

UTILITY SERVICE
FUNDS



NEW POSITIONS FY2016

Electric Fund	
Safety & Training Specialist.....	1
Electric Crew	4
Electric Scheduler/Planner.....	1
Electric Project Coordinator.....	1
System Operations.....	3
Water Services Fund	
Water Services	6.5
Wastewater Services	8.5
TOTAL NEW POSITIONS FY2016.....	25

UTILITY SERVICE FUNDS

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ELECTRIC FUND

The Electric Fund is used to account for the revenues and expenses relating to the City's electric services. This includes the electric departments, purchased power costs, debt payments, and capital projects. The fund also makes a transfer to the General Fund for the City's return on investment (ROI).

FISCAL YEAR 2015

Total revenues are projected to be \$70,321,924, 2.95% lower than the current budget. The lower than expected revenue is primarily the result lower than projected sales due to the abnormally cool and wet weather during early summer.

Total expenditures are projected to be \$72,674,742, 3.84% less than the current budget. Most departments are expected to finish the current fiscal year within budget. The elimination of the solar farm CIP item originally budgeted in FY2015 is the primary factor for the decrease.

Total fund balance is projected to be \$8,231,940 as of September 30, 2015, which is equal to 12.74% of operating expenditures. A 2013 rate study established a fund balance goal of \$14M. Based on current projection, it is expected the City will achieve this goal by the end of FY2017.

FISCAL YEAR 2016

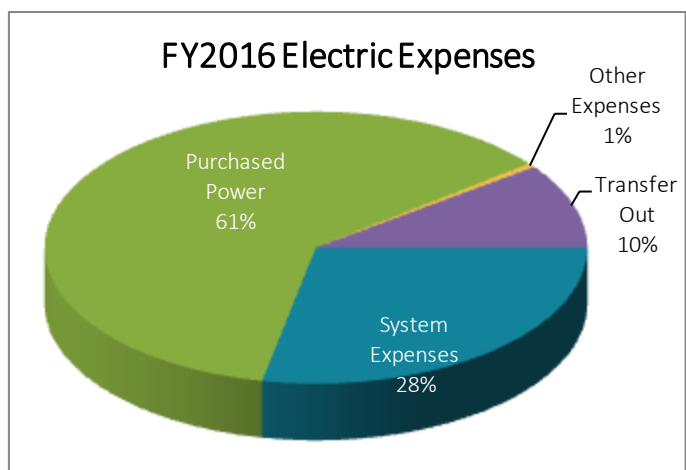
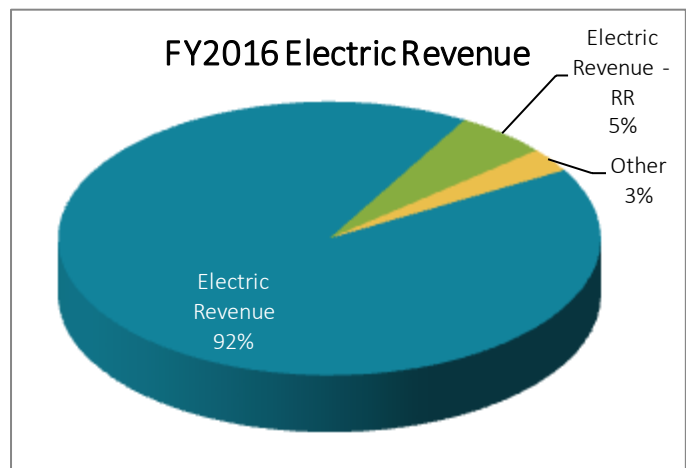
Budgeted revenues total \$66,699,775. Revenues are projected to decline by 5.15%, due to less bond proceeds. Overall, primary sales are expected to grow by \$3.17M. The chart to the right identifies the fund's revenues by source.

Budgeted expenses total \$65,346,407 and are expected to decrease by 10.08% from FY15 projections.

The decreases result from less CIP expense in 2016 and lower purchased power costs. The utility begins operating the Spinning Spur 3 wind farm as early as October of 2015.

Recommended enhancements include 10 new FTE's to address system growth and operational needs, including an electric services scheduler and project manager to assist in providing reduced coverage to critical service needs. An additional safety training position is also added to manage on-going training and safety needs.

The utility is expected to review rates over the next 2 years to continue ensuring cost of service based funding.



ELECTRIC FUND INCOME STATEMENT

	FY2014 Actual	FY2015 Budget	FY2015 Proj. Actual	FY2016 Base	FY2016 Changes	FY2016 Budget
Beginning Fund Balance	11,950,561	19,852,487	10,584,758	8,231,940		8,231,940
Operating Revenue						
Electric Revenues	58,017,664	62,318,107	60,229,896	63,400,000	-	63,400,000
Interest	21,280	26,000	16,928	17,425	-	17,425
Other Revenue	2,301,570	2,090,000	1,794,255	1,782,350	-	1,782,350
Interfund Transfers/Shared Svcs	-	2,305,917	2,557,845	-	-	-
Total Operating Revenue	60,340,514	66,740,024	64,598,924	65,199,775	-	65,199,775
Operating Expense						
Georgetown Utility Systems	12,033,524	15,237,776	15,164,109	14,878,764	773,414	15,652,178
Operating Capital Improvements	1,663,555	1,148,000	1,364,000	108,000	43,000	151,000
Purchased Power	38,384,323	37,073,038	37,073,038	34,000,000	-	34,000,000
CRR Credits	-	-	-	-	-	-
AMI Implementation	187,150	50,000	50,000	50,000	84,000	134,000
Transfer Out - GCP	4,592,769	4,722,934	4,950,896	5,263,949	347,817	5,611,766
Total Operating Expense	56,861,321	58,231,748	58,602,043	54,300,713	1,248,231	55,548,944
Available Fund Balance	15,429,754	28,360,763	16,581,639	19,131,001		17,882,770
Policy Compliance (Operating Revenues - Operating Expenses)				10,899,062		9,650,831
Non-Operating Revenue						
Bond Proceeds	5,765,000	5,723,000	5,723,000	1,500,000	-	1,500,000
Total Non-Operating Revenue	5,765,000	5,723,000	5,723,000	1,500,000	-	1,500,000
Non-Operating Expenses						
One-Time Programs	-	-	-	-	-	-
Capital Improvements	8,265,239	13,683,000	10,413,000	5,998,000	100,000	6,098,000
AMI/FIS System	-	-	-	-	-	-
Rollforward CIP	-	-	-	-	-	-
Debt Payments	2,839,637	3,573,771	3,573,771	3,470,507	-	3,470,507
Debt Payments - New Debt	-	-	-	-	-	-
Debt Issuance Costs	69,540	85,928	85,928	16,800	-	16,800
Total Non-Operating Expense	11,174,416	17,342,699	14,072,699	9,485,307	100,000	9,585,307
Ending Fund Balance	10,020,338	16,741,064	8,231,940	11,145,694		9,797,463
Adjustment and Reservations						
CAFR Adjustment	564,420	-	-	-	-	-
Rate Stabilization/Credit Reserve	4,492,324	3,000,000	1,940,118	5,000,000	-	5,000,000
Contingency	2,650,000	6,215,000	6,215,000	4,775,000	-	4,775,000
Available Fund Balance	3,442,434	7,526,064	76,821	1,370,694		22,463
Debt Compliance						
Coverage Compliance						9,719,939
CY Debt Service Requirement						3,470,507
Debt Coverage Ratio						2.80



Turbine Row Spinning Spur 3



Spinning Spur 3 at Dusk

ELECTRIC ADMINISTRATION & ENERGY SERVICES

DEPARTMENT DESCRIPTION

The Electric Administration & Energy Services Departments operate, maintain, and constructs an energy delivery system comprised of overhead and underground feeders, and their branch circuits for over 23,000 electric customers. These Departments manage all major assets related to the distribution of electric services. The PUCT (Public Utility Commission of Texas), ERCOT (Energy Reliability Council of Texas), and NERC (North American Electric Reliability Corporation) regulate these services.

GEORGETOWN UTILITY SYSTEM

ELECTRIC ADMINISTRATION
ENERGY SERVICES

35.5 FTEs
51.08 % OF FTE'S WITHIN
THIS FUND

MAJOR DEPARTMENT ACCOMPLISHMENTS FOR FY2015

- ✓ Updated the electric system mapping information to approximately an 85% level of accuracy.
- ✓ Continued the implementation of an Asset Management and Preventative Maintenance program.
- ✓ Established a formal maintenance program.
- ✓ Updated Lineman training program.

PRIMARY COUNCIL STRATEGIC GOALS



Notable Budget Items

Electric Operations
Maintenance Crew (4 FTE's)
Electric Scheduler/Planner
(1 FTE)
Electric Project Coordinator
(1 FTE)
Emergency Radio System
\$43,000

MAJOR DEPARTMENT GOALS & STRATEGIES FOR FY2016

- Ensure appropriate Energy Reliability Council of Texas (ERCOT) and Public Utility Commission of Texas (PUCT) standards for electric service. 🏠
- Operate and maintain the electric distribution system in a cost efficient and safe manner to deliver proper return on investments while offering the lowest possible rates to the community. 🏠
- Provide competitive service delivery and rates for customers located within areas serviced by other distribution providers. 🏠
- Participate in industry conferences associated with electric distribution for new process implementations. 🏠
- Increase staffing to allow the department to continue to offer superior customer service to the City's customers, vendors and employees. 🏠
- Implement initiatives to meet regulatory and customer demands while improving reliability and quality of service. 🏠
- Continue to improve Lineman training and safety program to maintain technical expertise and high safety standards. 🏠

DEPARTMENTAL BUDGET

	FY2014 Actual	FY2015 Budget	FY2015 Proj Actual	FY2016 Base	FY2016 Changes	FY2016 Budget
Electric Admin						
Personnel	158,533	265,525	167,451	206,993	76,895	283,888
Operations	1,604,722	1,300,025	1,390,740	1,201,331	19,774	1,221,105
Additional Ops Expenses*	6,262,528	6,924,387	7,215,638	6,584,313	-	6,584,313
Capital	-	-	-	-	-	-
Energy Services Sub-total	8,025,783	8,489,937	8,773,829	7,992,637	96,669	8,089,306
Energy Services						
Personnel	4,360,361	2,362,061	2,407,461	2,544,658	212,304	2,756,962
Operations	38,012,615	1,186,631	1,160,121	1,183,190	18,494	1,201,684
Capital	1,682,644	216,000	216,000	-	43,000	43,000
Energy Services Sub-total	44,055,620	3,764,692	3,783,582	3,727,848	273,798	4,001,646
Temporary AMI						
Personnel	53	-	-	-	-	-
Operations	187,150	50,000	50,000	50,000	84,000	134,000
Capital	-	-	-	-	-	-
Temporary AMI Sub-total	187,203	50,000	50,000	50,000	84,000	134,000
Total Dept Budget	\$ 52,268,606	\$ 12,304,629	\$ 12,607,411	\$ 11,770,485	\$ 454,467	\$ 12,224,952

* Additional Ops Expenses includes: General Fund Allocations, ISF Allocations, Franchise Fees, and Special Projects & Services

DEPARTMENTAL PERFORMANCE MEASURES

	FY2014 Actual	FY2015 Budget	FY2015 Proj Actual	FY2016 Base	FY2016 Changes	FY2016 Budget
Workload Measures						
1. Electric service customers	22,550	23,000	24,500	24,500	1,500	26,000
2. Annual electric sales (GWh)	565	582	582	582	20	602
3. Work orders completed	NA	6,000	7,000	7,000	500	7,500
Performance Measures						
1. Safety KPI - % (Meetings, Field Observations)	93%	90%	95%	90%	0%	90%
2. Service Quality KPI - % (ASIA, SAFI, SADI, CADI)	NA	NA	90%	90%	0%	90%
3. Operations KPI - % (Outages, on time completion)	NA	90%	90%	90%	0%	90%
4. Maintenance KPI - % (Maint. Aging, on time completion)	NA	90%	92%	90%	0%	90%

ELECTRIC ENGINEERING

DEPARTMENT DESCRIPTION

The Electric Engineering Department is responsible for overall project coordination, design, and construction of projects for the City's electric distribution and substation systems, as well as the Fiber network. The Department is also responsible for inter-departmental coordination of seamless customer service, management, and forecasting of the five-year CIP budget, and system master planning and performance.

GEORGETOWN UTILITY SYSTEM

ELECTRIC ENGINEERING

7 FTEs
 10.07% OF FTE'S WITHIN
 THIS FUND

MAJOR DEPARTMENT ACCOMPLISHMENTS FOR FY2015

- ✓ Oversee the deployment of the initial phase of EAM for Electric projects and material acquisition.
- ✓ Continued correction of the electric distribution system modeling and mapping to ensure a high level of accuracy.
- ✓ Effectively managed a departmental reorganization, and the creation the electric engineering and electric operations departments.
- ✓ Maintained the systems performance and ERCOT power factor requirements.
- ✓ Successfully launched the engineering and design tool into production with integration with EAM.
- ✓ Evaluated and assessed the needs for the new department moving forward with a long range staffing plan.

PRIMARY COUNCIL STRATEGIC GOALS



Notable Budget Items

Project Coordinator (1FTE)
 Phase Identification Tool
 \$13,920
 Holdover Pickup Truck
 \$34,587

MAJOR DEPARTMENT GOALS & STRATEGIES FOR FY2016

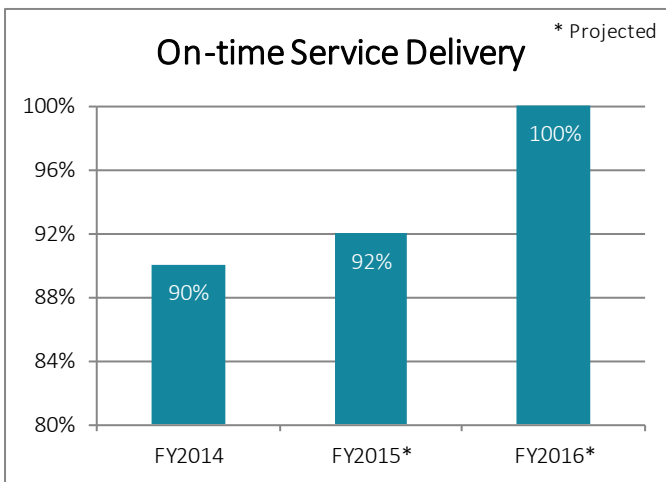
- Update the Utility Master Plans for the Electric Distribution, Substation Systems, and City Fiber Network. 🏠
- Integrate the engineering design software with the material management side of EAM. 🏠
- Continue to enhance design methods for lower costs to the City and Utility Customers. 🏠 🌱 📱 🏠
- Set standards for the maintenance of the electric distribution assets once integrated into EAM. 🏠
- Utilize preventive maintenance report data to develop maintenance strategies and asset replacement or rehabilitation schedules. 🏠
- Finalize and launch *Electric Service Guidelines and Specifications* to the public. 🏠
- Complete revisions and enhancements to the *Electric Distribution Construction Standards*. 🏠
- Maintain unit tables and material information in the engineering design software. 🏠
- Develop standardized material listings for the warehouse. 🏠
- Evaluate the City's extension policies for electric service delivery. 🏠

DEPARTMENTAL BUDGET

	FY2014 Actual	FY2015 Budget	FY2015 Proj Actual	FY2016 Base	FY2016 Changes	FY2016 Budget
Personnel	-	695,085	570,418	635,394	98,557	733,951
Operations	-	67,796	67,916	85,272	23,530	108,802
Capital	-	1,040,000	1,040,000	-	-	-
Total Departmental Budget	\$ -	\$ 1,802,881	\$ 1,678,334	\$ 720,666	\$ 122,087	\$ 842,753

DEPARTMENTAL PERFORMANCE MEASURES

	FY2014 Actual	FY2015 Budget	FY2015 Proj Actual	FY2016 Base	FY2016 Changes	FY2016 Budget
Workload Measures						
1. SD Designs to Construction	88	100	110	100	30	130
2. # CIP Projects Managed	17	16	19	16	2	18
3. # New Locations Served	23,000	23,500	24,300	23,500	3,300	26,800
4. # Pre-Apps Attended	208	312	400	312	100	412
Performance Measures						
1. On-time service delivery	90%	90%	92%	95%	5%	100%
2. Construction labor managed	\$ 1,580,000	\$ 2,900,000	\$ 3,200,000	\$ 2,900,000	\$ 300,000	\$ 3,200,000
3. Consultant engineering managed	\$ 1,200,000	\$ 1,300,000	\$ 1,300,000	\$ 1,300,000	\$ 200,000	\$ 1,500,000
3. Safety meetings attended	52	26	26	26	-	26



On-time Service Delivery is the most important measure because meeting customers' needs and wants helps ensure customer satisfaction and quality customer service. This is a goal set by the Department as a best practice standard that benefits the Council and the City as a whole, through increased Economic Development and Electric Fund Revenues.

RESOURCE MANAGEMENT

DEPARTMENT DESCRIPTION

Resource Management is responsible for resource planning, procurement, hedging, and settlements for the Electric and Water Utilities. The Department engages in retail electric load and water demand forecasting and commodity market tracking. Additionally, the Department manages the wholesale power and raw water contracts, purchases, hedges, and settlements.

Resource Management also provides rate analysis in support of setting utility and transportation rates, as well as impact fees.

GEORGETOWN UTILITY SYSTEM

RESOURCE MANAGEMENT

2 FTEs
 2.88% OF FTE'S WITHIN
 THIS FUND

MAJOR DEPARTMENT ACCOMPLISHMENTS FOR FY2015

- ✓ Executed a long term Power Purchase Agreement with SunEdison Inc. to provide 150 MW of solar power for 25 years beginning in 2017.
- ✓ Established the Georgetown Utility Systems as a 100% renewable energy utility beginning in 2017.
- ✓ Completed an update to the Water and Wastewater Utility Impact Fees.
- ✓ Provided financial analysis and support in restoring the Airport to fiscal stability.
- ✓ Provided financial analysis and support for numerous agreements in several major development negotiations.
- ✓ Provided financial analysis and support for the launch of the new EMS program under the Fire Department.

PRIMARY COUNCIL STRATEGIC GOALS



MAJOR DEPARTMENT GOALS & STRATEGIES FOR FY2016

- Develop and execute new supply strategy for managing around the variability of renewable energy supply sources. 🏭
- Establish Key Account relations. 📊
- Create automated budgetary/operations reports. 📄
- Cultivate marketing partners for wholesale power sales, and for leveraging demand response technology. 🏭
- Conduct comprehensive review of wastewater rates in relation to newly adopted impact fees and impending CIP changes. 🏭
- Review and support related to costs of MS4 permits on stormwater rates and requirements. 🏭

DEPARTMENTAL BUDGET

	FY2014 Actual	FY2015 Budget	FY2015 Proj Actual	FY2016 Base	FY2016 Changes	FY2016 Budget
Personnel	-	330,264	252,598	248,487	-	248,487
Operations	-	66,110	(14,203)	66,110	-	66,110
Purchased Power	-	37,073,038	37,073,038	34,000,000	-	34,000,000
Capital	-	-	-	-	-	-
Total Department Budget	\$ -	\$ 37,469,412	\$ 37,311,433	\$ 34,314,597	\$ -	\$ 34,314,597

AWARDS/ACCREDITATIONS

Public Service Innovation Team Award from the CenTex Chapter of the American Society of Public Administration in recognition of the City's contracts to move to 100 percent renewable energy in 2017.



ELECTRIC SYSTEM OPERATIONS

DEPARTMENT DESCRIPTION

System Operations is the Control Center for GUS. Using SCADA and specialized programs, this Department monitors and operates the Utility systems on a 24/7 basis. The Department receives all work requests and either dispatches on-call field staff in Electric or Water Operations or passes lower priority work to operations planner/schedulers. After normal business hours, this Department takes on the role of Customer Care to resolve equipment issues reported by customers. In addition, this Department conducts all infrastructure locates required as part of the One-call system.

GEORGETOWN UTILITY SYSTEM

ELECTRIC SYSTEM OPERATIONS

13 FTEs
 18.71% OF FTE'S WITHIN
 THIS FUND

MAJOR DEPARTMENT ACCOMPLISHMENTS FOR FY2015

- ✓ Became the clearing house for Infor tickets generated by Customer Care.
- ✓ Established operating procedures for the seamless merger Chisolm Trail Special Utility District.
- ✓ Increased operating control of the Utility.

PRIMARY COUNCIL STRATEGIC GOALS



MAJOR DEPARTMENT GOALS & STRATEGIES FOR FY2016

- Improve operational procedures as needed for the Utility. 🏠
- Add personnel to accommodate increased operational hours and to enhance service quality during normal and emergency operations. 🏠

Notable Budget Item

System Control Center
 Staffing (3 FTE's)

DEPARTMENTAL BUDGET

	FY2014 Actual	FY2015 Budget	FY2015 Proj Actual	FY2016 Base	FY2016 Changes	FY2016 Budget
Personnel	-	754,873	754,873	779,477	313,650	1,093,127
Operations	-	26,115	51,375	51,375	10,210	61,585
Capital	-	-	-	-	-	-
Total Departmental Budget	\$ -	\$ 780,988	\$ 806,248	\$ 830,852	\$ 323,860	\$ 1,154,712

DEPARTMENTAL PERFORMANCE MEASURES

	FY2014 Actual	FY2015 Budget	FY2015 Proj Actual	FY2016 Base	FY2016 Changes	FY2016 Budget
Workload Measures						
1. Utility Service Customers	48,000	49,500	50,000	50,000	3,000	53,000
2. Radio Calls	20,000	22,000	22,000	22,000	1,000	23,000
3. Utility Locates	9,600	12,000	14,000	14,000	2,000	16,000
4. Work Orders Completed (Pri 1)	NA	2,000	2,500	2,500	500	3,000
Performance Measures						
1. Safety KPI - % (Utility operations orders)	NA	90%	95%	90%	0%	90%
2. Service Quality KPI - % (Utility combined)	NA	90%	90%	90%	0%	90%
3. Operations KPI - % (Locates, on time completion)	98%	90%	95%	90%	0%	90%

ELECTRIC TECHNICAL SERVICES

DEPARTMENT DESCRIPTION

Technical Services is comprised of Metering and Supervisory Control and Data Acquisition (SCADA). This Department is responsible for the operation and maintenance of the SCADA system, fiber and radio networks, the Advanced Metering Infrastructure (AMI), and individual meter service points. The system is in control of electric substations, water treatment plants, wastewater treatment plants, lift stations, elevated storage tanks, pump stations, and individual customer meters.

GEORGETOWN UTILITY SYSTEM

ELECTRIC TECHNICAL SERVICES

12 FTEs
 17.27% OF FTE'S WITHIN
 THIS FUND

MAJOR DEPARTMENT ACCOMPLISHMENTS FOR FY2015

- ✓ Expanded the fiber optic data and utility networks to connect City-owned facilities and metering network.
- ✓ Completed the installation of the Utility Advanced Metering Infrastructure (AMI) System.
- ✓ Continued the replacement of older wireless communication system with broadband capable wireless system.

PRIMARY COUNCIL STRATEGIC GOALS



MAJOR DEPARTMENT GOALS & STRATEGIES FOR FY2016

- Maintain required levels of NERC, ERCOT, PUCT, AWWA, and TCEQ standards for utility service to the community and maintain appropriate levels of service to the customer. 🏠
- Provide systems to allow the Utility system to be operated in a cost effective manner. 🏠
- Support utility and transportation field operations staff to achieve their department goals. 🏠
- Grow the fiber optic data and utility networks to connect additional city-owned facilities per the Fiber Master Plan, and monitor and control city-operated traffic signal lights. 🏠
- Enhance the control functions of the SCADA system. 🏠
- Continue the implementation/revisions of the SCADA system as prescribed in the master plan. 🏠
- Expand the installation of broadband capable wireless system. 🏠

DEPARTMENTAL BUDGET

	FY2014 Actual	FY2015 Budget	FY2015 Proj Actual	FY2016 Base	FY2016 Changes	FY2016 Budget
Personnel	-	974,712	861,889	1,014,334	-	1,014,334
Operations	-	284,192	277,832	277,832	-	277,832
Capital	-	(108,000)	108,000	108,000	-	108,000
Total Departmental Budget	\$ -	\$ 1,150,904	\$ 1,247,721	\$ 1,400,166	\$ -	\$ 1,400,166

DEPARTMENTAL PERFORMANCE MEASURES

	FY2014 Actual*	FY2015 Budget	FY2015 Proj Actual	FY2016 Base	FY2016 Changes	FY2016 Budget
Workload Measures						
1. Utility service customers	N/A	49,500	50,000	50,000	3,000	53,000
2. SCADA remotes	N/A	89	90	90	2	92
3. Work orders completed (Metering and SCADA)	N/A	20,000	25,000	25,000	5,000	30,000
Performance Measures						
1. Safety KPI - % (Meetings, Field observations)	N/A	90.0%	90%	90%	0%	90%
2. Service quality KPI - % (On time completion, read accuracy)	N/A	90%	90%	90%	0%	90%
3. Maintenance KPI - % (Maint. Aging, on time completion)	N/A	90%	90%	90%	0%	90%

* the Electric Technical Services department did not exist in FY2014, it was created as part of the GUS reorg that happened in FY2015.

WATER SERVICES FUND

The Water Services Fund is used to account for the revenues generated from operating and maintenance activities related to the Water, Wastewater, and Irrigation utilities. Each of these utility services is tracked separately within this fund to ensure the rate and rate design will fully recover the cost of providing each service.

Expenses include debt service payments, capital costs, and the transfers out to the General Fund per the City's return on investment (ROI) policy.

FISCAL YEAR 2015

Total revenues are projected to be \$49,900,803, 6.82% higher than the current budget. The higher than expected revenue is primarily the result of higher than expected impact fees. Two developments that are outside the City paid their impact fees in a lump sum at the time of platting.

Total expenditures are projected to be \$53,166,810, 2.86% less than the current budget. Most departments are expected to finish the current fiscal year within budget.

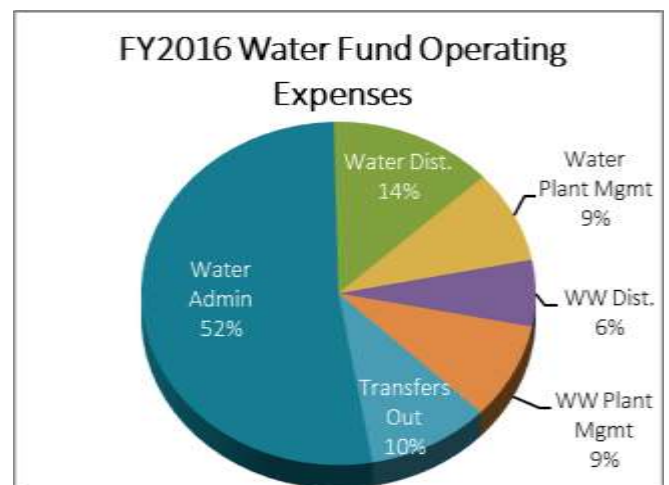
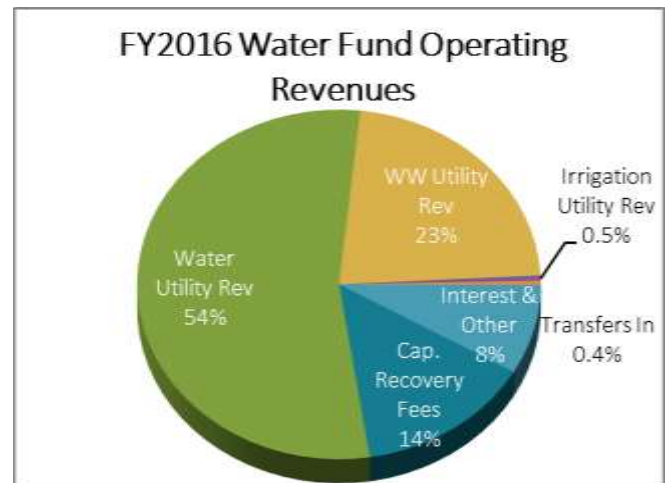
Total fund balance is projected to be \$34,385,214 as of September 30, 2015, which is equal to 118% of operating expenditures. This is greater than the policy requirements of 25% or \$7,086,012, but includes reserved debt funds not yet expensed. Fund balance over the policy required contingency is available to fund non-recurring expenditures and is expected to be used to cash fund CIP projects in FY2016.

FISCAL YEAR 2016

Budgeted revenues total \$48,461,160. Overall, revenues are projected to decline by 2.89%. The decline is a result of lower bond proceeds and less impact fee revenue, as prepaid impact fees are not budgeted. Base revenue growth, of approximately 6%, is still expected as new customers are added. The chart to the right identifies Water Services Fund revenues by source.

Budgeted expenses total \$63,353,367, which represents an increase of 19.15% over FY2015 projections.

The increase is primarily due to new CIP projects, as well as recommended enhancements for FY2016. The largest change to the fund this fiscal year is to bring the Water and Wastewater treatment plant operations and maintenance in-house. It is expected this move will result in a savings of over \$5M in operating costs over the next 5 years. In-house operations include the addition of 15 FTE's. The other major enhancement in FY2016 is the selection and implementation of a new billing system (CIS).



WATER FUND INCOME STATEMENT

	FY2014 Actual	FY2015 Budget	FY2015 Proj. Actual	FY2016 Base	FY2016 Changes	FY2016 Budget
Beginning Fund Balance	22,516,039	27,729,235	37,651,221	34,385,214	-	34,385,214
Operating Revenue						
Capital Recovery Fees	4,127,394	3,994,600	5,628,570	5,945,574	-	5,945,574
Water Utility Revenues	17,310,379	21,323,646	21,974,230	22,640,000	-	22,640,000
Wastewater Utility Revenues	8,678,320	8,899,988	9,125,625	9,399,394	-	9,399,394
Irrigation Utility Revenues	209,415	575,000	198,474	204,428	-	204,428
Transfer In	167,704	169,108	169,108	169,108	-	169,108
Interest	72,289	75,100	119,107	119,232	-	119,232
Other Revenue	2,564,675	3,031,960	4,069,831	3,341,051	-	3,341,051
Total Operating Revenues	33,130,176	38,069,402	41,284,945	41,818,787	-	41,818,787
Operating Expense						
Water Administration	9,146,593	12,199,425	11,696,433	15,735,574	58,540	15,794,114
Water Distribution	1,986,647	3,943,569	4,258,808	4,069,276	-	4,069,276
Water Plant Management	2,308,754	2,703,855	2,370,774	2,773,728	(55,988)	2,632,741
Sub-total Water Costs	13,441,994	18,846,849	18,326,015	22,578,578	2,553	22,496,131
Wastewater Distribution	1,598,118	1,819,573	1,798,281	1,891,090	-	1,891,090
Wastewater Plant Management	2,143,676	2,592,481	2,570,659	2,670,631	62,475	2,733,106
Sub-total Wastewater Costs	3,741,794	4,412,054	4,368,940	4,561,721	62,475	4,624,196
Irrigation	184,379	297,896	299,325	308,386	-	308,386
Sub-total Irrigation Costs	184,379	297,896	299,325	308,386	-	308,386
Transfers Out	3,025,113	5,427,152	5,370,916	3,490,703	522,824	4,013,527
Total Operating Expense	20,393,280	28,983,951	28,365,196	30,939,388	587,851	31,442,239
Available Fund Balance	35,252,935	36,814,686	50,570,970	45,264,612		44,761,761
Policy Compliance (Op Revs - Op Exps)		9,085,451	12,919,749	10,879,399		10,376,548
Non-Operating Revenue						
Bond Proceeds	12,585,000	7,990,000	7,990,000	6,000,000	-	6,000,000
Special Improvement Fees	734,443	654,250	625,858	642,373	-	642,373
Total Non-Operating Revenue	13,319,443	8,644,250	8,615,858	6,642,373	-	6,642,373
Non-Operating Expense						
AMI System	315,242	-	-	-	-	-
Water CIP	8,349,463	10,807,800	10,854,550	13,238,000	-	13,238,000
Water Rollforward CIP						
Wastewater CIP	3,246,320	9,338,000	9,338,000	12,519,000	-	12,519,000
Wastewater Rollforward CIP						
Irrigation CIP						
Sub-total CIP	11,911,025	20,145,800	20,192,550	25,757,000	-	25,757,000
Water Debt Svc	1,800,360	2,507,663	2,566,555	2,792,746	-	2,792,746
Wastewater Debt Svc	1,887,177	1,807,220	1,807,220	1,652,636	-	1,652,636
Irrigation Debt Svc	145,456	129,733	129,733	129,652	-	129,652
Debt Service, New						
Bond Issuance Costs	71,277	117,500	105,556	60,000	-	60,000
Sub-total Debt Service	3,904,270	4,562,116	4,609,064	4,635,034	-	4,635,034
Total Non-Operating Expense	15,815,295	24,707,916	24,801,614	30,392,034	-	30,392,034
Ending Fund Balance	32,757,083	20,751,020	34,385,214	21,514,951		21,012,100
Adjustments & Reservations						
CAFR Adjustment (PY PO Release)	4,894,138	-	-	-	-	-
Reserved for Capital (Debt Proceeds)	12,585,000	10,000,000	20,000,000	10,500,000	-	10,500,000
Contingency	7,325,000	4,565,000	4,565,000	9,180,000	-	9,180,000
Available Fund Balance	17,741,221	6,186,020	9,820,214	1,834,951		1,332,100
Debt Compliance						
Coverage Compliance				14,370,102		14,390,075
CY Debt Service Requirement				4,635,034		4,635,034
Debt Coverage Ratio				3.10		3.10

WATER ADMINISTRATION & WATER SERVICES

DEPARTMENT DESCRIPTION

The Water Administration and Water Services Departments are responsible for the operation and maintenance of the infrastructure that provides potable water for over 33,000 customers in a 450 square mile area. The water infrastructure includes treatment plants, storage tanks, pumping stations, water distribution piping, valves, fire hydrants, and meters. Department activities are regulated by the Texas Commission on Environmental Quality (TCEQ), Public Utility Commission (PUC), and the Environmental Protection Agency (EPA).

GEORGETOWN UTILITY SYSTEM

WATER ADMINISTRATION
 WATER SERVICES

36 FTEs
 60.5% OF FTE'S WITHIN
 THIS FUND

MAJOR DEPARTMENT ACCOMPLISHMENTS FOR FY2015

- ✓ Negotiated amendment to Operations and Maintenance agreements with Water contract operations.
- ✓ Integrated Chisholm Trail Special Utility District (CTSUD) personnel and operations into Georgetown Utility System (GUS).
- ✓ Incorporated water main upgrades with street projects to improve service and minimize damage to new streets.
- ✓ Updated the *Water Services Qualifications* manual to refine training requirements for staff advancement.
- ✓ Continued implementation of standardized procedure format and created procedures for essential activities.
- ✓ Completed implementation of Computerized Maintenance Management System (CMMS-Infor EAM).
- ✓ Evaluated in-sourcing of Plant Operations.
- ✓ Negotiated and executed Jonah Water Resource Exchange.

PRIMARY COUNCIL STRATEGIC GOALS



MAJOR DEPARTMENT GOALS & STRATEGIES FOR FY2016

- Maintain an adequate supply of water to allow for future growth of the community. 🏠
- Meet or exceed EPA and TCEQ standards for water service (pressure, flow, and water quality). 🏠
- Expand the water system to provide water service throughout our franchise area. 🏠
- Operate and maintain the system in a cost efficient manner to provide the lowest possible service rates to our customers. 🏠
- Continued leak detection program to reduce water loss. 🏠
- Develop plant operator training and progression. 🏠
- Transition Plant Operations from contracted operations to internal operations. 🏠
- Refine preventative maintenance program to reduce equipment

Notable Budget Item(s)

Water Plant O&M
 (6.5 FTE's)

DEPARTMENTAL BUDGET

	FY2014 Actual	FY2015 Budget	FY2015 Proj Actual	FY2016 Base	FY2016 Changes	FY2016 Budget
Water Administration						
Personnel	96,191	682,320	485,822	227,131	-	227,131
Operations	9,100,124	12,366,676	11,960,322	15,973,635	58,540	16,032,175
Capital	-	-	-	-	-	-
Water Admin Sub-Total	9,196,315	13,048,996	12,446,144	16,200,766	58,540	16,259,306
Water Distribution						
Personnel	1,249,669	1,999,711	1,913,944	2,045,144	-	2,045,144
Operations	686,511	1,059,287	1,339,731	1,303,839	-	1,303,839
Capital	833	35,000	255,422	255,101	-	255,101
Water Distribution Sub-Total	1,937,013	3,093,998	3,509,097	3,604,084	(55,988)	3,604,084
Water Plant Management						
Personnel	-	-	-	-	402,951	402,951
Operations	2,308,754	2,638,855	2,305,774	2,686,229	(543,939)	2,142,290
Capital	-	65,000	65,000	87,500	-	87,500
Water Plant Mgmt Sub-Total	2,308,754	2,703,855	2,370,774	2,773,729	(55,988)	2,632,741
Total Departmental Budget	\$ 13,442,082	\$ 18,846,849	\$ 18,326,015	\$ 22,578,579	\$ (53,436)	\$ 22,496,131

DEPARTMENTAL PERFORMANCE MEASURES

	FY2014 Actual	FY2015 Budget	FY2015 Proj Actual	FY2016 Base	FY2016 Changes	FY2016 Budget
Workload Measures						
1. Water service customers	21,900	22,400	33,500	33,500	1,800	35,300
2. Annual production (MG)	6,000	6,100	4,870	6,100	-300	5,800
3. Work orders completed	2,500	3,000	3,355	3,000	180	3,180
Performance Measures						
1. Safety KPI - % (Meetings, Field Observations)	93%	90%	95%	90%	0%	90%
2. Service Quality KPI - % (Pressure, Water Quality)	N/A	N/A	99%	90%	0%	90%
3. Operations KPI - % (Water Loss, Outages)	86%	90%	89%	90%	0%	90%
4. Maintenance KPI - % (Maint Aging, On-time completion)	N/A	90%	75%	90%	0%	90%

WASTEWATER SERVICES

DEPARTMENT DESCRIPTION

The Wastewater Department is responsible for the operation and maintenance of the infrastructure that provides wastewater for over 24,000 customers. The wastewater infrastructure includes treatment plants, pumping stations, manholes, and wastewater collection mains. This Department's activities are regulated by the Texas Commission on Environmental Quality (TCEQ) and the Environmental Protection Agency (EPA).

GEORGETOWN UTILITY SYSTEM

WASTEWATER SERVICES

22.5 FTEs
37.82% OF FTE'S WITHIN
THIS FUND

MAJOR DEPARTMENT ACCOMPLISHMENTS FOR FY2015

- ✓ Incorporated wastewater main repairs with street projects to improve service and minimize damage to new streets.
- ✓ Created a website to educate customers about the effects of fats, oil, and grease being introduced into the collection system.
- ✓ Evaluated the option of bringing plant operations and maintenance in house.
- ✓ Submitted the Sanitary Sewer Overflow Initiative Annual Report for TCEQ approval.
- ✓ Troubleshooting and resolution of long term mercury issue at Dove Springs.
- ✓ Northlands plant permit renewal.

PRIMARY COUNCIL STRATEGIC GOALS



MAJOR DEPARTMENT GOALS & STRATEGIES FOR FY2016

- Maintain or exceed all regulatory standards for wastewater service (discharge limits, system integrity). 🏠
- Operate and maintain the system in a cost efficient manner to provide for the lowest possible service rates for our customers. 🏠
- Expand the wastewater system to provide service and minimize the proliferation of septic systems. 🏠
- Continue lift station upgrades per the Sanitary Sewer Overflow (SSO) agreement with the TCEQ. 🏠
- Implement Industrial Pretreatment Program when required by TCEQ. 🏠
- Continue data collection for implementation of EARZ within the asset management program. 🏠
- Develop plant operator training and progression. 🏠
- Transition Plant Operations to City staff. 🏠
- Refine preventative maintenance program to reduce equipment failures. 🏠

Notable Budget Item(s)

Wastewater Plant O&M
(8.5 FTE's)

DEPARTMENTAL BUDGET

	FY2014 Actual	FY2015 Budget	FY2015 Proj Actual	FY2016 Base	FY2016 Changes	FY2016 Budget
Wastewater Operations						
Personnel	1,042,429	1,151,543	1,125,332	1,213,741	-	1,213,741
Operations	521,145	618,030	622,949	627,349	-	627,349
Capital	34,544	50,000	50,000	50,000	-	50,000
WW Ops Sub-Total	1,598,118	1,819,573	1,798,281	1,891,090	-	1,891,090
Wastewater Plant Management						
Personnel	-	-	-	-	505,461	505,461
Operations	2,143,676	2,567,481	2,545,659	2,620,632	(492,987)	2,127,645
Capital	-	25,000	25,000	100,000	-	100,000
WW Plant Mgmt Sub-Total	2,143,676	2,592,481	2,570,659	2,720,632	12,474	2,733,106
Total Departmental Budget	\$ 3,741,794	\$ 4,412,054	\$ 4,368,940	\$ 4,611,722	\$ 12,474	\$ 4,624,196

DEPARTMENTAL PERFORMANCE MEASURES

	FY2014 Actual	FY2015 Budget	FY2015 Proj Actual	FY2016 Base	FY2016 Changes	FY2016 Budget
Workload Measures						
1. Wastewater service customers	21,000	22,500	24,500	24,500	1,000	25,500
2. Wastewater treated (MG)	1,650	1,650	1,625	1,625	65	1,690
3. Work orders completed	1,300	2,000	3,600	3,600	145	3,745
Performance Measures						
1. Safety KPI - % (Meetings, Field Observations)	93%	90%	95%	90%	0%	90%
2. Service Quality KPI - % (Chokes, Odor)	N/A	N/A	99%	90%	0%	90%
3. Operations KPI - % (SSOs, I&I)	N/A	N/A	89%	90%	0%	90%
4. Maintenance KPI - % (Maint Aging, On-time completion)	N/A	90%	75%	90%	0%	90%

REUSE IRRIGATION

DEPARTMENT DESCRIPTION

The Reuse/Irrigation Department is responsible for the operation and maintenance of infrastructure that distributes reuse irrigation water to five major irrigation customers. Reuse Irrigation infrastructure includes storage tanks, pumping stations, piping, and valves. The Department activities are regulated by the Texas Commission on Environmental Quality (TCEQ) and the Environmental Protection Agency (EPA).

GEORGETOWN UTILITY SYSTEM

REUSE IRRIGATION

1 FTE
 1.68% OF FTE'S WITHIN
 THIS FUND

MAJOR DEPARTMENT ACCOMPLISHMENTS FOR FY2015

- ✓ Completed leak detection and repaired the distribution line.
- ✓ Finished valve maintenance at the Irrigation pump stations.
- ✓ Developed customer contact operating procedure.

PRIMARY COUNCIL STRATEGIC GOALS



MAJOR DEPARTMENT GOALS & STRATEGIES FOR FY2016

- Meet or exceed TCEQ standards for Reuse Irrigation service (water quality). 🏠
- Operate and maintain the system in a cost effective manner to provide for the lowest possible service rates for our customers. 🏠
- Evaluate equipment operating history and make upgrades to lower costs and improve performance. 🏠
- Continue to work with reuse customers to move towards the utilization of reuse water in the common areas which are currently being served with potable water. 🏠
- Investigate bulk water delivery stations to utilize reuse water for construction. 🏠
- Review reuse rates and make recommendations as needed. 🏠

DEPARTMENTAL BUDGET

	FY2014 Actual	FY2015 Budget	FY2015 Proj Actual	FY2016 Base	FY2016 Changes	FY2016 Budget
Personnel	66,554	69,852	71,250	74,811	-	74,811
Operations	117,825	228,044	228,075	233,575	-	233,575
Capital	-	-	-	-	-	-
Total Departmental Budget	\$ 184,379	\$ 297,896	\$ 299,325	\$ 308,386	\$ -	\$ 308,386

DEPARTMENTAL PERFORMANCE MEASURES

	FY2014 Actual	FY2015 Budget	FY2015 Proj Actual	FY2016 Base	FY2016 Changes	FY2016 Budget
Workload Measures						
1. Annual production (MG)	300	325	325	325	0	325
Performance Measures						
1. Safety KPI - % (Meetings, Field Observations)	93%	90%	95%	90%	0%	90%
2. Operations KPI - % (Outages)	N/A	N/A	95%	90%	0%	90%

FIVE-YEAR FUND PROJECTIONS

Electric and Water Revenues:

- Calculated on a five-year rolling average of per capita consumption in order to hedge against variations in weather conditions.
- Growth estimates are based upon building permits, expected build out of subdivisions and other planning and development activity.
- Assumes a 3% peak load growth for Electric through the next five years, as the City's southern electric service area continues to develop.
- Assumes a 1 - 2% customer growth for Water for the next five years.

ELECTRIC FUND

	FY2017 Proj. Budget	FY2018 Proj. Budget	FY2019 Proj. Budget	FY2020 Proj. Budget	FY2021 Proj. Budget
Beginning Fund Balance	9,797,463	16,640,425	24,216,689	31,831,625	40,961,709
Operating Revenue					
Electric Revenues	65,970,000	68,278,950	70,668,713	73,142,118	75,702,092
Interest	17,925	17,925	17,925	17,925	17,925
Other Revenue	1,732,350	1,800,000	1,800,000	1,800,000	1,800,000
Interfund Transfers/Shared Svcs	-	-	-	-	-
Total Operating Revenue	67,720,275	70,096,875	72,486,638	74,960,043	77,520,017
Operating Expense					
Georgetown Utility Systems	16,039,771	16,601,163	17,182,204	17,783,581	18,406,006
Operating Capital Improvements	108,000	108,000	108,000	108,000	108,000
Purchased Power	32,000,000	32,000,000	33,120,000	34,279,200	35,478,972
CRR Credits	-	-	-	-	-
AMI Implementation	134,000	-	-	-	-
Transfer Out - GCP	5,310,446	5,490,490	5,676,836	5,869,704	6,069,322
Total Operating Expense	53,592,217	54,199,653	56,087,040	58,040,485	60,062,300
Available Fund Balance	23,925,521	32,537,647	40,616,287	48,751,183	58,419,426
Policy Compliance (Operating Re	14,128,058	15,897,222	16,399,598	16,919,558	17,457,717
Non-Operating Revenue					
Bond Proceeds	1,500,000	-	-	-	-
Total Non-Operating Revenue	1,500,000	-	-	-	-
Non-Operating Expenses					
One-Time Programs	-	-	-	-	-
Capital Improvements	5,296,000	4,608,000	5,268,000	4,673,000	5,000,000
AMI/FIS System	-	-	-	-	-
Rollforward CIP	-	-	-	-	-
Debt Payments	3,472,296	3,712,959	3,516,662	3,116,474	2,901,427
Debt Payments - New Debt	-	-	-	-	-
Debt Issuance Costs	16,800	-	-	-	-
Total Non-Operating Expense	8,785,096	8,320,959	8,784,662	7,789,474	7,901,427
Ending Fund Balance	16,640,425	24,216,689	31,831,625	40,961,709	50,517,999
Adjustment and Reservations					
CAFR Adjustment	-	-	-	-	-
Rate Stabilization/Credit Reserve	6,000,000	12,000,000	20,000,000	24,000,000	24,000,000
Contingency	6,215,000	6,215,000	6,215,000	6,215,000	6,215,000
Available Fund Balance	4,425,425	6,001,689	5,616,625	10,746,709	20,302,999
Debt Compliance					
Coverage Compliance	19,449,286	21,398,494	22,087,216	22,800,044	23,537,821
CY Debt Service Requirement	3,489,096	3,712,959	3,516,662	3,116,474	2,901,427
Debt Coverage Ratio	5.57	5.76	6.28	7.32	8.11

WATER FUND

	FY2017	FY2018	FY2019	FY2020	FY2021
	Proj. Budget	Proj. Budget	Proj. Budget	Proj. Budget	Proj. Budget
Beginning Fund Balance	21,012,100	13,172,049	12,233,826	18,355,150	21,601,471
Operating Revenue					
Capital Recovery Fees	5,985,174	6,147,711	6,314,783	6,486,520	6,663,055
Water Utility Revenues	23,640,000	24,285,000	24,948,150	25,629,971	26,330,997
Wastewater Utility Revenues	9,681,376	9,971,817	10,270,972	10,579,101	10,896,474
Irrigation Utility Revenues	210,561	212,667	214,793	216,941	219,111
Transfer In	169,108	169,108	169,108	169,108	169,108
Interest	119,232	119,232	119,232	119,232	119,232
Other Revenue	3,358,961	3,402,568	3,446,812	3,491,702	3,537,250
Total Operating Revenues	43,164,412	44,308,103	45,483,850	46,692,575	47,935,227
Operating Expense					
Water Administration	15,822,882	16,258,284	16,705,963	17,166,270	17,639,570
Water Distribution	4,059,914	4,163,691	4,270,221	4,379,579	4,491,843
Water Plant Management	2,281,203	2,349,639	2,420,128	2,492,732	2,567,514
Sub-total Water Costs	22,163,999	22,771,614	23,396,312	24,038,582	24,698,927
Wastewater Distribution	1,891,090	1,947,823	2,006,257	2,066,445	2,128,438
Wastewater Plant Management	2,416,274	2,488,762	2,563,425	2,640,328	2,719,538
Sub-total Wastewater Costs	4,307,364	4,436,585	4,569,682	4,706,773	4,847,976
Irrigation	308,386	317,638	327,167	336,982	347,091
Sub-total Irrigation Costs	308,386	317,638	327,167	336,982	347,091
Transfers Out	3,295,147	3,300,462	3,369,639	3,440,769	3,513,909
Total Operating Expense	30,074,896	30,826,299	31,662,800	32,523,105	33,407,903
Available Fund Balance	34,101,616	26,653,852	26,054,876	32,524,620	36,128,795
Policy Compliance (Op Revs - Op Exps)	13,089,516	13,481,804	13,821,050	14,169,470	14,527,324
Non-Operating Revenue					
Bond Proceeds	8,000,000	20,000,000	38,000,000	34,000,000	28,000,000
Special Improvement Fees	650,023	-	-	-	-
Total Non-Operating Revenue	8,650,023	20,000,000	38,000,000	34,000,000	28,000,000
Non-Operating Expense					
AMI System	-	-	-	-	-
Water CIP	13,353,000	14,547,000	21,079,000	15,355,000	12,000,000
Water Rollforward CIP	-	-	-	-	-
Wastewater CIP	11,571,000	14,029,000	17,364,000	19,537,000	20,000,000
Wastewater Rollforward CIP	-	-	-	-	-
Irrigation CIP	-	-	-	-	-
Sub-total CIP	24,924,000	28,576,000	38,443,000	34,892,000	32,000,000
Water Debt Svc	2,708,242	3,190,804	3,914,032	5,564,229	6,065,733
Wastewater Debt Svc	1,737,862	2,324,246	2,833,869	3,998,160	5,869,261
Irrigation Debt Svc	129,486	128,977	128,825	128,760	128,899
Debt Service, New	-	-	-	-	-
Bond Issuance Costs	80,000	200,000	380,000	340,000	280,000
Sub-total Debt Service	4,655,590	5,844,026	7,256,726	10,031,149	12,343,893
Total Non-Operating Expense	29,579,590	34,420,026	45,699,726	44,923,149	44,343,893
Ending Fund Balance	13,172,049	12,233,826	18,355,150	21,601,471	19,784,903
Adjustments & Reservations					
CAFR Adjustment (PY PO Release)	-	-	-	-	-
Reserved for Capital (Debt Proceeds)	-	-	-	-	-
Contingency	5,905,000	4,565,000	4,565,000	4,565,000	4,565,000
Available Fund Balance	7,267,049	7,668,826	13,790,150	17,036,471	15,219,903
Debt Compliance					
Coverage Compliance	16,384,663	16,782,266	17,190,689	17,610,239	18,041,233
CY Debt Service Requirement	4,655,590	5,844,026	7,256,726	10,031,149	12,343,893
Debt Coverage Ratio	3.52	2.87	2.37	1.76	1.46



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