses	972,719	1,130,757	1,405,533
Maintenance & Repairs	135,542	276,325	259,000
Administrative & General			
Total Operating Expenses	3,519,895	3,028,709	3,425,948
Interest Expense			
Capital Outlay	66,673	497,900	342,000
Debt Service			
I/F Loans Made to Operations	228,200	269,428	
Grand Total Expenses	3,814,768	3,796,037	3,767,948

Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019

010 - General

OPERATING BUDGET	FY 2018 BUDGET	FY 2019 BUDGET	FY 2019-2018 DIFFERENCE
OPERATING REVENUES			
Internal Transfers			
43001 REV-ADMIN & GEN CHARGES	3,653,322	3,807,231	153,909
Total Internal Transfers	3,653,322	3,807,231	153,909
Operating Interest			
44101 INT-OPR CASH ACCOUNTS	900	900	-
44110 INT-OPR INVESTMENT FUNDS	25,500	16,000	(9,500)
44111 INT-INSURANCE FUND	7,900	7,900	-
44112 INT-WORKERS COMP FUND	1,995	1,995	-
44113 INT-PROPERTY RESERVE FUND	525	735	210
Total Operating Interest	36,820	27,530	(9,290)
Total Operating Revenue	3,690,142	3,834,761	144,619
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	1,147,965	1,305,508	157,543
51102 LBR-OVERTIME	6,218	6,400	182
Total Salaries	1,154,183	1,311,908	157,725
Benefits			
51201 BEN-FICA/MED	878,610	990,488	111,878
51202 BEN-RETIREMENT	1,669,942	2,375,606	705,664
51203 BEN-HEALTH INSURANCE	1,670,861	1,749,218	78,357
51204 BEN-LIFE INSURANCE & LTD	106,184	123,113	16,929
51220 BEN-OTHER BENEFIT EXP	37,350	35,500	(1,850)
51298 BEN-BENEFIT ALLOCATION	(3,895,503)	(4,824,418)	(928,915)
Total Benefits	467,444	449,507	(17,937)
Operating Supplies & Services			
52101 OPR-POWER & UTILITIES	90,000	90,000	-
52110 OPR-SMALL TOOLS AND SUPPLIES	6,000	-	(6,000)
52111 OPR-PUBLIC COMMUNICATIONS	10,000	17,500	7,500

52118	OPR-DISPOSAL SERVICES	-	1,560	1,560
52120	OPR-UNIFORMS	6,000	6,000	-
52121	OPR-SAFETY & EMERGENCY EXPENSE	2,000	2,000	-
52122	OPR-SECURITY EXPENSE	10,000	10,000	-
52125	OPR-VEHICLE EXPENSE	31,150	25,000	(6,150)
52127	OPR-EQUIP USE CREDIT	(48,000)	(48,000)	-
52135	OPR-PROCESS/SPECIAL OPERATING	65,000	80,000	15,000
52136	OPR-EMPLOYEE RELATIONS	20,000	30,000	10,000
52137	OPR-MEMBERSHIPS & PUBLICATIONS	15,000	17,500	2,500
52138	OPR-TRAINING & EDUCATION	27,500	58,600	31,100
52140	OPR-TRAVEL	30,000	29,800	(200)
52145	OPR-CONTRACT LABOR	-	2,500	2,500
Total Operating Supplies & Services		264,650	322,460	57,810
Professional Services and Fees				
52204	OPR-PROFESSIONAL SERVICES-EMPLOYEE RELATED	129,000	201,004	72,004
52205	OPR-PROFESSIONAL SERVICES-OTHER	197,600	297,862	100,262
52220	OPR-BANK FEES	6,500	7,000	500
Total Professional Services and Fees		333,100	505,866	172,766
Office Expenses				
52301	OPR-OFFICE SUPPLIES	28,000	27,000	(1,000)
52302	OPR-COMPUTER SUPPLIES	148,825	172,325	23,500
52304	OPR-COPY SUPPLIES AND SERVICES	26,000	23,000	(3,000)
52305	OPR-POSTAGE AND FREIGHT EXPENSE	10,000	10,000	-
52306	OPR-COMMUNICATIONS	32,000	52,500	20,500
52322	OPR-MEDIA EXPENSE	12,500	15,000	2,500
52330	OPR-OUTSOURCED PRINTING EXPENSE	25,500	28,500	3,000
52331	OPR-JANITORIAL SUPPLIES AND SERVICE	20,000	20,000	-
Total Office Expenses		302,825	348,325	45,500
Other Operating Expenses				
52401	OPR-DIRECTORS EXPENSES	65,000	55,000	(10,000)
52403	OPR-BUILDING RENTAL	124,482	124,482	-
52420	OPR-INSURANCE EXPENSE	30,700	39,400	8,700
52430	OPR-MISC EXPENSE	10,000	10,000	-
Total Other Operating Expenses		230,182	228,882	(1,300)
SUBTOTAL OF OPERATIONAL EXPENSES		2,752,384	3,166,948	414,564
Maintenance and Repair Equipment				
53101	M&R-EQUIPMENT	39,525	33,000	(6,525)
Total Maintenance and Repair Equipment		39,525	33,000	(6,525)
Structures				
53201	M&R-BUILDING	94,600	85,000	(9,600)
53216	M&R-PUMPSTATIONS	20,000	-	(20,000)

Total Structures	114,600	85,000	(29,600)
Other Maintenance & Repairs			
53310 M&R-GROUNDS	121,200	140,000	18,800
53399 M&R-MISC EXPENSE	1,000	1,000	-
Total Other Maintenance & Repairs	122,200	141,000	18,800
SUBTOTAL OF M&R EXPENSES	276,325	259,000	(17,325)
Capital Outlay			
61103 EQUIPMENT	492,000	92,000	(400,000)
Total Capital Outlay	492,000	92,000	(400,000)
Transfers			
61505 TRANSFERS-DESIGNATED PROJECT FUND	-	250,000	250,000
61515 TRANSFERS-RESERVE FUND	5,900	-	(5,900)
Total Transfers	5,900	250,000	244,100
TOTAL OPERATING AND M&R EXPENSES	3,526,609	3,767,948	241,339
Net Operating Income	163,533	66,813	(96,720)

DEBT SERVICE BUDGET

Internal Loan Revenue			
12233 I/F LOAN PAID-RUD DIVISION	150,000	500,000	350,000
12236 I/F LOAN MADE-PARK VILLAGE	(269,428)	-	269,428
Total Internal Loan Revenue	(119,428)	500,000	619,428
Total Debt Revenue	(119,428)	500,000	619,428
Net Change in Debt Service Budget	(119,428)	500,000	619,428
Net Change in Fund Balance	44,105	566,813	522,708

General Division - Capital Outlay Expense

Description	FY 2019
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Capital Outlay Funded From Current Revenues

Replacement Vehicle-Tahoe	\$	40,000
Replace SAN Storage Array	\$	25,000
Replace Virtualization Host Servers	\$	15,000
Replace Web Servers	\$	12,000
Total General Capital Outlay Expense	\$	92,000

General Division - Designated Project Fund

Project Description	FY 2019
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Projects Funded From Current Revenues

Asset Management Program	\$	250,000
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Total General Designated Project Fund	\$	250,000
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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: 25 |
| • Startup Operation Date: 1928-1932 | • Budgeted Revenue: \$3,447,810 |
| • Customer: Guadalupe Valley Electric Coop | |
| • Plant Capacity: 16 MW | |

Guadalupe Valley Hydroelectric Division

Operating Plan for Fiscal Year Ending 8/31/19

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 Guadalupe/Gonzales Counties 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 \$3,401,270 for FY 2019 is based upon the historical annual generation for the system of 62,225,000 Kwhs. The aggregate rate including the fixed charge and assuming "normal" river flow conditions will be 5.55¢ per Kwh.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

The work plan for FY 2019 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. Spill gate washout, inspection, and maintenance will be conducted at two or more of the spillways. This is very important because accumulation of mud and debris under the gates can render them difficult to operate. The Division's program of spill gate inspection and maintenance better assures the reliability of the spillway system. 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 2019 personnel budget of \$2,029,481.

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

- Purchase material for spill gate automation - \$14,000.
- 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.
- Purchase an aerial work platform - \$12,000.

FUND BALANCE

All of the above operating expenditures and work authorization costs are expected to be funded by hydroelectric power sales.



Staffing Summary

GV Hydroelectric	# of Authorized Positions (FTE)		
	2017	2018	2019
Division Manager - Hydroelectric & Rural Utilities	1	---	---
Senior Deputy Division Manager - Hydroelectric & Rural Utilities	---	---	1
Deputy Division Manager - Hydroelectric & Rural Utilities	1	1	1
Maintenance Supervisor	3	2	2
Electrical/Instrumentation Technician	3	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	9	11
Total	24	22	25

Changes from FY 2017 to FY 2018

1-Division Manager - Guadalupe/Gonzales Counties was moved to Water Sales and title was changed to Division Manager - Hydroelectric & Rural Utilities.

* Assistant Division Manager was changed to Deputy Division Manager - Hydroelectric & Rural Utilities

Changes from FY 2018 to FY 2019

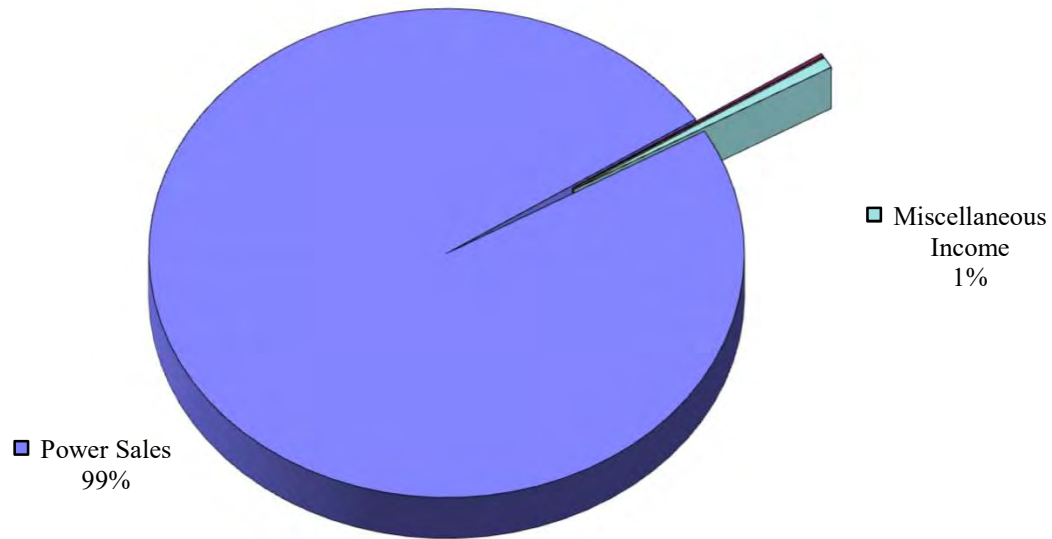
1-Senior Deputy Division Manager was added.

2-Maintenance Crew positions were added.



Budget Summary

REVENUES - Guadalupe Valley Hydroelectric

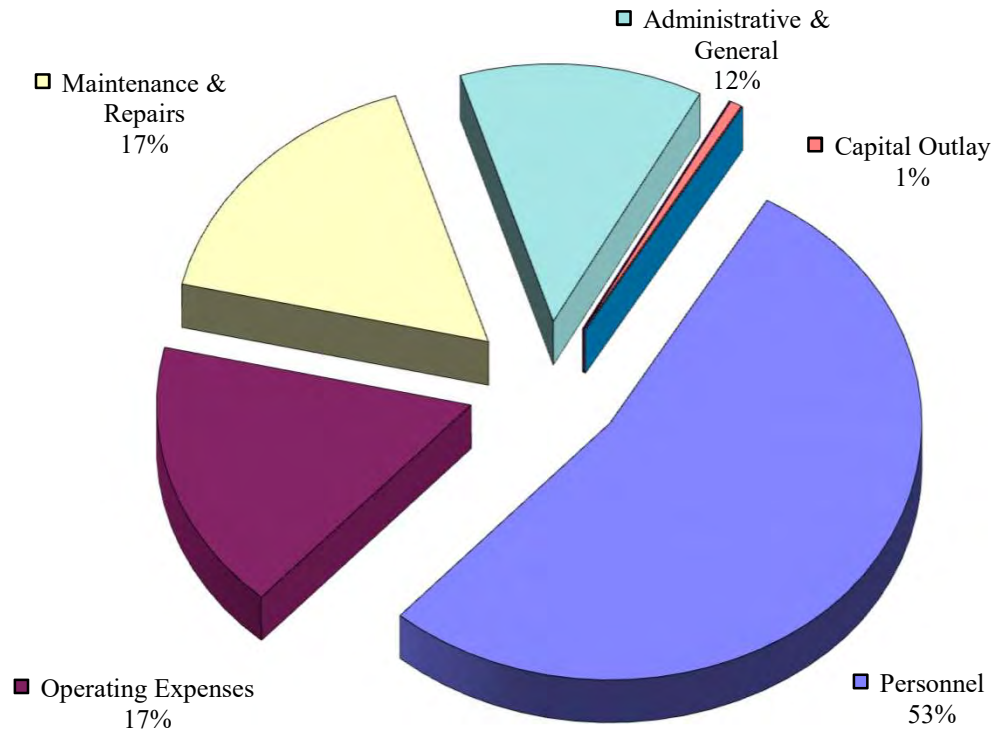


Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales	3,478,969	3,469,365	3,416,410
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services			
Laboratory Services			
Rentals	10,574	7,400	7,400
Administrative & General			
Miscellaneous Income	102,890	409,070	24,000
Total Operating Revenue	3,592,433	3,885,835	3,447,810
Interest Income			
Grand Total Revenues	3,592,433	3,885,835	3,447,810



Budget Summary

EXPENSES - Guadalupe Valley Hydroelectric



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel	1,911,473	1,892,220	2,029,481
Operating Expenses	530,478	541,500	647,200
Maintenance & Repairs	342,728	554,000	633,000
Administrative & General	447,114	444,435	476,675
Total Operating Expenses	3,231,793	3,432,155	3,786,356
Interest Expense		195,827	
Capital Outlay	113,461	74,100	23,000
Debt Service		183,753	
Grand Total Expenses	3,345,254	3,885,835	3,809,356

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019**

021 - Guadalupe Valley Hydroelectric

OPERATING BUDGET		FY 2018 BUDGET	FY 2019 BUDGET	FY 2019-2018 DIFFERENCE
OPERATING REVENUES				
Hydroelectric				
42701	ENERGY CHARGE	1,953,865	1,901,270	(52,595)
42702	FACILITY CHARGE	1,500,000	1,500,000	-
42703	CREDIT-RENEWALABLE ENERGY	15,500	15,140	(360)
	Total Hydroelectric	3,469,365	3,416,410	(52,955)
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	36,000	24,000	(12,000)
45195	MISCELLANEOUS REVENUES	373,070	-	(373,070)
	Total Misc Income	409,070	24,000	(385,070)
	Total Operating Revenue	3,885,835	3,447,810	(438,025)
OPERATING EXPENSES				
Salaries				
51101	LBR-REGULAR WAGES	1,278,004	1,368,158	90,154
51102	LBR-OVERTIME	68,772	76,312	7,540
	Total Salaries	1,346,776	1,444,470	97,694
Benefits				
51298	BEN-BENEFIT ALLOCATION	545,444	585,011	39,567
	Total Benefits	545,444	585,011	39,567
Operating Supplies & Services				
52101	OPR-POWER & UTILITIES	25,000	25,000	-
52102	OPR-AUXILIARY POWER EXPENSE	1,000	1,000	-
52110	OPR-SMALL TOOLS AND SUPPLIES	-	10,000	10,000
52120	OPR-UNIFORMS	13,000	16,000	3,000

52121	OPR-SAFETY & EMERGENCY EXPENSE	28,000	38,000	10,000
52124	OPR-EQUIPMENT EXPENSE	25,200	28,000	2,800
52125	OPR-VEHICLE EXPENSE	66,000	65,000	(1,000)
52126	OPR-FLEET LEASE EXPENSE	-	43,200	43,200
52128	OPR-MOWING EXPENSE	65,000	65,000	-
52133	OPR-SCADA	-	15,000	15,000
52135	OPR-PROCESS/SPECIAL OPERATING	14,000	16,000	2,000
52137	OPR-MEMBERSHIPS & PUBLICATIONS	-	100	100
52138	OPR-TRAINING & EDUCATION	19,000	19,000	-
52140	OPR-TRAVEL	2,000	2,000	-
	Total Operating Supplies & Services	258,200	343,300	85,100
	Professional Services and Fees			
52205	OPR-PROFESSIONAL SERVICES-OTHER	69,000	69,000	-
	Total Professional Services and Fees	69,000	69,000	-
	Office Expenses			
52301	OPR-OFFICE SUPPLIES	3,000	3,000	-
52302	OPR-COMPUTER SUPPLIES	15,000	20,000	5,000
52306	OPR-COMMUNICATIONS	8,000	8,000	-
52331	OPR-JANITORIAL SUPPLIES AND SERVICE	5,000	7,000	2,000
	Total Office Expenses	31,000	38,000	7,000
	Other Operating Expenses			
52403	OPR-BUILDING RENTAL	16,200	16,200	-
52420	OPR-INSURANCE EXPENSE	140,100	145,700	5,600
52430	OPR-MISC EXPENSE	27,000	35,000	8,000
	Total Other Operating Expenses	183,300	196,900	13,600
	SUBTOTAL OF OPERATIONAL EXPENSES	2,433,720	2,676,681	242,961
	Maintenance and Repair Equipment			
53130	M&R-HYDROELECTRIC	103,000	110,000	7,000
	Total Maintenance and Repair Equipment	103,000	110,000	7,000
	Structures			
53201	M&R-BUILDING	6,000	12,000	6,000
53235	M&R-TRANSMISSION LINES	100,000	110,000	10,000
53240	M&R-SPILLGATES	241,000	241,000	-
53245	M&R-POWERHOUSE	104,000	130,000	26,000
	Total Structures	451,000	493,000	42,000
	Other Maintenance & Repairs			
53325	M&R-GENERAL MAINTENANCE	-	10,000	10,000
53399	M&R-MISC EXPENSE	-	20,000	20,000
	Total Other Maintenance & Repairs	-	30,000	30,000

	SUBTOTAL OF M&R EXPENSES	<u>554,000</u>	<u>633,000</u>	<u>79,000</u>
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	444,435	476,675	32,240
	Total Administrative & General	<u>444,435</u>	<u>476,675</u>	<u>32,240</u>
	Capital Outlay			
61103	EQUIPMENT	74,100	23,000	(51,100)
	Total Capital Outlay	<u>74,100</u>	<u>23,000</u>	<u>(51,100)</u>
	TOTAL OPERATING AND M&R EXPENSES	<u>3,506,255</u>	<u>3,809,356</u>	<u>303,101</u>
	Net Operating Income	<u>379,580</u>	<u>(361,546)</u>	<u>(741,126)</u>

DEBT SERVICE BUDGET

	Principal Payments Expense			
21150	LOAN-BUDGET PRINCIPAL EXPENSE	183,753	-	(183,753)
	Total Principal Payments Expense	<u>183,753</u>	<u>-</u>	<u>(183,753)</u>
	Interest Expense			
57250	INT-BUDGET LOAN EXPENSE	195,827	-	(195,827)
	Total Interest Expense	<u>195,827</u>	<u>-</u>	<u>(195,827)</u>
	Total Debt Expense	<u>379,580</u>	<u>-</u>	<u>(379,580)</u>
	Net Change in Debt Service Budget	<u>(379,580)</u>	<u>-</u>	<u>379,580</u>
	Net Change in Fund Balance	<u>-</u>	<u>(361,546)</u>	<u>(361,546)</u>

Guadalupe Valley Hydroelectric Division - Capital Outlay Expense

Description	FY 2019
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Capital Outlay Funded From Current Revenues

Aerial Work Platform-Replace 30ft wooden ladder	\$	12,000
Remote Racking Device	\$	11,000

Total GV Hydro Capital Outlay Expense	\$	23,000
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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: 73,730,000

- Startup Operation Date: January 1, 2006
- # of Current Employees: 5
- Budgeted Revenue: \$707,412

Rural Utilities Division

Shadow Creek Wastewater Reclamation Facility System

Operating Plan for Fiscal Year Ending 8/31/19

BACKGROUND

The following Work Plan and Budget for the Shadow Creek System is based on the treatment of an estimated sewage flow of 73.73 million gallons per year or 0.202 million gallons per day. This estimated flow represents a 3.2% year-over-year increase above the Fiscal Year 2018 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. Three 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 2019 budget year and the treatment of 73,730,000 gallons. The budgeted FY 2019 service revenue for the Shadow Creek System is \$705,012 while total revenue including miscellaneous income and interest earnings amounts to \$707,412.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

The total operating expenditure budget for FY 2019 amounts to \$613,776.

Significant operating and maintenance expenses are power costs of \$72,900, biosolids disposal of \$45,500, lab supplies and expenses of \$24,000, and customer billing fees of \$24,500 to be paid to Goforth Special Utility District for collection of monthly sewer bills from customers.

With the exception of property insurance, GBRA is responsible for insurance and risk management and this budget has accordingly included \$5,500 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 \$48,851 for FY 2019.

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 \$93,636.



Staffing Summary

Shadow Creek WWTP	# of Authorized Positions (FTE)		
	2017	2018	2019
Chief Operator	1	1	1
Electrician/Instrumentation Tech	---	---	1
Operator	1	1	3
Total	2	2	5

Changes from FY 2017 to FY 2018

No staffing changes for this division.

Changes from FY 2018 to FY 2019

1-Electrician/Instrumentation Tech position was added.

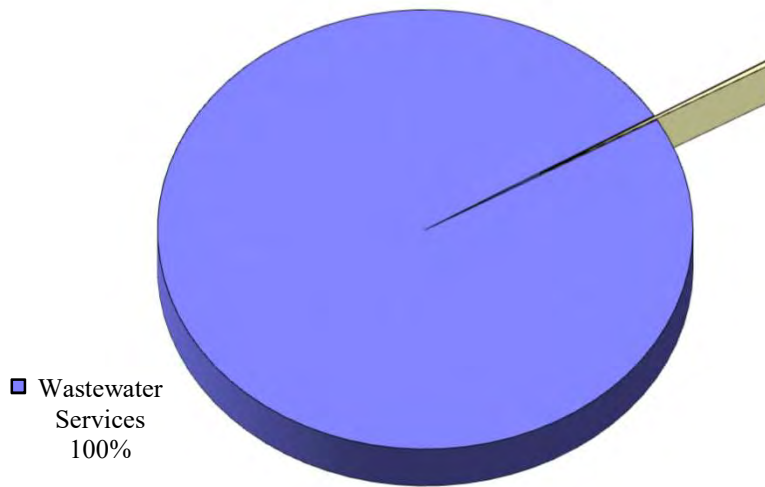
2-Operator positions were added.

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

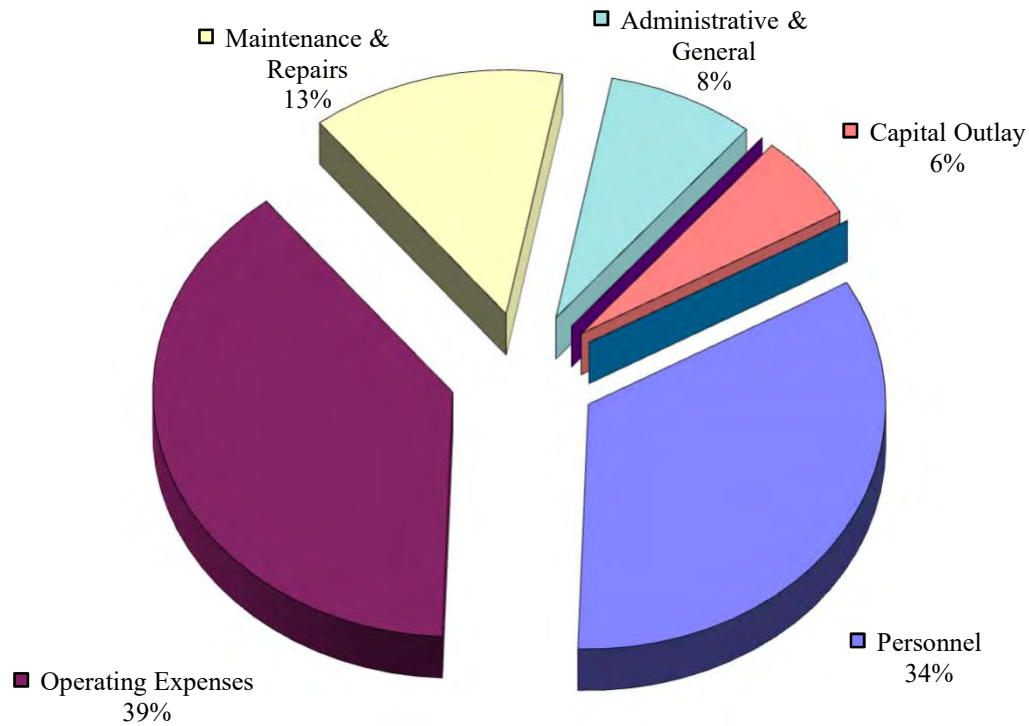


Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services	527,760	555,732	705,012
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	28,620		
Total Operating Revenue	556,380	555,732	705,012
Interest Income	182	2,400	2,400
Grand Total Revenues	556,562	558,132	707,412



Budget Summary

EXPENSES - Shadow Creek WWTP



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel	118,417	176,691	207,989
Operating Expenses	171,792	203,706	237,916
Maintenance & Repairs	71,800	77,780	84,020
Administrative & General	27,678	41,501	48,851
Total Operating Expenses	389,687	499,678	578,776
Interest Expense			
Capital Outlay	26,250		35,000
Debt Service			
Grand Total Expenses	415,937	499,678	613,776

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019**

030 - Shadow Creek WWTP

OPERATING BUDGET	FY 2018 BUDGET	FY 2019 BUDGET	FY 2019-2018 DIFFERENCE
OPERATING REVENUES			
Retail Wastewater			
42401 WASTEWATER SERVICES	551,232	700,512	149,280
42402 SEWER CONNECTION/INSP FEES	4,500	4,500	-
Total Retail Wastewater	555,732	705,012	149,280
Misc Income			
45195 MISCELLANEOUS REVENUES	2,400	2,400	-
Total Misc Income	2,400	2,400	-
Total Operating Revenue	558,132	707,412	149,280
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	112,263	138,430	26,167
51102 LBR-OVERTIME	13,496	9,605	(3,891)
Total Salaries	125,759	148,035	22,276
Benefits			
51298 BEN-BENEFIT ALLOCATION	50,932	59,954	9,022
Total Benefits	50,932	59,954	9,022
Operating Supplies & Services			
52101 OPR-POWER & UTILITIES	65,000	72,900	7,900
52103 OPR-CHEMICALS	12,100	15,200	3,100
52110 OPR-SMALL TOOLS AND SUPPLIES	400	500	100
52113 OPR-LAB SUPPLIES	24,000	24,000	-
52118 OPR-DISPOSAL SERVICES	33,350	45,500	12,150
52120 OPR-UNIFORMS	720	1,050	330
52121 OPR-SAFETY & EMERGENCY EXPENSE	1,500	1,500	-
52123 OPR-EQUIPMENT RENTAL	12,976	12,950	(26)
52124 OPR-EQUIPMENT EXPENSE	650	650	-
52125 OPR-VEHICLE EXPENSE	5,000	5,000	-
52126 OPR-FLEET LEASE EXPENSE	-	1,200	1,200

52137 OPR-MEMBERSHIPS & PUBLICATIONS	150	180	30
52138 OPR-TRAINING & EDUCATION	2,160	2,160	-
52140 OPR-TRAVEL	600	600	-
Total Operating Supplies & Services	158,606	183,390	24,784
Professional Services and Fees			
52205 OPR-PROFESSIONAL SERVICES-OTHER	8,300	8,300	-
52217 OPR-INSPECTION FEES	2,000	1,850	(150)
52219 OPR-CUSTOMER BILLING FEES	25,000	24,500	(500)
Total Professional Services and Fees	35,300	34,650	(650)
Office Expenses			
52301 OPR-OFFICE SUPPLIES	300	300	-
52302 OPR-COMPUTER SUPPLIES	600	600	-
52306 OPR-COMMUNICATIONS	3,300	3,300	-
Total Office Expenses	4,200	4,200	-
Other Operating Expenses			
52403 OPR-BUILDING RENTAL	-	9,876	9,876
52420 OPR-INSURANCE EXPENSE	5,300	5,500	200
52430 OPR-MISC EXPENSE	300	300	-
Total Other Operating Expenses	5,600	15,676	10,076
SUBTOTAL OF OPERATIONAL EXPENSES	380,397	445,905	65,508
Maintenance and Repair Equipment			
53101 M&R-EQUIPMENT	4,140	3,600	(540)
53105 M&R-GENERATORS	4,480	5,000	520
53110 M&R-CONTROL SYSTEMS	13,500	12,000	(1,500)
53115 M&R-METERS AND PUMPS	980	980	-
Total Maintenance and Repair Equipment	23,100	21,580	(1,520)
Structures			
53201 M&R-BUILDING	1,100	1,100	-
53205 M&R-PUMPS AND MOTORS	27,500	27,500	-
53210 M&R-GATES AND VALVES	960	6,000	5,040
53215 M&R-LIFTSTATIONS	12,000	12,000	-
53220 M&R-CLARIFIERS	1,140	800	(340)
Total Structures	42,700	47,400	4,700
Other Maintenance & Repairs			
53301 M&R-ROADS	200	200	-
53310 M&R-GROUNDS	340	2,600	2,260
53325 M&R-GENERAL MAINTENANCE	10,700	11,500	800
53399 M&R-MISC EXPENSE	740	740	-
Total Other Maintenance & Repairs	11,980	15,040	3,060

SUBTOTAL OF M&R EXPENSES		<u>77,780</u>	<u>84,020</u>	<u>6,240</u>
Administrative & General				
54100	ADMINISTRATIVE & GENERAL	<u>41,501</u>	<u>48,851</u>	<u>7,350</u>
Total Administrative & General		<u>41,501</u>	<u>48,851</u>	<u>7,350</u>
Capital Outlay				
61103	EQUIPMENT	<u>-</u>	<u>35,000</u>	<u>35,000</u>
Total Capital Outlay		<u>-</u>	<u>35,000</u>	<u>35,000</u>
TOTAL OPERATING AND M&R EXPENSES		<u>499,678</u>	<u>613,776</u>	<u>114,098</u>
Net Operating Income		<u>58,454</u>	<u>93,636</u>	<u>35,182</u>
Net Change in Fund Balance		<u>58,454</u>	<u>93,636</u>	<u>35,182</u>

Shadow Creek WWTP System - Capital Outlay Expense

Description	FY 2019
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Capital Outlay Funded From Current Revenues

Sludge Drying Box	\$	35,000
Total Shadow Creek WWTP Capital Outlay Expense	\$	35,000



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 6 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: \$455,400 |

Rural Utilities Division

Canyon Park Wastewater Treatment Plant System

Operating Plan for Fiscal Year Ending 8/31/19

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 2019 service fee revenue for the plant is projected to be \$410,400. This is an increase of 13% 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 2019 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 accomplish the mission. 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 divisions of GBRA. The Division Manager Guadalupe/Gonzales Counties provides supervision of the division.

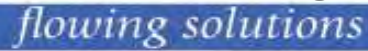
In an effort to provide advanced training and maintain Texas Commission on Environmental Quality wastewater licenses for all division employees, operating personnel will attend courses provided by approved sources such as Texas Engineering Extension Service and Texas Water Utility Association. Personnel 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 - \$9,000.
2. Collection system repairs to reduce inflow and infiltration of rainwater - \$3,000.
3. Interdivision fees associated with the use of the mobile biosolids press - \$9,876.

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 \$ 4,238.



Staffing Summary

Rural Utilities WWTPs	# of Authorized Positions (FTE)		
	2017	2018	2019
Chief Operator	1	1	1
Operator	4.5	4.5	5
Total	5.5	5.5	6

Changes from FY 2017 to FY 2018

No staffing changes for this division.

Changes from FY 2018 to FY 2019

¹/₂-Biosolids Operator position was removed.

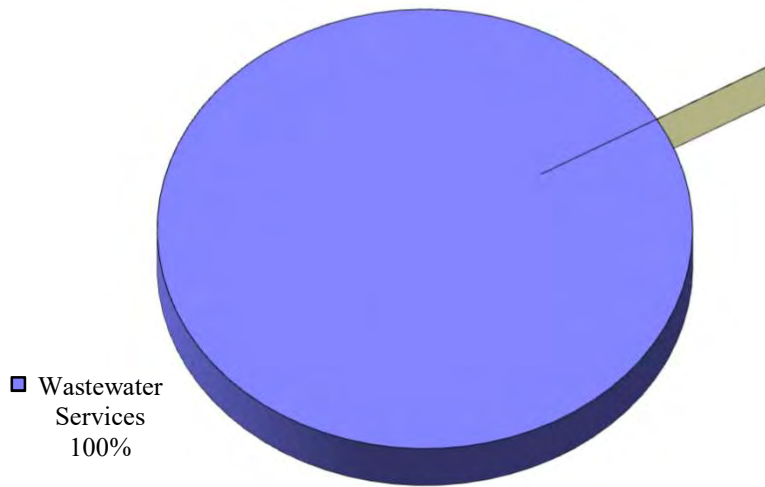
1-Operator position was added.

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

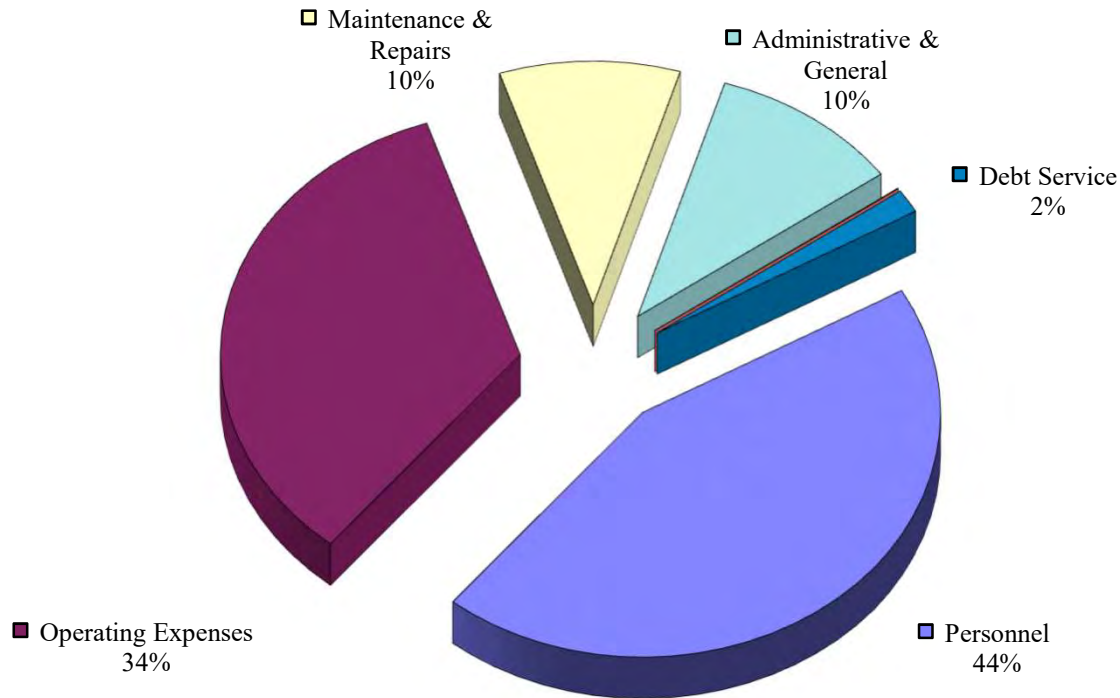


Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services	350,584	388,168	455,400
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	48,854		
Total Operating Revenue	399,438	388,168	455,400
Interest Income	182	1,000	
Grand Total Revenues	399,620	389,168	455,400



Budget Summary

EXPENSES - Canyon Park WWTP



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel	157,949	151,166	199,575
Operating Expenses	80,900	122,775	153,576
Maintenance & Repairs	43,271	41,290	44,000
Administrative & General	37,170	35,505	46,875
Total Operating Expenses	319,290	350,736	444,026
Interest Expense	550	339	121
Capital Outlay	62,921	8,000	
Debt Service	6,586	6,797	7,015
Grand Total Expenses	389,347	365,872	451,162

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019**

032 - Canyon Park WWTP

OPERATING BUDGET	FY 2018 BUDGET	FY 2019 BUDGET	FY 2019-2018 DIFFERENCE
OPERATING REVENUES			
Retail Wastewater			
42401 WASTEWATER SERVICES	363,168	410,400	47,232
42402 SEWER CONNECTION/INSP FEES	25,000	45,000	20,000
Total Retail Wastewater	388,168	455,400	67,232
Restricted Interest			
44201 INT-RESTRICTED FUNDS	1,000	-	(1,000)
Total Restricted Interest	1,000	-	(1,000)
Total Operating Revenue	389,168	455,400	66,232
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	100,767	134,562	33,795
51102 LBR-OVERTIME	6,825	7,484	659
Total Salaries	107,592	142,046	34,454
Benefits			
51298 BEN-BENEFIT ALLOCATION	43,574	57,529	13,955
Total Benefits	43,574	57,529	13,955
Operating Supplies & Services			
52101 OPR-POWER & UTILITIES	25,000	25,000	-
52102 OPR-AUXILIARY POWER EXPENSE	1,000	3,000	2,000
52103 OPR-CHEMICALS	12,400	12,000	(400)
52110 OPR-SMALL TOOLS AND SUPPLIES	-	1,000	1,000
52113 OPR-LAB SUPPLIES	16,500	20,000	3,500
52118 OPR-DISPOSAL SERVICES	13,300	9,000	(4,300)
52120 OPR-UNIFORMS	600	700	100
52121 OPR-SAFTY & EMERGENCY EXPENSE	1,200	1,500	300
52123 OPR-EQUIPMENT RENTAL	13,875	14,000	125
52124 OPR-EQUIPMENT EXPENSE	200	1,000	800
52125 OPR-VEHICLE EXPENSE	7,600	7,600	-

52126 OPR-FLEET LEASE EXPENSE	-	14,400	14,400
52133 OPR-SCADA	8,200	8,000	(200)
52137 OPR-MEMBERSHIPS & PUBLICATIONS	-	100	100
52138 OPR-TRAINING & EDUCATION	1,400	1,500	100
52140 OPR-TRAVEL	300	300	-
Total Operating Supplies & Services	101,575	119,100	17,525
Professional Services and Fees			
52205 OPR-PROFESSIONAL SERVICES-OTHER	1,200	1,500	300
52217 OPR-INSPECTION FEES	3,500	3,500	-
Total Professional Services and Fees	4,700	5,000	300
Office Expenses			
52301 OPR-OFFICE SUPPLIES	2,100	2,000	(100)
52302 OPR-COMPUTER SUPPLIES	-	2,100	2,100
52306 OPR-COMMUNICATIONS	1,700	500	(1,200)
Total Office Expenses	3,800	4,600	800
Other Operating Expenses			
52403 OPR-BUILDING RENTAL	-	9,876	9,876
52420 OPR-INSURANCE EXPENSE	9,200	11,000	1,800
52430 OPR-MISC EXPENSE	3,500	4,000	500
Total Other Operating Expenses	12,700	24,876	12,176
SUBTOTAL OF OPERATIONAL EXPENSES	273,941	353,151	79,210
Maintenance and Repair Equipment			
53101 M&R-EQUIPMENT	17,800	14,000	(3,800)
53105 M&R-GENERATORS	1,600	2,000	400
53110 M&R-CONTROL SYSTEMS	1,850	2,000	150
Total Maintenance and Repair Equipment	21,250	18,000	(3,250)
Structures			
53201 M&R-BUILDING	40	1,000	960
53205 M&R-PUMPS AND MOTORS	7,000	6,000	(1,000)
53210 M&R-GATES AND VALVES	500	1,000	500
53215 M&R-LIFTSTATIONS	4,000	4,000	-
53220 M&R-CLARIFIERS	500	1,000	500
Total Structures	12,040	13,000	960
Other Maintenance & Repairs			
53325 M&R-GENERAL MAINTENANCE	8,000	10,000	2,000
53399 M&R-MISC EXPENSE	-	3,000	3,000
Total Other Maintenance & Repairs	8,000	13,000	5,000
SUBTOTAL OF M&R EXPENSES	41,290	44,000	2,710

Administrative & General			
54100 ADMINISTRATIVE & GENERAL	35,505	46,875	11,370
Total Administrative & General	35,505	46,875	11,370
Capital Outlay			
61102 BUILDINGS	5,000	-	(5,000)
61103 EQUIPMENT	2,000	-	(2,000)
Total Capital Outlay	7,000	-	(7,000)
Transfers			
61515 TRANSFERS-RESERVE FUND	1,000	-	(1,000)
Total Transfers	1,000	-	(1,000)
TOTAL OPERATING AND M&R EXPENSES	358,736	444,026	85,290
Net Operating Income	30,432	11,374	(19,058)

DEBT SERVICE BUDGET

Principal Payments Expense			
21107 2014 GENERATOR, Regions	-	7,015	7,015
21109 2016 GENERATOR, Regions	6,797	-	(6,797)
Total Principal Payments Expense	6,797	7,015	218
Interest Expense			
57101 INT-LONG TERM LOANS	339	121	(218)
Total Interest Expense	339	121	(218)
Total Debt Expense	7,136	7,136	-
Net Change in Debt Service Budget	(7,136)	(7,136)	-
Net Change in Fund Balance	23,296	4,238	(19,058)



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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 6 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: \$2,169,125 |

Rural Utilities Division

Dunlap Wastewater Treatment Plant System

Operating Plan for Fiscal Year Ending 8/31/19

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 will increase by \$1,133,712 or 31% 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 \$2,169,125 in FY 2019.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

The following Work Plan and Budget describes the operations and maintenance to be performed during FY 2019 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 utility plant is relatively small, full-time personnel are not required in order to accomplish the mission. 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-Guadalupe/Gonzales Counties 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 – 15,900.
4. Lift station maintenance (material and services) – 21,000.
5. Replace UV bulbs – 18,000.
6. River Bend collection line rehabilitation - \$300,000.

Total operating expenses are projected to increase \$571,605 or 64% in FY 2019.

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 2019 budgeted expenditures and receiving the above listed funding sources is \$11,111.



Staffing Summary

Rural Utilities WWTPs	# of Authorized Positions (FTE)		
	2017	2018	2019
Chief Operator	1	1	1
Operator	4.5	4.5	5
Total	5.5	5.5	6

Changes from FY 2017 to FY 2018

No staffing changes for this division.

Changes from FY 2018 to FY 2019

¹/₂-Biosolids Operator position was removed.

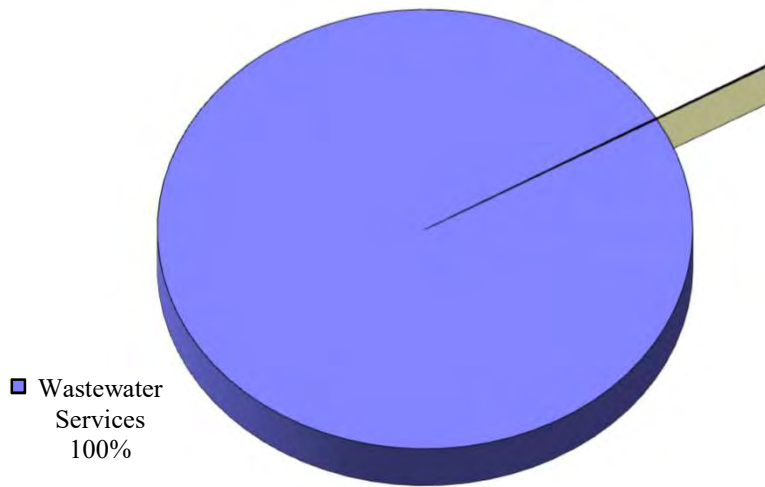
1-Operator position was added.

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

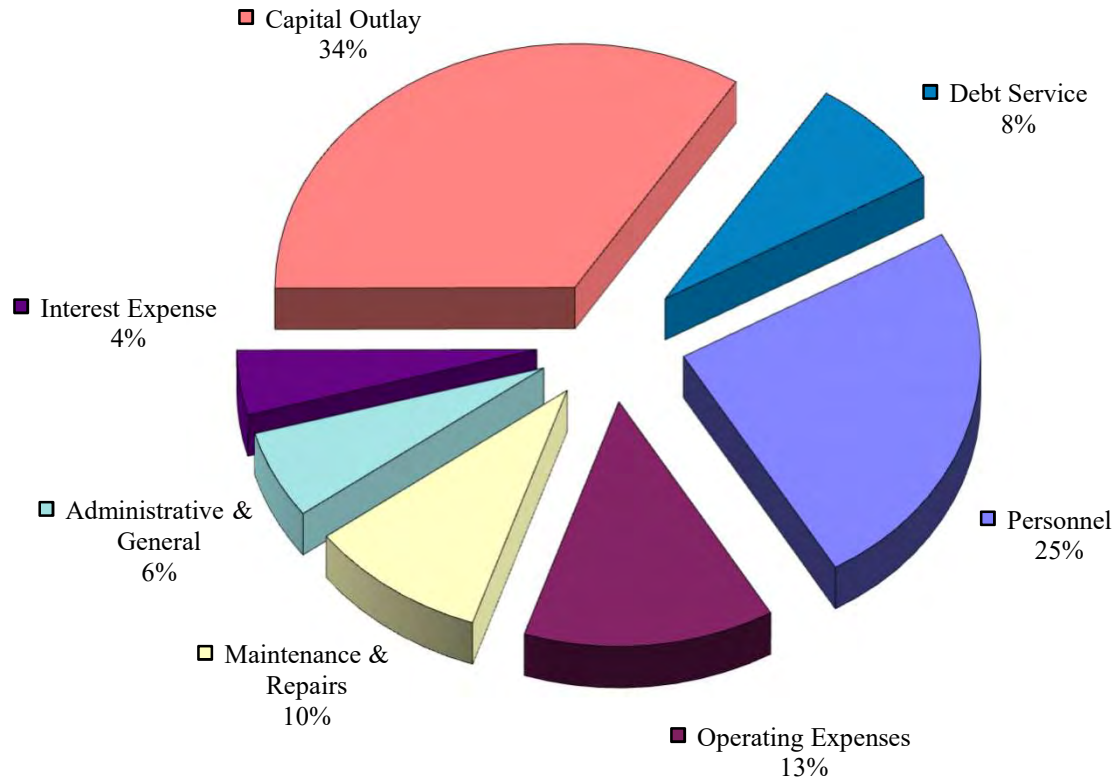


Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services	728,523	1,248,950	2,166,375
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	1,347,926	1,750	1,750
Total Operating Revenue	2,076,449	1,250,700	2,168,125
Interest Income	1,410	1,000	1,000
Grand Total Revenues	2,077,859	1,251,700	2,169,125



Budget Summary

EXPENSES - Dunlap WWTP



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel	260,664	257,850	412,690
Operating Expenses	153,834	194,250	224,600
Maintenance & Repairs	104,241	165,650	161,000
Administrative & General	61,348	60,563	96,931
Total Operating Expenses	580,087	678,313	895,221
Interest Expense	77,120	75,298	71,167
Capital Outlay	46,937	210,303	565,000
Debt Service	118,545	121,081	126,626
I/F Loan Repayment to General		150,000	500,000
Grand Total Expenses	822,689	1,234,995	2,158,014

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019**

033 - Dunlap WWTP

OPERATING BUDGET	FY 2018 BUDGET	FY 2019 BUDGET	FY 2019-2018 DIFFERENCE
OPERATING REVENUES			
Retail Wastewater			
42401 WASTEWATER SERVICES	867,600	1,133,712	266,112
42402 SEWER CONNECTION/INSP FEES	265,350	1,032,663	767,313
42406 DUNLAP DEVELOPER PAYMENTS	116,000	-	(116,000)
Total Retail Wastewater	1,248,950	2,166,375	917,425
Restricted Interest			
44201 INT-RESTRICTED FUNDS	-	1,000	1,000
44207 INT-2012 DUNLAP RESERVE FUND	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	1,251,700	2,169,125	917,425
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	169,186	270,362	101,176
51102 LBR-OVERTIME	14,337	23,368	9,031
Total Salaries	183,523	293,730	110,207
Benefits			
51298 BEN-BENEFIT ALLOCATION	74,327	118,960	44,633
Total Benefits	74,327	118,960	44,633
Operating Supplies & Services			
52101 OPR-POWER & UTILITIES	66,500	67,000	500
52102 OPR-AUXILIARY POWER EXPENSE	3,500	4,000	500
52103 OPR-CHEMICALS	19,500	20,000	500
52110 OPR-SMALL TOOLS AND SUPPLIES	-	4,000	4,000
52113 OPR-LAB SUPPLIES	21,000	20,000	(1,000)

52118 OPR-DISPOSAL SERVICES	16,000	12,000	(4,000)
52120 OPR-UNIFORMS	1,000	1,000	-
52121 OPR-SAFTY & EMERGENCY EXPENSE	1,300	2,000	700
52123 OPR-EQUIPMENT RENTAL	19,900	2,000	(17,900)
52124 OPR-EQUIPMENT EXPENSE	100	1,000	900
52125 OPR-VEHICLE EXPENSE	11,200	12,000	800
52126 OPR-FLEET LEASE EXPENSE	-	14,400	14,400
52133 OPR-SCADA	1,900	2,000	100
52137 OPR-MEMBERSHIPS & PUBLICATIONS	-	100	100
52138 OPR-TRAINING & EDUCATION	2,000	2,000	-
52140 OPR-TRAVEL	300	300	-
Total Operating Supplies & Services	164,200	163,800	(400)
Professional Services and Fees			
52205 OPR-PROFESSIONAL SERVICES-OTHER	3,000	2,000	(1,000)
52217 OPR-INSPECTION FEES	10,000	11,000	1,000
52220 OPR-BANK FEES	1,200	1,800	600
Total Professional Services and Fees	14,200	14,800	600
Office Expenses			
52301 OPR-OFFICE SUPPLIES	1,800	4,000	2,200
52302 OPR-COMPUTER SUPPLIES	-	5,100	5,100
52306 OPR-COMMUNICATIONS	1,000	2,000	1,000
Total Office Expenses	2,800	11,100	8,300
Other Operating Expenses			
52403 OPR-BUILDING RENTAL	-	15,900	15,900
52420 OPR-INSURANCE EXPENSE	9,800	14,000	4,200
52430 OPR-MISC EXPENSE	3,250	5,000	1,750
Total Other Operating Expenses	13,050	34,900	21,850
SUBTOTAL OF OPERATIONAL EXPENSES	452,100	637,290	185,190
Maintenance and Repair Equipment			
53101 M&R-EQUIPMENT	20,200	10,000	(10,200)
53105 M&R-GENERATORS	53,400	10,000	(43,400)
53110 M&R-CONTROL SYSTEMS	2,900	3,000	100
Total Maintenance and Repair Equipment	76,500	23,000	(53,500)
Structures			
53201 M&R-BUILDING	150	2,000	1,850
53205 M&R-PUMPS AND MOTORS	7,000	5,000	(2,000)
53210 M&R-GATES AND VALVES	5,900	5,000	(900)
53215 M&R-LIFTSTATIONS	19,000	21,000	2,000
53220 M&R-CLARIFIERS	700	5,000	4,300
Total Structures	32,750	38,000	5,250

Other Maintenance & Repairs			
53325 M&R-GENERAL MAINTENANCE	56,400	90,000	33,600
53399 M&R-MISC EXPENSE	-	10,000	10,000
Total Other Maintenance & Repairs	56,400	100,000	43,600
SUBTOTAL OF M&R EXPENSES	165,650	161,000	(4,650)
Administrative & General			
54100 ADMINISTRATIVE & GENERAL	60,563	96,931	36,368
Total Administrative & General	60,563	96,931	36,368
Capital Outlay			
61102 BUILDINGS	5,000	-	(5,000)
61103 EQUIPMENT	2,000	-	(2,000)
Total Capital Outlay	7,000	-	(7,000)
Transfers			
61505 TRANSFER TO PROJECT FUND	202,303	565,000	362,697
61515 TRANSFER TO RESERVE FUND	1,000	-	(1,000)
Total Transfers	203,303	565,000	361,697
TOTAL OPERATING AND M&R EXPENSES	888,616	1,460,221	571,605
Net Operating Income	363,084	708,904	345,820

DEBT SERVICE BUDGET

Internal Loan Revenue			
24201 I/F LOAN-GENERAL	(150,000)	(500,000)	(350,000)
Total Internal Loan Revenue	(150,000)	(500,000)	(350,000)
Total Debt Revenue	(150,000)	(500,000)	(350,000)
Principal Payments Expense			
21106 2012 DUNLAP EXP, Regions	105,000	110,000	5,000
21107 2014 GENERATOR, Regions	7,621	-	(7,621)
21108 2014 GENERATOR, Regions	8,460	7,866	(594)
21109 2016 GENERATOR, Regions	-	8,760	8,760
Total Principal Payments Expense	121,081	126,626	5,545
Interest Expense			
57101 INT-LONG TERM LOANS	72,274	68,438	(3,836)
57209 INT-2014 DUNLAP, Generator	3,024	2,729	(295)

Total Interest Expense	<u>75,298</u>	<u>71,167</u>	<u>(4,131)</u>
Total Debt Expense	<u>196,379</u>	<u>197,793</u>	<u>1,414</u>
Net Change in Debt Service Budget	<u>(346,379)</u>	<u>(697,793)</u>	<u>(351,414)</u>
Net Change in Fund Balance	<u>16,705</u>	<u>11,111</u>	<u>(5,594)</u>

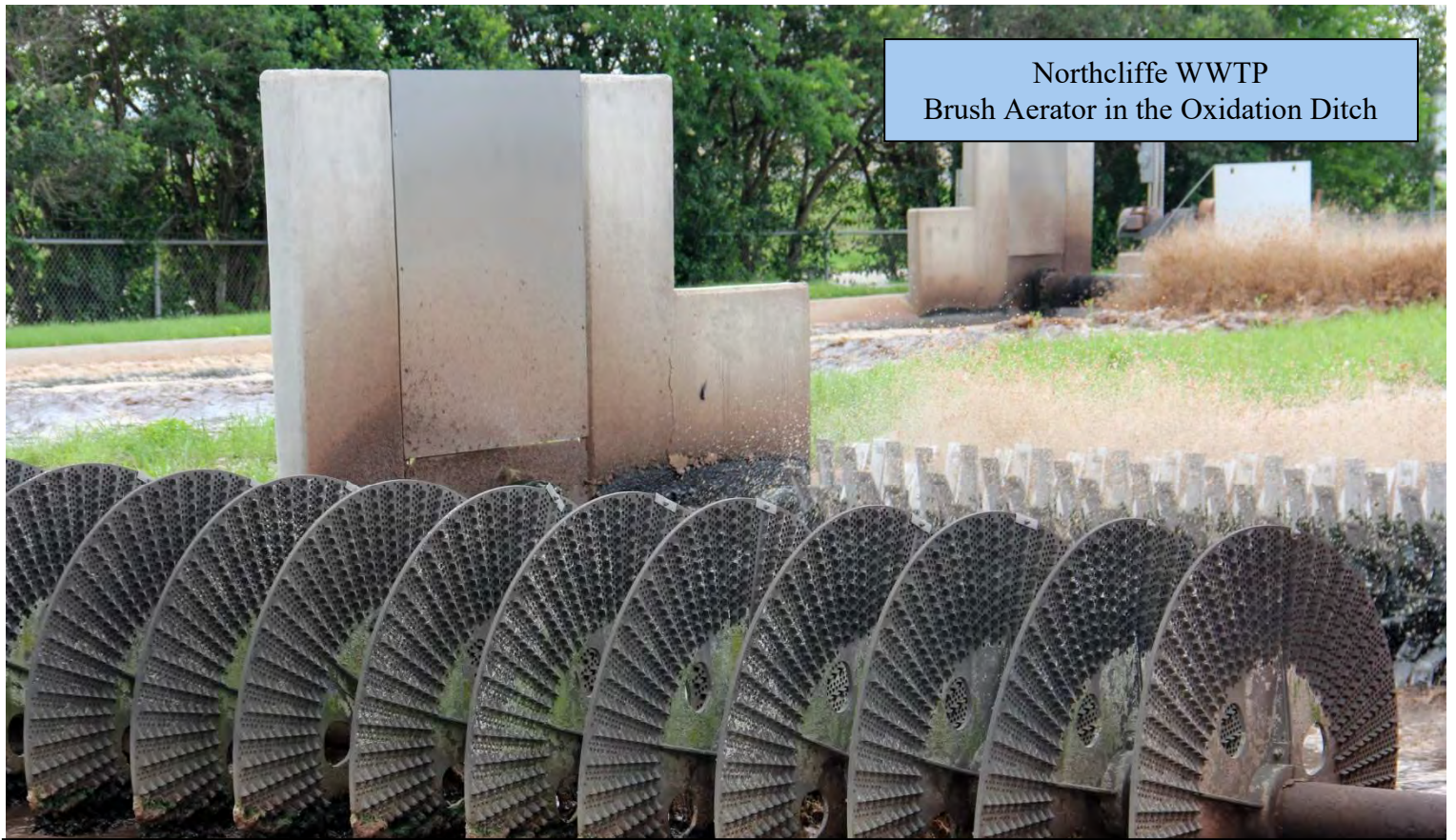
Rural Utilities Division - Designated Project Fund

Project Description	FY 2019
Projects Funded From Current Revenues	
Dunlap WWTP & Collection System Improvements	\$ 565,000
<hr/> Total Rural Utilities Designated Project Fund	<hr/> \$ 565,000 <hr/>

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 6 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: \$359,923 |

Rural Utilities Division

Northcliffe Wastewater Treatment Plant System

Operating Plan for Fiscal Year Ending 8/31/19

BACKGROUND

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

The four 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. During FY 2019, the operating and capital expenditures of this plant are expected to increase by \$33,825 and therefore under the contract with the City of Schertz, wastewater service revenue will also increase by \$33,825 to a total of \$359,923.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

The following Work Plan and Budget describes the operations and maintenance to be performed during FY 2019 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 accomplish the mission. 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-Guadalupe/Gonzales Counties provides supervision of the division.

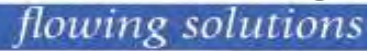
In order to meet public service needs through motivated employees, provide advanced training, and maintain and upgrade occupational licenses, personnel will attend courses provided by various approved sources such as Texas Engineering Extension Service and Texas Water Utility Association. Plant personnel 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.

A significant operating expenses for the ensuing Fiscal Year is:

- Power and utilities to operate the plant - \$21,000
- Lab supplies and services - \$16,000
- Removal of bio-solids (sludge) from the plant and delivery to an application site - \$14,000

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 2019 amounts to \$0.



Staffing Summary

Rural Utilities WWTPs	# of Authorized Positions (FTE)		
	2017	2018	2019
Chief Operator	1	1	1
Operator	4.5	4.5	5
Total	5.5	5.5	6

Changes from FY 2017 to FY 2018

No staffing changes for this division.

Changes from FY 2018 to FY 2019

¹/₂-Biosolids Operator position was removed.

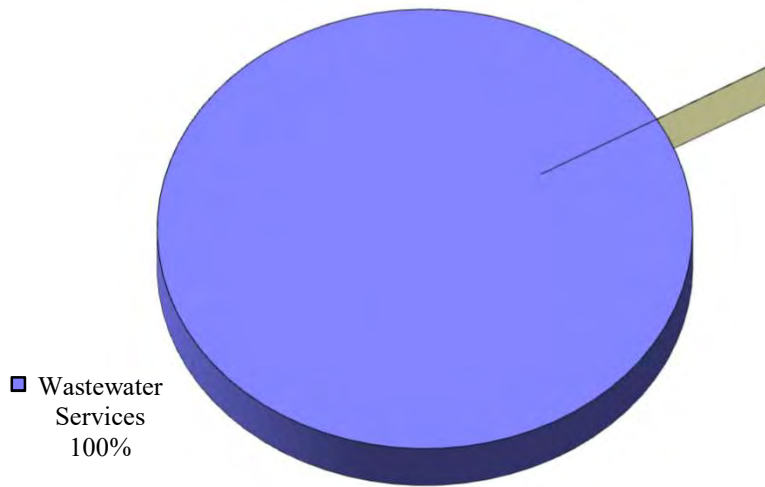
1-Operator position was added.

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

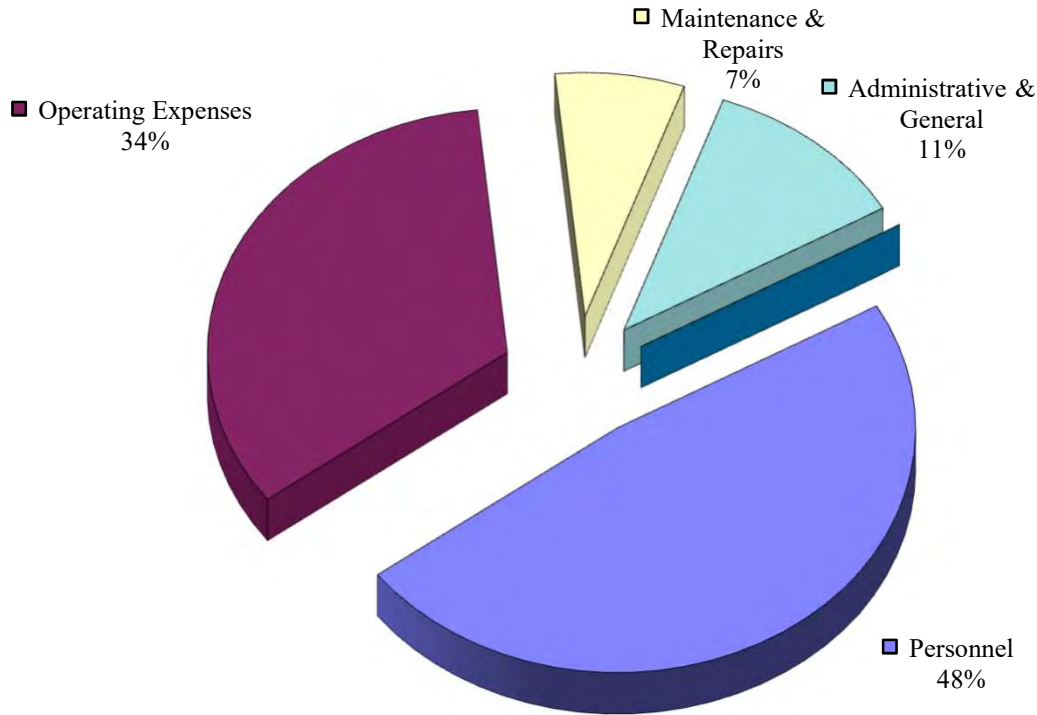


Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services	312,751	326,098	359,923
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	227		
Total Operating Revenue	312,978	326,098	359,923
Interest Income			
Grand Total Revenues	312,978	326,098	359,923



Budget Summary

EXPENSES - Northcliffe WWTP



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel	128,228	160,021	172,998
Operating Expenses	66,585	97,292	121,192
Maintenance & Repairs	68,846	24,200	25,100
Administrative & General	30,228	37,585	40,633
Total Operating Expenses	293,887	319,098	359,923
Interest Expense			
Capital Outlay	12,328	7,000	
Debt Service			
Grand Total Expenses	306,215	326,098	359,923

Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019

034 - Northcliffe WWTP

	FY 2018	FY 2019	FY 2019-2018
OPERATING BUDGET	BUDGET	BUDGET	DIFFERENCE
OPERATING REVENUES			
Wastewater Treatment			
41201 WW-OPR & MAINTENANCE	281,513	319,290	37,777
41202 WW-ADMINISTRATIVE & GENERAL	37,585	40,633	3,048
41203 WW-EQUIPMENT	7,000	-	(7,000)
Total Wastewater Treatment	326,098	359,923	33,825
Total Operating Revenue	326,098	359,923	33,825
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	107,005	116,687	9,682
51102 LBR-OVERTIME	6,889	6,443	(446)
Total Salaries	113,894	123,130	9,236
Benefits			
51298 BEN-BENEFIT ALLOCATION	46,127	49,868	3,741
Total Benefits	46,127	49,868	3,741
Operating Supplies & Services			
52101 OPR-POWER & UTILITIES	21,000	21,000	-
52102 OPR-AUXILIARY POWER EXPENSE	1,000	1,000	-
52103 OPR-CHEMICALS	4,200	4,000	(200)
52110 OPR-SMALL TOOLS AND SUPPLIES	-	1,000	1,000
52113 OPR-LAB SUPPLIES	13,000	16,000	3,000
52118 OPR-DISPOSAL SERVICES	15,900	14,000	(1,900)
52120 OPR-UNIFORMS	400	500	100
52121 OPR-SAFETY & EMERGENCY EXPENSE	900	1,000	100
52123 OPR-EQUIPMENT RENTAL	21,292	21,000	(292)
52124 OPR-EQUIPMENT EXPENSE	100	1,000	900
52125 OPR-VEHICLE EXPENSE	4,700	4,700	-
52133 OPR-SCADA	1,600	1,600	-
52137 OPR-MEMBERSHIPS & PUBLICATIONS	-	100	100
52138 OPR-TRAINING & EDUCATION	1,400	1,400	-

52140	OPR-TRAVEL	300	300	-
	Total Operating Supplies & Services	85,792	88,600	2,808
	Professional Services and Fees			
52205	OPR-PROFESSIONAL SERVICES-OTHER	1,000	1,000	-
52217	OPR-INSPECTION FEES	2,500	3,000	500
	Total Professional Services and Fees	3,500	4,000	500
	Office Expenses			
52301	OPR-OFFICE SUPPLIES	1,100	1,000	(100)
52302	OPR-COMPUTER SUPPLIES	-	1,100	1,100
52306	OPR-COMMUNICATIONS	1,000	500	(500)
	Total Office Expenses	2,100	2,600	500
	Other Operating Expenses			
52403	OPR-BUILDING RENTAL	-	17,292	17,292
52420	OPR-INSURANCE EXPENSE	4,100	6,700	2,600
52430	OPR-MISC EXPENSE	1,800	2,000	200
	Total Other Operating Expenses	5,900	25,992	20,092
	SUBTOTAL OF OPERATIONAL EXPENSES	257,313	294,190	36,877
	Maintenance and Repair Equipment			
53101	M&R-EQUIPMENT	6,300	6,000	(300)
53105	M&R-GENERATORS	1,800	2,000	200
53110	M&R-CONTROL SYSTEMS	1,900	2,000	100
	Total Maintenance and Repair Equipment	10,000	10,000	-
	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	1,500	1,000	(500)
53220	M&R-CLARIFIERS	500	1,000	500
	Total Structures	7,100	7,100	-
	Other Maintenance & Repairs			
53325	M&R-GENERAL MAINTENANCE	7,100	6,000	(1,100)
53399	M&R-MISC EXPENSE	-	2,000	2,000
	Total Other Maintenance & Repairs	7,100	8,000	900
	SUBTOTAL OF M&R EXPENSES	24,200	25,100	900
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	37,585	40,633	3,048
	Total Administrative & General	37,585	40,633	3,048

Capital Outlay				
61102	BUILDINGS	5,000	-	(5,000)
61103	EQUIPMENT	2,000	-	(2,000)
Total Capital Outlay		7,000	-	(7,000)
TOTAL OPERATING AND M&R EXPENSES		326,098	359,923	33,825
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 an aeration basin, clarifier, sludge holding facilities, cloth disk filters, and phosphorus removal using aluminum sulfate.

The system is served by a staff of 5 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: 63,880,000

- Startup Operation Date: October 23, 2009
- Budgeted Revenue: \$613,255

Rural Utilities Division

Sunfield Wastewater Treatment Plant System

Operating Plan for Fiscal Year Ending 8/31/19

BACKGROUND

The following Work Plan and Budget is based on the treatment of an average sewage flow of 63.88 million gallons per year or 0.175 million gallons per day for Fiscal Year 2019.

GBRA assumed operation of the Sunfield Wastewater Treatment Plant upon completion of construction and plant start-up in October 2009. Four 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.

This work plan is based upon a 12-month FY 2019 budget year. Since 2428 Partners funded the plant construction, no debt service is included in this budget.

The budget is based on the treatment of 63,880,000 gallons of wastewater. The budgeted FY 2019 revenue for the Sunfield System is \$613,255.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

The total operating expenditure budget for FY 2019 amounts to \$613,255.

In addition to personnel costs, other significant operating and maintenance expenses are power and utilities expenses of \$56,000, chemical expenses of \$10,800, biosolids disposal of \$19,000 and laboratory supplies of \$23,000.

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 2019, 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, but 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 \$29,500.

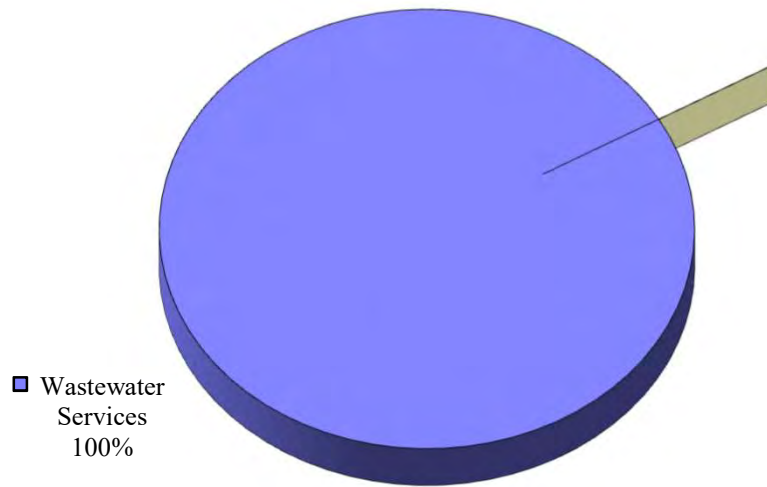
FUND BALANCE

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 2019 is \$0.



Budget Summary

REVENUES - Sunfield WWTP

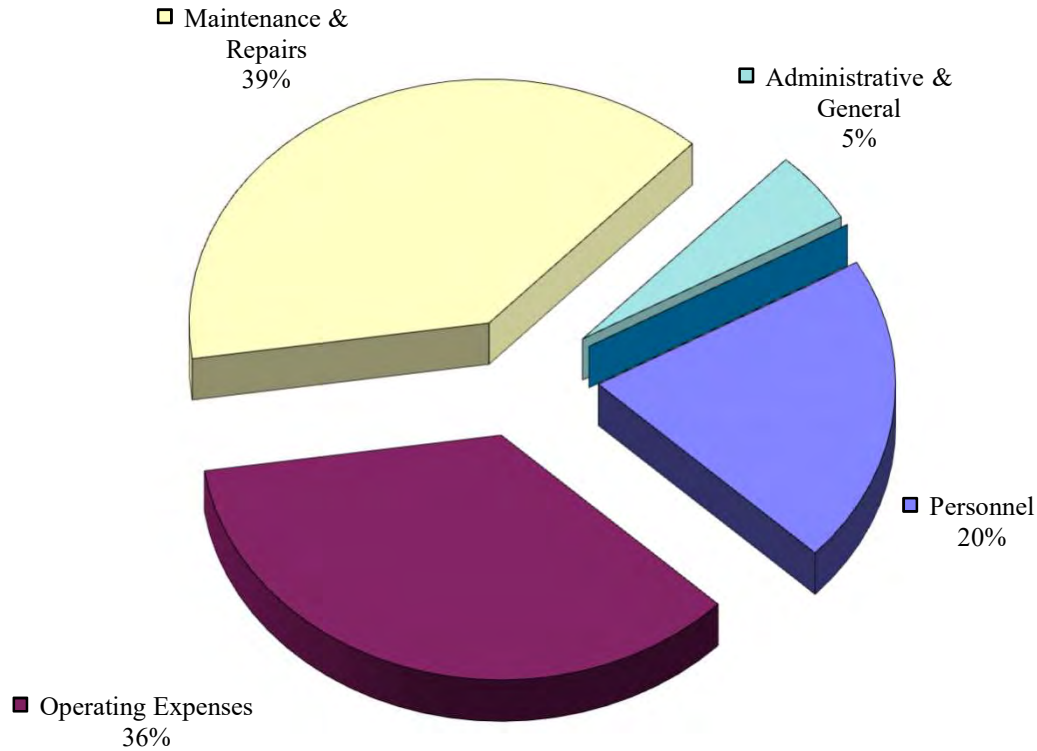


Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services	264,300	407,112	613,255
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	1,064		
Total Operating Revenue	265,364	407,112	613,255
Interest Income			
Grand Total Revenues	265,364	407,112	613,255



Budget Summary

EXPENSES - Sunfield WWTP



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel	75,650	74,916	125,597
Operating Expenses	119,512	154,080	217,798
Maintenance & Repairs	52,442	160,520	240,360
Administrative & General	17,760	17,596	29,500
Total Operating Expenses	265,364	407,112	613,255
Interest Expense			
Capital Outlay			
Debt Service			
Grand Total Expenses	265,364	407,112	613,255

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019**

037 - Sunfield WWTP

	FY 2018	FY 2019	FY 2019-2018
OPERATING BUDGET	BUDGET	BUDGET	DIFFERENCE
OPERATING REVENUES			
Wastewater Treatment			
41201 WW-OPR & MAINTENANCE	389,516	583,755	194,239
41202 WW-ADMINISTRATIVE & GENERAL	17,596	29,500	11,904
Total Wastewater Treatment	407,112	613,255	206,143
Total Operating Revenue	407,112	613,255	206,143
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	45,619	82,661	37,042
51102 LBR-OVERTIME	7,702	6,732	(970)
Total Salaries	53,321	89,393	36,072
Benefits			
51298 BEN-BENEFIT ALLOCATION	21,595	36,204	14,609
Total Benefits	21,595	36,204	14,609
Operating Supplies & Services			
52101 OPR-POWER & UTILITIES	56,332	56,000	(332)
52102 OPR-AUXILIARY POWER EXPENSE	6,300	6,300	-
52103 OPR-CHEMICALS	7,200	10,800	3,600
52110 OPR-SMALL TOOLS AND SUPPLIES	200	200	-
52113 OPR-LAB SUPPLIES	18,700	23,000	4,300
52118 OPR-DISPOSAL SERVICES	17,280	19,000	1,720
52121 OPR-SAFTY & EMERGENCY EXPENSE	360	450	90
52123 OPR-EQUIPMENT RENTAL	5,868	14,700	8,832
52125 OPR-VEHICLE EXPENSE	1,800	2,000	200
52126 OPR-FLEET LEASE EXPENSE	-	1,200	1,200
Total Operating Supplies & Services	114,040	133,650	19,610
Professional Services and Fees			
52201 OPR-PROFESSIONAL SERVICES-ENGINEERING	-	60,000	60,000
52205 OPR-PROFESSIONAL SERVICES-OTHER	26,500	2,500	(24,000)

52217	OPR-INSPECTION FEES	2,100	2,100	-
	Total Professional Services and Fees	28,600	64,600	36,000
	Office Expenses			
52301	OPR-OFFICE SUPPLIES	180	180	-
52302	OPR-COMPUTER SUPPLIES	120	1,000	880
52306	OPR-COMMUNICATIONS	1,100	1,300	200
	Total Office Expenses	1,400	2,480	1,080
	Other Operating Expenses			
52403	OPR-BUILDING RENTAL	-	6,768	6,768
52420	OPR-INSURANCE EXPENSE	3,800	4,300	500
52430	OPR-MISC EXPENSE	6,240	6,000	(240)
	Total Other Operating Expenses	10,040	17,068	7,028
	SUBTOTAL OF OPERATIONAL EXPENSES	228,996	343,395	114,399
	Maintenance and Repair Equipment			
53101	M&R-EQUIPMENT	2,700	2,700	-
53110	M&R-CONTROL SYSTEMS	5,200	6,800	1,600
53115	M&R-METERS AND PUMPS	360	360	-
	Total Maintenance and Repair Equipment	8,260	9,860	1,600
	Structures			
53201	M&R-BUILDING	-	10,000	10,000
53205	M&R-PUMPS AND MOTORS	5,250	6,650	1,400
53210	M&R-GATES AND VALVES	2,000	2,000	-
53215	M&R-LIFTSTATIONS	4,200	6,200	2,000
53220	M&R-CLARIFIERS	700	700	-
53238	M&R-FILTERS	750	750	-
	Total Structures	12,900	26,300	13,400
	Other Maintenance & Repairs			
53301	M&R-ROADS	15,500	1,000	(14,500)
53310	M&R-GROUNDS	-	3,200	3,200
53325	M&R-GENERAL MAINTENANCE	123,860	200,000	76,140
	Total Other Maintenance & Repairs	139,360	204,200	64,840
	SUBTOTAL OF M&R EXPENSES	160,520	240,360	79,840
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	17,596	29,500	11,904
	Total Administrative & General	17,596	29,500	11,904
	TOTAL OPERATING AND M&R EXPENSES	407,112	613,255	206,143

Net Operating Income

-

-

-

Net Change in Fund Balance

-

-

-

Canyon Lake Release at
5,000 cfs



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
- Location: Canyon Lake, TX
- Startup Operation Date: 1964
- Service Area: Guadalupe River Basin

- # of Current Employees: 52.5
- Budgeted Operating Revenue: \$18,008,820

Water Resources Division

Water Sales System

Operating Plan for Fiscal Year Ending 8/31/19

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. Also included in this area is support for three affiliated non-profit organizations, the Guadalupe-Blanco River Trust, the San Antonio Bay Foundation, and the Gorge Preservation Society.

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 \$147.00 per acre-foot per year for FY 2019. This is a \$2.00 or 1% increase over the FY 2018 rate. Total water sales revenues excluding "water delivery and pipeline operations" for FY 2019 are projected at \$14,065,499.

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 2019 is estimated at \$8,705,652. Revenue for the reimbursement of debt service payments from customers of GBRA's Western Canyon Project is estimated to total \$7,611,672.

Grant revenue is estimated at \$482,764.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

Significant operating expenses in the Water Resources Division include 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 Corps 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 \$150,000 is allocated for payment to TCEQ South Texas Watermaster. Funding is also provided to support the Guadalupe-Blanco River Trust, the San Antonio Bay Foundation and Canyon Gorge preservation.

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 2019, operating costs for professional fees is budgeted at \$1,291,800.

Maintenance and repair expenses include work on the river diversion system in the delta and the periodic removal of log jams that impact water supply. Together these projects approximate \$76,800 in FY 2019.

Capital additions total \$290,000 and include the purchase of trucks and equipment to support GBRA operations.

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 2019 includes project funding for Siphon/Radial Gate Improvements. 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 and grant proceeds.

The anticipated net increase in fund balance in the Water Sales System of the Water Resource Division for FY 2019 is \$39,925.



Staffing Summary

Water Supply	# of Authorized Positions (FTE)		
	2017	2018	2019
Executive Mgr. of Operations & Water Quality	1	1	1
Executive Mgr. of Business Dev. & Resource Mgmt.	1	---	---
Executive Mgr. of Project Engineering & Dev/Chief Engineer	1	1	1
Executive Mgr. of Environmental Science & Community Affairs	---	1	1
Operations Manager - Lower Basin	1	---	---
Operations Manager - Upper Basin	1	---	---
Deputy Executive Mgr of Operations & Water Quality	1	2	2
Manager of Project Engineering	---	1	1
Division Manager - Calhoun/Refugio Counties	---	1	1
Division Manager - Hays/Caldwell Operations	1	1	1
Division Manager - Hydroelectric & Rural Utilities	---	1	1
Division Manager - Western Canyon Operations	1	1	1
Executive Director of Guadalupe Blanco River Trust	1	1	1
Executive Director of SA Bay Foundation	1	1	1
Project Manager	---	1	1
Engineer	1	2	3
Project & Community Representative	1	1	1
Regional Representative	1	1	1
Water Quality Project Manager	1	1	1
SCADA Administrator	1	---	---
GIS Analyst	1	---	---
Assistant Chief Ranger	1	1	1
Hydrologist/Technician	0.5	0.5	0.5
Project Coordinator	1	1	1
Water Quality & Permit Project Coordinator	1	1	1
Facilities Technician	---	1	1
Engineering Assistant	1	1	1
Social Media/Community Relations Specialist	1	---	---
Construction Inspector	---	3	4
Electric Inspector	---	---	1
Natural Resource Specialist	1	1	1
Maintenance Technician	---	1	1
Utilities Accounts Assistant	---	1	1
Water Quality Technician	1	1	1
Park Ranger	1	1	1
Gorge, Office Assistant	0.5	0.5	2
Administrative Assistant	---	1	1
Seasonal Ranger	0.5	---	0.5
Gorge, Land Management/Maintenance	---	---	1
Intern - Water Quality	---	---	0.5
Resource Management	---	---	2
Subtotal	25.5	33	41.5



Staffing Summary

041-Laboratory	# of Authorized Positions (FTE)		
	2017	2018	2019
Regional Lab Director	1	1	1
Deputy Lab Director	---	1	1
Quality Assurance Officer	1	1	1
Customer Project Manager	---	1	1
Laboratory Technician	5	6	6
P/T Administrative Technical Specialist	0.5	---	---
P/T Lab Assistant	0.5	---	---
Subtotal	8	10	10
Grand Total	33.5	43	51.5

Changes from FY 2017 to FY 2018

1-Deputy Executive Manager of Operations was added.

1-Engineer position was added.

½-Seasonal Ranger was removed.

1 - Deputy Lab Director was added.

1 - Customer Project Manager was added.

1 - Sample Custodian was added.

½-Administrative Technical Specialist was removed.

½-Lab Assistant was removed.

* P/T Administrative Services Assistant changed to P/T Office Assistant

1-Moved from GV Hydroelectric: Division Manager - Hydroelectric & Rural Utilities

10-Moved from General: Executive Manager of Resource Policy & Stewardship, Manager of Project Engineering, Technical Consultant, Facilities Technician, Operations Assistant, Construction Inspector (3), Maintenance Technician, and Utility Accounts Assistant

2-Removed Upper and Lower Basin Operation Managers.

4-Moved to General: Executive Manager of Business Dev & Resource Mgmt (changed to Advisor to the GM), SCADA Administrator, GIS Analyst and Social Media/Community Relations Specialist.

1-Moved from Canal to Water Sales: Port Lavaca Operations Manager (change to Division Manager-Calhoun/Refugio Counties).

Changes from FY 2018 to FY 2019

1-Engineer position was added.

1-Construction Inspector position was added.

1-Electric Inspector position was added.

1½-Gorge Office Assistant position was added.

1-Gorge Land Management position was added.

2-Resource Management position was added.

½-Lakewood Seasonal Ranger position was added.

½-Water Quality Intern position was added.

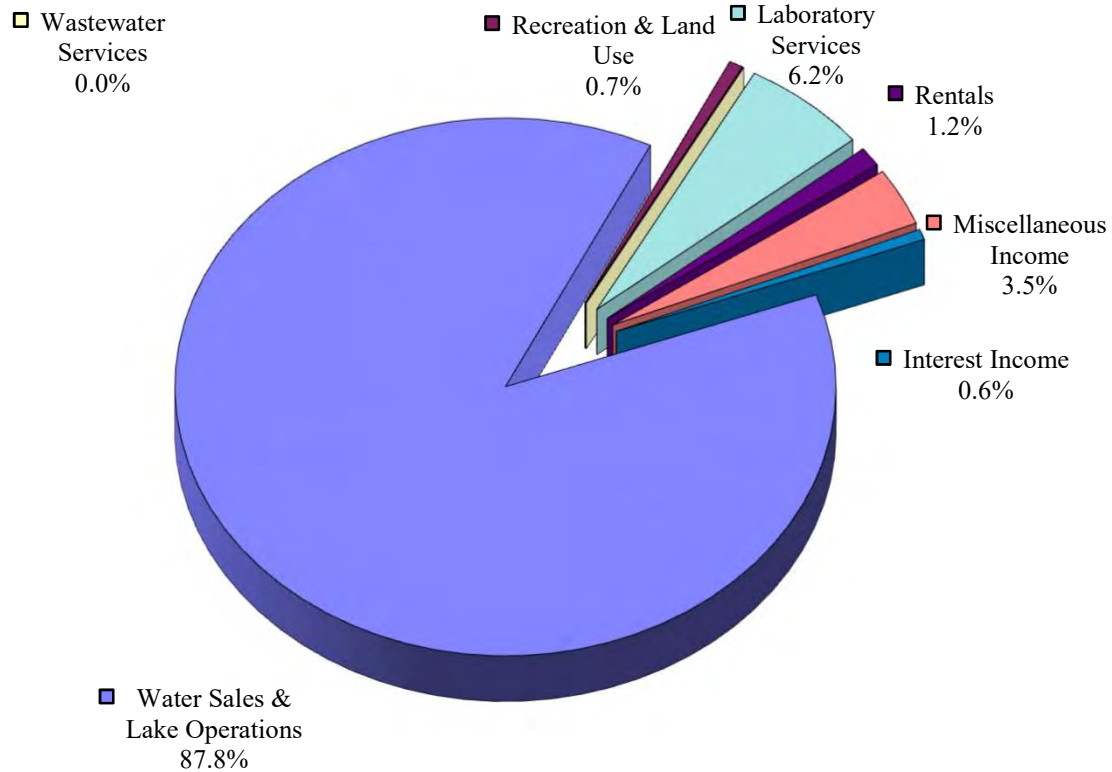


Fiscal Year 2019 Budget

flowing solutions

Budget Summary

REVENUES - Water Sales

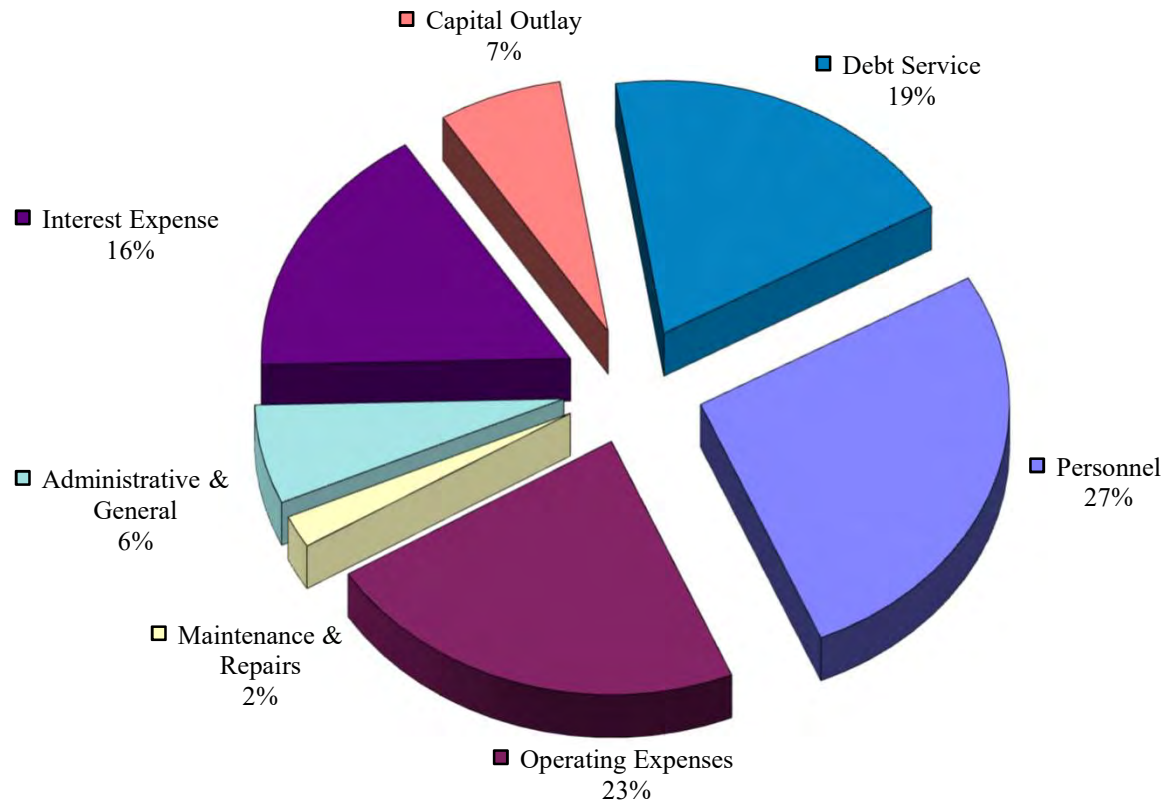


Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations	13,710,485	13,776,697	14,065,499
Recreation & Land Use	119,695	103,600	109,511
Wastewater Services			
Laboratory Services		975,000	995,222
Rentals	142,167	190,404	190,404
Administrative & General			
Miscellaneous Income	3,762,676	1,011,611	559,090
Total Operating Revenue	17,735,023	16,057,312	15,919,726
Interest Income	132,107	102,660	102,660
Capacity Charge Revenue	8,476,213	8,771,622	8,705,652
O&M Pipeline Revenue	2,164,306	2,165,803	2,253,164
Grand Total Revenues	28,507,649	27,097,397	26,981,202



Budget Summary

EXPENSES - Water Sales



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel	4,501,760	6,344,757	7,269,152
Operating Expenses	2,998,368	5,143,280	6,079,528
Maintenance & Repairs	558,941	719,024	556,086
Administrative & General	1,037,620	1,467,455	1,707,344
Total Operating Expenses	9,096,689	13,674,516	15,612,110
Interest Expense	4,134,730	4,590,076	4,419,546
Capital Outlay	7,994,189	3,941,466	1,746,478
Debt Service	3,633,737	4,880,285	5,163,143
Grand Total Expenses	24,859,345	27,086,343	26,941,277

Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019

041 - Water Sales

OPERATING BUDGET		FY 2018 BUDGET	FY 2019 BUDGET	FY 2019-2018 DIFFERENCE
OPERATING REVENUES				
Wholesale Water Sales				
42101	CANYON-COLETO CREEK POWER	868,500	881,000	12,500
42102	CANYON-INEOS	159,225	161,517	2,292
42103	CANYON-PORT LAVACA WTP	129,696	197,344	67,648
42104	CANYON-CCRWSC	10,567	10,719	152
42105	CANYON-CITY OF SEGUIN	144,750	146,833	2,083
42106	CANYON-GONZALES COUNTY WSC	50,663	51,392	729
42107	CANYON-SPRINGS HILL WSC	412,538	418,475	5,937
42108	CANYON-REBECCA CREEK MUD	18,818	19,088	270
42109	CANYON-CRWA-HAYS CO, SAN MARCOS	295,001	299,246	4,245
42110	CANYON-SEADRIFT COKE	48,347	49,042	695
42111	CANYON-UNION CARBIDE	14,475	14,683	208
42112	CANYON-STANDARD GYPSUM	37,346	41,508	4,162
42113	CANYON-STRUCTURAL METALS	101,325	102,783	1,458
42114	CANYON-NEW BRAUNFELS UTILITIES	1,406,970	1,427,220	20,250
42115	CANYON-CRYSTAL CLEAR WSC	115,800	117,467	1,667
42116	CANYON-CANYON REGIONAL WATER AUTH	1,700,919	1,745,414	44,495
42117	CANYON-CANYON LAKE WSC	926,400	939,734	13,334
42118	CANYON-CITY OF SAN MARCOS	1,447,500	1,468,333	20,833
42119	CANYON-GUADALUPE POWER PARTNERS	990,090	1,004,340	14,250
42120	CANYON-CITY OF KYLE	787,874	799,214	11,340
42121	CANYON-GREEN VALLEY SUD	144,750	146,833	2,083
42122	CANYON-HAYS ENERGY LTD PARTNERSHIP	356,664	361,797	5,133
42123	CANYON-CITY OF FAIR OAKS	267,788	271,642	3,854
42124	CANYON-SAN ANTONIO WATER SYSTEMS	1,013,341	1,029,194	15,853
42125	CANYON-CITY OF BOERNE	522,692	530,215	7,523
42126	CANYON-GBRA-COMAL TRACE	14,475	11,747	(2,728)
42127	CANYON-SAN JOSE-PARK VILLAGE	46,610	47,280	670
42128	CANYON-JACQUELYN COUSER	14,475	14,683	208
42129	CANYON-BREMER RANCH, LTD	14,475	14,683	208
42130	CANYON-CITY OF BLANCO	86,850	88,100	1,250
42131	CANYON-FORESIGHT	41,978	42,582	604
42132	CANYON-CORDILLERA RANCH, LTD	217,125	220,250	3,125
42133	CANYON-KENDALL COUNTY/TAPATIO SPRINGS	108,563	110,125	1,562

42134	CANYON-CITY OF BUDA	243,180	246,680	3,500
42135	CANYON-DH INV-JOHNSON RANCH	130,275	132,150	1,875
42136	CANYON-GOFORTH SUD	324,674	329,347	4,673
42137	CANYON-HH RANCH PROPERTIES	36,188	36,708	520
42138	CANYON-SUNFIELD	281,249	285,297	4,048
42139	CANYON-MONARCH UTILITIES, LP	81,060	82,227	1,167
42140	CANYON-MIRALOMAS MUD	108,563	110,125	1,562
42141	CANYON-SMALL WATER SALES	54,918	58,482	3,564
	Total Wholesale Water Sales	13,776,697	14,065,499	288,802
Pipeline Revenue				
42501	O&M-IH35, BUDA	63,461	46,994	(16,467)
42502	O&M-IH35, GOFORTH	128,083	112,785	(15,298)
42503	O&M-IH35, KYLE	173,865	187,975	14,110
42504	O&M-IH35, MONARCH	50,762	34,287	(16,475)
42550	O&M-RRWDS	1,208,084	1,306,238	98,154
42553	O&M-GPP	541,548	564,885	23,337
	Total Pipeline Revenue	2,165,803	2,253,164	87,361
Laboratory				
42801	REV-LABORATORY SERVICES	975,000	995,222	20,222
	Total Laboratory	975,000	995,222	20,222
Recreation & Other Rentals				
42901	REV-FACILITY RENTAL	32,000	32,000	-
42902	REV-PARK ENTRY FEES	71,600	63,303	(8,297)
42903	REV-CONCESSIONS/STORE CHARGES	-	14,208	14,208
	Total Recreation & Other Rentals	103,600	109,511	5,911
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	-
44110	INT-OPR INVESTMENT FUNDS	102,000	102,000	-
	Total Operating Interest	102,660	102,660	-
Misc Income				
45120	INSPECTION FEE INCOME-BULVERDE	56,250	-	(56,250)
45195	MISCELLANEOUS REVENUES	18,400	76,326	57,926
	Total Misc Income	74,650	76,326	1,676
Grant & Interlocal Agreement Income				
45301	GRANTS-FEDERAL	801,583	308,849	(492,734)
45302	GRANTS-STATE	135,378	30,000	(105,378)
45303	GRANTS-CLEAN RIVERS PROGRAM	-	117,156	117,156

45320	INTERLOCAL-CONTRIBUTED BY CUSTOMERS	-	26,759	26,759
	Total Grant & Interlocal Agreement Income	936,961	482,764	(454,197)
	Total Operating Revenue	18,325,775	18,275,550	(50,225)

OPERATING EXPENSES

Salaries

51101	LBR-REGULAR WAGES	4,457,282	5,077,422	620,140
51102	LBR-OVERTIME	86,508	96,351	9,843
	Total Salaries	4,543,790	5,173,773	629,983

Benefits

51298	BEN-BENEFIT ALLOCATION	1,800,967	2,095,379	294,412
	Total Benefits	1,800,967	2,095,379	294,412

Operating Supplies & Services

52101	OPR-POWER & UTILITIES	1,125,540	1,264,556	139,016
52102	OPR-AUXILIARY POWER EXPENSE	3,700	7,800	4,100
52103	OPR-CHEMICALS	167,500	177,500	10,000
52110	OPR-SMALL TOOLS AND SUPPLIES	29,500	55,950	26,450
52111	OPR-PUBLIC COMMUNICATIONS	118,000	105,000	(13,000)
52113	OPR-LAB SUPPLIES	50,200	82,000	31,800
52114	OPR-LABORATORY SERVICES-GBRA	3,200	252,922	249,722
52115	OPR-LABORATORY SERVICES-OUTSOURCED	90,000	65,000	(25,000)
52118	OPR-DISPOSAL SERVICES	9,000	11,140	2,140
52120	OPR-UNIFORMS	6,000	3,420	(2,580)
52121	OPR-SAFETY & EMERGENCY EXPENSE	5,300	6,244	944
52122	OPR-SECURITY EXPENSE	4,500	2,000	(2,500)
52123	OPR-EQUIPMENT RENTAL	35,000	26,500	(8,500)
52124	OPR-EQUIPMENT EXPENSE	51,160	45,586	(5,574)
52125	OPR-VEHICLE EXPENSE	26,300	22,200	(4,100)
52126	OPR-FLEET LEASE EXPENSE	-	1,200	1,200
52128	OPR-MOWING EXPENSE	24,000	24,000	-
52132	OPR-GAUGING AND MONITORING	32,900	42,000	9,100
52133	OPR-SCADA	-	35,000	35,000
52135	OPR-PROCESS/SPECIAL OPERATING	85,439	201,246	115,807
52137	OPR-MEMBERSHIPS & PUBLICATIONS	21,500	21,000	(500)
52138	OPR-TRAINING & EDUCATION	47,300	50,500	3,200
52140	OPR-TRAVEL	128,500	107,000	(21,500)
52145	OPR-CONTRACT LABOR	30,000	137,990	107,990
	Total Operating Supplies & Services	2,094,539	2,747,754	653,215

Professional Services and Fees

52201	OPR-PROFESSIONAL SERVICES-ENGINEERING	2,600	185,500	182,900
52205	OPR-PROFESSIONAL SERVICES-OTHER	961,851	1,106,300	144,449

52210	OPR-CORPS OF ENGINEERS	850,000	850,000	-
52211	OPR-USGS MONITORING	194,000	184,000	(10,000)
52214	OPR-EAA HABITAT CONSERVATION	400,000	400,000	-
52216	OPR-REGULATORY FEES	176,240	176,240	-
52220	OPR-BANK FEES	19,000	24,150	5,150
Total Professional Services and Fees		2,603,691	2,926,190	322,499
Office Expenses				
52301	OPR-OFFICE SUPPLIES	27,700	28,000	300
52302	OPR-COMPUTER SUPPLIES	43,500	30,500	(13,000)
52304	OPR-COPY SUPPLIES AND SERVICES	2,000	5,500	3,500
52305	OPR-POSTAGE AND FREIGHT EXPENSE	8,000	8,950	950
52306	OPR-COMMUNICATIONS	30,350	32,746	2,396
52321	OPR-ECONOMIC DEVELOPMENT	110,000	105,000	(5,000)
52322	OPR-MEDIA EXPENSE	9,000	1,992	(7,008)
52330	OPR-OUTSOURCED PRINTING EXPENSE	25,500	20,500	(5,000)
52331	OPR-JANITORIAL SUPPLIES AND SERVICE	-	2,004	2,004
Total Office Expenses		256,050	235,192	(20,858)
Other Operating Expenses				
52402	OPR-RENT EXPENSE	22,300	22,300	-
52420	OPR-INSURANCE EXPENSE	112,100	105,200	(6,900)
52430	OPR-MISC EXPENSE	54,600	42,892	(11,708)
Total Other Operating Expenses		189,000	170,392	(18,608)
SUBTOTAL OF OPERATIONAL EXPENSES		11,488,037	13,348,680	1,860,643
Maintenance and Repair Equipment				
53101	M&R-EQUIPMENT	22,000	26,000	4,000
53105	M&R-GENERATORS	12,000	12,000	-
53120	M&R-BOATS	10,800	10,800	-
Total Maintenance and Repair Equipment		44,800	48,800	4,000
Structures				
53201	M&R-BUILDING	17,444	29,444	12,000
53205	M&R-PUMPS AND MOTORS	140,700	144,000	3,300
53216	M&R-PUMPSTATIONS	17,000	17,000	-
53225	M&R-FENCES	6,000	6,000	-
53230	M&R-PIPELINES	62,000	62,000	-
53250	M&R-LAKE STRUCTURES	1,224	1,224	-
53251	M&R-PARK STRUCTURES	4,704	4,704	-
Total Structures		249,072	264,372	15,300
Other Maintenance & Repairs				
53301	M&R-ROADS	13,520	8,720	(4,800)
53305	M&R-RIGHT OF WAY	21,000	21,000	-
53310	M&R-GROUNDS	15,376	15,376	-

53315	M&R-CAMP AND PICNIC SITES	29,869	7,268	(22,601)
53324	M&R-REMOVE LOG JAMS	26,200	26,200	-
53325	M&R-GENERAL MAINTENANCE	192,680	124,350	(68,330)
53399	M&R-MISC EXPENSE	126,507	40,000	(86,507)
	Total Other Maintenance & Repairs	425,152	242,914	(182,238)
	SUBTOTAL OF M&R EXPENSES	719,024	556,086	(162,938)
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	1,467,455	1,707,344	239,889
	Total Administrative & General	1,467,455	1,707,344	239,889
	Capital Expenses			
55002	GBRA-OWNED CAPITAL EXPENSE	-	135,000	135,000
	Total Capital Expenses	-	135,000	135,000
	Capital Outlay			
61101	LAND & WATER	301,000	-	(301,000)
61102	BUILDINGS	95,000	-	(95,000)
61103	EQUIPMENT	192,000	290,000	98,000
	Total Capital Outlay	588,000	290,000	(298,000)
	Transfers			
61505	TRANSFERS-DESIGNATED PROJECT FUND	2,382,907	250,000	(2,132,907)
61510	TRANSFERS-RESTRICTED/BOND COVENANT FUND	-	1,071,478	1,071,478
61515	TRANSFERS-RESERVE FUND	970,559	-	(970,559)
	Total Transfers	3,353,466	1,321,478	(2,031,988)
	TOTAL OPERATING AND M&R EXPENSES	17,615,982	17,358,588	(257,394)
	Net Operating Income	709,793	916,962	207,169

DEBT SERVICE BUDGET

	Capacity Charge Revenue			
42601	DEBT SERV-RRWDS, COSM	666,043	662,220	(3,823)
42602	DEBT SERV-RRWDS, BUDA	110,107	103,985	(6,122)
42603	DEBT SERV-RRWDS, GOFORTH	180,556	170,518	(10,038)
42604	DEBT SERV-RRWDS, KYLE	357,820	337,928	(19,892)
42605	DEBT SERV-RRWDS, MONARCH	37,020	34,962	(2,058)
42606	DEBT SERV-RRWDS, SUNFIELD	181,812	171,705	(10,107)
42607	DEBT SERV-RRWDS, CRWA	147,020	138,847	(8,173)
42608	DEBT SERV-RRWDS, HELP	161,617	152,632	(8,985)
42640	DEBT SERV-2013 IH35, -BUDA	167,523	167,523	-

42641	DEBT SERV-2013 IH35, GOFORTH	274,738	274,738	-
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	276,971	-
42655	DEBT SERV-2013 WCANYON, BREMER	9,501	9,501	-
42656	DEBT SERV-2013 WCANYON, BOERNE	463,154	463,154	-
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	461,729	447,478	(14,251)
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	3,451,568	3,465,819	14,251
42665	DEBT SERV-2013 WCANYON, KENDALL WEST	95,006	95,006	-
42670	DEBT SERV-2016 SMWTP, BUDA	37,048	37,458	410
42671	DEBT SERV-2016 SMWTP, GOFORTH	60,758	61,431	673
42672	DEBT SERV-2016 SMWTP, KYLE	120,035	121,364	1,329
42673	DEBT SERV-2016 SMWTP, MONARCH	12,349	12,486	137
42674	DEBT SERV-2016 SMWTP, SUNFIELD	61,252	61,931	679
Total Capacity Charge Revenue		8,771,622	8,705,652	(65,970)

Total Debt Revenue	8,771,622	8,705,652	(65,970)
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Principal Payments Expense

21101	LOAN-1977 CORP OF ENGINEERS	251,460	257,746	6,286
21103	LOAN-2006 WTR RIGHTS, Luling Foundation	20,681	21,612	931
21104	LOAN-2006 WTR RIGHTS, Ussery	12,149	12,696	547
21110	LOAN-2016 PRESS/TRUCK, WFargo	35,578	36,824	1,246
21150	LOAN-BUDGET PRINCIPAL	-	75,932	75,932
21201	BOND-2007 RRWDS	315,000	113,333	(201,667)
21202	BOND-2010 RRWDS	490,000	500,000	10,000
21203	BOND-2011 GEN IMP	522,083	546,667	24,584
21204	BOND-2012 MID-BASIN	220,417	225,000	4,583
21205	BOND-2013 IH35	585,000	602,083	17,083
21206	BOND-2013 WCANYON	2,337,500	2,429,583	92,083
21209	BOND-2016 SMWTP	90,417	95,000	4,583
21211	BOND-2017 RRWDS	-	246,667	246,667

Total Principal Payments Expense	4,880,285	5,163,143	282,858
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Interest Expense

57101	INT-LONG TERM LOANS	40,690	-	(40,690)
57201	INT-1977 CANYON COE	57,430	51,145	(6,285)
57202	INT-2006 WATER RIGHTS	-	26,492	26,492
57203	INT-2007 RRWDS	750,612	353,735	(396,877)
57204	INT-2010 RRWDS	115,494	102,018	(13,476)

57205	INT-2011 GEN IMP BONDS	301,773	280,890	(20,883)
57206	INT-2012 MID-BASIN BONDS	37,577	37,239	(338)
57207	INT-2013 IH35 BONDS	612,557	599,332	(13,225)
57208	INT-2013 WCANYON BONDS	2,499,413	2,410,023	(89,390)
57210	INT-2016 SMWTP	174,530	172,724	(1,806)
57211	INT-2016 PRESS/TRUCK, W Fargo	-	11,473	11,473
57212	INT-2017 RRWDS	-	254,898	254,898
57250	INT-BUDGET LOAN EXPENSE	-	119,577	119,577
	Total Interest Expense	4,590,076	4,419,546	(170,530)
	Total Debt Expense	9,470,361	9,582,689	112,328
	Net Change in Debt Service Budget	(698,739)	(877,037)	(178,298)
	Net Change in Fund Balance	11,054	39,925	28,871

Water Sales - Capital Outlay Expense

Description	FY 2019
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Capital Outlay Funded From Current Revenues

Skid Steer w/dozer blade-Diversion System	\$	91,000
Bucket truck	\$	80,000
Replacement 4X4 Truck-Water Quality	\$	45,000
Standby Unit to Cool VFD's-GPP	\$	30,000
AC Unit for Pumpstation 2-RRWDS	\$	30,000
Stream Table Trailer-Water Quality	\$	14,000
<hr/>		
Total Water Sales Capital Outlay Expense	\$	290,000

Water Sales - Designated Project Fund

Project Description	FY 2019
Projects Funded From Current Revenues	
Siphon/Radial Gate Improvements	\$ 250,000
<hr/> Total Water Sales Designated Project Fund	<hr/> \$ 250,000 <hr/>

Note: See Financial Summary section for total project information

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: \$1,336,703

Water Resource Division

Calhoun Canal System

Operating Plan for Fiscal Year Ending 8/31/19

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 2019, revenue from water supplied to municipal and industrial customers is budgeted to increase from \$1,169,471 to \$1,233,919. 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 18.5¢ per thousand gallons in FY 2019.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

Significant operating expenses for FY 2019 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, \$30,000 for stream gaging, \$40,000 in assessments pertaining to the TCEQ South Texas Watermaster Program, and \$39,900 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 \$12,555 for the repair or purchase of pipe and water gate assemblies, and \$19,200 in materials and services for an effective control program for various aquatic weeds which restrict water flow in the canals.

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 \$0.



Staffing Summary

Calhoun Canal	# of Authorized Positions (FTE)		
	2017	2018	2019
Port Lavaca Operations Manager	1	---	---
Chief Water Tender	1	1	1
Heavy Equipment Operator	1	1	1
Maintenance Chief	1	1	1
Water Tender	3	3	3
Total	7	6	6

Changes from FY 2017 to FY 2018

1-Port Lavaca Operations Manager was moved from Canal to Water Sales with a title change to Division Manager-Calhoun/Refugio Counties.

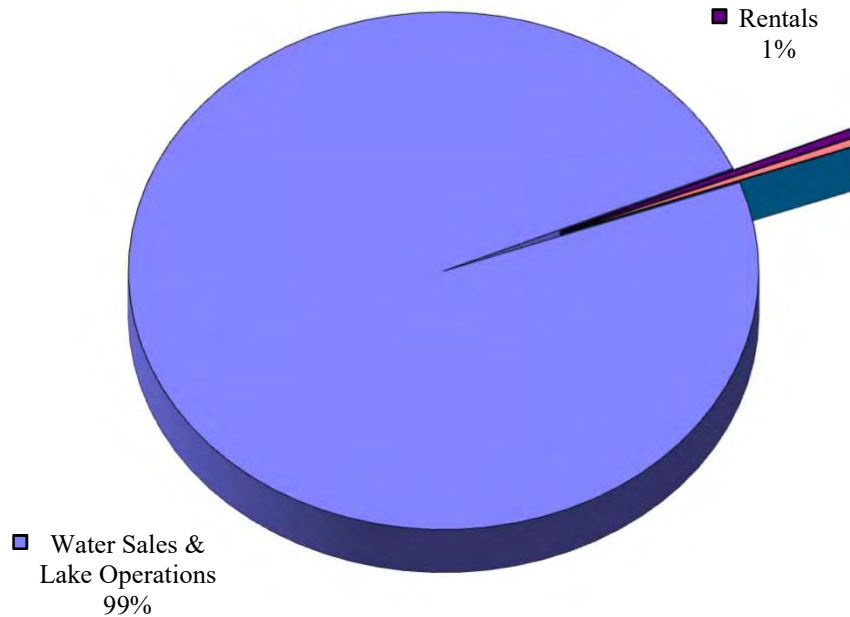
Changes from FY 2018 to FY 2019

No staffing changes for this division



Budget Summary

REVENUES - Calhoun Canal

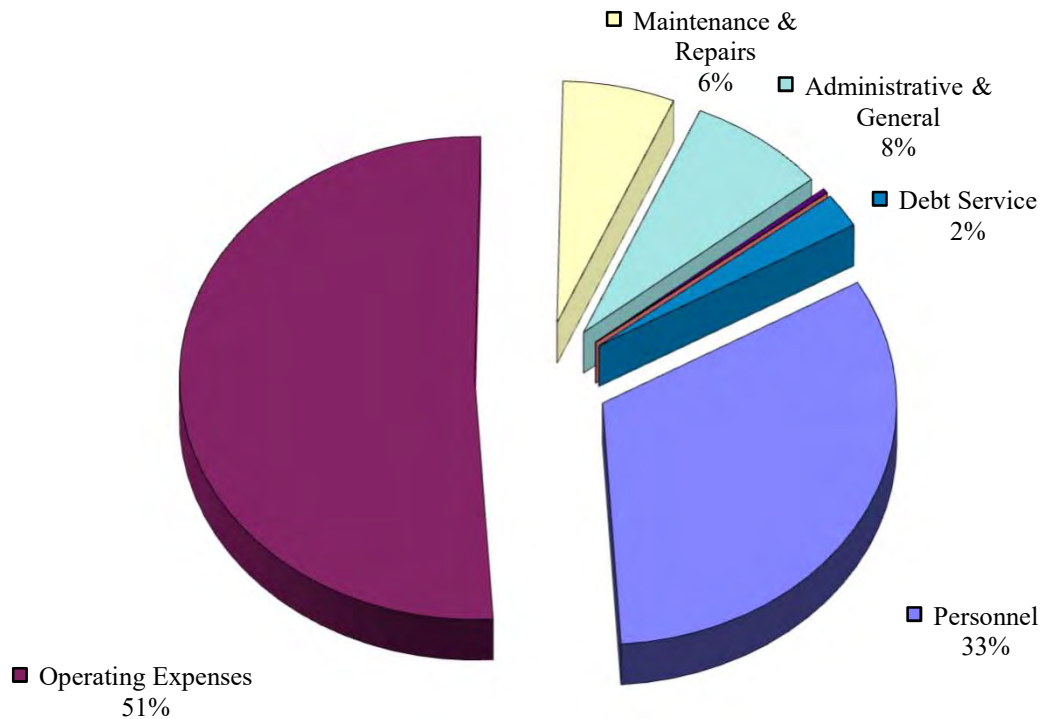


Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations	1,439,650	1,259,871	1,324,319
Recreation & Land Use			
Wastewater Services			
Laboratory Services			
Rentals	6,384	6,384	6,384
Administrative & General			
Miscellaneous Income	165,316	71,000	6,000
Total Operating Revenue	1,611,350	1,337,255	1,336,703
Interest Income	247		
Grand Total Revenues	1,611,597	1,337,255	1,336,703



Budget Summary

EXPENSES - Calhoun Canal



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel	331,500	372,119	432,254
Operating Expenses	541,005	609,068	685,960
Maintenance & Repairs	28,538	81,675	82,155
Administrative & General	78,804	87,402	101,526
Total Operating Expenses	979,847	1,150,264	1,301,895
Interest Expense			4,026
Capital Outlay	10,461	145,000	
Debt Service			30,782
Grand Total Expenses	990,308	1,295,264	1,336,703

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019**

043 - Calhoun Canal

OPERATING BUDGET		FY 2018 BUDGET	FY 2019 BUDGET	FY 2019-2018 DIFFERENCE
OPERATING REVENUES				
Wholesale Water Sales				
42170	CANAL-PT LAVACA	96,295	101,798	5,503
42171	CANAL-RURAL WATER	16,504	17,447	943
42172	CANAL-CARBIDE	794,635	840,042	45,407
42173	CANAL-INEOS	219,657	230,118	10,461
42174	CANAL-SPRINKLER IRRIGATION	27,000	27,000	-
42175	CANAL-SEADRIFT COKE	24,792	25,922	1,130
42176	CANAL-CRAWFISH FARM	9,000	9,000	-
42177	CANAL-PONDS & RIGS	12,100	12,100	-
42178	CANAL-WATERFOWL	15,600	15,600	-
42179	CANAL-POC IDC	17,588	18,592	1,004
42180	CANAL-CATFISH FARM	8,700	8,700	-
42181	CANAL-OTHER	18,000	18,000	-
	Total Wholesale Water Sales	1,259,871	1,324,319	64,448
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	-
Grant & Interlocal Agreement Income				
45301	GRANTS-FEDERAL	65,000	-	(65,000)
	Total Grant & Interlocal Agreement Income	65,000	-	(65,000)
	Total Operating Revenue	1,337,255	1,336,703	(552)
OPERATING EXPENSES				
Salaries				
51101	LBR-REGULAR WAGES	245,897	255,379	9,482
51102	LBR-OVERTIME	18,956	52,275	33,319

Total Salaries		264,853	307,654	42,801
Benefits				
51298	BEN-BENEFIT ALLOCATION	107,266	124,600	17,334
Total Benefits		107,266	124,600	17,334
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	27,480	30,000	2,520
52126	OPR-FLEET LEASE EXPENSE	-	9,600	9,600
52132	OPR-GAUGING AND MONITORING	38,400	30,000	(8,400)
52135	OPR-PROCESS/SPECIAL OPERATING	600	600	-
52137	OPR-MEMBERSHIPS & PUBLICATIONS	720	720	-
52138	OPR-TRAINING & EDUCATION	1,056	1,056	-
52140	OPR-TRAVEL	1,200	1,200	-
52145	OPR-CONTRACT LABOR	3,600	3,600	-
52150	OPR-WATER PURCHASES/DELIVERY	348,000	415,842	67,842
Total Operating Supplies & Services		509,128	580,690	71,562
Professional Services and Fees				
52205	OPR-PROFESSIONAL SERVICES-OTHER	1,800	1,800	-
52216	OPR-REGULATORY FEES	37,220	40,000	2,780
Total Professional Services and Fees		39,020	41,800	2,780
Office Expenses				
52301	OPR-OFFICE SUPPLIES	2,400	2,400	-
52302	OPR-COMPUTER SUPPLIES	4,800	6,650	1,850
52306	OPR-COMMUNICATIONS	6,360	6,360	-
52322	OPR-MEDIA EXPENSE	1,200	1,200	-
Total Office Expenses		14,760	16,610	1,850
Other Operating Expenses				
52404	OPR-RIGHT OF WAY	2,400	2,400	-
52420	OPR-INSURANCE EXPENSE	39,200	39,900	700
52430	OPR-MISC EXPENSE	4,560	4,560	-
Total Other Operating Expenses		46,160	46,860	700
SUBTOTAL OF OPERATIONAL EXPENSES		981,187	1,118,214	137,027
Maintenance and Repair Equipment				

53101	M&R-EQUIPMENT	4,800	4,800	-
53115	M&R-METERS AND PUMPS	1,680	2,160	480
	Total Maintenance and Repair Equipment	6,480	6,960	480
	Structures			
53201	M&R-BUILDING	6,960	6,960	-
53210	M&R-GATES AND VALVES	12,555	12,555	-
53230	M&R-PIPELINES	1,200	1,200	-
	Total Structures	20,715	20,715	-
	Other Maintenance & Repairs			
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	54,480	-
	SUBTOTAL OF M&R EXPENSES	81,675	82,155	480
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	87,402	101,526	14,124
	Total Administrative & General	87,402	101,526	14,124
	Capital Outlay			
61103	EQUIPMENT	45,000	-	(45,000)
	Total Capital Outlay	45,000	-	(45,000)
	Transfers			
61505	TRANSFER TO PROJECT FUND	100,000	-	(100,000)
	Total Transfers	100,000	-	(100,000)
	TOTAL OPERATING AND M&R EXPENSES	1,295,264	1,301,895	6,631
	Net Operating Income	41,991	34,808	(7,183)

DEBT SERVICE BUDGET

	Principal Payments Expense			
21150	LOAN-BUDGET PRINCIPAL EXPENSE	-	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	<u>-</u>	<u>4,026</u>	<u>4,026</u>
Total Debt Expense	<u>-</u>	<u>34,808</u>	<u>34,808</u>
Net Change in Debt Service Budget	<u>-</u>	<u>(34,808)</u>	<u>(34,808)</u>
Net Change in Fund Balance	<u>41,991</u>	<u>-</u>	<u>(41,991)</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: 3,676,760,000 |
| • Startup Operation Date: January 2000 | • # of Current Employees: 8 |
| • Service Area: Hays County, TX | • Budgeted Revenue: \$2,240,284 |

Water Resource Division

San Marcos Water Treatment Plant

Operating Plan for Fiscal Year Ending 8/31/19

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 mid-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 I-35 pipeline. 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 I-35 transmission line, 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 \$963,308 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 2019, these pass through reimbursements are projected to total \$1,103,007. Revenue from other water customers is estimated to be \$967,992.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

The total operating costs budgeted for FY 2019 is \$2,268,352. Significant costs within the budget include personnel costs at \$604,345, Power and Utilities at \$488,710, Chemicals at \$499,717, clarifier maintenance including painting the clarifier #1 at \$90,000, and administrative expenses at \$141,946. Power and chemical costs are based on a daily average flow of 7.90 MGD at the Plant, and 1.79 MGD at the Wells.

FUND BALANCE

The budget projects a fund balance of \$0.



Staffing Summary

San Marcos WTP	# of Authorized Positions (FTE)		
	2017	2018	2019
Plant Manager	1	1	1
Chief Operator	1	1	1
Operator	6	6	6
Total	8	8	8

Changes from FY 2017 to FY 2018

No staffing changes for this division.

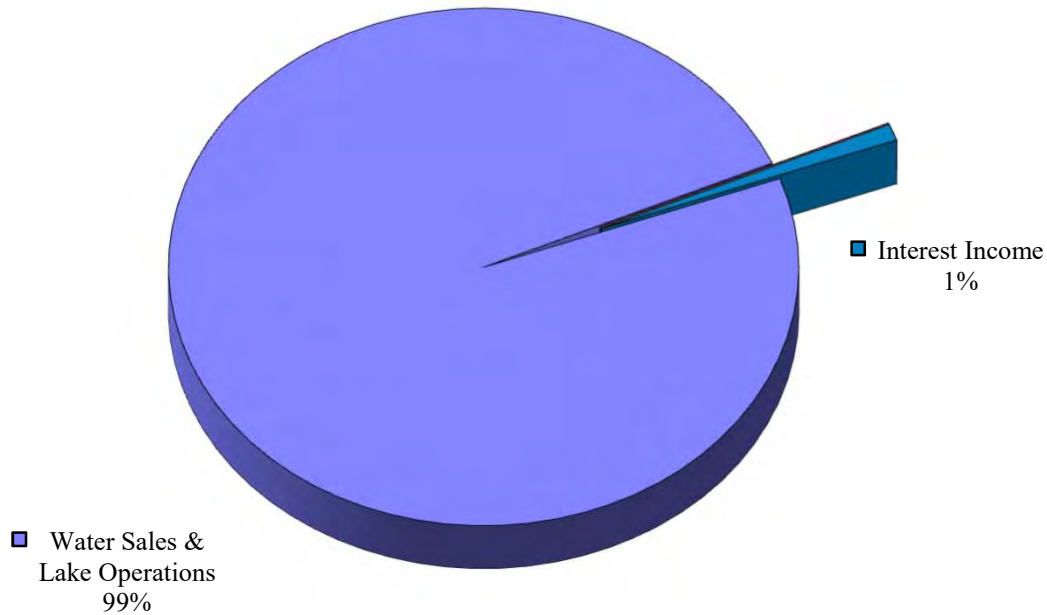
Changes from FY 2018 to FY 2019

No staffing changes for this division.



Budget Summary

REVENUES - San Marcos WTP

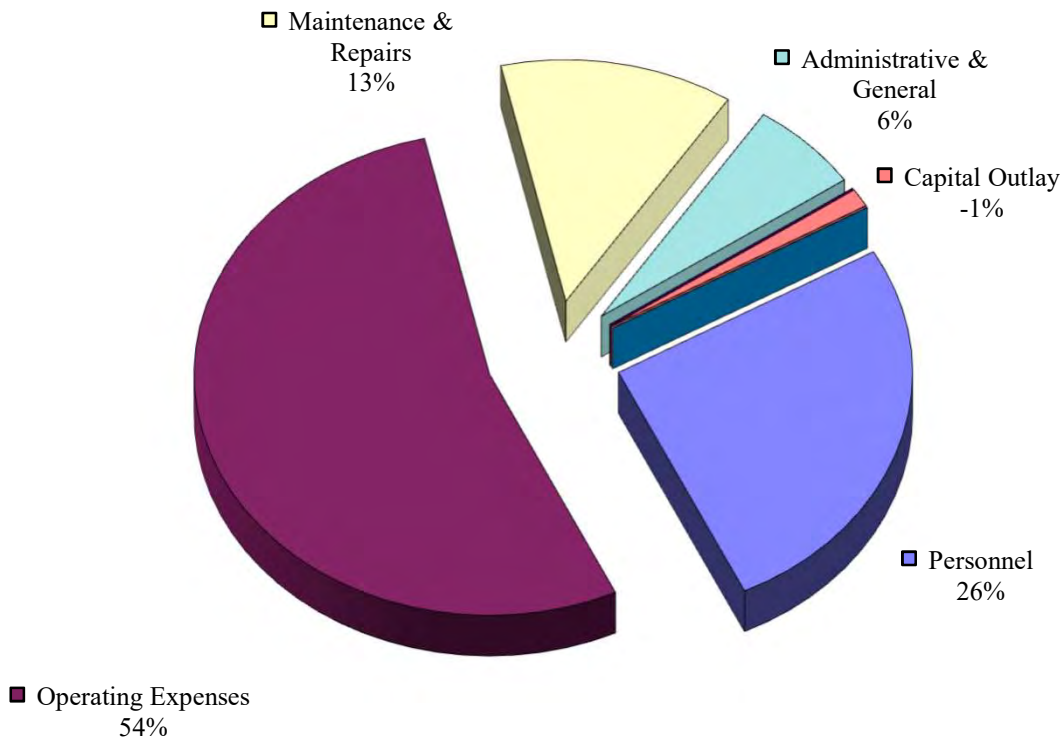


Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations	934,768	939,225	963,308
Recreation & Land Use			
Wastewater Services			
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	909,059	38,571	
Total Operating Revenue	1,843,827	977,796	963,308
Interest Income	8,186	10,000	10,000
Pass-Through Cost Reimbursement		914,560	1,103,007
O&M Pipeline Revenue		155,544	163,969
Grand Total Revenues	1,852,013	2,057,900	2,240,284



Budget Summary

EXPENSES - San Marcos WTP



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel	591,640	565,917	604,345
Operating Expenses	818,043	1,044,730	1,228,097
Maintenance & Repairs	140,794	297,264	293,964
Administrative & General	138,321	132,920	141,946
Total Operating Expenses	1,688,798	2,040,831	2,268,352
Interest Expense			
Capital Outlay		2,467	(28,068)
Debt Service			
Grand Total Expenses	1,688,798	2,043,298	2,240,284

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019**

044 - San Marcos WTP

OPERATING BUDGET	FY 2018 BUDGET	FY 2019 BUDGET	FY 2019-2018 DIFFERENCE
OPERATING REVENUES			
Wholesale Water Treatment			
42201 ANNUAL SERVICE FEE INCOME	939,225	963,308	24,083
Total Wholesale Water Treatment	939,225	963,308	24,083
Pipeline Revenue			
42570 O&M-SMWTP, COSM	(590,784)	(804,023)	(213,239)
42571 O&M-SMWTP, BUDA	113,808	119,070	5,262
42572 O&M-SMWTP, GOFORTH	229,692	285,768	56,076
42573 O&M-SMWTP, KYLE	311,796	476,280	164,484
42574 O&M-SMWTP, MONARCH	91,032	86,874	(4,158)
Total Pipeline Revenue	155,544	163,969	8,425
Operating Interest			
44101 INT-OPR CASH ACCOUNTS	10,000	10,000	-
Total Operating Interest	10,000	10,000	-
Misc Income			
45195 MISCELLANEOUS REVENUES	38,571	-	(38,571)
Total Misc Income	38,571	-	(38,571)
Pass-Through Costs			
45240 PASS-THROUGH-ELECTRIC COSTS	379,524	379,524	-
45241 PASS-THROUGH-CHEMICAL COSTS	297,734	482,181	184,447
45242 PASS-THROUGH-GNDWTR ELECTRIC COSTS	109,186	109,186	-
45243 PASS-THROUGH-GNDWTR CHEMICAL COSTS	15,736	17,536	1,800
45244 PASS-THROUGH-INSURANCE	37,100	35,300	(1,800)
45245 PASS-THROUGH-LOC	9,280	9,280	-
45246 PASS-THROUGH-INSPECTION	66,000	70,000	4,000
Total Pass-Through Costs	914,560	1,103,007	188,447
Total Operating Revenue	2,057,900	2,240,284	182,384
OPERATING EXPENSES			

Salaries				
51101	LBR-REGULAR WAGES	360,217	394,863	34,646
51102	LBR-OVERTIME	42,571	35,276	(7,295)
Total Salaries		402,788	430,139	27,351
Benefits				
51298	BEN-BENEFIT ALLOCATION	163,129	174,206	11,077
Total Benefits		163,129	174,206	11,077
Operating Supplies & Services				
52101	OPR-POWER & UTILITIES	488,710	488,710	-
52103	OPR-CHEMICALS	313,470	499,717	186,247
52110	OPR-SMALL TOOLS AND SUPPLIES	3,020	3,020	-
52113	OPR-LAB SUPPLIES	21,900	21,900	-
52118	OPR-DISPOSAL SERVICES	50,000	50,000	-
52120	OPR-UNIFORMS	4,000	4,000	-
52121	OPR-SAFTY & EMERGENCY EXPENSE	1,500	1,500	-
52124	OPR-EQUIPMENT EXPENSE	1,000	1,000	-
52125	OPR-VEHICLE EXPENSE	10,360	10,360	-
52126	OPR-FLEET LEASE EXPENSE	-	1,200	1,200
52135	OPR-PROCESS/SPECIAL OPERATING	13,500	13,500	-
52137	OPR-MEMBERSHIPS & PUBLICATIONS	1,200	1,500	300
52138	OPR-TRAINING & EDUCATION	4,600	5,000	400
Total Operating Supplies & Services		913,260	1,101,407	188,147
Professional Services and Fees				
52205	OPR-PROFESSIONAL SERVICES-OTHER	7,000	7,000	-
52217	OPR-INSPECTION FEES	66,000	70,000	4,000
52220	OPR-BANK FEES	9,280	-	(9,280)
Total Professional Services and Fees		82,280	77,000	(5,280)
Office Expenses				
52301	OPR-OFFICE SUPPLIES	3,000	3,500	500
52302	OPR-COMPUTER SUPPLIES	4,000	3,800	(200)
52306	OPR-COMMUNICATIONS	4,440	4,440	-
52322	OPR-MEDIA EXPENSE	650	650	-
Total Office Expenses		12,090	12,390	300
Other Operating Expenses				
52420	OPR-INSURANCE EXPENSE	37,100	35,300	(1,800)
52430	OPR-MISC EXPENSE	-	2,000	2,000
Total Other Operating Expenses		37,100	37,300	200
SUBTOTAL OF OPERATIONAL EXPENSES		1,610,647	1,832,442	221,795
Maintenance and Repair Equipment				
53101	M&R-EQUIPMENT	40,600	35,800	(4,800)

53105 M&R-GENERATORS	6,000	8,000	2,000
53115 M&R-METERS AND PUMPS	5,800	5,800	-
Total Maintenance and Repair Equipment	52,400	49,600	(2,800)
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	8,500	-
53216 M&R-PUMPSTATIONS	28,500	18,500	(10,000)
53220 M&R-CLARIFIERS	80,000	90,000	10,000
53238 M&R-FILTERS	82,414	81,034	(1,380)
Total Structures	207,114	205,734	(1,380)
Other Maintenance & Repairs			
53301 M&R-ROADS	1,100	1,200	100
53310 M&R-GROUNDS	32,720	33,500	780
53320 M&R-PONDS AND LAGOONS	700	700	-
53325 M&R-GENERAL MAINTENANCE	2,450	2,450	-
53399 M&R-MISC EXPENSE	780	780	-
Total Other Maintenance & Repairs	37,750	38,630	880
SUBTOTAL OF M&R EXPENSES	297,264	293,964	(3,300)
Administrative & General			
54100 ADMINISTRATIVE & GENERAL	132,920	141,946	9,026
Total Administrative & General	132,920	141,946	9,026
Capital Outlay			
61103 EQUIPMENT	90,000	-	(90,000)
Total Capital Outlay	90,000	-	(90,000)
Transfers			
61515 TRANSFER TO RESERVE FUND	(87,533)	(28,068)	59,465
Total Transfers	(87,533)	(28,068)	59,465
TOTAL OPERATING AND M&R EXPENSES	2,043,298	2,240,284	196,986
Net Operating Income	14,602	-	(14,602)
Net Change in Fund Balance	14,602	-	(14,602)



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: \$890,267 |
| • Customer: City of Buda | |

Water Resource Division

Buda Wastewater Treatment Plant System

Operating Plan for Fiscal Year Ending 8/31/19

BACKGROUND

The following Work Plan and Budget for the Buda Wastewater Treatment Plant is based on the treatment of an average sewage flow of 496 million gallons per year or 1.359 million gallons per day (MGD). The plant was expanded during Fiscal Year 2012 with current treatment capacity of 1.5 MGD. A permit amendment to increase flow to 3.5 MGD was recently approved by TCEQ.

Four 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

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 proposed FY 2019 budget is based upon a 12-month fiscal year ending August 31, 2019. 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 496,000,000 gallons. The budgeted FY 2019 revenue for the Buda Division is \$890,267, which is \$182,625 or 25.8% more than last year's budget.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

The combined capital additions and operating expenditure budget for FY 2019 amounts to \$890,267 which is \$182,625 or 25.8% more than FY 2018. Major expenses include power and utility costs of \$130,000, biosolids disposal costs of \$82,000, and chemical costs of \$94,200. Also, lab supplies and expenses are estimated at \$41,000 and a chlorine scrubber rehab is estimated at \$40,000.

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 2019 is \$0.



Staffing Summary

Buda WWTP	# of Authorized Positions (FTE)		
	2017	2018	2019
Operator	2	2	2
Total	2	2	2

Changes from FY 2017 to FY 2018

No staffing changes for this division.

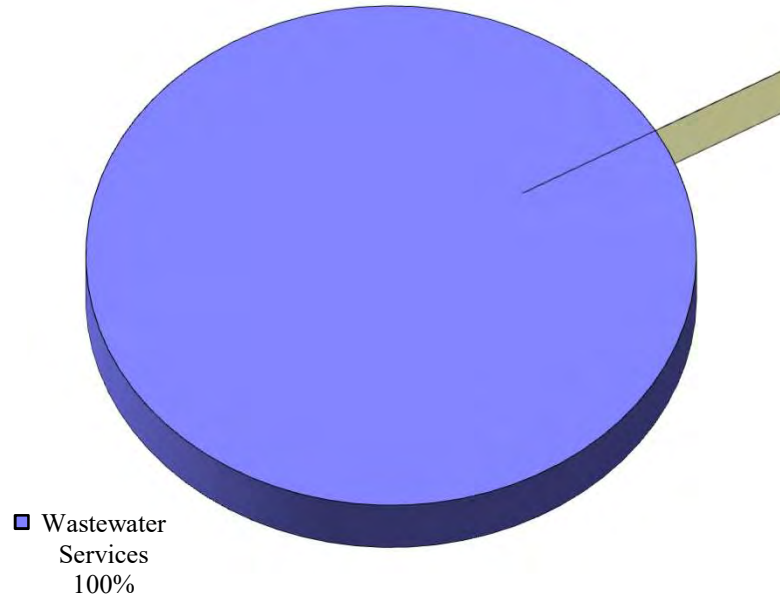
Changes from FY 2018 to FY 2019

No staffing changes for this division.



Budget Summary

REVENUES -Buda WWTP

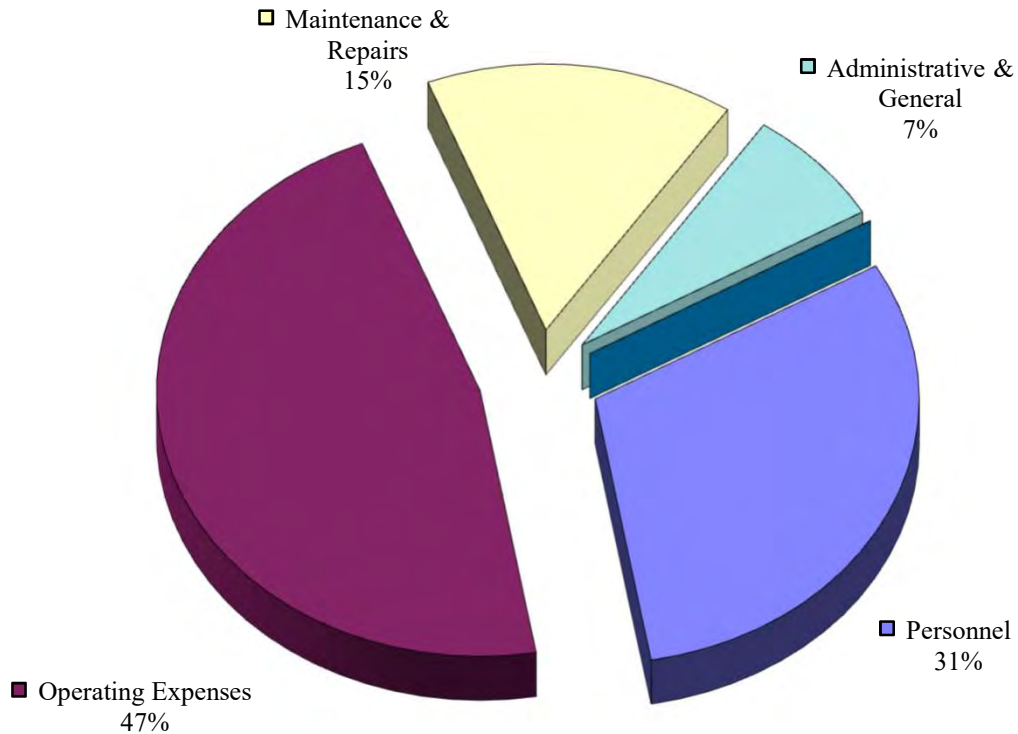


Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services	703,710	707,642	890,267
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	1,658		
Total Operating Revenue	705,368	707,642	890,267
Interest Income	222		
Grand Total Revenues	705,590	707,642	890,267



Budget Summary

EXPENSES - Buda WWTP



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel	199,806	167,459	272,122
Operating Expenses	373,491	403,970	416,830
Maintenance & Repairs	80,501	96,881	137,400
Administrative & General	46,790	39,332	63,915
Total Operating Expenses	700,588	707,642	890,267
Interest Expense			
Capital Outlay	1,780		
Debt Service			
Grand Total Expenses	702,368	707,642	890,267

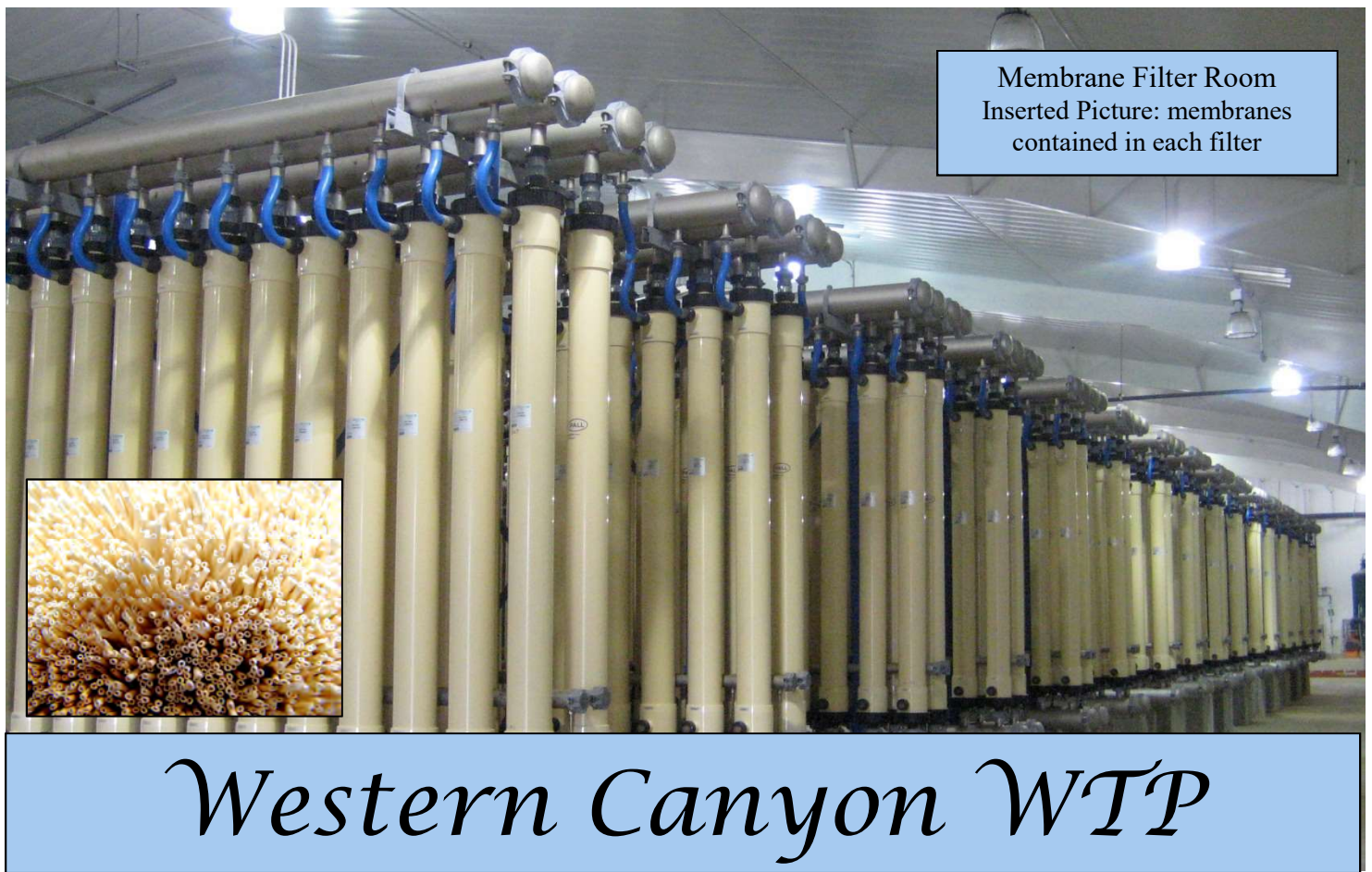
Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019

045 - Buda WWTP

		FY 2018	FY 2019	FY 2019-2018
	OPERATING BUDGET	BUDGET	BUDGET	DIFFERENCE
	OPERATING REVENUES			
	Wastewater Treatment			
41201	WW-OPR & MAINTENANCE	668,310	826,352	158,042
41202	WW-ADMINISTRATIVE & GENERAL	39,332	63,915	24,583
41207	WW-CREDIT TO CUSTOMER	-	(1,800)	(1,800)
	Total Wastewater Treatment	707,642	888,467	180,825
	Internal Transfers			
43002	REV-BUILDING RENTAL	-	1,800	1,800
	Total Internal Transfers	-	1,800	1,800
	Total Operating Revenue	707,642	890,267	182,625
	OPERATING EXPENSES			
	Salaries			
51101	LBR-REGULAR WAGES	111,486	178,407	66,921
51102	LBR-OVERTIME	7,702	15,274	7,572
	Total Salaries	119,188	193,681	74,493
	Benefits			
51298	BEN-BENEFIT ALLOCATION	48,271	78,441	30,170
	Total Benefits	48,271	78,441	30,170
	Operating Supplies & Services			
52101	OPR-POWER & UTILITIES	130,000	130,000	-
52102	OPR-AUXILIARY POWER EXPENSE	6,700	6,700	-
52103	OPR-CHEMICALS	98,200	94,200	(4,000)
52110	OPR-SMALL TOOLS AND SUPPLIES	600	600	-
52113	OPR-LAB SUPPLIES	37,000	41,000	4,000
52118	OPR-DISPOSAL SERVICES	80,620	82,000	1,380
52120	OPR-UNIFORMS	1,650	2,400	750
52121	OPR-SAFETY & EMERGENCY EXPENSE	2,500	4,000	1,500
52124	OPR-EQUIPMENT EXPENSE	2,600	2,600	-
52125	OPR-VEHICLE EXPENSE	6,500	3,000	(3,500)

52126	OPR-FLEET LEASE EXPENSE	-	10,800	10,800
52137	OPR-MEMBERSHIPS & PUBLICATIONS	180	480	300
52138	OPR-TRAINING & EDUCATION	1,420	1,950	530
52140	OPR-TRAVEL	1,200	1,000	(200)
	Total Operating Supplies & Services	369,170	380,730	11,560
	Professional Services and Fees			
52205	OPR-PROFESSIONAL SERVICES-OTHER	6,600	6,600	-
52217	OPR-INSPECTION FEES	14,000	14,000	-
	Total Professional Services and Fees	20,600	20,600	-
	Office Expenses			
52301	OPR-OFFICE SUPPLIES	1,200	1,200	-
52302	OPR-COMPUTER SUPPLIES	4,500	4,500	-
52306	OPR-COMMUNICATIONS	5,200	6,000	800
	Total Office Expenses	10,900	11,700	800
	Other Operating Expenses			
52420	OPR-INSURANCE EXPENSE	2,700	3,200	500
52430	OPR-MISC EXPENSE	600	600	-
	Total Other Operating Expenses	3,300	3,800	500
	SUBTOTAL OF OPERATIONAL EXPENSES	571,429	688,952	117,523
	Maintenance and Repair Equipment			
53101	M&R-EQUIPMENT	10,300	50,300	40,000
53110	M&R-CONTROL SYSTEMS	12,000	12,000	-
53115	M&R-METERS AND PUMPS	2,050	2,000	(50)
	Total Maintenance and Repair Equipment	24,350	64,300	39,950
	Structures			
53201	M&R-BUILDING	1,201	1,000	(201)
53205	M&R-PUMPS AND MOTORS	25,700	30,000	4,300
53210	M&R-GATES AND VALVES	19,800	20,000	200
53220	M&R-CLARIFIERS	19,460	16,000	(3,460)
53238	M&R-FILTERS	550	600	50
	Total Structures	66,711	67,600	889
	Other Maintenance & Repairs			
53310	M&R-GROUNDS	4,860	4,500	(360)
53399	M&R-MISC EXPENSE	960	1,000	40
	Total Other Maintenance & Repairs	5,820	5,500	(320)
	SUBTOTAL OF M&R EXPENSES	96,881	137,400	40,519
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	39,332	63,915	24,583

Total Administrative & General	<u>39,332</u>	<u>63,915</u>	<u>24,583</u>
TOTAL OPERATING AND M&R EXPENSES	<u>707,642</u>	<u>890,267</u>	<u>182,625</u>
Net Operating Income	<u>-</u>	<u>-</u>	<u>-</u>
Net Change in Fund Balance	<u>-</u>	<u>-</u>	<u>-</u>



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.

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- | | |
|----------------------------------------|-------------------------------------------|
| • Service Provided: Water treatment | • Capacity: 10 mgd |
| • Location: Canyon Lake, TX | • # of Current Employees: 13 |
| • Startup Operation Date: 2006 | • Budgeted Operating Revenue: \$3,941,720 |
| • Service Area: Comal & Kendall Co, TX | |

Western Canyon Division

Western Canyon Water Treatment Plant System

Operating Plan for Fiscal Year Ending 8/31/19

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, 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 2019 is \$1.074 per thousand gallons.

CAPITAL ADDITIONS AND OPERATING EXPENSES

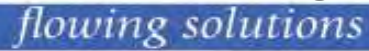
The principal operating expenditures budgeted for FY 2019 includes total power costs of \$1,252,000. This includes the electrical power for the Western Canyon WTP, the raw water pump station, the Ammann Road booster pump station, and the Highway 3351 booster pump station. Chemical costs of \$328,500, for chlorine use for disinfection, membrane cleaning chemicals like sodium hydroxide, citric acid and sodium hypochlorite, and the water treatment coagulant aluminum chlorohydrate. Also included is the sludge disposal cost of \$150,000, and chemical cleaning (CIP) water disposal costs of \$250,000.

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 two vehicles in the amount of \$30,000 each, and purchasing a personnel lift to assist in membrane module maintenance and replacing lamps in the membrane treatment building. The lift is budgeted at \$20,000.

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 2019, the fund balance is expected to be \$196,379.



Staffing Summary

Western Canyon WTP	# of Authorized Positions (FTE)		
	2017	2018	2019
Electrical/Instrumentation Technician	1	1	1
Chief Operator	1	2	3
Operator	5	6	7
Distribution/Plant Operator	3	2	2
Total	10	11	13

Changes from FY 2017 to FY 2018

1-Maintenance Operator position was added.

Changes from FY 2018 to FY 2019

1-Chief Operator position was added.

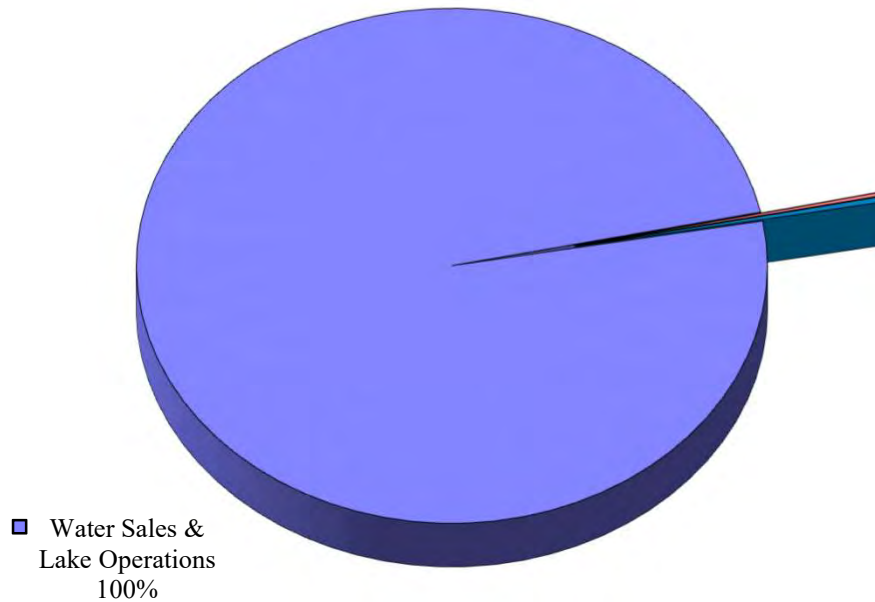
1-Operator position was added.

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

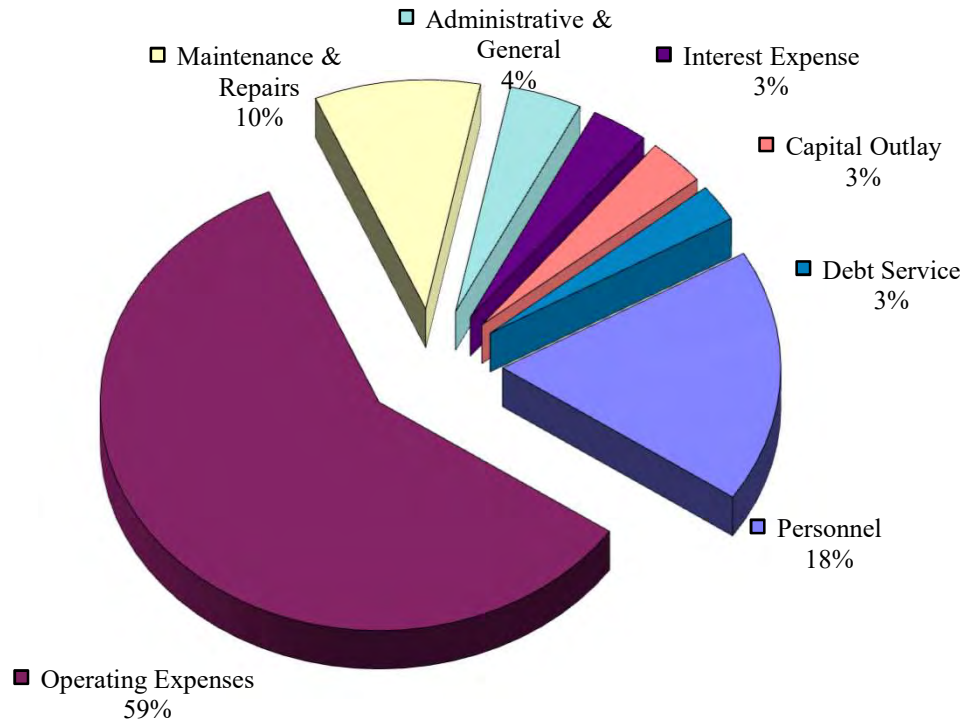


Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations	3,897,996	3,897,996	3,897,996
Recreation & Land Use			
Wastewater Services			
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	4,313		8,500
Total Operating Revenue	3,902,309	3,897,996	3,906,496
Interest Income	9,015	13,200	13,200
Capacity Charge Revenue		304,900	263,537
Grand Total Revenues	3,911,324	4,216,096	4,183,233



Budget Summary

EXPENSES - Western Canyon WTP



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel	704,846	780,081	716,127
Operating Expenses	2,298,062	2,379,225	2,365,225
Maintenance & Repairs	227,908	325,000	386,000
Administrative & General	164,028	183,222	168,201
Total Operating Expenses	3,394,844	3,667,528	3,635,553
Interest Expense		172,626	133,325
Capital Outlay	869,373	165,000	135,000
Debt Service		104,556	105,000
Grand Total Expenses	4,264,217	4,109,710	4,008,878

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019**

050 - Western Canyon WTP

OPERATING BUDGET		FY 2018 BUDGET	FY 2019 BUDGET	FY 2019-2018 DIFFERENCE
OPERATING REVENUES				
Wholesale Water Treatment				
42230	WCANYON WTP O&M	3,920,020	3,920,020	-
	Total Wholesale Water Treatment	3,920,020	3,920,020	-
Operating Interest				
44101	INT-OPR CASH ACCOUNTS	13,200	13,200	-
	Total Operating Interest	13,200	13,200	-
Misc Income				
45195	MISCELLANEOUS REVENUES	-	8,500	8,500
	Total Misc Income	-	8,500	8,500
	Total Operating Revenue	3,933,220	3,941,720	8,500
OPERATING EXPENSES				
Salaries				
51101	LBR-REGULAR WAGES	496,294	455,034	(41,260)
51102	LBR-OVERTIME	58,924	54,665	(4,259)
	Total Salaries	555,218	509,699	(45,519)
Benefits				
51298	BEN-BENEFIT ALLOCATION	224,863	206,428	(18,435)
	Total Benefits	224,863	206,428	(18,435)
Operating Supplies & Services				
52101	OPR-POWER & UTILITIES	1,260,000	1,252,000	(8,000)
52102	OPR-AUXILIARY POWER EXPENSE	3,000	3,000	-
52103	OPR-CHEMICALS	374,000	328,500	(45,500)
52110	OPR-SMALL TOOLS AND SUPPLIES	10,500	10,500	-
52113	OPR-LAB SUPPLIES	60,000	85,000	25,000
52118	OPR-DISPOSAL SERVICES	400,000	400,000	-
52120	OPR-UNIFORMS	4,500	4,700	200
52121	OPR-SAFETY & EMERGENCY EXPENSE	7,000	7,000	-

52122	OPR-SECURITY EXPENSE	6,000	5,000	(1,000)
52123	OPR-EQUIPMENT RENTAL	3,000	2,000	(1,000)
52124	OPR-EQUIPMENT EXPENSE	7,000	7,000	-
52125	OPR-VEHICLE EXPENSE	29,000	33,000	4,000
52133	OPR-SCADA	33,000	33,000	-
52135	OPR-PROCESS/SPECIAL OPERATING	500	500	-
52137	OPR-MEMBERSHIPS & PUBLICATIONS	1,200	1,200	-
52138	OPR-TRAINING & EDUCATION	7,300	7,000	(300)
52140	OPR-TRAVEL	4,000	4,000	-
52145	OPR-CONTRACT LABOR	-	15,000	15,000
	Total Operating Supplies & Services	2,210,000	2,198,400	(11,600)
Professional Services and Fees				
52205	OPR-PROFESSIONAL SERVICES-OTHER	87,075	87,075	-
52217	OPR-INSPECTION FEES	1,500	1,500	-
52220	OPR-BANK FEES	-	1,000	1,000
	Total Professional Services and Fees	88,575	89,575	1,000
Office Expenses				
52301	OPR-OFFICE SUPPLIES	10,000	10,000	-
52302	OPR-COMPUTER SUPPLIES	13,000	7,300	(5,700)
52306	OPR-COMMUNICATIONS	10,000	10,000	-
52322	OPR-MEDIA EXPENSE	500	500	-
	Total Office Expenses	33,500	27,800	(5,700)
Other Operating Expenses				
52420	OPR-INSURANCE EXPENSE	40,000	42,300	2,300
52430	OPR-MISC EXPENSE	7,150	7,150	-
	Total Other Operating Expenses	47,150	49,450	2,300
	SUBTOTAL OF OPERATIONAL EXPENSES	3,159,306	3,081,352	(77,954)
Maintenance and Repair Equipment				
53101	M&R-EQUIPMENT	188,500	188,000	(500)
53115	M&R-METERS AND PUMPS	1,000	1,000	-
	Total Maintenance and Repair Equipment	189,500	189,000	(500)
Structures				
53201	M&R-BUILDING	18,000	10,000	(8,000)
53202	M&R-CLEARWELLS	4,000	4,000	-
53216	M&R-PUMPSTATIONS	69,500	136,500	67,000
53235	M&R-TRANSMISSION LINES	17,500	20,000	2,500
	Total Structures	109,000	170,500	61,500
Other Maintenance & Repairs				
53301	M&R-ROADS	3,500	3,500	-
53310	M&R-GROUNDS	13,000	13,000	-

53320	M&R-PONDS AND LAGOONS	5,500	5,500	-
53399	M&R-MISC EXPENSE	4,500	4,500	-
	Total Other Maintenance & Repairs	26,500	26,500	-
	SUBTOTAL OF M&R EXPENSES	325,000	386,000	61,000
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	183,222	168,201	(15,021)
	Total Administrative & General	183,222	168,201	(15,021)
	Capital Outlay			
61103	EQUIPMENT	90,000	80,000	(10,000)
	Total Capital Outlay	90,000	80,000	(10,000)
	Transfers			
61505	TRANSFERS-DESIGNATED PROJECT FUND	75,000	55,000	(20,000)
	Total Transfers	75,000	55,000	(20,000)
	TOTAL OPERATING AND M&R EXPENSES	3,832,528	3,770,553	(61,975)
	Net Operating Income	100,692	171,167	70,475

DEBT SERVICE BUDGET

	Capacity Charge Revenue			
42680	DEBT SERV-2017 TTHM, BOERNE	26,543	22,942	(3,601)
42681	DEBT SERV-2017 TTHM, BREMER	544	471	(73)
42682	DEBT SERV-2017 TTHM, CLWSC	19,655	16,989	(2,666)
42683	DEBT SERV-2017 TTHM, COMAL TRACE	2,042	1,765	(277)
42684	DEBT SERV-2017 TTHM, COUSER	544	471	(73)
42685	DEBT SERV-2017 TTHM, FAIR OAKS	26,461	22,871	(3,590)
42686	DEBT SERV-2017 TTHM, GBRA CORDILLERA	11,570	10,000	(1,570)
42687	DEBT SERV-2017 TTHM, JOHNSON RANCH	8,167	7,059	(1,108)
42688	DEBT SERV-2017 TTHM, KENDALL WEST	5,445	4,706	(739)
42689	DEBT SERV-2017 TTHM, MIRALOMAS	6,125	5,294	(831)
42690	DEBT SERV-2017 TTHM, SAWS	197,804	170,969	(26,835)
	Total Capacity Charge Revenue	304,900	263,537	(41,363)
	Total Debt Revenue	304,900	263,537	(41,363)
	Principal Payments Expense			
21212	BOND-2017 WCANYON AERATION	104,556	105,000	444
	Total Principal Payments Expense	104,556	105,000	444

Interest Expense				
57214	INT-2017 WCANYON AERATION	<u>172,626</u>	<u>133,325</u>	<u>(39,301)</u>
Total Interest Expense		<u>172,626</u>	<u>133,325</u>	<u>(39,301)</u>
 Total Debt Expense		 <u>277,182</u>	 <u>238,325</u>	 <u>(38,857)</u>
 Net Change in Debt Service Budget		 <u>27,718</u>	 <u>25,212</u>	 <u>(2,506)</u>
 Net Change in Fund Balance		 <u>128,410</u>	 <u>196,379</u>	 <u>67,969</u>

Western Canyon WTP - Capital Outlay Expense

Description	FY 2019
Capital Outlay Funded From Current Revenues	
Replacement Truck	\$ 30,000
Relacement SUV	\$ 30,000
Personnel Lift	\$ 20,000
<u>Total Western Canyon WTP Capital Outlay Expense</u>	<u>\$ 80,000</u>

Western Canyon Division - Designated Project Fund

Project Description	FY 2019
Projects Funded From Existing Sources	
FM 3351 Pump Station Upgrades	\$ 55,000
<hr/> Total Western Canyon Designated Project Fund	<hr/> \$ 55,000 <hr/>

Note: See Financial Summary section for total project information



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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.

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <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: \$222,613 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|

Western Canyon Division

Four S Ranch Wastewater Reclamation System

Operating Plan for Fiscal Year Ending 8/31/19

BACKGROUND

The following Work Plan and Budget is based on GBRA providing construction inspection services until the Development finishes constructing wastewater plant and collection system during the third quarter of FY 2019.

REVENUE SOURCES AND TRENDS

The Four S Ranch Wastewater Reclamation Facility will consist of retail wastewater collection, a wastewater treatment plant and possibly a reuse system. Three operators will divide their time between the Cordillera Ranch, Johnson Ranch, Comal Trace, Bulverde Singing Hills Wastewater Reclamation System, Park Village, and Four S Ranch. The Division Manager for Comal/Kendall Counties provides overall supervision of the system. GBRA's budget forecast includes all payroll and benefits expenses.

CAPITAL ADDITIONS AND OPERATING EXPENSES

The contract between the Comal County WCID No. 6 District and GBRA provides that GBRA operate the plant and associated facilities 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 plant 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 2019 service revenue for the Four S Ranch Wastewater System is \$222,613.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

The combined capital additions and operating expenditure budget for FY 2019 amounts to \$222,613.

Significant operating and maintenance expenses for FY 2019 include \$10,000 for power and utilities, \$15,000 for laboratory services and supplies, and \$40,500 for biosolids disposal services.

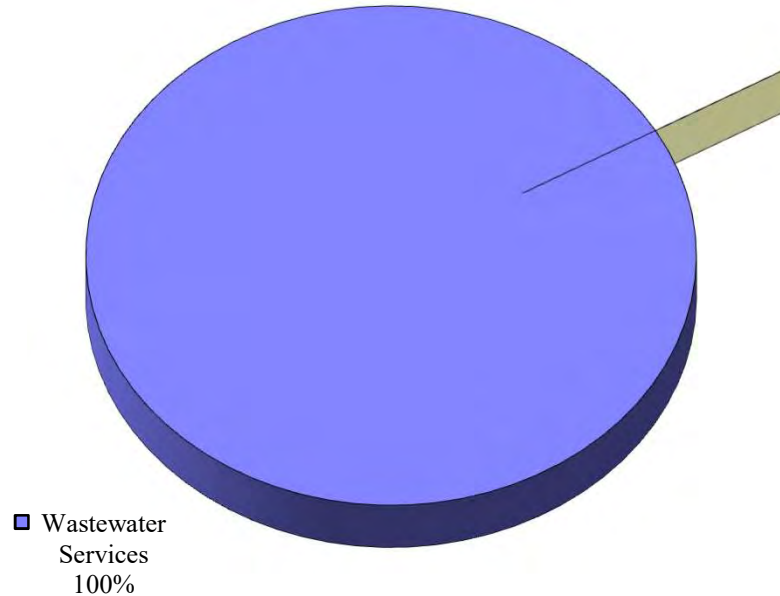
FUND BALANCE

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

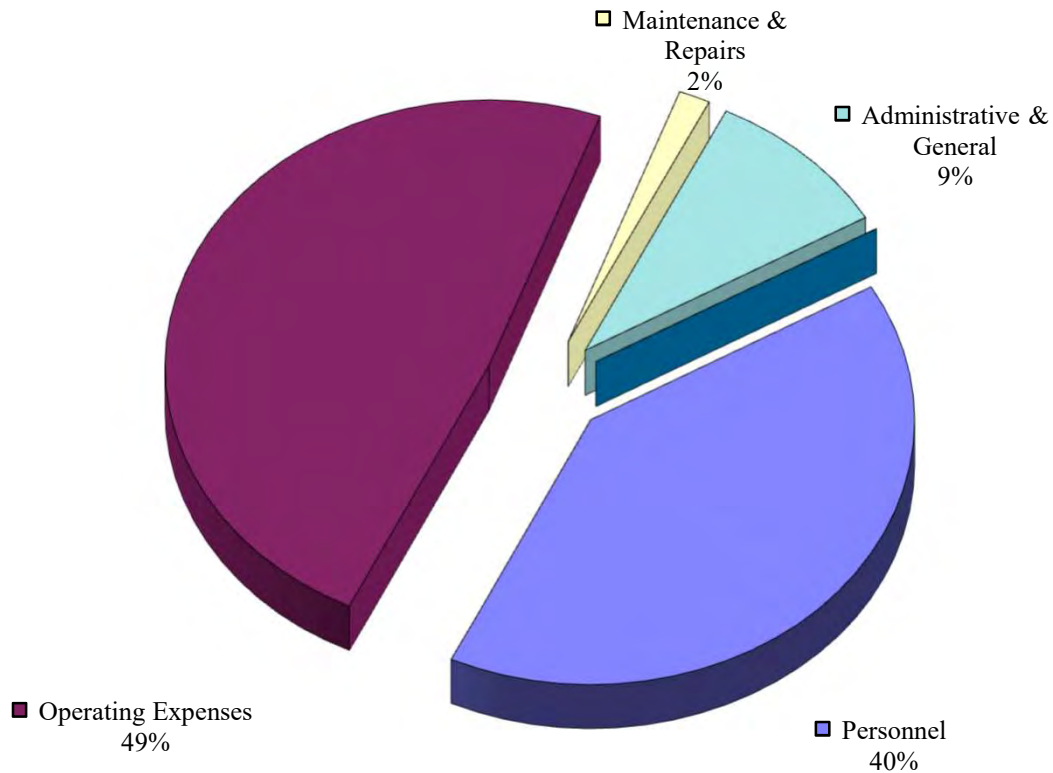


Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services		139,971	222,613
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income			
Total Operating Revenue		139,971	222,613
Interest Income			
Grand Total Revenues	0	139,971	222,613



Budget Summary

EXPENSES - 4S Ranch WWRS



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel		93,711	89,979
Operating Expenses		24,250	108,000
Maintenance & Repairs			3,500
Administrative & General		22,010	21,134
Total Operating Expenses		139,971	222,613
Interest Expense			
Capital Outlay			
Debt Service			
Grand Total Expenses	0	139,971	222,613

Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019

051 - 4S Ranch WWRS

OPERATING BUDGET	FY 2018 BUDGET	FY 2019 BUDGET	FY 2019-2018 DIFFERENCE
OPERATING REVENUES			
Retail Water Sales			
42350 CHARGES TO DEVELOPERS	-	59,113	59,113
Total Retail Water Sales	-	59,113	59,113
Retail Wastewater			
42401 WASTEWATER SERVICES	-	81,000	81,000
42402 SEWER CONNECTION/INSP FEES	-	82,500	82,500
Total Retail Wastewater	-	163,500	163,500
Total Operating Revenue	-	222,613	222,613
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	66,698	53,508	(13,190)
51102 LBR-OVERTIME	-	10,534	10,534
Total Salaries	66,698	64,042	(2,656)
Benefits			
51298 BEN-BENEFIT ALLOCATION	27,013	25,937	(1,076)
Total Benefits	27,013	25,937	(1,076)
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	5,600
52110 OPR-SMALL TOOLS AND SUPPLIES	-	1,000	1,000
52113 OPR-LAB SUPPLIES	-	15,000	15,000
52118 OPR-DISPOSAL SERVICES	-	40,500	40,500
52120 OPR-UNIFORMS	-	200	200
52121 OPR-SAFTY & EMERGENCY EXPENSE	-	1,000	1,000
52122 OPR-SECURITY EXPENSE	-	100	100
52125 OPR-VEHICLE EXPENSE	100	1,000	900
52133 OPR-SCADA	-	500	500

52137 OPR-MEMBERSHIPS & PUBLICATIONS	-	200	200
52138 OPR-TRAINING & EDUCATION	-	200	200
52140 OPR-TRAVEL	-	100	100
Total Operating Supplies & Services	100	77,400	77,300
Professional Services and Fees			
52205 OPR-PROFESSIONAL SERVICES-OTHER	24,150	25,000	850
Total Professional Services and Fees	24,150	25,000	850
Office Expenses			
52301 OPR-OFFICE SUPPLIES	-	1,000	1,000
52302 OPR-COMPUTER SUPPLIES	-	1,100	1,100
52306 OPR-COMMUNICATIONS	-	1,000	1,000
Total Office Expenses	-	3,100	3,100
Other Operating Expenses			
52420 OPR-INSURANCE EXPENSE	-	1,000	1,000
52430 OPR-MISC EXPENSE	-	1,500	1,500
Total Other Operating Expenses	-	2,500	2,500
SUBTOTAL OF OPERATIONAL EXPENSES	117,961	197,979	80,018
Structures			
53205 M&R-PUMPS AND MOTORS	-	500	500
Total Structures	-	500	500
Other Maintenance & Repairs			
53325 M&R-GENERAL MAINTENANCE	-	3,000	3,000
Total Other Maintenance & Repairs	-	3,000	3,000
SUBTOTAL OF M&R EXPENSES	-	3,500	3,500
Administrative & General			
54100 ADMINISTRATIVE & GENERAL	22,010	21,134	(876)
Total Administrative & General	22,010	21,134	(876)
TOTAL OPERATING AND M&R EXPENSES	139,971	222,613	82,642
Net Operating Income	(139,971)	-	139,971

DEBT SERVICE BUDGET

Internal Loan Revenue			
24201 I/F LOAN-GENERAL	139,971	-	(139,971)

Total Internal Loan Revenue	<u>139,971</u>	<u>-</u>	<u>(139,971)</u>
Total Debt Revenue	<u>139,971</u>	<u>-</u>	<u>(139,971)</u>
Net Change in Debt Service Budget	<u>139,971</u>	<u>-</u>	<u>(139,971)</u>
Net Change in Fund Balance	<u>-</u>	<u>-</u>	<u>-</u>



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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.

-
- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none">• Service Provided: Water distribution• Location: Boerne, TX• Startup Operation Date: 2006 | <ul style="list-style-type: none">• Service Area: Kendall Co., TX• Capacity: 1.3 mgd• Budgeted Revenue: \$816,836 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|

Western Canyon Division

Cordillera Ranch Subdivision Water System

Operating Plan for Fiscal Year Ending 8/31/19

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 \$808,836 during FY 2019. This is an approximate 1.6% increase over FY 2018 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 \$31,500 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. This increase is similar to the above described revenue increase and is due to the increasing volume of water being delivered to the system and subsequently sold to customers.

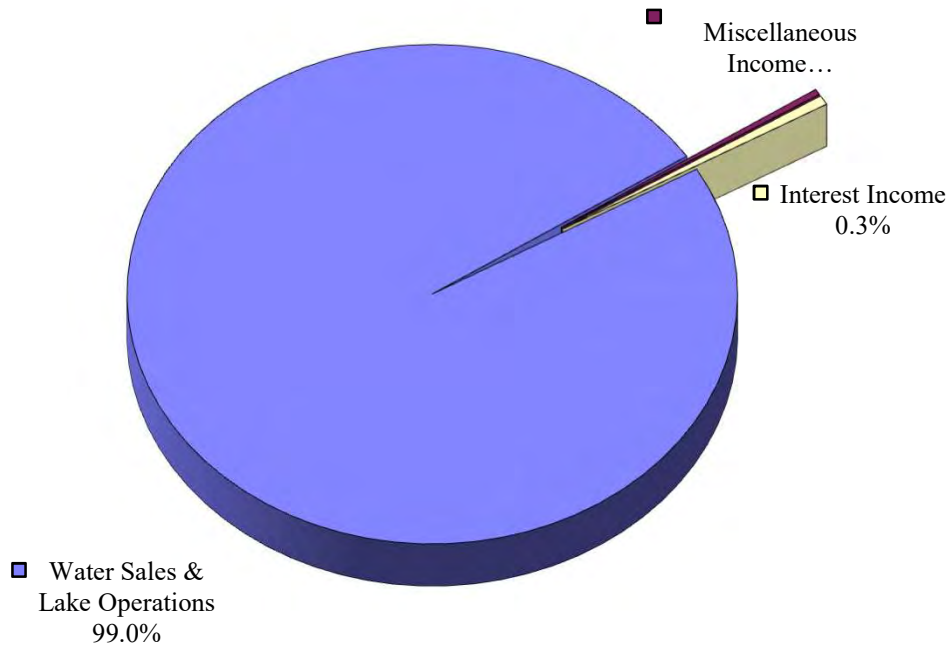
FUND BALANCE

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 \$54,333 and thus an increase in fund balance of that same amount is anticipated.



Budget Summary

REVENUES -Cordillera WDS

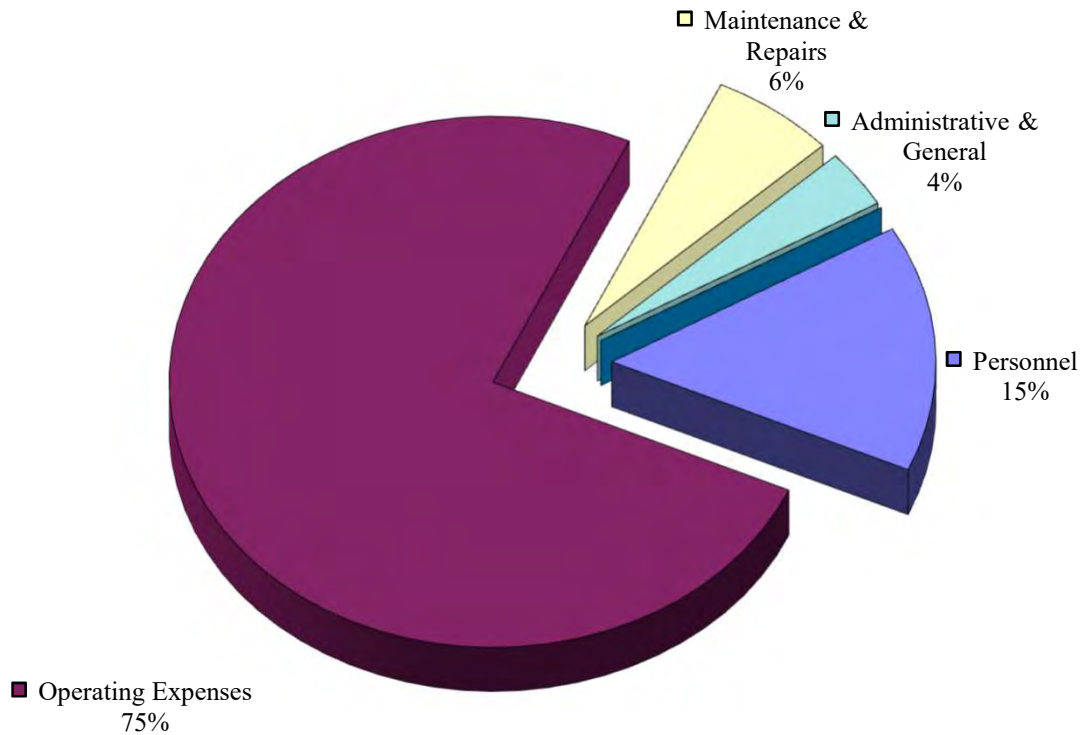


Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations	904,966	796,022	808,836
Recreation & Land Use			
Wastewater Services			
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	56,727	6,557	3,000
Total Operating Revenue	961,693	802,579	811,836
Interest Income	2,711	3,000	5,000
Grand Total Revenues	964,404	805,579	816,836



Budget Summary

EXPENSES - Cordillera WDS



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel	75,986	93,602	114,184
Operating Expenses	462,932	467,171	574,000
Maintenance & Repairs	8,664	53,500	47,500
Administrative & General	17,847	21,985	26,819
Total Operating Expenses	565,429	636,258	762,503
Interest Expense			
Capital Outlay		42,000	
Debt Service			
Grand Total Expenses	565,429	678,258	762,503

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019**

052 - Cordillera WDS

OPERATING BUDGET	FY 2018 BUDGET	FY 2019 BUDGET	FY 2019-2018 DIFFERENCE
OPERATING REVENUES			
Retail Water Sales			
42301 WATER SALES	734,807	710,000	(24,807)
42302 WHOLESALE WATER SALES	14,879	52,500	37,621
42310 WATER CONNECTION FEES	46,336	46,336	-
Total Retail Water Sales	796,022	808,836	12,814
Operating Interest			
44101 INT-OPR CASH ACCOUNTS	-	5,000	5,000
44110 INT-OPR INVESTMENT FUNDS	3,000	-	(3,000)
Total Operating Interest	3,000	5,000	2,000
Misc Income			
45195 MISCELLANEOUS REVENUES	6,557	3,000	(3,557)
Total Misc Income	6,557	3,000	(3,557)
Total Operating Revenue	805,579	816,836	11,257
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	56,233	79,106	22,873
51102 LBR-OVERTIME	10,388	2,164	(8,224)
Total Salaries	66,621	81,270	14,649
Benefits			
51298 BEN-BENEFIT ALLOCATION	26,981	32,914	5,933
Total Benefits	26,981	32,914	5,933
Operating Supplies & Services			
52101 OPR-POWER & UTILITIES	30,000	31,000	1,000
52103 OPR-CHEMICALS	1,500	1,500	-
52110 OPR-SMALL TOOLS AND SUPPLIES	500	500	-
52113 OPR-LAB SUPPLIES	2,500	2,500	-
52121 OPR-SAFETY & EMERGENCY EXPENSE	500	500	-

52122	OPR-SECURITY EXPENSE	2,000	1,000	(1,000)
52124	OPR-EQUIPMENT EXPENSE	500	500	-
52125	OPR-VEHICLE EXPENSE	4,000	1,000	(3,000)
52133	OPR-SCADA	3,000	3,000	-
52140	OPR-TRAVEL	800	500	(300)
52150	OPR-WATER PURCHASES/DELIVERY	410,971	520,000	109,029
	Total Operating Supplies & Services	456,271	562,000	105,729
Professional Services and Fees				
52205	OPR-PROFESSIONAL SERVICES-OTHER	2,500	2,000	(500)
52217	OPR-INSPECTION FEES	2,000	2,000	-
	Total Professional Services and Fees	4,500	4,000	(500)
Office Expenses				
52301	OPR-OFFICE SUPPLIES	1,000	1,000	-
52302	OPR-COMPUTER SUPPLIES	500	1,300	800
52306	OPR-COMMUNICATIONS	-	1,000	1,000
	Total Office Expenses	1,500	3,300	1,800
Other Operating Expenses				
52420	OPR-INSURANCE EXPENSE	2,400	2,700	300
52430	OPR-MISC EXPENSE	2,500	2,000	(500)
	Total Other Operating Expenses	4,900	4,700	(200)
	SUBTOTAL OF OPERATIONAL EXPENSES	560,773	688,184	127,411
Maintenance and Repair Equipment				
53115	M&R-METERS AND PUMPS	16,000	16,000	-
	Total Maintenance and Repair Equipment	16,000	16,000	-
Structures				
53201	M&R-BUILDING	6,000	-	(6,000)
53205	M&R-PUMPS AND MOTORS	7,500	7,500	-
	Total Structures	13,500	7,500	(6,000)
Other Maintenance & Repairs				
53325	M&R-GENERAL MAINTENANCE	24,000	24,000	-
	Total Other Maintenance & Repairs	24,000	24,000	-
	SUBTOTAL OF M&R EXPENSES	53,500	47,500	(6,000)
Administrative & General				
54100	ADMINISTRATIVE & GENERAL	21,985	26,819	4,834
	Total Administrative & General	21,985	26,819	4,834
Capital Outlay				
61102	BUILDINGS	30,000	-	(30,000)

61103 EQUIPMENT	12,000	-	(12,000)
Total Capital Outlay	42,000	-	(42,000)
TOTAL OPERATING AND M&R EXPENSES	678,258	762,503	84,245
Net Operating Income	127,321	54,333	(72,988)
Net Change in Fund Balance	127,321	54,333	(72,988)



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Cordillera WWTP

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.

-
- | | |
|---------------------------------------------------------|---------------------------------|
| • Service Provided: Wastewater collection and treatment | • Service Area: Kendall Co., TX |
| • Location: Boerne, TX | • Capacity: 0.064 MGD |
| • Startup Operation Date: 2006 | • Budgeted Revenue \$414,795 |

Western Canyon Division

Cordillera Ranch Subdivision Sewer System

Operating Plan for Fiscal Year Ending 8/31/19

BACKGROUND

GBRA's Cordillera Ranch Sewer System is responsible for operating the Cordillera Ranch Subdivision sewer system including the collection system, including grinder pumps at each residence, 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 2019 is \$414,795 which is a 16.3% increase over the FY 2018 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 \$20,000 for biosolids disposal costs, \$15,000 power and utilities costs, and \$11,000 for laboratory expenses.

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.

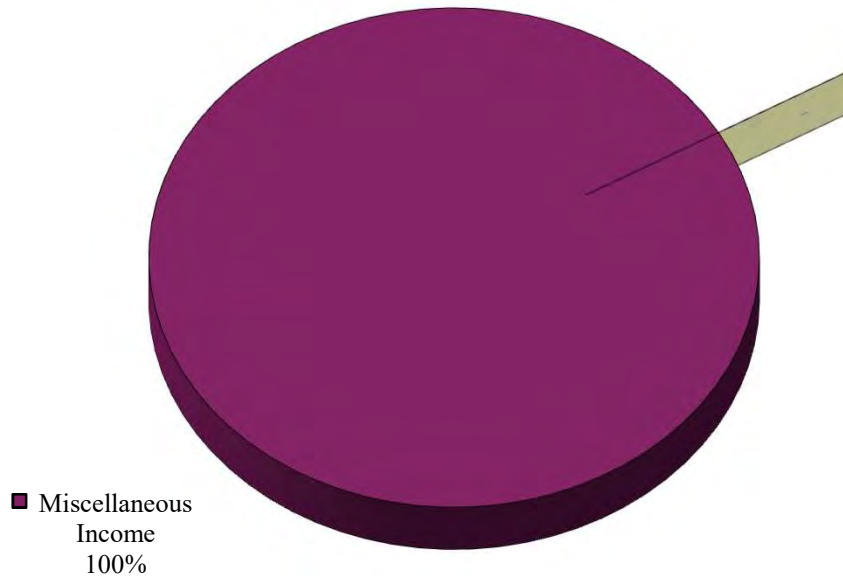
FUND BALANCE

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 \$297.



Budget Summary

REVENUES -Cordillera WWTP

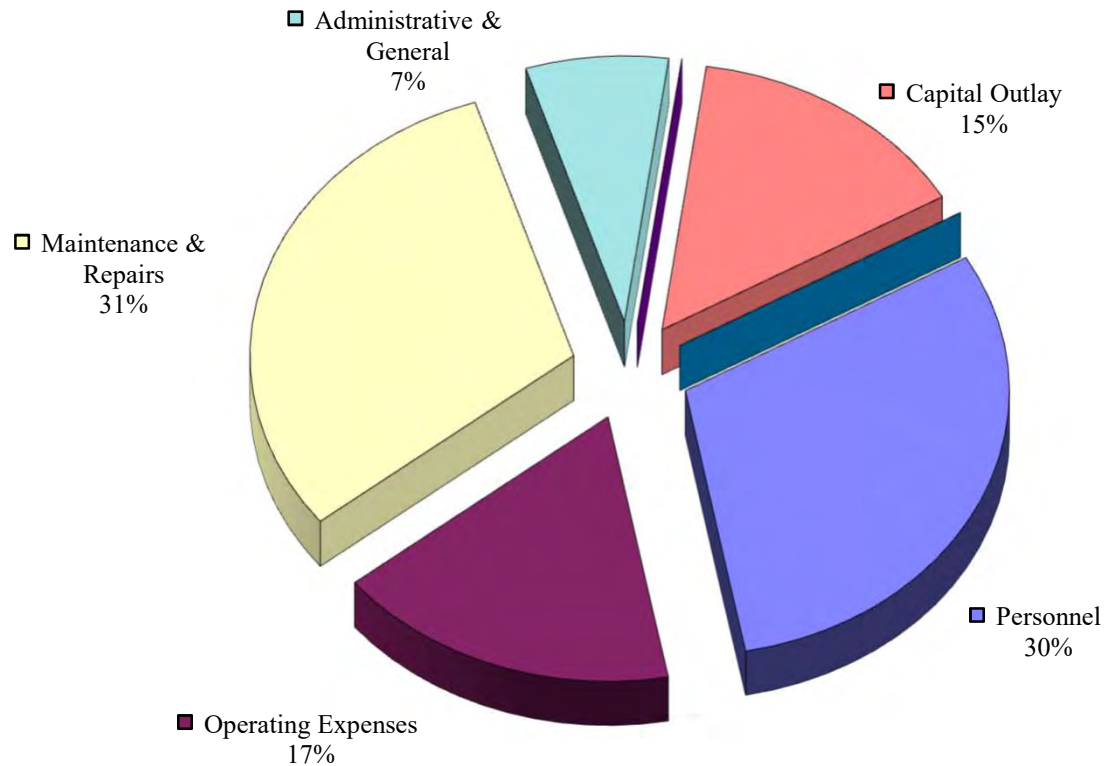


Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services	215,208	352,625	410,625
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	126,933	4,170	4,170
Total Operating Revenue	342,141	356,795	414,795
Interest Income			
Grand Total Revenues	342,141	356,795	414,795



Budget Summary

EXPENSES - Cordillera WWTP



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel	72,634	81,437	125,801
Operating Expenses	63,137	125,990	71,650
Maintenance & Repairs	162,422	124,875	127,500
Administrative & General	17,060	19,128	29,547
Total Operating Expenses	315,253	351,430	354,498
Interest Expense			
Capital Outlay	12,000		60,000
Debt Service			
Grand Total Expenses	327,253	351,430	414,498

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019**

053 - Cordillera WWTP

OPERATING BUDGET	FY 2018 BUDGET	FY 2019 BUDGET	FY 2019-2018 DIFFERENCE
OPERATING REVENUES			
Retail Wastewater			
42401 WASTEWATER SERVICES	252,000	310,000	58,000
42402 SEWER CONNECTION/INSP FEES	74,625	74,625	-
42404 SERVICE CALL INCOME	26,000	26,000	-
Total Retail Wastewater	352,625	410,625	58,000
Misc Income			
45195 MISCELLANEOUS REVENUES	4,170	4,170	-
Total Misc Income	4,170	4,170	-
Total Operating Revenue	356,795	414,795	58,000
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	45,488	84,731	39,243
51102 LBR-OVERTIME	12,474	4,807	(7,667)
Total Salaries	57,962	89,538	31,576
Benefits			
51298 BEN-BENEFIT ALLOCATION	23,475	36,263	12,788
Total Benefits	23,475	36,263	12,788
Operating Supplies & Services			
52101 OPR-POWER & UTILITIES	25,000	15,000	(10,000)
52102 OPR-AUXILIARY POWER EXPENSE	5,000	5,000	-
52103 OPR-CHEMICALS	900	1,500	600
52110 OPR-SMALL TOOLS AND SUPPLIES	200	200	-
52113 OPR-LAB SUPPLIES	11,000	11,000	-
52118 OPR-DISPOSAL SERVICES	27,500	20,000	(7,500)
52120 OPR-UNIFORMS	500	250	(250)
52121 OPR-SAFETY & EMERGENCY EXPENSE	1,000	1,000	-
52124 OPR-EQUIPMENT EXPENSE	250	250	-
52125 OPR-VEHICLE EXPENSE	1,500	1,500	-

52133	OPR-SCADA	37,000	-	(37,000)
52137	OPR-MEMBERSHIPS & PUBLICATIONS	-	150	150
52138	OPR-TRAINING & EDUCATION	-	200	200
	Total Operating Supplies & Services	109,850	56,050	(53,800)
	Professional Services and Fees			
52205	OPR-PROFESSIONAL SERVICES-OTHER	2,000	2,000	-
52217	OPR-INSPECTION FEES	2,000	2,000	-
	Total Professional Services and Fees	4,000	4,000	-
	Office Expenses			
52301	OPR-OFFICE SUPPLIES	500	500	-
52302	OPR-COMPUTER SUPPLIES	3,000	2,300	(700)
52306	OPR-COMMUNICATIONS	3,500	3,500	-
	Total Office Expenses	7,000	6,300	(700)
	Other Operating Expenses			
52420	OPR-INSURANCE EXPENSE	2,500	2,800	300
52430	OPR-MISC EXPENSE	2,640	2,500	(140)
	Total Other Operating Expenses	5,140	5,300	160
	SUBTOTAL OF OPERATIONAL EXPENSES	207,427	197,451	(9,976)
	Structures			
53205	M&R-PUMPS AND MOTORS	69,875	73,500	3,625
	Total Structures	69,875	73,500	3,625
	Other Maintenance & Repairs			
53325	M&R-GENERAL MAINTENANCE	55,000	54,000	(1,000)
	Total Other Maintenance & Repairs	55,000	54,000	(1,000)
	SUBTOTAL OF M&R EXPENSES	124,875	127,500	2,625
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	19,128	29,547	10,419
	Total Administrative & General	19,128	29,547	10,419
	Capital Outlay			
61103	EQUIPMENT	-	60,000	60,000
	Total Capital Outlay	-	60,000	60,000
	TOTAL OPERATING AND M&R EXPENSES	351,430	414,498	63,068
	Net Operating Income	5,365	297	(5,068)
	Net Change in Fund Balance	5,365	297	(5,068)

Cordillera WWTP- Capital Outlay Expense

Description	FY 2019
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Capital Outlay Funded From Current Revenues

Scada/PLC Upgrade with Ignition HMI	\$	60,000
Total Cordillera WWTP Capital Outlay Expense	\$	60,000



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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: \$272,664 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|

Western Canyon Division

Comal Trace Water Distribution System

Operating Plan for Fiscal Year Ending 8/31/19

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 \$262,020 in FY 2019.

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 \$37,150 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.

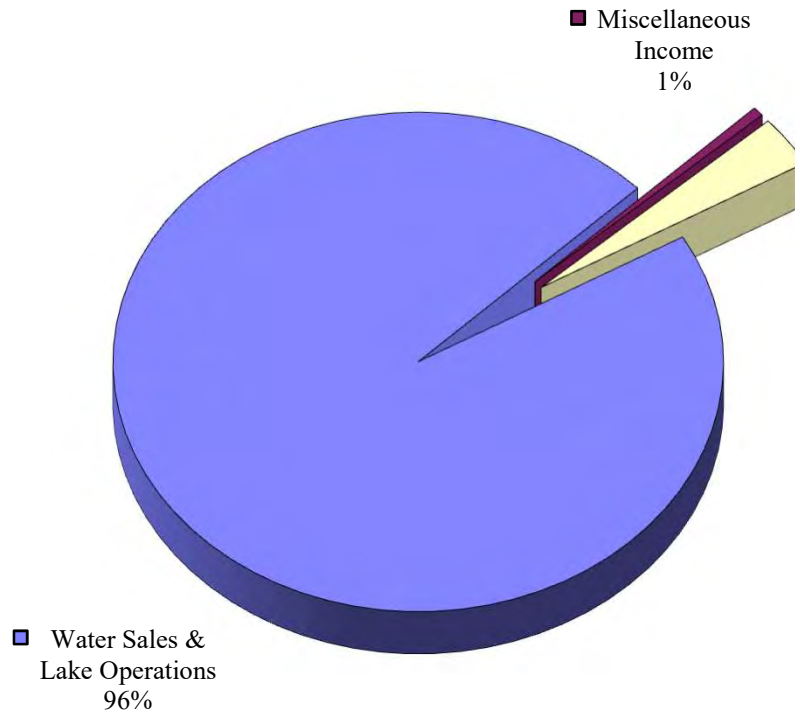
FUND BALANCE

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 2019 is \$57,145.



Budget Summary

REVENUES -Comal Trace WDS

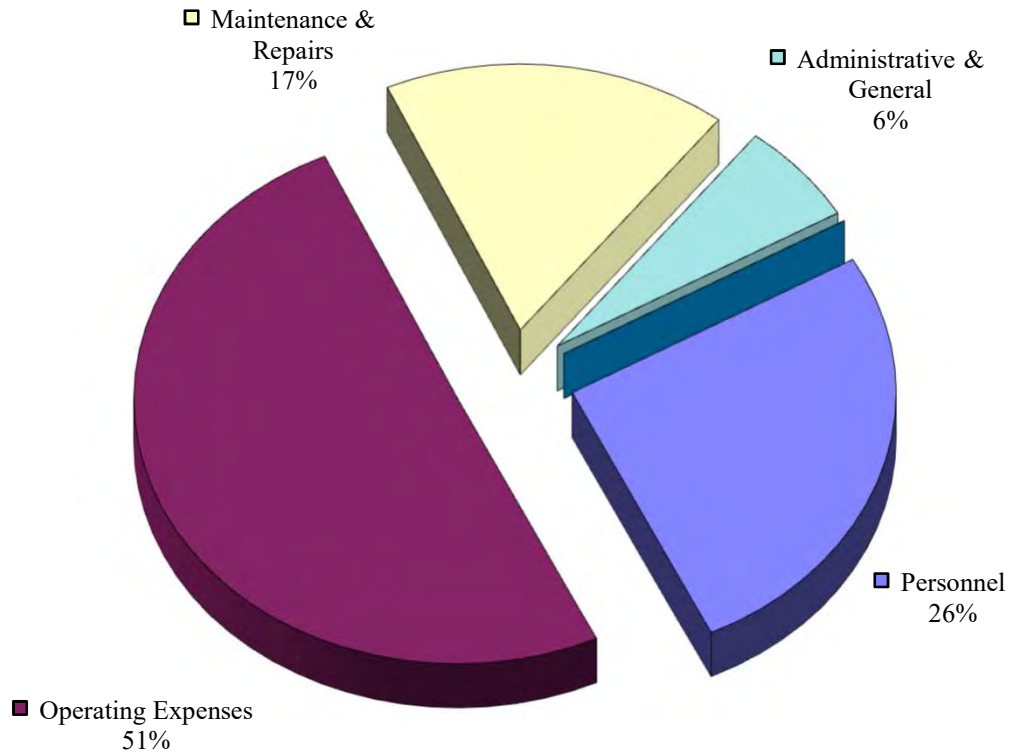


Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations	272,640	262,020	262,020
Recreation & Land Use			
Wastewater Services			
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	6,006	1,644	1,644
Total Operating Revenue	278,646	263,664	263,664
Interest Income	5,542	9,000	9,000
Grand Total Revenues	284,188	272,664	272,664



Budget Summary

EXPENSES - Comal Trace WDS



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel	23,641	39,010	56,620
Operating Expenses	93,138	108,725	108,450
Maintenance & Repairs	20,796	81,150	37,150
Administrative & General	5,553	9,162	13,299
Total Operating Expenses	143,128	238,047	215,519
Interest Expense			
Capital Outlay		12,000	
Debt Service			
Grand Total Expenses	143,128	250,047	215,519

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019**

054 - Comal Trace WDS

OPERATING BUDGET	FY 2018 BUDGET	FY 2019 BUDGET	FY 2019-2018 DIFFERENCE
OPERATING REVENUES			
Retail Water Sales			
42301 WATER SALES	254,520	254,520	-
42310 WATER CONNECTION FEES	7,500	7,500	-
Total Retail Water Sales	262,020	262,020	-
Operating Interest			
44101 INT-OPR CASH ACCOUNTS	-	9,000	9,000
44110 INT-OPR INVESTMENT FUNDS	9,000	-	(9,000)
Total Operating Interest	9,000	9,000	-
Misc Income			
45195 MISCELLANEOUS REVENUES	1,644	1,644	-
Total Misc Income	1,644	1,644	-
Total Operating Revenue	272,664	272,664	-
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	24,859	40,218	15,359
51102 LBR-OVERTIME	2,906	81	(2,825)
Total Salaries	27,765	40,299	12,534
Benefits			
51298 BEN-BENEFIT ALLOCATION	11,245	16,321	5,076
Total Benefits	11,245	16,321	5,076
Operating Supplies & Services			
52101 OPR-POWER & UTILITIES	10,000	10,000	-
52103 OPR-CHEMICALS	300	300	-
52110 OPR-SMALL TOOLS AND SUPPLIES	100	100	-
52113 OPR-LAB SUPPLIES	1,500	1,500	-
52120 OPR-UNIFORMS	500	500	-
52121 OPR-SAFETY & EMERGENCY EXPENSE	650	500	(150)

52124 OPR-EQUIPMENT EXPENSE	200	250	50
52125 OPR-VEHICLE EXPENSE	1,500	1,500	-
52150 OPR-WATER PURCHASES/DELIVERY	85,000	85,000	-
Total Operating Supplies & Services	99,750	99,650	(100)
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	400	-
52302 OPR-COMPUTER SUPPLIES	1,800	1,300	(500)
52306 OPR-COMMUNICATIONS	1,000	1,000	-
Total Office Expenses	3,200	2,700	(500)
Other Operating Expenses			
52420 OPR-INSURANCE EXPENSE	900	1,600	700
52430 OPR-MISC EXPENSE	2,375	2,000	(375)
Total Other Operating Expenses	3,275	3,600	325
SUBTOTAL OF OPERATIONAL EXPENSES	147,735	165,070	17,335
Maintenance and Repair Equipment			
53101 M&R-EQUIPMENT	2,150	2,150	-
53115 M&R-METERS AND PUMPS	10,500	10,000	(500)
Total Maintenance and Repair Equipment	12,650	12,150	(500)
Structures			
53205 M&R-PUMPS AND MOTORS	5,500	5,000	(500)
Total Structures	5,500	5,000	(500)
Other Maintenance & Repairs			
53325 M&R-GENERAL MAINTENANCE	59,000	18,000	(41,000)
53399 M&R-MISC EXPENSE	4,000	2,000	(2,000)
Total Other Maintenance & Repairs	63,000	20,000	(43,000)
SUBTOTAL OF M&R EXPENSES	81,150	37,150	(44,000)
Administrative & General			
54100 ADMINISTRATIVE & GENERAL	9,162	13,299	4,137
Total Administrative & General	9,162	13,299	4,137
Capital Outlay			
61103 EQUIPMENT	12,000	-	(12,000)
Total Capital Outlay	12,000	-	(12,000)

TOTAL OPERATING AND M&R EXPENSES	<u>250,047</u>	<u>215,519</u>	<u>(34,528)</u>
Net Operating Income	<u>22,617</u>	<u>57,145</u>	<u>34,528</u>
Net Change in Fund Balance	<u>22,617</u>	<u>57,145</u>	<u>34,528</u>



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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.

-
- | | |
|----------------------------------------|-------------------------------|
| • Service Provided: Water distribution | • Capacity: 0.8mgd |
| • Location: Bulverde, TX | • Budgeted Revenue: \$845,835 |
| • Startup Operation Date: 2006 | |
| • Service Area: Comal Co., TX | |

Western Canyon Division

Johnson Ranch Water Distribution System

Operating Plan for Fiscal Year Ending 8/31/19

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 900 residential homes sometime in the future. The system also provides potable water to a Comal I.S.D. 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 2019.

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 \$845,835 during FY 2019.

CAPITAL ADDITIONS AND OPERATING EXPENSES

Operating expenses include \$239,000 for interdivisional water purchases and delivery from the Western Canyon Regional Water Supply Project. Another substantive operating cost is \$35,000 for material and services related to maintaining and repairing the system. There are no capital additions planned for FY 2019.

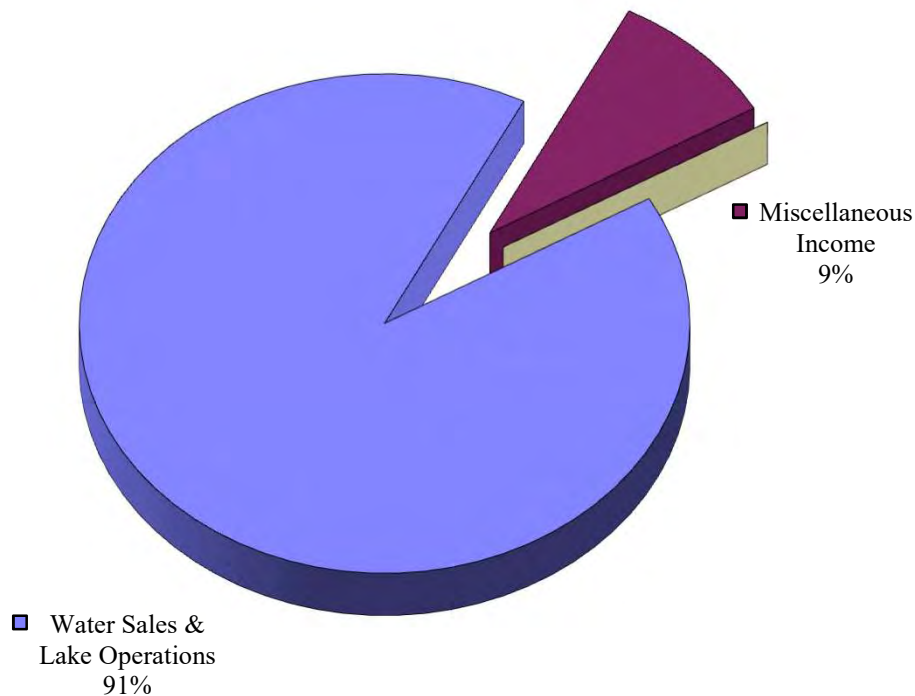
FUND BALANCE

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 \$430,786.



Budget Summary

REVENUES -Johnson Ranch WDS

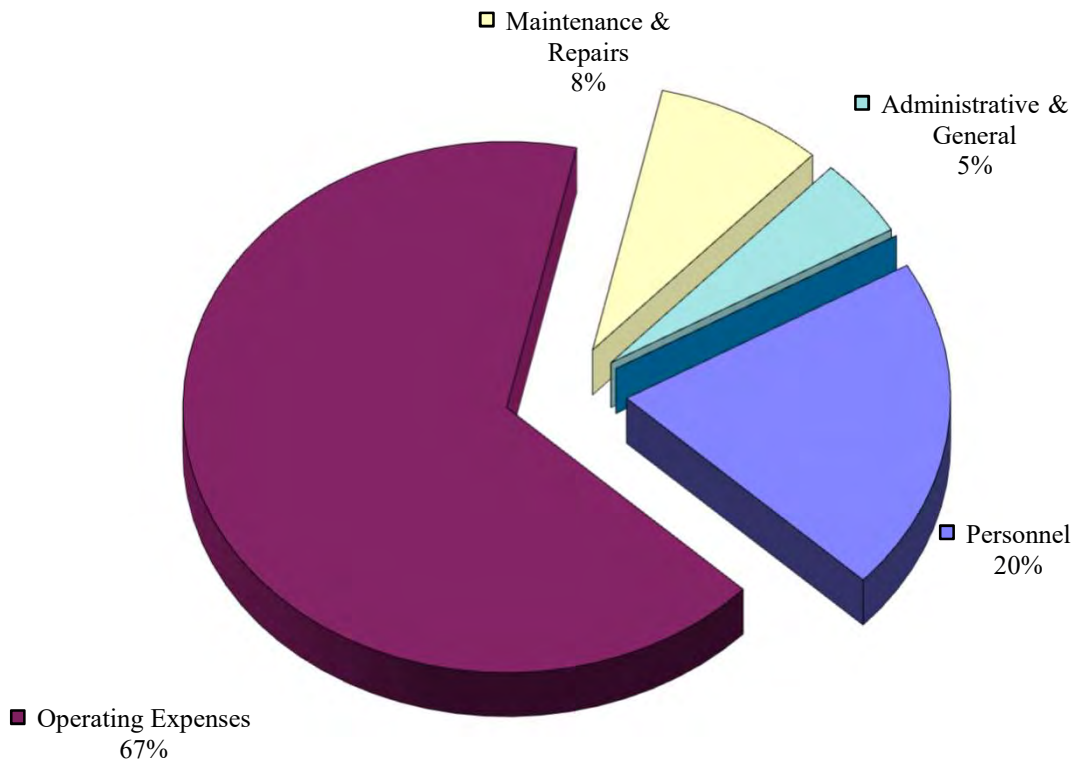


Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations	537,206	372,932	768,600
Recreation & Land Use			
Wastewater Services			
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	141,275	12,000	77,235
Total Operating Revenue	678,481	384,932	845,835
Interest Income			
Grand Total Revenues	678,481	384,932	845,835



Budget Summary

EXPENSES - Johnson Ranch WDS



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel	116,031	94,614	84,259
Operating Expenses	509,555	231,095	276,000
Maintenance & Repairs	25,642	37,000	35,000
Administrative & General	27,253	22,223	19,790
Total Operating Expenses	678,481	384,932	415,049
Interest Expense			
Capital Outlay			
Debt Service			
Grand Total Expenses	678,481	384,932	415,049

Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019

055 - Johnson Ranch WDS

OPERATING BUDGET	FY 2018 BUDGET	FY 2019 BUDGET	FY 2019-2018 DIFFERENCE
OPERATING REVENUES			
Retail Water Sales			
42301 WATER SALES	-	672,600	672,600
42310 WATER CONNECTION FEES	48,000	96,000	48,000
42350 CHARGES TO DEVELOPERS	324,932	-	(324,932)
Total Retail Water Sales	372,932	768,600	395,668
Misc Income			
45195 MISCELLANEOUS REVENUES	12,000	77,235	65,235
Total Misc Income	12,000	77,235	65,235
Total Operating Revenue	384,932	845,835	460,903
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	55,743	56,141	398
51102 LBR-OVERTIME	11,597	3,830	(7,767)
Total Salaries	67,340	59,971	(7,369)
Benefits			
51298 BEN-BENEFIT ALLOCATION	27,274	24,288	(2,986)
Total Benefits	27,274	24,288	(2,986)
Operating Supplies & Services			
52101 OPR-POWER & UTILITIES	1,000	1,000	-
52102 OPR-AUXILIARY POWER EXPENSE	2,000	2,000	-
52103 OPR-CHEMICALS	2,500	2,500	-
52110 OPR-SMALL TOOLS AND SUPPLIES	-	100	100
52113 OPR-LAB SUPPLIES	4,000	4,000	-
52120 OPR-UNIFORMS	500	500	-
52121 OPR-SAFTY & EMERGENCY EXPENSE	500	500	-
52122 OPR-SECURITY EXPENSE	500	500	-
52124 OPR-EQUIPMENT EXPENSE	1,000	1,000	-
52125 OPR-VEHICLE EXPENSE	4,000	4,000	-

52133	OPR-SCADA	2,000	2,000	-
52138	OPR-TRAINING & EDUCATION	-	200	200
52150	OPR-WATER PURCHASES/DELIVERY	195,895	239,000	43,105
	Total Operating Supplies & Services	213,895	257,300	43,405
	Professional Services and Fees			
52205	OPR-PROFESSIONAL SERVICES-OTHER	10,000	10,000	-
52217	OPR-INSPECTION FEES	1,000	1,000	-
	Total Professional Services and Fees	11,000	11,000	-
	Office Expenses			
52301	OPR-OFFICE SUPPLIES	1,000	1,000	-
52302	OPR-COMPUTER SUPPLIES	1,000	1,300	300
52306	OPR-COMMUNICATIONS	1,000	1,000	-
	Total Office Expenses	3,000	3,300	300
	Other Operating Expenses			
52420	OPR-INSURANCE EXPENSE	900	2,400	1,500
52430	OPR-MISC EXPENSE	2,300	2,000	(300)
	Total Other Operating Expenses	3,200	4,400	1,200
	SUBTOTAL OF OPERATIONAL EXPENSES	325,709	360,259	34,550
	Maintenance and Repair Equipment			
53115	M&R-METERS AND PUMPS	11,000	11,000	-
	Total Maintenance and Repair Equipment	11,000	11,000	-
	Structures			
53205	M&R-PUMPS AND MOTORS	4,000	4,000	-
	Total Structures	4,000	4,000	-
	Other Maintenance & Repairs			
53325	M&R-GENERAL MAINTENANCE	22,000	20,000	(2,000)
	Total Other Maintenance & Repairs	22,000	20,000	(2,000)
	SUBTOTAL OF M&R EXPENSES	37,000	35,000	(2,000)
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	22,223	19,790	(2,433)
	Total Administrative & General	22,223	19,790	(2,433)
	TOTAL OPERATING AND M&R EXPENSES	384,932	415,049	30,117
	Net Operating Income	-	430,786	430,786
	Net Change in Fund Balance	-	430,786	430,786



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.

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <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: 0.115mgd• Budgeted Revenue: \$448,800 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|

Western Canyon Division
Johnson Ranch Wastewater Treatment Plant System
Operating Plan for Fiscal Year Ending 8/31/19

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 900 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. This facility is expected to be in operation by the second quarter of FY 2019.

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 \$448,800 during FY 2019 which is 52.7% or \$154,958 more than the FY 2018 service fee budget. This significant increase is the result of the rapid development taking place within the Johnson Ranch System.

CAPITAL ADDITIONS AND OPERATING EXPENSES

The principal operating expenses for FY 2019 are personnel costs in the amount of \$122,288. Other significant operating costs include \$15,000 for lab supplies and \$76,000 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 2019.

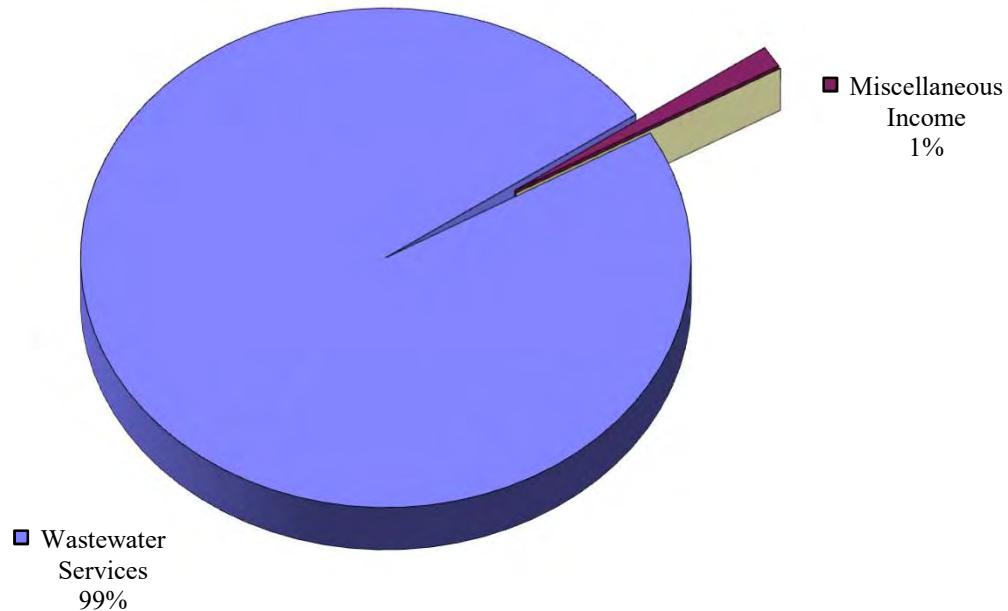
FUND BALANCE

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 \$121,889.



Budget Summary

REVENUES -Johnson Ranch WWTP

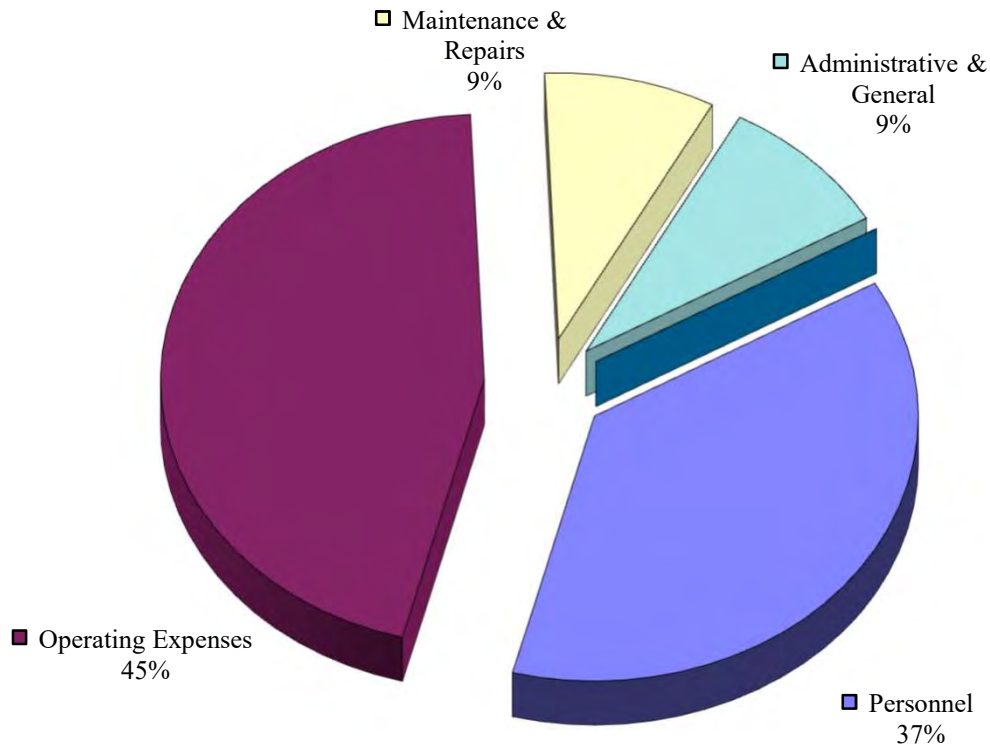


Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services	190,370	287,842	442,600
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	58,402	6,000	6,200
Total Operating Revenue	248,772	293,842	448,800
Interest Income			
Grand Total Revenues	248,772	293,842	448,800



Budget Summary

EXPENSES - Johnson Ranch WWTP



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel	102,804	113,912	122,288
Operating Expenses	109,102	131,175	147,900
Maintenance & Repairs	12,720	22,000	28,000
Administrative & General	24,146	26,755	28,723
Total Operating Expenses	248,772	293,842	326,911
Interest Expense			
Capital Outlay			
Debt Service			
Grand Total Expenses	248,772	293,842	326,911

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019**

056 - Johnson Ranch WWTP

	FY 2018	FY 2019	FY 2019-2018
OPERATING BUDGET	BUDGET	BUDGET	DIFFERENCE
OPERATING REVENUES			
Retail Wastewater			
42401 WASTEWATER SERVICES	-	318,600	318,600
42402 SEWER CONNECTION/INSP FEES	77,500	124,000	46,500
42450 CHARGES TO DEVELOPERS	210,342	-	(210,342)
Total Retail Wastewater	287,842	442,600	154,758
Misc Income			
45195 MISCELLANEOUS REVENUES	6,000	6,200	200
Total Misc Income	6,000	6,200	200
Total Operating Revenue	293,842	448,800	154,958
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	66,651	79,756	13,105
51102 LBR-OVERTIME	14,425	7,282	(7,143)
Total Salaries	81,076	87,038	5,962
Benefits			
51298 BEN-BENEFIT ALLOCATION	32,836	35,250	2,414
Total Benefits	32,836	35,250	2,414
Operating Supplies & Services			
52101 OPR-POWER & UTILITIES	1,000	1,000	-
52102 OPR-AUXILIARY POWER EXPENSE	3,000	2,500	(500)
52103 OPR-CHEMICALS	11,000	13,500	2,500
52110 OPR-SMALL TOOLS AND SUPPLIES	500	400	(100)
52113 OPR-LAB SUPPLIES	15,000	15,000	-
52118 OPR-DISPOSAL SERVICES	61,000	76,000	15,000
52120 OPR-UNIFORMS	500	-	(500)
52121 OPR-SAFETY & EMERGENCY EXPENSE	2,450	1,500	(950)
52122 OPR-SECURITY EXPENSE	100	100	-
52125 OPR-VEHICLE EXPENSE	1,500	2,000	500

52133	OPR-SCADA	2,500	2,000	(500)
52137	OPR-MEMBERSHIPS & PUBLICATIONS	-	100	100
52138	OPR-TRAINING & EDUCATION	-	200	200
52140	OPR-TRAVEL	300	200	(100)
	Total Operating Supplies & Services	98,850	114,500	15,650
	Professional Services and Fees			
52205	OPR-PROFESSIONAL SERVICES-OTHER	25,000	25,000	-
	Total Professional Services and Fees	25,000	25,000	-
	Office Expenses			
52301	OPR-OFFICE SUPPLIES	1,500	1,000	(500)
52302	OPR-COMPUTER SUPPLIES	1,000	2,400	1,400
52306	OPR-COMMUNICATIONS	1,000	1,000	-
	Total Office Expenses	3,500	4,400	900
	Other Operating Expenses			
52420	OPR-INSURANCE EXPENSE	700	1,000	300
52430	OPR-MISC EXPENSE	3,125	3,000	(125)
	Total Other Operating Expenses	3,825	4,000	175
	SUBTOTAL OF OPERATIONAL EXPENSES	245,087	270,188	25,101
	Structures			
53205	M&R-PUMPS AND MOTORS	4,000	4,000	-
53215	M&R-LIFTSTATIONS	-	1,000	1,000
	Total Structures	4,000	5,000	1,000
	Other Maintenance & Repairs			
53325	M&R-GENERAL MAINTENANCE	18,000	23,000	5,000
	Total Other Maintenance & Repairs	18,000	23,000	5,000
	SUBTOTAL OF M&R EXPENSES	22,000	28,000	6,000
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	26,755	28,723	1,968
	Total Administrative & General	26,755	28,723	1,968
	TOTAL OPERATING AND M&R EXPENSES	293,842	326,911	33,069
	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.

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- | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none">• Service Provided: Wastewater treatment and collection• Location: Bulverde, TX• Startup Operation Date: 2015 | <ul style="list-style-type: none">• Service Area: Comal Co., TX• Capacity: 0.048 mgd• Budgeted Revenue: \$262,796 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|

Western Canyon Division
Singing Hills Wastewater Treatment Plant System
Operating Plan for Fiscal Year Ending 8/31/19

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 begun 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 will collect the connection and service fees on behalf of the City, through an agreement with Canyon Lake Water Supply Corporation. The City will make monthly payments to GBRA in the amount of one-twelfth of the FY 2019 budgeted expenses explicated herein. In total, revenue for FY 2019 is budgeted at \$186,468.

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 \$72,168. Other significant operating costs include total chemical expenses at \$14,200, laboratory supplies at \$15,000, and biosolids disposal at \$17,000. There are no capital expenses for FY 2019.

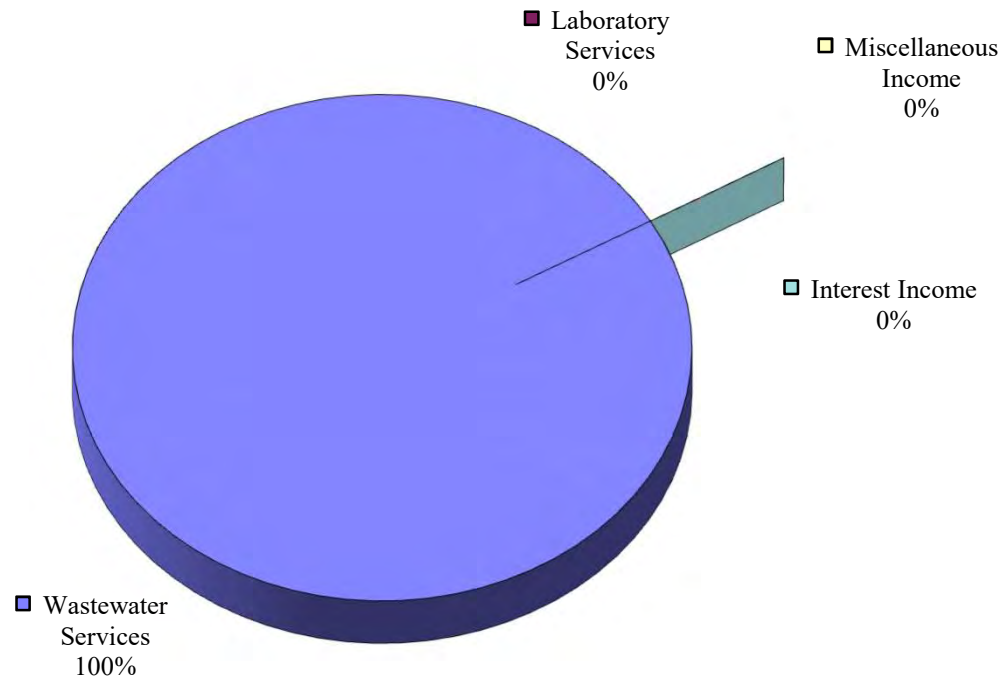
FUND BALANCE

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 WWS

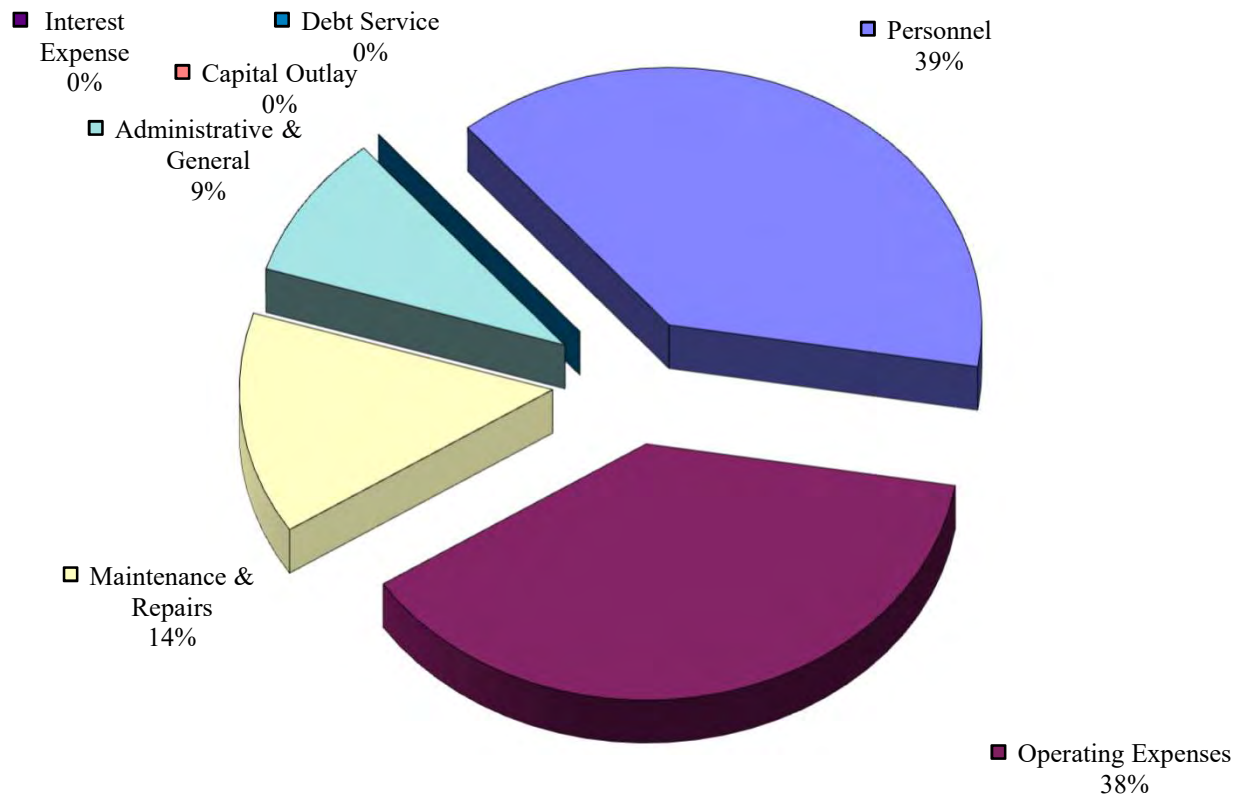


Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services	156,309	182,476	186,468
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	79		
Total Operating Revenue	156,388	182,476	186,468
Interest Income			
Grand Total Revenues	156,388	182,476	186,468



Budget Summary

EXPENSES - Bulverde Singing Hills WWRS



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel	80,412	63,975	72,168
Operating Expenses	46,479	82,475	71,350
Maintenance & Repairs	8,153	21,000	26,000
Administrative & General	18,887	15,026	16,950
Total Operating Expenses	153,931	182,476	186,468
Interest Expense			
Capital Outlay			
Debt Service			
Grand Total Expenses	153,931	182,476	186,468

Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019

057 - Bulverde Singing Hills WWRS

	FY 2018	FY 2019	FY 2019-2018
OPERATING BUDGET	BUDGET	BUDGET	DIFFERENCE
OPERATING REVENUES			
Wastewater Treatment			
41201 WW-OPR & MAINTENANCE	182,476	186,468	3,992
Total Wastewater Treatment	182,476	186,468	3,992
Total Operating Revenue	182,476	186,468	3,992
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	41,215	51,271	10,056
51102 LBR-OVERTIME	4,318	94	(4,224)
Total Salaries	45,533	51,365	5,832
Benefits			
51298 BEN-BENEFIT ALLOCATION	18,442	20,803	2,361
Total Benefits	18,442	20,803	2,361
Operating Supplies & Services			
52102 OPR-AUXILIARY POWER EXPENSE	1,500	2,500	1,000
52103 OPR-CHEMICALS	13,300	14,200	900
52110 OPR-SMALL TOOLS AND SUPPLIES	500	500	-
52113 OPR-LAB SUPPLIES	15,000	15,000	-
52118 OPR-DISPOSAL SERVICES	16,000	17,000	1,000
52120 OPR-UNIFORMS	500	300	(200)
52121 OPR-SAFTY & EMERGENCY EXPENSE	1,500	1,500	-
52122 OPR-SECURITY EXPENSE	250	250	-
52124 OPR-EQUIPMENT EXPENSE	500	500	-
52125 OPR-VEHICLE EXPENSE	1,500	1,000	(500)
52133 OPR-SCADA	2,500	2,500	-
52137 OPR-MEMBERSHIPS & PUBLICATIONS	-	100	100
52138 OPR-TRAINING & EDUCATION	-	200	200
52140 OPR-TRAVEL	300	200	(100)
Total Operating Supplies & Services	53,350	55,750	2,400

	FY 2018 BUDGET	FY 2019 BUDGET	FY 2019-2018 DIFFERENCE
OPERATING BUDGET			
Professional Services and Fees			
52205 OPR-PROFESSIONAL SERVICES-OTHER	15,000	10,000	(5,000)
52216 OPR-REGULATORY FEES	8,000	-	(8,000)
Total Professional Services and Fees	23,000	10,000	(13,000)
Office Expenses			
52301 OPR-OFFICE SUPPLIES	1,000	1,000	-
52302 OPR-COMPUTER SUPPLIES	500	100	(400)
52306 OPR-COMMUNICATIONS	500	500	-
Total Office Expenses	2,000	1,600	(400)
Other Operating Expenses			
52420 OPR-INSURANCE EXPENSE	1,000	1,000	-
52430 OPR-MISC EXPENSE	3,125	3,000	(125)
Total Other Operating Expenses	4,125	4,000	(125)
SUBTOTAL OF OPERATIONAL EXPENSES	146,450	143,518	(2,932)
Maintenance and Repair Equipment			
53101 M&R-EQUIPMENT	5,000	2,000	(3,000)
Total Maintenance and Repair Equipment	5,000	2,000	(3,000)
Structures			
53205 M&R-PUMPS AND MOTORS	2,000	5,000	3,000
Total Structures	2,000	5,000	3,000
Other Maintenance & Repairs			
53325 M&R-GENERAL MAINTENANCE	14,000	19,000	5,000
Total Other Maintenance & Repairs	14,000	19,000	5,000
SUBTOTAL OF M&R EXPENSES	21,000	26,000	5,000
Administrative & General			
54100 ADMINISTRATIVE & GENERAL	15,026	16,950	1,924
Total Administrative & General	15,026	16,950	1,924
TOTAL OPERATING AND M&R EXPENSES	182,476	186,468	3,992
Net Operating Income	-	-	-
Net Change in Fund Balance	-	-	-



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: \$226,221 |

Western Canyon Division

Park Village Wastewater Reclamation System

Operating Plan for Fiscal Year Ending 8/31/19

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 2019.

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. Three operators will divide their time between the Cordillera Ranch, Johnson Ranch, Comal Trace, Bulverde Singing Hills Wastewater Reclamation System, 4S Ranch and Park Village operations. The Division Manager for Comal/Kendall Counties provides overall supervision of the system. GBRA’s budget forecast includes all payroll and benefits expenses.

CAPITAL ADDITIONS AND OPERATING EXPENSES

The contract between the Comal County WCID No. 6 District and GBRA provides that GBRA operate the plant and associated facilities following their 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. During the first two quarters of FY 2019, revenue only includes a reimbursement from the District in the amount of “pump and haul” costs to truck household wastes to a nearby wastewater plant until such time as the Park Village plant is complete. Customer billings are expected to commence during the second quarter of FY 2019 with the completion and commissioning of the Park Village Wastewater Treatment Plant. The contract 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 will not over-recover nor under-recover the cost of operating the plant.

The budgeted FY 2019 service revenue for the Park Village Wastewater System is \$226,221.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

The combined capital additions and operating expenditure budget for FY 2019 amounts to \$226,221.

Significant operating and maintenance expenses for FY 2019 include \$10,000 for power to operate the wastewater plant following startup, laboratory supplies and expenses in the amount of \$15,000, and biosolids disposal costs in the amount of \$40,500.

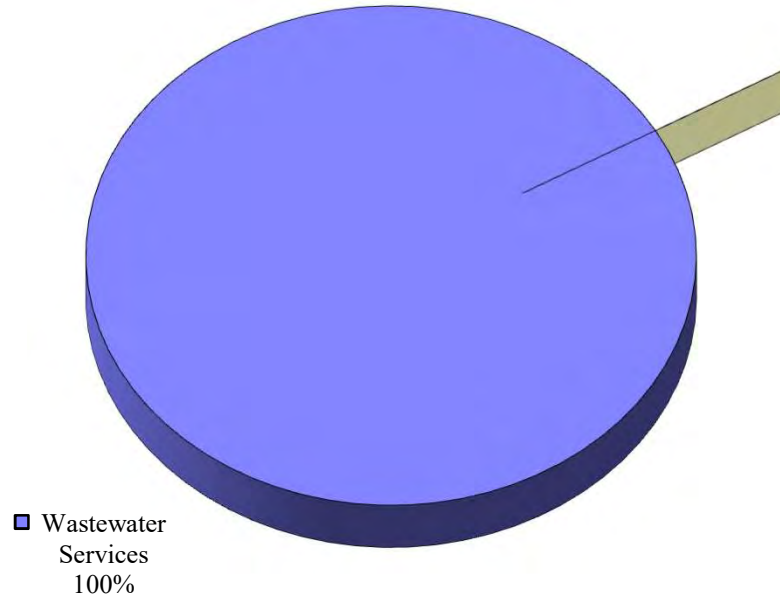
FUND BALANCE

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

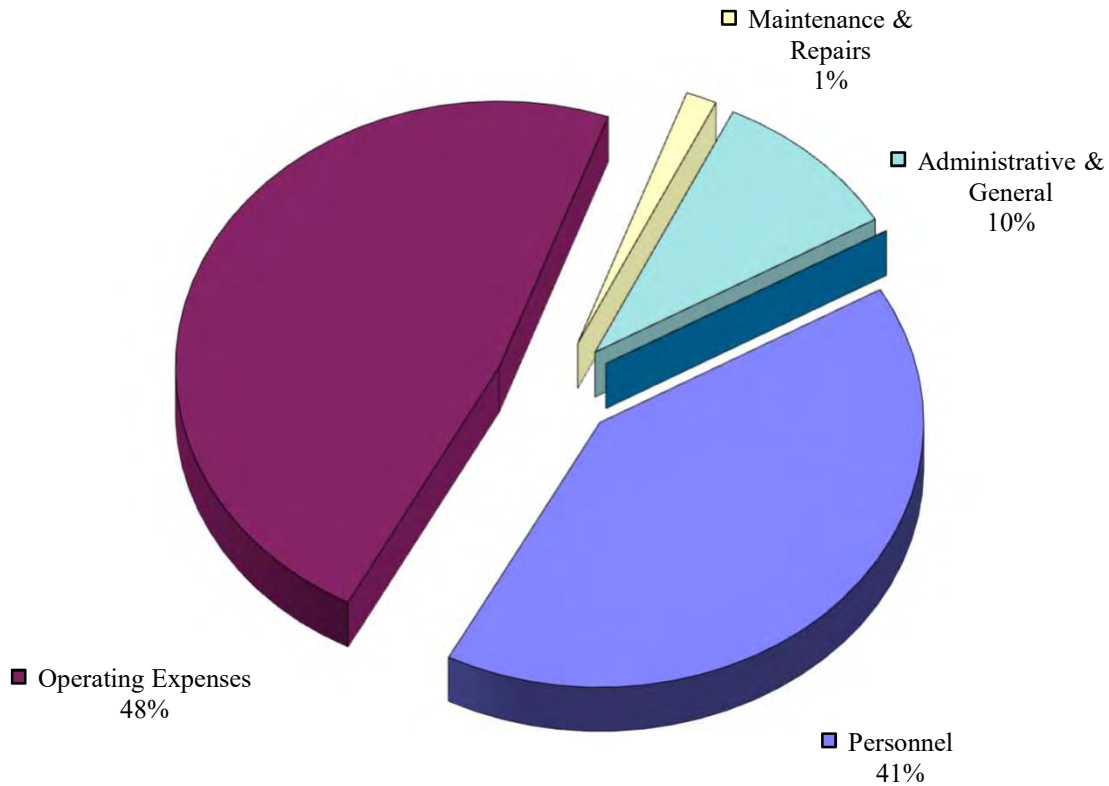


Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services		52,000	226,221
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income		129,457	
Total Operating Revenue		181,457	226,221
Interest Income			
Grand Total Revenues	0	181,457	226,221



Budget Summary

EXPENSES - Park Village WWRS



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel		83,334	92,901
Operating Expenses		78,550	108,000
Maintenance & Repairs			3,500
Administrative & General		19,573	21,820
Total Operating Expenses		181,457	226,221
Interest Expense			
Capital Outlay	46,774		
Debt Service			
Grand Total Expenses	46,774	181,457	226,221

Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019

058 - Park Village WWRS

OPERATING BUDGET		FY 2018 BUDGET	FY 2019 BUDGET	FY 2019-2018 DIFFERENCE
OPERATING REVENUES				
Retail Water Sales				
42350	CHARGES TO DEVELOPERS	52,000	171,721	119,721
	Total Retail Water Sales	52,000	171,721	119,721
Retail Wastewater				
42401	WASTEWATER SERVICES	-	27,000	27,000
42402	SEWER CONNECTION/INSP FEES	-	27,500	27,500
	Total Retail Wastewater	-	54,500	54,500
	Total Operating Revenue	52,000	226,221	174,221
OPERATING EXPENSES				
Salaries				
51101	LBR-REGULAR WAGES	48,625	55,588	6,963
51102	LBR-OVERTIME	10,687	10,534	(153)
	Total Salaries	59,312	66,122	6,810
Benefits				
51298	BEN-BENEFIT ALLOCATION	24,022	26,779	2,757
	Total Benefits	24,022	26,779	2,757
Operating Supplies & Services				
52101	OPR-POWER & UTILITIES	-	10,000	10,000
52102	OPR-AUXILIARY POWER EXPENSE	-	2,000	2,000
52103	OPR-CHEMICALS	100	5,600	5,500
52110	OPR-SMALL TOOLS AND SUPPLIES	200	1,000	800
52113	OPR-LAB SUPPLIES	-	15,000	15,000
52118	OPR-DISPOSAL SERVICES	52,000	40,500	(11,500)
52120	OPR-UNIFORMS	100	200	100
52121	OPR-SAFTY & EMERGENCY EXPENSE	-	1,000	1,000
52122	OPR-SECURITY EXPENSE	-	100	100
52125	OPR-VEHICLE EXPENSE	500	1,000	500
52133	OPR-SCADA	-	500	500

52137	OPR-MEMBERSHIPS & PUBLICATIONS	-	200	200
52138	OPR-TRAINING & EDUCATION	-	200	200
52140	OPR-TRAVEL	-	100	100
	Total Operating Supplies & Services	52,900	77,400	24,500
	Professional Services and Fees			
52205	OPR-PROFESSIONAL SERVICES-OTHER	24,150	25,000	850
	Total Professional Services and Fees	24,150	25,000	850
	Office Expenses			
52301	OPR-OFFICE SUPPLIES	-	1,000	1,000
52302	OPR-COMPUTER SUPPLIES	-	1,100	1,100
52306	OPR-COMMUNICATIONS	-	1,000	1,000
	Total Office Expenses	-	3,100	3,100
	Other Operating Expenses			
52420	OPR-INSURANCE EXPENSE	-	1,000	1,000
52430	OPR-MISC EXPENSE	1,500	1,500	-
	Total Other Operating Expenses	1,500	2,500	1,000
	SUBTOTAL OF OPERATIONAL EXPENSES	161,884	200,901	39,017
	Structures			
53205	M&R-PUMPS AND MOTORS	-	500	500
	Total Structures	-	500	500
	Other Maintenance & Repairs			
53325	M&R-GENERAL MAINTENANCE	-	3,000	3,000
	Total Other Maintenance & Repairs	-	3,000	3,000
	SUBTOTAL OF M&R EXPENSES	-	3,500	3,500
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	19,573	21,820	2,247
	Total Administrative & General	19,573	21,820	2,247
	TOTAL OPERATING AND M&R EXPENSES	181,457	226,221	44,764
	Net Operating Income	(129,457)	-	129,457

DEBT SERVICE BUDGET

	Internal Loan Revenue			
24201	I/F LOAN-GENERAL	129,457	-	(129,457)

Total Internal Loan Revenue	<u>129,457</u>	<u>-</u>	<u>(129,457)</u>
Total Debt Revenue	<u>129,457</u>	<u>-</u>	<u>(129,457)</u>
Net Change in Debt Service Budget	<u>129,457</u>	<u>-</u>	<u>(129,457)</u>
Net Change in Fund Balance	<u>-</u>	<u>-</u>	<u>-</u>



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.

-
- | | |
|-------------------------------------------|-------------------------------------------|
| • Service Provided: Water treatment | • Capacity: 6 mgd |
| • Location: Port Lavaca, TX | • # of Current Employees: 8 |
| • Startup Operation Date: 1970 | • Budgeted Operating Revenue: \$1,639,799 |
| • Principal Customer: City of Port Lavaca | • Expanded: 1993 |

Port Lavaca Water Treatment Plant Division Operating Plan for Fiscal Year Ending 8/31/19

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 1993 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 contract 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 FY 2019. 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 2019 revenue is budgeted at \$1,639,799 which is a \$31,414 or 1.9% decrease 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 18.5¢ 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 is budgeted at \$146,000 based on costs incurred in prior years. Powdered activated carbon and/or potassium permanganate is used from time to time to control taste and odor and to further enhance palatability of the finished water. Operating chemicals including copper sulfate are budgeted at \$30,000 to control algae in the raw water supply; however, potassium permanganate may be substituted as necessary when the use of copper is discouraged due to its potential as a contributor to background copper for wastewater discharges. The GBRA Laboratory in Seguin performs bacteriological testing of the finished water. The total operating expenditure budget for FY 2019 amounts to \$1,639,799.

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 2019 is \$0.



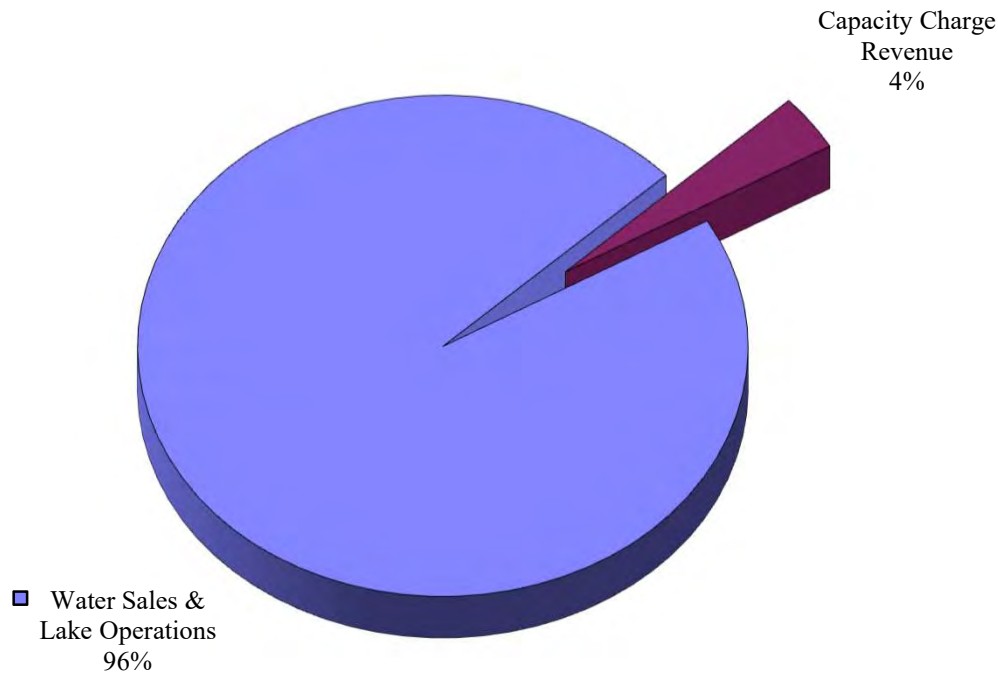
Port Lavaca WTP	# of Authorized Positions (FTE)		
	2017	2018	2019
Chief Operator	1	1	1
Electrical/Instrumentation Technician	1	1	1
Secretary	1	1	1
Maintenance Chief	1	1	1
Operator	4	4	4
Total	8	8	8

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



Budget Summary

REVENUES - Port Lavaca WTP

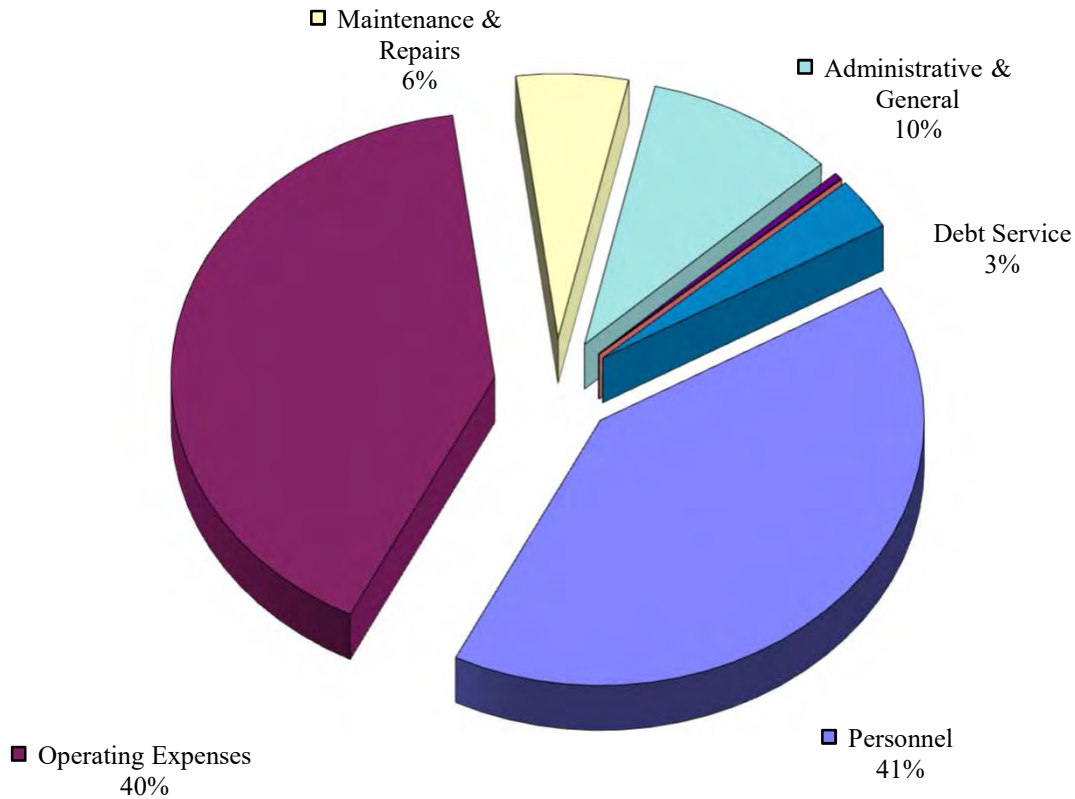


Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations	1,501,347	1,671,213	1,639,799
Recreation & Land Use			
Wastewater Services			
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	1,959		
Total Operating Revenue	1,503,306	1,671,213	1,639,799
Interest Income	289		
Capacity Charge Revenue	61,288	61,288	61,288
Grand Total Revenues	1,564,883	1,732,501	1,701,087



Budget Summary

EXPENSES - Port Lavaca WTP



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel	559,681	606,276	692,311
Operating Expenses	567,215	666,335	689,772
Maintenance & Repairs	246,065	95,109	95,109
Administrative & General	130,341	142,400	162,607
Total Operating Expenses	1,503,302	1,510,120	1,639,799
Interest Expense	11,313	9,248	7,098
Capital Outlay	15,279	161,093	
Debt Service	49,975	52,040	54,190
Grand Total Expenses	1,579,869	1,732,501	1,701,087

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019**

060 - Port Lavaca WTP

OPERATING BUDGET	FY 2018 BUDGET	FY 2019 BUDGET	FY 2019-2018 DIFFERENCE
OPERATING REVENUES			
Water Treatment			
41110 PL-RAW WATER DELIVERY	96,296	101,798	5,502
41111 PL-PLANT O&M INCOME	847,160	893,115	45,955
41112 PL-PLANT A&G INCOME	97,498	108,319	10,821
41113 PL-ADD TO PLANT & EQUIP	104,991	-	(104,991)
41115 POC-RAW WATER PURCHASES	17,588	18,592	1,004
41116 POC-PLANT O&M INCOME	228,439	284,246	55,807
41117 POC-PLANT A&G INCOME	26,289	34,624	8,335
41118 POC-ADD TO PLANT & EQUIP	34,129	-	(34,129)
41125 RW-RAW WATER PURCHASE	16,504	17,447	943
41126 RW-WATER TREATMENT	161,733	161,994	261
41127 RW-PLANT A&G INCOME	18,613	19,664	1,051
41128 RW-PLANT ADD TO PLANT & EQUIP	21,973	-	(21,973)
Total Water Treatment	1,671,213	1,639,799	(31,414)
Total Operating Revenue	1,671,213	1,639,799	(31,414)
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	396,987	455,363	58,376
51102 LBR-OVERTIME	34,526	37,385	2,859
Total Salaries	431,513	492,748	61,235
Benefits			
51298 BEN-BENEFIT ALLOCATION	174,763	199,563	24,800
Total Benefits	174,763	199,563	24,800
Operating Supplies & Services			
52101 OPR-POWER & UTILITIES	112,080	112,080	-
52103 OPR-CHEMICALS	221,775	226,775	5,000
52110 OPR-SMALL TOOLS AND SUPPLIES	960	960	-
52113 OPR-LAB SUPPLIES	35,000	35,000	-
52120 OPR-UNIFORMS	4,300	4,300	-

52121	OPR-SAFETY & EMERGENCY EXPENSE	4,000	4,000	-
52122	OPR-SECURITY EXPENSE	2,760	2,760	-
52124	OPR-EQUIPMENT EXPENSE	3,900	5,764	1,864
52125	OPR-VEHICLE EXPENSE	5,340	5,340	-
52126	OPR-FLEET LEASE EXPENSE	-	5,400	5,400
52135	OPR-PROCESS/SPECIAL OPERATING	1,440	1,440	-
52137	OPR-MEMBERSHIPS & PUBLICATIONS	1,068	1,080	12
52138	OPR-TRAINING & EDUCATION	4,496	4,496	-
52140	OPR-TRAVEL	4,000	4,000	-
52145	OPR-CONTRACT LABOR	20,000	25,000	5,000
52150	OPR-WATER PURCHASES/DELIVERY	130,388	137,837	7,449
	Total Operating Supplies & Services	551,507	576,232	24,725
Professional Services and Fees				
52205	OPR-PROFESSIONAL SERVICES-OTHER	6,000	6,000	-
52217	OPR-INSPECTION FEES	360	360	-
	Total Professional Services and Fees	6,360	6,360	-
Office Expenses				
52301	OPR-OFFICE SUPPLIES	4,600	4,600	-
52302	OPR-COMPUTER SUPPLIES	7,476	7,150	(326)
52306	OPR-COMMUNICATIONS	3,900	3,900	-
52322	OPR-MEDIA EXPENSE	1,080	1,068	(12)
	Total Office Expenses	17,056	16,718	(338)
Other Operating Expenses				
52403	OPR-BUILDING RENTAL	2,112	2,112	-
52420	OPR-INSURANCE EXPENSE	86,900	78,800	(8,100)
52430	OPR-MISC EXPENSE	2,400	9,550	7,150
	Total Other Operating Expenses	91,412	90,462	(950)
	SUBTOTAL OF OPERATIONAL EXPENSES	1,272,611	1,382,083	109,472
Maintenance and Repair Equipment				
53101	M&R-EQUIPMENT	35,236	35,236	-
53105	M&R-GENERATORS	3,780	3,780	-
53110	M&R-CONTROL SYSTEMS	6,480	6,480	-
53115	M&R-METERS AND PUMPS	2,160	2,160	-
	Total Maintenance and Repair Equipment	47,656	47,656	-
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	-
53210	M&R-GATES AND VALVES	2,820	2,820	-
53238	M&R-FILTERS	5,964	5,964	-
	Total Structures	38,964	38,964	-

Other Maintenance & Repairs				
53320	M&R-PONDS AND LAGOONS	5,009	5,009	-
53399	M&R-MISC EXPENSE	3,480	3,480	-
Total Other Maintenance & Repairs		8,489	8,489	-
SUBTOTAL OF M&R EXPENSES		95,109	95,109	-
Administrative & General				
54100	ADMINISTRATIVE & GENERAL	142,400	162,607	20,207
Total Administrative & General		142,400	162,607	20,207
Transfers				
61505	TRANSFER TO PROJECT FUND	161,093	-	(161,093)
Total Transfers		161,093	-	(161,093)
TOTAL OPERATING AND M&R EXPENSES		1,671,213	1,639,799	(31,414)
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	2008 CLEARWELL, Frost	52,040	54,190	2,150
Total Principal Payments Expense		52,040	54,190	2,150
Interest Expense				
57102	INT-CLEARWELL, Frost	9,248	7,098	(2,150)
Total Interest Expense		9,248	7,098	(2,150)
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 gal• # of Current Employees: 5• Budgeted Revenue: \$1,609,087
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Calhoun County Rural Water Supply Division

Operating Plan for Fiscal Year Ending 8/31/19

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 2019. 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 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. Management and staff meet quarterly with the Rural Water Corporation's Board of Directors to discuss operations and projects and to review the work plan, budget, and rates. The Directors are elected by the membership (customers) to provide feedback to GBRA Management on Division activities.

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 2019 water sales revenue budget is estimated at \$1,474,787 based on the 1,512 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 \$48.00 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 2019 are as follows:

Monthly Minimum	\$48.00 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 2019. The addition of 24 new connections is again forecast for the system during FY 2019 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 2019 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, \$28,750 for office expenses, \$9,270 for right-of-way rentals, and \$24,000 for operation of the Crestview wastewater system.

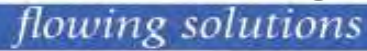
The most significant maintenance items are water lines, meters, and meter boxes at an estimated cost of \$55,745 for materials and services. A significant capital expenditure of \$275,000 for meter replacements is also included in this budget.

Interdivision water purchases for FY 2019 are budgeted at \$235,257. 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 2019.

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 reduction in fund balance after accounting for all budgeted sources of funds from customers and all uses of those funds for FY 2019 will be \$22,685. Therefore, \$25,000 of previously accumulated funds that are currently held in the division's financial reserves will be used to cover this operational deficit.



Staffing Summary

Rural Water Distribution	# of Authorized Positions (FTE)		
	2017	2018	2019
Chief Operator	1	1	1
Maintenance Operator	3	3	3
Customer Service Assistant	1	1	1
Total	5	5	5

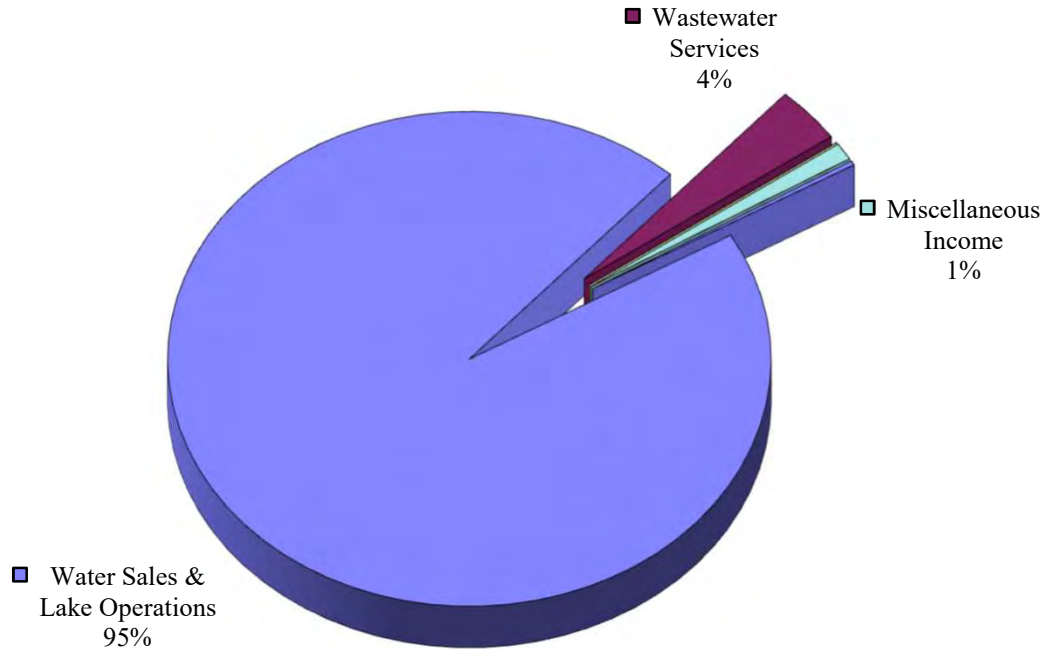
Changes from FY 2017 to FY 2018
No staffing changes for this division.

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



Budget Summary

REVENUES - Rural Water

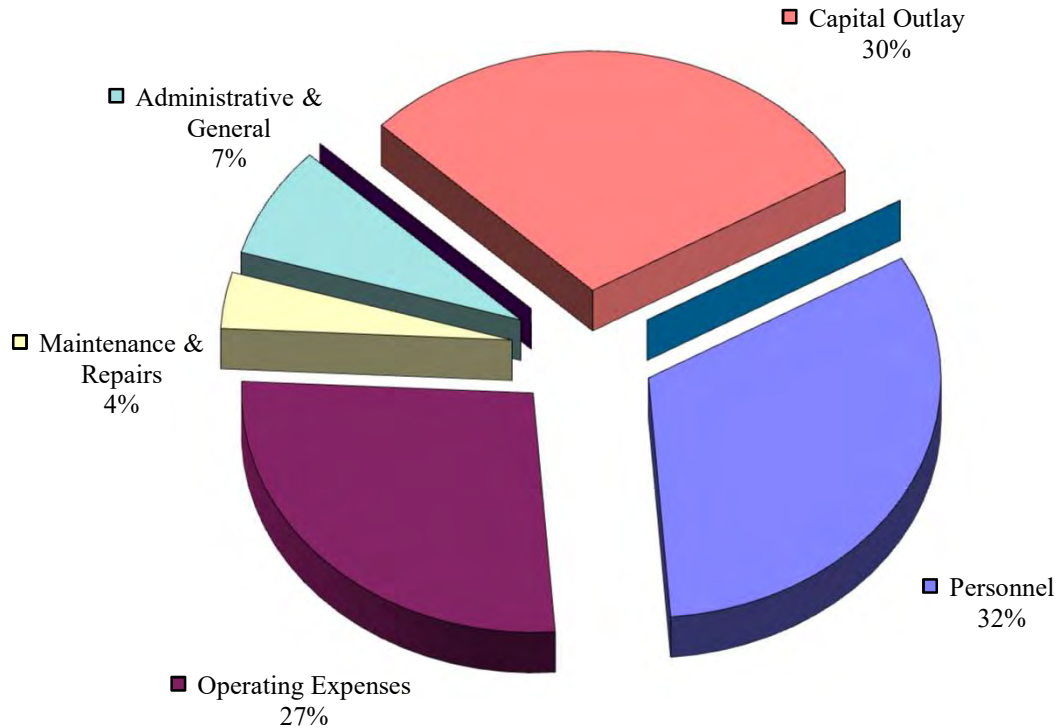


Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations	1,017,421	1,390,592	1,527,587
Recreation & Land Use			
Wastewater Services	53,700	59,000	59,000
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	106,708	18,000	18,000
Total Operating Revenue	1,177,829	1,467,592	1,604,587
Interest Income		4,500	4,500
Grand Total Revenues	1,177,829	1,472,092	1,609,087



Budget Summary

EXPENSES - Rural Water



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel	444,631	515,503	516,152
Operating Expenses	417,583	455,020	433,529
Maintenance & Repairs	88,904	53,630	60,860
Administrative & General	103,402	121,079	121,231
Total Operating Expenses	1,054,520	1,145,232	1,131,772
Interest Expense			
Capital Outlay	13,820	326,200	475,000
Debt Service			
Grand Total Expenses	1,068,340	1,471,432	1,606,772

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019**

070 - Rural Water

OPERATING BUDGET	FY 2018 BUDGET	FY 2019 BUDGET	FY 2019-2018 DIFFERENCE
OPERATING REVENUES			
Retail Water Sales			
42301 WATER SALES	1,337,792	1,474,787	136,995
42310 WATER CONNECTION FEES	24,000	24,000	-
42320 WATER MEMBERSHIP FEES	28,800	28,800	-
Total Retail Water Sales	1,390,592	1,527,587	136,995
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	4,500	-
Total Operating Interest	4,500	4,500	-
Misc Income			
45195 MISCELLANEOUS REVENUES	18,000	18,000	-
Total Misc Income	18,000	18,000	-
Total Operating Revenue	1,472,092	1,609,087	136,995
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	339,612	339,440	(172)
51102 LBR-OVERTIME	27,294	27,928	634
Total Salaries	366,906	367,368	462
Benefits			
51298 BEN-BENEFIT ALLOCATION	148,597	148,784	187
Total Benefits	148,597	148,784	187
Operating Supplies & Services			
52101 OPR-POWER & UTILITIES	11,340	11,340	-

52103 OPR-CHEMICALS	2,445	2,445	-
52110 OPR-SMALL TOOLS AND SUPPLIES	3,000	3,000	-
52113 OPR-LAB SUPPLIES	7,600	8,600	1,000
52114 OPR-LABORATORY SERVICES-GBRA	3,485	3,485	-
52118 OPR-DISPOSAL SERVICES	9,600	9,600	-
52120 OPR-UNIFORMS	3,200	3,600	400
52121 OPR-SAFTY & EMERGENCY EXPENSE	2,400	2,400	-
52122 OPR-SECURITY EXPENSE	2,760	2,760	-
52124 OPR-EQUIPMENT EXPENSE	5,640	5,400	(240)
52125 OPR-VEHICLE EXPENSE	10,200	8,500	(1,700)
52137 OPR-MEMBERSHIPS & PUBLICATIONS	1,200	1,200	-
52138 OPR-TRAINING & EDUCATION	6,000	4,800	(1,200)
52140 OPR-TRAVEL	2,400	2,400	-
52145 OPR-CONTRACT LABOR	1,200	1,200	-
52150 OPR-WATER PURCHASES/DELIVERY	255,248	235,257	(19,991)
52155 OPR-TRANSMISSION CHARGES	50,000	45,000	(5,000)
Total Operating Supplies & Services	377,718	350,987	(26,731)

Professional Services and Fees

52205 OPR-PROFESSIONAL SERVICES-OTHER	15,000	15,000	-
52216 OPR-REGULATORY FEES	1,250	1,250	-
52218 OPR-ACCREDITATION FEES	3,600	3,600	-
52220 OPR-BANK FEES	1,200	1,200	-
Total Professional Services and Fees	21,050	21,050	-

Office Expenses

52301 OPR-OFFICE SUPPLIES	13,140	12,000	(1,140)
52302 OPR-COMPUTER SUPPLIES	6,000	9,150	3,150
52306 OPR-COMMUNICATIONS	4,000	4,000	-
52322 OPR-MEDIA EXPENSE	3,600	3,600	-
Total Office Expenses	26,740	28,750	2,010

Other Operating Expenses

52403 OPR-BUILDING RENTAL	4,272	4,272	-
52404 OPR-RIGHT OF WAY	9,000	9,270	270
52420 OPR-INSURANCE EXPENSE	13,900	16,400	2,500
52430 OPR-MISC EXPENSE	2,340	2,800	460
Total Other Operating Expenses	29,512	32,742	3,230

SUBTOTAL OF OPERATIONAL EXPENSES

	970,523	949,681	(20,842)
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Maintenance and Repair Equipment

53101 M&R-EQUIPMENT	6,960	7,200	240
53115 M&R-METERS AND PUMPS	19,780	21,800	2,020
Total Maintenance and Repair Equipment	26,740	29,000	2,260

Structures

53201	M&R-BUILDING	870	4,400	3,530
53205	M&R-PUMPS AND MOTORS	3,000	3,000	-
53216	M&R-PUMPSTATIONS	4,800	4,800	-
53235	M&R-TRANSMISSION LINES	11,220	12,000	780
	Total Structures	19,890	24,200	4,310
	Other Maintenance & Repairs			
53325	M&R-GENERAL MAINTENANCE	120	260	140
53399	M&R-MISC EXPENSE	6,880	7,400	520
	Total Other Maintenance & Repairs	7,000	7,660	660
	SUBTOTAL OF M&R EXPENSES	53,630	60,860	7,230
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	121,079	121,231	152
	Total Administrative & General	121,079	121,231	152
	Capital Outlay			
61103	EQUIPMENT	338,000	275,000	(63,000)
	Total Capital Outlay	338,000	275,000	(63,000)
	Transfers			
61505	TRANSFERS-DESIGNATED PROJECT FUND	-	225,000	225,000
61515	TRANSFERS-RESERVE FUND	(11,800)	(25,000)	(13,200)
	Total Transfers	(11,800)	200,000	211,800
	TOTAL OPERATING AND M&R EXPENSES	1,471,432	1,606,772	135,340
	Net Operating Income	660	2,315	1,655
	Net Change in Fund Balance	660	2,315	1,655

Rural Water - Capital Outlay Expense

Description	FY 2019
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Capital Outlay Funded From Current Revenues

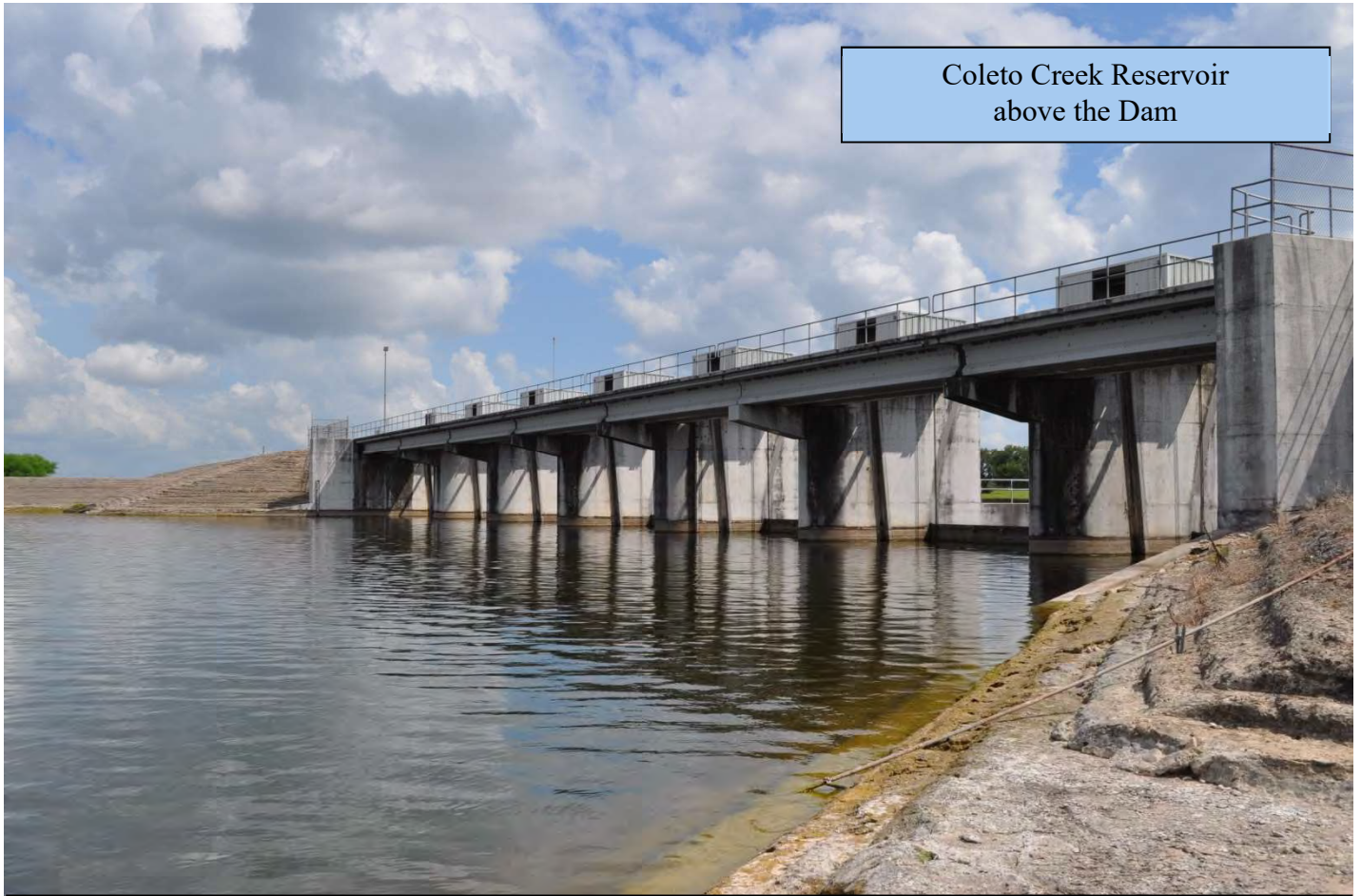
Distribution and Meter Replacement	\$	225,000
Replace 4000ft 6 inch Line-Bayside Beach	\$	35,000
Replace 2000ft 3 inch Line-Maria Street Loop	\$	15,000
<hr/> Total Rural Water Capital Outlay Expense		<hr/> \$ 275,000

Rural Water - Designated Project Fund

Project Description	FY 2019
Projects Funded From Other Sources	
CCRWS Distribution & Meter System Improvements	225,000
<hr/> Total Rural Water Designated Project Fund	<hr/> \$ 225,000 <hr/>

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: \$950,064 |
| • Customer: Vistra Energy | |

Coledo Creek Division

Coledo Creek Reservoir System

Operating Plan for Fiscal Year Ending 8/31/19

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 2019. 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 regime 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 \$950,064 compared to budgeted revenue of \$950,916 for FY2018. This \$852 decrease reflects the decrease in budgeted operating costs described below.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

Significant operating expenses for the ensuing Fiscal Year include \$18,864 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 \$15,156 is budgeted under professional fees including \$10,956 to contract with AECOM to perform the biennial walkover inspection of the Coleta Creek Dam and Spillway.

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 number 1 for purposes of inspecting the skin plate, cathodic protection system, and replacement of hoist connecting U-bolts. Other significant expenses include \$5,000 for the ongoing treatment of aquatic weeds, and \$3,960 for the aerial application of fertilizer on the main dam slopes.

Equipment purchases included in the FY 2019 budget include \$55,992 for the purchase of a 90 hp tractor.

The total operating expenditure budget for FY 2019 amounts to \$950,064.

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 2019 amounts to \$0.



Staffing Summary

Coleto Creek Recreation	# of Authorized Positions (FTE)		
	2017	2018	2019
Chief Ranger	1	1	1
Reservoir Ranger	6	6	5
Administrative Assistant	1	1	1
Seasonal Ranger	0.5	---	---
Total	8.5	8	7

Changes from FY 2017 to FY 2018

½-Seasonal Ranger was removed.

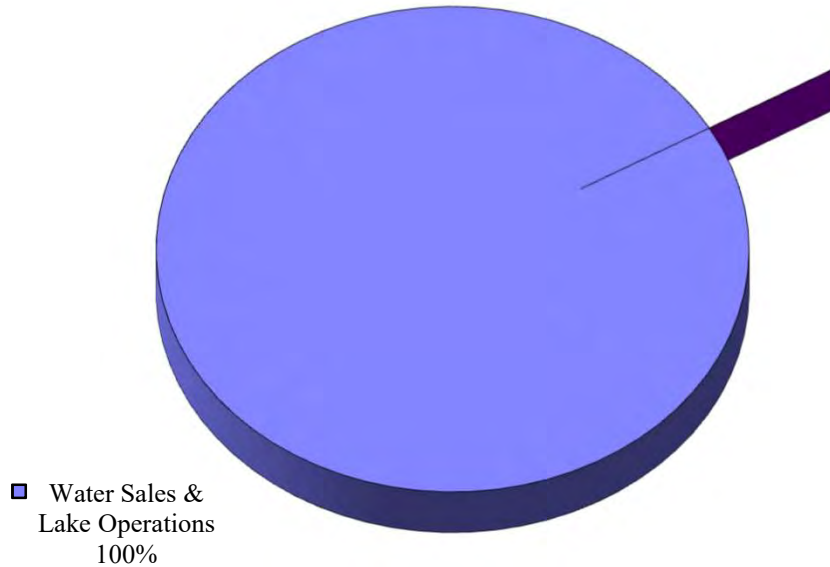
Changes from FY 2018 to FY 2019

1-Reservoir Ranger was removed.



Budget Summary

REVENUES - Coleta Creek Reservoir

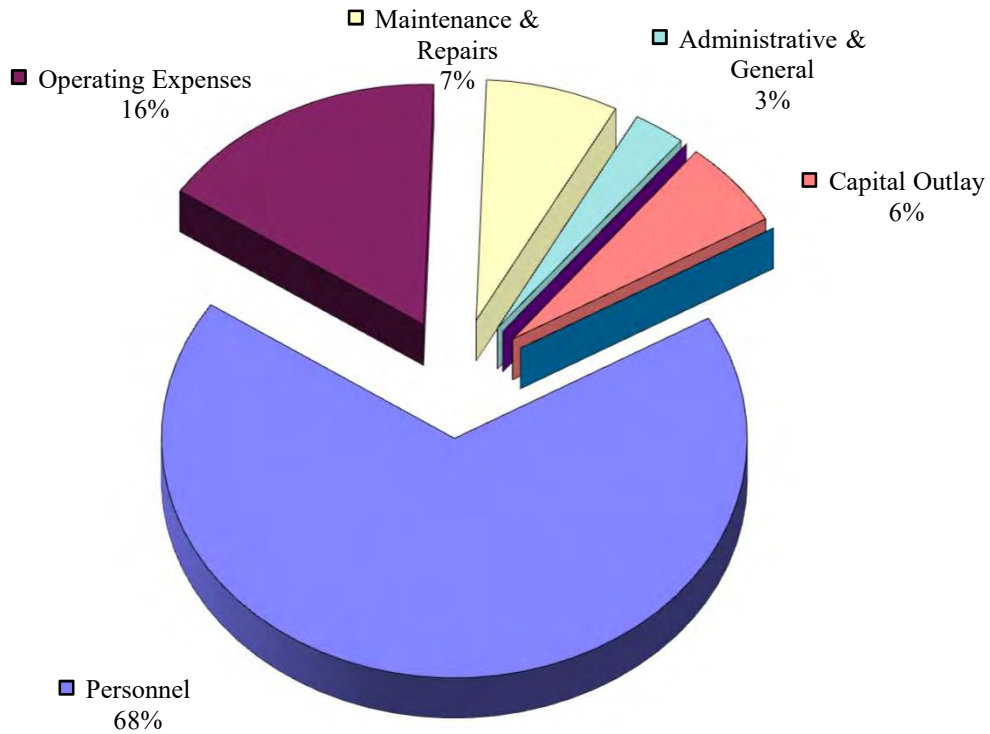


Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations	881,246	950,916	950,064
Recreation & Land Use			
Wastewater Services			
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	5,634		
Total Operating Revenues	886,880	950,916	950,064
Interest Income	166		
Grand Total Revenues	887,046	950,916	950,064



Budget Summary

EXPENSES - Coleta Creek Reservoir



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel	635,983	672,421	643,262
Operating Expenses	139,946	185,350	153,788
Maintenance & Repairs	71,380	64,596	69,712
Administrative & General	40,191	28,549	27,310
Total Operating Expenses	887,500	950,916	894,072
Interest Expense			
Capital Outlay			55,992
Debt Service			
Grand Total Expenses	887,500	950,916	950,064

Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019

091 - Coleta Creek Reservoir

	FY 2018	FY 2019	FY 2019-2018
OPERATING BUDGET	BUDGET	BUDGET	DIFFERENCE
OPERATING REVENUES			
Industrial Reservoir Operations			
41401 COLETO CREEK POWER-O&M EXP	922,367	922,754	387
41402 COLETO CREEK POWER-A&G EXP	28,549	27,310	(1,239)
Total Industrial Reservoir Operations	950,916	950,064	(852)
Total Operating Revenue	950,916	950,064	(852)
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	465,600	444,461	(21,139)
51102 LBR-OVERTIME	12,991	13,377	386
Total Salaries	478,591	457,838	(20,753)
Benefits			
51298 BEN-BENEFIT ALLOCATION	193,830	185,424	(8,406)
Total Benefits	193,830	185,424	(8,406)
Operating Supplies & Services			
52101 OPR-POWER & UTILITIES	4,032	7,116	3,084
52102 OPR-AUXILIARY POWER EXPENSE	12,000	12,000	-
52110 OPR-SMALL TOOLS AND SUPPLIES	3,876	3,876	-
52113 OPR-LAB SUPPLIES	468	408	(60)
52118 OPR-DISPOSAL SERVICES	-	1,800	1,800
52120 OPR-UNIFORMS	3,420	4,656	1,236
52121 OPR-SAFETY & EMERGENCY EXPENSE	13,548	13,548	-
52122 OPR-SECURITY EXPENSE	12,000	2,400	(9,600)
52124 OPR-EQUIPMENT EXPENSE	5,064	5,064	-
52125 OPR-VEHICLE EXPENSE	22,236	22,236	-
52132 OPR-GAUGING AND MONITORING	18,144	18,864	720
52137 OPR-MEMBERSHIPS & PUBLICATIONS	888	1,668	780
52138 OPR-TRAINING & EDUCATION	3,828	3,048	(780)
52140 OPR-TRAVEL	3,624	3,624	-
Total Operating Supplies & Services	103,128	100,308	(2,820)

Professional Services and Fees				
52205	OPR-PROFESSIONAL SERVICES-OTHER	10,200	15,156	4,956
	Total Professional Services and Fees	10,200	15,156	4,956
	Office Expenses			
52301	OPR-OFFICE SUPPLIES	4,896	4,896	-
52302	OPR-COMPUTER SUPPLIES	5,772	9,000	3,228
52306	OPR-COMMUNICATIONS	3,996	3,996	-
	Total Office Expenses	14,664	17,892	3,228
	Other Operating Expenses			
52403	OPR-BUILDING RENTAL	38,626	-	(38,626)
52420	OPR-INSURANCE EXPENSE	14,400	16,100	1,700
52430	OPR-MISC EXPENSE	4,332	4,332	-
	Total Other Operating Expenses	57,358	20,432	(36,926)
	SUBTOTAL OF OPERATIONAL EXPENSES	857,771	797,050	(60,721)
	Maintenance and Repair Equipment			
53101	M&R-EQUIPMENT	7,812	10,056	2,244
53105	M&R-GENERATORS	2,796	2,796	-
53110	M&R-CONTROL SYSTEMS	10,896	10,896	-
53115	M&R-METERS AND PUMPS	-	2,400	2,400
53120	M&R-BOATS	-	600	600
	Total Maintenance and Repair Equipment	21,504	26,748	5,244
	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	9,480	-
	Total Structures	10,464	12,744	2,280
	Other Maintenance & Repairs			
53301	M&R-ROADS	9,300	9,300	-
53305	M&R-RIGHT OF WAY	5,808	5,800	(8)
53310	M&R-GROUNDS	17,280	14,880	(2,400)
53399	M&R-MISC EXPENSE	240	240	-
	Total Other Maintenance & Repairs	32,628	30,220	(2,408)
	SUBTOTAL OF M&R EXPENSES	64,596	69,712	5,116
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	28,549	27,310	(1,239)
	Total Administrative & General	28,549	27,310	(1,239)

Capital Outlay				
61103	EQUIPMENT	-	55,992	55,992
Total Capital Outlay		-	55,992	55,992
TOTAL OPERATING AND M&R EXPENSES		950,916	950,064	(852)
Net Operating Income		-	-	-
Net Change in Fund Balance		-	-	-

Coleto Creek Reservoir - Capital Outlay Expense

Description	FY 2019
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Capital Outlay Funded From Current Revenues

Replacement Tractor	\$	55,992
Total Coleto Creek Reservoir Capital Outlay Expense	\$	55,992



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: \$867,266

Coletto Creek Division

Coletto Creek Recreation System

Operating Plan for Fiscal Year Ending 8/31/19

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 2019 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, six full-time Rangers, a Summer Ranger, and Park Host Couples. 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 \$711,194; \$37,000; \$91,300; and \$4,500 respectively. The proposed fee schedule for FY 2019 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 \$7,000 for Media Expense, \$6,504 for Vehicle Expense, \$4,800 for Communications, \$39,000 for Power and Utilities, \$5,880 for Office Supplies, \$9,000 for Computer Supplies, \$16,872 for Bank Fees due to park patrons using credit and debit cards, \$21,300 for Insurance Expense, and \$60,000 in Professional Services for an RFQ for a potential park expansion project.

Significant maintenance and repair expenses for the ensuing fiscal year includes \$\$15,288 to upgrade electrical service in Camping Loop #2, \$2,790 for rental cabin maintenance expenses, \$3,600 for road maintenance, and \$4,000 in grounds keeping.

A Capital Expense is proposed in the form of replacement of the 38 year old playground in the Park's campground area at a projected expense of \$23,000 and \$40,000 for the construction of 2 rental cabins.

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)		
	2017	2018	2019
Chief Ranger	1	1	1
Reservoir Ranger	6	5	5
Administrative Assistant	1	1	1
Seasonal Ranger	0.5	---	---
Total	8.5	7	7

Changes from FY 2017 to FY 2018

½-Seasonal Ranger was removed.

1-Reservoir Ranger was removed.

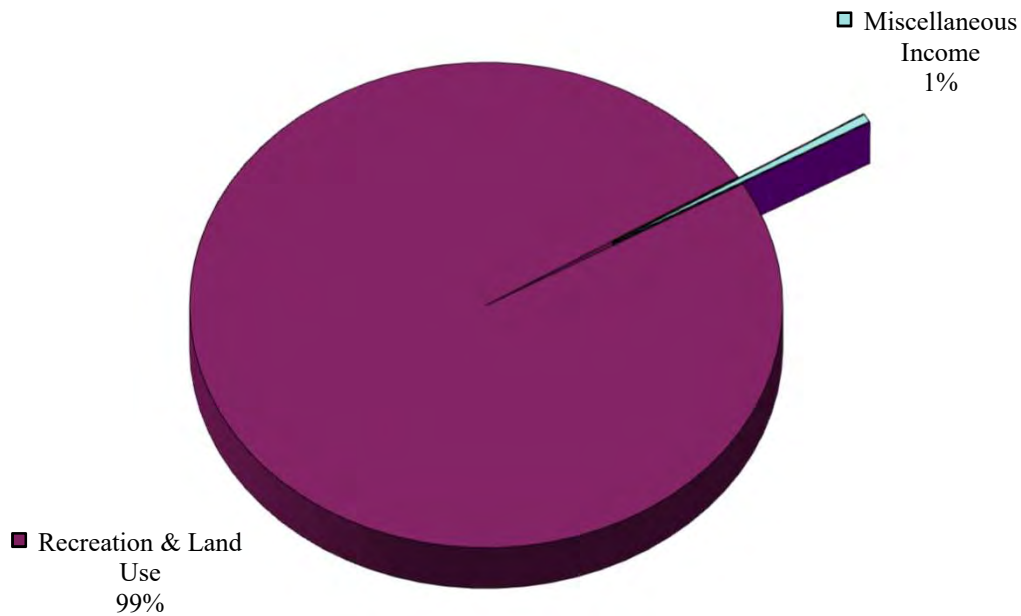
Changes from FY 2018 to FY 2019

No staffing changes for this division.



Budget Summary

REVENUES - Coletto Creek Recreation

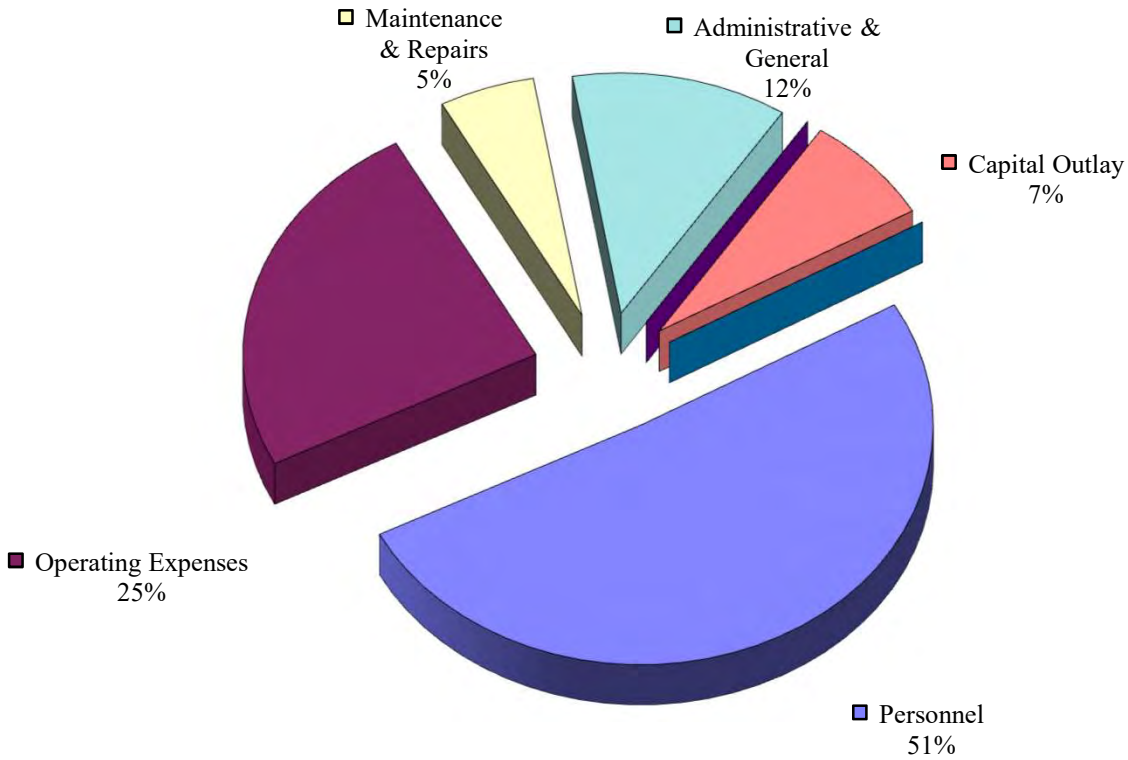


Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use	660,708	826,240	850,246
Wastewater Services			
Laboratory Services			
Rentals	92,551	38,626	
Administrative & General			
Miscellaneous Income	13,017	2,400	4,500
Total Operating Revenues	766,276	867,266	854,746
Interest Income	34		
Grand Total Revenues	766,310	867,266	854,746



Budget Summary

EXPENSES - Coletto Creek Recreation



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel	470,747	478,825	433,560
Operating Expenses	130,485	153,780	209,564
Maintenance & Repairs	30,980	39,800	44,908
Administrative & General	110,328	112,464	101,833
Total Operating Expenses	742,540	784,869	789,865
Interest Expense			
Capital Outlay	43,772	82,000	63,000
Debt Service			
Grand Total Expenses	786,312	866,869	852,865

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019**

092 - Coleta Creek Recreation

OPERATING BUDGET	FY 2018 BUDGET	FY 2019 BUDGET	FY 2019-2018 DIFFERENCE
OPERATING REVENUES			
Recreation & Other Rentals			
42902 REV-PARK ENTRY FEES	687,240	711,194	23,954
42915 REV-SPONSORSHIPS	22,000	10,752	(11,248)
42920 REV-HUNTING REVENUE	36,000	37,000	1,000
42922 REV-AG & LAND USE	81,000	91,300	10,300
Total Recreation & Other Rentals	826,240	850,246	24,006
Internal Transfers			
43002 REV-BUILDING RENTAL	38,626	-	(38,626)
Total Internal Transfers	38,626	-	(38,626)
Misc Income			
45195 MISCELLANEOUS REVENUES	2,400	4,500	2,100
Total Misc Income	2,400	4,500	2,100
Total Operating Revenue	867,266	854,746	(12,520)
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	328,446	297,343	(31,103)
51102 LBR-OVERTIME	12,355	11,241	(1,114)
Total Salaries	340,801	308,584	(32,217)
Benefits			
51298 BEN-BENEFIT ALLOCATION	138,024	124,976	(13,048)
Total Benefits	138,024	124,976	(13,048)
Operating Supplies & Services			
52101 OPR-POWER & UTILITIES	39,900	39,000	(900)
52102 OPR-AUXILIARY POWER EXPENSE	7,840	4,176	(3,664)
52118 OPR-DISPOSAL SERVICES	4,020	6,564	2,544
52120 OPR-UNIFORMS	1,200	1,200	-
52121 OPR-SAFETY & EMERGENCY EXPENSE	3,060	3,060	-

52124	OPR-EQUIPMENT EXPENSE	5,180	5,184	4
52125	OPR-VEHICLE EXPENSE	6,500	6,504	4
52137	OPR-MEMBERSHIPS & PUBLICATIONS	1,920	1,920	-
52138	OPR-TRAINING & EDUCATION	3,240	3,240	-
52140	OPR-TRAVEL	2,500	2,500	-
	Total Operating Supplies & Services	75,360	73,348	(2,012)
	Professional Services and Fees			
52205	OPR-PROFESSIONAL SERVICES-OTHER	-	60,000	60,000
52220	OPR-BANK FEES	22,000	16,872	(5,128)
	Total Professional Services and Fees	22,000	76,872	54,872
	Office Expenses			
52301	OPR-OFFICE SUPPLIES	4,000	5,880	1,880
52302	OPR-COMPUTER SUPPLIES	4,980	9,000	4,020
52306	OPR-COMMUNICATIONS	4,800	4,800	-
52322	OPR-MEDIA EXPENSE	7,000	7,000	-
52331	OPR-JANITORIAL SUPPLIES AND SERVICE	11,000	6,324	(4,676)
	Total Office Expenses	31,780	33,004	1,224
	Other Operating Expenses			
52420	OPR-INSURANCE EXPENSE	19,600	21,300	1,700
52430	OPR-MISC EXPENSE	5,040	5,040	-
	Total Other Operating Expenses	24,640	26,340	1,700
	SUBTOTAL OF OPERATIONAL EXPENSES	632,605	643,124	10,519
	Structures			
53201	M&R-BUILDING	17,340	4,560	(12,780)
53250	M&R-LAKE STRUCTURES	3,000	3,000	-
53251	M&R-PARK STRUCTURES	3,400	6,000	2,600
	Total Structures	23,740	13,560	(10,180)
	Other Maintenance & Repairs			
53301	M&R-ROADS	3,600	3,600	-
53310	M&R-GROUNDS	4,000	4,000	-
53315	M&R-CAMP AND PICNIC SITES	6,360	21,648	15,288
53325	M&R-GENERAL MAINTENANCE	2,100	2,100	-
	Total Other Maintenance & Repairs	16,060	31,348	15,288
	SUBTOTAL OF M&R EXPENSES	39,800	44,908	5,108
	Administrative & General			
54100	ADMINISTRATIVE & GENERAL	112,464	101,833	(10,631)
	Total Administrative & General	112,464	101,833	(10,631)
	Capital Outlay			

61102 BUILDINGS	52,000	40,000	(12,000)
61103 EQUIPMENT	<u>20,000</u>	<u>23,000</u>	<u>3,000</u>
Total Capital Outlay	72,000	63,000	(9,000)
Transfers			
61505 TRANSFERS-DESIGNATED PROJECT FUND	<u>10,000</u>	<u>-</u>	<u>(10,000)</u>
Total Transfers	10,000	-	(10,000)
TOTAL OPERATING AND M&R EXPENSES	<u>866,869</u>	<u>852,865</u>	<u>(14,004)</u>
Net Operating Income	<u>397</u>	<u>1,881</u>	<u>1,484</u>
Net Change in Fund Balance	<u>397</u>	<u>1,881</u>	<u>1,484</u>

Coleto Creek Recreation - Capital Outlay Expense

Description	FY 2019
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Capital Outlay Funded From Current Revenues

Construction-2 New Rental Cabins	\$	40,000
Replacement Playground Equipment	\$	23,000
<hr/> Total Coleto Creek Recreation Capital Outlay Expense		<hr/> \$ 63,000



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".

-
- | | |
|-----------------------------------------|---------------------------------|
| • 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: \$1,189,355 |

Luling Water Treatment Plant Division Operating Plan for Fiscal Year ending 8/31/2019

BACKGROUND

This work plan and budget describes the operations and maintenance of the Luling Water Treatment Plant Division to be performed during the 2019 Fiscal Year based on an estimated treated water delivery of 250.092 MG to the City of Luling and a treated water delivery of 410.735 MG to the City of Lockhart for a total delivery of 660.827 MG.

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

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.

The total operating revenue budgeted to be received during FY 2019 is \$1,182,195 compared to budgeted revenue of \$1,092,673 for FY 2018. This 8.8% increase in revenue reflects a corresponding increase in total operating expenditures as explained below.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

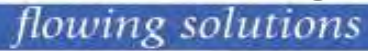
Significant operating expenses for the ensuing fiscal year include \$69,864 for power and utilities at the Water Treatment Plant, \$37,805 for power and utilities at the Luling High Service Pump Station, \$68,903 for power costs to operate the treated water line to Lockhart, \$21,375 for chlorine used in the disinfection process, and \$59,391 for ferric chloride used in the coagulation process. Another significant operating expenditure is the \$18,750 for laboratory expenses to include testing for the Long Term 2 Enhanced Surface Water Treatment (LT2) Rule, and testing fees performed by the Texas Commission on Environmental Quality (TCEQ).

The Fiscal Year 2019 Work Plan and Budget includes \$10,000 to replace chemical feed equipment and \$161,479 which represents one third of the cost to purchase and install an emergency generator. The remaining balance of the emergency generator project will be incurred over the next two fiscal years. The total operating expenditure budget, exclusive of debt service payments, for FY 2019 amounts to \$1,182,195.

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 \$7,150 and a debt coverage factor of \$40,591 from the bonds used to finance the Luling-to-Lockhart pipeline. As a result, the total fund balance for FY 2019 is \$47,751.



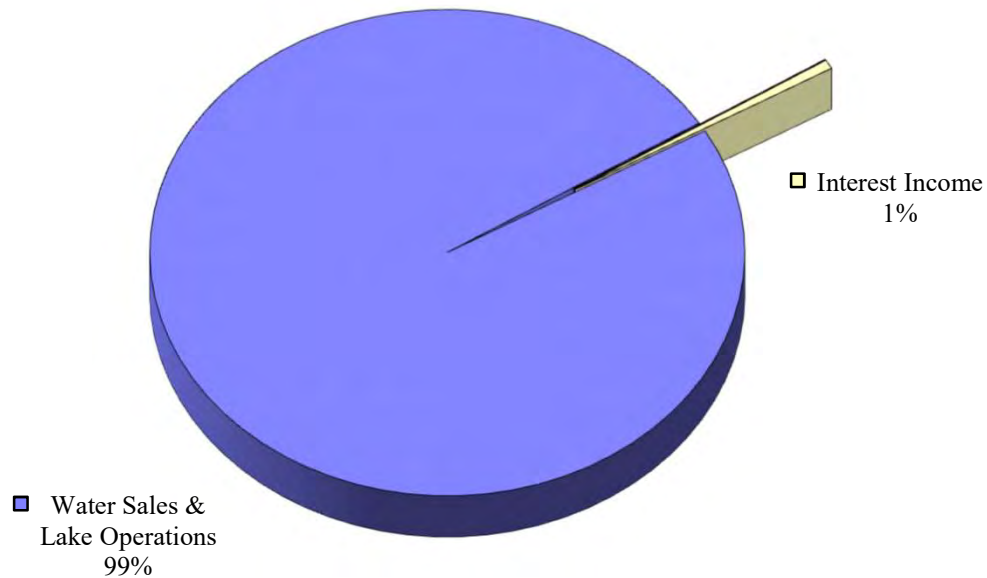
Luling WTP	# of Authorized Positions (FTE)		
	2017	2018	2019
Chief Operator	1	1	1
Operators	4	4	4
Total	5	5	5

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



Budget Summary

REVENUES - Luling WTP

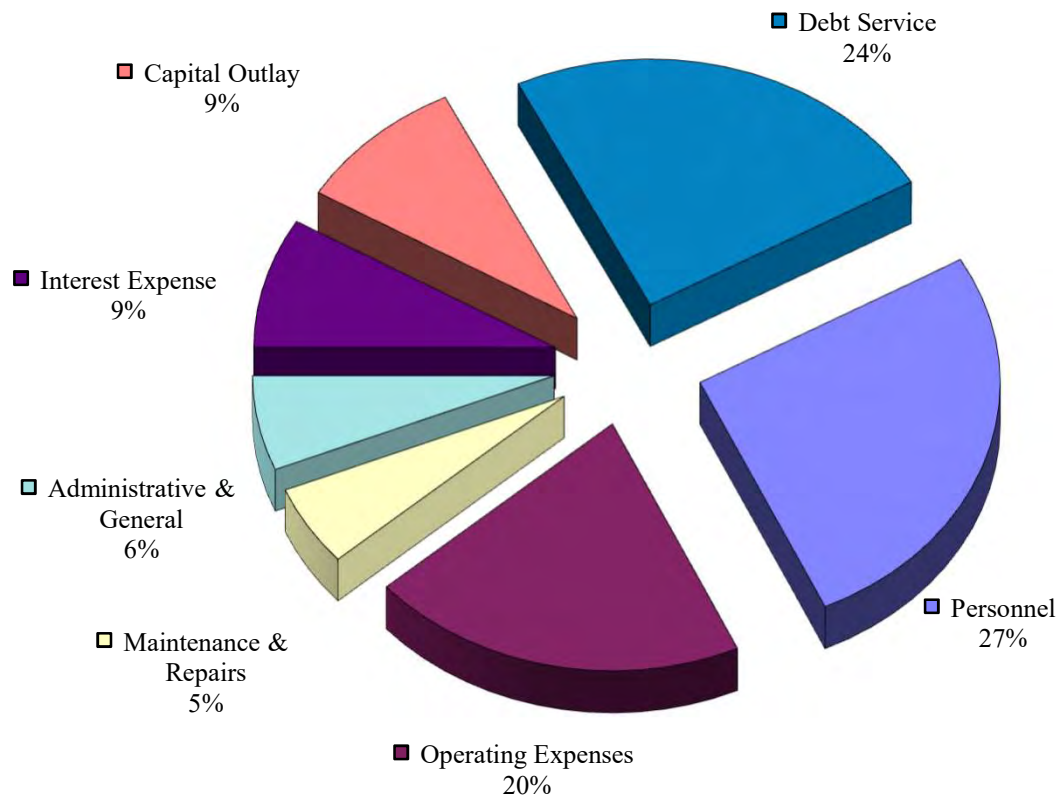


Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations	1,368,778	1,085,513	1,182,195
Recreation & Land Use			
Wastewater Services			
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	33,013		
Total Operating Revenues	1,401,791	1,085,513	1,182,195
Interest Income	5,360	7,160	7,160
Capacity Charge Revenue	449,829	449,829	607,983
Grand Total Revenues	1,856,980	1,542,502	1,797,338



Budget Summary

EXPENSES - Luling WTP



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel	432,174	447,039	464,132
Operating Expenses	349,564	357,206	355,011
Maintenance & Repairs	76,340	176,270	92,560
Administrative & General	100,083	104,998	109,013
Total Operating Expenses	958,161	1,085,513	1,020,716
Interest Expense	149,587	140,185	149,591
Capital Outlay	8,299		161,479
Debt Service	255,000	268,750	417,801
Grand Total Expenses	1,371,047	1,494,448	1,749,587

Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019

100 - Luling WTP

OPERATING BUDGET	FY 2018 BUDGET	FY 2019 BUDGET	FY 2019-2018 DIFFERENCE
OPERATING REVENUES			
Water Treatment			
41101 PLANT O&M	337,868	381,240	43,372
41102 PLANT A&G	36,180	38,726	2,546
41135 LU/LO TREATMENT PLANT CHARGE	567,933	612,855	44,922
41137 W/S-LU/LO DELIVERY SYSTEM	143,532	149,374	5,842
Total Water Treatment	1,085,513	1,182,195	96,682
Operating Interest			
44110 INT-OPR INVESTMENT FUNDS	1,500	1,500	-
44115 INT-LU/LO OPR FUND	5,000	5,000	-
Total Operating Interest	6,500	6,500	-
Restricted Interest			
44216 INT-2014 LU/LO I&S FUND	660	660	-
Total Restricted Interest	660	660	-
Total Operating Revenue	1,092,673	1,189,355	96,682
OPERATING EXPENSES			
Salaries			
51101 LBR-REGULAR WAGES	277,490	287,013	9,523
51102 LBR-OVERTIME	40,687	43,330	2,643
Total Salaries	318,177	330,343	12,166
Benefits			
51298 BEN-BENEFIT ALLOCATION	128,862	133,789	4,927
Total Benefits	128,862	133,789	4,927
Operating Supplies & Services			
52101 OPR-POWER & UTILITIES	166,575	176,572	9,997
52102 OPR-AUXILIARY POWER EXPENSE	8,485	1,500	(6,985)
52103 OPR-CHEMICALS	110,820	102,645	(8,175)
52113 OPR-LAB SUPPLIES	17,172	18,750	1,578

52120 OPR-UNIFORMS	4,420	5,200	780
52121 OPR-SAFETY & EMERGENCY EXPENSE	1,748	2,089	341
52123 OPR-EQUIPMENT RENTAL	2,124	2,123	(1)
52125 OPR-VEHICLE EXPENSE	5,054	5,504	450
52126 OPR-FLEET LEASE EXPENSE	-	1,200	1,200
52133 OPR-SCADA	3,600	-	(3,600)
52137 OPR-MEMBERSHIPS & PUBLICATIONS	300	300	-
52138 OPR-TRAINING & EDUCATION	2,650	2,650	-
52140 OPR-TRAVEL	1,000	1,000	-
Total Operating Supplies & Services	323,948	319,533	(4,415)
Professional Services and Fees			
52205 OPR-PROFESSIONAL SERVICES-OTHER	5,000	2,000	(3,000)
52216 OPR-REGULATORY FEES	1,500	1,500	-
52217 OPR-INSPECTION FEES	428	428	-
52220 OPR-BANK FEES	-	1,000	1,000
Total Professional Services and Fees	6,928	4,928	(2,000)
Office Expenses			
52301 OPR-OFFICE SUPPLIES	1,400	1,400	-
52302 OPR-COMPUTER SUPPLIES	1,680	1,900	220
52304 OPR-COPY SUPPLIES AND SERVICES	-	1,900	1,900
52306 OPR-COMMUNICATIONS	3,750	3,750	-
Total Office Expenses	6,830	8,950	2,120
Other Operating Expenses			
52420 OPR-INSURANCE EXPENSE	17,100	19,200	2,100
52430 OPR-MISC EXPENSE	2,400	2,400	-
Total Other Operating Expenses	19,500	21,600	2,100
SUBTOTAL OF OPERATIONAL EXPENSES	804,245	819,143	14,898
Maintenance and Repair Equipment			
53101 M&R-EQUIPMENT	18,120	18,600	480
53110 M&R-CONTROL SYSTEMS	31,400	7,000	(24,400)
53115 M&R-METERS AND PUMPS	2,600	2,600	-
Total Maintenance and Repair Equipment	52,120	28,200	(23,920)
Structures			
53201 M&R-BUILDING	860	860	-
53202 M&R-CLEARWELLS	252	600	348
53205 M&R-PUMPS AND MOTORS	13,500	13,500	-
53210 M&R-GATES AND VALVES	56,600	6,000	(50,600)
53216 M&R-PUMPSTATIONS	8,292	9,000	708
53238 M&R-FILTERS	600	600	-
Total Structures	80,104	30,560	(49,544)

Other Maintenance & Repairs			
53301 M&R-ROADS	2,000	2,000	-
53310 M&R-GROUNDS	26,416	1,200	(25,216)
53325 M&R-GENERAL MAINTENANCE	15,630	30,600	14,970
Total Other Maintenance & Repairs	44,046	33,800	(10,246)
SUBTOTAL OF M&R EXPENSES	176,270	92,560	(83,710)
Administrative & General			
54100 ADMINISTRATIVE & GENERAL	104,998	109,013	4,015
Total Administrative & General	104,998	109,013	4,015
Transfers			
61505 TRANSFER TO PROJECT FUND	-	161,479	161,479
Total Transfers	-	161,479	161,479
TOTAL OPERATING AND M&R EXPENSES	1,085,513	1,182,195	96,682
Net Operating Income	7,160	7,160	-

DEBT SERVICE BUDGET

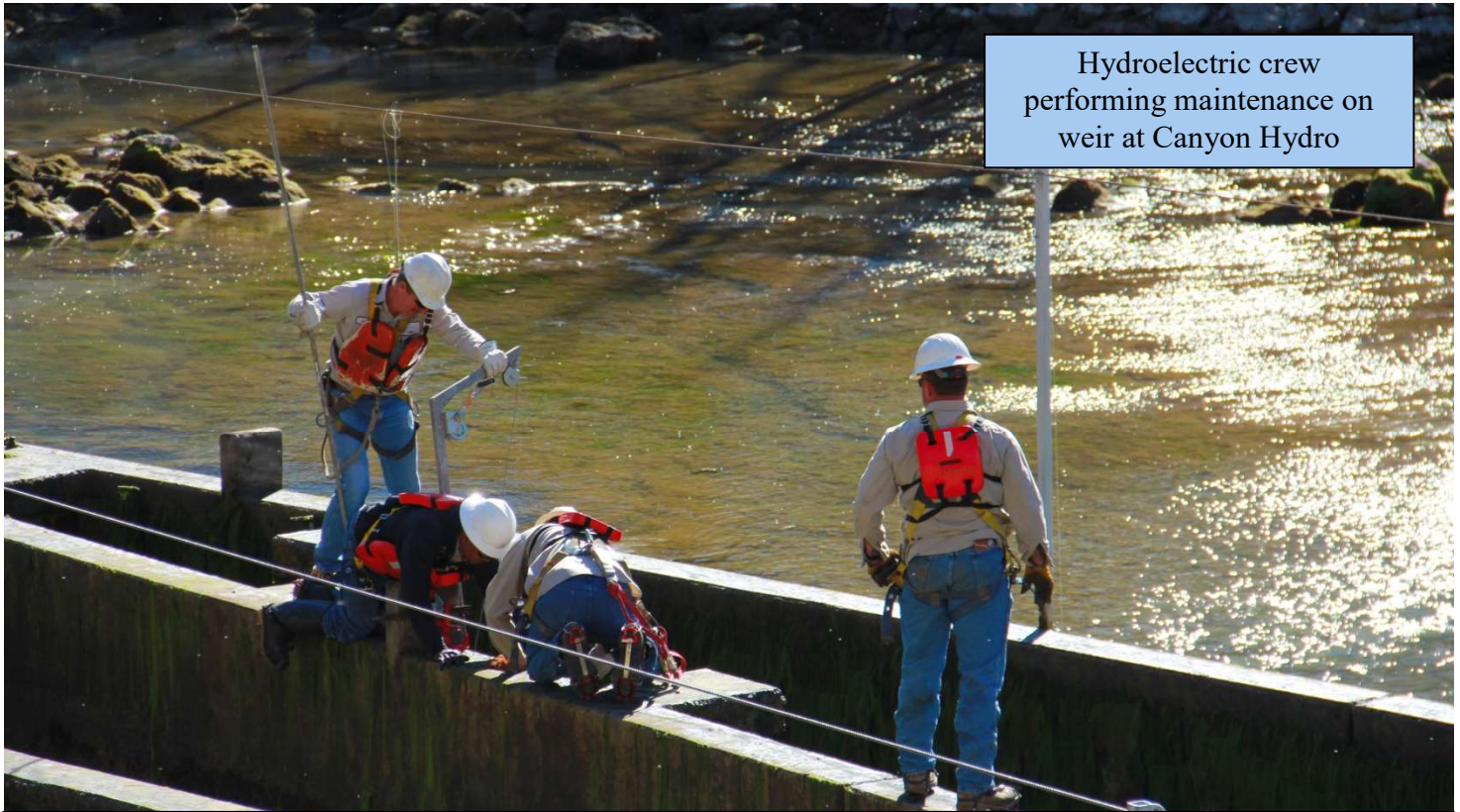
Capacity Charge Revenue			
41131 DEBT SERVICE-LU/LO PROJECT	408,935	405,913	(3,022)
41133 DEBT COVER-LU/LO PROJECT	40,894	40,591	(303)
41138 PLANT DEBT SERVICE	-	161,479	161,479
Total Capacity Charge Revenue	449,829	607,983	158,154
Total Debt Revenue	449,829	607,983	158,154
Principal Payments Expense			
21150 LOAN-BUDGET PRINCIPAL EXPENSE	-	142,801	142,801
21207 BOND-2014 LULO PIPELINE	268,750	275,000	6,250
Total Principal Payments Expense	268,750	417,801	149,051
Interest Expense			
57103 INT-LULO BONDS	140,185	130,913	(9,272)
57250 INT-BUDGET LOAN EXPENSE	-	18,678	18,678
Total Interest Expense	140,185	149,591	9,406
Total Debt Expense	408,935	567,392	158,457

Net Change in Debt Service Budget	<u>40,894</u>	<u>40,591</u>	<u>(303)</u>
Net Change in Fund Balance	<u>48,054</u>	<u>47,751</u>	<u>(303)</u>

Luling WTP - Designated Project Fund

Project Description	FY 2019
Projects Funded From Other Sources	
Emergency Generator (\$450,000, financed over 3 yrs)	161,479
<hr/> Total Luling Designated Project Fund	<hr/> \$ 161,479 <hr/>

Note: See Financial Summary section for total project information



Hydroelectric crew
performing maintenance on
weir at Canyon Hydro

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.

-
- | | |
|----------------------------------------------|------------------------------------|
| • Service Provided: Hydroelectric generation | • Capacity: 6 MW |
| • Location: Sattler, TX | • Average Kwh Produced: 14,318,834 |
| • Startup Operation Date: 1989 | • # of Current Employees: 2 |
| • Customer: NBU | • Budgeted Revenue: \$571,980 |

Canyon Hydroelectric Division

Operating Plan for Fiscal Year Ending 8/31/19

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 2019 is \$571,980 which is \$53,305 more than budgeted revenue for FY 2018. This increase in revenue is due to a similar increase in budgeted operating, maintenance, and capital costs for the division in FY 2019 as explained below.

The power sales revenue budget is set to equal the total amount of budgeted expenditures less any revenue received from the marketing of renewable energy credits. 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.

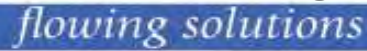
6. Test dissolved oxygen (DO) content of water downstream of the plant.
7. Collect water samples for DO comparison and deliver to the GBRA Water Quality Laboratory.

During FY 2019, 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.

Two significant costs in FY 2019 are \$93,000 for replacement of two obsolete programmable logic controller (PLCs) and \$70,000 for work on and around the penstock. The fourteen year old PLCs control the generators and the resident software program is no longer supported by the PLC manufacturer. The penstock is the conduit that diverts water from the dam's normal outlet structure to the hydroelectric plant. Specifically, in FY 2019, a manhole will be added to the penstock to provide easier, safer access for maintenance purposes as well as a confined space rescue access point should the need become necessary.

FUND BALANCE

Funds for operating expenditures included within the FY 2019 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)		
	2017	2018	2019
Electrical/Instrumentation Technician	1	1	1
Maintenance Crew	1	1	1
Total	2	2	2

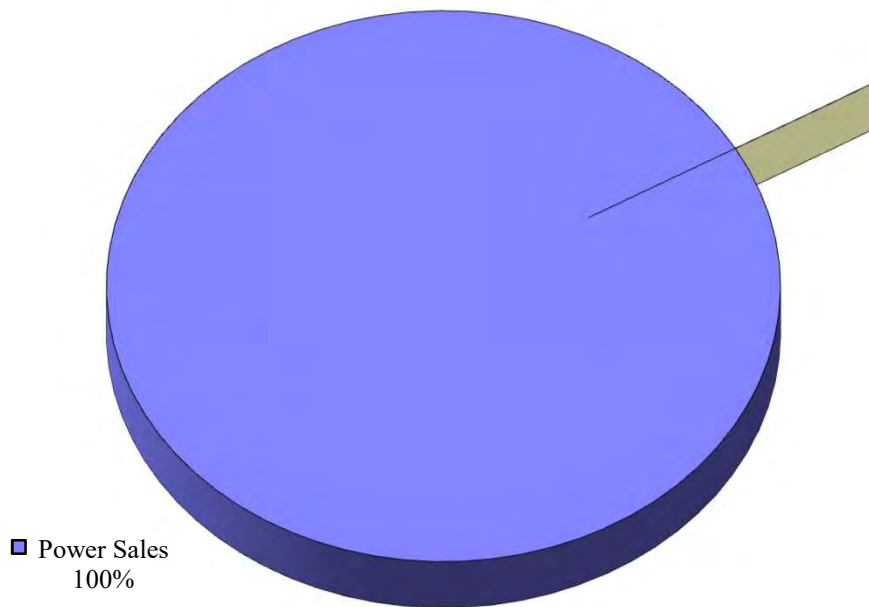
<p><u>Changes from FY 2017 to 2018</u></p> <p>No staffing changes for this division.</p>

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



Budget Summary

REVENUES - Canyon Hydroelectric

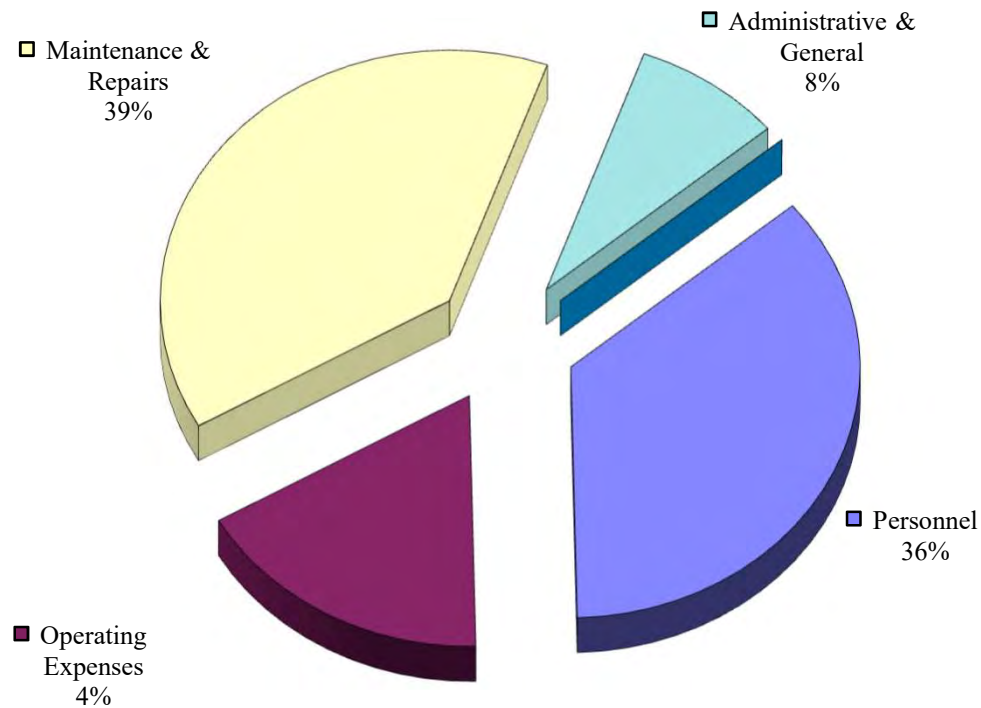


Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales	389,948	518,675	571,980
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services			
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	7,173		
Total Operating Revenues	397,121	518,675	571,980
Interest Income	804		
Grand Total Revenues	397,925	518,675	571,980



Budget Summary

EXPENSES - Canyon Hydroelectric



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel	202,004	200,191	204,523
Operating Expenses	78,547	78,134	97,520
Maintenance & Repairs	69,502	55,630	221,900
Administrative & General	47,874	47,020	48,037
Total Operating Expenses	397,927	380,975	571,980
Interest Expense			
Capital Outlay		137,700	
Debt Service			
Grand Total Expenses	397,927	518,675	571,980

Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019

120 - Canyon Hydroelectric

OPERATING BUDGET		FY 2018 BUDGET	FY 2019 BUDGET	FY 2019-2018 DIFFERENCE
OPERATING REVENUES				
Hydroelectric				
41301	POWER SALES	516,075	571,980	55,905
	Total Hydroelectric	516,075	571,980	55,905
Hydroelectric				
42703	CREDIT-RENEWALABLE ENERGY	2,600	-	(2,600)
	Total Hydroelectric	2,600	-	(2,600)
	Total Operating Revenue	518,675	571,980	53,305
OPERATING EXPENSES				
Salaries				
51101	LBR-REGULAR WAGES	132,404	136,622	4,218
51102	LBR-OVERTIME	10,081	8,946	(1,135)
	Total Salaries	142,485	145,568	3,083
Benefits				
51298	BEN-BENEFIT ALLOCATION	57,706	58,955	1,249
	Total Benefits	57,706	58,955	1,249
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	1,500	2,000	500
52121	OPR-SAFETY & EMERGENCY EXPENSE	700	3,000	2,300
52124	OPR-EQUIPMENT EXPENSE	-	1,000	1,000
52125	OPR-VEHICLE EXPENSE	7,500	7,500	-
52133	OPR-SCADA	-	120	120
52138	OPR-TRAINING & EDUCATION	600	700	100
52140	OPR-TRAVEL	300	300	-
	Total Operating Supplies & Services	13,800	18,820	5,020

Professional Services and Fees				
52205	OPR-PROFESSIONAL SERVICES-OTHER	500	5,500	5,000
52216	OPR-REGULATORY FEES	27,000	46,000	19,000
52217	OPR-INSPECTION FEES	18,800	-	(18,800)
Total Professional Services and Fees		46,300	51,500	5,200
Office Expenses				
52306	OPR-COMMUNICATIONS	1,500	2,000	500
Total Office Expenses		1,500	2,000	500
Other Operating Expenses				
52403	OPR-BUILDING RENTAL	2,184	-	(2,184)
52420	OPR-INSURANCE EXPENSE	13,900	23,200	9,300
52430	OPR-MISC EXPENSE	450	2,000	1,550
Total Other Operating Expenses		16,534	25,200	8,666
SUBTOTAL OF OPERATIONAL EXPENSES		278,325	302,043	23,718
Maintenance and Repair Equipment				
53101	M&R-EQUIPMENT	5,400	70,000	64,600
53105	M&R-GENERATORS	2,200	3,000	800
53110	M&R-CONTROL SYSTEMS	11,000	103,000	92,000
53130	M&R-HYDROELECTRIC	8,600	10,000	1,400
Total Maintenance and Repair Equipment		27,200	186,000	158,800
Structures				
53201	M&R-BUILDING	900	900	-
53235	M&R-TRANSMISSION LINES	8,200	10,000	1,800
53245	M&R-POWERHOUSE	19,330	21,000	1,670
Total Structures		28,430	31,900	3,470
Other Maintenance & Repairs				
53325	M&R-GENERAL MAINTENANCE	-	2,000	2,000
53399	M&R-MISC EXPENSE	-	2,000	2,000
Total Other Maintenance & Repairs		-	4,000	4,000
SUBTOTAL OF M&R EXPENSES		55,630	221,900	166,270
Administrative & General				
54100	ADMINISTRATIVE & GENERAL	47,020	48,037	1,017
Total Administrative & General		47,020	48,037	1,017
Capital Outlay				
61103	EQUIPMENT	77,700	-	(77,700)
Total Capital Outlay		77,700	-	(77,700)
Transfers				

61505	TRANSFERS-DESIGNATED PROJECT FUND	60,000	-	(60,000)
	Total Transfers	60,000	-	(60,000)
	TOTAL OPERATING AND M&R EXPENSES	518,675	571,980	53,305
	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: \$1,035,711 |

Lockhart Division

Lockhart Wastewater Reclamation System

Operating Plan for Fiscal Year Ending 8/31/19

BACKGROUND

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 2019, 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.

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

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.

The FY 2019 budget 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 2019 total revenue for the Lockhart Wastewater System is \$1,035,711 which is \$36,170 or 3.6% more than last year's budget.

CAPITAL ADDITIONS AND OPERATING EXPENDITURES

The combined capital additions and operating expenditure budget for FY 2019 amounts to \$1,035,711 which is \$36,170 or 3.6% more than FY 2018. Significant operating expenses budgeted for Fiscal Year 2019 include biosolids disposal in the amount of \$130,688, power and utilities of \$188,520, and lab supplies and expenses of \$51,545.

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

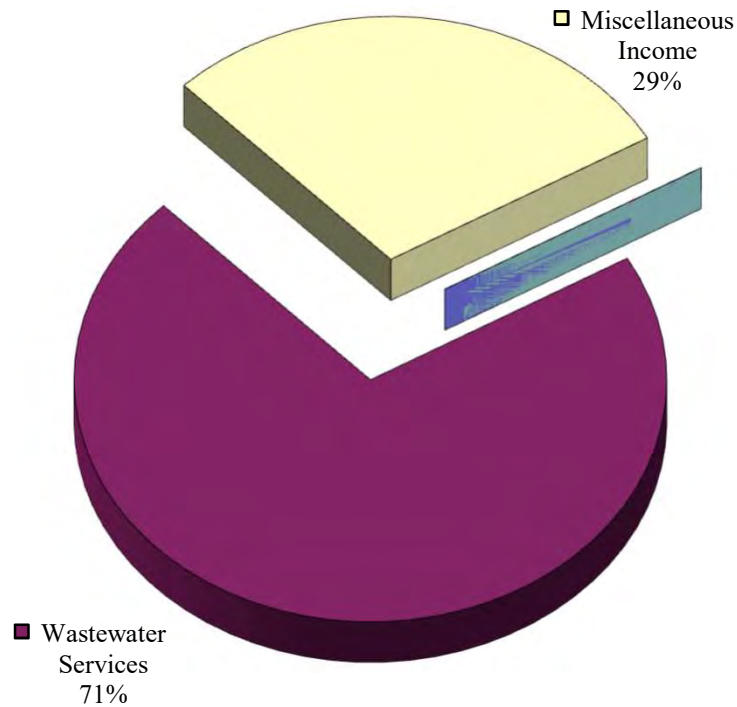
Funds for the above listed capital additions and maintenance projects as well as all of the other operating expenditures that are summarized in the following pages will be provided from revenues from

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 2019 is \$0.



Budget Summary

REVENUES - Lockhart WWTP

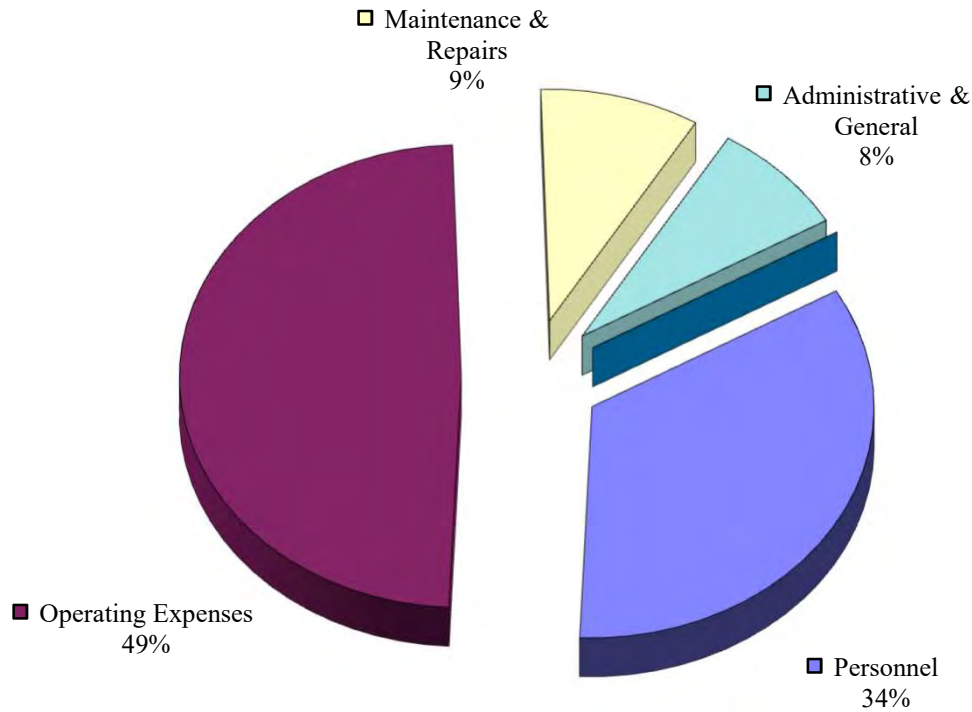


Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations			
Recreation & Land Use			
Wastewater Services	869,394	697,130	735,711
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	398,228	300,160	300,000
Total Operating Revenues	1,267,622	997,290	1,035,711
Interest Income	1,316	2,250	
Grand Total Revenues	1,268,938	999,540	1,035,711

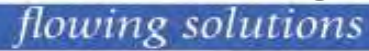


Budget Summary

EXPENSES - Lockhart WWTP



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel	325,737	321,648	352,398
Operating Expenses	481,845	471,899	505,533
Maintenance & Repairs	110,755	130,446	95,010
Administrative & General	77,270	75,547	82,770
Total Operating Expenses	995,607	999,540	1,035,711
Interest Expense	8,000		
Capital Outlay			
Debt Service	640,000		
Grand Total Expenses	1,643,607	999,540	1,035,711



Staffing Summary

Lockhart WWTP	# of Authorized Positions (FTE)		
	2017	2018	2019
Chief Operator	1	1	1
Operators	3	3	3
Total	4	4	4

Changes from FY 2017 to FY 2018
No staffing changes for this division.

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

Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019

130 - Lockhart WWTP

OPERATING BUDGET		FY 2018 BUDGET	FY 2019 BUDGET	FY 2019-2018 DIFFERENCE
OPERATING REVENUES				
Wastewater Treatment				
41201	WW-OPR & MAINTENANCE	923,993	952,941	28,948
41202	WW-ADMINISTRATIVE & GENERAL	75,547	82,770	7,223
41207	WW-CREDIT TO CUSTOMER	(300,160)	(300,000)	160
41208	WW-CREDIT INT EARNINGS	(2,250)	-	2,250
	Total Wastewater Treatment	697,130	735,711	38,581
Operating Interest				
44110	INT-OPR INVESTMENT FUNDS	1,800	-	(1,800)
	Total Operating Interest	1,800	-	(1,800)
Restricted Interest				
44201	INT-RESTRICTED FUNDS	450	-	(450)
	Total Restricted Interest	450	-	(450)
Misc Income				
45195	MISCELLANEOUS REVENUES	300,160	300,000	(160)
	Total Misc Income	300,160	300,000	(160)
	Total Operating Revenue	999,541	1,035,711	36,170
OPERATING EXPENSES				
Salaries				
51101	LBR-REGULAR WAGES	224,566	241,507	16,941
51102	LBR-OVERTIME	4,365	9,310	4,945
	Total Salaries	228,931	250,817	21,886
Benefits				
51298	BEN-BENEFIT ALLOCATION	92,717	101,581	8,864
	Total Benefits	92,717	101,581	8,864
Operating Supplies & Services				
52101	OPR-POWER & UTILITIES	188,520	188,520	-

52102	OPR-AUXILIARY POWER EXPENSE	5,276	5,200	(76)
52103	OPR-CHEMICALS	23,556	25,044	1,488
52110	OPR-SMALL TOOLS AND SUPPLIES	996	3,490	2,494
52113	OPR-LAB SUPPLIES	41,988	51,545	9,557
52118	OPR-DISPOSAL SERVICES	118,692	130,688	11,996
52120	OPR-UNIFORMS	3,660	4,440	780
52121	OPR-SAFETY & EMERGENCY EXPENSE	4,860	5,000	140
52122	OPR-SECURITY EXPENSE	3,600	3,600	-
52124	OPR-EQUIPMENT EXPENSE	3,800	3,780	(20)
52125	OPR-VEHICLE EXPENSE	7,704	7,280	(424)
52126	OPR-FLEET LEASE EXPENSE	-	1,200	1,200
52137	OPR-MEMBERSHIPS & PUBLICATIONS	720	720	-
52138	OPR-TRAINING & EDUCATION	5,064	5,081	17
52140	OPR-TRAVEL	2,400	-	(2,400)
	Total Operating Supplies & Services	410,836	435,588	24,752
	Professional Services and Fees			
52205	OPR-PROFESSIONAL SERVICES-OTHER	11,000	12,960	1,960
52217	OPR-INSPECTION FEES	19,116	23,520	4,404
52220	OPR-BANK FEES	500	500	-
	Total Professional Services and Fees	30,616	36,980	6,364
	Office Expenses			
52301	OPR-OFFICE SUPPLIES	2,868	2,860	(8)
52302	OPR-COMPUTER SUPPLIES	3,600	3,725	125
52306	OPR-COMMUNICATIONS	6,600	6,600	-
	Total Office Expenses	13,068	13,185	117
	Other Operating Expenses			
52420	OPR-INSURANCE EXPENSE	16,900	19,300	2,400
52430	OPR-MISC EXPENSE	480	480	-
	Total Other Operating Expenses	17,380	19,780	2,400
	SUBTOTAL OF OPERATIONAL EXPENSES	793,548	857,931	64,383
	Maintenance and Repair Equipment			
53101	M&R-EQUIPMENT	32,370	28,750	(3,620)
53110	M&R-CONTROL SYSTEMS	-	6,500	6,500
53115	M&R-METERS AND PUMPS	20,508	1,100	(19,408)
	Total Maintenance and Repair Equipment	52,878	36,350	(16,528)
	Structures			
53201	M&R-BUILDING	5,496	5,500	4
53205	M&R-PUMPS AND MOTORS	15,480	10,100	(5,380)
53210	M&R-GATES AND VALVES	7,524	7,500	(24)
53220	M&R-CLARIFIERS	8,400	8,310	(90)
53237	M&R UV SYSTEM	11,208	-	(11,208)

Total Structures		<u>48,108</u>	<u>31,410</u>	<u>(16,698)</u>
Other Maintenance & Repairs				
53310	M&R-GROUNDS	26,496	17,500	(8,996)
53325	M&R-GENERAL MAINTENANCE	<u>2,964</u>	<u>9,750</u>	<u>6,786</u>
Total Other Maintenance & Repairs		<u>29,460</u>	<u>27,250</u>	<u>(2,210)</u>
SUBTOTAL OF M&R EXPENSES		<u>130,446</u>	<u>95,010</u>	<u>(35,436)</u>
Administrative & General				
54100	ADMINISTRATIVE & GENERAL	75,547	82,770	7,223
Total Administrative & General		<u>75,547</u>	<u>82,770</u>	<u>7,223</u>
TOTAL OPERATING AND M&R EXPENSES		<u>999,541</u>	<u>1,035,711</u>	<u>36,170</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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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: \$701,202 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Lockhart Division

Lockhart Water Treatment Plant System

Operating Plan for Fiscal Year ending 8/31/19

BACKGROUND

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 2019 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.

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 and the Operations Manager-Upper Basin, both located at GBRA's Seguin office. 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 budget is based on a total estimated annual water treatment of 146,956,000 gallons or 146.956 MG. The budgeted FY 2019 operating revenue for the Lockhart Water Treatment Plant System is \$701,202 which is \$32,053 or 4.7% more than last year's budget. 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 2019 mirrors the revenue budget and therefore also amounts to \$701,202, which is \$32,053 more than FY 2018. 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 2019 is \$41,076. Power will also be a major expense for the upcoming year amounting to \$63,468, which is the same as FY 2018.

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 2019 is \$0.



Staffing Summary

Lockhart WTP	# of Authorized Positions (FTE)		
	2017	2018	2019
Operators	3	3	3
Total	3	3	3

Changes from FY 2017 to FY 2018

No staffing changes for this division.

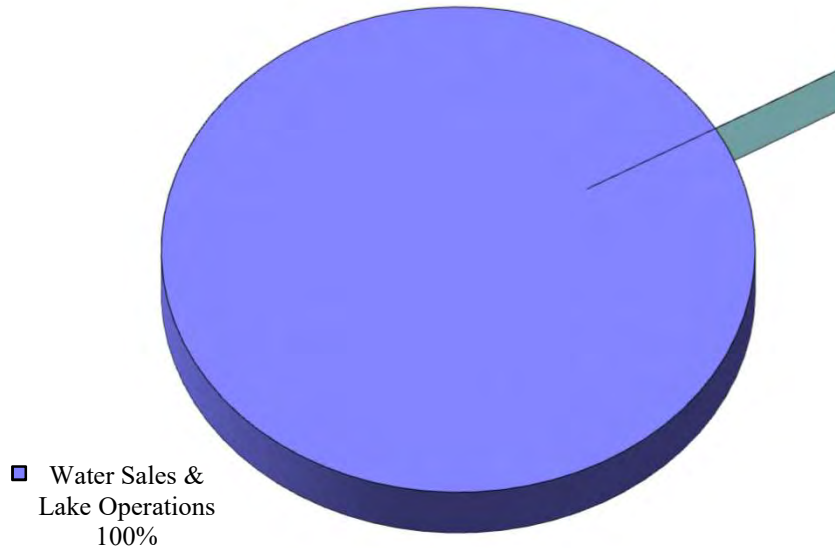
Changes from FY 2018 to FY 2019

No staffing changes for this division.



Budget Summary

REVENUES - Lockhart WTP



Revenues	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Pollution & Industrial Financing			
Power Sales			
Water Sales & Lake Operations	595,839	669,149	701,202
Recreation & Land Use			
Wastewater Services			
Laboratory Services			
Rentals			
Administrative & General			
Miscellaneous Income	256,360		
Total Operating Revenues	852,199	669,149	701,202
Interest Income	483		
Grand Total Revenues	852,682	669,149	701,202

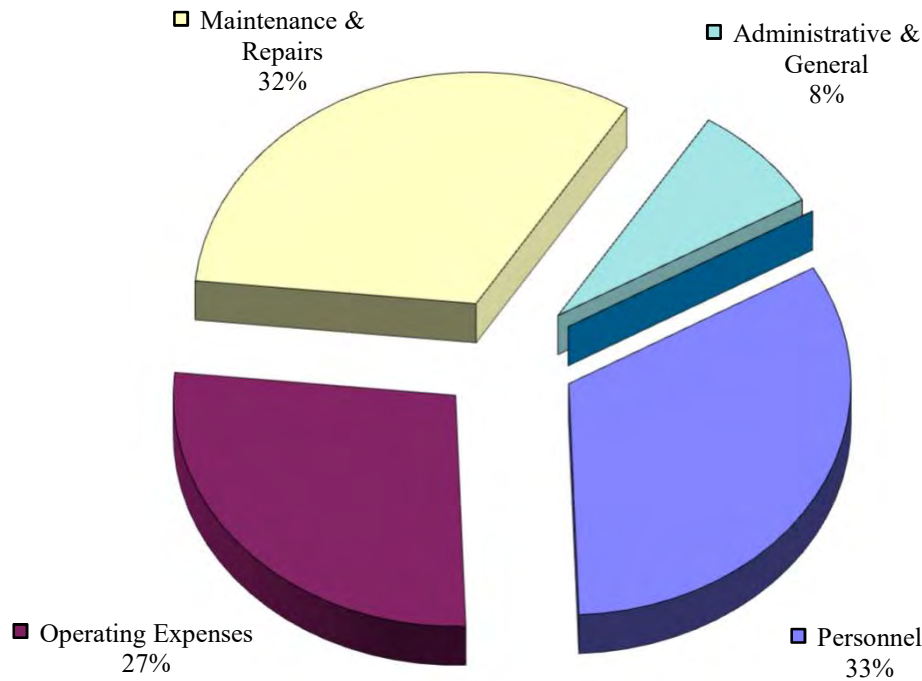


Fiscal Year 2019 Budget

flowing solutions

Budget Summary

EXPENSES - Lockhart WTP



Expenses	FY 2017 Actual	FY 2018 Budget	FY 2019 Budget
Personnel	174,382	177,767	229,694
Operating Expenses	149,562	224,997	190,399
Maintenance & Repairs	487,908	224,632	227,160
Administrative & General	40,830	41,753	53,949
Total Operating Expenses	852,682	669,149	701,202
Interest Expense			
Capital Outlay			
Debt Service			
Grand Total Expenses	852,682	669,149	701,202

**Guadalupe-Blanco River Authority
Work Plan & Budget
Fiscal Year Ending August 31, 2019**

131 - Lockhart WTP

		FY 2018	FY 2019	FY 2019-2018
	OPERATING BUDGET	BUDGET	BUDGET	DIFFERENCE
	OPERATING REVENUES			
	Water Treatment			
41101	PLANT O&M	627,396	647,253	19,857
41102	PLANT A&G	41,753	53,949	12,196
	Total Water Treatment	669,149	701,202	32,053
	Total Operating Revenue	669,149	701,202	32,053
	OPERATING EXPENSES			
	Salaries			
51101	LBR-REGULAR WAGES	123,639	156,530	32,891
51102	LBR-OVERTIME	2,886	6,953	4,067
	Total Salaries	126,525	163,483	36,958
	Benefits			
51298	BEN-BENEFIT ALLOCATION	51,242	66,211	14,969
	Total Benefits	51,242	66,211	14,969
	Operating Supplies & Services			
52101	OPR-POWER & UTILITIES	63,468	63,468	-
52103	OPR-CHEMICALS	40,524	41,076	552
52110	OPR-SMALL TOOLS AND SUPPLIES	1,008	990	(18)
52113	OPR-LAB SUPPLIES	19,860	24,012	4,152
52120	OPR-UNIFORMS	2,484	3,324	840
52121	OPR-SAFETY & EMERGENCY EXPENSE	1,404	1,700	296
52122	OPR-SECURITY EXPENSE	4,008	4,008	-
52123	OPR-EQUIPMENT RENTAL	1,650	1,650	-
52124	OPR-EQUIPMENT EXPENSE	120	120	-
52125	OPR-VEHICLE EXPENSE	5,760	5,540	(220)
52126	OPR-FLEET LEASE EXPENSE	-	1,200	1,200
52137	OPR-MEMBERSHIPS & PUBLICATIONS	424	424	-
52138	OPR-TRAINING & EDUCATION	3,048	3,050	2
52140	OPR-TRAVEL	1,392	1,400	8
	Total Operating Supplies & Services	145,150	151,962	6,812

Professional Services and Fees				
52205	OPR-PROFESSIONAL SERVICES-OTHER	48,600	4,320	(44,280)
52217	OPR-INSPECTION FEES	9,380	11,616	2,236
Total Professional Services and Fees		57,980	15,936	(42,044)
Office Expenses				
52301	OPR-OFFICE SUPPLIES	2,100	2,100	-
52302	OPR-COMPUTER SUPPLIES	3,192	2,825	(367)
52306	OPR-COMMUNICATIONS	3,995	3,996	1
Total Office Expenses		9,287	8,921	(366)
Other Operating Expenses				
52420	OPR-INSURANCE EXPENSE	12,100	13,100	1,000
52430	OPR-MISC EXPENSE	480	480	-
Total Other Operating Expenses		12,580	13,580	1,000
SUBTOTAL OF OPERATIONAL EXPENSES		402,764	420,093	17,329
Maintenance and Repair Equipment				
53101	M&R-EQUIPMENT	25,372	6,600	(18,772)
53110	M&R-CONTROL SYSTEMS	-	22,650	22,650
53115	M&R-METERS AND PUMPS	18,144	18,330	186
Total Maintenance and Repair Equipment		43,516	47,580	4,064
Structures				
53201	M&R-BUILDING	480	480	-
53205	M&R-PUMPS AND MOTORS	37,212	34,100	(3,112)
53210	M&R-GATES AND VALVES	18,708	17,500	(1,208)
53235	M&R-TRANSMISSION LINES	10,692	11,000	308
Total Structures		67,092	63,080	(4,012)
Other Maintenance & Repairs				
53302	M&R-WELLS	79,104	79,500	396
53310	M&R-GROUNDS	17,676	17,700	24
53325	M&R-GENERAL MAINTENANCE	17,244	19,300	2,056
Total Other Maintenance & Repairs		114,024	116,500	2,476
SUBTOTAL OF M&R EXPENSES		224,632	227,160	2,528
Administrative & General				
54100	ADMINISTRATIVE & GENERAL	41,753	53,949	12,196
Total Administrative & General		41,753	53,949	12,196
TOTAL OPERATING AND M&R EXPENSES		669,149	701,202	32,053

Net Operating Income	<u><u>-</u></u>	<u><u>-</u></u>	<u><u>-</u></u>
Net Change in Fund Balance	<u><u>-</u></u>	<u><u>-</u></u>	<u><u>-</u></u>

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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