



Annual Budget Report

October 1, 2017 - September 30, 2018



Front cover top, clockwise:

- 1.) *BPUB 2 million gallon water tower on Alton Gloor.*
- 2.) *BPUB employees install a 138 KV Insulator for Transmission Line.*
- 3.) *BPUB employees replace a 15 KV Distribution Switchgear on Price Road.*
- 4.) *BPUB employees replace a 30 inch Mag Meter at BPUB's Water Plant Number 1.*

Front cover bottom, from left to right:

- 1.) *BPUB employee demonstrates electrical lines.*
- 2.) *Connect to wellness community event coordinated with local HEB Food Store.*
- 3.) *I Love Resaca's community event coordinated with Gladys Porter Zoo.*

Brownsville Public Utilities Board

A Component Unit of the City of Brownsville, Texas

ANNUAL BUDGET REPORT

October 1, 2017 - September 30, 2018

Prepared by
Finance Department

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OVERVIEW



BOARD OF DIRECTORS
As of September 30, 2017

Rafael Vela..... Chair
 Rafael Chacon..... Vice-Chair
 Martin Arambula..... Secretary/Treasurer
 Nurith Galonsky..... Member
 Armando Magallanes..... Member
 Tino Villarreal..... Member
 Mayor Antonio Martinez..... Ex-Officio Member

BOARD ADMINISTRATION

John S. Bruciak, P.E. General Manager and Chief Executive Officer
 Fernando Saenz, P.E. Assistant General Manager and Chief Operating Officer
 Leandro G. García, CPA..... Chief Financial Officer

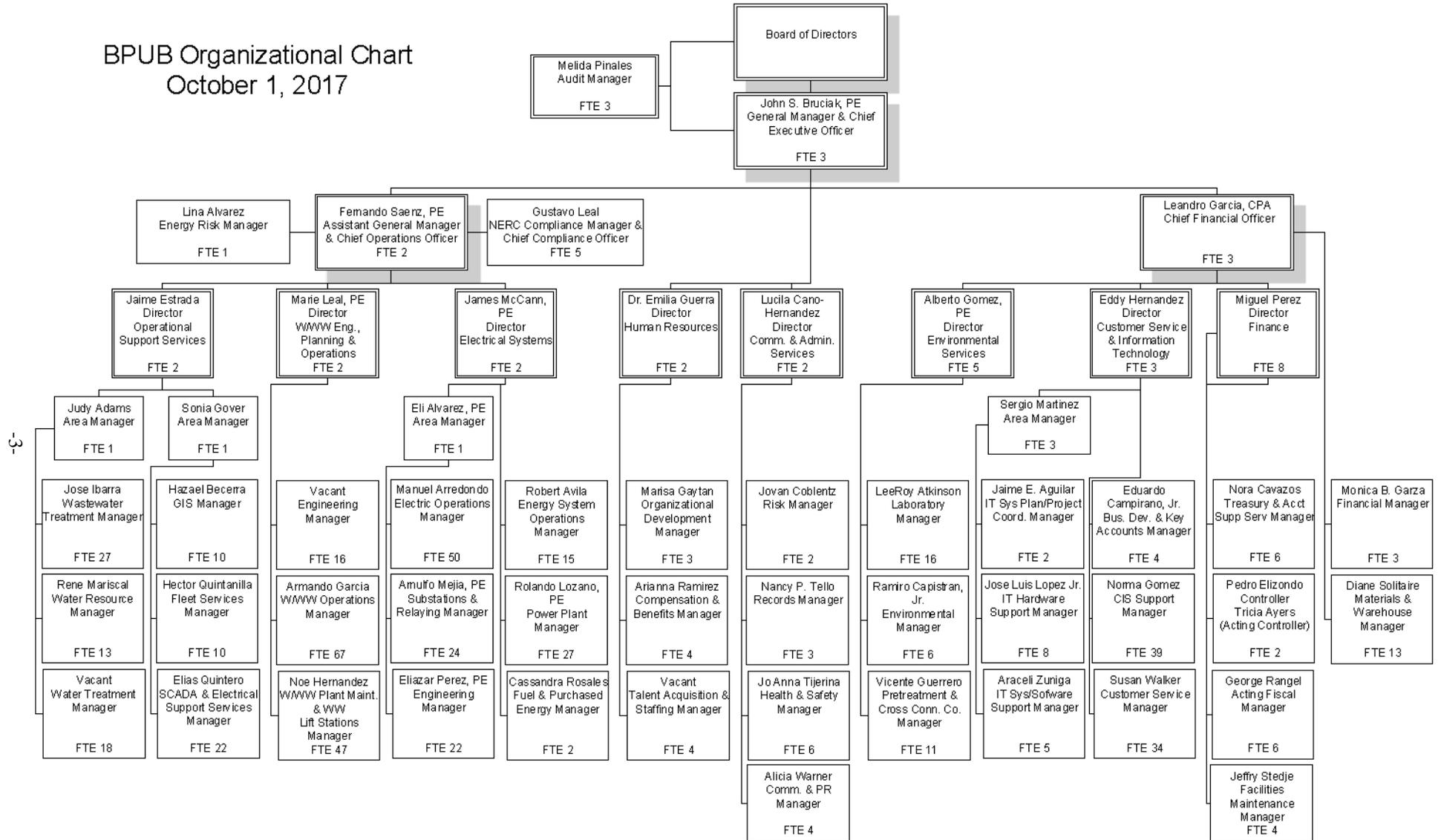
CITY OF BROWNSVILLE, TEXAS
 City Hall/Market Square
 P.O. Box 911
 Brownsville, Texas 78520
 Telephone: 956-548-6000

CITY COMMISSION

Antonio Martinez..... Mayor
 Cesar De Leon..... Commissioner, At-Large "A"
 Rose M.Z. Gowen, M.D..... Commissioner, At-Large "B"
 Ricardo Longoria, Jr. Commissioner, District 1
 Jessica Tetreau-Kalifa..... Commissioner, District 2
 Joel Munguia..... Commissioner, District 3
 Ben Neece..... Commissioner, District 4

BPUB Organizational Chart

October 1, 2017



General Manager & Chief Executive Officer

John S. Bruciak, P.E.

**Assistant General Manager &
Chief Operating Officer**

Fernando Saenz, P.E.

Chief Financial Officer

Leandro G. Garcia, CPA

Human Resources

Dr. Emilia Guerra
Director

Internal Audit

Melida Pinales
Manager

**Communications &
Administrative Services**

Lucila Cano-Hernandez
Director

Final Approved Positions

Department	Department Name	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Change from FY 2017 to FY 2018
1110	General Manager	5	4	3	3	3	0
1120	Internal Audit	3	3	3	3	3	0
1130	Communications & Admin Svc	2	2	2	2	2	0
1135	Communications & Public Relations	4	4	4	4	4	0
1140	Organizational Development	3	3	3	3	3	0
1165	Records Management	2	2	2	2	3	1
1440	Health & Safety	6	6	6	6	6	0
7120	Risk/Insurance Management	2	2	2	2	2	0
7140	Human Resources	9	9	6	2	2	0
7145	Talent Acquisition and Staffing	0	0	3	3	4	1
7155	Compensation & Benefits	0	0	0	4	4	0
	TOTAL	36	35	34	34	36	2

Note:

Changes in personnel counts from FY 2017 to FY 2018 are due to interdepartmental transfers.
No new positions in 2018 O&M Budget.

Assistant General Manager & Chief Operating Officer

Fernando Saenz, P.E.

W/WW Engineering, Planning & Operations

Marie C. Leal
Director

Electrical Systems

James McCann, P.E.
Director

Operational Support Services

Jaime Estrada
Director

Final Approved Positions

Department	Department Name	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Change from FY 2017 to FY 2018
1145	Electrical Systems	0	0	3	3	3	0
2110	Electric Trans & Dist Support Services	1	1	0	0	0	0
2120	Substations & Relaying	12	12	24	24	24	0
2130	Elec. T&D New Construction	31	31	28	28	28	0
2140	Elec. T&D Maintenance	31	31	22	22	22	0
2150	Energy Control Center Operations	14	14	15	15	15	0
2210	SCADA & Elec. Support Services	17	17	19	19	22	3
2220	Power Production	28	28	27	27	27	0
2310	Electric Meter Shop	8	8	8	8	8	0
2410	Electric Engineering	14	14	14	14	14	0
3110	W/WW Eng, Planning & Operations	2	2	2	2	2	0
3120	Water Plant I	9	9	10	10	10	0
3130	Water Plant II	9	9	8	8	8	0
3135	Resaca Maintenance	19	19	17	17	9	-8
3140	Raw Water Supply	4	4	4	4	4	0
3145	W/WW Plant Maintenance	13	13	13	13	13	0
3150	W/WW Operations & Construction	68	68	67	67	67	0
3210	South WW Treatment Plant	9	9	10	10	10	0
3220	Robindale WW Treatment Plant	12	12	11	11	17	6
3230	Wastewater Lift Stations	35	35	35	35	34	-1
3310	W/WW Engineering	21	21	16	16	16	0
4105	Operations	0	0	2	2	2	0
4110	Energy Risk Management	2	2	1	2	1	-1
4210	NERC Compliance	3	3	5	5	5	0
4220	Fuel & Purchased Energy Supply	1	1	2	1	2	1
4230	Natural Gas Utility Management	0	0	0	0	0	0
4310	Operational Support Services	2	2	4	4	4	0
7135	Geographic Info. Systems	13	13	11	11	10	-1
7150	Fleet Management	10	10	10	10	10	0
	TOTAL	388	388	388	388	387	-1

Note:

Changes in personnel counts from FY 2017 to FY 2018 are due to interdepartmental transfers.
No new positions in 2018 O&M Budget.

Chief Financial Officer
Leandro G. García, CPA

**Customer &
Information Services**

Eddy Hernandez
Director

Environmental Services

Alberto Gomez
Director

Accounting

Miguel A. Perez
Director of Finance

Finance

Monica B. Garza
Financial Manager

Purchasing/Warehouse

Diane Solitaire
Manager

**Treasury and Accounting
Support Services**

Nora Cavazos
*Treasury and Accounting
Support Services Manager*

Final Approved Positions

Department	Department Name	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Change from FY 2017 to FY 2018
1125	Key Account Marketing	6	6	5	5	4	-1
1410	Environmental Services	4	4	4	5	5	0
1420	Environmental Compliance	6	6	6	6	6	0
1422	Analytical Lab	16	16	16	16	16	0
1430	Pre-treatment	10	10	12	11	8	-3
1435	Cross Connection Control	0	0	0	0	3	3
5110	Finance	6	6	8	7	7	0
5120	Accounting	14	14	15	16	16	0
5130	Purchasing	6	6	7	7	7	0
5140	Revenue Recovery	3	3	3	3	3	0
6105	Customer & Information Services	3	3	3	3	3	0
6110	Customer Service	11	11	14	14	13	-1
6115	Collections	4	4	4	4	4	0
6120	Billing	7	7	8	7	8	1
6125	Call Center	10	10	11	11	12	1
6130	Meter Services	9	9	9	10	10	0
6135	CIS Support	3	3	3	3	3	0
6145	Energy Efficiency & Conservation	1	1	1	1	1	0
6150	Meter Reading	15	15	15	15	14	-1
6160	Cashiers	9	9	9	9	9	0
7110	Administrative Services	1	1	0	0	0	0
7130	Information Technology	18	18	17	17	18	1
7160	Facility Maintenance	4	4	4	4	4	0
7170	Warehouse	6	6	6	6	6	0
9110	Company-wide Expenses	3	3	0	2	1	-1
9150	Prior FY Encumbered Budget	0	0	0	0	0	0
	TOTAL	175	175	180	182	181	-1

Note:

Changes in personnel counts from FY 2017 to FY 2018 are due to interdepartmental transfers.
No new positions in 2018 O&M Budget.



December 1, 2017

We are pleased to present the Fiscal Year 2018 Budget of the Public Utilities Board of the City of Brownsville, Texas (Brownsville PUB). This budget funds the Brownsville PUB's three essential utility services: Electric, Water, and Wastewater. This document is the final step in a process that begins in May and extends until the budget is finally adopted in September. It is the culmination of many weeks and months of discussion and preparation by department heads, various staff members within those departments, the Executive Team and the Board of Directors. This Budget is submitted in accordance with Brownsville PUB policy and is comprised of the Revenue Budget, Operations & Maintenance Expense (O&M) Budget, Debt Service and Capital Budget. As required by policy, the document presents a balanced budget (i.e., expenses and transfers do not exceed revenues) of \$219.72 million. The budget has been prepared using the accrual basis of accounting. Revenues and expenses are subject to appropriation of the Brownsville PUB's enterprise fund. This budget supports our mission that by 2018, Brownsville PUB will be the foundation for our community's future by providing reliable infrastructure, competitive rates, and exceptional customer service.

The Brownsville PUB's FY 2018 Budget supports the Board's strategic goals, which are: to have the Necessary Infrastructure to Effectively Provide Reliable and Exceptional Service at Competitive Rates; Become the Employer of Choice; to have Key Processes Meet and Exceed Process Performance Measures; to Expand and Enhance Understanding of Brownsville PUB's Value to the Community and Communicate Board Management Decisions to Employees; have all Brownsville PUB employees Know, Understand, and "Live" the Core Values in their Daily Work Routines. All three utilities provide 24-hours-per-day/7 days-per-week/365 days-per-year operations and essential service delivery to meet our customers' electric, water and wastewater service needs. Without reducing services, we have prioritized funding to ensure system reliability, regulatory compliance, resource sustainability, health and safety, community benefits and jobs, as well as environmental stewardship.

The Budget is more than a projection of revenues and expenses for the upcoming year. The Budget is the financial guide for the operation of the Brownsville PUB during the upcoming fiscal year. The adoption of this document is one of the most significant actions taken by the Board annually. The Budget establishes the financial limits used to provide utility services to the Brownsville PUB customers. It serves as the ultimate guide for the General Manager & CEO and staff when planning, organizing and implementing the policies needed to provide safe, reliable service at the most economical rates possible.

The Revenue, O&M, Debt Service and Capital Budgets were presented and approved by the Board on September 15, 2017.

The City Commission adopted a five-year rate plan in 2012 that included increases sufficient to meet projected costs and debt coverage requirements. Rates were increased effective April 1, 2013, for the electric utility. Subsequent rate increases went into effect on October 1, 2013 and 2014 for all three utilities and on October 1, 2015 and 2016 for electric and water only.

The proposed O&M, Personnel and Capital Budgets have been thoroughly reviewed by Executive Management, Directors, Managers and Finance Staff. This group of personnel scrutinized each budget in detail with each Department Head and recommended changes, if appropriate.

The approved budget has a number of key decisions the Board considered as the budget was reviewed.

- **Operating Subaccount – Fuel Adjustment:** The approved budget includes \$25.50 million to serve as a customer bill reduction plan through the maintenance of the Fuel & Purchased Energy Charge at constant monthly levels.
- **Pay As You Go (PAYGO) – CIP Funding:** The approved budget includes \$6.91 million to fund Capital Improvement Projects with cash.

The budget policy, budget preparation process and budget preparation calendar are presented in additional detail on pages 30 through 33.

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FY 2018 BUDGET

The Budget for FY 2018 is divided into six major sections:

1. **OVERVIEW** – This section includes the following information:
 - a. Organizational Chart
 - b. Summary Letter
 - c. GFOA Distinguished Budget Presentation Award for FY Beginning 10/1/16
 - d. Budget Program
 - e. Budget Preparation Process & Procedures
 - f. Budget Preparation Calendar
 - g. Significant Policies
 - h. Total Combined Utility Requirements Chart
 - i. FY 2018 Uses of Funds Chart
 - j. FY 2018 Requirements as a Percent of Total Budget Chart
 - k. Budget Recap FY 2018 Revenues
 - l. FY 2018 Revenues - Utility Percent by Revenue Type Chart
 - m. O&M Expenses Recap by Type FY 2008 – FY 2018
 - n. O&M Expenses Recap by Department & Type – FY 2018
 - o. O&M Expenses Recap by Department FY 2014 – FY 2018
 - p. O&M Expenses Recap by Department FY 2018 Budget
 - q. FY 2018 Approved Budgeted Number of Positions by Division/Organization
 - r. Net Position Computation of Change in Net Position and Funds Available for Capital and Reserve Funds
 - s. Unit Sales Statistics
 - t. Outstanding Debt
 - u. Outstanding Principal Debt through Maturity - Graph
 - v. Debt Service
 - w. Debt Service Requirements by Fiscal Year
2. **REVENUES** – Contains the historical and forecasted revenues for each utility system, and discussion about revenue sources and trends.
3. **O&M EXPENSE BUDGET** – Contains the Operations & Maintenance Expenses summarized by Department, and by Account. Also included is a description of each department's major functions, accomplishments and performance measures.
4. **CAPITAL BUDGET** – Contains details of the funding sources and expenditures needed for facilities extensions, plant expansions and improvements, machinery, and vehicles.
5. **GRANTS** – Contains details of grants, funding agencies, grant amounts, and grant period.
6. **APPENDICES** – Contains a description of Brownsville PUB's Operations Expense Analysis by Account, maps of the Utility's service territory, a glossary and statistical section.

STRATEGIC PLAN

In 2008, Brownsville PUB launched the 2008-2013 Strategic Plan, which identified issues and strategies required to reach defined goals and to move the organization toward its Mission/Strategic Destination. For the past five years, the Strategic Plan has inspired stronger interdepartmental communication and cooperation, and increased employee involvement in Brownsville PUB's planning culture.

During 2012-2013, Brownsville PUB updated its Strategic Plan to identify the key issues that will influence the utility's efforts over the next five years. The updated Strategic Plan was presented to the Board of Directors in October 2013 and was adopted by the Board on December 9, 2013.

Brownsville PUB's Strategic Plan continues to promote strategies about the workforce, internal and external communications, and business processes that continue to be important areas in which to focus the utility's efforts. Issues identified in the updated strategic plan revolve around the Brownsville PUB infrastructure and corporate culture. The issues identified in the 2013-2018 Strategic Plan will support Brownsville PUB's Mission Statement of being the foundation for our community's future by providing reliable infrastructure, competitive rates, and exceptional customer service.

The following table summarizes each of Brownsville PUB's five priority issues, goals, and strategies as identified in the Strategic Plan for implementation.

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SUMMARY – ISSUES, GOALS & STRATEGIES

ISSUE	GOAL	STRATEGIES
1 We must address our growing infrastructure and business demands.	BPUB will have the necessary infrastructure to effectively provide reliable and exceptional service at competitive rates.	<ol style="list-style-type: none"> 1. Optimizing and integrating the use of technology increases efficiency. 2. Environmental stewardship enables the community to conserve resources. 3. Preventative maintenance programs improve quality and reliability. 4. A business plan builds the foundation for a successful natural gas utility system. 5. Adequate infrastructure provides reliable service, supports a growing community, and is in alignment with the Greater Brownsville Infrastructure Development Plan.
2 A skilled and knowledgeable workforce must be attracted, developed, and retained.	BPUB will become the employer of choice by offering competitive salaries, benefits, and career development plans for employees.	<ol style="list-style-type: none"> 1. Identifying and addressing employee needs retains a talented and skilled workforce. 2. A competitive compensation package supports employee recruitment and retention. 3. A competitive benefits package supports employee recruitment and retention. 4. A leading recruitment program attracts the most qualified workforce. 5. Effective HR systems increase the HR Department's productivity in attracting, retaining, and developing the workforce.
3 We must challenge how we work to improve our processes.	Key processes meet and exceed process performance measures.	<ol style="list-style-type: none"> 1. Creating an inventory of key processes builds the foundation for improved organizational performance. 2. Streamlining existing key processes improves efficiency and effectiveness. 3. Defining and documenting processes enhances organizational performance. 4. Implementing revised key processes enables consistency and increases work quality.
4 We must improve our communications.	BPUB will expand and enhance customer and stakeholder understanding of BPUB's value to the community. BPUB will communicate Board and Management decisions to help employees understand the reasoning behind those decisions and create an avenue for employees to provide feedback.	<ol style="list-style-type: none"> 1. Identifying our external audiences, methods, and messages will establish effective communications. 2. Effective and open internal communications improves employee relations and morale. 3. Making the most of every customer contact improves customer relations. 4. Sharing information with key stakeholders about issues, projects, and achievements improves their knowledge and support of BPUB. 5. Partnering and participating in community organizations and events promotes goodwill and enhances BPUB's image.
5 A value-driven corporate culture must be developed and maintained.	All BPUB employees know, understand and incorporate the core values in their daily work routines.	<ol style="list-style-type: none"> 1. Developing and maintaining a positive work culture and environment builds employee satisfaction and success. 2. Engaging leadership leads to sustainable cultural change. 3. Integrating our core values within our business practices drives cultural change.

UNIT SALES

Projected unit sales and revenues are predicated upon information and data provided by staff including actual detailed customer billing statistics and financial results from FY 2017 and prior years, and other pertinent records of operations.

Projected unit sales are as follows:

	Budget FY 2017	UNAUDITED Yr.-End FY 2017	Percent Difference	Approved FY 2018	Percent Difference FY 2018 vs. UNAUDITED Yr.-End
Electric (kWh)	1,316,823,240	1,353,312,494	2.77%	1,343,114,109	-0.75%
Water (1,000 gallons)	6,397,025	6,732,124	5.24%	6,435,910	-4.40%
Wastewater (1,000 gallons)	4,475,614	4,670,245	4.35%	4,537,961	-2.83%

REVENUES

The schedule below summarizes sales revenues excluding electric off-system sales revenues by utility system:

	Budget FY 2017	UNAUDITED Yr.-End FY 2017	Percent Difference	Approved FY 2018	Percent Difference FY 2018 vs. UNAUDITED Yr.-End
Electric	\$ 141,136,733	\$ 153,110,186	8.48%	\$ 149,409,700	-2.42%
Water	24,283,989	25,785,881	6.18%	25,512,125	-1.06%
Wastewater	22,135,194	22,935,129	3.61%	23,233,202	1.30%
Total Sales Revenues	\$ 187,555,916	\$ 201,831,196	7.61%	\$ 198,155,027	-1.82%

The schedule below summarizes total revenues by general category:

	Approved Budget FY 2018	Percent of Total	Approved Budget FY 2017	Percent of Total
Sales & Service To Customers	\$ 198,155,027	90.19%	\$ 187,555,916	91.08%
Off-System Sales Revenue	7,500,000	3.41%	6,000,000	2.91%
Interest From Investments	1,500,000	0.68%	800,000	0.39%
Other Operating & Non-Operating Revenues	12,563,656	5.72%	11,557,869	5.61%
Total Revenues	\$ 219,718,683	100.00%	\$ 205,913,785	100.00%

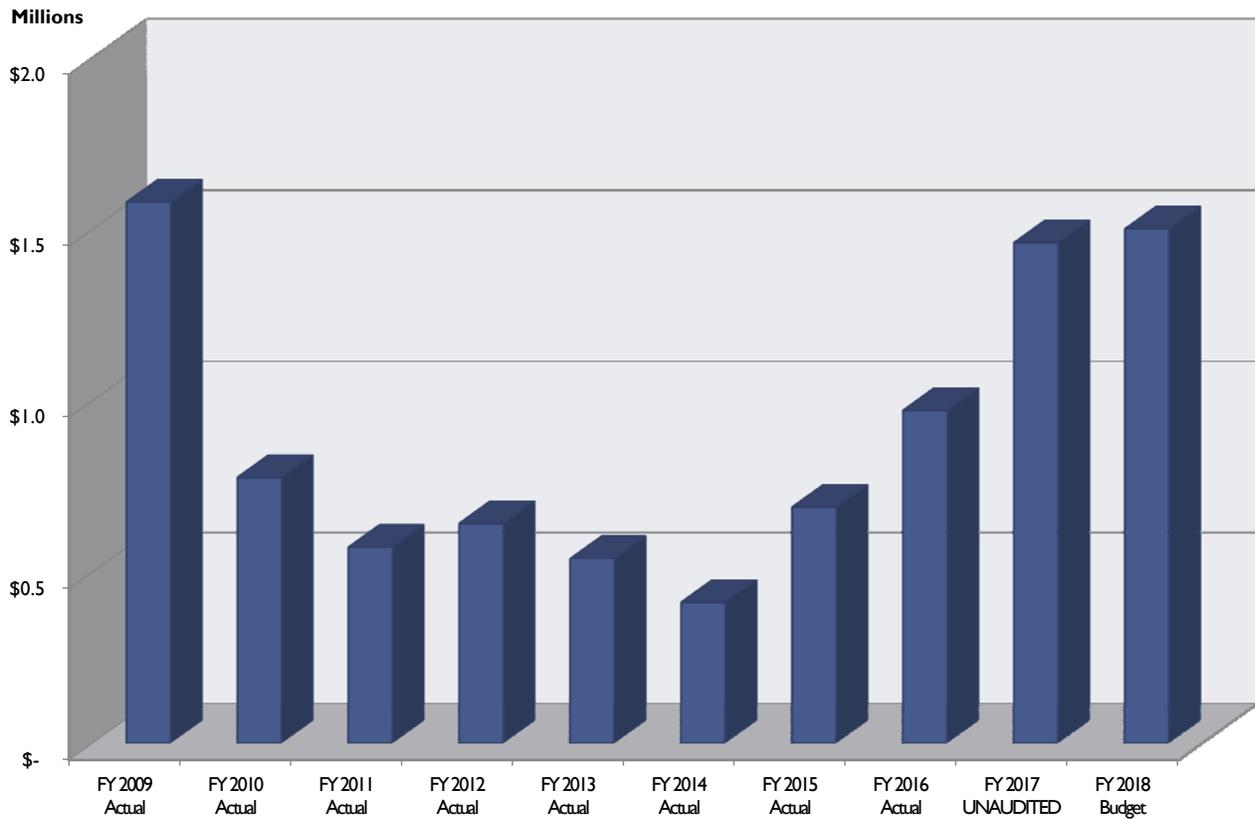
Projected electric unit sales in kilowatt hours are expected to decrease in FY 2018 from FY 2017 unaudited Year-end by 0.75%. Comparing the approved FY 2018 vs approved FY 2017 sales revenue budget, electric base and fuel revenues are expected to increase by 5.9%.

FY 2017 unaudited, year-end water revenues were 6.18% higher than FY 2017 approved budget projections. Compared to budgeted water revenues for FY 2017, water revenues for FY 2018 are expected to increase by 5.1%. Wastewater revenues will increase by 5.0% for FY 2018 approved budget compared to FY 2017 approved budget.

Investment Income

The following chart illustrates actual and budgeted utility investment earnings over the past several fiscal years. Investment income is projected to increase in FY 2018.

**Investment Income
(Dollars in Millions)**



Revenues are discussed in additional detail on pages 66 through 76.

RATES

The budget presented in this document has been prepared utilizing rate increases approved by the City Commission on December 17, 2012. The Board recommended and the City Commission approved a five-year rate plan. This budget reflects the implementation of all five year rate increases with the final increases going into effect on October 1, 2016.

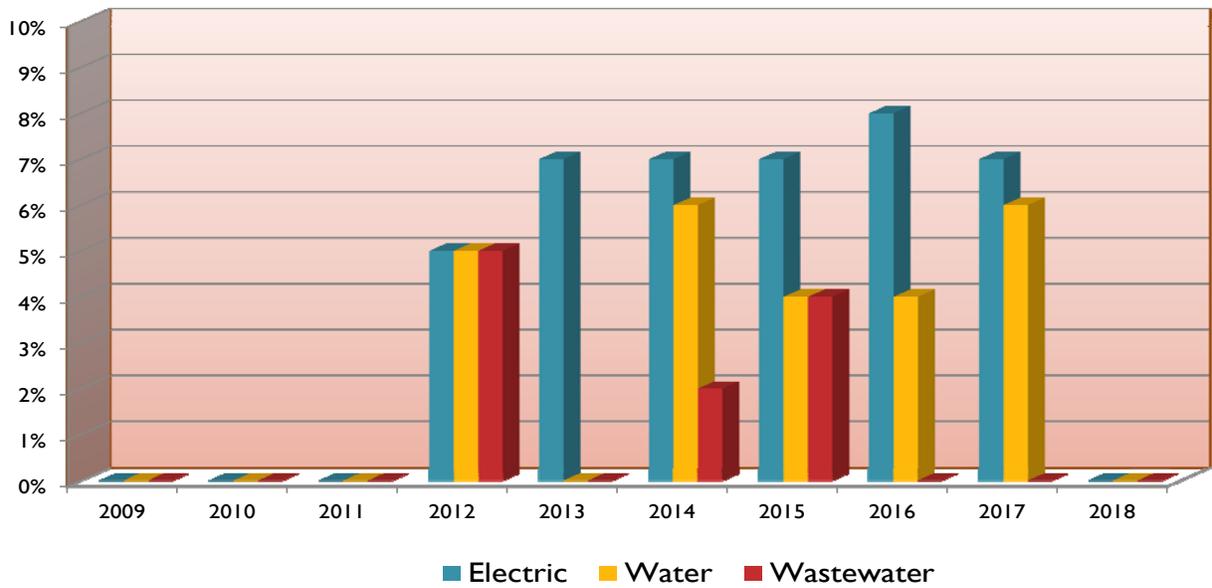
While affordability is always a concern, the rate increases implemented in previous years will allow the Brownsville PUB to continue investing in core service areas including energy reliability, water quality and wastewater treatment services.

We will compare revenues to spending on a continual basis to ensure that adequate operating requirements and reserves are maintained and improved.

Historical Rate Increases

The following charts illustrate utility rate increases over the last ten (10) years.

Historical Rate Increases Over 10 Years



**BASE RATE ADJUSTMENTS
SYSTEM RATE INCREASES - LAST TEN (10) YEARS**

FY	Electric	Water	Wastewater
2018	-	-	-
2017 ⁵	7.0%	6.0%	-
2016 ⁴	8.0%	4.0%	-
2015 ³	7.0%	4.0%	4.0%
2014 ²	7.0%	6.0%	2.0%
2013 ¹	7.0%	-	-
2012	5.0%	5.0%	5.0%
2011	-	-	-
2010	-	-	-
2009	-	-	-

⁵ Effective October 1, 2016

⁴ Effective October 1, 2015

³ Effective October 1, 2014

² Effective October 1, 2013

¹ Effective April 1, 2013

Residential Bill Averages

<u>Utility Service</u>	<u>Average Consumption</u>	<u>September 2015</u>	<u>September 2016</u>	<u>September 2017</u>
Electric	1,000 kWh	\$ 108.41	\$ 102.00	\$ 102.00
Water	10,000 gallons	\$ 30.73	\$ 31.96	\$ 33.84
Wastewater	8,000 gallons	\$ 35.25	\$ 35.25	\$ 35.25

OPERATIONS & MAINTENANCE EXPENSE BUDGET

PERSONNEL

The FY 2018 Personnel Budget includes seventeen reclassified positions compared to the Original FY 2017 Budget. The reclassifications did not increase or decrease the total position count as approved in the FY 2017 Budget.

The following is a summary of FY 2017 changes:

POSITIONS APPROVED FOR FY 2017 BUDGET 604

FY 2017 Deletions:

<u>Department</u>	<u>Department #</u>	
Key Account Marketing	1125	-1
Pre-Treatment	1430	-3
Resaca Maintenance	3135	-8
Wastewater Lift Stations	3230	-1
Customer Service	6110	-1
Meter Reading	6150	-1
GIS	7135	-1
Company-Wide Expenses	9110	-1
	Subtotal	-17

FY 2017 Additions:

<u>Department</u>	<u>Department #</u>	
Records Management	1165	1
Cross Connection Control	1435	3
SCADA & Electrical Support Services	2210	3
Robindale Wastewater Treat Plant	3220	6
Billing	6120	1
Call Center	6125	1
Information Technology	7130	1
Talent Acquisition and Staffing	7145	1
	Subtotal	17

POSITIONS APPROVED FOR FY 2018 BUDGET 604

ADDITIONAL POSITIONS APPROVED 0

POSITIONS APPROVED FOR FY 2018 BUDGET 604

The number of temporary full-time employees for FY 2018 is currently at 7 as illustrated on a separate schedule on page 18.

The approved Personnel Budget for FY 2017 totaled \$40,077,788, an increase of \$3,184,146 as compared to Personnel Budget expenses for FY 2016.

The approved Personnel Budget for FY 2018 totals \$40,173,257, an increase of \$95,472 or 0.24% from the Approved FY 2017 Personnel Budget.

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NUMBER OF FULL-TIME POSITIONS

DEPARTMENT	FINAL FY 2013	FINAL FY 2014	FINAL FY 2015	FINAL FY 2016	FINAL FY 2017	APPROVED FY 2018
1110 GENERAL MANAGER	4	5	4	3	3	3
1120 INTERNAL AUDIT	3	3	3	3	3	3
1125 KEY ACCOUNT MARKETING	3	6	6	5	5	4
1130 COMMUNICATIONS & ADMINISTRATIVE SVC	2	2	2	2	2	2
1135 COMMUNICATIONS & PUBLIC RELATIONS	3	4	4	4	4	4
1140 ORGANIZATIONAL DEVELOPMENT	3	3	3	3	3	3
1145 ELECTRICAL SYSTEMS	1	2	2	-	-	-
1150 BOARD OF DIRECTORS	-	-	-	-	-	-
1165 RECORDS MANAGEMENT	2	2	2	2	2	3
1410 ENVIRONMENTAL SERVICES	3	4	4	4	5	5
1440 HEALTH & SAFETY	6	6	6	6	6	6
4105 OPERATIONS	-	-	-	2	2	2
4310 OPERATIONAL SUPPORT SERVICES	-	-	-	2	2	2
5110 FINANCE	7	6	6	8	7	7
5120 ACCOUNTING	12	14	14	15	16	16
5130 PURCHASING	6	6	6	7	7	7
7110 ADMINISTRATIVE SERVICES	-	1	1	-	-	-
7120 RISK/INSURANCE MANAGEMENT	2	2	2	2	2	2
7130 INFORMATION TECHNOLOGY	16	18	18	17	17	18
7135 GIS	12	13	13	11	11	10
7140 HUMAN RESOURCES	8	9	9	6	2	2
7145 TALENT ACQUISITION AND STAFFING	-	-	-	3	3	4
7150 FLEET MANAGEMENT	9	10	10	10	10	10
7155 COMPENSATION & BENEFITS	-	-	-	-	4	4
7160 FACILITY MAINTENANCE	4	4	4	4	4	4
7170 WAREHOUSE	6	6	6	6	6	6
9110 COMPANY-WIDE EXPENSES	-	3	3	-	-	-
TOTAL ADMINISTRATIVE	112	129	128	125	126	127
5140 REVENUE RECOVERY	3	3	3	3	3	3
6105 CUSTOMER & INFORMATION SERVICES	3	3	3	3	3	3
6110 CUSTOMER SERVICE	10	11	11	14	14	13
6115 COLLECTIONS	4	4	4	4	4	4
6120 BILLING	7	7	7	8	7	8
6125 CALL CENTER	11	10	10	11	11	12
6130 METER SERVICES	9	9	9	9	10	10
6135 CIS SUPPORT	3	3	3	3	3	3
6150 METER READING	15	15	15	15	15	14
6160 CASHIERS	7	9	9	9	9	9
TOTAL CUSTOMER SERVICE	72	74	74	79	79	79
1145 ELECTRICAL SYSTEMS	-	-	-	3	3	3
1420 ENVIRONMENTAL COMPLIANCE	6	6	6	6	6	6
2110 ELECT TRANS & DIST SUPPORT SERVICES	-	1	1	-	-	-
2120 SUBSTATIONS & RELAYING	11	12	12	24	24	24
2130 ELEC TRANS & DIST NEW CONSTRUCTION	29	31	31	28	28	28
2140 ELEC TRANS & DIST MAINTENANCE	28	31	31	22	22	22
2150 ENERGY CONTROL CENTER OPERATIONS	13	14	14	15	15	15
2210 SCADA & ELECTRICAL SUPPORT SERVICES	23	17	17	19	19	22
2220 POWER PRODUCTION	25	28	28	27	27	27
2310 ELECTRIC METER SHOP	7	8	8	8	8	8
2410 ELECTRIC ENGINEERING	13	14	14	14	14	14
4105 OPERATIONS	-	1	2	-	-	-
4110 ENERGY RISK MANAGEMENT	-	2	2	1	1	1
4210 NERC COMPLIANCE	-	3	3	5	5	5
4220 FUEL & PURCHASED ENERGY SUPPLY	-	1	1	2	2	2
4230 NATURAL GAS UTILITY MANAGEMENT	-	-	-	-	-	-
4310 OPERATIONAL SUPPORT SERVICES	-	1	1	-	-	-
6145 ENERGY EFFICIENCY & CONSERVATION	1	1	1	1	1	1
TOTAL ELECTRIC	156	171	172	175	175	178
1422 ANALYTICAL LAB	13	16	16	16	16	16
1430 PRE-TREATMENT	9	10	10	12	11	8
1435 CROSS CONNECTION CONTROL	-	-	-	-	-	3
3110 W&WW ENG, PLANNING & OPERATIONS	4	2	2	2	2	2
3120 WATER PLANT I	8	9	9	10	10	10
3130 WATER PLANT II	9	9	9	8	8	8
3135 RESACA MAINTENANCE	11	19	19	17	17	9
3140 RAW WATER	3	4	4	4	4	4
3145 W/WW PLANT MAINTENANCE	13	13	13	13	13	13
3150 W/WW OPERATIONS & CONSTRUCTION	63	68	68	67	67	67
3210 SOUTH WASTEWATER TREAT PLANT	9	9	9	10	10	10
3220 ROBINDALE WASTEWATER TREAT PLANT	12	12	12	11	11	17
3230 WASTEWATER LIFT STATIONS	30	35	35	35	35	34
3310 WATER & WASTEWATER ENGINEERING	23	21	21	16	16	16
4310 OPERATIONAL SUPPORT SERVICES	-	1	1	2	2	2
9110 COMPANY-WIDE EXPENSES	-	-	-	-	2	1
TOTAL WATER AND WASTEWATER	207	228	228	223	224	220
OVERALL TOTAL NO. OF POSITIONS	547	602	602	602	604	604

NUMBER OF TEMPORARY FULL-TIME POSITIONS

DEPARTMENT	FINAL FY 2014	FINAL FY 2015	FINAL FY 2016	FINAL FY 2017	APPROVED FY 2018
1110 GENERAL MANAGER	1	1	-	-	-
1135 COMMUNICATIONS & PUBLIC RELATIONS	-	-	-	-	1
1165 RECORDS MANAGEMENT	-	-	1	1	-
1440 HEALTH & SAFETY	1	1	-	-	1
5120 ACCOUNTING	-	-	1	1	-
7120 RISK/INSURANCE MANAGEMENT	-	-	1	1	-
7135 GIS	1	1	-	-	-
7140 HUMAN RESOURCES	2	2	-	-	-
7145 TALENT ACQUISITION AND STAFFING	-	-	-	-	1
TOTAL ADMINISTRATIVE	5	5	3	3	3
6110 CUSTOMER SERVICE	4	4	-	-	-
6115 COLLECTIONS	-	-	-	-	1
6120 BILLING	1	1	-	-	-
6150 METER READING	-	-	3	3	1
6160 CASHIERS	-	-	1	1	-
TOTAL CUSTOMER SERVICE	5	5	4	4	2
2130 ELEC TRANS & DIST NEW CONSTRUCTION	-	-	4	4	-
2220 POWER PLANT	-	-	-	-	1
TOTAL ELECTRIC	-	-	4	4	1
1430 PRE-TREATMENT	1	1	-	-	-
3135 RESACA MAINTENANCE	-	-	1	1	1
TOTAL WATER AND WASTEWATER	1	1	1	1	1
OVERALL TOTAL NO. OF TEMPORARY POSITIONS	11	11	12	12	7

Note: The final count listed is as of September 30 for the given fiscal year. Employees hired on a part-time basis are not retained for the entire fiscal year. The company is flexible in hiring several positions, based on available funding.

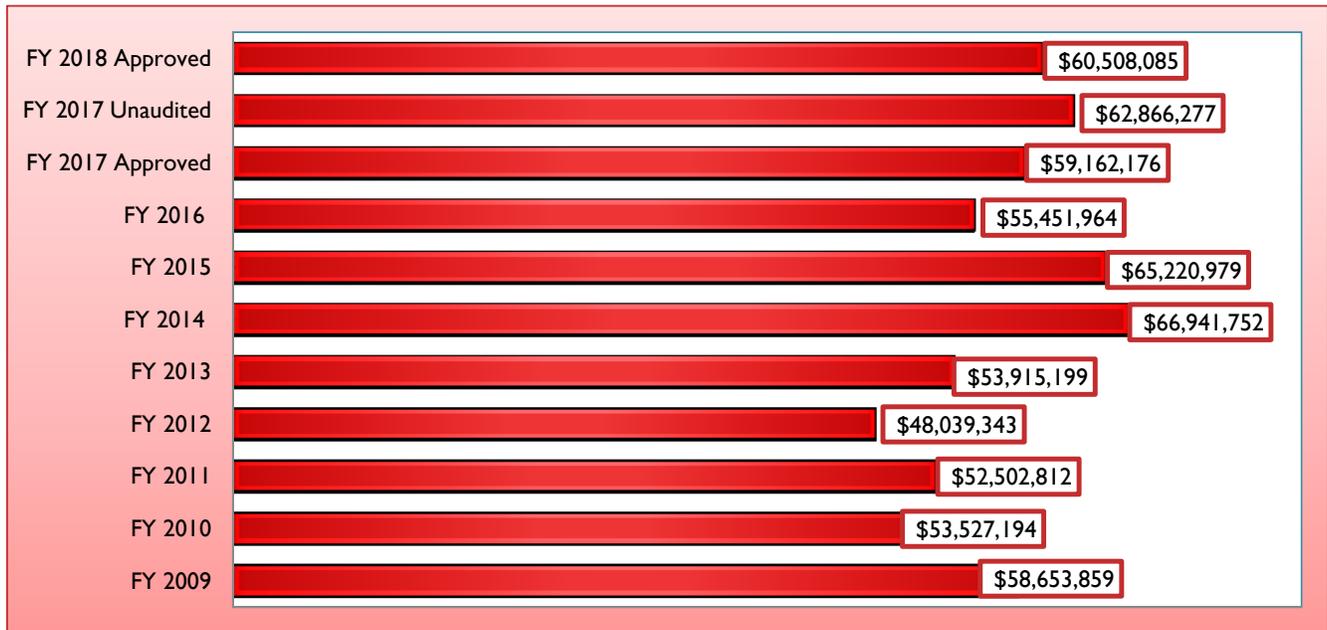
OPERATIONS & MAINTENANCE EXPENSES

The total O&M Budget for FY 2018 is \$150,980,921, an increase of \$6,246,671 or 4.32% from the approved FY 2017 Budget.

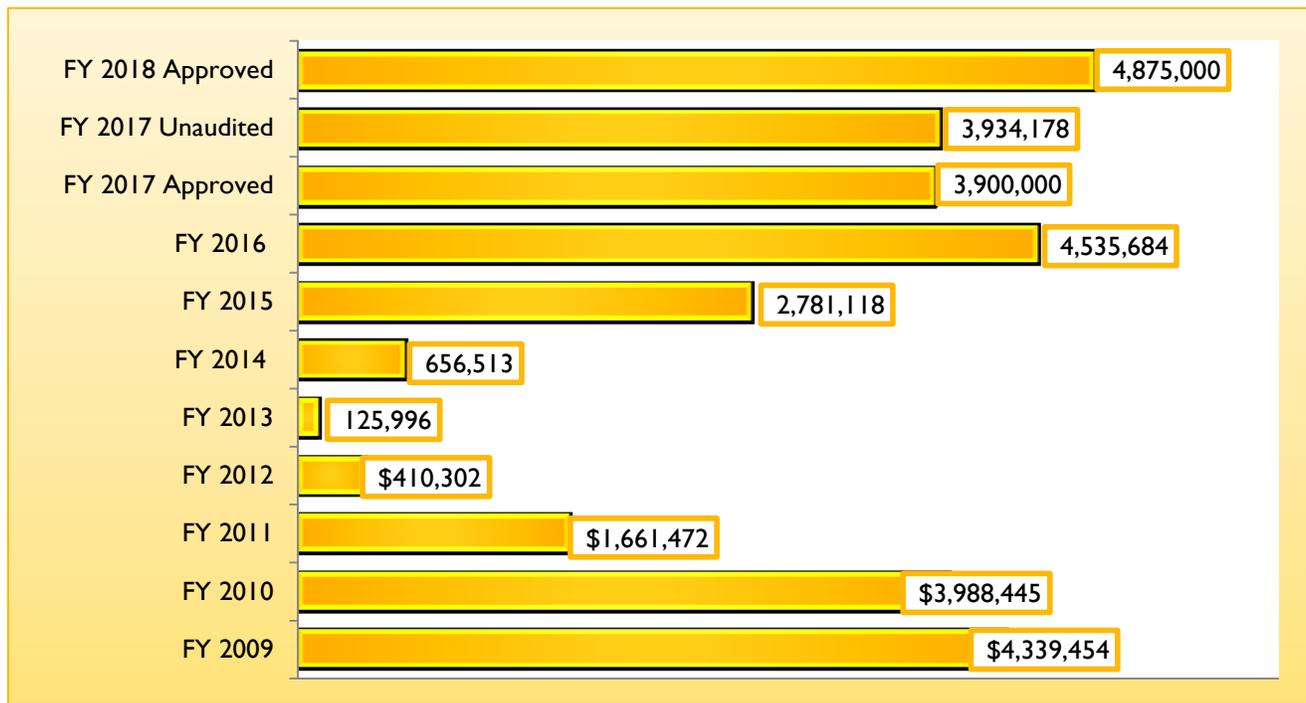
The following table summarizes O&M expenses by major classifications:

Expense Classification	Approved	Unaudited	Percent Used:	Approved	Percent Budget
	Budget		Unaudited '17 vs	Budget	Variance:
	FY 2017	FY 2017	Approved	FY 2018	Approved '18 vs
			Budget '17		Unaudited '17
Fuel & Energy Costs	\$ 59,162,176	\$ 62,866,277	106.26%	\$ 60,508,085	-3.75%
Off-system Sales Expenses	3,900,000	3,934,178	100.88%	4,875,000	23.91%
SRWA Obligations	5,878,725	5,878,725	100.00%	5,934,637	0.95%
Personnel Services	40,077,784	39,678,503	99.00%	40,173,257	1.25%
Non-personnel Expenses	35,115,565	28,189,986	80.28%	38,989,942	38.31%
Maintenance Pool Account	600,000	35,000	5.83%	500,000	1328.57%
Overall Total:	\$ 144,734,250	\$ 140,582,669	97.13%	\$ 150,980,921	7.40%

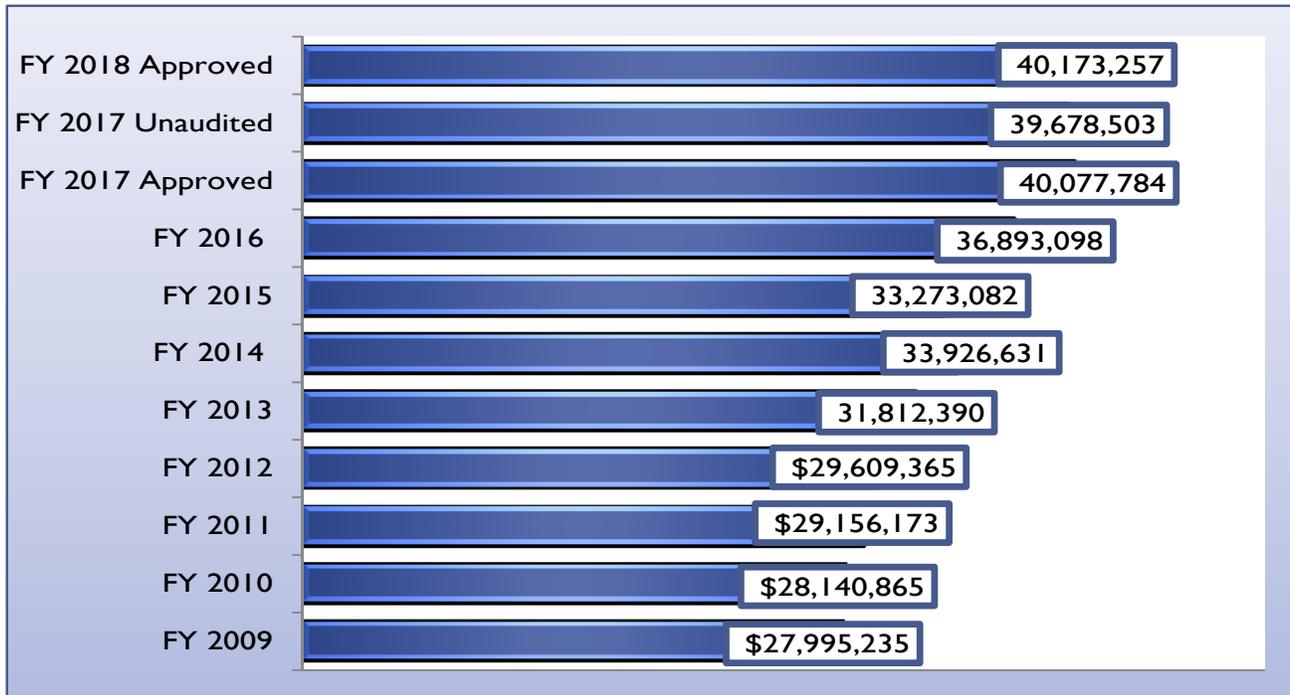
The following chart illustrates the cost of fuel and purchased energy to meet electric demand over the last several years. In FY 2009, Brownsville PUB had a total cost of \$58.65 million. The Approved FY 2018 Fuel & Energy Cost Budget is \$60.51 million. The 10-year history reflects an average increase of 0.32% per fiscal year.



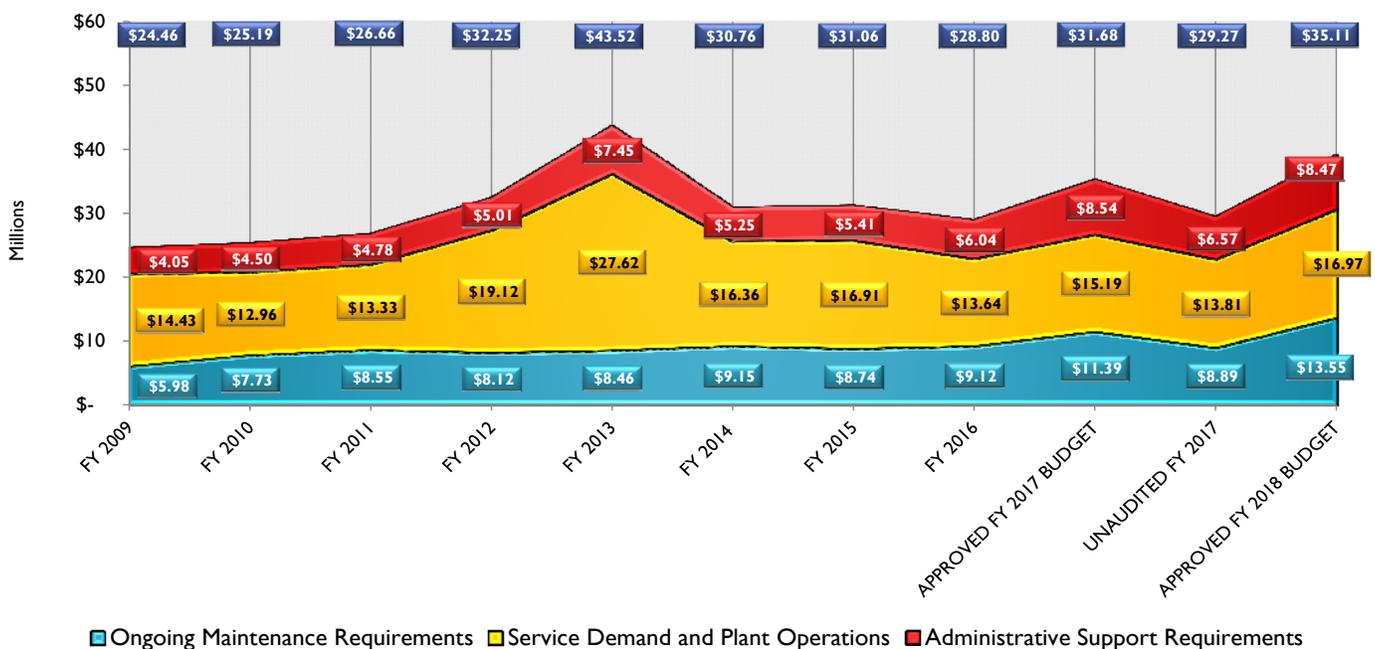
The following chart illustrates how the cost of off-system sales has fluctuated over the last ten years. In FY 2009, Brownsville PUB had a total cost of \$4.34 million. The Approved FY 2018 Off-System Sales Expenses Budget is \$4.87 million. The 10-year history represents an average increase of 1.23% per fiscal year.



The following chart illustrates how the cost of personnel services has increased over the last several years. In FY 2009, Brownsville PUB had a total O&M personnel cost of \$27.99 million. The Approved FY 2018 O&M Personnel Budget is estimated at \$40.17 million. The \$1.30 million average yearly change is a result of added positions, market pay adjustments, promotions, health insurance, retirement, and other personnel benefit changes. This change averages 4.35% per fiscal year.



The O&M Non-personnel Services Budget includes all operating and maintenance expenses driven by ongoing plant and infrastructure maintenance requirements, service demand and plant operations, and administrative support requirements. The following chart provides historical expense trends for the Brownsville PUB.



DEBT SERVICE

A summary of each system's cost of borrowed money is on page 63, Debt Service section of this Budget.

The Brownsville PUB continues to have insured bond ratings from the national rating agencies. Standard & Poor's Ratings Services, a division of The McGraw-Hill Companies, Inc., has assigned short term insured ratings of A-1+, and Fitch Ratings has assigned short term insured ratings of F1+. The Brownsville PUB underlying ratings on its senior lien debt are "A2", "A+" and "A+" by Moody's, Standard & Poor's, and Fitch Ratings, respectively.

Revenue bonds outstanding at September 30, 2017 and 2016 were \$294,105,000 and \$308,804,000 respectively. Interest on bonds is due semi-annually on March 1 and September 1, and the principal is due annually on September 1. Revenue bond debt service coverage for the Brownsville PUB's priority and second lien obligations was calculated at 3.32 and 3.08 times at September 30, 2017 and 2016, respectively.

On January 15, 2003, the Brownsville PUB sold \$76,400,000 variable rate demand bonds as Series 2002A Utility System Subordinate Lien Revenue and Series 2002B Utility System Subordinate Lien Revenue. The bonds' variable rate was synthetically fixed at 2.576% until 2008 utilizing a swap financing strategy. The City Commission of the City of Brownsville, Texas, authorized the execution of a Rate Cap Agreement effective September 1, 2006, through September 1, 2011, to give an insurance against increasing short term rates. The Brownsville PUB executed an agreement with an eligible provider for a notional amount of \$41,880,000 with an interest rate cap of 4.50%. The notional amount of the original swap decreased to \$10,830,000 effective September 1, 2006. Proceeds from the sale of the bonds were used to retire currently outstanding revenue bonds, to build, improve, extend, enlarge, and repair the system, and to pay costs of issuance of the bonds. On August 24, 2005, the Brownsville PUB sold \$163,725,000 in tax exempt bonds and \$56,855,000 in taxable bonds as part of a major debt restructuring. The tax exempt bonds, Series 2005A, provided proceeds to refund \$50,890,000 in Series 1995 outstanding obligations, \$50,000,000 in Series 2001A and \$50,000,000 in Series 2001B variable rate outstanding obligations, and \$7,250,000 in outstanding commercial paper notes, and provided \$20,000,000 in new money bonds. The taxable bonds, Series 2005B, provided proceeds to defease \$27,420,000 in Series 1992 outstanding obligations and \$22,120,000 in Series 1995 outstanding obligations.

On December 1, 2006, the Brownsville PUB issued \$601,000 City of Brownsville, Texas Utilities System Junior Lien Revenue Bonds, Series 2007, for the purpose of building, improving, extending, enlarging, and repairing the City's utilities system and to pay costs of issuance of the bonds.

The Brownsville PUB issued \$77,805,000 in aggregate principal amount of Utilities System Revenue Refunding Bonds, Series 2008. The refunding bonds provided proceeds to defease \$40,000,000 of Commercial Paper Notes, Series 2004, \$32,285,000 of the Series 2002A Utility System Subordinate Lien Revenue and Refunding Bonds, and \$13,415,000 of the Series 2002B Utility System Subordinate Lien Revenue and Refunding Bonds.

On February 28, 2011, the Brownsville PUB issued \$12,305,000 in Utilities System Revenue Refunding Bonds, Series 2011. The refunding bonds provided proceeds to refund \$6,270,000 of Junior Lien Exchange Revenue Refunding Bonds, Series 2005A, and \$5,980,000 of Junior Lien Exchange Revenue Refunding Bonds, Series 2005B.

On September 26, 2012, the Brownsville PUB issued \$20,960,000 in Utilities System Revenue Refunding Bonds, Series 2012. The refunding bonds plus a cash contribution of \$5,275,000 provided proceeds to defease \$24,450,000 in outstanding Commercial Paper Notes.

On November 1, 2012, the Brownsville PUB issued \$840,000 City of Brownsville, Texas Utilities System Junior Lien Revenue Bonds, Series 2012, for the purpose of building, improving, extending, enlarging, and repairing the City's utilities system and to pay costs of issuance of the bonds.

On April 10, 2013, the Brownsville PUB issued \$118,185,000 in Utilities System Revenue Refunding Bonds, Series 2013. The refunding bonds provided proceeds to refund \$109,985,000 of Utility System Improvement and Refunding Bonds, Series 2005A. In addition, the proceeds provided funds of \$11,818,500 to make a cash deposit into the Debt Service Reserve Fund.

On July 15, 2015, the Brownsville PUB issued \$94,770,000 in Utilities System Revenue Refunding Bonds, Series 2015. The bonds provided proceeds to refund \$49,060,000 of Series 2005A Revenue Improvement & Refunding Bonds, \$27,815,000 of Series 2005B Revenue Refunding Bonds and \$5,480,000 of Series 2011 Revenue Refunding Bonds. In addition, the proceeds provided funds to defease \$20,000,000 in outstanding Commercial Paper Notes.

On May 17, 2016, the Brownsville PUB issued \$39,410,000 in Utilities System Revenue Refunding Bonds, Series 2016. The bonds provided proceeds to refund \$42,505,000 of Series 2008 Revenue Refunding Bonds.

The Brownsville PUB's participation in the Southmost Regional Water Authority (SRWA) Reverse Osmosis Plant Project was complete and operational during 2005. The SRWA successfully issued \$30,975,000 in Water Supply Contract Revenue Bonds, Series 2002, during FY 2003 and has expended approximately 100% of bond proceeds in the construction of the desalination plant. The Series 2002 bonds were issued with insured ratings of "Aaa" and "AAA" by Moody's Investor Services and Fitch Ratings, respectively. The underlying ratings on the bonds are "A2" and "A" by Moody's and Fitch, respectively. The Brownsville PUB total interest in the project is 92.91%. The SRWA is considered a blended component unit of the Brownsville PUB. As a participating owner, the Brownsville PUB is obligated to contribute its percentage allocation of the SRWA's debt service obligations and annual system budget. The Brownsville PUB's total 2017 and 2016 contributions to the SRWA were \$5,878,725 and \$5,910,676 respectively. The Brownsville PUB's participation in the SRWA's desalination project provides the City with an alternate, long-term, drought-resistant source of drinking water.

The SRWA issued \$9,950,000 in aggregate principal amount of Water Supply Contract Revenue Refunding Bonds, Series 2006. The refunding bonds provided proceeds to defease \$9,360,000 of the Series 2002 Revenue Bonds for the years 2019 and from 2028 through 2032.

On December 7, 2009, the SRWA issued \$9,295,000 in Water Supply Contract Revenue Bonds, Series 2009A and \$3,795,000 in Water Supply Contract Revenue Bonds, Series 2009B, through the Texas Water Development Board Drinking Water State Revolving Fund for the construction of a full scale Micro Filtration Pretreatment System. The objective of this project is to achieve compliance with both existing and future maximum contaminant levels for arsenic in public drinking water by constructing a full scale Micro Filtration Pretreatment System prior to entering the existing reverse osmosis treatment process. An additional need is to control and reduce iron levels to eliminate complaints of colored water. Project objectives also include an additional 1.0 million gallons per day of capacity through upgrading certain pumps within the existing well field and adding one additional reverse osmosis train.

The SRWA issued \$13,530,000 in Water Supply Contract Revenue Refunding Bonds Series 2012 on September 26, 2012. The refunding bonds provided proceeds to defease \$14,990,000 of the Series 2002 Revenue Bonds for the years 2013 through 2027.

On April 1, 2017, the SRWA issued \$9,255,000 in Water Supply Contract Revenue Refunding Bonds, Series 2017. The refunding bonds had a closing date of April 18, 2017 and the proceeds plus the bond premium were used to defease \$9,715,000 of the Series 2006 Water Supply Contract Revenue Refunding Bonds for the years 2019 through 2032.

SUMMARY OF DEBT SERVICE REQUIREMENTS

	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	UNAUDITED ACTUAL FY 2017	BUDGET FY 2018
Principal	\$ 10,100,000	\$ 12,066,000	\$ 12,173,000	\$ 12,914,000	\$ 13,456,000
Interest	14,154,839	13,508,948	13,765,858	12,863,808	12,623,618
TOTAL	\$ 24,254,839	\$ 25,574,948	\$ 25,938,858	\$ 25,777,808	\$ 26,079,618

Commercial Paper for FY 2018 will incur \$405,000 of interest expense.

DEBT SERVICE COVERAGE RATIO

The Debt Service Coverage Ratio is estimated at 3.32 times for Year-end FY 2017, compared to 2.34 in the Approved FY 2017 Budget and 2.60 times budgeted for FY 2018. The Brownsville PUB’s minimum coverage is 1.25 times per current bond covenants.

CAPITAL BUDGET

The Board adopted the FY 2018 Capital Budget on September 15, 2017.

The FY 2018 Capital Budget totals \$61,267,696 which is \$1,709,495 more than the Brownsville PUB approved FY 2017 Budget of \$59,558,201. The BPUB’s five-year capital needs increased from \$231.62 million for FY 2017 to \$251.81 million for FY 2018 for a total increase of \$20.19 million. A funding source summary and listing of construction projects and capital asset purchases are included in the Capital section of the Budget Document, beginning on page 212. The Brownsville PUB is continuously updating a long-term Capital Improvement Plan (CIP) to prioritize use of available resources and scheduled short-term and long-term financing with minimal rate impact. If available resources are less than anticipated, Brownsville PUB will scale back on its CIP funding.

The projects proposed in the FY 2018 Capital Budget are crucial to efforts to continuously provide our present and future customers with the high-quality services and products that Brownsville PUB is committed to delivering. Many of the proposed capital projects are for renewals and replacements. Renewals and replacements are critical to Brownsville PUB’s aging infrastructure, and generally increase our costs, but provide no additional revenue. Of the projects budgeted for FY 2018, a sizeable portion is necessary for Brownsville PUB to stay in compliance with the requirements and standards set by governmental and regulatory agencies. The remainder of the FY 2018 Capital Budget includes a number of new projects and the continuation or completion of other projects that have already involved a considerable amount of time to design, permit, and construct.

Over the last 5-10 years, considerable renewal and replacement expenses have been incurred by the Brownsville PUB to correct or prevent problems. The Brownsville PUB staff continually strives to plan for and make system improvements to all three utility systems. Brownsville PUB’s staff cannot accurately estimate the savings that are a direct result of capital improvements. However, staff is confident that O&M expenses are reduced shortly and long after the improvements are completed.

Several large projects that will impact the FY 2018 Capital Budget for the electric system include the replacement of the Electrical SCADA System software and hardware, construction of a new 138KV substation at the Silas Ray Plant site, and design and construction of a new service yard that will replace, consolidate and relocate thirteen existing facilities and the operations service center. This new service yard will provide a state of the art facility which will enhance employee performance and improve systems efficiency. The project associated with the purchase of a 25% share of a proposed 800-MW natural gas-fueled Tenaska Brownsville Generating Station has been delayed due to current ERCOT market conditions.

For the water system, the major projects include the replacement of the one million gallon Southmost Elevated Storage Tank with a new two million gallon elevated water storage tank. The extension of the 16-inch waterline loop from Lago Vista to West Alton Gloor Boulevard will serve the northwest section of the water distribution system to meet future demand.

Brownsville PUB has studied the viability of the proposed Seawater Desalination Plant. If the proposed Seawater Desalination Plant is viable and financially feasible with the assistance of long-term debt and/or grants, the Seawater Desalination Plant will alleviate the long-term water needs of the City of Brownsville, Texas, and the surrounding areas in Cameron County, Texas.

Brownsville PUB completed construction of a Vapor Phase Odor Control Bio-trickling filter system at the South Wastewater Treatment Plant in August 2016. Brownsville PUB has also completed the same type of system for 8 of 16 lift stations in August 2017. The remaining 8 lift stations are currently under design and are anticipated to be ready for construction in the first quarter of 2018. Since 1999, the Brownsville PUB has been using a liquid phase pH odor control technology that consists of using a chemical to raise the pH of wastewater in order to decrease the release of odorous hydrogen sulfide gas. This chemical works by elevating the pH of wastewater above 8.5 where most of the sulfide ions stay in the liquid phase and prevent formation of hydrogen sulfide gas. Brownsville PUB will transition out of the costly liquid phase technology into a more cost effective vapor phase technology, which sequesters and treats hydrogen sulfide in its gas phase rather than in the liquid phase. The use of this vapor phase technology consists of directing air from various identified odor sources with high levels of hydrogen sulfide generation (e.g. lift stations, wastewater treatment plant) through biofilters which treat the air by removing hydrogen sulfide.

Major wastewater collection system improvements underway include the installation of yard-line connections for first time wastewater collection service to approximately 600 homes in the FM 511-802 Colonias Southeast of Brownsville. The associated discharge will go to Brownsville PUB's South Wastewater Treatment Plant through an extension of the existing conventional collection system. Brownsville PUB authorized 3 construction contracts for the installation of the extended collections system for a total amount of \$25,369,744 of which \$24.5 million was funded through the Texas Water Development Board's (TWDB) Economically Distressed Areas Program (EDAP). The installation of the yard-line connections, funded by the North American Development Bank for an amount of \$3.7 million, will cover approximately 75% of the potential homes to be connected. Brownsville PUB has also been awarded a grant of \$1 million from the Texas Department of Agriculture, through Cameron County, for the other 25% of the potential homes to be connected in the Southeast area of Brownsville. Included in the wastewater improvement projects projected to take place in this upcoming year is a grant for the extension of the wastewater collection system to serve residents in the Colonia Coronado with first time wastewater collection service. This grant funding, which will include a match from Brownsville PUB, is also funded by the Texas Department of Agriculture, through Cameron County. The wastewater system capital plan also includes numerous rehabilitations and replacements for lift stations located throughout the system.

The following table illustrates major expenditures that account for 70.50% of the total approved FY 2018 Capital Budget.

UTILITY	PROJECT DESCRIPTION	FY2018 APPROVED BUDGET
ELECTRIC		
	Electrical SCADA Replacement of System Software and Hardware	2,062,000
	SCADA (Substations Communications) - Board-approved on 10/10/16 and additional funds on 04/10/17	1,023,366
	New Connections*	844,375
	New Subdivisions*	898,194
	Trouble Calls & Service Increases*	1,076,324
	Install Electric Cable and Conduit at the Brownsville Country Club Subdivision	2,075,155
	Rio Grande Distribution Substation Upgrade, 69KV to 138 KV	3,053,269
	Cross Valley Natural Gas Pipeline	2,459,042
	Oklaunion Capital Improvements*	3,775,195
	UTILITY TOTAL:	\$ 17,266,920
WATER		
	Water New Connections*	650,000
	Water Distribution System Valve Replacement Project - Board-approved on 10/10/16	483,671
	Asbestos Cement (AC) Water Main Replacements Related to City Street Paving and Drainage Improvement Projects	500,000
	16-inch Waterline Loop from Lago Vista to W. Alton Gloor Blvd.	1,048,526
	Filter System Rehabilitation Project at Water Treatment Plants No. 1 and No. 2 (construction phase)	955,915
	EST No. 8 - 2 Million Gallon Elevated Storage Tank to Replace the Southmost Elevated Storage Tank	1,815,500
	UTILITY TOTAL:	\$ 5,453,612
WASTEWATER		
	Wastewater New Connections*	450,000
	Lift Station No. 6 and 108 Improvements	554,120
	LS 45 Relocation Project - construction contract	582,840
	Clay Sewer Replacements Related to City Street Paving and Drainage Improvement Projects	500,000
	Las Palmas first time sewer collection project	470,658
	Vapor Phase Odor Control Design, Bidding and Construction Services (8 lift stations)	2,550,000
	BECC/NADBANK Home Connections in FM511/802 Colonias Project Area	3,693,935
	UTILITY TOTAL:	\$ 8,801,553
GENERAL		
	Architect/engineering design services for Administration Building Annex	1,896,583
	Annex Admin Bldg, new Service Center (FM 511), remodel existing Admin Bldg - additional funds Board-approved on 10/10/16	1,500,000
	Implementation of an Enterprise Content Management (ECM) System	690,000
	UTILITY TOTAL:	\$ 4,086,583
VEHICLES AND OTHER EQUIPMENT		
	All Vehicles	5,730,657
	Other Equipment & Computers	1,852,880
	TOTAL:	\$ 7,583,537
	GRAND TOTAL:	\$ 43,192,205
		\$ 61,267,696
		70.50%

* Includes \$18.1 million in numerous additional projects.

A recap of all the sources of funding for the Capital Budget can be found on page 212.

The Brownsville PUB will use a combination of internally generated cash, state loans and grants, contributions-in-aid-of-construction, impact fees, and short term debt obligations to fund the Capital Budget during FY 2018.

Capital projects are discussed in additional detail on pages 217 through 327.

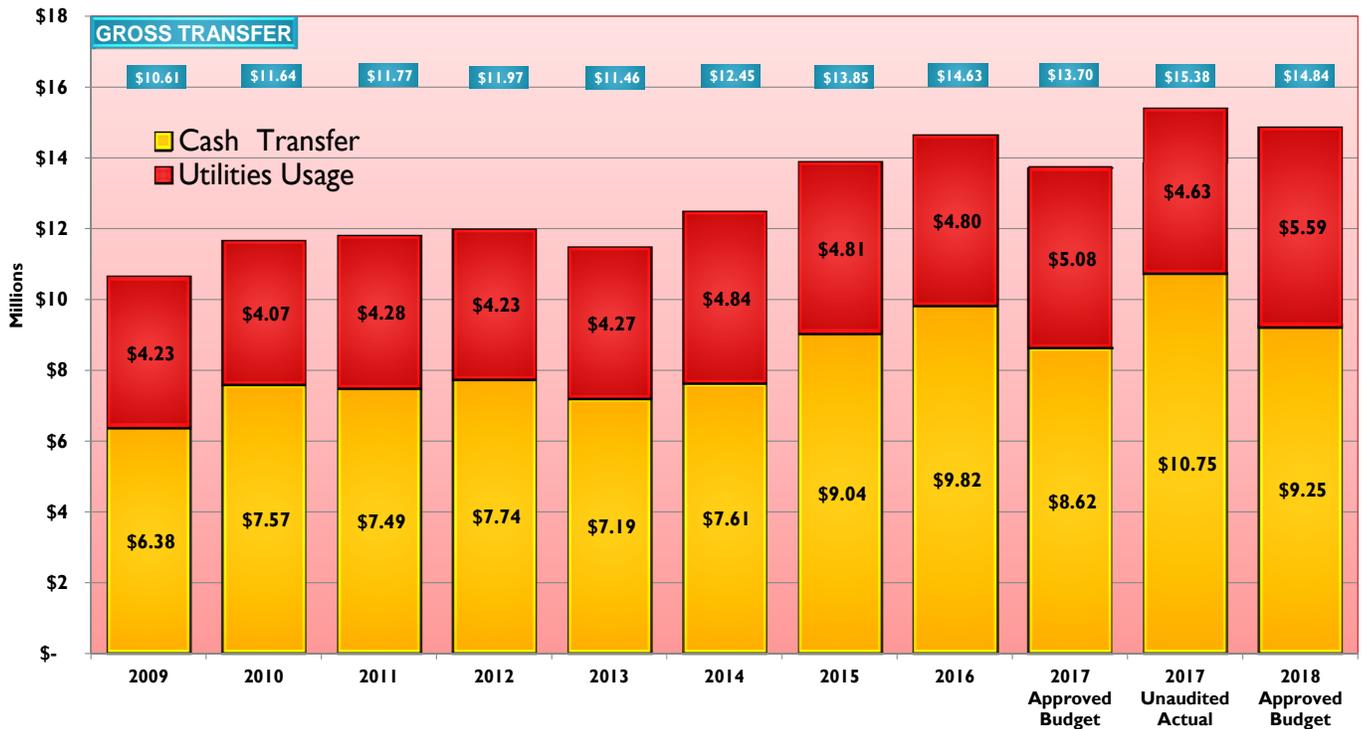
TRANSFER TO THE CITY OF BROWNSVILLE

Beginning in FY 2006 transfers to the City of Brownsville (City) are undertaken on a quarterly basis calculated at ten percent (10%) of gross revenues received for the preceding fiscal year quarter, as adjusted in accordance with the following bond covenant: (1) prior to applying the percentage set forth above to determine the amount to be transferred to the City, the amount of gross revenues for a fiscal year quarter shall be reduced by an amount equal to all costs for the purchase of power and fuel paid or incurred by the Brownsville PUB during such fiscal year quarter as well as funding requirements for SRWA and (2) the amount of funds to be transferred to the City shall be reduced by any amounts owed by the City to the Brownsville PUB for utility services.

The unaudited FY 2017 estimated year-end gross transfer is set at \$15,377,579, up \$1,680,291 from the FY 2017 Approved budget, with a net cash transfer of \$10,748,466. The FY 2018 approved budget gross transfer is \$14,840,096.

The chart below shows the gross and net transfers to the City of Brownsville over the past several years.

**City of Brownsville Gross and Net Transfers
(Dollars in Millions)**



DISTINGUISHED BUDGET PRESENTATION AWARD

The Government Finance Officers Association of the United States and Canada (GFOA) presented a Distinguished Budget Presentation Award to the Brownsville PUB for its Annual Budget for the fiscal year beginning October 1, 2016. In order to receive this award, a governmental unit must publish a budget document that meets program criteria as a policy document, as an operations guide, as a financial plan, and as a communications device. The Fiscal Year beginning October 1, 2007 was the first year Brownsville PUB had received the award. This award is valid for a period of one year only. We believe our current Budget continues to conform to program requirements, and we are submitting it to the GFOA to determine its eligibility for another award.

ACKNOWLEDGEMENTS

This year, the budget review was a very extensive process. The entire Brownsville PUB staff is to be commended for the patience and cooperation exhibited during the continued refinement of the budget process. The General Manager & CEO, Assistant General Manager & COO, Chief Financial Officer and financial staff closely analyzed each department's budget on a line-by-line basis. Many work sessions were held to ensure proper documentation was presented to justify all requests.

We extend our personal thanks to the dedicated employees who spent many hours preparing, revising and finalizing this document.

We would also like to acknowledge the support of the Board of Directors for its continuing interest in the development of a strong financial system and balanced budget to serve the customers of the Brownsville PUB.

Respectfully submitted,

John S. Bruciak, P.E.
General Manager & Chief Executive Officer

Leandro G. García, CPA
Chief Financial Officer



GOVERNMENT FINANCE OFFICERS ASSOCIATION

*Distinguished
Budget Presentation
Award*

PRESENTED TO

Brownsville Public Utilities Board

Texas

For the Fiscal Year Beginning

October 1, 2016

Executive Director

BUDGET PROGRAM

Overview

It is the Brownsville PUB's practice to adopt a budget prior to the start of each year which begins October 1. The budget, in addition to the financial statements, is prepared on the accrual basis. The process leading to the budget adoption involves participation from all management and supervisor levels and includes a communications plan that encourages input and guidance from Board Members.

The budget focuses on identifying funding levels necessary to continue basic utility services, systems improvement priorities, and community goals. The Chief Financial Officer (CFO) provides the Board Members and the General Manager & CEO with information on projected revenues and funding requirements to enable the General Manager and Board Members to provide policy direction in formulating budget goals and objectives as well as budget strategies to achieve such goals.

The Brownsville PUB's FY 2017-18 budget is a balanced budget, with revenues and other financing sources equal to the expenditures and other financing uses.

Priorities

The Brownsville PUB has adopted a set of priorities for defining the Organization's mission. These priorities are used by the departments in formulating goals, objectives and measures when preparing their budgets.

Financial Policies

The Brownsville PUB has approved a comprehensive set of financial policies to guide the financial practices including accounting and reporting practices, investments, and debt financing. These policies are reviewed by the Brownsville PUB CFO and the Finance Committee to ensure that the Utility is in compliance with Bond Covenants, GASB Statements, and state and Federal regulatory requirements. Recommendations for change are submitted to the Finance Committee or entire Board for approval when necessary. The policies provide direction for all aspects of financial planning, accounting, reporting, and resource allocation. These financial policies are explained in further detail on the significant policies section starting on page 34.

Restricted Use of Public Funds

The Brownsville PUB shall not lend its credit or gratuitously grant public money or things of value in aid of any individual, association, or corporation. The Brownsville PUB shall not grant any extra compensation, fee, or allowance to a public officer, agent, servant, or contractor after service has been rendered or a contract entered into and performed in whole or in part without Board approval. Nor shall the Brownsville PUB pay or authorize the payment of any claim against the Brownsville PUB under any agreement or contract made without authority of law.

No public funds of the Brownsville PUB may be spent in any manner other than as provided for in the budget adopted or amended by the Board.

BUDGET PREPARATION PROCESS & PROCEDURES

Preface

Budgeting is the process of allocating resources to the prioritized needs of the Brownsville PUB. Although budget formats and policies are by no means uniform in the public utility industry, formal budgets play a major role in the planning, control, and evaluation of operations. The adoption of the budget implies that a set of decisions have been made by the Board and Brownsville PUB's General Manager & CEO which culminate in matching Brownsville PUB's resources with its needs. This enables Administration to execute and control the activities that have been approved by the budget and evaluate performance based upon comparisons between budgeted and actual expenses.

Objectives of Budgeting

Performance evaluations allow citizens and taxpayers to hold policy makers and administrators accountable for their actions. Because accountability to citizens often is stated explicitly in state laws and constitutions, it is considered a cornerstone of budgeting and financial reporting. The Governmental Accounting Standards Board (GASB) recognizes its importance and has outlined the following objectives taken from *GASB Concepts Statement No. 1* (Section 100.177):

- Financial reporting should provide information to determine whether current-year revenues were sufficient to pay for current-year services.
- Financial reporting should demonstrate whether resources were obtained and used in accordance with the entity's legally adopted budget. It should also demonstrate compliance with the Bond Covenant and other finance-related legal or contractual requirements.
- Financial reporting should provide information to assist users in assessing the service efforts, costs, and accomplishments of the governmental entity.

Meeting these objectives requires budget preparation to include several concepts recognizing accountability. Often these concepts have been mandated for state and local public sector budgets. They include requirements that budgets should:

- Be balanced so that current revenues are sufficient to pay for current services.
- Be prepared in accordance with all applicable Bond Covenant, Federal, state, and local legal mandates and requirements.
- Provide a basis for the evaluation of a governmental utilities service effort, cost and accomplishments.
- Attempt to provide adequate Improvement Funds for "normal" capital activities by utility.

Budget Process Overview

The budgeting process is comprised of three major phases: planning, preparation, and evaluation. It begins with sound planning. Planning defines the goals and objectives the Board has established and defines the strategy that Brownsville PUB's General Manager & CEO will implement to attain those goals and objectives. Once the strategy has been established, budgetary resource allocations are initiated to support them. Budgetary resource allocations are the preparation phase of budgeting.

Finally, the budget is evaluated for its effectiveness in attaining goals and objectives. Evaluation typically involves an examination of how funds are expended, what outcomes result from the expense of funds, and to what degree these outcomes achieve the objectives stated during the planning phase. This evaluation phase is important in determining the following year's budgetary allocations. Budget preparation is not a one-time exercise to determine how Brownsville PUB will allocate funds. Rather, it is part of a continuous cycle of planning and evaluation necessary to achieve the established goals.

Annual Budget Process

The CFO established a process to comply with the Brownsville PUB Budget policy requiring a balanced budget. A line-item budgeting format has been selected primarily because of its simplicity and control orientation. Brownsville PUB bases the budget upon historical expenses and revenue data. The development process is comprised of the following:

- Discussion with the General Manager & CEO and Assistant General Manager & COO to set Brownsville PUB goals and budget timetable to comply with the Board's goals and objectives.
- The Financial Planning Team prepares budget packets for the Directors and Managers. Packets will have detailed instructions to help estimate O&M and capital requirements. All line item accounts must be accompanied by a justification. Capital funding requests will be evaluated by established sub-teams for each category in the Capital Fund. Budget Team recommendations will be forwarded to the Financial Planning Team for inclusion in the first budget draft. Additionally, a 10-year Capital Project Budget is included for Director's review and prioritization.
- Budget draft is reviewed and balanced by the General Manager & CEO, the Assistant General Manager & COO and the CFO.
- Balanced budget is presented to the Board for approval.

Approved Detailed Budget Procedures

The Financial Planning Team established the following internal controls to ensure operational compliance with the Brownsville PUB's Board-Approved Budget (O&M and Capital). Management has identified possible issues that could compromise the budget's integrity and implemented procedures to define, address or prevent their occurrence.

- **Line-item Budget Purchases** - The Banner 8.6.4 accounting system provides management the ability to analyze and control spending through a line-item budget process. The requisition and encumbrance process is dependent on available funds within an organization's account structure. The system automatically denies a requisition if funds are unavailable for procurement. At no point does the system allow an account to incur a deficit budget balance. A system override of this control can be initiated only with a written approval from the CFO.
- **Budget Changes** - Management has the option of re-allocating budgeted funds within a department, within a division or among other divisions as long as the funds are allocated within a type/function. This may be necessary to initiate a purchase if funds are unavailable in a certain account. An approved *Budget Change Form* is required before changes to the budget are processed.

- **Budget Amendments** - Management will request increases to the Approved Budget only after they have looked within the Organization for available funds and the request is a result of an extraordinary requirement or emergency situation. This may be necessary throughout the year to address unexpected requirements for additional resources. Board approval is required before amendments to the overall budget are processed.
- **Personnel Additions** – Personnel additions that increase the Board-approved position control total cannot be processed without a budget amendment. However, management can choose to reclassify open positions to address immediate staffing needs without Board approval as long as the dollar amounts or number of employees do not increase the approved budget totals. Reclassifying positions are generally allowed as long as the positions are at the same or at a lower pay level. In cases where management feels a need to reclassify a position to a higher level and after Human Resources has approved the reclassification, securing the funding with the Financial Planning Team will be the next step. Funding in these cases would mean sacrificing the salaries of two approved positions to fund the higher salaried position either by reclassifying the approved position to a lower pay grade or temporarily unfunding and suspending the approved position. The Financial Planning Team and the Human Resource Department can present management with the available options to fund the reclassification of the position requested.

Six-Month Budget Review Process

Brownsville PUB's Six-Month Budget Review enables management to evaluate mid-year performance and address unplanned expenses. During the normal course of business, there are strong possibilities that extraordinary circumstances deplete available funds. The review can be used as the tool to request budget increases, identify funding deficiencies, and predict future expenses based on mid-year totals. The evaluation process and possible budget increases will be governed by the following:

- Requests of additional O&M Funds will not exceed the calculated total of additional revenues estimated to be collected for the remainder of the year.
- Requests of additional Capital Funds must first be funded from available funds from closed projects or funds deferred from current active projects. Request total cannot exceed approved capital fund total.
- Requests for permanent employee positions will not be considered after the budget is adopted until all approved positions are filled or the reclassification of open positions has been exhausted.
- Any existing deficit accounts must be cleared within a department or division before Directors or Managers can consider requesting additional funds for extraordinary expenses.
- Budget analysis may identify possible available funds within a department or division prompting a transfer to the Contingency account. The funds will be swept from the accounts unless Directors and Managers can document and justify that the funds are vital to their department's operations in the remaining six months of the fiscal year. The CFO will initiate this procedure based on the expense justification and Brownsville PUB's financial position. Additionally, the presence of extraordinary expenses that impact revenues, customer services, production of services, safety, Federal/state regulations, and employee benefits will influence the decision-making process.

BUDGET PREPARATION CALENDAR

FISCAL YEAR 2018 TIMETABLE

1	May 8, 2017	Monday	Distribute Budget Process Timetable to the Board	CFO
2	May 22 - 26, 2017	Week of	Establish BPUB Teams & Meetings	Financial Planning Team
3	May 31, 2017	Wednesday	BUDGET KICKOFF - Distribution of FY 2018 Budget Instructions, Forms for Equipment Requests and Projects, and Performance Measures	Financial Planning Team
4	May 31, 2017	Wednesday	Open Budget Program for User Data Entry	Financial Planning Team
5	July 5, 2017	Wednesday	Close Budget Program data entry access	Financial Planning Team
6	July 5, 2017	Wednesday	O&M Budget, Equipment Requests & Project Request Forms due	All Departments
7	July 10, 2017	Monday	Send Equipment Requests to respective BPUB Budget Teams (Vehicle, Computer & Other Equipment) for recommendations	Financial Planning Team
8	July 21, 2017	Friday	Department Performance Measures due	All Departments
9	July 21, 2017	Friday	Budget Teams (Vehicle/Computer/Other) recommendations due	Teams
10	August 4, 2017	Friday	First DRAFT of O&M budget complete	Financial Planning Team
11	August 4, 2017	Friday	Distribute first DRAFT of budget and meet with Executive Team	CFO
12	Aug 7 - 9, 2017	Monday - Wednesday	Directors and Managers balance CIP budgets, Finance Department balances O&M budget.	All Directors & Managers
13	August 11, 2017	Friday	Submit revised budget to Executive Team	Financial Planning Team
14	August 16, 2017	Wednesday	Finance Committee Meeting to discuss FY 2018 Preliminary Budget	CFO
15	August 22, 2017	Tuesday	Finance Committee Meeting to discuss FY 2018 Preliminary Budget	CFO
16	Aug 28 - Sept 1, 2017	Week of	Individual Board Member Budget Briefings upon request	CFO
17	September 15, 2017	Friday	Presentation of Draft Fiscal Year 2018 Budget to the Board in a workshop	CFO
18	September 15, 2017	Friday	Present Fiscal Year 2018 Budget to the Board for consideration and approval	CFO

NOTES

1. Southmost Regional Water Authority (SRWA) Budget approved on 8/14/17.

SIGNIFICANT POLICIES

The accounting policies of Brownsville PUB conform to generally accepted accounting principles (GAAP) as applicable to local governmental units. The following is a summary of the more significant policies:

The Reporting Entity

The Brownsville PUB was formed in 1960 to provide electrical, water, and wastewater services to its customers in the Brownsville area. The financial statements of the Brownsville PUB are prepared in conformity with accounting principles generally accepted in the United States of America as applied to government units. The Governmental Accounting Standards Board (GASB) is the accepted standard-setting body for establishing governmental accounting and financial reporting principles.

The Brownsville PUB is a component unit of the City of Brownsville, Texas as defined in GASB Statement No. 14, the Reporting Entity as amended by GASB Statement No. 39, determining whether certain organizations are component units. It is a separate operating authority established by the City's charter. Its purpose is to own, operate, and maintain a combined utilities system which provides the City and certain adjacent unincorporated areas with electricity, water, and wastewater services. The specific elements of oversight responsibility of the Brownsville PUB is that the City Commission appoints six of the seven-member governing board and the Mayor of the City serves Ex-Officio as the seventh member. Each appointed Board Member serves a four-year term. The Brownsville PUB does not have the right to encumber, sell, or hypothecate the utilities system. The specific elements of accountability for fiscal matters are (1) the City Commission is vested with the right to set utility rates and (2) the City is vested with the right to authorize the issuance of debt for the utilities system. Further, the Brownsville PUB is not required to pay any property taxes or franchise taxes to the City and the City is not required to pay for the utility services furnished to the City by the Brownsville PUB.

The reporting entity of the Brownsville PUB consists of the primary and a blended component unit, the SRWA. The SRWA is a conservation and reclamation district created pursuant to Article XVI, Section 59, of the Texas Constitution and the Act of June 12, 1981, 67th Leg., Ch. 511, 1981 Tex. Gen. Laws 2196. The SRWA provides treated water to various areas of Cameron County. Essential disclosures related to SRWA are included in its complete financial statements. These statements may be obtained at P.O. Box 3270, Brownsville, Texas 78523-3270, c/o Finance Department.

Fund Accounting, Measurement Focus, Basis of Accounting, and Financial Statement Presentation

The Brownsville PUB is a single enterprise fund, which is organized on the basis of systems (Electric, Water and Wastewater), each of which is considered a separate accounting entity. Resources are allocated to, and accounted for in these systems based upon the purpose for which they are to be spent. For external reporting purposes, these systems are combined.

The budget, as well as the financial statements, are prepared on the accrual basis; budgeted revenues will be recognized when earned and budgeted expenses will be recognized when incurred, regardless of the timing of related cash flows. The expenditure budget is prepared on a comparable basis to Generally Accepted Accounting Principles, with the exception of debt service (including principal and interest) that is budgeted in full when due. Depreciation and interest expense are recorded as expenses for financial statement purposes (depreciation is not budgeted).

The annual audited financial statements are presented in accordance with accounting standards generally accepted in the United States of America for proprietary funds of governmental entities. The Brownsville PUB complies with all applicable pronouncements of the GASB. The Brownsville PUB is accounted for as a proprietary fund. Proprietary funds are used to account for operations that are financed and operated in a manner similar to private business enterprises where the intent is to recover the cost of operations through user charges. A proprietary fund is accounted for on the "economic resources" measurement focus using the accrual basis of accounting, under which revenues are recognized in the accounting period in which they are earned and the related expenses are recorded in the accounting period incurred, if measurable. All assets and liabilities are included on the balance sheet. In accordance with GASB Statement No. 20, Accounting and Financial Reporting for Proprietary Funds and Other Governmental Entities that Use Proprietary Fund Accounting, the Brownsville PUB has elected not to follow pronouncements of the Financial Accounting Standards Board (FASB) issued after November 30, 1989.

Flow of Funds Policy

City Ordinance No. 2005-1438 established certain "funds". These "funds" are mandatory asset segregation and not funds in the sense of governmental fiscal and accounting entities with self-balancing sets of accounts.

The following paragraphs briefly describe in summary form the manner in which Gross Revenues and Net Revenues are utilized and their priority of payment.

Plant Fund . . . The Ordinance requires all Gross Revenues to be deposited by the Brownsville PUB, as collected and received, into a separate account known as the Plant Fund. All Gross Revenues deposited into the Plant Fund shall be transferred for the following uses and in the order of priority shown below:

FIRST: to the payment of all necessary and reasonable Operating and Maintenance Expenses as defined in the Ordinance or required by statute (including, but not limited to, Chapter 1502, Texas Government Code, as amended) to be a first charge on and claim against the Gross Revenues, including the establishment of a fuel adjustment subaccount or similar accounts. In addition, the Brownsville PUB is required to retain in the Plant Fund a reserve amount to pay Operating and Maintenance Expenses of not less than two months of budgeted Operating and Maintenance Expenses for the current Fiscal Year (the "Operating Reserve Fund") which amount was funded initially in the amount of \$12,500,000 with lawfully available funds of the Brownsville PUB, and will be replenished as described in subparagraph ELEVENTH below.

SECOND: to the payment of the amounts required to be deposited into the Debt Service Fund created and established for the payment of the Senior Lien Obligations as the same become due and payable. (See "Debt Service Fund" below.)

THIRD: to the payment of the amounts required to be deposited into the Senior Lien Reserve Fund and other debt service reserves for Senior Lien Obligations created and established in accordance with the Ordinance to maintain the amounts required to be deposited in accordance with the provisions of the Ordinance or the ordinances relating to the issuance of any Additional Senior Lien Obligations.

FOURTH: to the payment of the amounts required to be deposited into the debt service fund created and established for the payment of the currently outstanding Junior Lien Obligations or any Additional Junior Lien Obligations hereafter issued by the City as the same become due and payable.

FIFTH: to the payment of the amounts required to be deposited into the reserve fund created and established in connection with the Junior Lien Obligations to maintain the amounts required to be deposited in accordance with the provisions of the ordinances relating to the issuance of the currently outstanding Junior Lien Obligations or any Additional Junior Lien Obligations hereafter issued by the City.

SIXTH: to the payment of the amounts required to be deposited into the debt service fund created and established for the payment of the Commercial Paper Obligations (to the extent the Commercial Paper Obligations are payable from a subordinate lien on the Net Revenues), or any Subordinate Lien Obligations hereafter issued by the City as the same become due and payable.

SEVENTH: to the payment of the amounts required to be deposited into the reserve fund, if any, created and established to maintain the amounts required to be deposited in accordance with the provisions of the ordinances relating to the currently outstanding Commercial Paper Obligations (to the extent the Commercial Paper Obligations are payable from a subordinate lien on the Net Revenues), or any Subordinate Lien Obligations hereafter issued by the City as the same become due and payable.

EIGHTH: to the payment of the amounts required to be deposited into the debt service fund created and established for the payment of any Inferior Lien Obligations as the same become due and payable.

NINTH: to the payment of the amounts required to be deposited into the reserve fund, if any, created and established to maintain the amounts required to be deposited in accordance with the provisions of the ordinances relating to the issuance of any Inferior Lien Obligations.

TENTH: to the payment of the amounts to be deposited into the City Transfer Fund and to be transferred to the City's General Fund as provided in the Ordinance. (See "Transfers to the City's General Fund" below.)

ELEVENTH: to the payment of the amount to replenish the Operating Reserve Fund to the amount required in subparagraph FIRST above.

TWELFTH: to the payment of the accrual to fund or to replenish the Capital Improvement Fund created and established by the Ordinance, along with the accumulation of any other surplus Net Revenues. (See "Capital Improvement Fund" below.)

Debt Service Fund . . . For purposes of providing funds to pay the principal of, premium, if any, and interest on the Senior Lien Obligations as the same become due and payable, the Brownsville PUB is required to maintain, at the Depository, a separate and special account or fund known as the Debt Service Fund. The Brownsville PUB is required to deposit into the Debt Service Fund prior to each principal and interest payment date from the available Net Revenues an amount equal to the amount required to fully pay the interest on and the principal of the Senior Lien Obligations then falling due and payable, such deposits to pay maturing principal and accrued interest on the Senior Lien Obligations to be made by the Brownsville PUB in substantially equal monthly installments on or before the business day before the 15th day of each month, beginning on or before the business day before the 15th day of the month next following the delivery of the Bonds to the Underwriters. If the Net Revenues in any month are insufficient to make the required payments into the Debt Service Fund, then the amount of any deficiency in such payment is required to be added to the amount otherwise required to be paid into the Debt Service Fund in the next month.

Senior Lien Reserve Fund . . . The Ordinance requires the Brownsville PUB to create, establish, and maintain with a Depository a separate and special fund or account known as the Senior Lien Reserve Fund for the purpose of accumulating a reserve for the payment of the Senior Lien Obligations equal to the least of (1) 100% of the Maximum Annual Debt Service Requirements for the Senior Lien Obligations, (2) 125% of the Average Annual Debt Service Requirements for the Senior Lien Obligations and (3) 10% of the initial principal amount of the Outstanding Senior Lien Obligations (calculated by the Brownsville PUB at the beginning of each Fiscal Year and as of the date of issuance of the Bonds and each series of Additional Senior Lien Obligations) (the "Required Reserve Amount").

Junior Lien Reserve Fund. . . To accumulate and maintain a reserve for the payment of the Junior Lien Obligations equal to 100% of the Average Annual Debt Service Requirements (calculated by the Brownsville PUB at the beginning of each Fiscal Year and as of the date of issuance of each series of Additional Junior Lien Obligations) for the Junior Lien Obligations (the Junior Lien Required Reserve Amount), the Issuer agrees that the Brownsville PUB will create and establish, and shall maintain a separate and special fund or account known as the "City of Brownsville, Texas Utilities System Junior Lien Revenue Bond Reserve Fund" (the Junior Lien Reserve Fund), which Fund shall be maintained at the Depository. All funds deposited into the Junior Lien Reserve Fund shall be used solely for the payment of the principal of and interest on the Junior Lien Obligations, when and to the extent other funds available for such purposes are insufficient, and, in addition, may be used to retire the last Stated Maturity or Stated Maturities of or interest on the Junior Lien Obligations.

Transfers to the City's General Fund . . . For purposes of providing funds to transfer to the City's General Fund, the Ordinance requires the Brownsville PUB to create and maintain at the Depository a separate and special account or fund to be known as the City Transfer Fund. The Brownsville PUB is required to deposit into the City Transfer Fund from the available Adjusted Revenues an amount equal to one-third of the quarterly amount hereinafter described to be made by the Brownsville PUB to the City in substantially equal monthly installments on or before the business day before the 15th day of each month, beginning on or before the business day before the 15th day of the month next following the delivery of the Bonds to the Underwriters. After making each of the payments required by the provisions of subparagraphs FIRST through NINTH as described above under "Funds and Accounts and Flow of Funds - Plant Fund", the Designated Chief Financial Officer of the Brownsville PUB is required to transfer no later than the business day preceding the 15th day of the month following the end of each Fiscal Year quarter, an amount of money from the City Transfer Fund equal to ten percent (10%) (or such lesser amount as may be determined from time to time by the City Commission of the City) of the Gross Revenues received for the preceding Fiscal Year quarter, as adjusted in accordance with the next two following sentences, to be utilized by the City in the manner permitted by the provisions of Chapter 1502, as amended, Texas Government Code. Prior to applying the percentage set forth in the preceding sentence to determine the amount to be transferred to the City, the amount of Gross Revenues for a Fiscal Year quarter shall be reduced by an amount equal to all costs for the purchase of power, fuel and paid or incurred by the Brownsville PUB during such Fiscal Year quarter and by amounts paid by the Brownsville PUB to the Southmost Regional Water Authority with respect to the Southmost water project. Furthermore the amount of funds to be transferred to the City in accordance with the provisions of the Ordinance shall be reduced by any amounts owed by the City to the Brownsville PUB for utility services provided by the Brownsville PUB. To the extent that the available Net Revenues in any quarter are insufficient for the Brownsville PUB to make all or part of the required transfer to the City, the Brownsville PUB shall make up such shortfall (i) in the next quarter in which available Net Revenues exceed the amounts required to make the transfer to the City pursuant to the foregoing provisions and the payment to the Operating Reserve Fund under the provisions of the Ordinance, or (ii) to the extent such shortfall has not been made up by the last quarter of the Fiscal Year, solely from any surplus funds deposited into the Capital Improvement Fund for such Fiscal Year.

Capital Improvement Fund . . . The Ordinance creates and establishes a special fund known as the Capital Improvement Fund. Money on deposit in the Capital Improvement Fund may be used for making any capital improvements to the System and for meeting contingencies of any nature in connection with the operations, maintenance, improvement, replacement, or relocation of properties constituting the System including, but not limited to, the replacement of any equipment relating to the System, as may be determined from time to time by the Brownsville PUB, and to fund the costs of any rate stabilization subaccount or any other similar subaccounts.

The Ordinance requires the City to deposit Net Revenues of the System, after making each of the payments required by the provisions of subparagraphs FIRST through ELEVENTH as described above under "Funds and Accounts and Flow of Funds - Plant Fund", into a Capital Improvement Reserve Fund of the Capital Improvement Fund in an annual sum equal to \$3,000,000 until the amount on deposit in the Capital Improvement Reserve Fund of the Capital Improvement Fund equals or exceeds \$15,000,000 (the "Capital Amount"). In the event that such annual payments are not made, the Brownsville PUB is required to request the City to establish sufficient rates and charges for the System to cure any such deficiency with respect to the accumulation of the Capital Amount within one year. When and so long as the cash and investments in the Capital Improvement Reserve Fund of the Capital Improvement Fund equals the Capital Amount, no deposits will be required to be made to the credit of the Capital Improvement Reserve Fund of the Capital Improvement Fund; but, if and when the Capital Improvement Reserve Fund Account of the Capital Improvement Fund at any time contains less than the Capital Amount, the City is required to cure the deficiency in the Capital Amount by resuming monthly deposits to said Fund from Net Revenues of the System, or at the option of the City from any other lawfully available funds, such monthly deposits to be in amounts equal to not less than 1/36th of the Capital Amount covenanted by the City to be maintained in the Capital Improvement Fund.

Budgetary Controls

Controls are in place to reduce the possibility of overspending in individual line items. Requisitions that exceed budgeted amounts are flagged as such, and are not converted to purchase orders until the over-budget condition is corrected. This is accomplished by allowing departments to transfer budgets between line items within their purview.

Operating Revenues and Expenses

Operating revenues and expenses generally result from providing services and producing and delivering goods in connection with the Brownsville PUB's principal ongoing operations. The principal operating revenues of the Brownsville PUB are charges to customers for sales and services. Operating expenses include the cost of sales and services, administrative expenses, and depreciation on capital assets. All revenues and expenses not meeting this definition are reported as non-operating revenues and expenses.

The Brownsville PUB defines operating revenues consistent with the precepts of GASB Statement No. 9, paragraphs 16 to 19 and 31: cash receipts from customers, cash receipts from quasi-external transactions with the City and other governments, and other cash receipts that do not result from transactions defined as capital and related financing, non-capital financing, or investment activities.

Utility Service Revenue and Electric Purchased Power Expense

Electric, water, and wastewater revenues are recognized as billed on a cycle basis with recognition of unbilled revenues year-end, based upon the meter reading dates for the unbilled portion of each cycle. Electric rate schedules include power cost adjustment clauses that permit recovery of purchased power

costs, not included in base rates, in the month after such costs are incurred. The Brownsville PUB charges to expense the cost of purchased power in the period of purchase.

Capital Assets

Utility plant-in-service is stated at cost which generally includes the cost of contracted services and certain materials and labor. Maintenance and repairs of property and items determined to be less than units of property are charged to operating and maintenance expenses; major plant replacements are capitalized. Assets acquired through contributions, such as those from land developers, are capitalized at estimated fair value at the date contributed. Capital assets are defined by the Brownsville PUB as assets with an initial, individual cost of more than \$5,000 and an estimated useful life in excess of eighteen months.

Meter and line transformer inventory have been included in utility plant to conform to Federal Energy Regulatory Commission guidelines.

Depreciation is computed using the straight-line method over the estimated useful lives of the assets.

Investments

The Brownsville PUB invests funds in accordance with the Texas Public Funds Investment Act, bond indentures, and the Brownsville PUB's approved investment policy, which is approved annually by the Board of Trustees. The investment policy was approved by the Board of Trustees on October 9, 2017 which included an "Investment Strategy Statement" that addressed the understanding of investment suitability, the preservation and safety of principal, liquidity, marketability of the investment prior to maturity, diversification, and yield of the investment portfolio.

Investments consist primarily of United States Treasury Obligations, certificates of deposit, and government-backed securities. Statutes authorize the Brownsville PUB to invest in obligations of the United States or its agencies and instrumentalities; direct obligations of the State of Texas or its agencies; obligations of states, agencies, counties, cities and other political subdivisions of any state rated not less than A or its equivalent; certificates of deposit; prime domestic bankers' acceptances; eligible investment pools; certain commercial paper; certain mutual funds; and fully collateralized repurchase agreements. Investments are made only with certified brokers/dealers as required by the investment policy provisions and state law.

The Brownsville PUB follows the provisions of GASB Statement No. 31, Accounting and Financial Reporting for Certain Investments and for External Investment Pools. In accordance with GASB No. 31, the Brownsville PUB's general policy is to report short-term investments at amortized cost. All other investments are reported at fair value. The term "short-term" refers to investments that have a remaining term to maturity of one year or less at time of purchase. Fair value determinations of all securities are made on a quarterly basis.

Cash Management Policies and Practices

During the year, cash is invested in money market mutual funds, certificates of deposit, agencies, and various investment pools as either short term or long term investments. Cash deposits are properly secured at all times per Brownsville PUB's Investment Policy. Accordingly, cash deposits are either insured by federal depository insurance or collateralized. All collateral on deposits is held by a third-party institution in the Brownsville PUB's name.

Capital Spending Policy

Working as a team, Department Heads and key staff members developed a comprehensive departmental and system capital improvements plan, taking into consideration both expansion and major rehabilitation. After completion the team met to discuss and evaluate the plans based on available working capital, anticipated capital spending improvement charges, rate increases and long-term financing to determine which projects were prudent.

The Capital Improvement Plan (CIP) was then incorporated into the Capital Budget and put through the same rigorous scrutiny as the other budgets to determine which projects/items would be funded in this fiscal year.

At the time major capital expenditures are initiated, or when capital projects cannot be funded from rates or other sources, staff seeks Board approval to obtain alternative financing through bonds or short-term commercial paper (CP) issues.

Commercial Paper Program

Short term debt, including commercial paper notes, shall be used when authorized for interim financing of capital projects approved by BPUB Board and to take advantage of lower interest rates in the short term variable rate market; which provide the BPUB with flexibility in timing its entry into the long term fixed rate market. Commercial paper notes shall be used for funding additions, improvements and extensions to the combined electric system, waterworks system, and sewer system included in BPUB's annual CIP plan as approved by the Board.

The term of any commercial paper notes shall not exceed 270 days. Authorized commercial paper program shall not exceed 20% of outstanding long term fixed rate revenue bond. Commercial paper notes shall only be defeased with refunding bonds when the amount to be refunded reaches a minimum of \$15 million. The Board shall be notified when any project financed with commercial paper remains outstanding for more than 3 years.

Capital projects should be financed through a combination of cash referred to as pay-as-you-go financing (equity contributions from current net revenues) and debt. An annual funding ratio between 15% and 30% of equity contribution is desirable.

Commercial Paper will be paid with cash or refunded with long term revenue refunding bonds when economic and business conditions are appropriate. Debt financing for capital projects will not exceed the useful life of the asset, and in no case shall the term exceed 30 years. There shall always be at least interest paid in the first fiscal year after the sale of the revenue refunding bonds and principle starting generally no later than the second fiscal year after the issue. Bond sales shall be structured to achieve level debt service payments on an issue by issue basis.

Debt Service Coverage Ratio Policy

The Debt Service Coverage Ratio is estimated at 2.60 for FY 2018, compared to 3.32 unaudited actual for FY 2017, and 2.34 in the Approved FY 2017 Budget.

The Utility's minimum coverage for Senior lien debt is 1.25 times which is required by bond covenants.

Transfers to the City

The issuance of the 2005A and 2005B refunding bonds modified certain existing covenants which included the calculation of the transfers to the City. Beginning FY 2006, transfers to the City are made on a quarterly basis calculated at ten percent (10%) of the gross revenues received for the preceding fiscal year quarter, as adjusted in accordance with the following: (1) prior to applying the percentage set forth above to determine the amount to be transferred to the City, the amount of gross revenues for a fiscal year quarter shall be reduced by an amount equal to all costs for the purchase of power and fuel paid or incurred by the Brownsville PUB during such fiscal year quarter as well as funding requirements for the SRWA and (2) the amount of funds to be transferred to the City shall be reduced by any amounts owed by the City to the Brownsville PUB for utility services.

Prior to FY 2006, Article VI of the Charter provided for the transfer to the City's general fund by the Brownsville PUB from "Surplus Funds" available at the close of each fiscal year (after retaining in the Plant Fund an amount deemed by the Brownsville PUB to be sufficient to pay system operation and maintenance expenses for the next 60 days), to the extent available, the greater of \$400,000 or 50% of such surplus funds. Surplus funds, as defined in the Charter, are amounts remaining in the Plant Fund at the close of each fiscal year after all Charter requirements and after all payments have been fully and timely made into funds created by ordinances authorizing outstanding bonds secured by a pledge of the system's net revenues. Required payments to the City for the years ended September 30, 2017 and 2016 totaled \$10,748,466 and \$9,822,603, respectively, of which \$3,104,705 and \$2,748,855, respectively, was payable at September 30, 2017 and 2016.

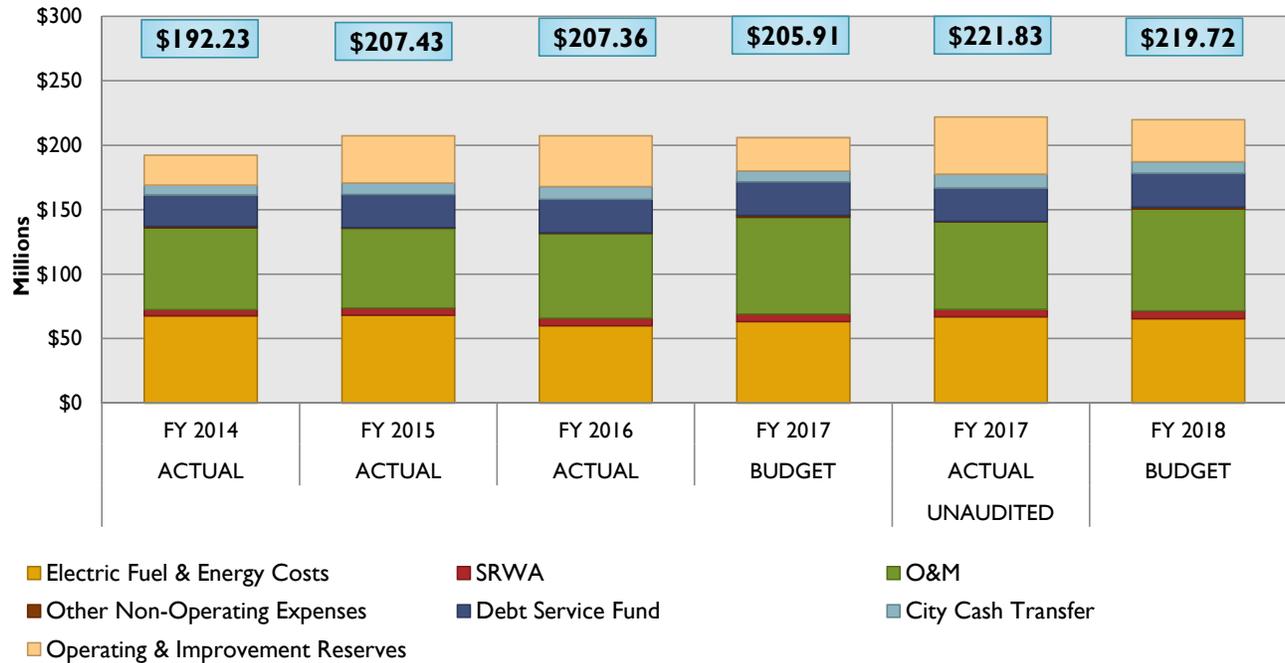
Following is the computation for distribution to the City of Brownsville for FY 2018:

Gross Revenue	\$ 219,718,683
Less:	
Fuel & Energy Costs	60,508,085
Off-system Sales Expenses	4,875,000
Southmost Regional Water Authority (SRWA)	5,934,637
Adjusted Gross Revenues	<u>\$ 148,400,961</u>
Budgeted COB Transfer at 10% of Adjusted Gross Revenues	\$ 14,840,096
Less:	
COB Usage	(5,587,676)
Net Cash Transfer to COB	<u>\$ 9,252,420</u>

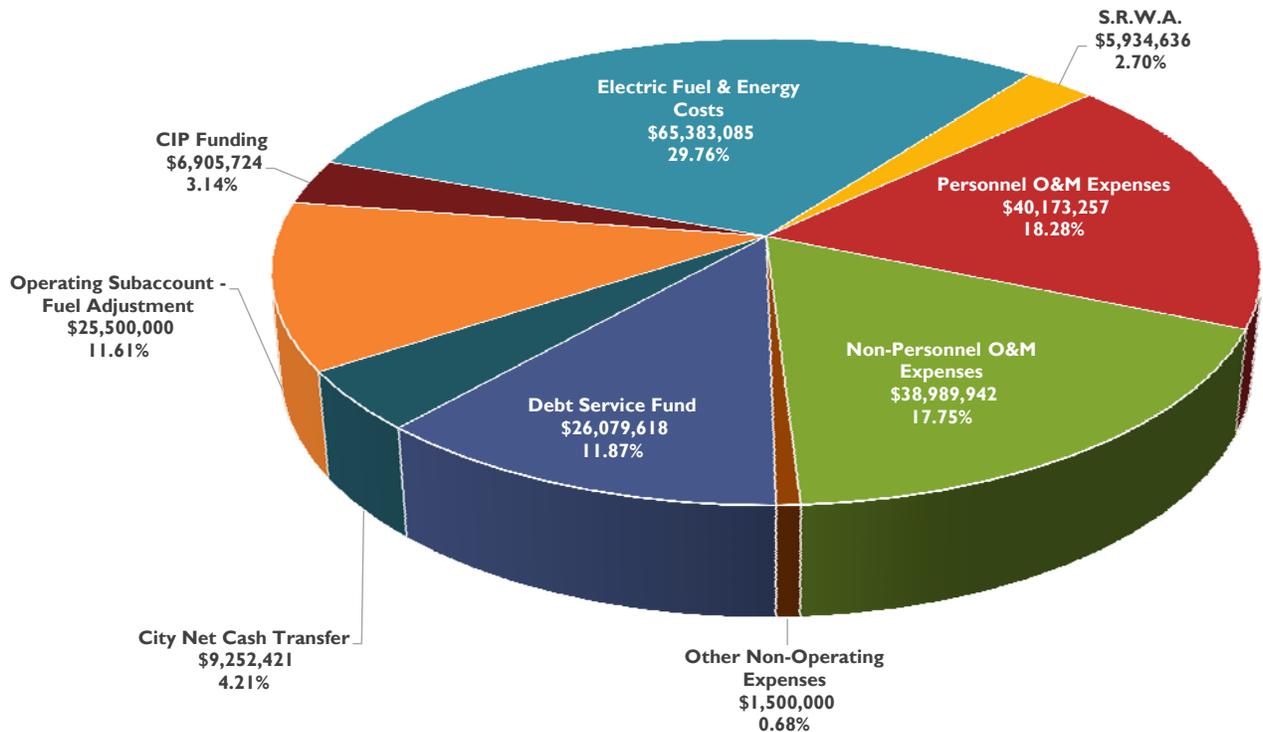
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BUDGET RECAP

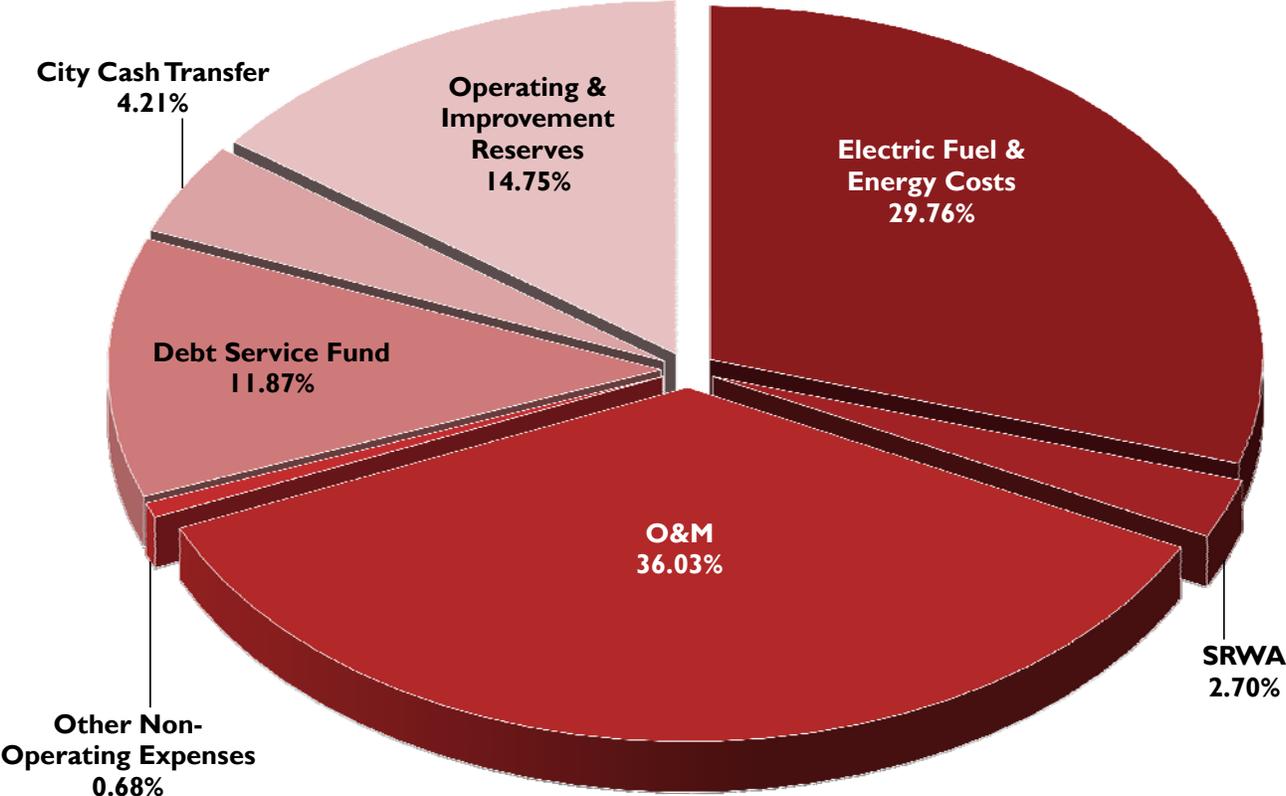
TOTAL COMBINED UTILITY REQUIREMENTS



FY 2018 USES OF FUNDS (\$219,718,683)



FY 2018 REQUIREMENTS AS A PERCENT OF TOTAL BUDGET

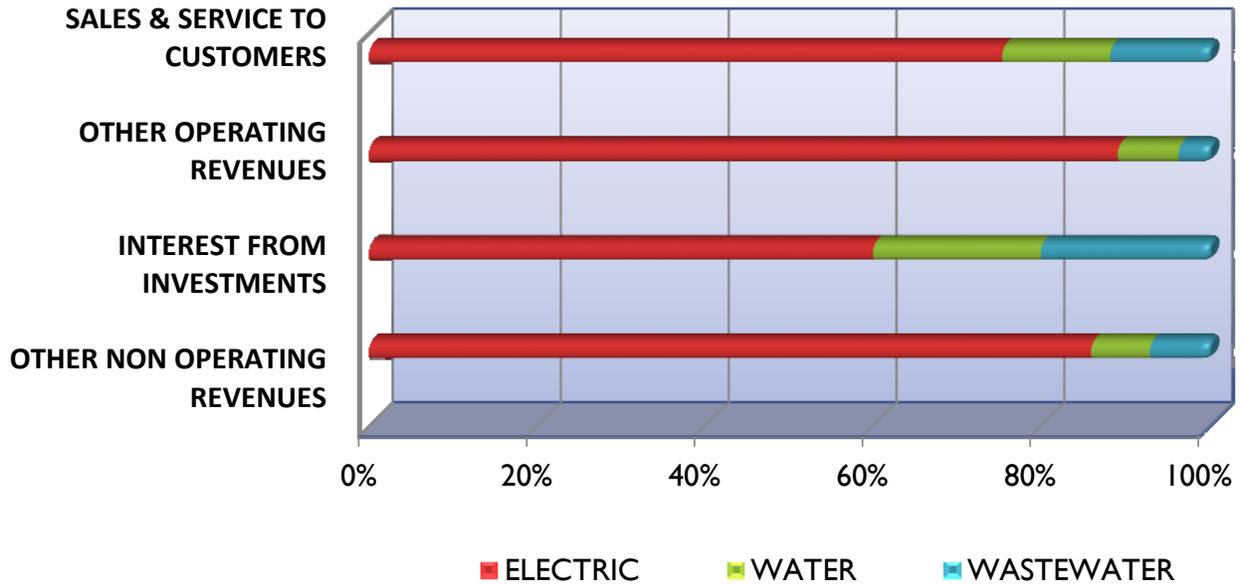


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BUDGET RECAP FY 2018 REVENUES

	SALES & SERVICE TO CUSTOMERS	OTHER OPERATING REVENUES	INTEREST FROM INVESTMENTS	OTHER NON- OPERATING REVENUES	TOTAL
ELECTRIC	\$ 149,409,700	\$ 16,552,567	\$ 900,000	\$ 1,290,000	\$ 168,152,267
WATER	25,512,125	1,347,390	300,000	105,000	27,264,515
WASTEWATER	23,233,202	663,700	300,000	105,000	24,301,902
TOTAL REVENUE	\$ 198,155,026	\$ 18,563,657	\$ 1,500,000	\$ 1,500,000	\$ 219,718,683

FY 2018 REVENUES Utility Percent by Revenue Type



**OPERATIONS & MAINTENANCE EXPENSE RECAP BY TYPE
FY 2008 - FY 2018**

TYPE	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
61 Personnel Salaries & Wages	\$ 16,280,172	\$ 17,226,687	\$ 18,084,903	\$ 19,028,839	\$ 19,761,782	\$ 21,047,184
62 Personnel Services	9,646,049	10,768,548	10,055,961	10,127,334	9,847,583	10,765,207
71 Operating Office Expenses	4,503,929	3,946,984	4,034,828	3,894,947	3,896,372	4,159,671
72 Operating Materials & Supplies	4,663,022	4,771,990	4,544,250	5,081,043	5,246,147	5,362,003
73 Operating Miscellaneous General Exp	8,744,332	9,120,594	9,778,898	10,582,578	11,894,623	10,033,119
74 Operating Transportation Expense	1,158,666	807,294	973,497	1,123,541	1,060,732	1,132,352
75 Operating Maint. of General Plant	833,581	1,346,455	3,105,675	3,234,646	2,794,117	2,029,564
76 Operating Consultants/Outside Svc	6,762,368	8,018,066	6,545,497	6,739,576	7,946,964	9,159,599
77 Operating Fuel & Purchase Power	96,796,434	62,993,313	57,515,639	54,164,284	48,449,645	54,041,195
78 Operating Purch/Minor Tools & Equip	923,648	798,764	773,388	811,621	799,817	786,125
Grand Total	\$ 150,312,200	\$ 119,798,696	\$ 115,412,536	\$ 114,788,408	\$ 111,697,781	\$ 118,516,018
LESS:						
Fuel & Purchased Power & Off System Expenses	\$ 96,796,434	\$ 62,993,313	\$ 57,515,639	\$ 54,164,284	\$ 48,449,645	\$ 54,041,195
SRWA Obligations	4,281,955	4,352,653	4,566,315	4,811,178	5,616,176	4,867,682
Subtotal	\$ 49,233,812	\$ 52,452,729	\$ 53,330,582	\$ 55,812,946	\$ 57,631,960	\$ 59,607,141
Less Personnel	\$ 25,926,221	\$ 27,995,235	\$ 28,140,864	\$ 29,156,174	\$ 29,609,365	\$ 31,812,390
Non-Personnel	\$ 23,307,592	\$ 24,457,494	\$ 25,189,717	\$ 26,656,774	\$ 28,022,595	\$ 27,794,751

TYPE	FY 2014	FY 2015	FY 2016	APPROVED FY 2017 BUDGET	UNAUDITED FY 2017	APPROVED FY 2018 BUDGET
61 Personnel Salaries & Wages	\$ 22,404,937	\$ 23,121,728	\$ 24,070,435	\$ 25,169,777	\$ 25,754,029	\$ 27,142,997
62 Personnel Services	11,521,694	10,151,354	12,823,206	14,908,007	13,924,474	13,030,259
71 Operating Office Expenses	4,554,927	4,698,777	4,889,941	5,240,674	4,637,421	5,184,998
72 Operating Materials & Supplies	4,982,058	4,846,856	4,788,075	4,420,393	3,986,806	4,733,891
73 Operating Miscellaneous General Exp	9,773,350	11,042,760	10,629,351	12,068,217	11,483,269	12,588,149
74 Operating Transportation Expense	1,219,496	1,072,288	1,006,454	1,022,890	1,009,558	1,143,348
75 Operating Maint. of General Plant	3,688,413	2,983,094	2,666,119	4,263,859	2,072,951	4,626,004
76 Operating Consultants/Outside Svc	9,059,971	8,449,677	9,712,243	12,751,185	9,754,162	14,790,803
77 Operating Fuel & Purchase Power	67,598,265	68,002,097	59,987,648	63,062,176	66,800,455	65,383,085
78 Operating Purch/Minor Tools & Equip	1,018,516	1,271,213	1,022,540	1,227,071	1,124,543	1,857,385
Grand Total	\$ 135,821,627	\$ 135,639,845	\$ 131,596,011	\$ 144,134,251	\$ 140,547,669	\$ 150,480,920
LESS:						
Fuel & Purchased Power & Off System Expenses	\$ 67,598,265	\$ 68,002,097	\$ 59,987,648	\$ 63,062,176	\$ 66,800,455	\$ 65,383,085
SRWA Obligations	4,942,996	5,738,013	5,910,676	5,878,725	5,878,725	5,934,637
Subtotal	\$ 63,280,366	\$ 61,899,735	\$ 65,697,687	\$ 75,193,350	\$ 67,868,489	\$ 79,163,198
Less Personnel	\$ 33,926,631	\$ 33,273,082	\$ 36,893,641	\$ 40,077,785	\$ 39,678,503	\$ 40,173,256
Non-Personnel	\$ 29,353,735	\$ 28,626,653	\$ 28,804,046	\$ 35,115,565	\$ 28,189,986	\$ 38,989,942

Note:

Type 61 & 62 Personnel O&M Totals include \$1,784,912 and \$1,939,968 from other O&M Personnel Supplements for FY 2017 and 2016, respectively.

OPERATIONS & MAINTENANCE EXPENSE RECAP BY DEPARTMENT & TYPE FY 2018

		TYPE DESCRIPTION					
		61	62	71	72	73	74
ORG.		SALARIES & WAGES	PERSONNEL SERVICES	OFFICE EXPENSES	MATERIALS & SUPPLIES	MISC. GENERAL EXP.	TRANSP. EXP.
NO.	DEPARTMENT						
1110	General Manager	\$ 350,363	\$ 111,524	\$ 52,550	\$ 750	\$ 1,500	\$ -
1120	Internal Audit	205,899	77,627	15,825	100	765	500
1125	Key Account Marketing	195,997	82,915	28,240	250	11,000	800
1130	Communications & Administrative Svc	159,897	62,602	14,300	750	7,000	-
1135	Communications & Public Relations	228,010	89,163	394,427	4,000	75,600	500
1140	Organizational Development	194,147	72,672	32,100	500	4,200	200
1145	Electrical Systems	306,929	111,452	7,611	300	500	-
1150	Board of Directors	-	-	92,775	500	9,000	-
1165	Records Management	142,056	63,947	10,500	700	26,000	1,000
1410	Environmental Services	337,359	144,086	22,327	25,500	488,200	1,700
1420	Environmental Compliance	385,952	150,096	34,650	25,750	30,750	1,000
1422	Analytical Lab	745,734	300,159	69,900	135,200	31,287	5,500
1430	Pre-treatment	384,206	161,444	16,430	9,000	10,000	2,500
1435	Cross Connection Control	139,740	54,692	7,400	6,200	5,500	1,500
1440	Health & Safety	352,775	136,594	54,320	32,700	51,750	7,200
2110	Elec Trans & Dist Support Services	-	-	-	-	-	-
2120	Substations and Relaying	1,103,515	431,106	123,500	26,200	64,500	13,500
2130	Elec Trans&Dist New Construction	710,710	306,573	17,350	111,250	67,000	50,000
2140	Elec Trans & Dist Maintenance	758,137	320,841	4,750	95,500	60,700	50,000
2150	Energy Control Center Operations	987,744	364,060	76,537	600	7,700	500
2210	SCADA & Electrical Support Services	1,145,909	459,844	30,295	255,000	407,800	18,000
2220	Power Production	1,542,108	601,211	255,417	110,385	36,500	3,400
2310	Electric Meter Shop	330,568	145,443	10,350	28,000	9,100	7,000
2410	Electric Engineering	576,876	225,962	21,630	3,400	3,500	2,700
3110	W&WW Eng. Planning & Operations	115,728	49,524	15,495	-	1,500	-
3120	Water Plant I	414,937	185,685	257,175	807,973	8,000	1,500
3130	Water Plant II	302,378	135,970	227,086	742,578	8,000	1,500
3135	Resaca Maintenance	375,011	167,152	17,645	133,979	13,600	36,000
3140	Raw Water Supply	130,632	63,903	170,650	85,900	3,050	15,000
3145	W/WW Plant Maintenance	597,897	246,313	12,440	113,171	20,600	19,000
3150	W/WW Operations & Construction	2,166,704	948,893	64,000	636,200	62,000	180,000
3210	South Wastewater Treatment Plant	383,055	168,156	481,900	151,754	15,950	20,500
3220	Robindale Wastewater Treatment Plnt	676,245	296,892	528,810	231,030	45,050	122,148
3230	Wastewater Lift Stations	1,372,341	586,737	605,724	722,800	41,200	73,700
3310	Water & Wastewater Engineering	593,398	230,799	33,989	3,000	17,418	17,000
4105	Operations	311,126	107,648	19,350	-	500	-
4110	Energy Risk Management	88,837	27,840	11,800	400	500	-
4210	NERC Compliance	328,910	122,249	20,450	200	76,500	-
4220	Fuel & Purchased Energy Supply	130,707	53,122	7,700	-	901,000	-
4230	Natural Gas Utility Management	-	-	2,100	-	500	-
4310	Operational Support Services	408,315	144,814	18,350	650	3,500	-
5110	Finance	531,116	188,504	54,494	300	12,000	-
5120	Accounting	658,791	275,923	24,906	175	1,376	-
5130	Purchasing	338,218	141,613	43,455	1,450	4,600	-
5140	Revenue Recovery	135,326	60,261	3,291	5,905	4,088	3,000
6105	Customer & Information Services	195,791	77,672	10,245	-	50,300	-
6110	Customer Service	496,369	222,343	9,250	500	6,000	-
6115	Collections	137,260	65,174	1,500	500	800,600	-
6120	Billing	258,141	127,549	346,740	54,000	87,300	4,000
6125	Call Center	345,547	176,480	5,050	1,100	1,200	-
6130	Meter Services	369,979	159,699	9,280	11,092	17,550	25,000
6135	CIS Support	171,276	62,502	9,047	300	600	-
6145	Energy Efficiency & Conservation	48,632	20,392	8,708	400	457,600	-
6150	Meter Reading	376,202	191,575	9,340	13,000	26,900	18,000
6160	Cashiers	282,511	136,880	11,930	4,500	1,000	-
7120	Risk/Insurance Management	100,972	39,240	2,800	150	2,215,850	2,000
7130	Information Technology	1,007,181	402,003	225,200	7,000	1,400	1,000
7135	Geographic Information Systems	439,822	189,938	24,800	3,000	172,000	5,000
7140	Human Resources	172,255	378,906	53,274	500	63,100	-
7145	Talent Acquisition and Staffing	190,613	93,618	46,980	500	1,700	-
7150	Fleet Management	380,151	150,927	39,500	45,500	41,800	429,000
7155	Compensation & Benefits	226,575	143,651	27,850	500	4,500	-
7160	Facility Maintenance	144,447	68,391	329,510	76,000	678	-
7170	Warehouse	194,858	107,992	-	4,850	2,600	2,500
9110	Company-wide Expenses	260,114	1,539,317	-	500	5,984,687	-
9150	Prior FY Encumbered Budget	-	-	-	-	-	-
	Grand Total	\$ 27,142,997	\$ 13,030,259	\$ 5,184,998	\$ 4,733,892	\$ 12,588,149	\$ 1,143,348
LESS:							
	Fuel & Purchase Power	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	SRWA Obligations	-	-	-	-	5,934,637	-
	TOTAL OPERATIONS & MAINTENANCE	\$ 27,142,997	\$ 13,030,259	\$ 5,184,998	\$ 4,733,892	\$ 6,653,512	\$ 1,143,348

**OPERATIONS & MAINTENANCE EXPENSE RECAP BY DEPARTMENT & TYPE
FY 2018**

TYPE DESCRIPTION					
	75	76	77	78	
			FUEL AND		
	MAINT. OF	CONSULTANTS/	PURCHASED	PURCH/MINOR	
	GENERAL PLANT	OUTSIDE SVC.	POWER	TOOLS & EQUIP.	GRAND TOTAL
\$	-	\$ 1,077,000	\$ -	\$ 1,800	\$ 1,595,487
	-	-	-	450	301,166
	-	19,710	-	3,975	342,886
	-	30,000	-	-	274,549
	-	379,450	-	5,936	1,177,086
	-	214,400	-	1,300	519,519
	-	8,700	-	2,175	437,667
	-	152,250	-	900	255,425
	-	301,500	-	16,350	562,053
	-	170,500	-	6,200	1,195,872
	10,000	371,600	-	4,150	1,013,948
	55,594	308,650	-	37,688	1,689,712
	10,000	39,000	-	2,000	634,580
	-	42,000	-	1,000	258,032
	-	1,232,300	-	89,750	1,957,388
	-	-	-	-	-
	153,000	63,000	-	60,000	2,038,321
	101,800	13,200	-	46,700	1,424,583
	428,200	11,500	-	123,500	1,853,128
	2,350	1,250	-	5,734	1,446,475
	66,000	265,000	-	104,000	2,751,848
	1,914,660	300,740	9,042,085	2,000	13,808,506
	124,500	2,000	-	10,500	667,461
	270,900	1,396,840	-	14,697	2,516,505
	-	20,000	-	3,840	206,087
	149,400	117,600	-	52,050	1,994,320
	75,000	175,000	-	28,500	1,696,012
	100	54,000	-	1,200	798,686
	305,000	288,500	-	18,050	1,080,685
	-	676,000	-	38,000	1,723,421
	787,500	900,089	-	230,312	5,975,698
	41,000	49,100	-	20,400	1,331,814
	49,500	86,900	-	39,600	2,076,176
	18,100	315,000	-	256,700	3,992,302
	400	135,694	-	10,534	1,042,232
	-	250,000	-	750	689,374
	-	100,000	-	13,000	242,376
	-	3,000	-	7,000	558,309
	-	100,000	56,341,000	4,600	57,538,129
	-	25,000	-	-	27,600
	-	67,500	-	900	644,029
	-	250,000	-	3,050	1,039,464
	-	25,294	-	700	987,166
	15,000	500	-	-	544,836
	-	-	-	400	212,271
	-	16,500	-	-	350,508
	-	57,700	-	13,860	806,022
	-	15,000	-	-	1,020,034
	-	6,000	-	500	884,229
	-	47,550	-	3,780	580,707
	1,000	4,000	-	500	598,100
	-	235,162	-	1,600	480,488
	-	38,000	-	750	574,482
	1,500	11,000	-	1,000	648,517
	-	423,104	-	11,000	870,926
	-	125,000	-	2,200	2,488,212
	-	912,400	-	355,604	2,911,788
	-	235,000	-	40,700	1,110,260
	-	292,250	-	20,800	981,084
	-	40,000	-	2,000	375,410
	-	384,000	-	21,000	1,491,878
	-	116,920	-	29,500	549,496
	45,000	531,000	-	400	1,195,425
	500	27,200	-	1,800	342,300
	-	1,233,250	-	80,000	9,097,869
	-	-	-	-	-
\$	4,626,004	\$ 14,790,803	\$ 65,383,085	\$ 1,857,385	\$ 150,480,920
\$	-	\$ -	\$ 65,383,085	\$ -	\$ 65,383,085
	-	-	-	-	5,934,637
\$	4,626,004	\$ 14,790,803	\$ 0	\$ 1,857,385	\$ 79,163,198

OPERATIONS & MAINTENANCE EXPENSE RECAP BY DEPARTMENT FY 2014 – FY 2018

ORG. NO.	DEPARTMENT	Actual FY 2014	Actual FY 2015	Actual FY 2016	Approved Budget FY 2017	UNAUDITED Actual FY 2017	Approved Budget FY 2018
1110	General Manager	\$ 1,758,450	\$ 1,470,183	\$ 1,540,110	\$ 1,534,547	\$ 2,032,969	\$ 1,595,487
1120	Internal Audit	290,130	263,607	288,679	287,969	300,971	301,166
1125	Key Account Marketing	140,389	188,488	258,213	324,585	342,444	342,886
1130	Communications & Administrative Svc	295,303	237,857	264,770	266,293	256,773	274,549
1135	Communications & Public Relations	736,094	704,861	735,295	1,090,571	798,353	1,177,086
1140	Organizational Development	350,661	334,940	338,837	413,575	298,834	519,519
1145	Electrical Systems	253,326	(5,326)	398,992	413,563	451,444	437,667
1150	Board of Directors	264,117	308,905	245,009	419,975	295,189	255,425
1165	Records Management	204,587	170,244	212,713	247,167	335,606	562,053
1410	Environmental Services	881,209	1,046,889	998,941	1,118,993	1,179,877	1,195,872
1420	Environmental Compliance	875,292	878,168	949,894	924,442	955,787	1,013,948
1422	Analytical Lab	1,454,372	1,535,075	1,563,751	1,615,555	1,602,406	1,689,712
1430	Pre-treatment	672,845	778,529	923,679	806,763	590,589	634,580
1435	Cross Connection Control	-	-	-	-	212,021	258,032
1440	Health & Safety	1,012,000	1,019,317	1,094,945	1,240,437	1,255,484	1,957,388
2110	Elect Trans & Dist Support Services	127,050	196,306	27,493	195,250	-	-
2120	Substations and Relaying	1,026,105	1,076,642	1,651,724	1,825,305	2,011,867	2,038,321
2130	Elec Trans&Dist New Construction	1,215,946	1,240,409	1,213,610	1,409,852	1,275,289	1,424,583
2140	Elec Trans & Dist Maintenance	2,483,879	2,423,675	2,097,581	1,810,025	1,742,522	1,853,128
2150	Energy Control Center Operations	1,280,018	1,323,880	1,375,352	1,420,107	1,562,551	1,446,475
2210	SCADA & Electrical Support Services	61,353,772	1,941,985	2,031,367	2,245,354	2,177,222	2,171,848
2220	Power Production	13,735,239	13,406,402	11,551,629	14,082,923	12,369,694	13,808,506
2310	Electric Meter Shop	559,199	583,928	604,615	633,610	638,295	667,461
2410	Electric Engineering	1,596,731	1,628,751	1,957,105	2,479,632	2,066,884	2,516,505
3110	W&WW Eng, Planning & Operations	204,461	212,697	214,194	185,458	234,497	206,087
3120	Water Plant I	1,615,837	1,539,797	1,412,958	1,772,096	1,555,832	1,994,320
3130	Water Plant II	1,293,962	1,330,505	1,482,192	1,598,265	1,233,988	1,696,012
3135	Resaca Maintenance	1,988,617	1,994,289	1,269,068	1,000,000	586,652	798,686
3140	Raw Water Supply	346,835	467,096	408,058	496,852	480,936	1,080,685
3145	W/WW Plant Maintenance	1,066,212	1,078,039	1,117,214	1,305,076	1,314,270	1,723,421
3150	W/WW Operations & Construction	4,400,794	4,867,291	4,929,683	5,019,998	5,025,057	5,975,698
3210	South Wastewater Treatment Plant	1,341,374	1,206,850	1,334,827	1,293,996	1,203,968	1,331,814
3220	Robindale Wastewater Treatment Plnt	1,545,107	1,541,478	1,483,391	1,584,750	1,919,100	2,076,176
3230	Wastewater Lift Stations	4,171,002	4,018,535	4,238,507	3,689,779	3,999,940	3,992,302
3310	Water & Wastewater Engineering	1,257,974	961,672	851,943	984,893	706,587	1,042,232
4105	Operations	64,261	593,158	626,414	550,950	769,472	689,374
4110	Energy Risk Management	85,669	189,885	236,168	288,610	160,315	242,376
4210	NERC Compliance	81,621	345,388	401,075	539,172	517,549	558,309
4220	Fuel & Purchased Energy Supply	72,456	59,434,409	51,995,660	54,834,214	58,494,891	57,538,129
4230	Natural Gas Utility Management	-	-	-	27,600	-	27,600
4310	Operational Support Services	100,561	160,133	593,405	597,350	581,470	644,029
5110	Finance	747,328	644,433	935,475	991,345	958,501	1,039,464
5120	Accounting	629,252	593,214	897,366	938,442	1,018,251	987,166
5130	Purchasing	316,717	338,381	500,548	537,950	584,856	544,836
5140	Revenue Recovery	204,369	202,753	204,699	211,040	205,914	212,271
6105	Customer & Information Services	299,291	314,368	308,382	383,412	355,730	350,508
6110	Customer Service	607,131	714,320	805,405	796,656	808,013	806,022
6115	Collections	159,686	699,408	206,162	906,110	1,202,459	1,020,034
6120	Billing	726,634	792,543	836,909	840,856	825,183	884,229
6125	Call Center	470,010	453,762	531,491	517,618	570,248	580,707
6130	Meter Services	498,367	552,826	509,206	585,454	556,073	598,100
6135	CIS Support	345,706	414,970	379,808	440,992	426,587	480,488
6145	Energy Efficiency & Conservation	299,778	279,542	533,175	568,625	574,794	574,482
6150	Meter Reading	613,681	717,684	610,082	715,110	648,381	648,517
6160	Cashiers	862,637	822,641	882,740	862,918	924,464	870,926
7120	Risk/Insurance Management	1,976,056	2,101,642	1,956,645	2,376,215	2,004,232	2,488,212
7130	Information Technology	2,199,603	2,385,081	2,490,559	2,422,779	2,535,125	2,911,788
7135	Geographic Information Systems	996,970	1,078,671	998,949	1,132,828	966,828	1,110,260
7140	Human Resources	986,040	1,049,416	1,060,363	1,064,398	639,903	981,084
7145	Talent Acquisition and Staffing	-	-	198,064	319,408	266,539	375,410
7150	Fleet Management	1,342,006	1,293,547	1,720,059	1,502,983	1,618,572	1,491,878
7155	Compensation & Benefits	-	-	-	496,759	471,791	549,496
7160	Facility Maintenance	818,472	881,109	1,088,737	1,157,282	1,149,648	1,195,425
7170	Warehouse	211,844	219,458	308,272	310,522	323,286	342,300
9110	Company-wide Expenses	6,807,400	6,276,702	8,300,445	11,478,996	7,369,997	9,097,868
9150	Prior FY Encumbered Budget	1,499,193	118,435	413,404	-	4,699	-
TOTAL APPROPRIATIONS		\$ 135,821,627	\$ 135,639,845	\$ 131,596,011	\$ 144,134,251	\$ 140,547,669	\$ 150,480,920
LESS:							
FUEL & PURCHASED POWER		\$ 67,598,265	\$ 68,002,097	\$ 59,987,648	\$ 63,062,176	\$ 65,800,455	\$ 65,383,085
SRWA ASSESSMENTS		4,942,996	5,738,013	5,910,676	5,878,725	5,878,725	5,934,637
TOTAL OPERATIONS & MAINTENANCE		\$ 63,280,366	\$ 61,899,735	\$ 65,697,687	\$ 75,193,350	\$ 68,868,489	\$ 79,163,198

Note:

1. Does not include Southmost Regional Water Authority (SRWA).

**OPERATIONS & MAINTENANCE EXPENSE RECAP BY DEPARTMENT
FY 2018 Budget**

ORGN	DEPARTMENT	OPERATIONS & MAINTENANCE		TOTAL O&M
		PERSONNEL	NON-PERSONNEL	
1110	General Manager	\$ 461,887	\$ 1,133,600	\$ 1,595,487
1120	Internal Audit	283,526	17,640	301,166
1125	Key Account Marketing	278,911	63,975	342,886
1130	Communications & Administrative Svc	222,499	52,050	274,549
1135	Communications & Public Relations	317,173	859,913	1,177,086
1140	Organizational Development	266,819	252,700	519,519
1145	Electrical Systems	418,381	19,286	437,667
1150	Board of Directors	-	255,425	255,425
1165	Records Management	206,003	356,050	562,053
1410	Environmental Services	481,445	714,427	1,195,872
1420	Environmental Compliance	536,048	477,900	1,013,948
1422	Analytical Lab	1,045,893	643,819	1,689,712
1430	Pre-treatment	545,650	88,930	634,580
1435	Cross Connecton Control	194,432	63,600	258,032
1440	Health & Safety	489,368	1,468,020	1,957,388
2110	Elect Trans & Dist Support Services	-	-	-
2120	Substations and Relaying	1,534,621	503,700	2,038,321
2130	Elec Trans&Dist New Construction	1,017,283	407,300	1,424,583
2140	Elec Trans & Dist Maintenance	1,078,978	774,150	1,853,128
2150	Energy Control Center Operations	1,351,804	94,671	1,446,475
2210	SCADA & Electrical Support Services	1,605,753	1,146,095	2,751,848
2220	Power Production	2,143,319	11,665,187	13,808,506
2310	Electric Meter Shop	476,011	191,450	667,461
2410	Electric Engineering	802,838	1,713,667	2,516,505
3110	W&WW Eng, Planning & Operations	165,252	40,835	206,087
3120	Water Plant I	600,622	1,393,698	1,994,320
3130	Water Plant II	438,348	1,257,664	1,696,012
3135	Resaca Maintenance	542,163	256,524	798,686
3140	Raw Water Supply	194,535	886,150	1,080,685
3145	W/WW Plant Maintenance	844,210	879,211	1,723,421
3150	W/WW Operations & Construction	3,115,597	2,860,101	5,975,698
3210	South Wastewater Treatment Plant	551,210	780,604	1,331,814
3220	Robindale Wastewater Treatment Plnt	973,138	1,103,038	2,076,176
3230	Wastewater Lift Stations	1,959,078	2,033,224	3,992,302
3310	Water & Wastewater Engineering	824,197	218,035	1,042,232
4105	Operations	418,774	270,600	689,374
4110	Energy Risk Management	116,676	125,700	242,376
4210	NERC Compliance	451,159	107,150	558,309
4220	Fuel & Purchased Energy Supply	183,829	57,354,300	57,538,129
4230	Natural Gas Utility Management	-	27,600	27,600
4310	Operational Support Services	553,129	90,900	644,029
5110	Finance	719,620	319,844	1,039,464
5120	Accounting	934,715	52,451	987,166
5130	Purchasing	479,831	65,005	544,836
5140	Revenue Recovery	195,587	16,684	212,271
6105	Customer & Information Services	273,463	77,045	350,508
6110	Customer Service	718,712	87,310	806,022
6115	Collections	202,434	817,600	1,020,034
6120	Billing	385,689	498,540	884,229
6125	Call Center	522,027	58,680	580,707
6130	Meter Services	529,678	68,422	598,100
6135	CIS Support	233,778	246,710	480,488
6145	Energy Efficiency & Conservation	69,024	505,458	574,482
6150	Meter Reading	567,777	80,740	648,517
6160	Cashiers	419,391	451,534	870,926
7120	Risk/Insurance Management	140,212	2,348,000	2,488,212
7130	Information Technology	1,409,184	1,502,604	2,911,788
7135	Geographic Information Systems	629,760	480,500	1,110,260
7140	Human Resources	551,160	429,924	981,084
7145	Talent Acquisition and Staffing	284,230	91,180	375,410
7150	Fleet Management	531,078	960,800	1,491,878
7155	Compensation & Benefits	370,226	179,270	549,496
7160	Facility Maintenance	212,837	982,588	1,195,425
7170	Warehouse	302,850	39,450	342,300
9110	Company-wide Expenses	1,799,431	7,298,437	9,097,868
9150	Prior FY Encumbered Budget	-	-	-
	TOTAL APPROPRIATIONS	\$ 40,173,256	\$ 110,307,664	\$ 150,480,920
LESS:				
	FUEL & PURCHASED POWER	\$ -	\$ 65,383,085	\$ 65,383,085
	SRWA ASSESSMENTS	-	5,934,637	5,934,637
	TOTAL OPERATIONS & MAINTENANCE	\$ 40,173,256	\$ 38,989,942	\$ 79,163,198

**FY 2018 APPROVED BUDGETED NUMBER OF POSITIONS
BY DIVISION/ORGANIZATION**

DIVISION NAME	ORGANIZATION	POSITION TITLE	NUMBER OF POSITIONS
Communications & Admin Svc Division	1130 Communications & Administrative Svc	DIRECTOR OF COMM/ADMIN SERV	1
		SENIOR ADMINISTRATIVE ASST	1
		ORG TOTAL:	2
	1135 Communications & Public Relations	COMMUNICATIONS & PR COORD	1
		COMMUNICATIONS & PR MANAGER	1
		SENIOR COMM & PR COORDINATOR	1
		SENIOR WEB SERVICES COORD	1
		ORG TOTAL:	4
	1165 Records Management	RECORDS MANAGEMENT COORD	1
		RECORDS MANAGER	1
		SENIOR RECORDS ASSISTANT	1
		ORG TOTAL:	3
	1440 Health & Safety	ADMINISTRATIVE ASSISTANT	1
		HEALTH & SAFETY MANAGER	1
		SECURITY COORDINATOR	1
		SENIOR SAFETY COORDINATOR	1
		SENIOR SAFETY TRAINING COORD	1
WORKERS' COMPENSATION COORD		1	
	ORG TOTAL:	6	
7120 Risk/Insurance Management	RISK MANAGEMENT APPRENTICE	1	
	RISK MANAGER	1	
		ORG TOTAL:	2
	DIVISION TOTAL:	17	
Customer & Information Svc Division	1125 Key Account Marketing	BUS DEVL & KEY ACCTS MANAGER	1
		BUSINESS DEVELOPMENT REP	1
		KEY ACCOUNTS REPRESENTATIVE	1
		SENIOR KEY ACCOUNTS REP	1
		ORG TOTAL:	4
	6105 Customer & Information Services	ADMINISTRATIVE ASSISTANT	1
		ADMINISTRATIVE CLERK	1
		DIR OF CUST SERV/INFO TECH	1
		ORG TOTAL:	3
	6110 Customer Service	CUSTOMER SERVICE MANAGER	1
		CUSTOMER SERVICE SUPERVISOR	1
		CUSTOMER SOLUTIONS REP	5
		LEAD CUSTOMER SOLUTIONS REP	5
		SENIOR CUSTOMER SOLUTIONS REP	1
		ORG TOTAL:	13
	6115 Collections	ACTING CUSTOMER SERVICE SUPER	1
		CUSTOMER SERVICE SUPERVISOR	1
		CUSTOMER SOLUTIONS REP	1
		SENIOR CUSTOMER SOLUTIONS REP	1
		ORG TOTAL:	4
	6120 Billing	CUSTOMER SERVICE SUPERVISOR	1
		CUSTOMER SOLUTIONS REP	3
		LEAD CUSTOMER SOLUTIONS REP	1
		MESSENGER	1
		SENIOR CUSTOMER SOLUTIONS REP	2
		ORG TOTAL:	8
	6125 Call Center	CUSTOMER SERVICE SUPERVISOR	1
CUSTOMER SOLUTIONS REP		9	
LEAD CUSTOMER SOLUTIONS REP		1	
SENIOR CUSTOMER SOLUTIONS REP		1	
	ORG TOTAL:	12	
6130 Meter Services	METER SERVICES SUPERVISOR	1	
	METER SERVICES TECHNICIAN	4	
	SENIOR METER SERVICES TECH	5	
	ORG TOTAL:	10	
6135 CIS Support	CIS SUPPORT MANAGER	1	
	SENIOR CUST SOLUTIONS ANALYST	2	
	ORG TOTAL:	3	
6145 Energy Efficiency & Conservation	ENERGY EFF & CONSERV COORD	1	
	ORG TOTAL:	1	

**FY 2018 APPROVED BUDGETED NUMBER OF POSITIONS
BY DIVISION/ORGANIZATION – CONTINUED**

DIVISION NAME	ORGANIZATION	POSITION TITLE	NUMBER OF POSITIONS
Customer & Information Svc Division - continued			
	6150 Meter Reading	METER READER	11
		METER READING SUPERVISOR	1
		SENIOR METER READER	2
		ORG TOTAL:	14
	6160 Cashiers	CUSTOMER SERVICE SUPERVISOR	1
		CUSTOMER SOLUTIONS REP	6
		LEAD CUSTOMER SOLUTIONS REP	1
		SENIOR CUSTOMER SOLUTIONS REP	1
		ORG TOTAL:	9
	7130 Information Technology	ADMINISTRATIVE ASSISTANT	1
		AREA MANAGER	1
		COMPUTER TECH SUPPORT SPEC	2
		INFORMATION TECH PROJECT COORD	3
		IT CYBER SECURITY ADM	1
		IT HARDWARE SUPPORT MGR	1
		IT SYS PLAN/PROJECT COORD MGR	1
		IT SYS/SOFTWARE SUPP MGR	1
		LEAD IT NETWORK/COMM SUPP ADM	1
		LEAD MICROCOMPUTER SUPP SPEC	1
		NETWORK ADMINISTRATOR	1
		NETWORK TECH SPECIALIST APPREN	1
		SENIOR INFO TECH PROJECT COORD	1
		SYSTEMS PROGRAMMER ANALYST	1
		WIRELESS COMM & NETWORK COORD	1
		ORG TOTAL:	18
		DIVISION TOTAL:	99
Electrical Systems Division	1145 Electrical Systems	AREA MANAGER	1
		DIRECTOR OF ELECTRICAL SYSTEMS	1
		SENIOR ADMINISTRATIVE ASST	1
		ORG TOTAL:	3
	2120 Substations and Relaying	ADMINISTRATIVE ASSISTANT	1
		ELECTRIC FOREMAN (CERTIFIED)	1
		GROUND WORKER	3
		LEAD RELAY TECHNICIAN	1
		LINEWORKER (CERTIFIED)	5
		LINEWORKER (NON-CERTIFIED)	1
		SENIOR ELECTRONIC TECHNICIAN	5
		SENIOR MAINTENANCE WORKER	1
		SENIOR RELAY COORDINATOR	1
		SUBSTATION SUPERVISOR	1
		SUBSTATION TECHNICIAN	3
		SUBSTATIONS & RELAYING MANAGER	1
		ORG TOTAL:	24
	2130 Elec Trans&Dist New Construction	ADMINISTRATIVE ASSISTANT	1
		APPRENTICE LINEWORKER	6
		ELECTRIC FOREMAN (CERTIFIED)	4
		ELECTRIC OPERATIONS MANAGER	1
		GRADUATE ENGINEER	1
		LINEWORKER (CERTIFIED)	5
		LINEWORKER (NON-CERTIFIED)	2
		MAINTENANCE WORKER	2
		SENIOR MAINTENANCE WORKER	6
		ORG TOTAL:	28
	2140 Elec Trans & Dist Maintenance	APPRENTICE LINEWORKER	7
		ELECTRIC FOREMAN (CERTIFIED)	4
		GROUND WORKER	2
		LINEWORKER (CERTIFIED)	5
		LINEWORKER (NON-CERTIFIED)	1
		MAINTENANCE WORKER	1
		SENIOR MAINTENANCE WORKER	2
		ORG TOTAL:	22

**FY 2018 APPROVED BUDGETED NUMBER OF POSITIONS
BY DIVISION/ORGANIZATION – CONTINUED**

DIVISION NAME	ORGANIZATION	POSITION TITLE	NUMBER OF POSITIONS	
Electrical Systems Division - continued	2150 Energy Control Center Operations	ADMINISTRATIVE ASSISTANT	1	
		DISPATCH CLERK	1	
		ENERGY SYSTEM OPERATIONS MGR	1	
		ENERGY SYSTEM OPERATOR APR	3	
		LEAD ENERGY SYSTEM OPERATOR	4	
		SENIOR ENERGY SYSTEM OPERATOR	5	
		ORG TOTAL:	15	
	2220 Power Production	ADMINISTRATIVE ASSISTANT	1	
		GRADUATE ENGINEER	1	
		LAB TECHNICIAN-OPERATOR	1	
		LD POWER PLANT INSTRUMENT TECH	1	
		MAINTENANCE MECHANIC	3	
		POWER PLANT FOREMAN	6	
		POWER PLANT INSTRUMENT TECH	1	
		POWER PLANT MAINTENANCE SUPR	1	
		POWER PLANT MAINTENANCE TECH	4	
		POWER PLANT MANAGER	1	
		POWER PLANT OPERATIONS SUPR	1	
		POWER PLANT OPERATOR	3	
		SENIOR ENGINEER (REGISTERED)	1	
		SENIOR POWER PLANT OPERATOR	2	
		ORG TOTAL:	27	
	2310 Electric Meter Shop	ELECTRIC METER SHOP SUPERVISOR	1	
		GRADUATE ENGINEER	1	
		METER TECHNICIAN	2	
		METER TECHNICIAN APPRENTICE	2	
		SENIOR METER TECHNICIAN	2	
		ORG TOTAL:	8	
	2410 Electric Engineering	ADMINISTRATIVE ASSISTANT	1	
		CAD DRAFTER	1	
		ENGINEER (REGISTERED)	1	
		ENGINEERING MANAGER	1	
		GRADUATE ENGINEER	7	
		GRADUATE ENGINEER II	1	
		SENIOR ENGINEERING TECHNICIAN	1	
		SENIOR GRADUATE ENGINEER	1	
		ORG TOTAL:	14	
	4220 Fuel & Purchased Energy Supply	FUEL & PURCHASED ENERGY COORD	1	
		FUEL/PURCHASED ENERGY MANAGER	1	
		ORG TOTAL:	2	
		DIVISION TOTAL:	143	
	Environmental Division	1410 Environmental Services	DIR OF ENVIRONMENTAL SERVICES	1
			QUALITY ASSURANCE SPECIALIST	3
			SENIOR ADMINISTRATIVE ASST	1
			ORG TOTAL:	5
		1420 Environmental Compliance	ACTING REGULATORY COMP SPEC	1
			ENVIRONMENTAL MANAGER	1
ENVIRONMENTAL TECHNICIAN			1	
REGULATORY COMPLIANCE SPEC			3	
		ORG TOTAL:	6	
1422 Analytical Lab		ADMINISTRATIVE ASSISTANT	1	
		CHEMIST	1	
		LAB COMPLIANCE COORDINATOR	2	
		LABORATORY MANAGER	1	
		LABORATORY SUPERVISOR	1	
		LABORATORY TECHNICIAN	4	
SENIOR LABORATORY TECHNICIAN		6		
		ORG TOTAL:	16	
1430 Pre-treatment		ADMINISTRATIVE ASSISTANT	1	
		ENVIRO SOFTWARE SOLUTIONS SPEC	1	
	ENVIRONMENTAL TECHNICIAN	3		
	PRETREATMENT COORDINATOR	1		
	PRETREATMENT/CROSS CONN CO MGR	1		
	SENIOR PRETREATMENT COORD	1		
	ORG TOTAL:	8		

**FY 2018 APPROVED BUDGETED NUMBER OF POSITIONS
BY DIVISION/ORGANIZATION – CONTINUED**

DIVISION NAME	ORGANIZATION	POSITION TITLE	NUMBER OF POSITIONS
Environmental Division - continued	1435 Cross Connection Control	CROSS CONNECT COMPLIANCE TECH	1
		LD CROSS CONNECT CONTROL COORD	1
		SENIOR ENVIRONMENTAL TECH	1
		ORG TOTAL:	3
		DIVISION TOTAL:	38
Finance Division	5110 Finance	BUSINESS PROCESS ANALYST	1
		CHIEF FINANCIAL OFFICER	1
		EXECUTIVE ASSISTANT	1
		FINANCIAL MANAGER	1
		SENIOR BUDGET ANALYST	1
		SENIOR FINANCIAL ANALYST	1
		TREAS & ACCT SUPP SERV MANAGER	1
		ORG TOTAL:	7
	5120 Accounting	ACCOUNTANT	4
		ACCOUNTS PAYABLE SUPERVISOR	1
		ACTING CONTROLLER	1
		ACTING FISCAL MANAGER	1
		CONTROLLER	1
		DIRECTOR OF FINANCE	1
		LEAD ACCOUNTING CLERK	5
		PAYROLL SPECIALIST	1
		SENIOR GRANTS COORDINATOR	1
			ORG TOTAL:
	5130 Purchasing	BUYER	3
		CONTRACTS COORDINATOR	1
		MATERIALS & WAREHOUSE MANAGER	1
		PURCHASING CLERK	1
		SENIOR BUYER	1
		ORG TOTAL:	7
	5140 Revenue Recovery	REVENUE RECOVERY SUPERVISOR	1
		REVENUE RECOVERY TECHNICIAN	2
		ORG TOTAL:	3
7160 Facility Maintenance	CUSTODIAN	1	
	FACILITIES MAINT MANAGER	1	
	LEAD CUSTODIAN	2	
	ORG TOTAL:	4	
7170 Warehouse	INVENTORY CONTROL CLERK	1	
	SENIOR STOREKEEPER	1	
	STOREKEEPER	3	
	WAREHOUSE SUPERVISOR	1	
		ORG TOTAL:	6
	DIVISION TOTAL:	43	
General Manager Division	1110 General Manager	GENERAL MANAGER & CEO	1
		SENIOR ADMINISTRATIVE ASST	1
		SENIOR EXECUTIVE ASSISTANT	1
		ORG TOTAL:	3
	1120 Internal Audit	AUDIT MANAGER	1
LEAD INTERNAL AUDITOR		1	
SENIOR INTERNAL AUDITOR		1	
	ORG TOTAL:	3	
	DIVISION TOTAL:	6	
Human Resources Division	1140 Organizational Development	ORGANIZATIONAL DEVL ADMIN	1
		ORGANIZATIONAL DEVL MANAGER	1
		SENIOR ORG DEVL COORDINATOR	1
		ORG TOTAL:	3
	7140 Human Resources	DIRECTOR OF HUMAN RESOURCES	1
		SENIOR ADMINISTRATIVE ASST	1
		ORG TOTAL:	2
7145 Talent Acquisition and Staffing	LEAD TALENT ACQUISITION/STAFF	1	
	TALENT ACQUISITION/STAFF APPR	1	
	TALENT ACQUISITION/STAFF SPEC	2	
		ORG TOTAL:	4

**FY 2018 APPROVED BUDGETED NUMBER OF POSITIONS
BY DIVISION/ORGANIZATION – CONTINUED**

DIVISION NAME	ORGANIZATION	POSITION TITLE	NUMBER OF POSITIONS
Human Resources Division - continued	7155 Compensation & Benefits	COMPENSATION /BENEFITS ANALYST	1
		COMPENSATION/BENEFITS MANAGER	1
		HUMAN RESOURCES COORDINATOR	2
		ORG TOTAL:	4
		DIVISION TOTAL:	13
Operational Support Servcs Division	2210 SCADA & Electrical Support Services	ADMINISTRATIVE ASSISTANT	1
		ELECTRICAL MAINT SUPERVISOR	1
		ELECTRICAL SCADA SUPERVISOR	1
		ELECTRICIAN	5
		INSTRUMENT TECHNICIAN	1
		JOURNEYMAN ELECTRICIAN	1
		MASTER ELECTRICIAN	2
		SCADA & ELEC SUPP SVC MANAGER	1
		SCADA NERC COMP COORD	1
		SCADA NETWORK ADMINISTRATOR	1
		SCADA SYSTEMS ANALYST	1
		SENIOR INSTRUMENT TECHNICIAN	1
		SENIOR SCADA ELECTRONIC TECH	3
		W/WW SCADA SUPERVISOR	1
	W/WW SCADA SYSTEM ADMINISTRATO	1	
	ORG TOTAL:	22	
	3120 Water Plant I	LEAD W/WW OPERATOR	2
		W/WW OPERATOR A	3
		W/WW OPERATOR C	2
		W/WW OPERATOR CHIEF	1
		W/WW OPERATOR D	1
		WATER TREATMENT MANAGER	1
ORG TOTAL:	10		
3130 Water Plant II	LEAD W/WW OPERATOR	1	
	W/WW OPERATOR APPRENTICE	1	
	W/WW OPERATOR B	2	
	W/WW OPERATOR C	3	
	W/WW OPERATOR CHIEF	1	
ORG TOTAL:	8		
3135 Resaca Maintenance	ADMINISTRATIVE ASSISTANT	1	
	DREDGE OPERATOR	2	
	DREDGE TECHNICIAN	1	
	FOREMAN	1	
	LEAD RESACA MAINTENANCE OPER	1	
	MAINTENANCE WORKER	2	
	WATER RESOURCE MANAGER	1	
ORG TOTAL:	9		
3140 Raw Water Supply	LEAD RAW WATER SYS OPERATOR	1	
	RAW WATER SYSTEMS OPERATOR C	2	
	RAW WATER SYSTEMS OPERATOR D	1	
ORG TOTAL:	4		
3210 South Wastewater Treatment Plant	LEAD W/WW OPERATOR	1	
	MOTOR EQUIPMENT OPERATOR	1	
	SENIOR MOTOR EQUIP OPERATOR	1	
	W/WW OPERATOR A	2	
	W/WW OPERATOR B	2	
	W/WW OPERATOR C	1	
	W/WW OPERATOR CHIEF	1	
	W/WW OPERATOR D	1	
	ORG TOTAL:	10	
3220 Robindale Wastewater Treatment Plnt	ADMINISTRATIVE ASSISTANT	1	
	LEAD W/WW OPERATOR	1	
	MOTOR EQUIP OPER /TRANSPORTER	1	
	MOTOR EQUIPMENT OPERATOR	3	
	SENIOR MOTOR EQUIP OPERATOR	1	
	SLUDGE TRANS & DISP SUPERVISOR	1	
	W/WW OPERATOR A	1	
	W/WW OPERATOR B	2	
	W/WW OPERATOR C	3	
	W/WW OPERATOR CHIEF	1	
	W/WW OPERATOR D	1	
	WASTEWATER TREATMENT MANAGER	1	
ORG TOTAL:	17		

**FY 2018 APPROVED BUDGETED NUMBER OF POSITIONS
BY DIVISION/ORGANIZATION – CONTINUED**

DIVISION NAME	ORGANIZATION	POSITION TITLE	NUMBER OF POSITIONS
Operational Support Servcs Division - continued			
	4310 Operational Support Services	AREA MANAGER	2
		DIR OF OPERATIONAL SUPP SERV	1
		SENIOR ADMINISTRATIVE ASST	1
		ORG TOTAL:	4
	7135 Geographic Information Systems	ADMINISTRATIVE ASSISTANT	1
		G.I.S. MANAGER	1
		G.P.S.&G.I.S.TECHNICIAN	1
		GIS SPECIALIST	1
		RIGHT-OF-WAY AGENT	1
		SENIOR GIS SPECIALIST	1
		SENIOR GIS TECHNICIAN	3
		SENIOR RIGHT-OF-WAY AGENT	1
		ORG TOTAL:	10
	7150 Fleet Management	ADMINISTRATIVE ASSISTANT	1
		AUTO/HEAVY DUTY EQUIPMENT TECH	6
		FLEET SERVICES MANAGER	1
		FLEET SYSTEMS COORDINATOR	1
		LD AUTO/HEAVY DUTY EQUIP TECH	1
		ORG TOTAL:	10
		DIVISION TOTAL:	104
Operations Division	4105 Operations	ASST GENERAL MANAGER & COO	1
		EXECUTIVE ASSISTANT	1
		ORG TOTAL:	2
	4110 Energy Risk Management	ENERGY RISK MANAGER	1
		ORG TOTAL:	1
	4210 NERC Compliance	ADMINISTRATIVE ASSISTANT	1
		LEAD NERC COMPLIANCE COORD	1
		NERC COMPL MANAGER & CCO	1
		SENIOR NERC COMPLIANCE COORD	2
		ORG TOTAL:	5
		DIVISION TOTAL:	8
Systems Contingency	9110 Company-wide Expenses	WATER UTILITY	1
		ORG TOTAL:	1
		DIVISION TOTAL:	1
W/WW Eng, Planning & Oper Division	3110 W&WW Eng, Planning & Operations	DIR OF W/WW ENG, PLAN & OPER	1
		SENIOR ADMINISTRATIVE ASST	1
		ORG TOTAL:	2
	3145 W/WW Plant Maintenance	FOREMAN	1
		LEAD MECHANIC	6
		MAINTENANCE MECHANIC	4
		OPERATIONS SOLUTIONS SPEC	1
		SHIFT SUPERVISOR	1
		ORG TOTAL:	13
	3150 W/WW Operations & Construction	ADMINISTRATIVE ASSISTANT	2
		FOREMAN	3
		JOURNEYMAN PLUMBER	1
		MAINTENANCE WORKER	19
		MASTER PLUMBER	1
		MOTOR EQUIPMENT OPERATOR	6
		OPERATIONS & SUPPORT ASSISTANT	1
		PIPELAYER	9
		SENIOR MAINTENANCE WORKER	1
		SENIOR MOTOR EQUIP OPERATOR	3
		SHIFT SUPERVISOR	7
		UTILITY TECHNICIAN	12
		W/WW OPERATIONS MANAGER	1
		WATER METER MECHANIC	1
		ORG TOTAL:	67

**FY 2018 APPROVED BUDGETED NUMBER OF POSITIONS
BY DIVISION/ORGANIZATION - CONTINUED**

DIVISION NAME	ORGANIZATION	POSITION TITLE	NUMBER OF POSITIONS
W/WW Eng, Planning & Oper Division - continued	3230 Wastewater Lift Stations	ADMINISTRATIVE ASSISTANT	1
		FOREMAN	1
		JETVAC OPERATOR	3
		JETVAC OPERATOR APPRENTICE	4
		JETVAC OPERATOR II	1
		LEAD MECHANIC	9
		MAINTENANCE MECHANIC	8
		MAINTENANCE WORKER	1
		SHIFT SUPERVISOR	2
		WASTEWATER TV TECHNICIAN	3
		WWW PLANT MAINT/WW LIFT ST MGR	1
		ORG TOTAL:	34
	3310 Water & Wastewater Engineering	ACTING ENGINEERING MANAGER	1
		ADMINISTRATIVE ASSISTANT	1
		ENGINEERING MANAGER	1
		FIELD COORDINATOR	1
		FIELD TECHNICIAN	3
		GRADUATE ENGINEER	1
		SENIOR COORDINATOR	3
		SENIOR ENGINEER (REGISTERED)	2
		SENIOR ENGINEERING TECHNICIAN	2
		SENIOR GRADUATE ENGINEER	1
	ORG TOTAL:	16	
	DIVISION TOTAL:	132	
	OVERALL TOTAL		604

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**COMPUTATION OF CHANGE IN NET POSITION AND
FUNDS AVAILABLE FOR CAPITAL AND RESERVE FUNDS**

Net position is defined as the difference between Brownsville PUB's assets and liabilities. Projected changes in net position are as follows:

ESTIMATED FY 2017

	<u>Electric</u>	<u>Water</u>	<u>Wastewater</u>	<u>Total</u>
Revenues	\$ 175,193,055	\$ 27,291,266	\$ 23,970,648	\$ 226,454,969
Expenses	<u>125,427,472</u>	<u>24,184,352</u>	<u>19,592,251</u>	<u>169,204,075</u>
Change in net assets	\$ 49,765,583	\$ 3,106,914	\$ 4,378,397	\$ 57,250,894
Net position, beginning of year				<u>\$ 470,484,224</u>
Net position, end of year				<u><u>\$ 527,735,118</u></u>

Reconciliation to "Total Utility Combined Revenues & Requirements" page 74 is as follows:

Change in net position	\$ 49,765,583	\$ 3,106,914	\$ 4,378,397	\$ 57,250,894
Less: Principal Pmts	<u>8,533,908</u>	<u>1,741,880</u>	<u>2,638,212</u>	<u>12,914,000</u>
Funds Available for Capital and Reserve Funds	<u>\$ 41,231,675</u>	<u>\$ 1,365,034</u>	<u>\$ 1,740,185</u>	<u>\$ 44,336,894</u>

Projected changes in net position for fiscal year 2018 are as follows:

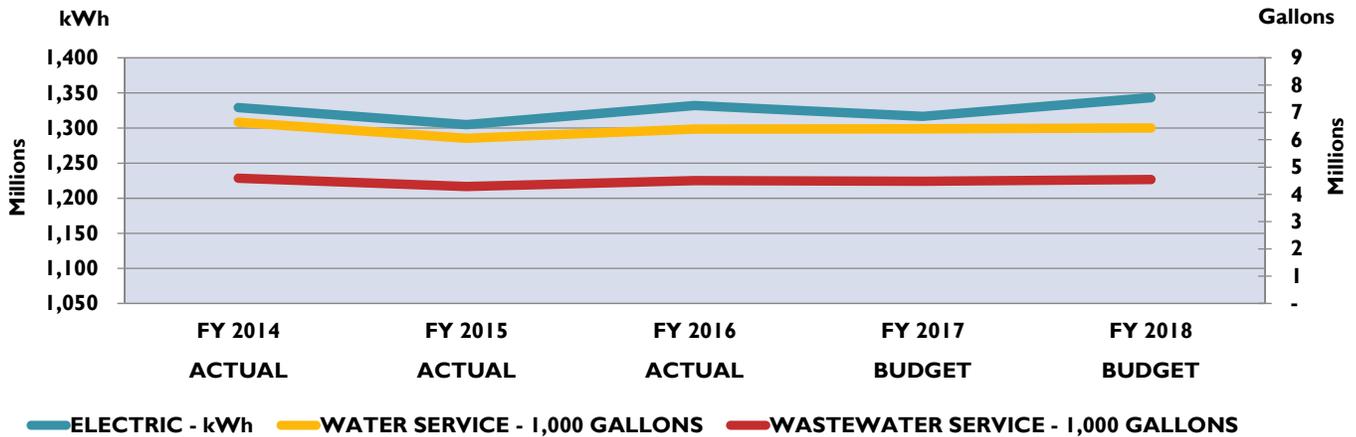
ORIGINAL BUDGET FY 2018

	<u>Electric</u>	<u>Water</u>	<u>Wastewater</u>	<u>Total</u>
Revenues	\$ 168,152,267	\$ 27,264,515	\$ 24,301,902	\$ 219,718,684
Expenses	<u>128,771,360</u>	<u>23,767,909</u>	<u>21,317,691</u>	<u>173,856,960</u>
Change in net position	\$ 39,380,907	\$ 3,496,606	\$ 2,984,211	\$ 45,861,724
Net position, beginning of year				<u>\$ 527,735,118</u>
Net position, end of year				<u><u>\$ 573,596,842</u></u>

Reconciliation to "Total Utility Combined Revenues & Requirements" page 74 is as follows:

Change in net position	\$ 39,380,907	\$ 3,496,606	\$ 2,984,211	\$ 45,861,724
Less: Principal Pmts	<u>8,901,518</u>	<u>1,815,307</u>	<u>2,739,175</u>	<u>13,456,000</u>
Funds Available for Capital and Reserve Funds	<u>\$ 30,479,389</u>	<u>\$ 1,681,299</u>	<u>\$ 245,036</u>	<u>\$ 32,405,724</u>

UNIT SALES STATISTICS



	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	BUDGET FY 2017	BUDGET FY 2018
ELECTRIC - kWh					
Residential	567,334,136	551,304,652	564,931,382	563,471,068	574,656,173
Commercial - Non-Demand	132,918,707	128,892,385	135,844,893	132,543,761	136,393,159
Municipal	68,127,646	67,411,861	71,414,739	69,428,214	69,542,548
Commercial - Demand	558,708,943	554,994,514	557,349,627	549,106,575	560,157,523
Other	2,226,006	2,227,059	2,403,423	2,273,622	2,364,706
<i>Total Electric Unit Sales</i>	<u>1,329,315,439</u>	<u>1,304,830,471</u>	<u>1,331,944,064</u>	<u>1,316,823,240</u>	<u>1,343,114,109</u>
WATER SERVICE - 1,000 GALLONS					
Inside City	5,753,783	5,281,931	5,560,741	5,566,579	5,625,945
Outside City	155,398	148,956	155,104	154,686	156,752
Municipal	221,369	163,284	211,417	193,681	189,665
Other	506,676	461,178	465,077	482,079	463,548
<i>Total Water Unit Sales</i>	<u>6,637,226</u>	<u>6,055,349</u>	<u>6,392,339</u>	<u>6,397,025</u>	<u>6,435,910</u>
WASTEWATER SERVICE - 1,000 GALLONS					
Residential	2,795,399	2,554,154	2,709,033	2,701,189	2,731,449
Commercial	1,604,591	1,560,177	1,601,296	1,591,618	1,613,528
Municipal	74,787	63,318	80,962	70,830	76,763
Outside City	118,228	106,175	111,277	111,977	116,221
Specials	-	-	-	-	-
<i>Total Wastewater Unit Sales</i>	<u>4,593,006</u>	<u>4,283,824</u>	<u>4,502,568</u>	<u>4,475,614</u>	<u>4,537,961</u>

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OUTSTANDING DEBT

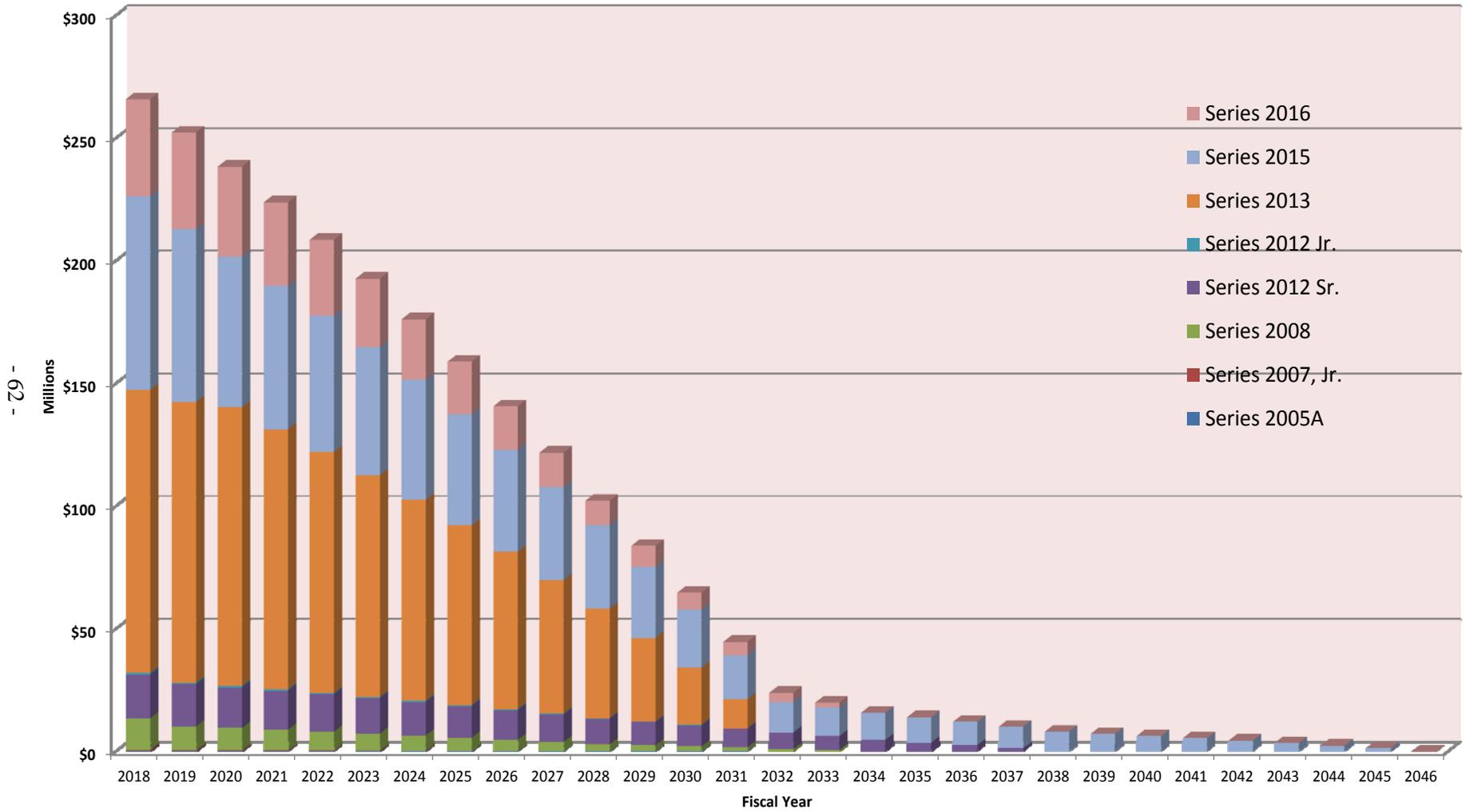
The Brownsville PUB has the following bonds outstanding as of September 30, 2017:

- \$163,725,000 Utilities System Revenue Improvement and Refunding Bonds, Series 2005A, due in a final installment of \$100,000 in 2031 with an interest rate of 5.0% through 2031. As of September 30, 2017, the outstanding balance was \$100,000.
- \$601,000 Utilities System Junior Lien Revenue Bonds Series 2007, due in annual installments ranging from \$29,000 to \$46,000 through 2026 with interest rates ranging from 3.24% to 5.74%. As of September 30, 2017, the outstanding balance was \$340,000.
- \$77,805,000 Utilities System Revenue Refunding Bonds, Series 2008, due in annual installments ranging from \$1,220,000 to \$2,700,000 through 2033 with interest rates ranging from 4.0% to 5.0%. As of September 30, 2017, the outstanding balance was \$12,955,000.
- \$20,690,000 Utilities System Revenue Refunding Bonds, Series 2012, due in annual installments ranging from \$580,000 to \$1,210,000 through 2037 with interest rates ranging from 2.0% to 4.0%. As of September 30, 2017, the outstanding balance was \$17,775,000.
- \$840,000 Utilities System Junior Lien Revenue Bonds Series 2012, due in annual installments ranging from \$30,000 to \$60,000 through 2032 with interest rates ranging from .270% to 3.49%. As of September 30, 2017, the outstanding balance was \$685,000.
- \$118,185,000 Utilities System Revenue Refunding Bonds, Series 2013, due in annual installments ranging from \$430,000 to \$11,820,000 through 2031 with interest rates ranging from 2.0% to 4.0%. As of September 30, 2017 the outstanding balance was \$115,390,000.
- \$94,770,000 Utilities System Revenue Refunding Bonds, Series 2015, due in annual installments ranging from \$2,950,000 to \$8,995,000 through 2045 with interest rates ranging from 4.0% to 5.0%. As of September 30, 2017 the outstanding balance was \$78,995,000.
- \$39,410,000 Utilities System Revenue Refunding Bonds, Series 2016, due in annual installments ranging from \$1,720,000 to 4,125,000 through 2033 with an interest rate of 5.0%. As of September 30, 2017, the outstanding balance was \$39,410,000.

The Brownsville PUB also had \$14 million in commercial paper obligations as of September 30, 2017.

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Outstanding Principal Debt Through Maturity



DEBT SERVICE

Following is a summary of each system's cost of borrowed money, including principal repayments and interest expense associated with the retirement of outstanding bonded debt and pooled loans. The Utility does not have a legally mandated debt limit.

	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	UNAUDITED ACTUAL FY 2017	BUDGET FY 2018
<u>ELECTRIC</u>					
Principal	\$ 5,815,545	\$ 7,018,593	\$ 8,051,189	\$ 8,533,908	\$ 8,901,518
Interest	9,726,349	9,321,174	9,388,119	8,754,769	8,684,504
<i>Total</i>	<u>15,541,894</u>	<u>16,339,767</u>	<u>17,439,308</u>	<u>17,288,677</u>	<u>17,586,022</u>
<u>WATER</u>					
Principal	1,300,810	1,689,382	1,635,624	1,741,880	1,815,307
Interest	1,892,326	1,756,163	1,841,434	1,725,679	1,656,457
<i>Total</i>	<u>3,193,136</u>	<u>3,445,545</u>	<u>3,477,058</u>	<u>3,467,559</u>	<u>3,471,764</u>
<u>WASTEWATER</u>					
Principal	2,983,645	3,358,025	2,486,187	2,638,212	2,739,175
Interest	2,536,164	2,431,611	2,536,305	2,383,360	2,282,657
<i>Total</i>	<u>5,519,809</u>	<u>5,789,636</u>	<u>5,022,492</u>	<u>5,021,572</u>	<u>5,021,832</u>
TOTAL ALL SYSTEMS	<u>\$ 24,254,839</u>	<u>\$ 25,574,948</u>	<u>\$ 25,938,858</u>	<u>\$ 25,777,808</u>	<u>\$ 26,079,618</u>
<u>SUMMARY</u>					
Principal	\$ 10,100,000	\$ 12,066,000	\$ 12,173,000	\$ 12,914,000	\$ 13,456,000
Interest	14,154,839	13,508,948	13,765,858	12,863,808	12,623,618
<i>Total</i>	<u>\$ 24,254,839</u>	<u>\$ 25,574,948</u>	<u>\$ 25,938,858</u>	<u>\$ 25,777,808</u>	<u>\$ 26,079,618</u>

NOTE:

Actual budget based on principal and interest payments made annually on September 30th. Commercial Paper for FY 2018 will incur \$405,000 of interest expense.

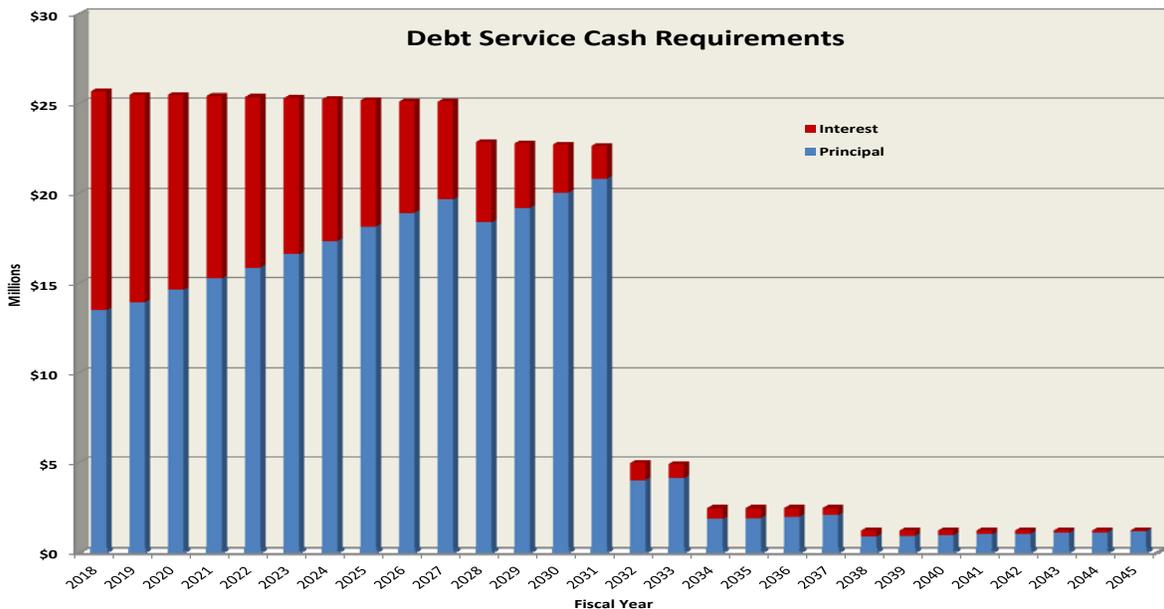
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DEBT SERVICE REQUIREMENTS BY FISCAL YEAR

Yr End Sep 1,	Yrs	Principal	Interest	Total Debt Svc Requirements	Declining Debt Svc Balance
2018	28	13,456,000	12,218,618	25,674,618	347,688,646
2019	27	13,912,000	11,562,349	25,474,349	322,214,297
2020	26	14,594,000	10,883,158	25,477,158	296,737,139
2021	25	15,231,000	10,180,521	25,411,521	271,325,618
2022	24	15,852,000	9,504,159	25,356,159	245,969,458
2023	23	16,569,000	8,719,468	25,288,468	220,680,990
2024	22	17,326,000	7,899,124	25,225,124	195,455,867
2025	21	18,124,000	7,041,259	25,165,259	170,290,607
2026	20	18,901,000	6,198,518	25,099,518	145,191,090
2027	19	19,625,000	5,462,042	25,087,042	120,104,048
2028	18	18,350,000	4,498,972	22,848,972	97,255,076
2029	17	19,160,000	3,613,139	22,773,139	74,481,937
2030	16	20,020,000	2,687,869	22,707,869	51,774,068
2031	15	20,795,000	1,835,030	22,630,030	29,144,038
2032	14	4,000,000	948,625	4,948,625	24,195,413
2033	13	4,105,000	791,794	4,896,794	19,298,619
2034	12	1,815,000	626,531	2,441,531	16,857,088
2035	11	1,885,000	558,000	2,443,000	14,414,088
2036	10	1,955,000	486,819	2,441,819	11,972,269
2037	9	2,035,000	412,000	2,447,000	9,525,269
2038	8	855,000	334,106	1,189,106	8,336,163
2039	7	890,000	298,838	1,188,838	7,147,325
2040	6	930,000	262,125	1,192,125	5,955,200
2041	5	965,000	223,763	1,188,763	4,766,438
2042	4	1,010,000	182,750	1,192,750	3,573,688
2043	3	1,050,000	139,825	1,189,825	2,383,863
2044	2	1,095,000	95,200	1,190,200	1,193,663
2045	1	1,145,000	48,663	1,193,663	-
TOTALS		\$ 265,650,000	\$ 107,713,265	\$ 373,363,265	

NOTE:

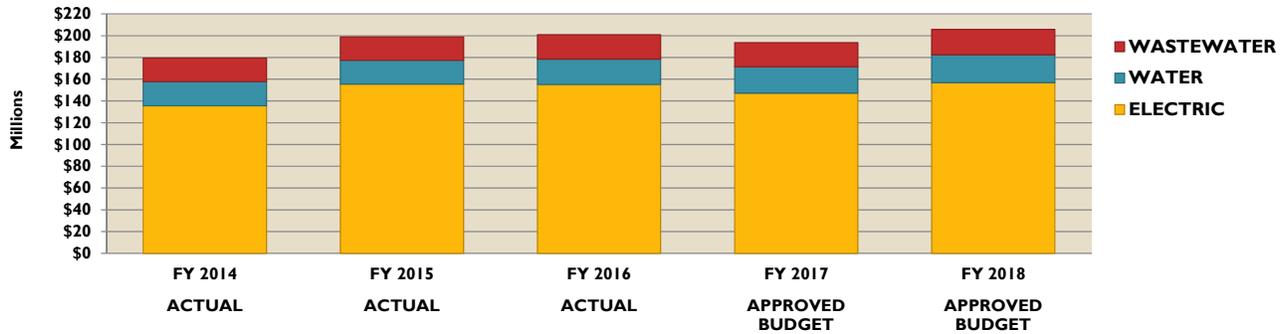
Debt Service schedule does not include debt associated with commercial paper expense of \$405,000 for the Electric, Water and Wastewater Systems approved for FY 2018.



REVENUES

**SALES & SERVICES TO CUSTOMERS
OPERATING REVENUES BY SYSTEM**

	<u>ACTUAL FY 2014</u>	<u>ACTUAL FY 2015</u>	<u>ACTUAL FY 2016</u>	<u>APPROVED BUDGET FY 2017</u>	<u>APPROVED BUDGET FY 2018</u>
ELECTRIC	\$ 135,632,177	\$ 155,520,116	\$ 155,130,976	\$ 147,136,733	\$ 156,909,700
WATER	22,137,313	21,774,560	23,420,510	24,283,989	25,512,125
WASTEWATER	21,691,760	21,554,127	22,237,428	22,135,194	23,233,202
TOTAL	\$ 179,461,250	\$ 198,848,803	\$ 200,788,914	\$ 193,555,916	\$ 205,655,027



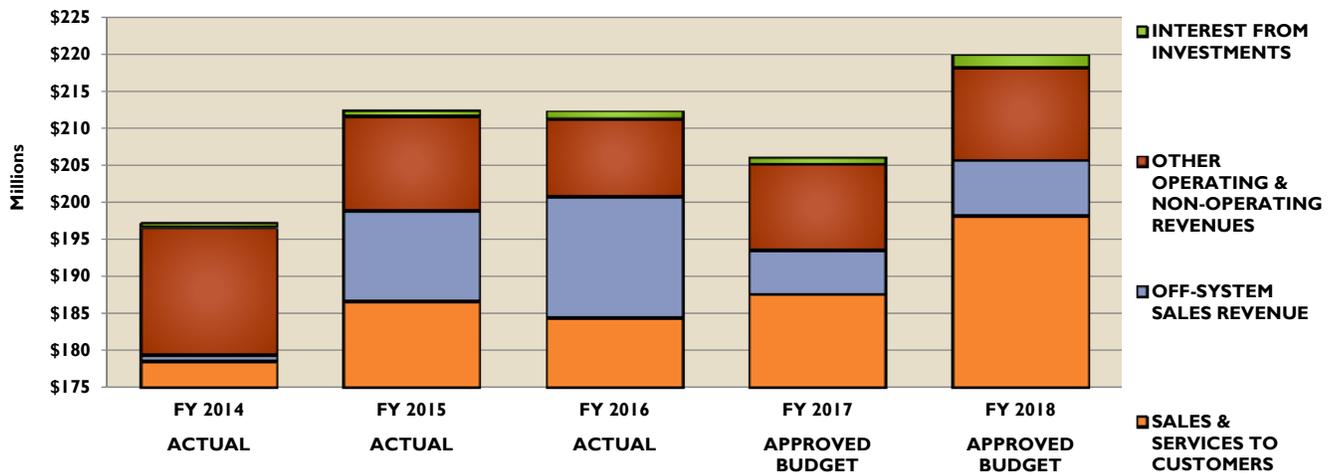
NOTE:

Electric Operating Revenues include off-system sales.

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REVENUES BY SOURCE

	<u>ACTUAL FY 2014</u>	<u>ACTUAL FY 2015</u>	<u>ACTUAL FY 2016</u>	<u>APPROVED BUDGET FY 2017</u>	<u>APPROVED BUDGET FY 2018</u>
SALES & SERVICES TO CUSTOMERS	\$ 178,539,468	\$ 186,666,075	\$ 184,390,927	\$ 187,555,916	\$ 198,155,027
OFF-SYSTEM SALES REVENUE	921,782	12,182,728	16,397,987	6,000,000	7,500,000
INTEREST FROM INVESTMENTS	410,160	687,924	970,437	800,000	1,500,000
OTHER OPERATING & NON-OPERATING REVENUES	17,200,902	12,701,829	10,406,119	11,557,869	12,563,656
TOTAL	\$ 197,072,312	\$ 212,238,556	\$ 212,165,470	\$ 205,913,785	\$ 219,718,683



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REVENUES – SOURCES, ASSUMPTIONS AND TRENDS

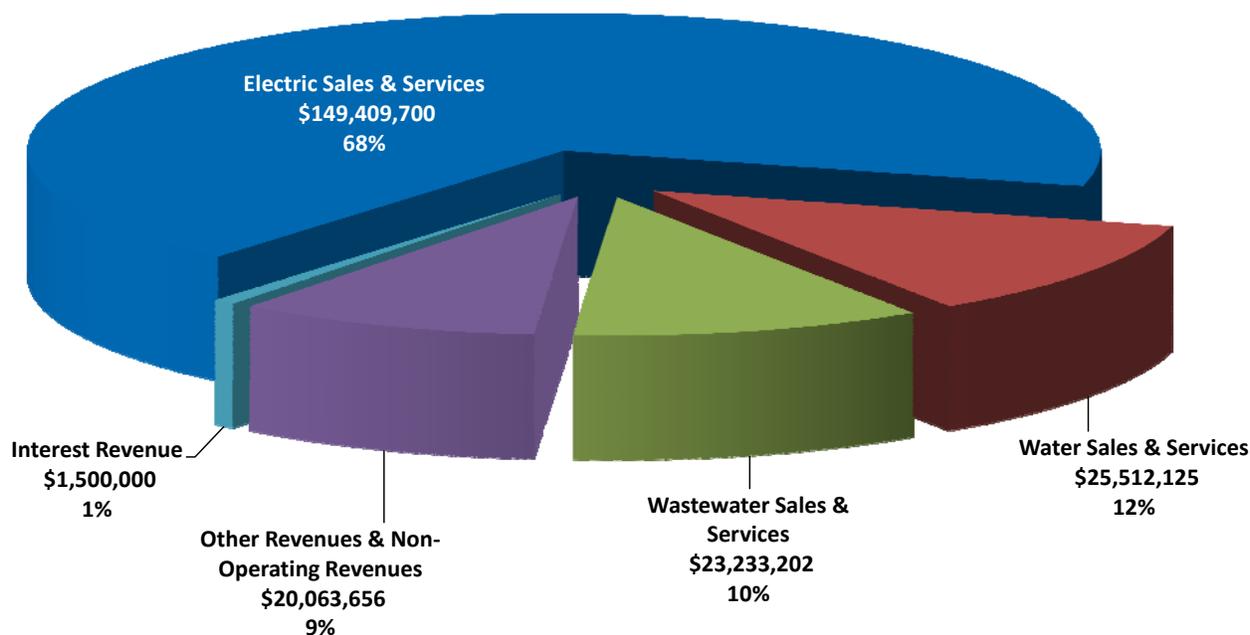
SOURCES

In FY 2018, Brownsville PUB expects to generate 90.19% of revenues through rates charged to customers and from the Fuel & Purchased Energy Charge (FPEC). Off-system sales revenue makes up 3.41% of the total revenue budget for FY 2018, and the remainder is made up of interest from investments and other operating and non-operating revenues (other revenues). Other revenues include customer service charges such as forfeited discounts (penalties) and connection and service charges. Other revenues also include Tele-Communications Inc. (TCI) pole rental charges, Transmission Cost of Service (TCOS), and congestion rights revenues.

FY 2018 REVENUES BY SOURCES

	<u>ELECTRIC</u>	<u>WATER</u>	<u>WASTEWATER</u>	<u>TOTAL</u>
SALES & SERVICES TO CUSTOMERS	\$ 149,409,700	\$ 25,512,125	\$ 23,233,202	\$ 198,155,027
OFF-SYSTEM SALES REVENUE	7,500,000	-	-	7,500,000
INTEREST FROM INVESTMENTS	900,000	300,000	300,000	1,500,000
OTHER OPERATING & NON-OPERATING REVENUES	10,342,566	1,452,390	768,700	12,563,656
	<u>\$ 168,152,266</u>	<u>\$ 27,264,515</u>	<u>\$ 24,301,902</u>	<u>\$ 219,718,683</u>

FY 2018 REVENUES BY SYSTEM AND SOURCES



ASSUMPTIONS AND TRENDS

The Brownsville PUB estimated unit sales, sales revenues and customer billings for FY 2018 for the electric, water and wastewater systems. Future unit sales and revenues are predicted upon information and data provided by staff including detailed customer billing statistics and financial results from FY 2017 and prior years, and other pertinent records of operations. We continue to compare our revenues to our level of spending on a continual basis to ensure that adequate operating reserves are built up and maintained.

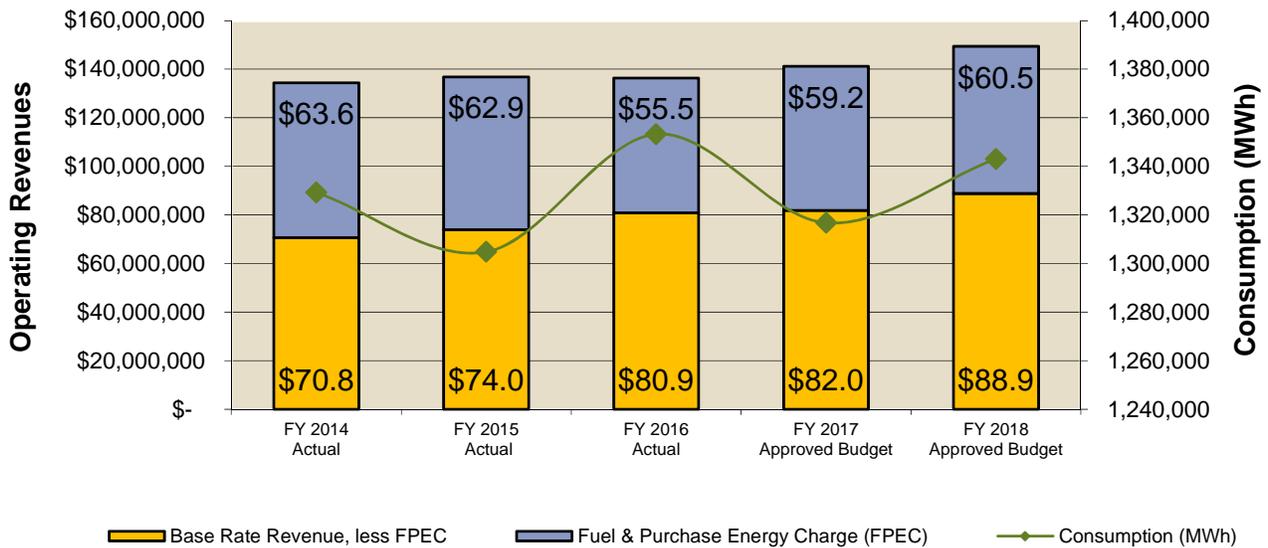
Electric and water revenues were developed using rates that initially went into effect on October 1, 2016.

The FPEC in the electric system is computed on a monthly basis due to the volatility of fuel and purchased power prices.

ELECTRIC

Total FY 2018 electric sales revenues (excluding off-system sales) are expected to increase \$8.27 million or 5.86% over the FY 2017 Budget levels.

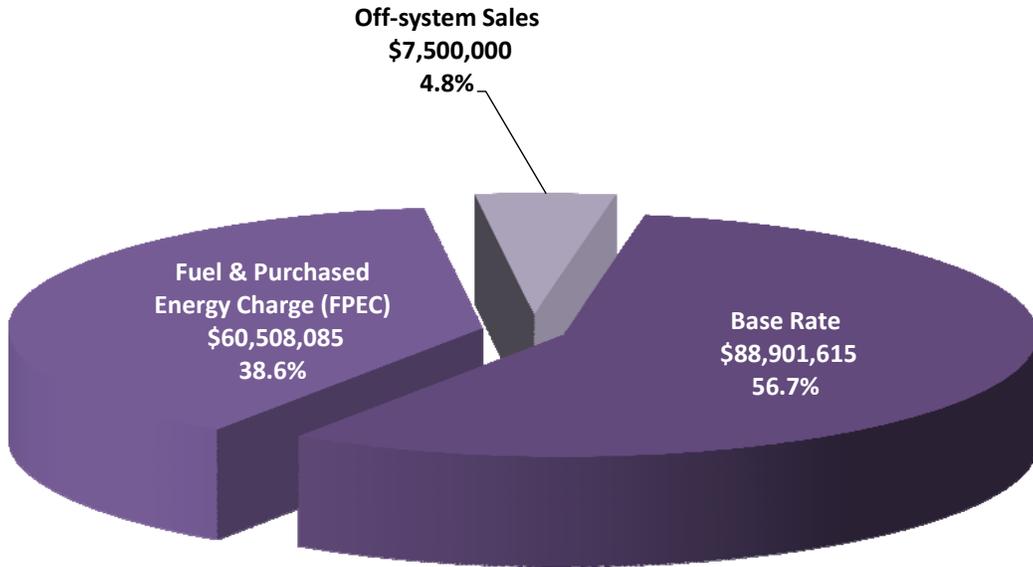
Electric consumption and operating revenues are depicted in the chart below



Fiscal Years 2017 and 2018 Original Budget base rate projections reflect gradual changes in unit sales. Based upon budgeted unit sales adjusted electric sales revenues excluding off-system sales for FY 2018 will be approximately \$149.41 million compared to \$141.14 million in 2017. The difference in revenue is attributable to growth and increases in consumption due to predicted warmer weather patterns in the Pacific Ocean referred to as La Niña.

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The following graph shows electric sales revenues by revenue source:



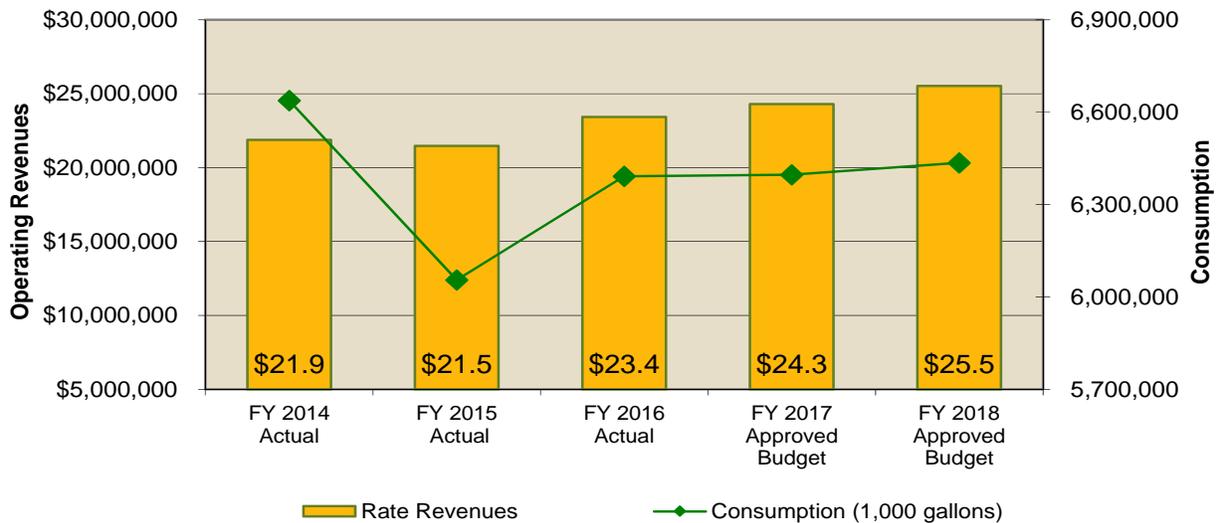
Based upon a review of historical customer statistics, customer accounts have increased on average by approximately 1% per year. For the fiscal year ended September 30, 2017, Brownsville PUB's approximate 48,726 electric customers were comprised of 87% residential, 10% commercial/industrial, and 3% municipal. Residential, commercial/industrial, and municipal customers provided approximately 46%, 48% and 5%, respectively, of electric system sales revenues.

The remaining other operating revenues and non-operating revenues were estimated for the periods based upon recent trends and/or estimated changes in fees and charges where appropriate.

WATER

Total FY 2018 water revenues are expected to increase \$1,228,136 or 5.06% over FY 2017 levels.

Water consumption and operating revenues are depicted in the following chart.



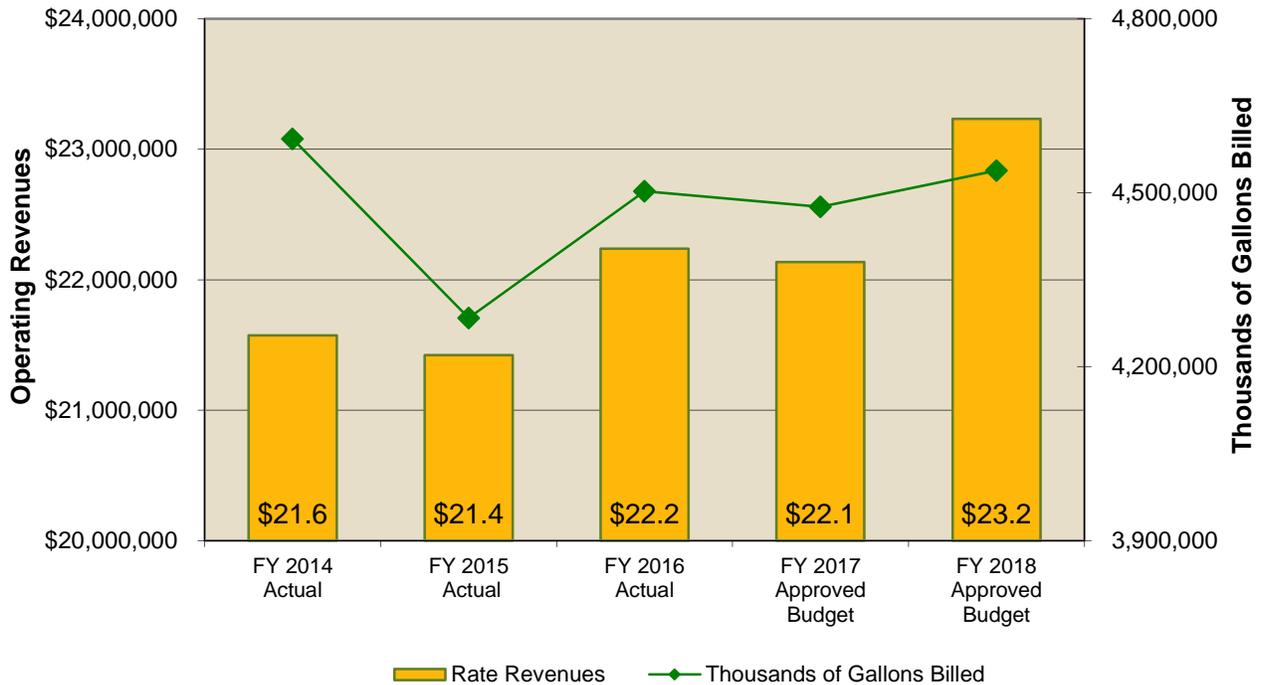
For the fiscal year ended 2017, Brownsville PUB’s approximate 49,894 water customers were comprised of residential, commercial, and municipal customers within the City and adjacent unincorporated areas. Brownsville PUB also sells treated water at wholesale rates to two water distribution systems and in FY 2017 these sales accounted for approximately 5.03% of the water system’s sales revenues and 7.80% of its sales volume. The Brownsville PUB partnered with the SRWA and built a 10.0 million gallon per day reverse osmosis water treatment plant of which the Brownsville PUB has 92.91% ownership. This plant includes a 7.5 million gallon storage tank.

The remaining other operating revenues and non-operating revenues were estimated for the periods based upon recent trends and/or estimated changes in fees and charges where appropriate.

WASTEWATER

Total FY 2018 wastewater revenues are expected to increase by \$1,098,008 or 4.96% over FY 2017 budget levels.

Wastewater consumption and operating revenues are depicted in the following chart.



The wastewater system provided service to approximately 50,010 customers at the end of FY 2017 and accounted for approximately 13% of the Brownsville PUB’s total operating revenues during that period.

The remaining other operating revenues and non-operating revenues were estimated for the periods based upon recent trends and/or estimated changes in fees and charges where appropriate.

**TOTAL UTILITY COMBINED REVENUES & REQUIREMENTS
FY 2014 – FY 2018**

	FY 2014 Actual	FY 2015 Actual	FY 2016 Actual	FY 2017 Approved Budget	FY 2017 Unaudited Actual	FY 2018 Approved Budget
1 Operating Revenues	\$ 178,539,469	\$ 186,666,075	\$ 184,390,927	\$ 187,555,916	\$ 201,831,196	\$ 198,155,027
2 Off-system Sales Revenues	921,782	12,182,728	16,397,987	6,000,000	8,697,051	7,500,000
3 Net Operating Revenues	179,461,251	198,848,803	200,788,914	193,555,916	210,528,247	205,655,027
4 Interest from Investments	410,160	687,924	970,437	800,000	1,459,906	1,500,000
5 Other Revenues	14,680,073	11,150,383	9,053,681	10,057,869	13,071,056	11,063,656
6 Other Non-operating Revenues	2,520,829	1,551,446	1,352,438	1,500,000	1,395,760	1,500,000
7 Gross Revenues	197,072,313	212,238,556	212,165,470	205,913,785	226,454,969	219,718,683
8 Less:						
9 Fuel & Energy Costs	66,941,752	65,220,979	55,451,964	59,162,176	62,866,277	60,508,085
10 Off-system Sales Expenses	656,513	2,781,118	4,535,684	3,900,000	3,934,178	4,875,000
11 SRWA O&M	2,795,503	3,585,642	3,752,642	3,719,365	3,719,365	3,844,573
12 SRWA Debt Service	2,147,494	2,152,371	2,158,034	2,159,360	2,159,360	2,090,064
13 Adjusted Gross Revenues	124,531,052	138,498,446	146,267,146	136,972,884	153,775,789	148,400,961
14 Personnel O&M Expenses	33,926,631	33,273,083	36,893,639	40,077,785	39,678,503	40,173,256
15 Non-Personnel O&M Expenses	29,353,735	28,626,652	28,804,047	35,115,565	28,189,986	38,989,942
16 Subtotal O&M Expenses	63,280,366	61,899,735	65,697,687	75,193,350	67,868,489	79,163,198
17 Other Non-Operating Expenses	1,200,233	450,442	549,876	1,500,000	415,018	1,500,000
18 Balance Available for Debt Service and Other Legal Purposes	60,050,453	76,148,269	80,019,583	60,279,534	85,492,282	67,737,762
19 Debt Service:						
20 Existing	24,375,285	25,604,613	25,938,858	25,736,951	25,722,172	25,674,618
21 Commercial Paper Interest Expense	5,929	13,671	-	75,000	55,636	405,000
22 Total Debt Service & CP Expense	24,381,214	25,618,284	25,938,858	25,811,951	25,777,808	26,079,618
23 Available After Debt Service	35,669,239	50,529,986	54,080,725	34,467,583	59,714,474	41,658,144
24 Other Uses of Cash:						
25 COB Cash Transfer	7,613,476	9,040,104	9,822,603	8,617,583	10,748,466	9,252,420
26 COB Usage	4,839,629	4,809,741	4,804,112	5,079,705	4,629,113	5,587,676
27 Total Cash/Utility Benefit COB	12,453,104	13,849,845	14,626,715	13,697,288	15,377,579	14,840,096
28 Balance Available to Surplus for Transfers Out	<u>\$ 23,216,135</u>	<u>\$ 36,680,142</u>	<u>\$ 39,454,010</u>	<u>\$ 25,850,000</u>	<u>\$ 44,336,895</u>	<u>\$ 32,405,724</u>
29 <u>Proposed Uses of Balance Available for Transfers Out:</u>						
30 Operating Subaccount-Fuel Adjustment	\$ 1,000,001	\$ 5,000,000	\$ 5,000,000	\$ 15,000,000	\$ 15,000,000	\$ 25,500,000
31 Improvement Fund- CIP Funding	7,603,704	7,000,000	8,490,000	10,350,000	12,850,000	6,905,724
32 Improvement Fund - COB USACE Program	-	500,000	500,000	500,000	500,000	-
33 Improvement Fund - COB USACE Resaca Blvd CAP	-	-	1,232,292	-	-	-
34 Tenaska Power Plant Equity Funding	9,000,000	10,000,000	10,000,000	-	-	-
35 Total Transfers Out	17,603,705	22,500,000	25,222,292	25,850,000	28,350,000	32,405,724
36 Balance Available to BPUB:						
37 Improvement Fund - Surplus Revenues	5,612,430	14,180,142	14,231,718	-	15,986,895	-
38 Total	<u>\$ 23,216,135</u>	<u>\$ 36,680,142</u>	<u>\$ 39,454,010</u>	<u>\$ 25,850,000</u>	<u>\$ 44,336,895</u>	<u>\$ 32,405,724</u>
39 Debt Service Coverage Ratio	2.46	2.97	3.08	2.34	3.32	2.60

ELECTRIC REVENUES & REQUIREMENTS FY 2014 – FY 2018

	FY 2014 Actual	FY 2015 Actual	FY 2016 Actual	FY 2017 Approved Budget	FY 2017 Unaudited Actual	FY 2018 Approved Budget
1 Operating Revenues	\$ 134,710,395	\$ 143,337,388	\$ 138,732,989	\$ 141,136,733	\$ 153,110,186	\$ 149,409,700
2 Off-system Sales Revenues	921,782	12,182,728	16,397,987	6,000,000	8,697,051	7,500,000
3 Net Operating Revenues	<u>135,632,177</u>	<u>155,520,116</u>	<u>155,130,976</u>	<u>147,136,733</u>	<u>161,807,237</u>	<u>156,909,700</u>
4 Interest from Investments	246,096	412,754	585,697	480,000	898,696	900,000
5 Other Revenues	12,940,146	9,216,194	7,366,145	8,229,606	11,479,892	9,052,566
6 Other Non-operating Revenues	<u>2,101,377</u>	<u>1,127,489</u>	<u>964,069</u>	<u>1,290,000</u>	<u>1,007,230</u>	<u>1,290,000</u>
7 Gross Revenues	<u>150,919,797</u>	<u>166,276,553</u>	<u>164,046,887</u>	<u>157,136,339</u>	<u>175,193,055</u>	<u>168,152,266</u>
8 Less:						
9 Fuel & Energy Costs	66,941,752	65,220,979	55,451,964	59,162,176	62,866,277	60,508,085
10 Off-system Sales Expenses	656,513	2,781,118	4,535,684	3,900,000	3,934,178	4,875,000
11 SRWA O&M	-	-	-	-	-	-
12 SRWA Debt Service	-	-	-	-	-	-
13 Adjusted Gross Revenues	<u>83,321,532</u>	<u>98,274,456</u>	<u>104,059,239</u>	<u>94,074,163</u>	<u>108,392,600</u>	<u>102,769,181</u>
14 Personnel O&M Expenses	16,201,467	16,676,399	20,069,923	21,491,543	20,641,841	21,603,631
15 Non-Personnel O&M Expenses	<u>17,103,041</u>	<u>16,324,189</u>	<u>17,036,411</u>	<u>24,624,313</u>	<u>18,474,800</u>	<u>26,484,510</u>
16 Subtotal O&M Expenses	<u>33,304,508</u>	<u>33,000,588</u>	<u>37,106,334</u>	<u>46,115,856</u>	<u>39,116,641</u>	<u>48,088,141</u>
17 Other Non-Operating Expenses	<u>524,579</u>	<u>(11,484)</u>	<u>270,604</u>	<u>900,000</u>	<u>(81,253)</u>	<u>900,000</u>
18 Balance Available for Debt Service and Other Legal Purposes	49,492,445	65,285,352	66,682,301	47,058,307	69,357,212	53,781,040
19 Debt Service:						
20 Existing	15,616,019	16,426,851	17,439,308	17,267,517	17,255,779	17,226,022
21 Commercial Paper Interest Expense	<u>3,506</u>	<u>8,084</u>	<u>-</u>	<u>30,000</u>	<u>32,898</u>	<u>360,000</u>
22 Total Debt Service & CP Expense	<u>15,619,525</u>	<u>16,434,935</u>	<u>17,439,308</u>	<u>17,297,517</u>	<u>17,288,677</u>	<u>17,586,022</u>
23 Available After Debt Service	33,872,920	48,850,417	49,242,993	29,760,790	52,068,535	36,195,018
24 Other Uses of Cash:						
25 COB Cash Transfer	4,416,131	5,792,088	6,559,689	5,260,790	7,208,481	5,715,629
26 COB Usage	<u>3,916,022</u>	<u>4,035,358</u>	<u>3,846,235</u>	<u>4,146,626</u>	<u>3,630,779</u>	<u>4,561,289</u>
27 Total Cash/Utility Benefit COB	<u>8,332,153</u>	<u>9,827,446</u>	<u>10,405,924</u>	<u>9,407,416</u>	<u>10,839,260</u>	<u>10,276,918</u>
28 Balance Available to Surplus for Transfers Out	<u>\$ 25,540,768</u>	<u>\$ 39,022,971</u>	<u>\$ 38,837,069</u>	<u>\$ 24,500,000</u>	<u>\$ 41,229,275</u>	<u>\$ 30,479,389</u>
29 <u>Proposed Uses of Balance Available for Transfers Out:</u>						
30 Operating Subaccount-Fuel Adjustment	\$ 1,000,000	\$ 5,000,000	\$ 5,000,000	\$ 15,000,000	\$ 15,000,000	\$ 25,500,000
31 Improvement Fund- CIP Funding	7,603,704	7,000,000	7,200,000	9,000,000	11,500,000	4,979,389
32 Improvement Fund - COB USACE Program	-	500,000	500,000	500,000	500,000	-
33 Improvement Fund - COB USACE Resaca Blvd CAP	-	-	932,292	-	-	-
34 Tenaska Power Plant Equity Funding	<u>9,000,000</u>	<u>10,000,000</u>	<u>10,000,000</u>	<u>-</u>	<u>-</u>	<u>-</u>
35 Total Transfers Out	<u>17,603,704</u>	<u>22,500,000</u>	<u>23,632,292</u>	<u>24,500,000</u>	<u>27,000,000</u>	<u>30,479,389</u>
36 Balance Available to BPUB:						
37 Improvement Fund - Surplus Revenues	7,937,063	16,522,971	15,204,777	-	14,229,275	-
38 Total	<u>\$ 25,540,768</u>	<u>\$ 39,022,971</u>	<u>\$ 38,837,069</u>	<u>\$ 24,500,000</u>	<u>\$ 41,229,275</u>	<u>\$ 30,479,389</u>
39 Debt Service Coverage Ratio	3.17	3.97	3.82	2.72	4.01	3.06

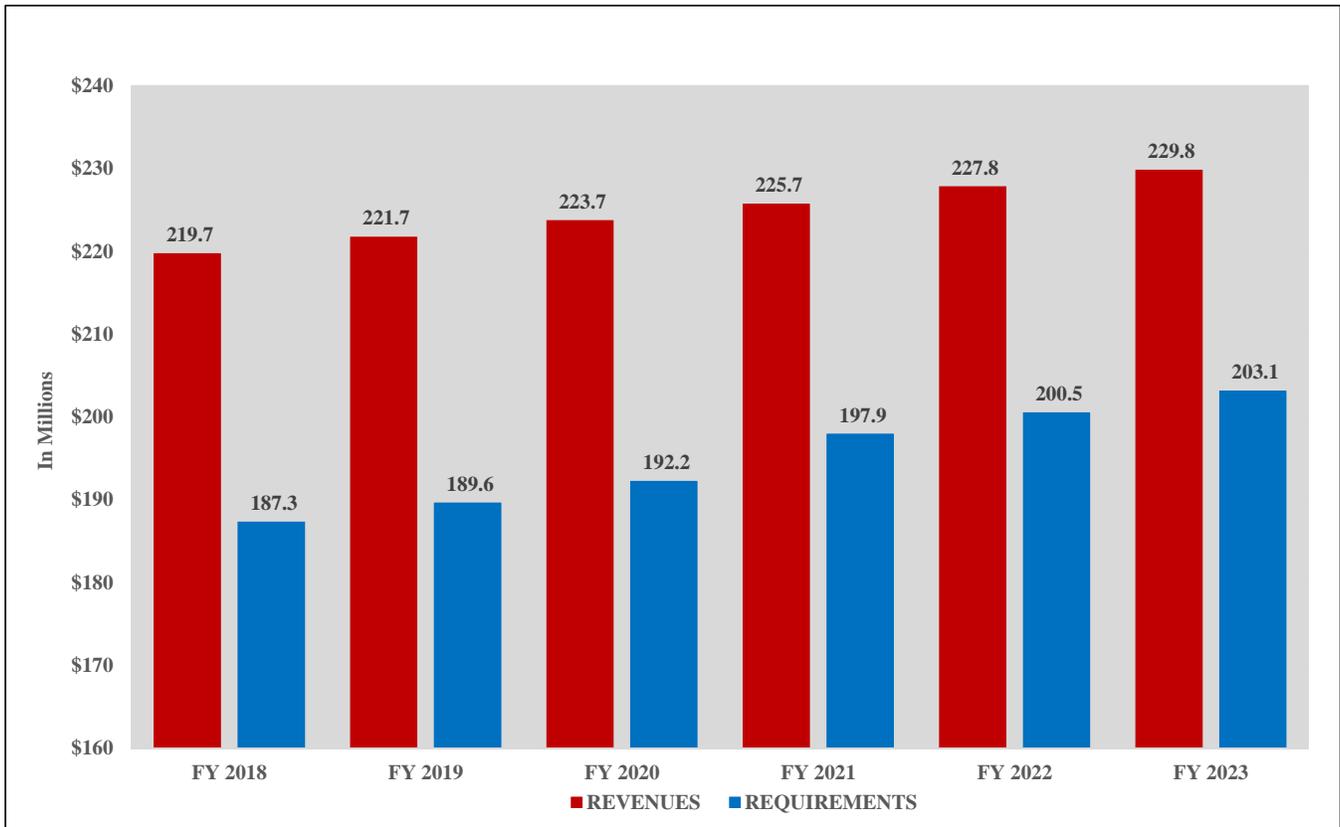
WATER REVENUES & REQUIREMENTS FY 2014 – FY 2018

	FY 2014 Actual	FY 2015 Actual	FY 2016 Actual	FY 2017 Approved Budget	FY 2017 Unaudited Actual	FY 2018 Approved Budget
1 Operating Revenues	\$ 22,137,313	\$ 21,774,560	\$ 23,420,510	\$ 24,283,989	\$ 25,785,881	\$ 25,512,125
2 Off-system Sales Revenues	-	-	-	-	-	-
3 Net Operating Revenues	<u>22,137,313</u>	<u>21,774,560</u>	<u>23,420,510</u>	<u>24,283,989</u>	<u>25,785,881</u>	<u>25,512,125</u>
4 Interest from Investments	82,032	137,585	192,370	160,000	280,605	300,000
5 Other Revenues	1,162,867	1,342,068	1,111,918	1,224,900	1,029,823	1,347,390
6 Other Non-operating Revenues	<u>234,881</u>	<u>219,609</u>	<u>195,933</u>	<u>105,000</u>	<u>194,957</u>	<u>105,000</u>
7 Gross Revenues	<u>23,617,093</u>	<u>23,473,822</u>	<u>24,920,731</u>	<u>25,773,889</u>	<u>27,291,266</u>	<u>27,264,515</u>
8 Less:						
9 Fuel & Energy Costs	-	-	-	-	-	-
10 Off-system Sales Expenses	-	-	-	-	-	-
11 SRWA O&M	2,795,503	3,585,642	3,752,642	3,719,365	3,719,365	3,844,573
12 SRWA Debt Service	<u>2,147,494</u>	<u>2,152,371</u>	<u>2,158,034</u>	<u>2,159,360</u>	<u>2,159,360</u>	<u>2,090,064</u>
13 Adjusted Gross Revenues	<u>18,674,096</u>	<u>17,735,809</u>	<u>19,010,055</u>	<u>19,895,164</u>	<u>21,412,541</u>	<u>21,329,878</u>
14 Personnel O&M Expenses	8,848,982	8,186,633	8,130,610	8,420,110	9,361,994	8,247,348
15 Non-Personnel O&M Expenses	<u>6,409,668</u>	<u>6,068,439</u>	<u>6,042,959</u>	<u>4,973,422</u>	<u>4,809,216</u>	<u>6,178,636</u>
16 Subtotal O&M Expenses	<u>15,258,650</u>	<u>14,255,072</u>	<u>14,173,569</u>	<u>13,393,532</u>	<u>14,171,210</u>	<u>14,425,984</u>
17 Other Non-Operating Expenses	<u>291,834</u>	<u>134,066</u>	<u>157,263</u>	<u>300,000</u>	<u>265,083</u>	<u>300,000</u>
18 Balance Available for Debt Service and Other Legal Purposes	3,123,612	3,346,671	4,679,223	6,201,632	6,976,248	6,603,894
19 Debt Service:						
20 Existing	3,219,429	3,488,421	3,477,058	3,459,759	3,458,201	3,449,264
21 Commercial Paper Interest Expense	<u>997</u>	<u>2,299</u>	-	<u>22,500</u>	<u>9,358</u>	<u>22,500</u>
22 Total Debt Service & CP Expense	<u>3,220,426</u>	<u>3,490,720</u>	<u>3,477,058</u>	<u>3,482,259</u>	<u>3,467,559</u>	<u>3,471,764</u>
23 Available After Debt Service	(96,814)	(144,049)	1,202,165	2,719,373	3,508,689	3,132,130
24 Other Uses of Cash:						
25 COB Cash Transfer	1,248,794	1,258,706	1,276,391	1,369,373	1,473,007	1,450,831
26 COB Usage	<u>618,616</u>	<u>514,875</u>	<u>624,615</u>	<u>620,143</u>	<u>668,247</u>	<u>682,157</u>
27 Total Cash/Utility Benefit COB	<u>1,867,410</u>	<u>1,773,581</u>	<u>1,901,006</u>	<u>1,989,516</u>	<u>2,141,254</u>	<u>2,132,988</u>
28 Balance Available to Surplus for Transfers Out	<u>\$ (1,964,224)</u>	<u>\$ (1,917,630)</u>	<u>\$ (698,841)</u>	<u>\$ 1,350,000</u>	<u>\$ 1,367,435</u>	<u>\$ 1,681,299</u>
29 <u>Proposed Uses of Balance Available for Transfers Out:</u>						
30 Operating Subaccount-Fuel Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31 Improvement Fund- CIP Funding	-	-	750,000	1,350,000	1,350,000	1,681,299
32 Improvement Fund - COB USACE Program	-	-	-	-	-	-
33 Improvement Fund - COB USACE Resaca Blvd CAP	-	-	150,000	-	-	-
34 Tenaska Power Plant Equity Funding	-	-	-	-	-	-
35 Total Transfers Out	<u>-</u>	<u>-</u>	<u>900,000</u>	<u>1,350,000</u>	<u>1,350,000</u>	<u>1,681,299</u>
36 Balance Available to BPUB:						
37 Improvement Fund - Surplus Revenues	<u>(1,964,224)</u>	<u>(1,917,630)</u>	<u>(1,598,841)</u>	-	<u>17,435</u>	-
38 Total	<u>\$ (1,964,224)</u>	<u>\$ (1,917,630)</u>	<u>\$ (698,841)</u>	<u>\$ 1,350,000</u>	<u>\$ 1,367,435</u>	<u>\$ 1,681,299</u>
39 Debt Service Coverage Ratio	0.97	0.96	1.35	1.78	2.01	1.90

WASTEWATER REVENUES & REQUIREMENTS FY 2014 – FY 2018

	FY 2014 Actual	FY 2015 Actual	FY 2016 Actual	FY 2017 Approved Budget	FY 2017 Unaudited Actual	FY 2018 Approved Budget
1 Operating Revenues	\$ 21,691,760	\$ 21,554,127	\$ 22,237,428	\$ 22,135,194	\$ 22,935,129	\$ 23,233,202
2 Off-system Sales Revenues	-	-	-	-	-	-
3 Net Operating Revenues	21,691,760	21,554,127	22,237,428	22,135,194	22,935,129	23,233,202
4 Interest from Investments	82,032	137,585	192,370	160,000	280,605	300,000
5 Other Revenues	577,060	592,121	575,618	603,363	561,341	663,700
6 Other Non-operating Revenues	184,571	204,348	192,436	105,000	193,573	105,000
7 Gross Revenues	22,535,423	22,488,181	23,197,852	23,003,557	23,970,648	24,301,902
8 Less:						
9 Fuel & Energy Costs	-	-	-	-	-	-
10 Off-system Sales Expenses	-	-	-	-	-	-
11 SRWA O&M	-	-	-	-	-	-
12 SRWA Debt Service	-	-	-	-	-	-
13 Adjusted Gross Revenues	22,535,423	22,488,181	23,197,852	23,003,557	23,970,648	24,301,902
14 Personnel O&M Expenses	8,876,182	8,410,051	8,693,106	10,166,132	9,674,668	10,322,278
15 Non-Personnel O&M Expenses	5,841,025	6,234,024	5,724,678	5,517,830	4,905,970	6,326,796
16 Subtotal O&M Expenses	14,717,207	14,644,075	14,417,784	15,683,962	14,580,638	16,649,074
17 Other Non-Operating Expenses	383,820	327,860	122,009	300,000	231,188	300,000
18 Balance Available for Debt Service and Other Legal Purposes	7,434,396	7,516,246	8,658,059	7,019,595	9,158,822	7,352,828
19 Debt Service:						
20 Existing	5,539,837	5,689,341	5,022,492	5,009,675	5,008,192	4,999,332
21 Commercial Paper Interest Expense	1,426	3,288	-	22,500	13,380	22,500
22 Total Debt Service & CP Expense	5,541,263	5,692,629	5,022,492	5,032,175	5,021,572	5,021,832
23 Available After Debt Service	1,893,133	1,823,618	3,635,567	1,987,420	4,137,250	2,330,996
24 Other Uses of Cash:						
25 COB Cash Transfer	1,948,551	1,989,310	1,986,523	1,987,420	2,066,978	2,085,960
26 COB Usage	304,991	259,508	333,262	312,936	330,087	344,230
27 Total Cash/Utility Benefit COB	2,253,542	2,248,818	2,319,785	2,300,356	2,397,065	2,430,190
28 Balance Available to Surplus for Transfers Out	<u>\$ (360,409)</u>	<u>\$ (425,200)</u>	<u>\$ 1,315,782</u>	<u>\$ -</u>	<u>\$ 1,740,185</u>	<u>\$ 245,036</u>
29 Proposed Uses of Balance Available for Transfers Out:						
30 Operating Subaccount-Fuel Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31 Improvement Fund- CIP Funding	-	-	540,000	-	-	245,036
32 Improvement Fund - COB USACE Program	-	-	-	-	-	-
33 Improvement Fund - COB USACE Resaca Blvd CAP	-	-	150,000	-	-	-
34 Tenaska Power Plant Equity Funding	-	-	-	-	-	-
35 Total Transfers Out	-	-	690,000	-	-	245,036
36 Balance Available to BPUB:						
37 Improvement Fund - Surplus Revenues	(360,409)	(425,200)	625,782	-	1,740,185	-
38 Total	<u>\$ (360,409)</u>	<u>\$ (425,200)</u>	<u>\$ 1,315,782</u>	<u>\$ -</u>	<u>\$ 1,740,185</u>	<u>\$ 245,036</u>
39 Debt Service Coverage Ratio	1.34	1.32	1.72	1.39	1.82	1.46

**PROJECTED REVENUES & REQUIREMENTS
FY 2018 – FY 2023**



The five year forecast was developed using the following assumptions:

- Sales & Service to Customers reflect a 1% annual growth rate
- Off System Sales Revenue and Other Operating & Non-Operating Revenues primarily include ERCOT related transactions, which are unpredictable and, therefore, are conservatively forecasted based on historical averages.
- Interest from Investments have increased recently based on changing market conditions but are forecasted to be relatively flat going forward.
- Market driven Electric Fuel & Energy Costs were higher in FY 2017 vs prior years and are forecasted to increase 2% annually to reflect this trend.
- SRWA and O&M expenses are forecasted to increase by 1.3% annually based on five year average national inflation rates.
- Other Non-Operating Expenses have and should continue to remain relatively flat.
- Debt Service will decline from year to year until an anticipated new issue of approximately \$50 million is issued late in FY 2020 to convert Commercial Paper to long term debt.
- The City Cash Transfer fund is based on Adjusted Gross Revenues and is forecasted to increase at a rate of 1% annually.

***OPERATIONS AND
MAINTENANCE EXPENSE
BUDGET***



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility:	John Bruciak
Title:	General Manager & CEO
Telephone Ext:	6277
Dept. No:	1110

**PERFORMANCE MEASURES
FOR THE
GENERAL MANAGER**

Department Function:

The General Manager is the Chief Executive Officer of the Brownsville PUB. It is the General Manager & CEO's responsibility to execute the plans and decisions of the Board, thereby directing and coordinating the activities of all Utility employees. The General Manager & CEO ensures that all policies and resolutions passed by the Board are enforced and duly administered. In addition, the General Manager & CEO informs the Board of legislative matters, capital improvements, budget items, policies, and services offered to customers. The Assistant General Manager & COO, Chief Financial Officer, Director of Human Resources, and Communications & Administrative Services Director directly report to the General Manager & CEO.

Department Goals/Objectives:

The department's objectives are to provide our customers, both internally and externally, with economical, reliable, and friendly service. To efficiently direct all aspects of the utility systems. To effectively direct Strategic Planning efforts in order to coordinate and prioritize goals and objectives. Identify, select, and retain a professional management team. Recognize constraints and limitations of State and Industry guidelines in addition to other applicable rules and regulations. Conduct periodic staff meetings and workshops.

INPUT MEASURES

Employees (FTE)
O & M Exp. Personnel
O & M Exp. Non-Personnel

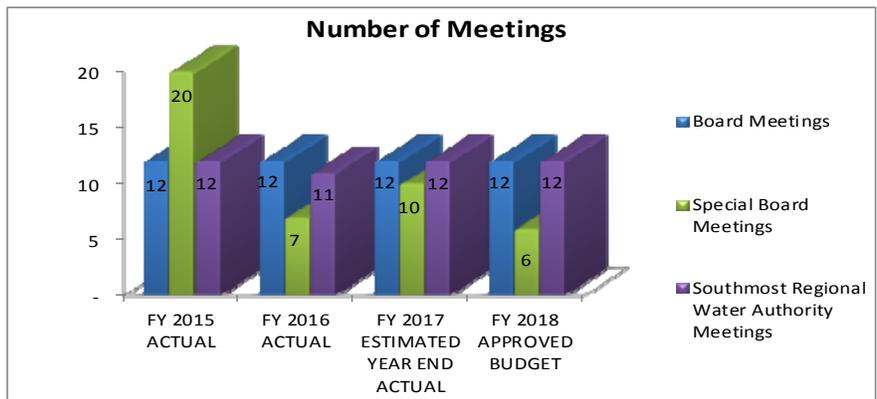
OUTPUT MEASURES

Board Meetings
Director Meetings
Agenda Items Reviewed

OUTCOME MEASURES

Joint Meetings with City Commission
Southmost Regional Water Authority Meetings
Special Board Meetings

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
Employees (FTE)	4	3	3	3
O & M Exp. Personnel	\$ 321,465	\$ 425,810	\$ 516,731	\$ 461,887
O & M Exp. Non-Personnel	\$ 1,148,718	\$ 1,114,299	\$ 1,516,238	\$ 1,133,600
Board Meetings	12	12	12	12
Director Meetings	48	48	48	48
Agenda Items Reviewed	350	350	300	350
Joint Meetings with City Commission	1	-	1	2
Southmost Regional Water Authority Meetings	12	11	12	12
Special Board Meetings	20	7	10	6



DEPARTMENT 1110 - GENERAL MANAGER

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 306,223	\$ 215,737	\$ 213,144	\$ 211,517	\$ 272,933	\$ 264,626
6110 Clerical staff	89,881	90,755	99,464	97,157	87,928	82,181
6130 Overtime	6,700	5,826	3,805	1,768	4,568	3,556
6201 T.M.R.S.	56,548	41,723	53,898	54,604	66,014	61,974
6205 F.I.C.A.	16,159	11,831	12,682	19,138	12,588	21,502
6210 Medicare	5,873	4,534	4,717	4,476	5,459	5,029
6214 Dental Insurance	908	738	779	877	769	809
6215 Hospitalization insurance	23,986	18,274	21,084	24,461	18,764	17,885
6220 Life Insurance	487	392	398	303	427	337
6221 Long Term Disability Insurance	1,010	810	819	617	903	694
6225 Workers Compensation	13,016	8,941	8,738	7,717	9,338	8,670
6230 Vacation leave	496	(15,591)	(2,358)	3,735	9,275	4,196
6235 Sick leave	44,593	(71,794)	(361)	4,105	18,766	4,613
6242 Auto Benefits	16,500	9,289	9,000	9,000	9,000	9,000
6260 Vacancy Savings	-	-	-	(20,976)	-	(23,185)
<i>O&M PERSONNEL TOTAL</i>	582,380	321,465	425,810	418,499	516,731	461,887
<i>O&M NON-PERSONNEL</i>						
7102 Sponsorships	41,050	49,470	35,650	50,000	37,200	25,000
7105 Books & periodicals	954	-	-	-	5,000	-
7110 Dues & memberships	45,993	40,993	26,439	7,548	2,595	8,500
7120 Office supplies	1,274	3,379	1,463	4,500	2,110	4,500
7130 Postage/shipping charges	534	366	315	500	145	300
7140 Training expenses	4,495	3,105	1,150	5,000	600	2,000
7145 Travel expenses	28,353	20,003	10,275	22,250	14,003	12,250
7299 Other materials & supplies	2,444	749	921	750	826	750
7315 Food, meals, ice, water	3,162	1,242	1,416	1,500	2,478	1,500
7320 Official functions	2,735	1,005	200	2,200	600	-
7601 Legal Fees	1,027,949	981,168	1,036,357	929,000	1,447,107	984,500
7605 Engineering fees	10,011	-	-	42,500	2,520	42,500
7699 Other services	5,567	44,510	-	50,000	-	50,000
7805 Computer equipment	-	-	113	300	65	300
7820 Office furniture & equipment	1,549	668	-	-	991	1,500
7899 Other minor tools & equipment	-	2,060	-	-	-	-
<i>O&M NON-PERSONNEL TOTAL</i>	1,176,069	1,148,718	1,114,299	1,116,048	1,516,238	1,133,600
	\$ 1,758,449	\$ 1,470,183	\$ 1,540,109	\$ 1,534,547	\$ 2,032,969	\$ 1,595,487



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: Melida Pinales, CFE
Title: Audit Manager
Telephone Ext: 6269
Dept. No: 1120

**PERFORMANCE MEASURES
FOR THE
INTERNAL AUDIT DEPARTMENT**

Department Function:

The responsibilities of the Internal Audit Department include conducting independent reviews of BPUB's policies, procedures and operations. The Audit Manager reports functionally to the Board of Directors and administratively to the General Manager & CEO. BPUB's Internal Audit Charter defines what the Board of Directors and Executive Management can expect from the audit department and directs the efforts on the internal audit staff. An audit provides an independent, objective assurance and consulting activity, as well as, supports organizational objectives by bringing a systematic, disciplined approach to evaluate and improve the effectiveness of risk management, control, and governance processes.

Department Goals/Objectives:

The department's objective is to perform audits for the fiscal year that bear usefulness for other departments increasing efficiencies and effectiveness through findings, recommendations and follow-ups.

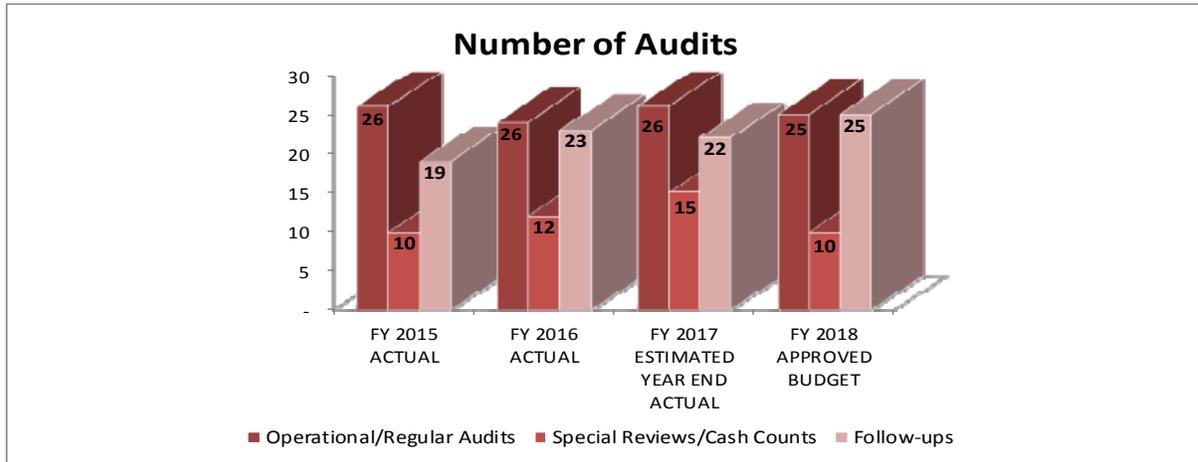
INPUT MEASURES

Employees (FTE)
 O & M Exp. Personnel
 O & M Exp. Non-Personnel

OUTPUT MEASURES

Operational/Regular Audits
 Special Reviews/Cash Counts
 Findings/Recommendations
 Follow-ups
 Board Meetings
 Presentations to Audit Committee

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
Employees (FTE)	3	3	3	3
O & M Exp. Personnel	\$ 257,529	\$ 275,003	\$ 291,361	\$ 283,526
O & M Exp. Non-Personnel	\$ 6,078	\$ 13,676	\$ 9,611	\$ 17,640
Operational/Regular Audits	26	24	26	25
Special Reviews/Cash Counts	10	12	15	10
Findings/Recommendations	129	85	90	75
Follow-ups	19	23	22	25
Board Meetings	12	12	12	12
Presentations to Audit Committee	4	4	4	4



DEPARTMENT 1120 - INTERNAL AUDIT

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 72,287	\$ 72,835	\$ 73,977	\$ 73,466	\$ 79,592	\$ 80,122
6105 Administrative Staff	114,909	116,824	119,968	122,117	125,496	125,778
6201 T.M.R.S.	26,691	25,814	32,242	34,599	35,950	36,794
6205 F.I.C.A.	11,124	11,306	11,497	12,126	11,972	12,766
6206 Suta	1,282	-	-	-	-	-
6210 Medicare	2,602	2,644	2,689	2,836	2,800	2,986
6214 Dental Insurance	825	818	804	907	803	837
6215 Hospitalization insurance	23,961	23,739	26,010	30,216	26,702	27,892
6220 Life Insurance	250	254	256	202	267	211
6221 Long Term Disability Insurance	492	502	507	391	541	412
6225 Workers Compensation	4,680	4,741	4,854	4,890	5,079	5,147
6230 Vacation leave	6,206	(4,060)	(367)	2,367	(1,153)	2,491
6235 Sick leave	15,598	2,113	2,567	2,601	3,310	2,738
6260 Vacancy Savings	-	-	-	(14,044)	-	(14,647)
<i>O&M PERSONNEL TOTAL</i>	<u>280,906</u>	<u>257,529</u>	<u>275,003</u>	<u>272,673</u>	<u>291,361</u>	<u>283,526</u>
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	171	269	192	700	52	700
7110 Dues & memberships	1,715	1,920	2,324	2,650	1,914	2,734
7120 Office supplies	901	1,410	904	1,500	653	1,500
7140 Training expenses	3,484	140	4,588	3,600	2,235	5,825
7145 Travel expenses	1,734	1,546	4,042	4,881	3,181	5,066
7225 Safety supplies	-	-	74	100	-	100
7299 Other materials & supplies	-	62	-	-	-	-
7315 Food, meals, ice, water	36	68	417	200	210	250
7335 Wearing apparel & dry goods	677	546	547	515	643	515
7415 Fuels & lubricants	197	117	152	500	123	500
7805 Computer equipment	-	-	437	250	-	250
7820 Office furniture & equipment	309	-	-	400	600	200
<i>O&M NON-PERSONNEL TOTAL</i>	<u>9,224</u>	<u>6,078</u>	<u>13,676</u>	<u>15,296</u>	<u>9,611</u>	<u>17,640</u>
	\$ 290,130	\$ 263,607	\$ 288,679	\$ 287,969	\$ 300,972	\$ 301,166



**B R O W N S V I L L E
P U B L I C U T I L I T I E S B O A R D**



Department Responsibility: Eddie Campirano
Title: Bus Dev & Key Accounts Manager
Telephone Ext: 6242
Dept. No: 1125

**PERFORMANCE MEASURES
FOR THE
KEY ACCOUNT MARKETING DEPARTMENT**

Department Function:

The Key Account Marketing Department focuses on meeting the unique customer service needs of Key Accounts, BPUB's largest industrial and commercial clients. Key Accounts Representatives serve as a single-point of contact for Key Accounts and are on-call 24 hours a day, seven days a week. In addition, the Key Account Department is responsible for the recruitment of new commercial business for the utility and facilitates electric conversions from other utility companies to BPUB.

Department Goals/Objectives:

The Brownsville Public Utilities Board's Key Account and Business Development Department is dedicated to providing exceptional customer service and becoming a strategic partner to all Key Accounts 24/7.

INPUT MEASURES

Employees (FTE's)
O&M Expenses

OUTPUT MEASURES

Number of Key Accounts
Number of field visits
Number of analyses performed for Key Accounts

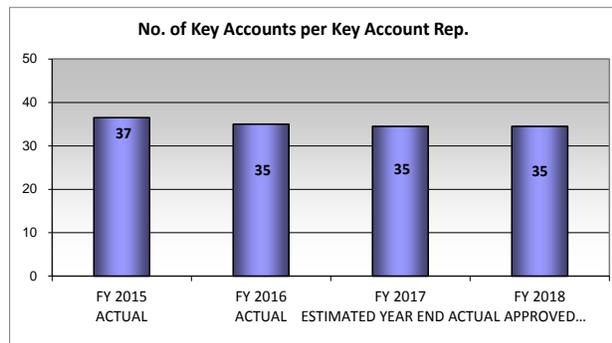
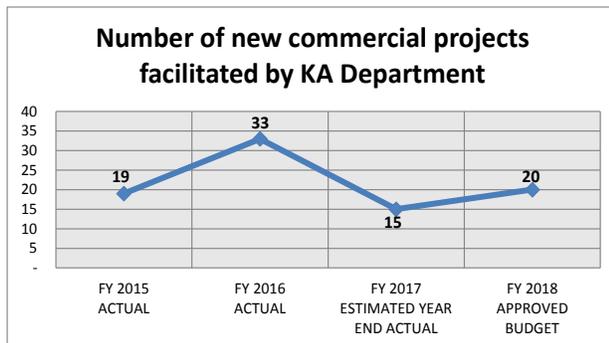
OUTCOME MEASURES

Number of new Key Accounts
Number of electric conversions (to BPUB) facilitated by KA Department
Number of new subdivision projects facilitated by KA Department
Number of new commercial projects facilitated by KA Department
Key Accounts satisfied with the level of service delivered by KA Department (per survey results)
Percentage of Key Accounts Electric Revenue versus system revenue
Percentage of Key Accounts electric peak demand versus system peak demand

EFFICIENCY MEASURES

Number of Key Accounts per representative
Average number of field visits per representative
Average Key Accounts electric revenue per representative

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
Employees (FTE's)	6	5	5	4
O&M Expenses	\$ 188,488	\$ 258,212	\$ 342,445	\$ 342,886
Number of Key Accounts	73	69	69	69
Number of field visits	60	150	260	260
Number of analyses performed for Key Accounts	48	100	200	200
Number of new Key Accounts	2	2	8	5
Number of electric conversions (to BPUB) facilitated by KA Department	1	5	3	4
Number of new subdivision projects facilitated by KA Department	13	14	7	10
Number of new commercial projects facilitated by KA Department	19	33	15	20
Key Accounts satisfied with the level of service delivered by KA Department (per survey results)	-	-	-	Yes
Percentage of Key Accounts Electric Revenue versus system revenue	24%	26%	26%	28%
Percentage of Key Accounts electric peak demand versus system peak demand	33%	32%	33%	33%
Number of Key Accounts per representative	37	35	35	35
Average number of field visits per representative	30	75	130	130
Average Key Accounts electric revenue per representative	\$ 15,900,000	\$ -	\$ -	\$ -



DEPARTMENT 1125 - KEY ACCOUNT MARKETING

ACCOUNT DESCRIPTION	ACTUAL FY 2015	ACTUAL FY 2016	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>				
6101 Supervision	\$ 28,911	\$ 46,898	\$ 49,736	\$ 48,812
6105 Administrative Staff	45,639	81,728	125,899	122,637
6110 Clerical staff	13,540	22,373	20,241	23,694
6130 Overtime	571	807	897	854
6201 T.M.R.S.	13,826	25,406	34,467	34,872
6205 F.I.C.A.	6,168	8,907	11,357	12,099
6206 Suta	290	97	-	-
6210 Medicare	1,443	2,083	2,656	2,830
6214 Dental Insurance	517	890	1,069	1,116
6215 Hospitalization insurance	12,458	26,832	34,769	35,937
6220 Life Insurance	132	211	262	210
6221 Long Term Disability Insurance	252	402	512	390
6225 Workers Compensation	5,227	4,750	4,870	4,879
6230 Vacation leave	7,036	2,381	204	2,361
6235 Sick leave	13,991	1,159	2,847	2,595
6260 Vacancy Savings	-	-	-	(14,374)
<i>O&M PERSONNEL TOTAL</i>	<u>150,002</u>	<u>224,924</u>	<u>289,787</u>	<u>278,911</u>
<i>O&M NON-PERSONNEL</i>				
7101 Advertising	11,343	12,359	1,230	12,500
7102 Sponsorships	-	-	-	2,000
7105 Books & periodicals	56	106	-	300
7110 Dues & memberships	1,060	900	-	600
7120 Office supplies	1,659	2,129	470	1,600
7130 Postage/shipping charges	30	61	151	1,500
7135 Telephone expenses	-	89	-	600
7140 Training expenses	1,787	1,023	3,760	3,890
7145 Travel expenses	2,278	3,959	5,413	5,000
7147 Mileage Reimbursement (InTownExp)	-	-	28	250
7225 Safety supplies	-	-	-	-
7299 Other materials & supplies	-	215	10	250
7310 Federal, state, & local fees	-	-	-	-
7315 Food, meals, ice, water	3,814	1,846	3,894	3,000
7320 Official functions	7,396	3,469	8,548	8,000
7415 Fuels & lubricants	596	494	834	800
7635 Software maintenance service fees	806	438	700	3,400
7699 Other services	3,077	5,317	22,255	16,310
7805 Computer equipment	53	-	1,222	1,275
7806 Software licenses-new	955	-	-	1,500
7820 Office furniture & equipment	3,575	883	4,143	1,200
<i>O&M NON-PERSONNEL TOTAL</i>	<u>38,486</u>	<u>33,288</u>	<u>52,658</u>	<u>63,975</u>
	\$ 188,488	\$ 258,212	\$ 342,445	\$ 342,886



Department Responsibility: Lucila C. Hernandez
Title: Director of Communication & Admin. Svc.
Telephone Ext: 6280
Dept. No: 1130

**PERFORMANCE MEASURES
FOR THE
COMMUNICATIONS AND ADMINISTRATIVE SERVICES DEPARTMENT**

Department Function:

The Communications and Administrative Services Department provides administrative and managerial oversight to other Division Departments including Communications and Public Relations, Health and Safety, and Risk/Insurance Management.

Department Goals/Objectives:

The purpose of the department is to provide operational support to the division departments so that they have the necessary tools to perform their jobs and to provide administrative and managerial support in order to produce more effective services.

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 143,281	\$ 125,489	\$ 125,335	\$ 125,008	\$ 128,524	\$ 128,844
6110 Clerical staff	30,551	28,839	27,016	28,995	28,113	29,869
6130 Overtime	912	816	1,426	1,150	1,197	1,185
6201 T.M.R.S.	24,892	21,120	26,948	27,243	29,503	28,362
6205 F.I.C.A.	11,035	9,298	8,857	9,548	9,358	9,840
6210 Medicare	2,581	2,321	2,351	2,233	2,399	2,301
6214 Dental Insurance	617	525	511	605	522	558
6215 Hospitalization insurance	16,917	14,631	13,349	16,073	13,967	14,837
6220 Life Insurance	229	202	199	156	201	160
6221 Long Term Disability Insurance	462	407	401	308	410	317
6225 Workers Compensation	4,598	4,108	4,091	3,850	4,169	3,968
6230 Vacation leave	6,005	(2,600)	(4,197)	1,863	2,051	1,920
6235 Sick leave	5,930	(1,274)	1,533	2,048	(206)	2,111
6242 Auto Benefits	7,500	7,500	7,462	7,500	7,500	7,500
6243 Telephone Benefits	1,680	1,680	1,672	1,680	1,680	1,680
6260 Vacancy Savings	-	-	-	(10,667)	-	(10,953)
<i>O&M PERSONNEL TOTAL</i>	<i>257,191</i>	<i>213,062</i>	<i>216,954</i>	<i>217,593</i>	<i>229,387</i>	<i>222,499</i>
<i>O&M NON-PERSONNEL</i>						
7101 Advertising	-	-	-	-	426	-
7105 Books & periodicals	444	-	207	500	-	500
7110 Dues & memberships	4,511	195	844	1,000	846	1,000
7115 Educational material	-	-	-	200	-	200
7120 Office supplies	2,325	1,769	1,253	3,500	1,175	3,500
7130 Postage/shipping charges	41	-	57	600	246	600
7135 Telephone expenses	-	-	-	1,000	-	1,000
7140 Training expenses	2,291	375	2,269	1,900	999	2,500
7145 Travel expenses	2,696	1,223	6,991	2,750	687	5,000
7215 Laundry & janitorial supplies	-	-	41	-	-	-
7225 Safety supplies	-	181	-	250	23	250
7299 Other materials & supplies	-	-	341	500	182	500
7315 Food, meals, ice, water	1,394	962	1,165	1,000	1,352	1,500

DEPARTMENT 1130 - COMMUNICATIONS AND ADMINISTRATIVE SERVICES

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
7320 Official functions	1,107	-	-	-	-	-
7325 Rental of equip/storage/land	3,533	3,302	5,018	5,500	4,270	5,500
7335 Wearing apparel & dry goods	-	-	33	-	-	-
7415 Fuels & lubricants	226	-	-	-	-	-
7601 Legal Fees	-	740	11,335	5,000	-	5,000
7645 Maintenance services	18,107	16,049	17,141	25,000	17,179	25,000
7699 Other services	221	-	-	-	-	-
7805 Computer equipment	55	-	406	-	-	-
7820 Office furniture & equipment	1,160	-	714	-	-	-
<i>O&M NON-PERSONNEL TOTAL</i>	<u>38,112</u>	<u>24,796</u>	<u>47,816</u>	<u>48,700</u>	<u>27,386</u>	<u>52,050</u>
	\$ 295,303	\$ 237,858	\$ 264,770	\$ 266,293	\$ 256,773	\$ 274,549



Department Responsibility: Alicia Nevarez-Warner
Title: Communications & PR Manager
Telephone Ext: 6284
Dept. No: 1135

**PERFORMANCE MEASURES
 FOR THE
 COMMUNICATIONS AND PUBLIC RELATIONS DEPARTMENT**

Department Function:

The Communications and Public Relations Department is responsible for the coordination and management of internal and external communications, focusing on utility-wide issues, employee understanding, community relations, and governmental affairs, and working to promote a positive employee and public image of the Brownsville PUB. In addition, this department is responsible for providing education and outreach activities in the community.

Department Goals/Objectives:

The purpose of the Communications and Public Relations program is to provide information to the Brownsville PUB personnel, the general public and the media so that they understand and be aware of Brownsville PUB issues.

INPUT MEASURES

Employees
 O&M Expenditures

OUTPUT MEASURES

Operational Reports [Outreach Report/ Communications & PR Report]
 No. of Community Presentations
 No. of Tours
 No. of Safety Presentations (including lobby video)
 No. of Lobby Presentations (per BPUB TV)
 Sponsorships Conducted within Policy
 No. of Weekly Connections Produced
 No. of Family Connections Produced
 No. of PUBCAP Meetings
 No. of Bill Inserts Produced
 Water Consumer Confidence Report (CCR) Produced and Distributed Within Regulations

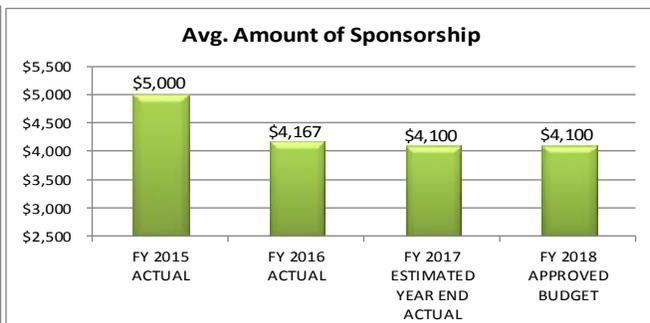
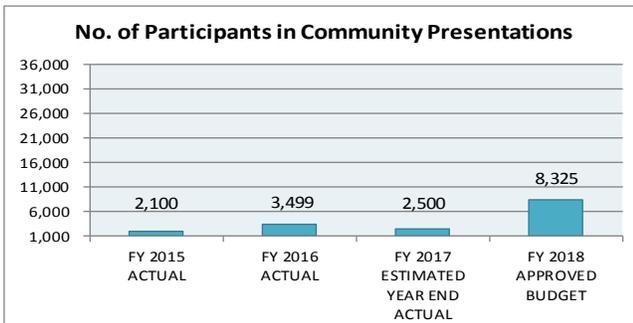
OUTCOME MEASURES

Public Information Campaigns Conducted
 No. of Participants in Community Presentations
 No. of Participants in Tours
 No. of Participants in Safety Presentations
 No. of Participants in Lobby Presentations
 No. of Bill Inserts Distributed (Including CCR)
 Customer Online Engagement* [Based on Social+Website Analytics]

EFFICIENCY MEASURES

Avg. No. of Outreach Contacts [Media/Communications]
 Avg. Amount of Sponsorship

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
Employees	4	4	4	4
O&M Expenditures	\$ 704,860	\$ 735,295	\$ 798,353	\$ 1,177,086
Operational Reports [Outreach Report/ Communications & PR Report]	12	12	12	12
No. of Community Presentations	24	175	99	90
No. of Tours	23	23	20	25
No. of Safety Presentations (including lobby video)	32	35	30	35
No. of Lobby Presentations (per BPUB TV)	17	20	20	20
Sponsorships Conducted within Policy	25	31	28	28
No. of Weekly Connections Produced	50	31	31	31
No. of Family Connections Produced	6	6	6	6
No. of PUBCAP Meetings	11	11	11	11
No. of Bill Inserts Produced	11	11	11	11
Water Consumer Confidence Report (CCR) Produced and Distributed Within Regulations	60,000/59,500	63,400	64,000	64,000
Public Information Campaigns Conducted	14	12	12	12
No. of Participants in Community Presentations	2,100	3,499	2,500	8,325
No. of Participants in Tours	725	290	300	250
No. of Participants in Safety Presentations	2,000	1,135	1,100	2,300
No. of Participants in Lobby Presentations	210	100	150	150
No. of Bill Inserts Distributed (Including CCR)	600,000	618,600	618,600	618,600
Customer Online Engagement* [Based on Social+Website Analytics]	50%	191,364	191,364	33,059
Avg. No. of Outreach Contacts [Media/Communications]	200 Media/Comm.	198 Media/Comm	200	200
Avg. Amount of Sponsorship	\$ 5,000	\$ 4,167	\$ 4,100	\$ 4,100



Note: BPUB now uses online analytics tools to measure actual visitor click-throughs. As of FY 2016-17, data is no longer averaged therefore more accurate.

DEPARTMENT 1135 - COMMUNICATIONS AND PUBLIC RELATIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 67,002	\$ 84,194	\$ 72,565	\$ 70,034	\$ 71,973	\$ 72,134
6105 Administrative Staff	89,301	106,293	129,634	144,290	150,796	155,875
6201 T.M.R.S.	22,353	26,129	33,873	37,914	39,026	40,745
6205 F.I.C.A.	9,498	11,520	12,099	13,288	13,199	14,137
6210 Medicare	2,221	2,694	2,830	3,108	3,087	3,306
6214 Dental Insurance	770	922	989	1,210	1,075	1,116
6215 Hospitalization insurance	19,167	25,353	30,087	36,897	32,909	34,059
6220 Life Insurance	210	263	275	227	298	240
6221 Long Term Disability Insurance	411	513	535	429	589	456
6225 Workers Compensation	3,936	4,806	5,070	5,358	5,514	5,700
6230 Vacation leave	1,985	2,159	613	2,593	576	2,759
6235 Sick leave	5,268	(3,071)	2,464	2,850	6,359	3,033
6260 Vacancy Savings	-	-	-	(15,590)	-	(16,388)
<i>O&M PERSONNEL TOTAL</i>	<u>222,122</u>	<u>261,774</u>	<u>291,035</u>	<u>302,606</u>	<u>325,399</u>	<u>317,173</u>
<i>O&M NON-PERSONNEL</i>						
7101 Advertising	205,451	187,998	138,739	200,000	140,807	275,000
7102 Sponsorships	137,560	130,625	121,100	125,000	123,450	75,000
7105 Books & periodicals	65	66	-	200	-	200
7110 Dues & memberships	1,690	3,455	3,205	2,315	4,551	2,315
7115 Educational material	-	2,145	40	6,000	-	18,000
7120 Office supplies	2,117	2,314	779	3,000	982	3,000
7125 Photo equipment/supplies	218	-	-	6,800	811	6,800
7130 Postage/shipping charges	321	198	319	200	108	200
7135 Telephone expenses	-	-	-	-	-	912
7140 Training expenses	1,527	2,521	2,935	3,000	3,755	3,000
7145 Travel expenses	3,375	1,311	11,865	8,000	2,311	8,000
7199 Miscellaneous office expenses	-	-	-	2,000	139	2,000
7215 Laundry & janitorial supplies	-	639	705	-	303	800
7225 Safety supplies	561	212	1,032	300	317	200
7299 Other materials & supplies	3,094	4,503	2,665	7,000	1,046	3,000
7315 Food, meals, ice, water	2,205	1,744	1,332	3,000	1,298	4,500
7320 Official functions	19,747	23,485	23,320	30,000	20,592	59,000
7325 Rental of equip/storage/land	5,467	5,062	8,031	11,000	2,236	11,000
7335 Wearing apparel & dry goods	517	316	189	1,100	-	1,100
7415 Fuels & lubricants	172	308	307	500	267	500
7601 Legal Fees	-	-	120	-	-	-
7635 Software maintenance service fees	780	-	-	-	-	-
7645 Maintenance services	-	-	-	250	-	250
7699 Other services	128,523	72,452	125,968	375,200	169,194	379,200
7805 Computer equipment	-	1,160	754	1,550	12	3,286
7806 Software licenses-new	581	2,427	240	1,550	744	2,650
7820 Office furniture & equipment	-	144	613	-	30	-
<i>O&M NON-PERSONNEL TOTAL</i>	<u>513,971</u>	<u>443,086</u>	<u>444,260</u>	<u>787,965</u>	<u>472,954</u>	<u>859,913</u>
	\$ 736,093	\$ 704,860	\$ 735,295	\$ 1,090,571	\$ 798,353	\$ 1,177,086



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: Marisa P. Gaytan
Title: Organizational Development Manager
Telephone Ext: 6241
Dept. No.: 1140

**PERFORMANCE MEASURES
FOR THE
ORGANIZATIONAL DEVELOPMENT DEPARTMENT**

Department Function:

This department is a strategic partner with the organization's mission and vision to increase organizational effectiveness and offer exceptional customer service in managing complex change and growth.

Department Goals/Objectives:

The department focus is on developing the people within the organization across all departments through a variety of activities, including succession planning, organizational assessments, executive and employee development and coaching, mediation and conflict resolution, operational review and process improvement, conference planning and facilitation, strategic planning and project management, team development, meeting facilitation, and customized training.

FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END	FY 2018 APPROVED BUDGET
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INPUT MEASURES

Employees (FTEs)	3	3	3	3
O&M Expenses Non-Personnel	\$ 96,774	\$ 93,314	\$ 71,242	\$ 252,700

OUTPUT MEASURES

Number of Individual Online/Self-Paced Courses Completed by Employees	116	159	736	750
Total Training Hours in All Categories	6,095	5,320	5,072	5,500
Employees Who Attended Training/Workshops	615	625	608	625

OUTCOME MEASURES

Number of Courses/Workshops	137	151	847	850
Number of Leadership Academy Participants	28	-	39	30
% of In-House Classes/Workshops	62%	67%	6%	10%
% of Outsourced Classes/Workshops	38%	33%	93%	90%
% of Employees Who Report New Learning That Will Help Them on the Job	99%	100%	100%	100%

EFFICIENCY MEASURES

Average Class Satisfaction Rating	100%	100%	100%	100%
Average Training Hours Per Employee	10	9	8	9



DEPARTMENT 1140 - ORGANIZATIONAL DEVELOPMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 69,225	\$ 70,178	\$ 70,212	\$ 69,909	\$ 71,848	\$ 72,010
6105 Administrative Staff	84,165	105,444	108,397	110,282	85,931	122,138
6110 Clerical staff	16,267	-	-	-	-	-
6130 Overtime	341	-	-	1,000	-	-
6201 T.M.R.S.	24,226	23,904	29,700	31,876	28,027	34,694
6205 F.I.C.A.	10,175	10,517	10,657	11,172	9,415	12,037
6210 Medicare	2,380	2,460	2,492	2,613	2,202	2,815
6214 Dental Insurance	867	818	804	907	647	837
6215 Hospitalization insurance	20,777	19,733	21,628	25,130	19,716	25,699
6220 Life Insurance	231	237	238	188	203	201
6221 Long Term Disability Insurance	447	464	467	360	411	388
6225 Workers Compensation	4,250	4,391	4,473	4,505	3,984	4,854
6230 Vacation leave	771	(1,033)	(960)	6,144	2,834	2,349
6235 Sick leave	403	1,054	(2,586)	2,397	2,373	2,582
6260 Vacancy Savings	-	-	-	(12,807)	-	(13,784)
<i>O&M PERSONNEL TOTAL</i>	<u>234,526</u>	<u>238,166</u>	<u>245,523</u>	<u>253,675</u>	<u>227,592</u>	<u>266,819</u>
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	626	397	13	350	792	500
7110 Dues & memberships	1,802	1,751	1,915	3,400	2,068	2,100
7115 Educational material	8,594	14,556	15,752	16,000	14,418	17,500
7120 Office supplies	2,052	2,782	510	2,000	1,444	2,400
7130 Postage/shipping charges	194	-	-	200	29	200
7135 Telephone expenses	452	-	-	1,500	-	1,250
7140 Training expenses	3,863	445	3,895	5,000	2,374	4,000
7145 Travel expenses	6,403	2,038	5,539	7,500	3,064	4,000
7147 Mileage Reimbursement (InTownExp)	20	-	24	150	-	150
7299 Other materials & supplies	23	97	179	500	274	500
7315 Food, meals, ice, water	2,098	1,798	1,070	2,500	1,164	2,500
7322 Recognition Program	592	517	50	500	240	500
7325 Rental of equip/storage/land	1,303	1,056	1,056	1,200	1,056	1,200
7415 Fuels & lubricants	-	-	-	200	-	200
7635 Software maintenance service fees	5,356	26,133	6,014	6,100	6,386	7,400
7699 Other services	77,817	45,205	53,446	110,000	37,286	207,000
7805 Computer equipment	-	-	-	1,200	56	1,200
7806 Software licenses -new	-	-	975	350	590	100
7820 Office furniture & equipment	4,942	-	2,875	1,250	-	-
<i>O&M NON-PERSONNEL TOTAL</i>	<u>116,136</u>	<u>96,774</u>	<u>93,314</u>	<u>159,900</u>	<u>71,242</u>	<u>252,700</u>
	\$ 350,662	\$ 334,940	\$ 338,837	\$ 413,575	\$ 298,834	\$ 519,519



**B R O W N S V I L L E
P U B L I C U T I L I T I E S B O A R D**



Department Responsibility: James McCann
Title: Director of Electrical Systems
Telephone Ext: 6204
Dept. No: 1145

**PERFORMANCE MEASURES
FOR THE
ELECTRICAL SYSTEMS DEPARTMENT**

Department Function:

The Electrical Systems division defines, develops, implements and manages the effective execution of operational strategies, processes and programs for Electric Transmission and Distribution, Electric Engineering, Substations, Power Supply, Energy System Operations and Fuel and Purchased Energy.

Department Goals/Objectives:

Division goal is to plan and direct initiatives and strategies to be able to provide current and future customers with low cost, operationally efficient electric power that meets or exceeds reliability standards.

ACCOUNT DESCRIPTION	ACTUAL FY 2015	ACTUAL FY 2016	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>				
6101 Supervision	\$ 12,924	\$ 228,353	\$ 272,347	\$ 272,958
6110 Clerical staff	650	11,499	34,615	33,800
6130 Overtime	3	139	155	171
6201 T.M.R.S.	3,958	42,723	55,725	54,818
6205 F.I.C.A.	669	14,014	16,852	19,019
6210 Medicare	426	3,533	4,474	4,448
6214 Dental Insurance	37	544	804	837
6215 Hospitalization insurance	1,112	19,424	26,917	27,892
6220 Life Insurance	19	294	387	302
6221 Long Term Disability Insurance	39	609	808	614
6225 Workers Compensation	742	6,224	7,874	7,669
6230 Vacation leave	673	1,783	1,915	3,712
6235 Sick leave	673	45,164	1,290	4,080
6242 Auto Benefits	1,442	7,212	7,500	7,500
6243 Telephone Benefits	323	1,616	1,680	1,680
6260 Vacancy Savings	-	-	-	(21,118)
O&M PERSONNEL TOTAL	23,691	383,130	433,345	418,381
<i>O&M NON-PERSONNEL</i>				
7105 Books & periodicals	-	79	303	400
7110 Dues & memberships	-	536	815	800
7120 Office supplies	-	464	838	800
7130 Postage/shipping charges	-	-	152	300
7135 Telephone expenses	-	-	-	-
7140 Training expenses	-	822	939	1,245
7145 Travel expenses	695	11,330	5,996	4,066
7225 Safety supplies	-	-	210	100
7299 Other materials & supplies	-	-	183	200
7315 Food, meals, ice, water	-	25	649	500
7601 Legal Fees	-	-	-	-
7605 Engineering fees	2,788	-	-	-
7635 Software maintenance service fees	-	1,355	7,487	8,500
7699 Other services	(32,500)	75	-	200
7805 Computer equipment	-	-	42	475
7806 Software licenses-new	-	778	-	500
7820 Office furniture & equipment	-	-	-	350
7899 Other minor tools & equipment	-	399	485	850
O&M NON-PERSONNEL TOTAL	(29,018)	15,862	18,099	19,286
	\$ (5,327)	\$ 398,992	\$ 451,444	\$ 437,667

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Department Responsibility: John Bruciak

Title: General Manager & CEO

Telephone Ext: 6277

Dept. No: 1150

**PERFORMANCE MEASURES
FOR THE
BOARD OF DIRECTORS**

Department Function:

The responsibilities of the Brownsville PUB Board include enacting resolutions and policies.

Department Goals/Objectives:

The Board of Directors assists and facilitates in the development of company policies that fit into the mission statement and values of BPUB. The Board of Directors convenes on a monthly basis to approve contracts for goods and services and provide direction to upper management concerning operational matters.

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M NON-PERSONNEL</i>						
7110 Dues & memberships	\$ 81,128	\$ 83,257	\$ 89,937	\$ 50,000	\$ 121,501	\$ 60,000
7120 Office supplies	2,001	2,309	1,398	2,750	90	2,750
7140 Training expenses	8,850	14,810	3,080	15,025	1,650	5,025
7145 Travel expenses	37,160	40,946	21,684	40,000	23,513	25,000
7299 Other materials & supplies	302	370	574	500	308	500
7315 Food, meals, ice, water	6,696	7,287	4,508	9,000	4,172	9,000
7320 Official functions	5,775	2,500	1,323	2,700	345	-
7601 Legal Fees	111,354	157,426	121,774	300,000	143,611	152,250
7801 Communication equipment	10,851	-	-	-	-	-
7805 Computer equipment	-	-	730	-	-	900
<i>O&M NON-PERSONNEL TOTAL</i>	264,117	308,905	245,009	419,975	295,189	255,425
	\$ 264,117	\$ 308,905	\$ 245,009	\$ 419,975	\$ 295,189	\$ 255,425

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**B R O W N S V I L L E
P U B L I C U T I L I T I E S B O A R D**



Department Responsibility: Nancy Tello
Title: Records Manager
Telephone Ext: 6262
Dept. No: 1165

**PERFORMANCE MEASURES
FOR THE
RECORDS MANAGEMENT DEPARTMENT**

Department Function:

The Records Management Department function is to ensure that records are administered in an efficient and systematic control since their creation, receipt, maintenance, use and disposition, including the processes for capturing and maintaining evidence of and information about BPUB activities and transactions in the form of records. The department responds to public information requests and includes the policies and procedures function.

Department Goals/Objectives:

The objectives of the department are to assist other departments manage their records so that they are accessible and are maintained efficiently and cost effectively and to retain records that are required to be kept, identify and preserve records with permanent value and dispose of records with no further value in a secure and timely manner.

INPUT MEASURES

Employees (FTE's)
 O&M Expenses - Non Personnel

OUTPUT MEASURES

Company-wide Records Inventory (No. of Departments)
 Requests Submitted Related to the Public Information Act
 Number of Training Sessions Held Regarding Records Management
 Number of Policy or Procedure Documents Given a First Review by Records Management

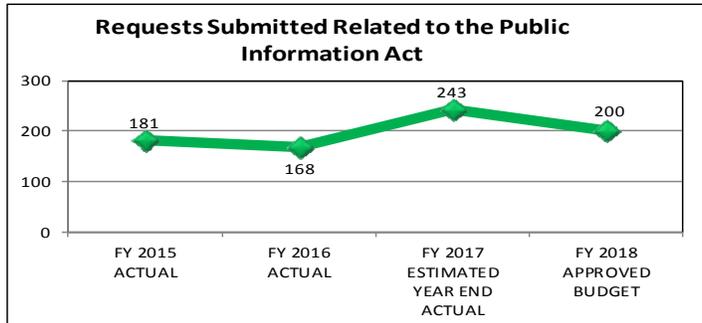
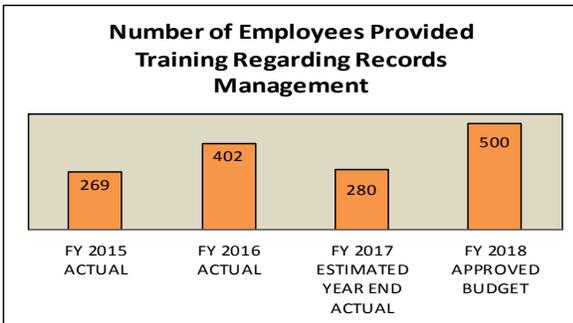
OUTCOME MEASURES

Number of departments that have completed the records inventory
 Number of Public Information Requests requiring a Texas Attorney General Opinion
 Number of Employees Provided Training Regarding Records Management
 Number of Policy or Procedure Documents Reviewed by Records Management and Approved by the BPUB Board or Executive Management

EFFICIENCY MEASURES

Average time to respond to a public information request (within the law - 10 days)
 Maintaining records management program
 Maintaining employees trained on records
 Maintaining policies and procedures program

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
Employees (FTE's)	2	2	2	3
O&M Expenses - Non Personnel	\$26,618	\$59,501	\$163,941	\$356,050
Company-wide Records Inventory (No. of Departments)	61	60	59	59
Requests Submitted Related to the Public Information Act	181	168	243	200
Number of Training Sessions Held Regarding Records Management	14	17	8	12
Number of Policy or Procedure Documents Given a First Review by Records Management	30	22	24	24
Number of departments that have completed the records inventory	4	3	3	3
Number of Public Information Requests requiring a Texas Attorney General Opinion	3	10	12	10
Number of Employees Provided Training Regarding Records Management	269	402	280	500
Number of Policy or Procedure Documents Reviewed by Records Management and Approved by the BPUB Board or Executive Management	14	21	12	12
Average time to respond to a public information request (within the law - 10 days)	6 days	6 days	6 days	3 - 5 days
Maintaining records management program	Yes	Yes	Yes	Yes
Maintaining employees trained on records	Yes	Yes	Yes	Yes
Maintaining policies and procedures program	Yes	Yes	Yes	Yes



DEPARTMENT 1165 – RECORDS MANAGEMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 61,031	\$ 64,039	\$ 64,177	\$ 63,794	\$ 66,806	\$ 67,612
6105 Administrative Staff	-	-	-	-	3,394	29,952
6110 Clerical staff	37,434	37,264	38,425	36,982	40,574	43,805
6130 Overtime	524	342	1,198	427	962	687
6201 T.M.R.S.	14,112	13,834	17,292	17,827	19,731	27,794
6205 F.I.C.A.	5,822	5,930	6,073	6,248	6,489	9,643
6210 Medicare	1,362	1,387	1,420	1,461	1,518	2,255
6214 Dental Insurance	548	546	536	605	563	837
6215 Hospitalization insurance	16,354	16,643	18,210	21,159	19,441	25,699
6220 Life Insurance	134	138	139	108	146	479
6221 Long Term Disability Insurance	258	266	267	202	287	377
6225 Workers Compensation	2,475	2,541	2,603	2,519	2,787	3,888
6230 Vacation leave	(1,286)	518	1,858	1,264	2,223	1,711
6235 Sick leave	3,769	178	1,013	1,390	6,746	1,880
6260 Vacancy Savings	-	-	-	(7,759)	-	(10,617)
<i>O&M PERSONNEL TOTAL</i>	<u>142,537</u>	<u>143,626</u>	<u>153,213</u>	<u>146,227</u>	<u>171,665</u>	<u>206,003</u>
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	123	-	73	200	43	200
7110 Dues & memberships	539	708	390	600	795	600
7120 Office supplies	894	1,977	1,006	2,000	1,496	2,000
7130 Postage/shipping charges	90	96	-	200	138	200
7135 Telephone expenses	-	-	-	710	-	2,100
7140 Training expenses	620	60	1,434	3,000	1,302	2,300
7145 Travel expenses	2,046	964	2,760	9,700	786	3,100
7225 Safety supplies	(37)	130	-	200	55	200
7299 Other materials & supplies	798	276	473	1,000	461	500
7315 Food, meals, ice, water	153	155	1,731	2,000	1,054	2,000
7325 Rental of equip/storage/land	15,876	14,986	17,625	18,000	17,541	24,000
7415 Fuels & lubricants	618	377	192	1,000	241	1,000
7601 Legal Fees	30,602	2,934	24,940	20,000	22,775	20,000
7645 Maintenance services	-	-	-	-	-	69,000
7699 Other services	9,679	3,330	8,878	29,000	114,454	212,500
7805 Computer equipment	-	-	-	6,330	45	6,990
7806 Software licenses-new	-	624	-	1,900	-	3,870
7820 Office furniture & equipment	49	-	-	5,100	2,756	5,490
<i>O&M NON-PERSONNEL TOTAL</i>	<u>62,050</u>	<u>26,618</u>	<u>59,501</u>	<u>100,940</u>	<u>163,941</u>	<u>356,050</u>
	\$ 204,587	\$ 170,244	\$ 212,714	\$ 247,167	\$ 335,606	\$ 562,053



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: Alberto Gomez Jr., P.E.
Title: Director of Environmental Services
Telephone Ext: 6251
Dept. No: 1410

**PERFORMANCE MEASURES
FOR THE
ENVIRONMENTAL SERVICES DEPARTMENT**

Department Function:

The Environmental Services Department manages the Environmental Compliance, Pretreatment, and Analytical Laboratory Departments. The Environmental Services Department develops and implements environmental policies and procedures to ensure compliance with the letter and spirit of environmental laws and reduce environmental impacts. It provides environmental compliance support services (technical, regulatory, and operational) to all Brownsville PUB and SRWA operations.

Department Goals/Objectives:

The Environmental Department's goal is to provide environmental, technical, regulatory, and operational support to all Brownsville PUB and SRWA operations in order to ensure that air emissions, hazardous waste, water quality, safe drinking water, air risk management, integrated contingency plan, spill prevention control and countermeasure, AST, UST, PCB and stormwater, compliance monitoring and reporting are appropriate and timely.

INPUT MEASURES

Employees (FTE's)
O&M Expenses

OUTPUT MEASURES

Environmental Reports Produced
Env Compliance Audits Performed
QA Compliance Audits Performed
EPA/TCEQ PT (Studies) Performed
Waste Shipments

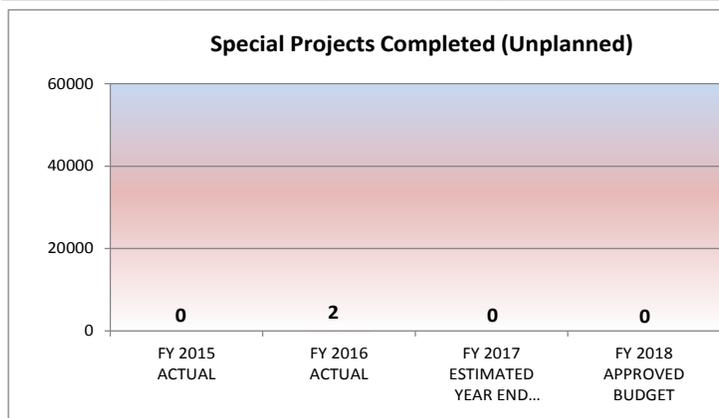
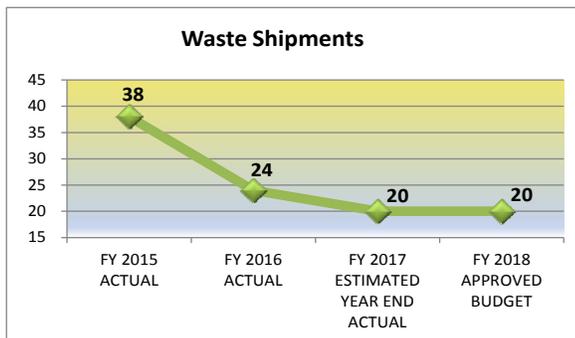
OUTCOME MEASURES

Timely Env. Report Submittals
No. of State & Federal Violations (Issued/Resolved)
Pounds Recycled

EFFICIENCY MEASURES

EPA & TCEQ Fines Levied
Special Projects Completed (Unplanned)
% Passing - QC Proficiency Tests

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
Employees (FTE's)	4	4	5	5
O&M Expenses	\$ 1,046,889	\$ 998,942	\$ 1,179,878	\$ 1,195,872
Environmental Reports Produced	107	107	108	108
Env Compliance Audits Performed	12	12	12	12
QA Compliance Audits Performed	2	1	2	2
EPA/TCEQ PT (Studies) Performed	5	5	5	5
Waste Shipments	38	24	20	20
Timely Env. Report Submittals	100%	100%	100%	100%
No. of State & Federal Violations (Issued/Resolved)	3/3	1/1	3/3	-
Pounds Recycled	472,257	251,908	180,000	180,000
EPA & TCEQ Fines Levied	\$ 1,600	\$ -	\$ -	\$ -
Special Projects Completed (Unplanned)	-	2	2	-
% Passing - QC Proficiency Tests	99%	94%	98%	100%



DEPARTMENT 1410 - ENVIRONMENTAL SERVICES

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 111,760	\$ 114,292	\$ 120,939	\$ 120,016	\$ 128,693	\$ 136,136
6105 Administrative Staff	52,160	104,554	105,651	155,314	159,614	159,973
6110 Clerical staff	37,836	38,444	39,000	38,106	39,731	39,250
6130 Overtime	365	406	804	687	1,879	2,000
6201 T.M.R.S.	28,816	35,061	45,880	55,447	59,252	59,929
6205 F.I.C.A.	12,328	15,379	15,454	19,433	18,957	20,792
6210 Medicare	2,902	3,701	3,794	4,545	4,543	4,863
6214 Dental Insurance	805	1,074	1,088	1,512	1,336	1,395
6215 Hospitalization insurance	25,583	30,586	38,919	56,462	51,619	54,312
6220 Life Insurance	267	348	352	325	429	345
6221 Long Term Disability Insurance	532	691	699	627	865	671
6225 Workers Compensation	5,429	6,827	6,905	7,836	8,371	8,384
6230 Vacation leave	2,154	(837)	1,822	3,152	2,354	4,058
6235 Sick leave	7,797	4,679	32,193	3,465	8,753	4,460
6242 Auto Benefits	7,500	7,500	7,500	7,500	7,500	7,500
6243 Telephone Benefits	1,680	1,680	1,680	1,680	1,680	1,680
6260 Vacancy Savings	-	-	-	(18,928)	-	(24,302)
<i>O&M PERSONNEL TOTAL</i>	297,915	364,383	422,681	457,178	495,577	481,445
<i>O&M NON-PERSONNEL</i>						
7101 Advertising	2,826	6,784	-	1,500	1,275	1,500
7105 Books & periodicals	600	33	-	200	92	300
7110 Dues & memberships	1,168	1,807	1,954	1,500	1,609	1,500
7120 Office supplies	806	895	1,534	1,000	1,023	1,000
7130 Postage/shipping charges	2,176	2,578	1,643	1,500	1,798	1,500
7140 Training expenses	5,416	4,242	1,840	3,520	4,655	5,335
7145 Travel expenses	6,530	8,173	10,294	11,595	11,265	11,092
7147 Mileage Reimbursement (InTownExp)	-	-	-	100	-	100
7293 Chemicals - other	20,944	22,226	16,871	23,000	19,450	23,000
7299 Other materials & supplies	595	1,925	1,862	2,500	1,700	2,500
7310 Federal, state, & local fees	349,857	344,612	376,871	427,000	450,239	475,000
7315 Food, meals, ice, water	1,528	1,545	907	500	1,453	800
7325 Rental of equip/storage/land	10,917	9,588	9,603	12,000	8,278	12,000
7335 Wearing apparel & dry goods	-	-	333	-	653	400
7415 Fuels & lubricants	3,686	2,333	1,545	1,000	2,686	1,700
7599 Maintenance / other	-	9,092	-	-	-	-
7601 Legal Fees	16,844	3,065	5,821	5,500	-	5,500
7620 Environmental consulting fees	4,875	64,719	4,311	15,000	2,145	15,000
7699 Other services	154,427	181,463	134,979	150,000	174,485	150,000
7805 Computer equipment	-	-	3,840	-	299	300
7810 Laboratory equipment	-	17,300	-	-	-	-
7820 Office furniture & equipment	99	125	2,052	4,200	1,196	5,700
7899 Other minor tools & equipment	-	-	-	200	-	200
<i>O&M NON-PERSONNEL TOTAL</i>	583,294	682,506	576,261	661,815	684,301	714,427
	\$ 881,209	\$ 1,046,889	\$ 998,942	\$ 1,118,993	\$ 1,179,878	\$ 1,195,872



Department Responsibility: Ramiro Capistran
 Title: Environmental Manager
 Telephone Ext: 6511
 Dept. No: 1420

**PERFORMANCE MEASURES
FOR THE
ENVIRONMENTAL COMPLIANCE DEPARTMENT**

Department Function:

The Environmental Compliance Department, under the direction of the Environmental Services Department, provides environmental services to all Brownsville PUB and SRWA operations in order to ensure compliance with environmental laws and reduce environmental impacts.

Department Goals/Objectives:

The Environmental Compliance Department's goal is to provide environmental services to all Brownsville PUB and SRWA operations in order to ensure environmental compliance with: air emissions, hazardous waste, safe drinking water act, risk management, integrated contingency plan, PCB/transformer disposal, spill prevention control and countermeasure, spill remediations, and any monitoring and reporting requirements.

INPUT MEASURES

Employees (FTE's)
O&M Expenses

OUTPUT MEASURES

No. of Compliance Inspections
Env. Trainings Offered
Environmental Spill Responses
Environmental Spill Remediations
No. of Reportable Emission Events

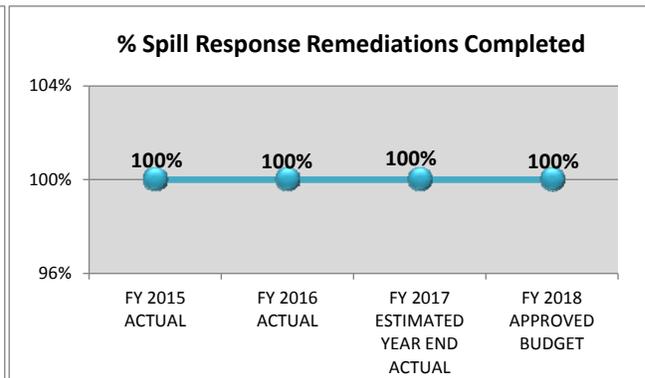
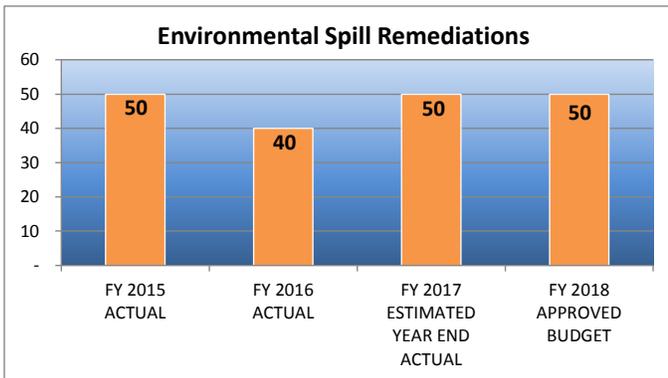
OUTCOME MEASURES

Compliance Inspection Corrective Actions
% Compliance Trainings Completed
% Spill Response Remediations Completed
Unit 9 CEMS % Availability
Unit 10 CEMS % Availability

EFFICIENCY MEASURES

EPA & TCEQ Fines Levied

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
Employees (FTE's)	6	6	6	6
O&M Expenses	\$ 878,169	\$ 949,894	\$ 955,787	\$ 1,013,948
No. of Compliance Inspections	348	345	345	345
Env. Trainings Offered	6	6	6	6
Environmental Spill Responses	50	40	50	50
Environmental Spill Remediations	50	40	50	50
No. of Reportable Emission Events	4	8	3	-
Compliance Inspection Corrective Actions	3	1	3	-
% Compliance Trainings Completed	100%	100%	100%	100%
% Spill Response Remediations Completed	100%	100%	100%	100%
Unit 9 CEMS % Availability	100%	100%	100%	100%
Unit 10 CEMS % Availability	100%	100%	100%	100%
EPA & TCEQ Fines Levied	\$ 1,600	\$ -	\$ -	\$ -



DEPARTMENT 1420 – ENVIRONMENTAL COMPLIANCE

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 151,619	\$ 120,486	\$ 79,635	\$ 78,790	\$ 80,979	\$ 81,162
6105 Administrative Staff	180,211	158,777	193,377	197,829	254,716	203,778
6115 Operational staff	52,826	105,356	93,829	87,963	41,637	96,013
6130 Overtime	2,311	3,066	3,978	5,517	4,715	5,000
6201 T.M.R.S.	55,177	52,874	61,796	64,495	67,487	68,076
6205 F.I.C.A.	23,261	23,358	22,310	22,604	22,690	23,619
6210 Medicare	5,440	5,463	5,218	5,286	5,306	5,524
6214 Dental Insurance	1,649	1,626	1,535	1,814	1,598	1,674
6215 Hospitalization insurance	47,750	47,536	50,345	58,056	55,513	58,286
6220 Life Insurance	511	517	487	376	491	395
6221 Long Term Disability Insurance	1,010	1,024	962	729	986	762
6225 Workers Compensation	9,674	9,710	9,294	9,115	9,535	9,524
6230 Vacation leave	(4,796)	(864)	2,866	4,549	4,655	4,610
6235 Sick leave	3,351	(915)	(150)	5,000	8,456	5,067
6260 Vacancy Savings	-	-	-	(27,133)	-	(27,441)
<i>O&M PERSONNEL TOTAL</i>	<u>529,994</u>	<u>528,014</u>	<u>525,482</u>	<u>514,992</u>	<u>558,765</u>	<u>536,048</u>
<i>O&M NON-PERSONNEL</i>						
7101 Advertising	2,544	7,217	-	5,000	4,594	5,000
7105 Books & periodicals	-	175	309	250	672	250
7110 Dues & memberships	772	570	1,022	750	756	900
7120 Office supplies	1,601	2,225	1,378	2,200	1,673	2,200
7130 Postage/shipping charges	1,105	1,541	1,237	1,500	667	1,200
7135 Telephone expenses	-	-	30	-	-	-
7140 Training expenses	5,453	9,496	6,843	8,000	3,265	10,000
7145 Travel expenses	8,792	9,602	12,236	12,000	10,743	15,000
7147 Mileage Reimbursement (InTownExp)	-	-	38	100	-	100
7293 Chemicals - other	-	232	132	750	-	750
7299 Other materials & supplies	37,674	25,634	19,929	25,000	23,545	25,000
7310 Federal, state, & local fees	38,688	26,829	17,979	20,000	20,860	22,000
7315 Food, meals, ice, water	947	731	695	750	687	750
7325 Rental of equip/storage/land	242	3,232	10,055	6,000	3,258	6,000
7335 Wearing apparel & dry goods	1,549	2,382	2,442	2,000	2,700	2,000
7415 Fuels & lubricants	1,066	915	1,331	1,000	956	1,000
7599 Maintenance / other	-	12,671	14,676	10,000	3,663	10,000
7620 Environmental consulting fees	51,656	64,588	87,498	90,000	57,128	85,000
7635 Software maintenance service fees	17,000	17,000	17,000	20,000	17,000	20,000
7645 Maintenance services	49,281	831	14,779	20,000	-	33,000
7699 Other services	124,630	157,114	212,833	180,000	244,307	233,600
7820 Office furniture & equipment	176	1,728	1,081	2,900	550	2,900
7835 Tools, shop and garage equipment	-	3,396	-	250	-	250
7899 Other minor tools & equipment	2,123	2,046	888	1,000	-	1,000
<i>O&M NON-PERSONNEL TOTAL</i>	<u>345,299</u>	<u>350,155</u>	<u>424,412</u>	<u>409,450</u>	<u>397,022</u>	<u>477,900</u>
	\$ 875,293	\$ 878,169	\$ 949,894	\$ 924,442	\$ 955,787	\$ 1,013,948



Department Responsibility: Lee Roy G. Atkinson
 Title: Laboratory Manager
 Telephone Ext: 6357
 Dept. No: 1422

**PERFORMANCE MEASURES
 FOR THE
 ANALYTICAL LABORATORY DEPARTMENT**

Department Function:

The Analytical Laboratory Department provides accurate and precise laboratory analyses results to the Environmental Protection Agency (EPA), the Texas Commission on Environmental Quality (TCEQ), BPUB's customers, City of Brownsville Health Department, Water Treatment Plants, Wastewater Treatment Plants, Power Plant, Resaca Maintenance and the Distribution System. These analytical analyses are performed in accordance to the EPA, TCEQ, and the National Environmental Laboratory Accreditation Program (NELAP) requirements. We are officially accredited by the NELAP and approved by the EPA and TCEQ to conduct laboratory analyses as a commercial laboratory. All of the analytical analyses performed for compliance are defensible before any United States Judicial Court System.

Department Goals/Objectives:

The Analytical Laboratory Department's objective is to achieve the best analytical analyses through implementation of federal and state laboratory standards, enhance quality assurance and quality control that support current and future accreditation programs, and achieve costs savings through ongoing development and implementation of efficient standard operating procedures.

INPUT MEASURES

Employees (FTE's)
 O&M Personnel
 O&M Non-Personnel

OUTPUT MEASURES

Financial Operational Reports Produced (monthly)
 TCEQ Daily/Monthly/Quarterly Operational Reports
 Quarterly Operational Reports
 Annual Water Quality Reports
 Daily Operational Reports
 Total of Analytical Analyses Conducted

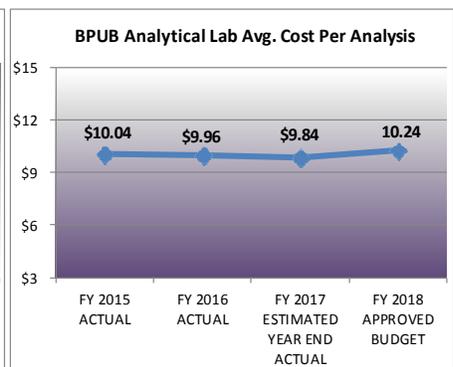
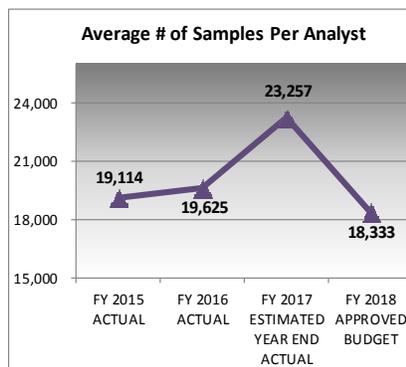
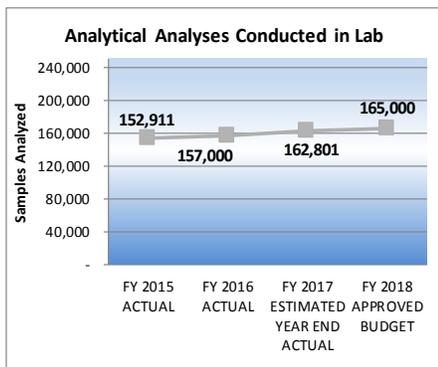
OUTCOME MEASURES

Maintain Quarterly Quality Control Standards
 Maintain Quarterly Proficiency Testing Standards
 Percentage of Proficiency Testing Evaluated as Acceptable
 Compliance with NELAP, EPA & TCEQ Certifications
 EPA / TCEQ Compliance Monitoring Schedules

EFFICIENCY MEASURES

BPUB Analytical Lab Average Cost Per Analysis
 Average # of Samples Per Analyst

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
Employees (FTE's)	16	16	16	16
O&M Personnel	\$ 973,325	\$ 916,913	\$ 1,004,538	\$ 1,045,893
O&M Non-Personnel	\$ 561,750	\$ 646,837	\$ 597,868	\$ 643,819
	\$ 1,535,075	\$ 1,563,750	\$ 1,602,406	\$ 1,689,712
Financial Operational Reports Produced (monthly)	12	12	12	12
TCEQ Daily/Monthly/Quarterly Operational Reports	84	90	136	152
Quarterly Operational Reports	24	24	24	24
Annual Water Quality Reports	49	49	49	49
Daily Operational Reports	4,587	4,587	4,587	4,587
Total of Analytical Analyses Conducted	152,911	157,000	162,801	165,000
Maintain Quarterly Quality Control Standards	YES	YES	YES	YES
Maintain Quarterly Proficiency Testing Standards	YES	YES	YES	YES
Percentage of Proficiency Testing Evaluated as Acceptable	99%	97%	96%	100%
Compliance with NELAP, EPA & TCEQ Certifications	YES/YES/YES	YES/YES/YES	YES/YES/YES	YES/YES/YES
EPA / TCEQ Compliance Monitoring Schedules	YES/YES	YES/YES	YES/YES	YES/YES
BPUB Analytical Lab Average Cost Per Analysis	\$ 10.04	\$ 9.96	\$ 9.84	\$ 10.24
Average # of Samples Per Analyst	19,114	19,625	23,257	18,333.33



DEPARTMENT 1422 - ANALYTICAL LABORATORY

ACCOUNT DESCRIPTION	ACTUAL FY 2015	ACTUAL FY 2016	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>				
6101 Supervision	\$ 128,663	\$ 128,688	\$ 135,424	\$ 137,679
6105 Administrative Staff	92,728	87,749	110,514	148,949
6110 Clerical staff	33,616	33,600	34,393	34,195
6115 Operational staff	391,754	353,712	340,464	382,387
6130 Overtime	34,916	37,761	62,051	42,523
6201 T.M.R.S.	92,776	106,844	119,400	125,664
6205 F.I.C.A.	40,191	38,216	40,085	43,599
6210 Medicare	9,400	8,938	9,375	10,197
6214 Dental Insurance	4,092	3,625	3,511	4,464
6215 Hospitalization insurance	113,182	106,900	105,614	129,658
6220 Life Insurance	890	821	820	1,453
6221 Long Term Disability Insurance	1,693	1,568	1,603	1,552
6225 Workers Compensation	17,132	16,165	16,907	17,580
6230 Vacation leave	1,310	(1,304)	5,103	8,509
6235 Sick leave	7,379	(6,369)	19,274	9,353
6240 Educational assistance	3,603	-	-	-
6260 Vacancy Savings	-	-	-	(51,869)
<i>O&M PERSONNEL TOTAL</i>	<u>973,325</u>	<u>916,913</u>	<u>1,004,538</u>	<u>1,045,893</u>
<i>O&M NON-PERSONNEL</i>				
7105 Books & periodicals	-	-	-	1,200
7110 Dues & memberships	1,632	3,516	2,367	1,500
7120 Office supplies	4,295	2,516	4,272	4,000
7130 Postage/shipping charges	8,892	7,670	7,061	4,700
7140 Training expenses	5,080	5,225	4,600	5,240
7145 Travel expenses	6,210	6,908	7,232	8,260
7180 Utilities - departmental	52,869	51,407	45,982	45,000
7205 Lamps, globes & flares	-	1,738	-	-
7215 Laundry & janitorial supplies	34	34	-	-
7225 Safety supplies	396	135	592	-
7293 Chemicals - other	92,365	84,441	97,183	105,200
7299 Other materials & supplies	43,384	27,142	28,646	30,000
7310 Federal, state, & local fees	3,050	3,050	3,050	3,525
7315 Food, meals, ice, water	923	1,071	909	1,000
7325 Rental of equip/storage/land	20,733	23,904	19,868	21,962
7335 Wearing apparel & dry goods	6,654	3,061	5,312	4,800
7415 Fuels & lubricants	3,989	3,877	3,601	5,500
7501 Maint. of buildings & structures	-	76,611	-	55,594
7645 Maintenance services	130,694	155,788	153,618	164,000
7699 Other services	130,021	160,573	153,317	144,650
7805 Computer equipment	-	-	-	1,781
7806 Software licenses-new	2,021	2,528	639	650
7810 Laboratory equipment	47,882	25,644	55,680	30,757
7820 Office furniture & equipment	266	-	3,562	-
7899 Other minor tools & equipment	361	-	379	4,500
<i>O&M NON-PERSONNEL TOTAL</i>	<u>561,750</u>	<u>646,837</u>	<u>597,868</u>	<u>643,819</u>
	\$ 1,535,075	\$ 1,563,750	\$ 1,602,406	\$ 1,689,712



**B R O W N S V I L L E
P U B L I C U T I L I T I E S B O A R D**



Department Responsibility: Vicente Guerrero III
Title: Pretreatment/Cross Conn Co Manager
Telephone Ext: 6259
Dept. No: 1430

**PERFORMANCE MEASURES
FOR THE
PRE-TREATMENT DEPARTMENT**

Department Function:

The Pre-Treatment Department function is to prevent pass through of untreated pollutants through the wastewater system and interference as specified in the EPA Clean Water Act of 1973 and Pretreatment Regulations 40 CFR 403.

Department Goals/Objectives:

The Pre-Treatment Department's objective is to implement sound consistent pretreatment programs to comply with pretreatment regulations and prevent enforcement actions from State and Federal agencies.

INPUT MEASURES

Employees (FTE's)
O & M Expenses

OUTPUT MEASURES

Operational Reports (monthly)
Number of Significant Ind. Users (SIU)
Number of Users Surcharge
Number of Commercial Users
Pretreatment Annual Report

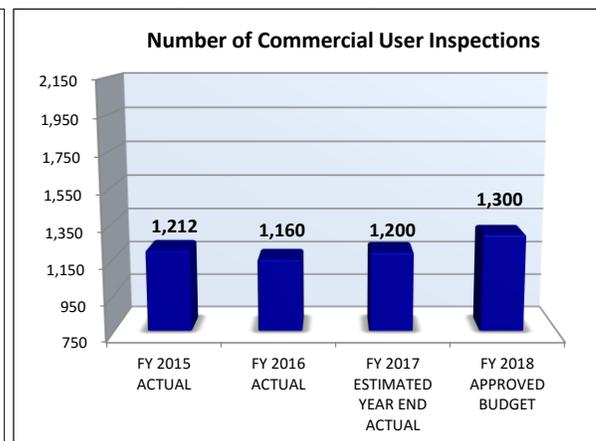
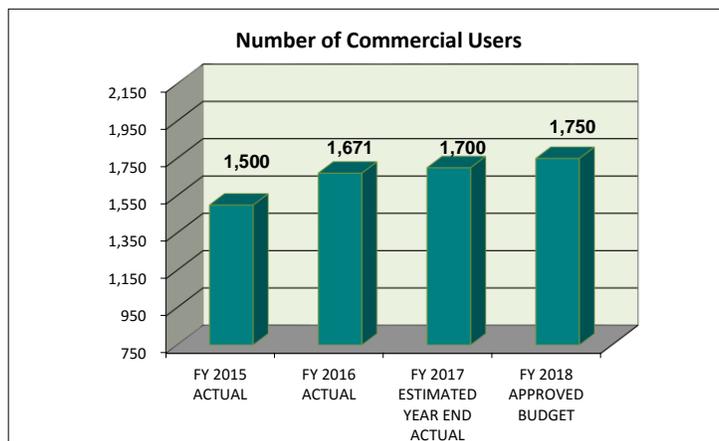
OUTCOME MEASURES

Number of Compliance Inspections for SIU's
Number of Compliance Sampling Events for
Number of Permits Issued
Number of Surcharge Sampling Events
Number of Commercial User Inspections

EFFICIENCY MEASURES

EPA & TCEQ Audits & Inspections Violations
Cost Recovery
Surcharges

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
Employees (FTE's)	10	12	11	8
O & M Expenses	\$ 778,529	\$ 923,680	\$ 590,589	\$ 634,580
OUTPUT MEASURES				
Operational Reports (monthly)	12	12	12	12
Number of Significant Ind. Users (SIU)	10	10	10	10
Number of Users Surcharge	4	5	7	7
Number of Commercial Users	1,500	1,671	1,700	1,750
Pretreatment Annual Report	1	1	1	1
OUTCOME MEASURES				
Number of Compliance Inspections for SIU's	10	10	10	10
Number of Compliance Sampling Events for	20	20	20	20
Number of Permits Issued	10	10	10	10
Number of Surcharge Sampling Events	24	36	36	36
Number of Commercial User Inspections	1,212	1,160	1,200	1,300
EFFICIENCY MEASURES				
EPA & TCEQ Audits & Inspections Violations	0/1/0	0/0/0	0/0/1	0/0/0
Cost Recovery	\$ 40,013	\$ 41,018	\$ 42,867	\$ 41,299
Surcharges	\$ 82,632	\$ 91,861	\$ 76,116	\$ 83,536



DEPARTMENT 1430 – PRE-TREATMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 78,624	\$ 79,991	\$ 80,099	\$ 79,685	\$ 82,330	\$ 83,699
6105 Administrative Staff	156,060	211,224	243,060	185,157	137,477	150,176
6110 Clerical staff	27,877	28,501	28,582	28,205	31,243	32,092
6115 Operational staff	126,737	153,100	187,739	172,444	113,203	111,238
6130 Overtime	3,887	8,077	6,727	9,924	6,683	7,000
6201 T.M.R.S.	56,570	65,413	90,934	82,345	66,225	67,407
6205 F.I.C.A.	23,757	28,538	32,352	28,860	21,980	23,387
6210 Medicare	5,556	6,674	7,566	6,750	5,140	5,469
6214 Dental Insurance	2,441	2,837	3,160	3,084	2,068	2,232
6215 Hospitalization insurance	60,035	73,424	93,484	90,795	63,015	70,620
6220 Life Insurance	537	656	754	507	486	409
6221 Long Term Disability Insurance	1,014	1,248	1,435	931	943	754
6225 Workers Compensation	9,925	12,023	13,801	11,637	9,386	9,430
6230 Vacation leave	4,153	5,863	(1,200)	6,220	1,068	4,564
6235 Sick leave	6,518	3,621	(5,678)	6,837	(26,466)	5,017
6240 Educational assistance	-	-	2,323	-	-	-
6260 Vacancy Savings	-	-	-	(38,120)	-	(27,846)
<i>O&M PERSONNEL TOTAL</i>	<u>563,692</u>	<u>681,189</u>	<u>785,138</u>	<u>675,263</u>	<u>514,781</u>	<u>545,650</u>
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	522	424	202	500	-	335
7110 Dues & memberships	637	1,027	972	1,500	642	1,000
7120 Office supplies	2,561	3,000	5,314	5,000	2,210	3,000
7130 Postage/shipping charges	207	328	81	500	104	250
7140 Training expenses	4,550	6,991	3,461	5,000	4,102	5,995
7145 Travel expenses	7,599	5,846	5,905	6,000	6,201	5,600
7147 Mileage Reimbursement (InTownExp)	-	10	-	500	-	250
7215 Laundry & janitorial supplies	415	299	231	1,000	110	500
7225 Safety supplies	826	673	934	1,000	559	500
7293 Chemicals - other	488	888	628	1,500	1,718	2,000
7299 Other materials & supplies	7,052	8,740	7,220	6,000	4,774	6,000
7315 Food, meals, ice, water	579	1,039	593	1,500	865	1,000
7325 Rental of equip/storage/land	5,088	4,785	6,773	6,000	3,801	6,000
7335 Wearing apparel & dry goods	2,027	2,700	4,735	5,000	4,925	3,000
7415 Fuels & lubricants	6,535	3,793	3,641	4,000	3,258	2,500
7501 Maint. of buildings & structures	12,286	13,350	51,141	10,000	517	10,000
7635 Software maintenance service fees	1,719	2,660	4,350	13,500	2,892	5,000
7645 Maintenance services	6,327	5,320	7,942	10,500	8,852	9,000
7699 Other services	40,461	35,232	34,419	50,000	29,238	25,000
7820 Office furniture & equipment	921	235	-	2,500	1,041	2,000
7899 Other minor tools & equipment	8,353	-	-	-	-	-
<i>O&M NON-PERSONNEL TOTAL</i>	<u>109,153</u>	<u>97,340</u>	<u>138,542</u>	<u>131,500</u>	<u>75,808</u>	<u>88,930</u>
	\$ 672,845	\$ 778,529	\$ 923,680	\$ 806,763	\$ 590,589	\$ 634,580



Department Responsibility: Vicente Guerrero III
Title: Pretreatment/Cross Conn Co Manager
Telephone Ext: 6259
Dept. No: 1435

**PERFORMANCE MEASURES
 FOR THE
 CROSS CONNECTION CONTROL DEPARTMENT**

Department Function:

The Cross Connection Control Department function is to protect the Public Drinking Water Supply by isolating any plumbing cross-connections in the distribution system that could back flow into the city's water supply system, as specified in the EPA Clean Water Act of 1973 and the RG-478 Establishing and Managing an Effective Cross Connection Program.

Department Goals/Objectives:

The Cross Connection Control Department objectives is to provide guidelines to ensure regulatory requirements promulgated the purpose of protecting the water supply and preventing enforcement actions from State and Federal Agencies.

INPUT MEASURES

Employees (FTE's)
 O & M Expenses

OUTPUT MEASURES

Number of facilities
 Number of assemblies
 Number of commercial
 Number of residential
 Number of Industrial

OUTCOME MEASURES

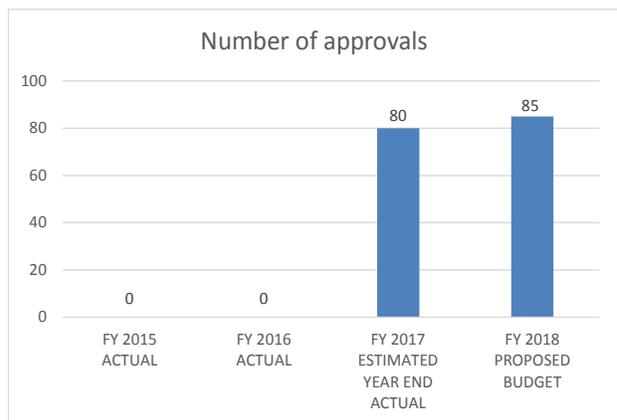
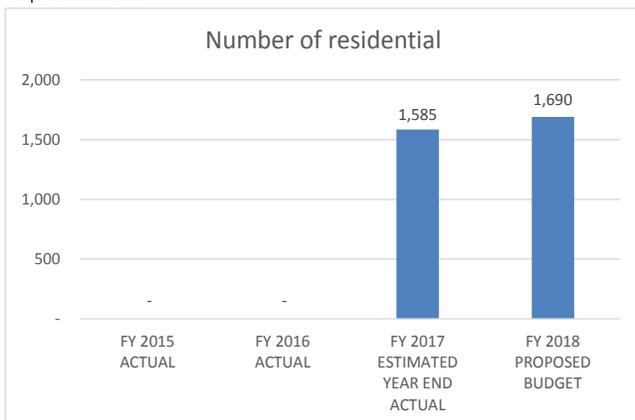
Number of customer service inspections
 Number of approvals

EFFICIENCY MEASURES

EPA & TCEQ Audits & Inspections Violations

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
Employees (FTE's)	-	-	3	3
O & M Expenses	\$ -	\$ -	\$ 212,021	\$ 258,032
Number of facilities	-	-	3,105	3,300
Number of assemblies	-	-	4,379	4,579
Number of commercial	-	-	1,439	1,575
Number of residential	-	-	1,585	1,690
Number of Industrial	-	-	81	85
Number of customer service inspections	-	-	80	85
Number of approvals	-	-	80	85
EPA & TCEQ Audits & Inspections Violations			0/0/0	0/0/0

*New Department in 2017



DEPARTMENT 1435 – CROSS CONNECTION CONTROL

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6105 Administrative Staff	\$ -	\$ -	\$ -	\$ -	\$ 50,002	\$ 54,787
6115 Operational staff	-	-	-	-	50,676	81,952
6130 Overtime	-	-	-	-	800	3,000
6201 T.M.R.S.	-	-	-	-	17,901	23,201
6205 F.I.C.A.	-	-	-	-	5,986	8,050
6210 Medicare	-	-	-	-	1,400	1,883
6214 Dental Insurance	-	-	-	-	674	837
6215 Hospitalization insurance	-	-	-	-	20,747	23,197
6220 Life Insurance	-	-	-	-	151	386
6221 Long Term Disability Insurance	-	-	-	-	291	312
6225 Workers Compensation	-	-	-	-	2,760	3,246
6230 Vacation leave	-	-	-	-	4,781	1,655
6235 Sick leave	-	-	-	-	28,167	1,819
6260 Vacancy Savings	-	-	-	-	-	(9,893)
<i>O&M PERSONNEL TOTAL</i>	-	-	-	-	184,336	194,432
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	-	208	250
7110 Dues & memberships	-	-	-	-	251	750
7120 Office supplies	-	-	-	-	1,983	3,000
7130 Postage/shipping charges	-	-	-	-	-	250
7140 Training expenses	-	-	-	-	-	1,200
7145 Travel expenses	-	-	-	-	-	1,800
7147 Mileage Reimbursement (InTownExp)	-	-	-	-	-	150
7215 Laundry & janitorial supplies	-	-	-	-	144	500
7225 Safety supplies	-	-	-	-	387	350
7293 Chemicals - other	-	-	-	-	-	350
7299 Other materials & supplies	-	-	-	-	5,005	5,000
7315 Food, meals, ice, water	-	-	-	-	72	500
7325 Rental of equip/storage/land	-	-	-	-	2,260	2,500
7335 Wearing apparel & dry goods	-	-	-	-	-	2,500
7415 Fuels & lubricants	-	-	-	-	-	1,500
7635 Software maintenance service fees	-	-	-	-	3,600	4,000
7645 Maintenance services	-	-	-	-	3,015	3,000
7699 Other services	-	-	-	-	10,360	35,000
7820 Office furniture & equipment	-	-	-	-	400	1,000
<i>O&M NON-PERSONNEL TOTAL</i>	-	-	-	-	27,685	63,600
	\$ -	\$ -	\$ -	\$ -	\$ 212,021	\$ 258,032



Department Responsibility: Jo Anna Tijerina
Title: Health & Safety Manager
Telephone Ext: 6257
Dept. No: 1440

**PERFORMANCE MEASURES
 FOR THE
 HEALTH & SAFETY DEPARTMENT**

Department Function:

The function of the Health & Safety Department is to provide a safe and healthful work environment for Brownsville PUB employees by planning, developing, managing, and implementing safety and health programs in accordance with local, state, and federal standards.

Department Goals/Objectives:

The Health and Safety Department's objective is to be proactive and identify potential hazards and mediate them before the employee is injured. To properly train and educate the employees of the importance of safety equipment and safety procedures in order to maintain a safe working environment. If an injury is sustained, then the Health and Safety Department must make sure that the injured employee is given the best medical care available and enable the injured employee to return to work within a timely manner.

INPUT MEASURES

Employees (FTE)
O&M Expenses

OUTPUT MEASURES

BPUB Injury/Illness Loss Report
Workers Compensation Claim Report
Safety Training Reports
Crew Visit Inspections
Number of Training Sessions Held

OUTPUT MEASURES

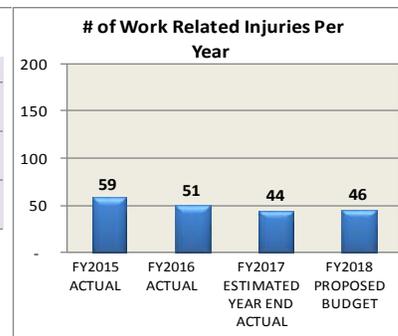
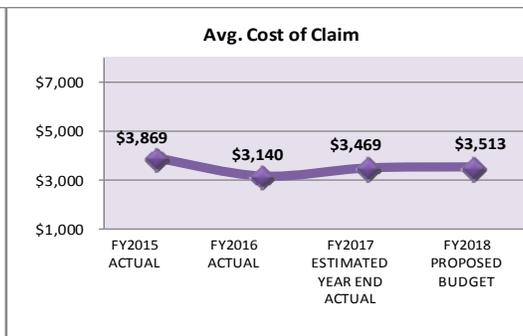
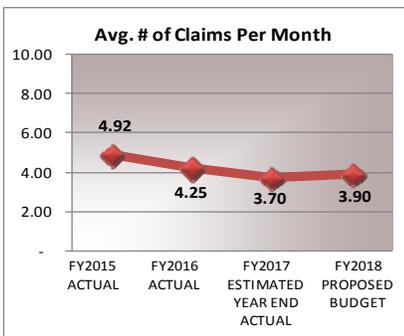
Maintain Monthly Count of Incidents by Department
Maintain Monthly Tally of Cost Per Injury
Track % of Timeliness of Reporting
Number of Employees Provided Training
Total Number of Training Hours

EFFICIENCY MEASURES

Avg. # of Claims Per Month
Avg. Cost of Claim
of Work Related Injuries Per Year
Lost Time Accident/Incident Rate
Cost of Training Hour
Cost per Employee Attendee

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
Employees (FTE)	6	6	6	6
O&M Expenses	\$ 1,019,317	\$ 1,094,945	\$ 1,255,485	\$ 1,957,388
BPUB Injury/Illness Loss Report	12	12	12	12
Workers Compensation Claim Report	12	12	12	12
Safety Training Reports	12	12	12	12
Crew Visit Inspections	250	300	430	780
Number of Training Sessions Held	140	110*	125	130
Maintain Monthly Count of Incidents by Department	Yes	Yes	Yes	Yes
Maintain Monthly Tally of Cost Per Injury	Yes	Yes	Yes	Yes
Track % of Timeliness of Reporting	98%	90%	100%	0%
Number of Employees Provided Training	1,755	1,200	1,190	1,300
Total Number of Training Hours	5,600	3,500	3,423	3,585
Avg. # of Claims Per Month	4.92	4.25	3.70	3.90
Avg. Cost of Claim	\$ 3,869	\$ 3,140	\$ 3,469	\$ 3,513
# of Work Related Injuries Per Year	59	51	44	46
Lost Time Accident/Incident Rate	10.94	9.25	8.95	9.60
Cost of Training Hour	10.50	10.60	26.60	24.80
Cost per Employee Attendee	31.33	32.34	76.52	70.00

*(Reduced to one training per month due to budget)



DEPARTMENT 1440 – HEALTH & SAFETY

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 83,921	\$ 93,000	\$ 92,611	\$ 92,643	\$ 96,700	\$ 100,942
6105 Administrative Staff	143,572	162,154	160,491	209,893	220,097	223,775
6110 Clerical staff	59,598	58,059	27,035	25,085	27,068	27,758
6130 Overtime	163	651	330	865	174	300
6201 T.M.R.S.	40,967	42,723	48,259	57,956	60,742	62,987
6205 F.I.C.A.	17,201	18,642	17,405	20,313	20,461	21,853
6206 Suta	-	-	-	-	9,963	-
6210 Medicare	4,023	4,360	4,070	4,751	4,785	5,111
6214 Dental Insurance	1,580	1,617	1,350	1,814	1,619	1,674
6215 Hospitalization insurance	40,888	44,104	39,750	55,681	49,687	51,398
6220 Life Insurance	392	428	371	347	458	369
6221 Long Term Disability Insurance	752	829	725	655	910	705
6225 Workers Compensation	7,223	7,885	7,320	8,191	8,582	8,812
6230 Vacation leave	1,897	1,226	1,689	-	7,606	4,265
6235 Sick leave	(3,489)	(1,826)	7,663	4,357	11,872	4,688
6260 Vacancy Savings	-	-	-	(23,912)	-	(25,269)
<i>O&M PERSONNEL TOTAL</i>	<u>398,687</u>	<u>433,851</u>	<u>409,069</u>	<u>458,637</u>	<u>520,725</u>	<u>489,368</u>
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	6,123	888	325	5,000	17,819	6,920
7110 Dues & memberships	7,830	5,184	1,535	3,250	1,733	2,000
7115 Educational material	60	3,445	6,785	8,000	30,990	14,850
7120 Office supplies	3,832	4,035	4,823	5,000	5,618	5,000
7125 Photo equipment/supplies	-	255	-	100	-	150
7130 Postage/shipping charges	4	127	172	500	33	500
7135 Telephone expenses	1,215	1,751	1,582	3,000	7,972	10,400
7140 Training expenses	3,670	1,155	3,045	4,000	304	5,000
7145 Travel expenses	6,482	1,399	8,463	5,000	1,426	9,500
7220 Medical supplies	664	492	282	1,000	-	3,000
7225 Safety supplies	2,738	7,032	13,941	15,000	6,031	7,000
7299 Other materials & supplies	7,881	20,992	17,978	10,000	35,938	22,700
7315 Food, meals, ice, water	2,202	1,746	2,214	4,000	1,404	4,000
7322 Recognition Program	27,896	28,032	27,815	30,000	31,993	44,650
7325 Rental of equip/storage/land	-	1,056	1,911	3,100	1,517	3,100
7415 Fuels & lubricants	4,294	2,449	2,190	4,000	2,679	7,200
7635 Software maintenance service fees	19,154	24,841	25,082	25,000	14,532	39,000
7645 Maintenance services	16,428	18,535	27,585	28,800	25,056	32,300
7650 Security services	327,928	324,692	383,028	500,000	414,257	635,000
7699 Other services	153,619	124,109	149,411	100,000	126,139	526,000
7801 Communication equipment	-	-	2,920	-	-	-
7805 Computer equipment	-	170	1,493	7,300	-	11,400
7806 Software licenses -new	-	312	1,021	2,000	4,654	7,500
7820 Office furniture & equipment	831	1,071	1,180	2,750	814	2,750
7899 Other minor tools & equipment	20,462	11,697	1,095	15,000	3,852	68,100
<i>O&M NON-PERSONNEL TOTAL</i>	<u>613,313</u>	<u>585,466</u>	<u>685,876</u>	<u>781,800</u>	<u>734,760</u>	<u>1,468,020</u>
	\$ 1,012,000	\$ 1,019,317	\$ 1,094,945	\$ 1,240,437	\$ 1,255,485	\$ 1,957,388



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: James McCann
Title: Director of Electrical Systems
Telephone Ext: 6204
Dept. No. 2110

**PERFORMANCE MEASURES
FOR THE
ELECTRIC TRANSMISSION AND DISTRIBUTION SUPPORT SERVICES DEPARTMENT**

Department Function:

Developing, implementing, managing, and communicating effective execution of operational strategies, processes, and programs for Transmission, Distribution, Substations, and Electric Engineering.

Department Goals/Objectives:

Plan, organize, and direct the initiatives, and strategies of the Division's business operations. Coordinate with assigned staff for the execution of strategies and business operations to optimize the allocation of resources.

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 52,233	\$ 140,543	\$ 20,116	\$ -	\$ -	\$ -
6201 T.M.R.S.	7,407	19,129	2,702	-	-	-
6205 F.I.C.A.	3,398	7,379	53	-	-	-
6210 Medicare	802	2,155	295	-	-	-
6214 Dental Insurance	99	273	42	-	-	-
6215 Hospitalization insurance	3,391	9,262	1,413	-	-	-
6220 Life Insurance	59	178	30	-	-	-
6221 Long Term Disability Insurance	124	372	62	-	-	-
6225 Workers Compensation	1,394	3,743	512	-	-	-
6230 Vacation leave	5,385	538	808	-	-	-
6235 Sick leave	48,463	-	-	-	-	-
6242 Auto Benefits	2,885	7,500	288	-	-	-
6243 Telephone Benefits	646	1,680	65	-	-	-
<i>O&M PERSONNEL TOTAL</i>	<u>126,285</u>	<u>192,753</u>	<u>26,385</u>	-	-	-
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	71	-	-	-	-
7110 Dues & memberships	240	1,100	-	500	-	-
7120 Office supplies	144	233	93	2,500	-	-
7130 Postage/shipping charges	-	-	-	750	-	-
7140 Training expenses	-	-	303	2,500	-	-
7145 Travel expenses	-	84	683	7,000	-	-
7215 Laundry & janitorial supplies	-	-	-	500	-	-
7225 Safety supplies	-	-	-	3,000	-	-
7299 Other materials & supplies	-	360	29	10,000	-	-
7315 Food, meals, ice, water	-	29	-	500	-	-
7325 Rental of equip/storage/land	-	-	-	10,000	-	-
7335 Wearing apparel & dry goods	-	-	-	4,000	-	-
7415 Fuels & lubricants	-	-	-	6,000	-	-
7501 Maint. of buildings & structures	-	-	-	5,000	-	-
7505 Maint. of communication equipment	-	-	-	3,000	-	-
7540 Maint. of line transformers	-	-	-	15,000	-	-
7550 Maint. of overhead lines	-	-	-	50,000	-	-
7570 Maint. of underground lines	-	-	-	50,000	-	-
7635 Software maintenance service fees	-	795	-	-	-	-
7699 Other services	-	-	-	3,000	-	-
7801 Communication equipment	320	-	-	-	-	-
7805 Computer equipment	-	80	-	2,000	-	-
7806 Software licenses-new	-	800	-	-	-	-
7820 Office furniture & equipment	-	-	-	2,000	-	-
7835 Tools, shop and garage equipment	-	-	-	3,000	-	-
7899 Other minor tools & equipment	61	-	-	15,000	-	-
<i>O&M NON-PERSONNEL TOTAL</i>	<u>765</u>	<u>3,552</u>	<u>1,108</u>	<u>195,250</u>	-	-
	\$ 127,050	\$ 196,305	\$ 27,493	\$ 195,250	\$ -	\$ -

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**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: Arnulfo Mejia
Title: Substations & Relaying Manager
Telephone Ext: 6327
Dept. No: 2120

**PERFORMANCE MEASURES
FOR THE
SUBSTATIONS AND RELAYING DEPARTMENT**

Department Function:

The function of the Substations and Relaying Department is the daily operation, maintenance, and attention to any emergencies in the Substations.

Department Goals/Objectives:

The goal for the Substations and Relaying Department is to be the leader in providing reliable means of power transmission and distribution by maintaining all substation instrumentation and equipment in good working condition.

INPUT MEASURES

Employees (FTEs)
 O&M Expenditures
 No. of Substations
 Total Power-Transformers Capacity (MVA)

OUTPUT MEASURES

Power Transformers, Test & Maintenance
 138 KV Breakers, Test & Maintenance
 12.5 KV Breakers, Test & Maintenance

OUTCOME MEASURES

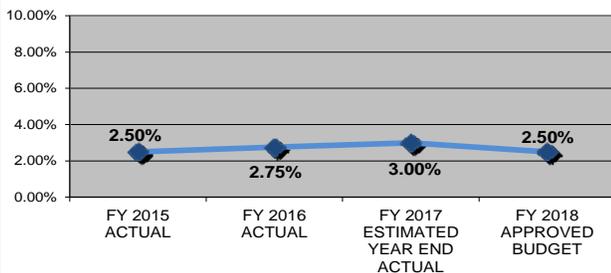
Comply With ERCOT, NERC
 Monthly Substation Inspections
 Battery Banks Inspection & Maintenance
 Relay Testing and Documentation (comply with PRC-005-1b)
 Collect Fault Data and Evaluate System Grid Integrity

EFFICIENCY MEASURES

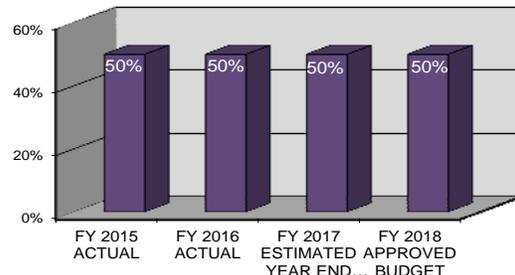
Outages in Substations
 Optimization of Existing Transmission Lines
 NERC Audits Violations
 Maintenance Reports
 New Connections

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
Employees (FTEs)	12	24	24	24
O&M Expenditures	\$ 1,076,642	\$ 1,651,724	\$ 2,011,867	\$ 2,038,321
No. of Substations	14	14	14	14
Total Power-Transformers Capacity (MVA)	672	672	672	672
Power Transformers, Test & Maintenance	6	7	8	5
138 KV Breakers, Test & Maintenance	14	9	10	12
12.5 KV Breakers, Test & Maintenance	31	30	30	24
Comply With ERCOT, NERC	Yes	Yes	Yes	Yes
Monthly Substation Inspections	Yes	Yes	Yes	Yes
Battery Banks Inspection & Maintenance	Yes	Yes	Yes	Yes
Relay Testing and Documentation (comply with PRC-005-1b)	Yes	Yes	Yes	Yes
Collect Fault Data and Evaluate System Grid Integrity	Yes	Yes	Yes	Yes
Outages in Substations	2.50%	2.75%	3.00%	2.50%
Optimization of Existing Transmission Lines	50%	50%	50%	50%
NERC Audits Violations	0%	0%	0%	0%
Maintenance Reports	100%	100%	100%	100%
New Connections	1,500	1,600	1,115	1,227

Outages in Substations



Optimization of Existing Transmission Lines



DEPARTMENT 2120 – SUBSTATIONS & RELAYING

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 96,122	\$ 97,259	\$ 106,155	\$ 106,579	\$ 110,085	\$ 111,821
6110 Clerical staff	-	-	13,328	31,158	33,932	33,846
6115 Operational staff	407,328	467,610	645,507	810,123	916,269	917,848
6130 Overtime	9,467	20,468	40,585	28,895	32,771	40,000
6140 Severance Pay	-	-	17,313	-	-	-
6201 T.M.R.S.	73,100	79,667	140,529	167,677	193,034	190,050
6205 F.I.C.A.	30,832	35,163	49,804	75,687	65,040	65,938
6206 Suta	-	-	-	-	1,437	-
6210 Medicare	7,211	8,224	11,648	13,744	15,211	15,421
6214 Dental Insurance	2,808	3,269	4,335	6,410	5,402	5,915
6215 Hospitalization insurance	73,373	84,967	129,148	189,207	164,332	173,968
6220 Life Insurance	672	766	1,018	1,033	1,350	1,294
6221 Long Term Disability Insurance	1,304	1,478	1,953	1,896	2,651	2,161
6225 Workers Compensation	12,840	14,650	20,425	23,697	27,279	26,588
6230 Vacation leave	977	5,078	28,462	11,178	22,083	12,869
6235 Sick leave	8,215	3,505	86,492	12,286	29,059	14,145
6260 Vacancy Savings	-	-	-	(68,916)	-	(77,243)
<i>O&M PERSONNEL TOTAL</i>	<u>724,250</u>	<u>822,105</u>	<u>1,296,702</u>	<u>1,410,655</u>	<u>1,619,935</u>	<u>1,534,621</u>
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	226	196	-	250	-	250
7110 Dues & memberships	464	329	271	500	297	300
7120 Office supplies	3,326	1,119	2,878	3,000	546	3,000
7130 Postage/shipping charges	273	605	878	700	995	750
7140 Training expenses	2,155	1,295	11,258	10,700	1,070	10,000
7145 Travel expenses	1,997	5,126	3,784	13,100	8,965	8,700
7180 Utilities - departmental	110,599	126,482	135,429	110,000	138,522	100,000
7190 Utilities - CP&L & Mvec	792	770	863	500	-	500
7203 Sand, Caliche, Gravel, Concrete etc	-	-	7,141	10,000	-	3,000
7215 Laundry & janitorial supplies	239	422	150	600	225	600
7225 Safety supplies	4,078	4,668	1,369	3,500	3,823	4,000
7293 Chemicals - other	3,074	4,444	3,202	3,600	3,532	3,600
7299 Other materials & supplies	19,727	7,002	8,399	30,000	9,779	15,000
7315 Food, meals, ice, water	185	218	230	500	233	500
7325 Rental of equip/storage/land	4,236	2,845	14,449	43,200	23,396	44,000
7335 Wearing apparel & dry goods	7,115	10,570	19,501	8,000	29,661	20,000
7415 Fuels & lubricants	17,233	14,018	13,307	13,000	14,963	13,500
7501 Maint. of buildings & structures	5,378	1,623	2,202	10,000	2,750	10,000
7505 Maint. of communication equipment	5,153	1,563	5,492	3,000	1,682	3,000
7540 Maint. of line transformers	35,043	12,967	8,707	35,000	35,814	95,000
7555 Maint. of station equipment	11,026	17,072	42,334	35,000	41,848	45,000
7565 Maint. of street lighting & signals	314	-	-	-	-	-
7645 Maintenance services	39,437	8,243	31,374	30,000	32,484	45,000
7699 Other services	250	11,226	12,490	15,000	11,602	18,000
7805 Computer equipment	613	-	4,234	8,000	187	8,000
7806 Software licenses-new	3,650	-	-	-	-	6,500
7820 Office furniture & equipment	3,886	2,552	59	3,500	238	3,500
7835 Tools, shop and garage equipment	4,283	3,550	3,442	4,000	3,447	12,000
7899 Other minor tools & equipment	17,105	15,634	21,580	20,000	25,877	30,000
<i>O&M NON-PERSONNEL TOTAL</i>	<u>301,856</u>	<u>254,537</u>	<u>355,022</u>	<u>414,650</u>	<u>391,932</u>	<u>503,700</u>
	\$ 1,026,106	\$ 1,076,642	\$ 1,651,724	\$ 1,825,305	\$ 2,011,867	\$ 2,038,321



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: Manuel Arredondo
Title: Electric Operations Manager
Telephone Ext: 6323
Dept. No: 2130

**PERFORMANCE MEASURES
FOR THE
ELECTRIC TRANSMISSION AND DISTRIBUTION NEW CONSTRUCTION DEPARTMENT**

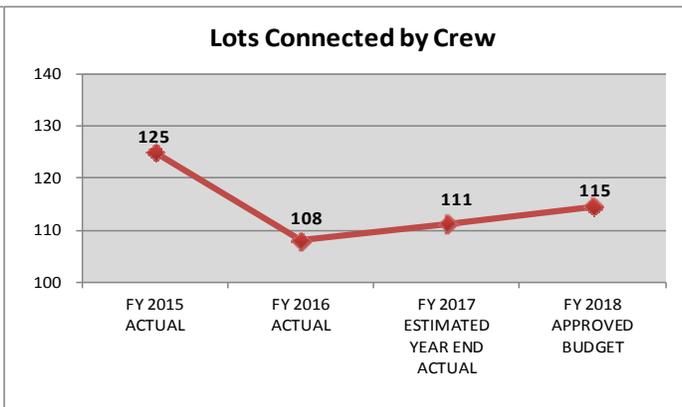
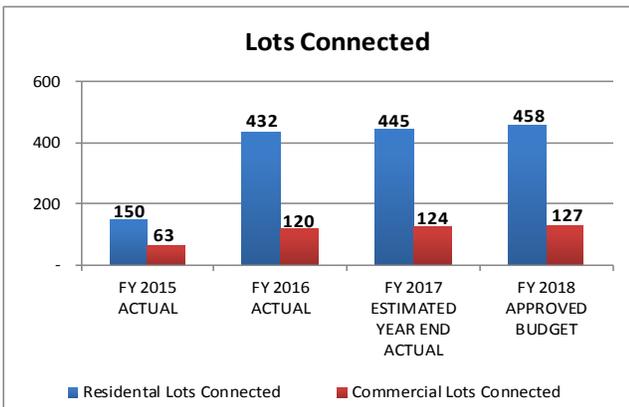
Department Function:

Responsible for the operation and construction of the electrical system in order to provide safe, timely, and reliable service. Also responsible for the transmission and distribution of electric power from the internal and external power sources to the customer.

Department Goals/Objectives:

Provide the best reliable and efficient power in the safest manner.

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
INPUT MEASURES				
BPUB Employees	31	28	28	28
Outside Staff	-	-	-	-
O&M Expenses	\$ 1,240,409	\$ 1,213,610	\$ 1,275,289	\$ 1,424,583
OUTPUT MEASURES				
Poles Installed	400	102	225	232
Transformer Set	111	59	98	101
Miles of Line Installed	11	13	7	-
Miles of Line Washed	-	44	5	-
Secondary Pedestals	60	295	150	155
Poles Transfers Completed	31	10	10	11
OUTCOME MEASURES				
Residential Lots Connected	150	432	445	458
Commercial Lots Connected	63	120	124	127
EFFICIENCY MEASURES				
Lots Connected by Crew	125	108	111	115



**DEPARTMENT 2130 - ELECTRIC TRANSMISSION AND DISTRIBUTION NEW
CONSTRUCTION**

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 38,022	\$ 38,350	\$ 88,879	\$ 90,002	\$ 92,498	\$ 92,706
6105 Administrative Staff	-	-	5,029	-	-	-
6110 Clerical staff	16,263	15,877	16,239	16,172	19,748	16,923
6115 Operational staff	533,567	571,978	421,186	560,901	481,170	570,188
6130 Overtime	41,678	38,971	43,579	30,894	39,101	30,894
6201 T.M.R.S.	89,655	90,665	98,219	118,006	114,300	121,483
6205 F.I.C.A.	36,965	39,007	34,766	41,359	38,109	42,149
6210 Medicare	8,645	9,122	8,131	9,673	8,913	9,857
6214 Dental Insurance	3,584	3,749	3,175	4,808	3,263	4,436
6215 Hospitalization insurance	108,570	113,864	101,821	149,966	107,450	143,281
6220 Life Insurance	779	878	710	733	769	749
6221 Long Term Disability Insurance	1,484	1,680	1,357	1,334	1,507	1,360
6225 Workers Compensation	17,131	18,046	15,265	16,677	16,478	16,995
6230 Vacation leave	1,886	1,862	(794)	7,670	10,239	8,226
6235 Sick leave	(811)	(12,615)	(7,369)	8,431	22,473	9,042
6240 Educational assistance	1,750	-	-	-	-	-
6260 Vacancy Savings	-	-	-	(48,272)	-	(51,006)
<i>O&M PERSONNEL TOTAL</i>	<i>899,167</i>	<i>931,434</i>	<i>830,191</i>	<i>1,008,352</i>	<i>956,019</i>	<i>1,017,283</i>
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	293	703	171	350	43	350
7110 Dues & memberships	274	447	1,202	1,500	772	1,500
7120 Office supplies	3,464	1,719	2,434	5,000	2,136	5,000
7130 Postage/shipping charges	1,396	263	710	1,500	374	1,500
7140 Training expenses	55	3,100	7,150	3,000	2,925	3,000
7145 Travel expenses	431	1,126	6,084	1,500	4,993	2,500
7180 Utilities - departmental	2,485	2,126	2,183	3,500	2,668	3,500
7201 Barricades & signs	215	-	94	3,200	-	3,200
7203 Sand, Caliche, Gravel, Concrete etc	-	1,096	830	1,500	1,868	3,500
7205 Lamps, globes & flares	2,453	4,866	3,834	7,000	3,285	7,000
7210 Landscaping/Trade a Tree Program	12	-	77	500	288	500
7215 Laundry & janitorial supplies	-	-	21	50	-	-
7225 Safety supplies	13,891	15,709	17,526	20,000	13,744	20,700
7299 Other materials & supplies	72,171	67,210	112,250	75,000	105,450	76,350
7310 Federal, state, & local fees	-	-	768	-	-	-
7315 Food, meals, ice, water	336	873	1,334	2,000	1,339	2,000
7325 Rental of equip/storage/land	16,743	19,330	5,544	30,000	4,957	30,000
7335 Wearing apparel & dry goods	20,752	36,306	41,146	35,000	45,035	35,000
7415 Fuels & lubricants	82,814	56,571	44,983	50,000	56,662	50,000
7501 Maint. of buildings & structures	-	-	833	1,000	-	800
7520 Maint. of minor equipment	-	-	8,641	13,000	-	13,000
7540 Maint. of line transformers	500	3,515	5,532	9,000	(16,140)	9,000
7550 Maint. of overhead lines	29,404	10,324	39,532	35,000	16,059	35,000
7555 Maint. of station equipment	-	-	26,723	30,000	-	30,000
7565 Maint. of street lighting & signals	2,703	5,030	2,685	6,000	7,012	6,000
7570 Maint. of underground lines	-	5,054	3,661	6,000	20,359	6,000
7599 Maintenance / other	311	193	-	-	1,623	2,000
7645 Maintenance services	-	-	926	700	1,350	700
7699 Other services	17,865	12,565	7,539	12,500	7,830	12,500
7801 Communication equipment	13,900	276	886	1,200	666	1,200
7805 Computer equipment	711	914	593	1,000	104	1,000
7820 Office furniture & equipment	2,423	1,661	2,695	2,500	-	2,500
7835 Tools, shop and garage equipment	9,863	42,583	6,802	18,000	5,102	18,000
7899 Other minor tools & equipment	21,313	15,414	28,029	25,000	28,766	24,000
<i>O&M NON-PERSONNEL TOTAL</i>	<i>316,779</i>	<i>308,975</i>	<i>383,419</i>	<i>401,500</i>	<i>319,270</i>	<i>407,300</i>
	\$ 1,215,946	\$ 1,240,409	\$ 1,213,610	\$ 1,409,852	\$ 1,275,289	\$ 1,424,583



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: Manuel G Arredondo
Title: Electric Operations Manager
Telephone Ext: 6323
Dept. No: 2140

**PERFORMANCE MEASURES
FOR THE
ELECTRIC TRANSMISSION AND DISTRIBUTION MAINTENANCE DEPARTMENT**

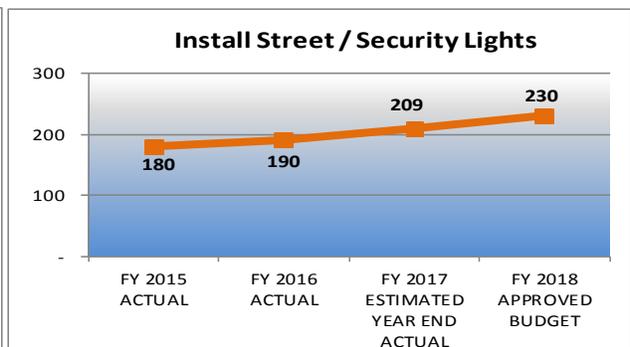
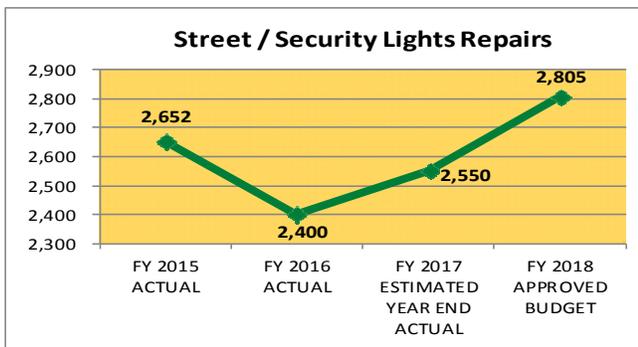
Department Function:

The Electric Transmission & Distribution (T&D) Maintenance Department is responsible for the operation, construction, and maintenance of the electrical system in order to provide safe, timely, and reliable service. The department is also responsible for the transmission and distribution of electric power from internal and external power sources to the customer.

Department Goals/Objectives:

Maintain Brownsville PUB's electric infrastructure in good condition to provide quality and reliable power to the customers.

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
INPUT MEASURES				
Staff	31	22	22	22
O&M Expenses	\$ 2,423,674	2,097,582	\$ 1,742,522	\$ 1,853,128
OUTPUT MEASURES				
Street / Security Lights Repairs	2,652	2,400	2,550	2,805
Electrical Inspections	5,000	2,000	2,200	2,420
Set / Replace Transformers	173	190	118	130
Set / Replace Poles	150	160	100	110
Locate / Repair URD Faults	160	140	110	121
WOs Completed	300	260	286	315
General Service Request Closed	4,480	4,500	4,950	5,445
EFFICIENCY MEASURES				
Install Street / Security Lights	180	190	209	230
New Connections	1,500	1,600	1,115	1,227
Average Power Restoration Time per Outage (hrs.)	1.65	1.5	2	2
Average time of Street Light Repair (Cal. Days)	3.0	3	3	4
Average time of Security Light Repair (Cal. Days)	3.0	3	3	4



**DEPARTMENT 2140 - ELECTRIC TRANSMISSION AND DISTRIBUTION
MAINTENANCE**

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 45,304	\$ 45,929	\$ 7,290	\$ -	\$ -	\$ -
6110 Clerical staff	18,150	15,428	16,298	-	-	-
6115 Operational staff	1,056,294	1,117,527	1,055,459	708,196	731,860	738,137
6130 Overtime	47,707	38,781	12,355	56,862	25,244	20,000
6201 T.M.R.S.	166,756	165,790	179,521	125,280	132,919	131,905
6205 F.I.C.A.	69,359	72,083	64,764	43,908	44,684	45,765
6210 Medicare	16,221	16,858	15,146	10,269	10,450	10,703
6214 Dental Insurance	6,789	6,887	6,057	5,080	3,997	4,688
6215 Hospitalization insurance	179,887	182,978	179,237	153,299	118,870	143,043
6220 Life Insurance	1,502	1,524	1,384	782	937	810
6221 Long Term Disability Insurance	2,833	2,880	2,607	1,416	1,798	1,476
6225 Workers Compensation	30,808	32,042	27,539	17,705	18,898	18,453
6230 Vacation leave	12,404	(6,125)	(23,334)	7,986	9,539	8,931
6235 Sick leave	16,619	12,166	(71,487)	8,778	3,406	9,817
6260 Vacancy Savings	-	-	-	(49,886)	-	(54,749)
<i>O&M PERSONNEL TOTAL</i>	<i>1,670,634</i>	<i>1,704,747</i>	<i>1,472,836</i>	<i>1,089,675</i>	<i>1,102,603</i>	<i>1,078,978</i>
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	339	-	500	-	500
7110 Dues & memberships	704	675	183	800	610	800
7115 Educational material	-	-	-	-	-	-
7120 Office supplies	2,448	2,032	2,570	2,000	1,605	2,000
7130 Postage/shipping charges	185	116	122	250	115	250
7135 Telephone expenses	-	-	-	200	70	200
7140 Training expenses	55	590	250	-	-	-
7145 Travel expenses	2,891	1,290	727	1,000	2,970	1,000
7203 Sand, Caliche, Gravel, Concrete etc	-	250	1,749	-	1,922	1,500
7205 Lamps, globes & flares	607	5,494	757	7,000	-	7,000
7210 Landscaping/Trade a Tree Program	517	-	-	-	30	-
7215 Laundry & janitorial supplies	-	110	-	-	-	-
7225 Safety supplies	2,948	8,880	6,517	2,500	8,402	7,000
7299 Other materials & supplies	119,406	179,986	69,410	103,000	58,295	80,000
7310 Federal, state, & local fees	2	-	1,408	-	-	-
7315 Food, meals, ice, water	576	389	595	600	291	700
7325 Rental of equip/storage/land	33,645	31,624	13,659	15,000	31,897	30,000
7335 Wearing apparel & dry goods	22,368	38,330	30,631	29,000	27,928	30,000
7415 Fuels & lubricants	83,292	60,129	40,385	50,000	40,688	50,000
7501 Maint. of buildings & structures	24	1,268	644	5,000	5,245	5,000
7505 Maint. of communication equipment	-	-	270	500	303	1,000
7520 Maint. of minor equipment	438	1,513	-	-	-	-
7535 Maint. of electric plant	-	-	-	-	130	-
7540 Maint. of line transformers	154,234	62,869	72,086	115,000	91,897	115,000
7550 Maint. of overhead lines	49,937	46,200	49,779	63,000	25,791	68,000
7565 Maint. of street lighting & signals	178,150	142,548	161,366	140,000	154,945	139,200
7570 Maint. of underground lines	45,620	19,613	65,821	75,000	69,139	75,000
7575 Maint. of water meters	245	-	-	-	-	-
7599 Maintenance / other	37,154	27,968	24,027	25,000	12,823	25,000
7630 Construction contractor services	19,483	-	275	-	80	-
7645 Maintenance services	-	389	-	-	-	-
7665 Street Patching Services	-	-	-	-	(1,750)	-
7699 Other services	2,233	6,485	7,006	10,000	6,274	11,500
7801 Communication equipment	3,076	-	-	-	29,607	35,000
7805 Computer equipment	-	-	815	5,000	587	3,500
7820 Office furniture & equipment	3,075	-	40	-	2,822	3,000
7835 Tools, shop and garage equipment	47,945	77,178	60,172	50,000	57,290	60,500
7899 Other minor tools & equipment	1,986	2,663	13,482	20,000	9,913	21,500
<i>O&M NON-PERSONNEL TOTAL</i>	<i>813,244</i>	<i>718,927</i>	<i>624,746</i>	<i>720,350</i>	<i>639,919</i>	<i>774,150</i>
	\$ 2,483,878	\$ 2,423,674	\$ 2,097,582	\$ 1,810,025	\$ 1,742,522	\$ 1,853,128



Department Responsibility: Robert Avila
Title: Energy System Operations Manager
Telephone Ext: 6319
Dept. No: 2150

**PERFORMANCE MEASURES
 FOR THE
 ENERGY CONTROL CENTER OPERATIONS DEPARTMENT**

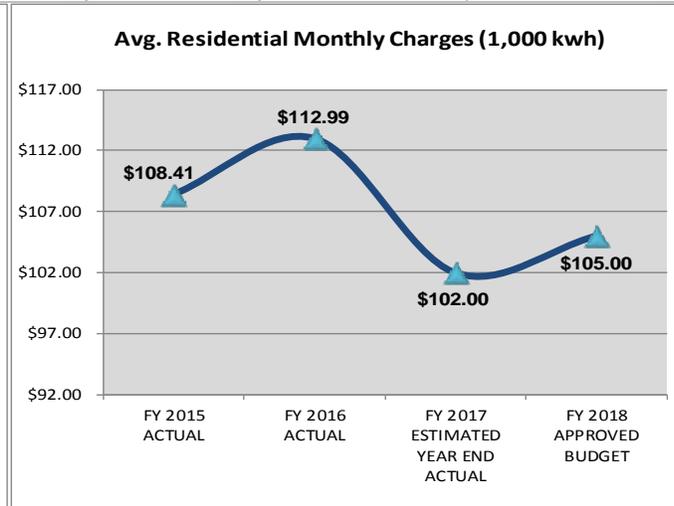
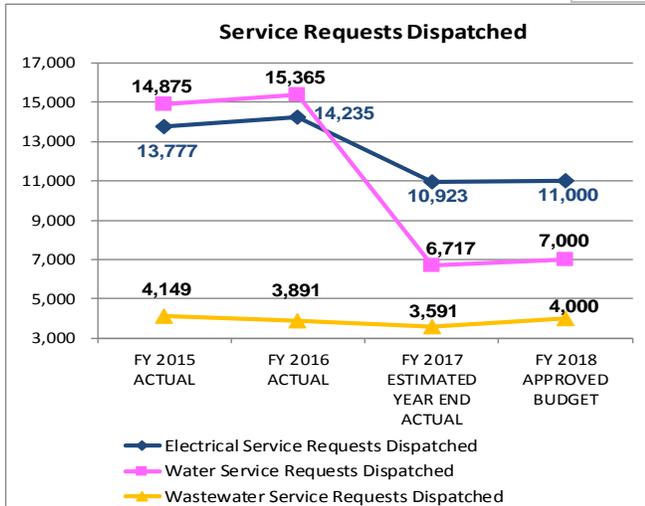
Department Function:

Energy Control Center Operations is responsible for several functions at Brownsville PUB. 1. The safe and reliable operation of Brownsville PUB's bulk electric system in compliance with NERC Compliance Standards, ERCOT Guides and Protocols. 2. Provide coordination between ERCOT or other utilities, and Brownsville PUB during emergency situations as well as normal operations. 3. Purchase fuel and arrange for the transportation of fuel to Silas Ray power plant. 4. Economically dispatch generation to meet Brownsville PUB load requirements. 5. Coordinate transmission outages within Brownsville PUB as well as with neighboring utilities and ERCOT. 6. Take customer calls and respond by filling out service requests in Cityworks and dispatching said requests to the Electric, Water and Wastewater departments as needed. 7. Keep management informed of situations and outages affecting Brownsville PUB systems 24 hours a day, seven days a week. 8. Perform duties of the Customer Service Department after normal business hours.

Department Goals/Objectives:

Perform all of the above in a safe, reliable, and efficient manner while providing excellent customer service.

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
INPUT MEASURES				
Employees	14	15	15	15
O&M Expenses	\$ 1,323,880	\$ 1,375,352	\$ 1,562,551	\$ 1,446,475
OUTPUT MEASURES				
Operational Reports (daily)	16	16	16	16
Electrical Service Requests Dispatched	13,777	14,235	10,923	11,000
Water Service Requests Dispatched	14,875	15,365	6,717	7,000
Wastewater Service Requests Dispatched	4,149	3,891	3,591	4,000
SCADA Service Requests Dispatched	108	127	116	115
OUTCOME MEASURES				
Fatalities or Injuries as a Result of Switching	None	None	None	None
All Certified Operators Maintain NERC Certification	Yes	Yes	Yes	Yes
EFFICIENCY MEASURES				
Avg. Residential Monthly Charges (1,000 kwh)	\$ 108.41	\$ 112.99	\$ 102.00	\$ 105.00
Load Forecast Within 10% of Actual for 90% of the Year	Yes	Yes	Yes	Yes



DEPARTMENT 2150 - ENERGY CONTROL CENTER OPERATIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 100,540	\$ 105,063	\$ 102,321	\$ 101,899	\$ 104,722	\$ 104,957
6105 Administrative Staff	-	6,014	-	-	-	-
6110 Clerical staff	36,140	35,922	59,804	60,070	64,151	64,305
6115 Operational staff	660,731	738,375	718,533	721,115	772,982	751,964
6130 Overtime	37,421	38,105	42,391	66,519	85,075	66,519
6201 T.M.R.S.	119,010	125,632	155,365	156,218	181,367	164,623
6205 F.I.C.A.	49,786	55,261	55,913	54,751	60,869	57,116
6210 Medicare	11,644	12,924	13,077	12,805	14,236	13,358
6214 Dental Insurance	3,622	3,687	3,721	4,536	4,067	4,185
6215 Hospitalization insurance	101,881	104,329	115,865	148,704	136,956	141,962
6220 Life Insurance	1,039	1,129	1,154	924	1,209	959
6221 Long Term Disability Insurance	2,035	2,230	2,276	1,766	2,415	1,843
6225 Workers Compensation	20,871	23,087	23,445	22,077	25,627	23,031
6230 Vacation leave	15,732	507	(4,973)	10,801	11,261	11,147
6235 Sick leave	61,639	17,527	6,533	11,872	22,254	12,252
6260 Vacancy Savings	-	-	-	(64,262)	-	(66,415)
<i>O&M PERSONNEL TOTAL</i>	<u>1,222,091</u>	<u>1,269,794</u>	<u>1,295,424</u>	<u>1,309,797</u>	<u>1,487,189</u>	<u>1,351,804</u>
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	500	110	500
7110 Dues & memberships	940	640	1,940	3,550	3,415	2,800
7120 Office supplies	1,368	1,301	1,850	2,000	1,399	2,000
7130 Postage/shipping charges	68	76	-	200	-	200
7140 Training expenses	16,448	10,950	25,431	25,000	23,440	25,000
7145 Travel expenses	20,269	19,905	21,530	30,000	24,904	33,037
7180 Utilities - departmental	11,892	13,948	11,323	13,000	12,140	13,000
7215 Laundry & janitorial supplies	82	-	-	-	-	-
7299 Other materials & supplies	320	21	578	500	365	600
7315 Food, meals, ice, water	594	379	972	1,500	628	1,500
7325 Rental of equip/storage/land	5,178	5,495	4,839	6,200	5,358	6,200
7335 Wearing apparel & dry goods	-	185	-	-	-	-
7415 Fuels & lubricants	-	-	-	500	-	500
7501 Maint. of buildings & structures	-	382	533	1,500	118	1,500
7505 Maint. of communication equipment	-	-	472	850	-	850
7645 Maintenance services	-	325	-	1,250	-	1,250
7699 Other services	-	-	5,635	-	-	-
7805 Computer equipment	655	-	646	18,900	424	450
7806 Software licenses-new	-	-	32	550	-	800
7820 Office furniture & equipment	-	-	3,208	2,310	2,087	2,484
7899 Other minor tools & equipment	114	480	939	2,000	975	2,000
<i>O&M NON-PERSONNEL TOTAL</i>	<u>57,927</u>	<u>54,086</u>	<u>79,928</u>	<u>110,310</u>	<u>75,362</u>	<u>94,671</u>
	\$ 1,280,018	\$ 1,323,880	\$ 1,375,352	\$ 1,420,107	\$ 1,562,551	\$ 1,446,475



**B R O W N S V I L L E
P U B L I C U T I L I T I E S B O A R D**



Department Responsibility: Elias Quintero Jr.
Title: SCADA & Electrical Support Services Mgr.
Telephone Ext: 6325
Dept. No: 2210

**PERFORMANCE MEASURES
FOR THE
SCADA & ELECTRICAL SUPPORT SERVICES DEPARTMENT**

Department Function:

SCADA & Electrical Support Services Department is responsible for planning, organizing, installing, implementing, preventive and corrective maintenance, and repair of all equipment associated with the Water/Wastewater/Lift Station Supervisory Control and Data Acquisition (SCADA) systems and the Electric SCADA systems. This includes all electrical motors, emergency generators, motor control centers and switchgear; electrical, pneumatic and hydraulic controls and instrumentation; communication devices, telemetry, fiber optic systems, Remote Terminal Units, cyber security appliances, routers, network switches, computer servers and workstations, and computer network monitoring tools. This equipment is located in different parts of our utility including the Energy Control Center, Backup Control Center, Water Plants, Wastewater Plants, Lift Stations, water distribution pressure points, water elevated storage tanks, SRWA water wells, and river pumps. The Department is also involved in meeting the compliance requirements for the Texas Commission on Environmental Quality (TCEQ), Environmental Protection Agency (EPA), and North American Electric Reliability Corporation.

Department Goals/Objectives:

The objective of the department is to ensure the reliable operation of the Electrical SCADA system and the Water/Wastewater/Lift Station SCADA system.

INPUT MEASURES

Employees
 O&M Personnel Expense
 O&M Non-Personnel Expense
 Instrumentation Locations of the Electric SCADA System
 Miles of Fiber Maintained
 Instrumentation Locations of the W/WW SCADA System
 Instrumentation Locations of the Lift Stations

OUTPUT MEASURES

Number of Service Requests For Electric SCADA System
 Number of Service Requests For W/WW SCADA System
 Number of Service Requests For Electrical Lift Stations
 Back-Up Generator Maintenance
 Invoices/Transactions Processed & Contracts Maintained

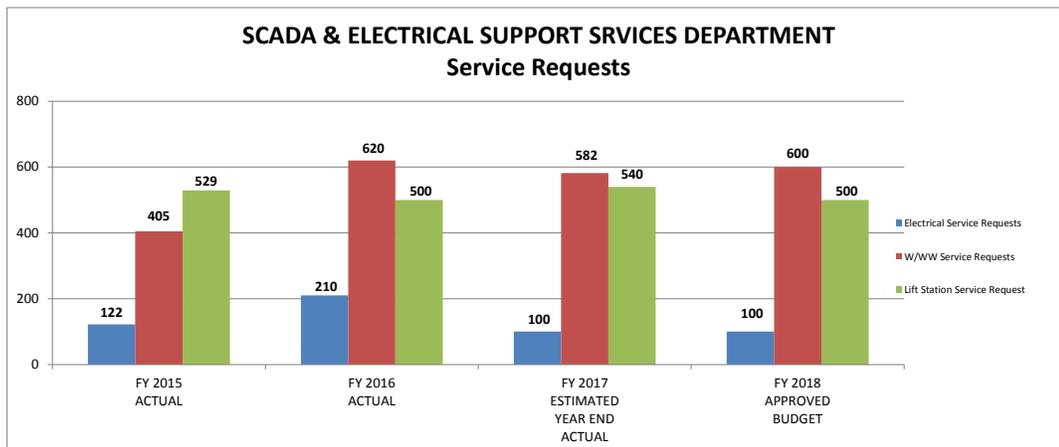
OUTCOME MEASURES

Number of Service Requests For Electric SCADA System Completed
 Number of Service Requests For W/WW SCADA System Completed
 Number of Service Requests For Electric Lift Stations Completed

EFFICIENCY MEASURES

% Number of Service Requests For Electric SCADA System
 % Number of Service Requests For W/WW SCADA System
 % Number of Service Requests For Electric Lift Stations

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
Employees	17	19	19	22
O&M Personnel Expense	\$ 1,092,748	\$ 1,159,160	\$ 1,349,153	\$ 1,605,753
O&M Non-Personnel Expense	\$ 849,237	\$ 872,207	\$ 828,069	\$ 1,146,095
Instrumentation Locations of the Electric SCADA System	16	45	45	45
Miles of Fiber Maintained	-	90	100	100
Instrumentation Locations of the W/WW SCADA System	75	78	78	78
Instrumentation Locations of the Lift Stations	180	185	185	185
OUTPUT MEASURES				
Number of Service Requests For Electric SCADA System	122	210	100	100
Number of Service Requests For W/WW SCADA System	405	620	582	600
Number of Service Requests For Electrical Lift Stations	529	500	540	500
Back-Up Generator Maintenance	31	32	32	32
Invoices/Transactions Processed & Contracts Maintained	318	300	300	300
OUTCOME MEASURES				
Number of Service Requests For Electric SCADA System Completed	122	174	93	100
Number of Service Requests For W/WW SCADA System Completed	405	588	536	600
Number of Service Requests For Electric Lift Stations Completed	529	457	518	500
EFFICIENCY MEASURES				
% Number of Service Requests For Electric SCADA System	100%	83%	93%	100%
% Number of Service Requests For W/WW SCADA System	100%	95%	92%	100%
% Number of Service Requests For Electric Lift Stations	100%	91%	96%	100%



DEPARTMENT 2210 – SCADA & ELECTRICAL SUPPORT SERVICES

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 441,821	\$ 230,933	\$ 145,741	\$ 245,636	\$ 159,753	\$ 277,618
6105 Administrative Staff	137,892	46,311	85,193	107,099	161,759	205,946
6110 Clerical staff	36,438	31,709	31,575	31,533	33,320	32,469
6115 Operational staff	515,647	507,198	522,080	568,630	534,216	609,877
6130 Overtime	11,763	14,109	12,697	14,129	21,436	20,000
6201 T.M.R.S.	163,451	113,143	132,693	172,511	164,052	201,200
6205 F.I.C.A.	67,377	49,382	47,144	60,462	54,758	69,806
6206 Suta	2,190	730	-	-	(714)	-
6210 Medicare	16,085	11,549	11,026	14,140	12,806	16,326
6214 Dental Insurance	5,422	4,150	4,082	5,745	4,518	6,138
6215 Hospitalization insurance	157,646	119,088	133,824	186,607	149,292	186,060
6220 Life Insurance	1,510	1,120	1,056	1,030	1,156	2,912
6221 Long Term Disability Insurance	2,950	2,170	2,037	1,950	2,275	2,612
6225 Workers Compensation	28,872	20,762	19,995	24,380	23,179	28,148
6230 Vacation leave	(20,562)	(11,198)	(980)	11,586	4,593	13,623
6235 Sick leave	(54,295)	(48,408)	10,997	12,735	22,753	14,975
6242 Auto Benefits	4,615	-	-	-	-	-
6243 Telephone Benefits	1,034	-	-	-	-	-
6260 Vacancy Savings	-	-	-	(70,619)	-	(81,956)
<i>O&M PERSONNEL TOTAL</i>	<i>1,519,857</i>	<i>1,092,748</i>	<i>1,159,160</i>	<i>1,387,554</i>	<i>1,349,153</i>	<i>1,605,753</i>
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	3,952	638	-	500	-	-
7110 Dues & memberships	4,585	1,112	1,297	1,800	1,296	1,300
7120 Office supplies	4,334	2,792	3,149	3,000	2,401	4,500
7130 Postage/shipping charges	951	450	954	500	881	500
7140 Training expenses	1,695	175	4,104	13,900	10,345	9,795
7145 Travel expenses	22,686	1,643	9,617	11,100	11,624	11,700
7180 Utilities - departmental	1,602	2,371	1,838	2,000	2,072	2,500
7190 Utilities - CP&L & Mvec	-	19	-	-	-	-
7225 Safety supplies	526	2,276	2,131	1,500	2,495	5,000
7299 Other materials & supplies	267,293	281,895	251,780	201,000	229,102	250,000
7304 Hurricane Preparedness Expenses	80,827	206,200	198,082	200,000	163,269	200,000
7305 ERCOT expenses	1,567,229	100,055	144,943	110,000	121,476	190,000
7310 Federal, state, & local fees	-	-	70	200	332	500
7315 Food, meals, ice, water	529	1,029	952	1,200	1,497	1,500
7325 Rental of equip/storage/land	-	-	406	500	262	800
7335 Wearing apparel & dry goods	10,673	12,318	11,225	10,000	12,407	15,000
7415 Fuels & lubricants	24,494	17,601	14,706	15,000	18,794	18,000
7501 Maint. of buildings & structures	840	1,211	16,969	15,000	14,645	10,000
7505 Maint. of communication equipment	890	3,530	2,436	56,000	26,282	56,000
7601 Legal Fees	62,317	-	-	-	-	-
7635 Software maintenance service fees	48,651	32,297	39,669	40,000	49,635	60,000
7645 Maintenance services	108,302	108,771	126,926	128,000	118,473	205,000
7701 Fuel - Natural gas - Silas Ray	3,822,520	-	-	-	-	-
7702 Fuel - Natural Gas - Hidalgo Energy	13,091,950	-	-	-	-	-
7704 Fuel - TETCO/Hinshaw Pipeline	629,567	-	-	-	-	-
7705 Fuel - Coal - Oklaunion	9,906,208	-	-	-	-	-
7706 Fuel-Diesel-Distributed Generation	3,531	-	-	-	-	-
7707 Fuel - Diesel oil - Oklaunion	241,855	-	-	-	-	-
7720 Pchp - Resource Imbalance	(1,639,172)	-	-	-	-	-
7721 Pchp - Economy power	21,743,977	-	-	-	-	-
7726 Pchp - Bilateral Energy Expns-Gas	656,513	-	-	-	-	-
7729 Pchp - TCOS (Wheeling)	6,358,881	-	-	-	-	-
7733 Pchp - Bilateral Ancillary Services	1,776,100	-	-	-	-	-
7736 Pchp - QSE Charges	329,534	-	-	-	-	-
7737 Pchp - Ercot Charges	(966,043)	-	-	-	-	-
7738 Pchp - CSC Congestion Cost (CSCBE)	1,406,807	-	-	-	-	-

DEPARTMENT 2210 - FUEL AND ENERGY/SCADA – continued

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
7740 Power marketing services	237,536	-	-	-	-	-
7801 Communication equipment	4,703	3,442	11,711	15,000	6,525	20,000
7805 Computer equipment	3,999	910	14,002	15,000	20,735	30,000
7806 Software licenses-new	5,178	58,282	4,401	8,000	2,608	35,000
7820 Office furniture & equipment	640	2,528	1,876	2,100	2,607	8,500
7899 Other minor tools & equipment	7,257	7,695	8,962	6,500	8,306	10,500
<i>O&M NON-PERSONNEL TOTAL</i>	59,833,915	849,237	872,207	857,800	828,069	1,146,095
	\$ 61,353,772	\$ 1,941,985	\$ 2,031,367	\$ 2,245,354	\$ 2,177,222	\$ 2,751,848

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**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: **Rolando Lozano**

Title: **Power Plant Manager**

Telephone Ext: **6404**

Dept. No: **2220**

**PERFORMANCE MEASURES
FOR THE
POWER PRODUCTION DEPARTMENT**

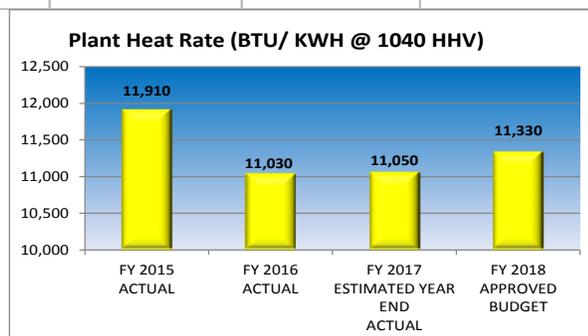
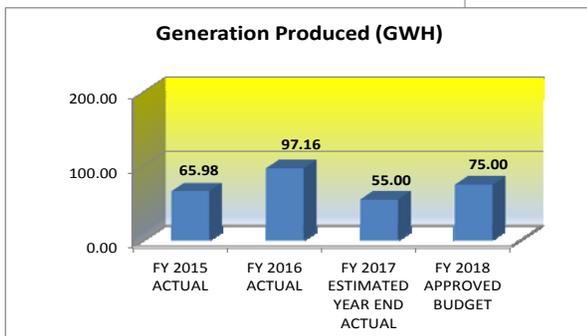
Department Function:

This department is responsible for the operation of the Brownsville PUB wholly owned Silas Ray Power Station as well as 10 remote distributive generation units located throughout the City of Brownsville. In addition, the department administers and tracks the operation and maintenance cost of two co-owned generating facilities: the coal-fired Oklaunion Power Station and the combined cycle Hidalgo Energy Center. In total this department oversees the production aspect of approximately 350 megawatts in generating capacity.

Department Goals/Objectives:

Department goals are to improve demand and availability for production through improved performance and efficiency.

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
INPUT MEASURES				
Employees (FTE's)	28	27	27	27
Overtime (Hours)	4020	4526	3394	3707
Personnel O&M	\$ 2,105,266	\$ 2,104,125	\$ 2,222,859	\$ 2,143,319
Non-Personnel O&M (Expenses) - All Plants	\$ 11,301,135	\$ 9,447,504	\$ 10,146,835	\$ 11,665,187
OUTPUT MEASURES				
Generation Produced (GWH)	65.98	97.16	55.00	75.00
Availability (%)	81%	77%	84%	81%
OUTCOME MEASURES - Silas Ray				
Revenue, Gross (\$Base: Gen @ \$0.10/kwh)	\$ 6,598,000	\$ 9,716,000	\$ 5,500,000	\$ 7,500,000
Other Revenue (\$ for Contract Services)	\$ 534,360	\$ 534,360	\$ 543,120	\$ 543,120
EFFICIENCY MEASURES				
Plant Heat Rate (BTU/ KWH @ 1040 HHV)	11,910	11,030	11,050	11,330
Reliability (%)	94.60%	98.36%	98.09%	97.02%



DEPARTMENT 2220 - POWER PRODUCTION

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 234,948	\$ 235,819	\$ 182,186	\$ 234,915	\$ 244,332	\$ 251,867
6105 Administrative Staff	82,471	113,217	188,949	133,994	137,967	138,409
6110 Clerical staff	25,050	25,300	10,550	23,109	25,041	25,791
6115 Operational staff	910,559	988,090	1,001,275	977,267	991,604	1,016,040
6130 Overtime	128,824	134,356	74,585	91,390	123,587	110,000
6201 T.M.R.S.	197,310	204,849	242,318	242,227	268,892	255,918
6205 F.I.C.A.	81,737	89,046	86,289	84,896	89,483	88,791
6206 Suta	-	-	5,472	-	2,206	-
6210 Medicare	19,116	20,825	20,180	19,855	20,928	20,766
6214 Dental Insurance	6,704	7,197	6,962	8,164	7,061	7,533
6215 Hospitalization insurance	202,058	217,084	230,180	277,701	242,503	256,341
6220 Life Insurance	1,680	1,853	1,851	1,466	1,857	1,852
6221 Long Term Disability Insurance	3,231	3,441	3,428	2,628	3,614	2,934
6225 Workers Compensation	34,587	37,637	36,542	34,232	38,206	35,803
6230 Vacation leave	5,844	11,828	2,405	16,544	11,515	17,329
6235 Sick leave	23,172	14,724	10,954	18,185	14,063	19,047
6260 Vacancy Savings	-	-	-	(101,586)	-	(105,102)
<i>O&M PERSONNEL TOTAL</i>	1,957,292	2,105,266	2,104,125	2,064,986	2,222,859	2,143,319
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	823	401	1,252	2,368	464	2,368
7110 Dues & memberships	600	945	602	1,425	195	1,425
7120 Office supplies	3,170	6,512	2,211	5,000	2,428	2,500
7130 Postage/shipping charges	2,642	14,415	6,326	10,000	6,834	10,000
7140 Training expenses	6,765	9,470	6,305	8,000	12,863	-
7145 Travel expenses	19,232	18,067	17,215	18,000	20,501	18,824
7147 Mileage Reimbursement (InTownExp)	-	-	-	300	-	300
7180 Utilities - departmental	220,345	176,615	208,473	220,000	226,392	220,000
7215 Laundry & janitorial supplies	3,143	4,038	1,689	2,885	3,565	2,885
7225 Safety supplies	1,936	1,972	2,421	2,283	4,377	2,500
7293 Chemicals - other	78,193	39,706	115,578	95,000	65,575	95,000
7299 Other materials & supplies	17,199	19,001	9,964	20,000	9,466	10,000
7310 Federal, state, & local fees	70	140	-	500	-	500
7315 Food, meals, ice, water	1,001	1,254	906	1,500	968	1,000
7325 Rental of equip/storage/land	3,677	9,662	5,312	10,000	3,591	10,000
7335 Wearing apparel & dry goods	15,675	25,107	28,817	25,000	33,258	25,000
7415 Fuels & lubricants	3,786	3,367	2,286	3,400	4,718	3,400
7501 Maint. of buildings & structures	27,642	9,343	25,274	25,000	13,650	38,400
7505 Maint. of communication equipment	140	-	980	7,000	1,592	6,000
7515 Maint. of major equipment	1,171,376	941,891	299,558	1,790,100	315,890	1,705,900
7520 Maint. of minor equipment	57,093	28,080	40,990	35,000	67,849	27,360
7525 Maint. of boiler plant	90,201	140,150	305,113	250,000	165,941	137,000
7605 Engineering fees	29,547	8,297	10,200	20,000	20,504	45,000
7635 Software maintenance service fees	-	-	-	-	-	9,040
7645 Maintenance services	6,074	20,706	86,107	100,000	103,541	227,500
7699 Other services	12,717	4,064	11,668	15,000	26,612	19,200
7703 Fuel - Diesel oil - Silas Ray	3,926	790	1,269	-	-	-
7731 Pchp - Fixed expenses - Oklaunion	6,579,426	6,943,411	5,098,846	6,349,847	5,197,584	5,797,673
7732 Pchp - Hidalgo Fixed Operation Fee	3,415,151	2,850,313	3,148,987	2,977,329	3,822,284	3,244,412
7805 Computer equipment	-	43	-	-	-	-
7806 Software licenses-new	5,592	14,881	623	6,000	8,436	-
7820 Office furniture & equipment	235	854	3,987	7,000	98	-
7899 Other minor tools & equipment	571	7,640	4,543	10,000	7,660	2,000
<i>O&M NON-PERSONNEL TOTAL</i>	11,777,947	11,301,135	9,447,504	12,017,937	10,146,835	11,665,187
	\$ 13,735,239	\$ 13,406,401	\$ 11,551,629	\$ 14,082,923	\$ 12,369,694	\$ 13,808,506



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility:	Eliazar Perez
Title:	Engineering Manager
Telephone Ext:	6258
Dept. No:	2310

**PERFORMANCE MEASURES
FOR THE
ELECTRIC METER SHOP DEPARTMENT**

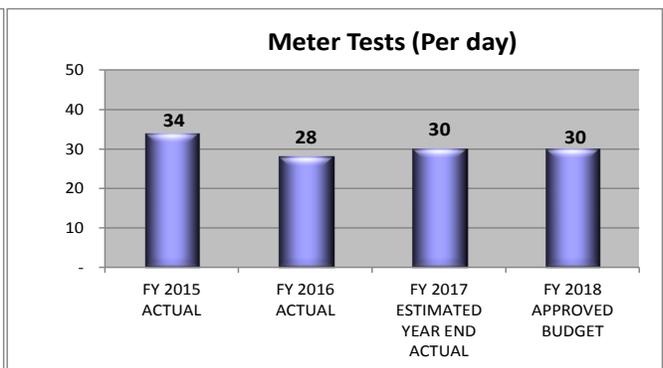
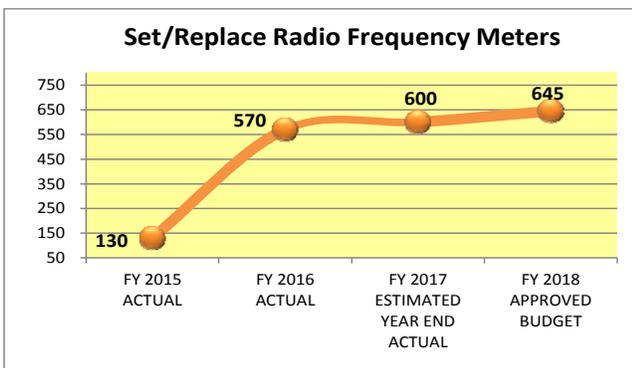
Department Function:

The Electric Meter Shop Department is responsible for the installation, maintenance, and repair of electric meters. The department investigates high and low voltage complaints by installing voltage and current measuring devices. They test, repair, and maintain electric meters and current potential transformers. The Electric Meter Shop also checks on reported electric meter tampering cases, makes service connections and disconnections, and performs other related work as required.

Department Goals/Objectives:

The Electric Meter Shop objectives are to assure that BPUB's metering systems are kept up to accuracy standards, maintain meter testing programs and timely complete meter-related service orders.

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
INPUT MEASURES				
Staff	8	8	8	8
ERCOT TDSP Meters	8	8	8	6
O&M Expenses	\$ 583,928	\$ 604,616	\$ 638,295	\$ 667,461
OUTPUT MEASURES				
Install/ Maintain CT Rated Demand Meters	80	310	330	350
Meter Investigation	3,500	1,630	1,710	1,867
Set/Replace Radio Frequency Meters	130	570	600	645
Total Meter Tests	7,400	6,600	6,930	7,277
Total Service Orders Resolved	6,700	5,280	5,540	7,560
OUTCOME MEASURES				
Comply With ERCOT	Yes	Yes	Yes	Yes
EFFICIENCY MEASURES				
Meter Tests (Per day)	34	28	30	30
Service Orders Closed (Per day)	32	22	24	32



DEPARTMENT 2310 - ELECTRIC METER SHOP

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ -	\$ 17	\$ -	\$ -	\$ -	\$ -
6105 Administrative Staff	-	36,893	47,466	51,022	52,782	53,080
6115 Operational staff	267,712	263,711	220,394	261,997	228,886	267,488
6130 Overtime	7,470	7,176	4,575	12,306	11,911	10,000
6201 T.M.R.S.	39,217	44,916	45,895	55,373	51,552	57,285
6205 F.I.C.A.	15,884	19,418	16,329	19,407	17,144	19,875
6210 Medicare	3,715	4,541	3,819	4,539	4,010	4,648
6214 Dental Insurance	1,825	1,953	1,634	2,419	1,756	2,232
6215 Hospitalization insurance	58,200	58,364	52,771	74,129	57,165	68,428
6220 Life Insurance	372	409	357	344	377	358
6221 Long Term Disability Insurance	598	668	574	553	617	558
6225 Workers Compensation	6,880	8,263	6,943	7,825	7,286	8,014
6230 Vacation leave	1,235	4,066	1,309	3,788	3,542	3,879
6235 Sick leave	5,626	(3,261)	10,433	4,163	8,462	4,264
6260 Vacancy Savings	-	-	-	(23,807)	-	(24,098)
<i>O&M PERSONNEL TOTAL</i>	408,734	447,135	412,499	474,060	445,489	476,011
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	522	337	500	1,101	500
7110 Dues & memberships	-	-	-	-	122	200
7120 Office supplies	1,461	2,252	884	1,000	850	1,200
7130 Postage/shipping charges	1,391	513	301	800	860	800
7135 Telephone expenses	-	-	238	300	-	500
7140 Training expenses	295	307	815	1,500	1,350	650
7145 Travel expenses	102	829	3,279	4,000	8,256	6,500
7225 Safety supplies	435	-	134	500	662	1,000
7299 Other materials & supplies	30,992	22,249	34,962	25,750	24,055	27,000
7310 Federal, state, & local fees	-	128	-	-	-	-
7315 Food, meals, ice, water	299	94	86	200	211	600
7320 Official functions	-	20	-	-	-	-
7325 Rental of equip/storage/land	2,771	3,629	2,729	800	1,346	2,500
7335 Wearing apparel & dry goods	4,143	6,872	6,576	6,000	7,089	6,000
7415 Fuels & lubricants	13,525	9,064	7,101	6,000	7,952	7,000
7501 Maint. of buildings & structures	-	-	-	1,000	1,200	2,000
7505 Maint. of communication equipment	-	1,364	-	500	-	500
7530 Maint. of electric meters	84,934	73,161	106,787	100,000	127,910	120,000
7599 Maintenance / other	964	205	350	2,000	1,955	2,000
7699 Other services	1,831	8,651	1,118	500	2,083	2,000
7801 Communication equipment	-	-	112	-	-	-
7805 Computer equipment	-	-	496	300	605	3,000
7806 Software licenses-new	-	-	4,223	400	1,040	700
7820 Office furniture & equipment	-	-	716	2,400	1,520	2,500
7835 Tools, shop and garage equipment	106	1,137	11,829	600	854	800
7899 Other minor tools & equipment	7,215	5,795	9,043	4,500	1,785	3,500
<i>O&M NON-PERSONNEL TOTAL</i>	150,465	136,793	192,117	159,550	192,806	191,450
	\$ 559,199	\$ 583,928	\$ 604,616	\$ 633,610	\$ 638,295	\$ 667,461



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: Eliazar Perez
Title: Engineering Manager
Telephone Ext: 6258
Dept. No: 2410

**PERFORMANCE MEASURES
FOR THE
ELECTRIC ENGINEERING DEPARTMENT**

Department Function:

To provide engineering, planning, and design for new and existing customers.

Department Goals/Objectives:

Will meet or exceed industry standard for design and maintenance of Electrical System.

INPUT MEASURES

BPUB Staff Personnel Expense
Non-Personnel O&M Expense

OUTPUT MEASURES

Number of Customers (based on Work Orders)
Number of Street Lights
Number of Trees Trimmed
Number of Trouble Calls Completed
AEP - Magic Valley Conversions

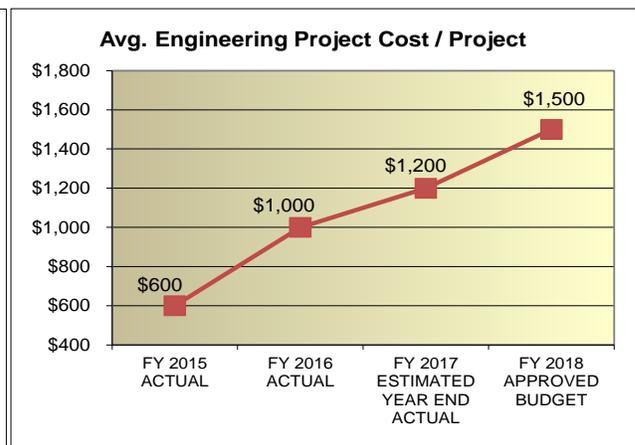
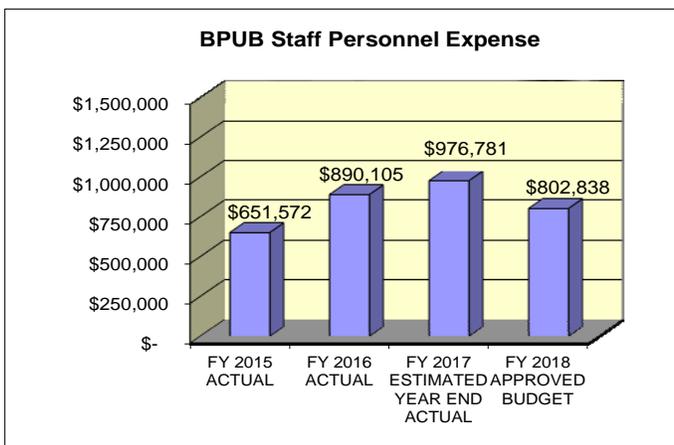
OUTCOME MEASURES

Residential Lots Designed
Commercial Lots Designed
Substations Designed
New Feeders Designed
Services Designed in Multi-Certified Areas

EFFICIENCY MEASURES

Customers per Employee (year)
Work Order Accuracy
System Losses (MWH Purchased- MWH Sold)
Avg. Engineering Project Cost / Project

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
BPUB Staff Personnel Expense	\$ 651,572	\$ 890,105	\$ 976,781	\$ 802,838
Non-Personnel O&M Expense	\$ 977,179	\$ 1,067,001	\$ 1,090,103	\$ 1,713,667
Number of Customers (based on Work Orders)	315	315	325	330
Number of Street Lights	135	160	160	130
Number of Trees Trimmed	14,000	8,600	9,200	9,300
Number of Trouble Calls Completed	1,400	1,900	1,900	2,000
AEP - Magic Valley Conversions	5	5	3	4
Residential Lots Designed	350	400	500	510
Commercial Lots Designed	150	130	140	143
Substations Designed	2	2	1	1
New Feeders Designed	3	3	2	2
Services Designed in Multi-Certified Areas	250	250	250	250
Customers per Employee (year)	28.00	30.00	30.00	28.00
Work Order Accuracy	85%	85%	90%	95%
System Losses (MWH Purchased- MWH Sold)	6.50%	5.50%	6.00%	6.00%
Avg. Engineering Project Cost / Project	\$ 600	\$ 1,000	\$ 1,200	\$ 1,500



DEPARTMENT 2410 - ELECTRIC ENGINEERING

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 2,430	\$ -	\$ 68,998	\$ 78,062	\$ 83,315	\$ 80,402
6105 Administrative Staff	365,660	388,292	478,872	443,472	524,024	449,747
6110 Clerical staff	90,265	61,183	61,994	44,510	54,204	46,458
6115 Operational staff	-	43	-	-	-	-
6130 Overtime	944	189	428	313	592	269
6201 T.M.R.S.	73,230	62,620	101,854	100,133	116,677	95,645
6205 F.I.C.A.	31,217	28,038	37,187	35,095	39,793	33,184
6210 Medicare	7,301	6,557	8,697	8,208	9,306	7,761
6214 Dental Insurance	2,704	2,536	3,125	3,160	3,292	3,306
6215 Hospitalization insurance	68,612	61,905	82,170	82,766	96,252	97,866
6220 Life Insurance	623	624	825	591	878	572
6221 Long Term Disability Insurance	1,203	1,198	1,594	1,132	1,734	1,070
6225 Workers Compensation	13,840	11,965	16,590	14,151	16,484	13,381
6230 Vacation leave	4,344	8,694	11,793	6,566	10,868	6,977
6235 Sick leave	5,959	17,727	15,978	7,217	19,362	7,669
6260 Vacancy Savings	-	-	-	(38,944)	-	(41,470)
<i>O&M PERSONNEL TOTAL</i>	668,333	651,572	890,105	786,432	976,781	802,838
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	133	881	2,297	1,500	1,762	1,500
7110 Dues & memberships	1,056	1,143	813	1,000	1,417	1,500
7120 Office supplies	8,169	4,781	6,777	5,500	6,867	6,000
7125 Photo equipment/supplies	455	-	-	150	108	150
7130 Postage/shipping charges	579	617	1,038	750	727	750
7140 Training expenses	3,929	2,638	6,391	3,515	700	4,780
7145 Travel expenses	799	2,824	7,339	3,956	8,258	6,950
7203 Sand, Caliche, Gravel, Concrete etc	-	-	-	500	-	500
7210 Landscaping/Trade a Tree Program	-	-	430	500	130	750
7225 Safety supplies	593	664	607	600	383	600
7299 Other materials & supplies	1,617	261	584	650	1,280	1,550
7305 ERCOT expenses	-	-	-	-	-	-
7315 Food, meals, ice, water	586	784	909	800	683	1,200
7325 Rental of equip/storage/land	1,857	1,590	1,866	1,000	1,609	1,200
7330 Right of way fees	37,657	300	-	-	-	-
7335 Wearing apparel & dry goods	495	539	961	1,100	1,013	1,100
7415 Fuels & lubricants	4,113	1,923	2,686	2,500	3,386	2,700
7505 Maint. of communication equipment	-	-	-	400	-	400
7550 Maint. of overhead lines	8,000	-	-	-	-	-
7565 Maint. of street lighting & signals	37,456	76,008	8,074	56,684	3,120	100,000
7570 Maint. of underground lines	67,012	188,820	293,909	182,000	203,125	170,000
7599 Maintenance / other	-	-	-	500	-	500
7601 Legal Fees	169,245	52,362	10,251	56,000	2,500	56,000
7605 Engineering fees	-	28,548	24,135	585,000	276,528	504,200
7630 Construction contractor services	12,970	28,013	34,251	61,552	51,190	63,000
7635 Software maintenance service fees	16,403	18,656	20,735	15,500	4,250	45,000
7699 Other services	551,883	557,747	634,853	701,878	511,723	728,640
7805 Computer equipment	60	-	138	1,000	3,650	5,500
7806 Software licenses-new	-	7,092	6,473	6,040	3,450	6,367
7820 Office furniture & equipment	2,136	509	1,223	1,800	1,898	2,000
7835 Tools, shop and garage equipment	67	35	22	75	-	80
7899 Other minor tools & equipment	1,128	445	238	750	347	750
<i>O&M NON-PERSONNEL TOTAL</i>	928,398	977,179	1,067,001	1,693,200	1,090,103	1,713,667
	\$ 1,596,731	\$ 1,628,751	\$ 1,957,106	\$ 2,479,632	\$ 2,066,884	\$ 2,516,505



**B R O W N S V I L L E
P U B L I C U T I L I T I E S B O A R D**



Department Responsibility:	Marie C. Leal, P.E.
Title:	Director of W/WW Eng., Planning & Operations
Telephone Ext:	6275
Dept. No:	3110

**PERFORMANCE MEASURES
FOR THE
WATER & WASTEWATER ENGINEERING, PLANNING & OPERATIONS**

Department Function:

The department's function is to oversee the entire Water & Wastewater Engineering, Planning & Operations Division and ensure departmental personnel have the resources available to perform their day-to-day functions. We forecast and plan needed improvements to our system that include Engineering, Capital Improvement and projected growth. Available funding is budgeted and forecasted in accordance with prioritized project and system needs.

Department Goals/Objectives:

To provide staff with the resources (tools and funding) to make the necessary improvements to the water and wastewater systems to make them more efficient and provide a better quality product and service while keeping operational costs down. To project future needs and take the necessary steps in order to minimize the impact on the system and community while maximizing the return on our investments.

Note:

See Departments:

- 3145-W/WW Plant Maintenance
- 3230-Wastewater Lift Stations
- 3150-W/WW Construction & Operations
- 3310-W/WW Engineering

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 130,923	\$ 53,929	\$ 92,836	\$ 78,000	\$ 107,582	\$ 80,346
6110 Clerical staff	34,137	34,200	33,393	33,862	35,327	34,882
6130 Overtime	446	331	292	500	392	500
6201 T.M.R.S.	23,603	12,028	28,383	19,788	26,642	20,591
6205 F.I.C.A.	9,836	4,668	8,240	6,935	7,941	7,144
6210 Medicare	2,414	1,281	2,520	1,622	2,124	1,671
6214 Dental Insurance	599	374	462	484	490	446
6215 Hospitalization insurance	15,429	9,314	12,288	13,400	13,266	12,370
6220 Life Insurance	219	120	148	115	182	118
6221 Long Term Disability Insurance	440	238	296	224	373	230
6225 Workers Compensation	7,635	4,605	5,333	2,797	3,764	2,881
6230 Vacation leave	(14,961)	3,346	6,917	1,354	4,815	1,394
6235 Sick leave	(53,498)	2,816	5,257	1,488	5,026	1,533
6242 Auto Benefits	12,115	7,500	6,633	7,500	7,500	7,500
6243 Telephone Benefits	2,714	1,680	1,486	1,680	1,680	1,680
6260 Vacancy Savings	-	-	-	(7,837)	-	(8,034)
O&M PERSONNEL TOTAL	172,051	136,431	204,483	161,913	217,103	165,252

DEPARTMENT 3110 - WATER & WASTEWATER ENGINEERING, PLANNING & OPERATIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M NON-PERSONNEL</i>						
7110 Dues & memberships	5,828	15,105	5,956	650	5,899	6,500
7120 Office supplies	240	629	615	900	1,140	1,500
7130 Postage/shipping charges	31	165	-	200	18	200
7140 Training expenses	10	750	1,104	3,295	1,324	3,295
7145 Travel expenses	4,503	10,054	453	7,000	3,680	4,000
7315 Food, meals, ice, water	614	410	729	800	647	1,500
7415 Fuels & lubricants	-	124	134	-	-	-
7601 Legal Fees	21,184	8,147	-	10,000	3,871	20,000
7699 Other services	-	40,882	-	-	-	-
7801 Communication equipment	-	-	-	200	-	200
7805 Computer equipment	-	-	435	500	384	500
7820 Office furniture & equipment	-	-	284	-	432	3,140
<i>O&M NON-PERSONNEL TOTAL</i>	<u>32,410</u>	<u>76,265</u>	<u>9,710</u>	<u>23,545</u>	<u>17,394</u>	<u>40,835</u>
	\$ 204,461	\$ 212,696	\$ 214,193	\$ 185,458	\$ 234,497	\$ 206,087



Department Responsibility: Domingo Cortez Jr.
Title: W/WW Operator Chief
Telephone Ext: 6488
Dept. No: 3120

**PERFORMANCE MEASURES
 FOR THE
 WATER PLANT NO. 1**

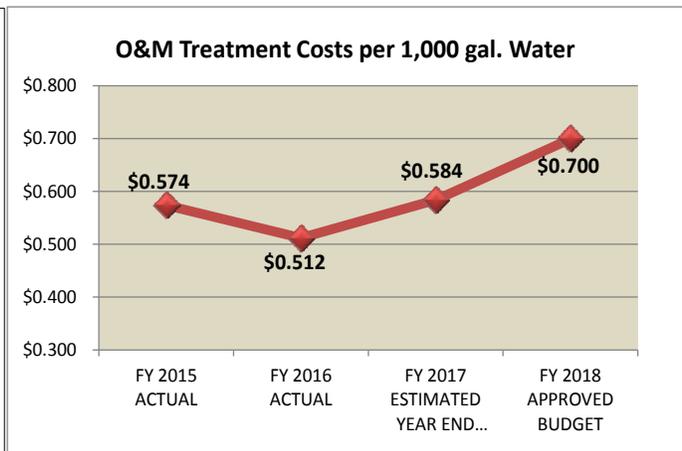
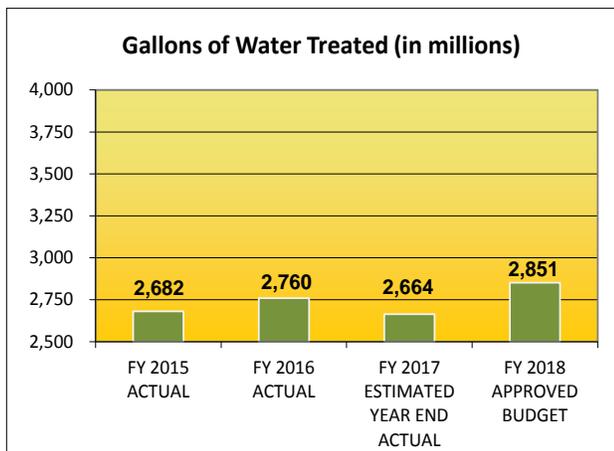
Department Function:

Water Plant No. 1 is responsible for producing and delivering safe and aesthetically pleasing drinking water at adequate pressures in the water distribution system.

Department Goals/Objectives:

Water Plant No. 1's objective is to cost-effectively produce high quality drinking water that meets state and federal Drinking Water Standards and reporting requirements.

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
INPUT MEASURES				
Employees (FTE's)	9	10	10	10
O&M Expenses	\$ 1,539,797	\$ 1,412,957	\$ 1,555,832	\$ 1,994,320
Gallons of Raw Water Used (in millions)	2,762	2,868	2,863	3,041
OUTPUT MEASURES				
Gallons of Water Treated (in millions)	2,682	2,760	2,664	2,851
No. of Water Customers Served	49,400	50,308	51,279	52,269
OUTCOME MEASURES				
Compliance With Primary Water Standards	Yes	Yes	Yes	Yes
Compliance With State Reporting Requirements	Yes	Yes	Yes	Yes
Completion of Oper. Reports Within 10 Days (%)	100%	100%	100%	100%
EFFICIENCY MEASURES				
O&M Treatment Costs Per 1,000 gal. Water	\$ 0.574	\$ 0.512	\$ 0.584	\$ 0.700



DEPARTMENT 3120 - WATER PLANT I

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 73,978	\$ 122,370	\$ 62,944	\$ 123,219	\$ 132,887	\$ 126,922
6110 Clerical staff	-	206	172	-	355	-
6115 Operational staff	232,846	237,384	234,284	263,120	277,342	279,841
6130 Overtime	4,559	5,165	7,958	8,267	10,329	8,174
6201 T.M.R.S.	44,390	51,212	50,354	68,343	74,488	72,688
6205 F.I.C.A.	18,327	22,336	18,034	23,953	24,819	25,219
6210 Medicare	4,286	5,224	4,218	4,702	5,804	5,898
6214 Dental Insurance	2,222	2,339	2,160	3,024	2,765	2,790
6215 Hospitalization insurance	62,655	63,422	63,898	90,202	84,125	87,959
6220 Life Insurance	433	498	427	427	545	452
6221 Long Term Disability Insurance	798	933	785	773	1,043	814
6225 Workers Compensation	7,785	9,409	7,658	9,658	10,523	10,169
6230 Vacation leave	7,967	(1,594)	(2,056)	4,533	322	4,922
6235 Sick leave	25,320	2,562	(11,992)	4,982	(7,225)	5,410
6260 Vacancy Savings	-	-	-	(28,579)	-	(30,638)
<i>O&M PERSONNEL TOTAL</i>	485,564	521,466	438,845	576,625	618,122	600,622
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	44	44	44	175	-	175
7110 Dues & memberships	636	441	982	1,040	939	1,040
7120 Office supplies	63	417	233	400	419	400
7130 Postage/shipping charges	-	23	127	800	34	800
7140 Training expenses	1,456	2,997	3,933	2,800	3,520	3,320
7145 Travel expenses	1,307	572	382	1,440	671	1,440
7180 Utilities - departmental	276,454	236,932	212,130	250,000	192,123	250,000
7225 Safety supplies	1,261	977	2,256	2,000	3,415	2,500
7280 Chemicals - activated carbon	40,339	20,400	40,535	28,008	19,686	29,759
7281 Chemicals - ammonia	50,370	46,694	47,388	60,887	47,984	68,500
7282 Chemicals - caustic soda	11,830	-	-	25,000	-	29,531
7283 Chemicals - chlorine	67,491	75,972	78,064	76,916	74,046	87,802
7284 Chemicals - coagulant	526,541	459,310	352,999	467,042	381,317	496,243
7290 Chemicals - sodium chloride	65,598	60,648	44,141	56,430	56,104	70,538
7293 Chemicals - other	855	1,092	230	2,100	1,159	2,100
7299 Other materials & supplies	14,563	10,754	14,236	15,900	22,785	21,000
7315 Food, meals, ice, water	372	532	446	400	278	400
7325 Rental of equip/storage/land	2,366	2,429	2,419	3,500	2,247	5,000
7335 Wearing apparel & dry goods	2,148	2,876	2,596	2,608	2,879	2,600
7415 Fuels & lubricants	2,255	1,509	1,522	2,000	1,596	1,500
7520 Maint. of minor equipment	850	-	3,319	27,125	22,017	24,400
7580 Maint. of reservoirs	13,574	-	112,493	50,000	37,478	125,000
7605 Engineering fees	-	-	-	-	1,511	50,000
7630 Construction contractor services	13,700	46,971	-	30,000	14,748	35,000
7645 Maintenance services	8,395	20,893	12,637	17,000	2,033	15,600
7699 Other services	14,587	9,014	19,395	32,000	20,648	17,000
7810 Laboratory equipment	1,796	3,148	5,702	7,400	4,489	10,550
7820 Office furniture & equipment	-	876	1,132	2,500	-	2,500
7830 Pumping equipment	1,647	1,696	-	2,000	499	2,000
7840 Water treatment equipment	9,673	6,383	10,971	25,000	21,702	35,000
7899 Other minor tools & equipment	100	4,730	3,800	3,000	1,385	2,000
<i>O&M NON-PERSONNEL TOTAL</i>	1,130,272	1,018,331	974,112	1,195,471	937,710	1,393,698
	\$ 1,615,836	\$ 1,539,797	\$ 1,412,957	\$ 1,772,096	\$ 1,555,832	\$ 1,994,320



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: Jose A. Garza
Title: W/WW Operator Chief
Telephone Ext: 6684
Dept. No: 3130

**PERFORMANCE MEASURES
FOR THE
WATER PLANT NO. 2**

Department Function:

Water Plant No. 2 is responsible for producing and delivering safe and aesthetically pleasing drinking water at adequate pressures in the water distribution system.

Department Goals/Objectives:

Water Plant No. 2's objective is to cost-effectively produce high quality drinking water that meets state and federal Drinking Water Standards and reporting requirements.

INPUT MEASURES

Employees (FTE's)
O&M Expenses
Gallons of Raw Water Used (in millions)

OUTPUT MEASURES

Gallons of Water Treated (in millions)
No. of Water Customers Served

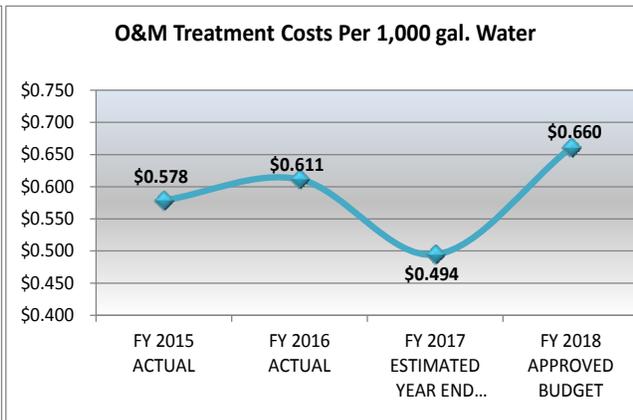
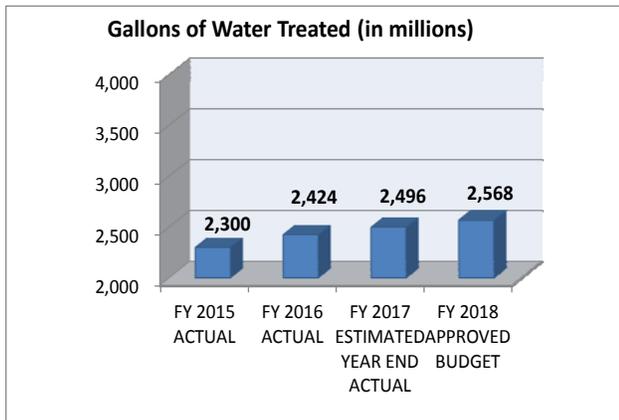
OUTCOME MEASURES

Compliance With Primary Water Standards
Compliance With State Reporting Requirements
Completion of Oper. Reports Within 10 Days (%)

EFFICIENCY MEASURES

O&M Treatment Costs Per 1,000 gal. Water

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
Employees (FTE's)	9	8	8	8
O&M Expenses	\$ 1,330,505	\$ 1,482,192	\$ 1,233,988	\$ 1,696,012
Gallons of Raw Water Used (in millions)	2,455	2,532	2,521	2,510
Gallons of Water Treated (in millions)	2,300	2,424	2,496	2,568
No. of Water Customers Served	49,400	50,308	51,279	52,269
Compliance With Primary Water Standards	Yes	Yes	Yes	Yes
Compliance With State Reporting Requirements	Yes	Yes	Yes	Yes
Completion of Oper. Reports Within 10 Days (%)	100%	100%	100%	100%
O&M Treatment Costs Per 1,000 gal. Water	\$ 0.578	\$ 0.611	\$ 0.494	\$ 0.660



DEPARTMENT 3130 - WATER PLANT II

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 62,020	\$ 62,870	\$ 63,056	\$ 62,629	\$ 64,901	\$ 65,333
6115 Operational staff	233,415	234,047	220,905	211,494	223,089	224,671
6130 Overtime	12,471	8,154	9,116	10,413	12,834	12,374
6201 T.M.R.S.	44,226	41,648	48,658	48,492	53,343	51,824
6205 F.I.C.A.	18,607	18,267	17,320	16,996	17,741	17,980
6206 Suta	-	452	-	-	1,032	-
6210 Medicare	4,352	4,272	4,051	3,975	4,149	4,205
6214 Dental Insurance	2,364	2,344	2,141	2,419	2,100	2,232
6215 Hospitalization insurance	57,844	57,485	63,155	74,464	62,866	66,235
6220 Life Insurance	420	426	408	316	398	330
6221 Long Term Disability Insurance	761	775	746	548	741	580
6225 Workers Compensation	7,752	7,650	7,336	6,853	7,562	7,250
6230 Vacation leave	69	4,922	(5,120)	3,304	4,537	3,509
6235 Sick leave	5,342	14,097	(2,293)	3,631	7,032	3,857
6260 Vacancy Savings	-	-	-	(21,278)	-	(22,032)
<i>O&M PERSONNEL TOTAL</i>	449,642	457,409	429,480	424,257	462,325	438,348
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	300	-	300
7110 Dues & memberships	1,257	651	708	950	742	950
7120 Office supplies	228	55	-	500	381	500
7130 Postage/shipping charges	-	7	7	100	-	100
7140 Training expenses	1,825	3,951	3,765	6,160	1,757	4,000
7145 Travel expenses	1,180	542	424	512	466	512
7180 Utilities - departmental	26,899	125,708	250,816	218,724	226,442	218,724
7190 Utilities - CP&L & Mvec	1,412	1,373	1,736	2,000	1,343	2,000
7225 Safety supplies	1,558	1,787	1,385	2,250	1,320	2,250
7280 Chemicals - activated carbon	21,268	21,070	20,828	43,061	41,422	43,624
7281 Chemicals - ammonia	49,864	42,386	40,852	45,496	40,560	49,270
7282 Chemicals - caustic soda	42,824	60,760	65,338	54,249	41,024	66,377
7283 Chemicals - chlorine	59,556	59,022	58,548	63,714	53,382	73,680
7284 Chemicals - coagulant	425,046	364,582	344,002	412,884	248,906	418,277
7290 Chemicals - sodium chloride	73,109	43,665	56,518	59,700	40,893	62,700
7293 Chemicals - other	1,359	1,093	509	5,000	389	5,000
7299 Other materials & supplies	22,699	11,928	26,898	21,400	21,128	21,400
7315 Food, meals, ice, water	183	314	324	400	97	400
7325 Rental of equip/storage/land	2,497	6,307	10,587	5,000	2,192	5,000
7335 Wearing apparel & dry goods	3,571	2,694	1,987	2,608	2,298	2,600
7415 Fuels & lubricants	1,931	1,803	2,112	1,500	806	1,500
7501 Maint. of buildings & structures	-	-	24,350	25,000	-	25,000
7580 Maint. of reservoirs	49,715	67,758	29,722	50,000	3,973	50,000
7605 Engineering fees	-	-	8,959	14,000	-	65,000
7630 Construction contractor services	-	-	6,000	50,000	-	50,000
7645 Maintenance services	542	705	10,317	10,000	624	10,000
7699 Other services	52,035	43,547	48,377	50,000	10,082	50,000
7810 Laboratory equipment	-	-	4,535	-	-	-
7820 Office furniture & equipment	663	-	348	2,500	810	2,500
7830 Pumping equipment	242	229	10,576	1,000	-	1,000
7899 Other minor tools & equipment	2,855	11,159	22,183	25,000	30,626	25,000
<i>O&M NON-PERSONNEL TOTAL</i>	844,320	873,096	1,052,712	1,174,008	771,663	1,257,664
	\$ 1,293,962	\$ 1,330,505	\$ 1,482,192	\$ 1,598,265	\$ 1,233,988	\$ 1,696,012



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: **Rene Mariscal**
 Title: **Water Resource Manager**
 Telephone Ext: **6256**
 Dept. No: **3135**

**PERFORMANCE MEASURES
FOR THE
RESACA MAINTENANCE DEPARTMENT**

Department Function:

The Resaca Maintenance department is responsible for maintaining the City's Resaca system.

Department Goals/Objectives:

The Resaca Maintenance Department's objective is to cost-effectively dredge and maintain the City of Brownsville's Resaca System and BPUB's reservoirs in order to increase raw water storage and storm water capacity.

INPUT MEASURES

Employees (FTE's)

O&M Expenses

OUTPUT MEASURES

Sediment Dredged (cu-yd)

OUTCOME MEASURES

Compliance With Environmental Standards

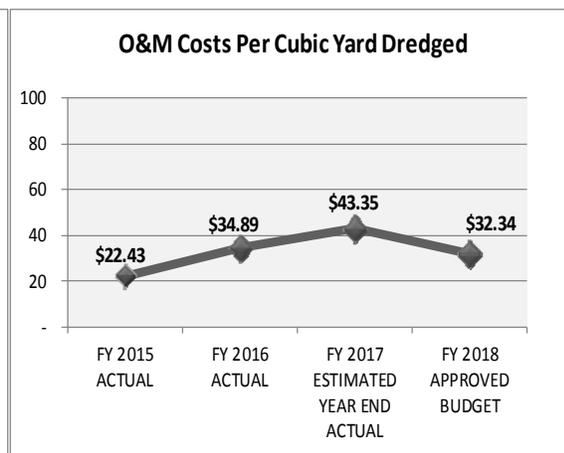
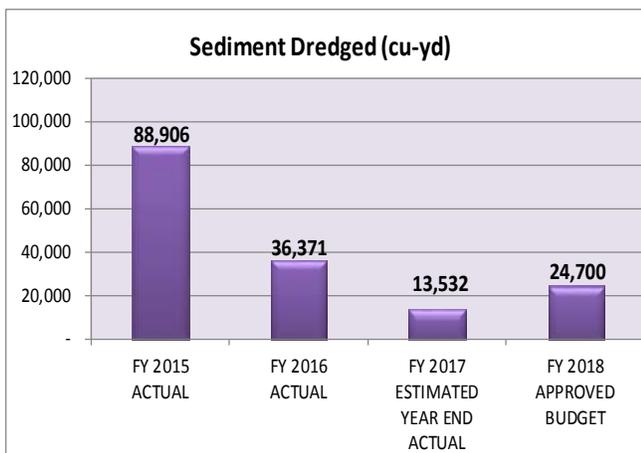
Completion of Oper. Reports Within 10 Days (%)

Raw Water Storage Capacity Gained (acre-ft)

EFFICIENCY MEASURES

O&M Costs Per Cubic Yard Dredged

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
Employees (FTE's)	19	17	17	9
O&M Expenses	\$ 1,994,290	\$ 1,269,068	\$ 586,652	\$ 798,687
Sediment Dredged (cu-yd)	88,906	36,371	13,532	24,700
Compliance With Environmental Standards	Yes	Yes	Yes	Yes
Completion of Oper. Reports Within 10 Days (%)	100%	100%	100%	100%
Raw Water Storage Capacity Gained (acre-ft)	55	22	8	15
O&M Costs Per Cubic Yard Dredged	\$ 22.43	\$ 34.89	\$ 43.35	\$ 32.34



DEPARTMENT 3135 – RESACA MAINTENANCE

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 181,337	\$ 135,574	\$ 138,102	\$ 135,054	\$ 138,938	\$ 140,005
6105 Administrative Staff	-	-	-	-	819	-
6110 Clerical staff	16,912	25,644	25,804	25,480	23,027	27,292
6115 Operational staff	335,981	414,956	323,593	319,363	150,714	197,714
6130 Overtime	22,348	72,556	32,638	-	9,898	10,000
6201 T.M.R.S.	79,974	88,632	86,565	84,894	56,963	65,227
6205 F.I.C.A.	33,032	38,302	30,202	29,754	18,687	22,631
6210 Medicare	7,725	8,958	7,063	6,959	4,370	5,293
6214 Dental Insurance	4,536	4,777	3,771	4,235	2,035	2,511
6215 Hospitalization insurance	123,912	132,104	122,468	139,983	67,713	79,290
6220 Life Insurance	773	829	702	505	441	560
6221 Long Term Disability Insurance	1,389	1,492	1,276	960	840	763
6225 Workers Compensation	14,037	16,272	13,036	11,885	8,127	9,125
6230 Vacation leave	4,691	2,241	(3,160)	5,807	(7,227)	4,417
6235 Sick leave	20,118	3,758	(6,357)	6,383	(3,224)	4,855
6260 Vacancy Savings	-	-	-	-	-	(27,521)
<i>O&M PERSONNEL TOTAL</i>	846,766	946,093	775,703	771,261	472,120	542,163
<i>O&M NON-PERSONNEL</i>						
7101 Advertising	352	-	-	-	-	-
7105 Books & periodicals	-	-	28	20	-	-
7110 Dues & memberships	574	508	436	500	686	500
7120 Office supplies	1,474	1,223	941	500	590	500
7130 Postage/shipping charges	363	1,933	64	45	-	45
7140 Training expenses	2,183	2,795	615	600	200	600
7145 Travel expenses	1,338	1,399	6,689	4,000	4,059	2,000
7147 Mileage Reimbursement (InTownExp)	-	40	-	-	-	-
7180 Utilities - departmental	13,886	18,826	14,569	14,000	10,206	14,000
7203 Sand, Caliche, Gravel, Concrete etc	60,881	24,710	21,192	12,000	2,461	9,000
7205 Lamps, globes & flares	-	-	-	-	-	-
7225 Safety supplies	3,164	3,571	4,812	3,600	1,552	3,000
7293 Chemicals - other	238,901	197,892	140,139	67,702	-	91,979
7299 Other materials & supplies	55,574	80,810	53,047	40,000	29,248	30,000
7315 Food, meals, ice, water	707	525	195	100	112	100
7325 Rental of equip/storage/land	51,985	7,126	11,138	8,000	2,285	8,000
7335 Wearing apparel & dry goods	5,700	7,432	6,102	5,500	6,970	5,500
7415 Fuels & lubricants	73,735	65,242	35,688	36,000	25,783	36,000
7581 Maint. of resacas	94,789	318,606	332	18,100	2,691	100
7599 Maintenance / other	293,992	-	-	-	-	-
7605 Engineering fees	213,720	246,092	117,130	-	15,475	18,000
7645 Maintenance services	3,247	4,570	20,206	6,000	742	6,000
7655 Hauling Services	-	-	308	10,672	-	-
7699 Other services	1,056	41,245	55,356	-	9,919	30,000
7801 Communication equipment	996	9,396	469	-	-	-
7805 Computer equipment	-	-	1,031	-	-	-
7820 Office furniture & equipment	2,703	182	904	-	-	-
7830 Pumping equipment	15,465	9,307	200	1,000	573	1,000
7835 Tools, shop and garage equipment	2,238	3,215	906	200	58	200
7899 Other minor tools & equipment	2,826	1,552	871	200	922	-
<i>O&M NON-PERSONNEL TOTAL</i>	1,141,850	1,048,197	493,365	228,739	114,532	256,524
	\$ 1,988,616	\$ 1,994,290	\$ 1,269,068	\$ 1,000,000	\$ 586,652	\$ 798,687



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility:	Rene Mariscal
Title:	Water Resource Manager
Telephone Ext:	6256
Dept. No:	3140

**PERFORMANCE MEASURES
FOR THE
RAW WATER SUPPLY DEPARTMENT**

Department Function:

The Raw Water Supply Department is responsible for forecasting water demands and maintenance of reservoir and resaca infrastructure.

Department Goals/Objectives:

The Raw Water Department's objective is to maintain sufficient raw water storage levels in the reservoirs and resacas to minimize the cost of purchasing water rights and surface water; and to maintain raw water equipment in a cost-efficient manner and return equipment to operating condition in a cost-effective manner.

INPUT MEASURES

Employees (FTE's)
O&M Expenses
Certificate M865 Water Rights (acre feet)

OUTPUT MEASURES

River Water Diversions to Reservoirs (acre feet)
Raw Water Diversions to Resacas (acre feet)
Certificate M865 Diversions (acre feet)

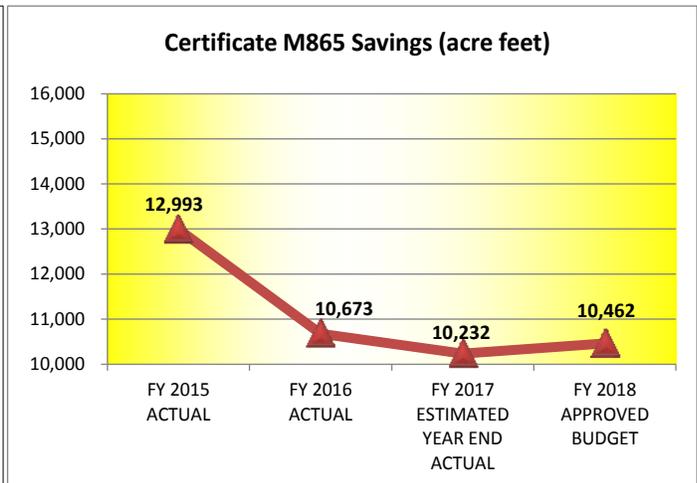
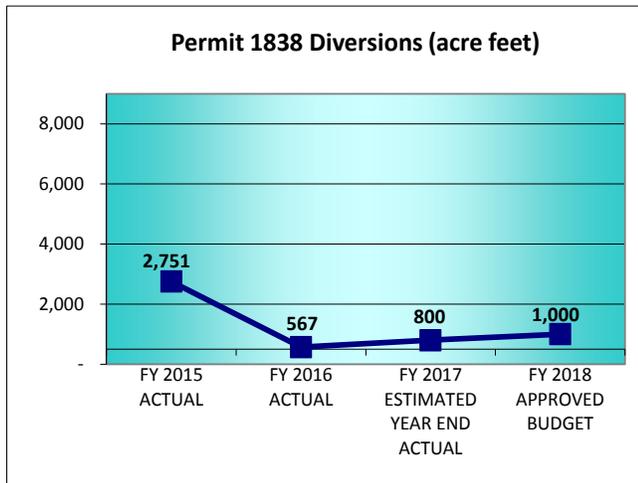
OUTCOME MEASURES

Permit 1838 Diversions (acre feet)

EFFICIENCY MEASURES

Certificate M865 Savings (acre feet)

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
Employees (FTE's)	4	4	4	4
O&M Expenses	\$ 467,096	\$ 408,058	\$ 480,936	\$ 1,080,685
Certificate M865 Water Rights (acre feet)	31,133	31,133	31,462	31,462
River Water Diversions to Reservoirs (acre feet)	20,736	21,028	21,640	21,134
Raw Water Diversions to Resacas (acre feet)	4,726	4,760	4,538	4,674
Certificate M865 Diversions (acre feet)	18,140	20,460	21,230	21,000
Permit 1838 Diversions (acre feet)	2,751	567	800	1,000
Certificate M865 Savings (acre feet)	12,993	10,673	10,232	10,462



DEPARTMENT 3140 – RAW WATER SUPPLY

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6115 Operational staff	\$ 71,995	\$ 116,623	\$ 114,287	\$ 118,456	\$ 125,843	\$ 124,632
6130 Overtime	2,697	7,899	5,395	13,155	7,316	6,000
6201 T.M.R.S.	10,648	18,668	19,915	20,955	23,358	22,272
6205 F.I.C.A.	4,490	8,090	6,993	7,344	7,684	7,727
6210 Medicare	1,050	1,892	1,635	1,718	1,797	1,807
6214 Dental Insurance	576	986	1,049	1,210	1,075	1,116
6215 Hospitalization insurance	13,492	27,259	31,248	36,897	32,892	34,059
6220 Life Insurance	103	169	174	141	182	147
6221 Long Term Disability Insurance	186	304	307	237	329	249
6225 Workers Compensation	1,867	3,439	3,057	2,961	3,300	3,116
6230 Vacation leave	(2,518)	2,137	(92)	1,433	(160)	1,508
6235 Sick leave	(12,945)	8,085	2,276	1,575	3,155	1,658
6260 Vacancy Savings	-	-	-	(9,469)	-	(9,756)
<i>O&M PERSONNEL TOTAL</i>	91,640	195,551	186,244	196,613	206,772	194,535
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	74	100	-	100
7110 Dues & memberships	311	221	398	600	296	485
7120 Office supplies	568	405	592	1,000	479	1,000
7130 Postage/shipping charges	-	21	-	100	-	100
7140 Training expenses	-	770	695	2,075	1,140	1,915
7145 Travel expenses	(34)	85	64	214	393	1,100
7180 Utilities - departmental	173,707	154,354	141,424	165,000	144,857	165,000
7190 Utilities - CP&L & Mvec	408	427	407	950	889	950
7203 Sand, Caliche, Gravel, Concrete etc	-	4,139	13,228	18,500	5,598	18,500
7225 Safety supplies	631	1,093	512	1,400	954	1,400
7251 Purchased of Raw Water	31,540	12,494	17,421	25,000	38,203	50,000
7285 Chemicals - copper sulphate	2,311	-	2,700	5,000	-	5,000
7293 Chemicals - other	-	-	57	1,000	-	1,000
7299 Other materials & supplies	5,991	11,696	9,811	10,000	7,649	10,000
7315 Food, meals, ice, water	75	81	49	300	106	300
7325 Rental of equip/storage/land	-	80	-	750	160	750
7335 Wearing apparel & dry goods	610	951	1,559	1,200	2,210	2,000
7415 Fuels & lubricants	18,624	12,926	8,272	15,000	9,763	15,000
7580 Maint. of reservoirs	-	38,675	5,930	10,000	9,634	200,000
7581 Maint. of resacas	-	-	-	5,000	773	105,000
7605 Engineering fees	13,809	-	-	10,000	30,670	184,500
7645 Maintenance services	5,869	11,493	5,543	6,000	16,569	6,000
7699 Other services	-	760	3,021	3,000	873	98,000
7805 Computer equipment	150	-	-	500	20	500
7820 Office furniture & equipment	-	766	400	550	135	550
7830 Pumping equipment	599	18,847	5,755	15,000	1,982	15,000
7835 Tools, shop and garage equipment	-	496	790	1,000	437	1,000
7899 Other minor tools & equipment	25	769	3,112	1,000	374	1,000
<i>O&M NON-PERSONNEL TOTAL</i>	255,195	271,545	221,814	300,239	274,164	886,150
	\$ 346,835	\$ 467,096	\$ 408,058	\$ 496,852	\$ 480,936	\$ 1,080,685



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: Noe C. Hernandez

Title: W/WW Plant Maint./WW Lift Stations Manager

Telephone Ext: 6520

Dept. No: 3145

**PERFORMANCE MEASURES
FOR THE
W/WW Plant Maintenance Department**

Department Function:

Provide mechanical maintenance to BPUB's Water and Wastewater Treatment Plants.

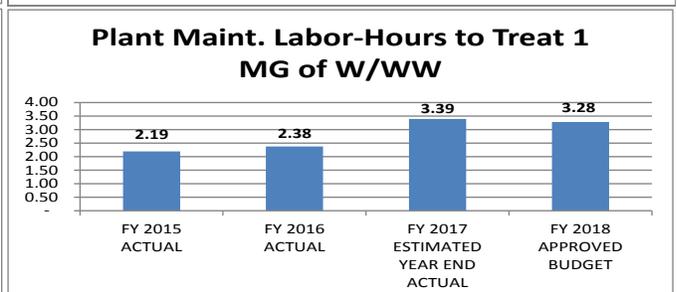
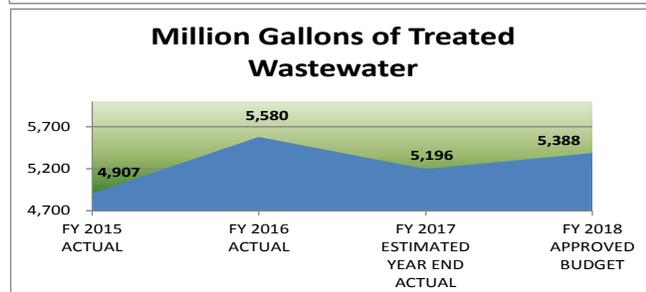
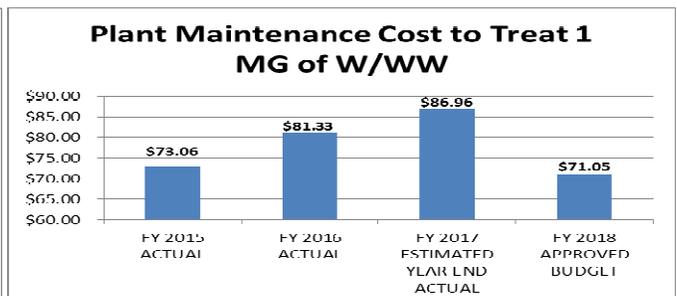
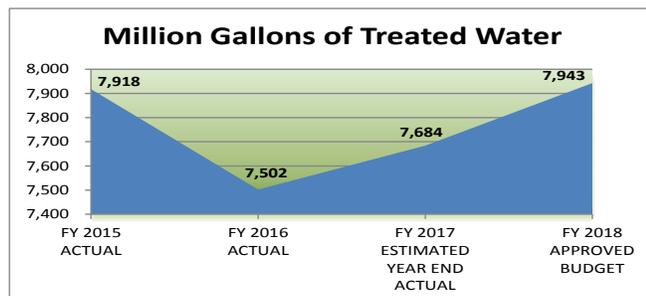
Department Goals/Objectives:

The W/WW Plant Maintenance Department's goal is to provide a highly reliable and efficient mechanical maintenance service to its internal BPUB customers, namely the Water and Wastewater Treatment Plants and their Operators.

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
INPUT MEASURES				
O&M Expenditures	\$ 1,078,039	\$ 1,117,214	\$ 1,314,270	\$ 1,723,421
Labor-Hours	28,128	31,200	43,680	43,680
Overtime labor factor	12	13	14	13
OUTPUT MEASURES				
Million Gallons of Treated Water	7,918	7,502	7,684	7,943
Thousands of Customers Served (water)	50	50	50	50
Million Gallons of Treated Wastewater	4,907	5,580	5,196	5,388
Thousands of Customers Served (wastewater)	49	50	50	50
OUTCOME MEASURES				
Maintenance-related TCEQ Nov (water)	0	0	0	0
Maintenance-related TCEQ Nov (wastewater)	0	0	0	0
Water Plant PM Status**	38	37	36	37
Wastewater Plant PM Status**	37	37	36	37
EFFICIENCY MEASURES				
Plant Maintenance Cost Per Customer/ Year	\$ 187.84	\$ 212.80	\$ 223.99	\$ 189.42
Plant Maint. Labor-Hours Per Customer/Yr	0.56	0.62	0.87	0.87
Plant Maintenance Cost to Treat 1 MG of W/WW	\$ 73.06	\$ 81.33	\$ 86.96	\$ 71.05
Plant Maint. Labor-Hours to Treat 1 MG of W/WW	2.19	2.38	3.39	3.28

NOTES:

*W/WW Plant PM Status = Thousands of customers served minus number of TCEQ non-compliance notices - overtime labor factor
(For FY 2018 Proposed Budget - # of Customers Served Water (50,395) and Wastewater (50,242))



DEPARTMENT 3145 - WATER & WASTEWATER PLANT MAINTENANCE

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 58,104	\$ 58,898	\$ 58,747	\$ 58,677	\$ 62,045	\$ 62,358
6105 Administrative Staff	77,805	50,383	50,545	50,190	50,629	51,688
6115 Operational staff	401,571	377,033	382,056	404,435	401,965	426,947
6130 Overtime	33,615	24,672	42,671	25,748	78,087	56,904
6201 T.M.R.S.	81,887	70,709	92,564	90,803	104,182	96,676
6205 F.I.C.A.	34,063	30,617	32,886	31,825	34,546	33,542
6206 Suta	2,583	-	-	-	-	-
6210 Medicare	7,966	7,161	7,691	7,443	8,079	7,844
6214 Dental Insurance	3,586	3,091	3,177	3,931	3,170	3,627
6215 Hospitalization insurance	95,651	88,041	99,610	126,175	104,776	116,161
6220 Life Insurance	752	681	692	571	694	788
6221 Long Term Disability Insurance	1,407	1,280	1,300	1,027	1,326	1,123
6225 Workers Compensation	14,364	13,002	14,113	12,833	14,770	13,525
6230 Vacation leave	3,785	2,460	1,721	6,211	2,220	6,546
6235 Sick leave	3,774	5,997	4,205	6,827	14,093	7,195
6260 Vacancy Savings	-	-	-	(39,280)	-	(40,714)
<i>O&M PERSONNEL TOTAL</i>	<u>820,914</u>	<u>734,024</u>	<u>791,980</u>	<u>787,415</u>	<u>880,583</u>	<u>844,210</u>
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	379	-	-	500	-	500
7110 Dues & memberships	344	616	189	1,600	647	600
7120 Office supplies	2,502	2,082	2,587	3,800	3,045	4,100
7130 Postage/shipping charges	14	11	-	200	935	300
7140 Training expenses	1,717	2,361	1,510	13,000	1,301	3,000
7145 Travel expenses	748	-	373	3,940	574	3,940
7220 Medical supplies	-	-	-	-	280	-
7225 Safety supplies	6,741	15,762	7,691	14,883	8,564	34,971
7299 Other materials & supplies	53,708	53,442	65,512	56,217	87,414	78,200
7315 Food, meals, ice, water	221	204	320	800	250	800
7325 Rental of equip/storage/land	3,887	1,524	5,437	5,826	2,259	15,600
7335 Wearing apparel & dry goods	4,163	5,293	4,797	4,121	5,206	4,200
7415 Fuels & lubricants	18,836	23,874	18,836	19,000	19,664	19,000
7515 Maint. of major equipment	27,279	29,210	-	-	-	-
7645 Maintenance services	98,812	174,248	184,202	356,274	282,071	676,000
7801 Communication equipment	-	14,165	11,872	-	-	-
7806 Software licenses -new	-	295	-	-	-	-
7820 Office furniture & equipment	3,009	-	1,105	400	270	400
7835 Tools, shop and garage equipment	21,117	19,936	12,336	21,700	15,085	22,000
7899 Other minor tools & equipment	1,819	992	8,468	15,400	6,121	15,600
<i>O&M NON-PERSONNEL TOTAL</i>	<u>245,297</u>	<u>344,015</u>	<u>325,234</u>	<u>517,660</u>	<u>433,687</u>	<u>879,211</u>
	\$ 1,066,211	\$ 1,078,039	\$ 1,117,214	\$ 1,305,075	\$ 1,314,270	\$ 1,723,421



**B R O W N S V I L L E
P U B L I C U T I L I T I E S B O A R D**



Department Responsibility: Armando Garcia
Title: W/WW Operations Manager
Telephone Ext: 6386
Dept. No: 3150

**PERFORMANCE MEASURES
FOR THE
WATER/WASTEWATER OPERATIONS & CONSTRUCTION DEPARTMENT**

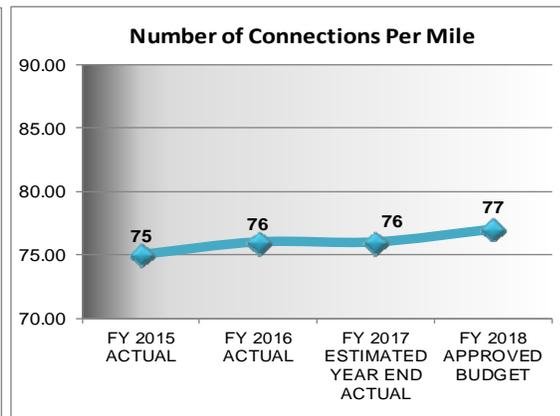
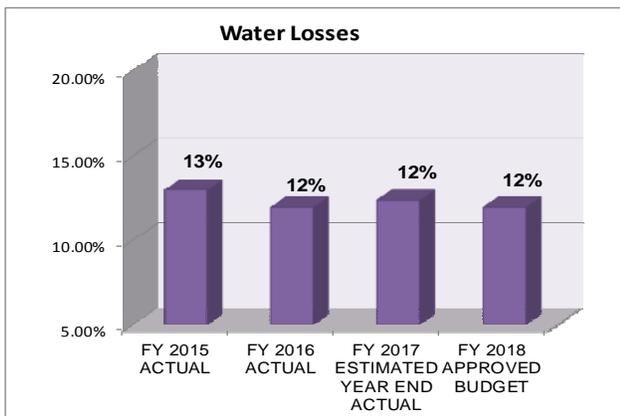
Department Function:

The Water/Wastewater Operations & Construction Department is responsible for the operations, construction, and maintenance of the Brownsville PUB water and wastewater utility system. Maintenance and repairs of water mains, water service lines, water meters, water main valves and hydrants, wastewater force mains, gravity mains, new water and wastewater line extensions, special projects, water audits, manage daily department activities, generate reports, and provide support to other departments.

Department Goals/Objectives:

The Water/Wastewater Department objective is to effectively provide and maintain high quality service for Brownsville PUB internal and external customers. To complete all functions of the department by enhancing reliability, responsiveness, and total commitment in providing a safe working environment to our employees and to the safe delivery of quality services to our customers.

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
INPUT MEASURES				
Employees	68	67	67	67
O&M Expenses	\$ 4,867,291	\$ 4,929,683	\$ 5,025,057	\$ 5,975,698
Miles of Water & Wastewater Mains	1,300	1,300	1,298	1,308
Number of Service Requests	16,065	16,230	16,498	16,400
Number of Service Orders	5,902	7,423	8,809	7,804
Overtime Expenses	\$ 130,000	\$ 160,000	\$ 165,000	\$ 175,000
OUTPUT MEASURES				
Water Mains/Service Line # of Repairs	2,354	874	1,066	2,357
Wastewater Line # of Repairs	445	490	535	469
Number of W/WW Service Connections	97,215	99,782	99,782	100,637
OUTCOME MEASURES				
Ongoing Maintenance	YES	YES	YES	YES
Average Response Time Per Call	90min.	90min.	90min.	90min.
Water Losses	13%	12%	12%	12%
Number of Connections Per Mile	75	76	76	77
EFFICIENCY MEASURES				
Estimated Expenses W/WW Main Lines	\$ 2,053,811	\$ 1,875,655	\$ 2,519,236	\$ 3,051,903
Turnaround Time Per New Connection (days)	10	10	10	10
Cost per Customer per W/WW Connection	\$ 2,810	\$ 3,272	\$ 3,272	\$ 3,272



DEPARTMENT 3150 - WATER & WASTEWATER OPERATIONS AND CONSTRUCTION

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 173,309	\$ 156,716	\$ 160,276	\$ 115,826	\$ 179,765	\$ 161,963
6110 Clerical staff	72,290	74,108	73,329	72,613	75,960	95,301
6115 Operational staff	1,300,466	1,275,948	1,324,701	1,436,389	1,439,524	1,733,637
6130 Overtime	140,710	242,481	173,032	164,997	194,417	175,803
6201 T.M.R.S.	236,133	239,817	289,680	287,432	336,442	355,774
6205 F.I.C.A.	99,434	105,733	104,001	100,739	113,241	123,436
6206 Suta	448	5,468	10,032	-	10,233	-
6210 Medicare	23,255	24,728	24,323	23,560	26,484	28,868
6214 Dental Insurance	14,486	14,243	14,427	17,299	14,158	16,602
6215 Hospitalization insurance	350,848	344,569	403,990	488,105	408,337	468,090
6220 Life Insurance	2,247	2,188	2,331	1,947	2,426	3,590
6221 Long Term Disability Insurance	3,938	3,830	4,105	3,250	4,431	4,255
6225 Workers Compensation	42,613	45,296	44,404	40,621	48,331	49,773
6230 Vacation leave	7,921	2,455	10,329	19,240	42,490	24,090
6235 Sick leave	4,180	(3,350)	(2,175)	21,148	50,411	26,479
6260 Vacancy Savings	-	-	-	(126,798)	-	(152,064)
<i>O&M PERSONNEL TOTAL</i>	2,472,276	2,534,230	2,636,784	2,666,369	2,946,651	3,115,597
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	265	-	-	-	-	-
7110 Dues & memberships	905	2,301	1,715	1,500	1,416	3,000
7120 Office supplies	6,242	6,302	6,970	5,000	6,101	7,000
7130 Postage/shipping charges	92	65	-	-	-	-
7140 Training expenses	2,598	7,230	10,416	15,000	6,650	10,000
7145 Travel expenses	1,560	1,095	4,001	8,000	2,782	4,000
7180 Utilities - departmental	39,459	47,051	44,214	39,000	35,153	40,000
7201 Barricades & signs	1,922	1,795	1,580	3,500	4,818	6,500
7203 Sand, Caliche, Gravel, Concrete etc	125,777	251,333	248,360	205,000	124,556	205,000
7210 Landscaping/Trade a Tree Program	2,002	5,405	1,986	5,000	4,137	5,000
7215 Laundry & janitorial supplies	32	33	158	700	-	700
7225 Safety supplies	21,608	34,949	25,743	32,000	21,809	35,000
7293 Chemicals - other	1,121	1,550	1,480	1,500	1,703	4,000
7299 Other materials & supplies	248,043	313,709	287,332	293,000	397,725	380,000
7315 Food, meals, ice, water	2,227	2,008	2,059	2,600	1,813	3,000
7325 Rental of equip/storage/land	2,439	3,159	9,699	7,500	21,800	35,000
7335 Wearing apparel & dry goods	20,696	28,233	23,106	24,000	27,671	24,000
7415 Fuels & lubricants	189,222	174,480	118,586	180,000	125,572	180,000
7501 Maint. of buildings & structures	6,707	3,586	4,127	5,000	8,311	5,500
7505 Maint. of communication equipment	561	488	502	900	22	3,000
7515 Maint. of major equipment	11,670	20	2,844	13,000	-	13,000
7520 Maint. of minor equipment	1,710	4,181	4,489	3,500	3,664	4,000
7575 Maint. of water meters	218,467	178,775	361,889	290,000	267,920	350,000
7577 Maint. of distribution mains	129,656	147,029	162,839	120,000	111,341	200,000
7585 Maint. of sewer force mains	18,846	21,814	6,663	30,000	4,073	50,000
7586 Maint. of sewer gravity lines	145,077	184,828	36,947	140,000	18,821	140,000
7599 Maintenance / other	20,943	14,499	10,368	22,000	19,736	22,000
7630 Construction contractor services	306,237	393,826	286,328	242,989	299,979	242,989
7635 Software maintenance service fees	-	-	-	3,500	-	3,500
7645 Maintenance services	317	-	742	1,600	209	1,600
7655 Hauling Services	115,850	127,591	78,211	112,000	97,749	112,000
7699 Other services	233,130	308,963	476,493	440,000	346,586	540,000
7801 Communication equipment	-	19,755	20,407	25,000	21,103	10,000
7805 Computer equipment	-	-	1,284	5,400	1,207	5,400
7820 Office furniture & equipment	1,476	1,213	14,539	-	-	-
7899 Other minor tools & equipment	51,659	45,797	36,825	75,440	93,977	214,912
<i>O&M NON-PERSONNEL TOTAL</i>	1,928,518	2,333,061	2,292,899	2,353,629	2,078,406	2,860,101
	\$ 4,400,794	\$ 4,867,291	\$ 4,929,683	\$ 5,019,998	\$ 5,025,057	\$ 5,975,698



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: Jose G. Ibarra Jr.
Title: Wastewater Treatment Manager
Telephone Ext: 6500
Dept. No: 3210

**PERFORMANCE MEASURES
FOR THE
SOUTH WASTEWATER TREATMENT PLANT**

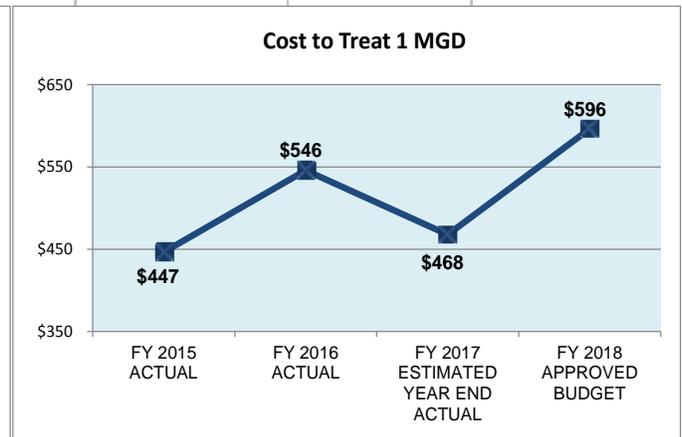
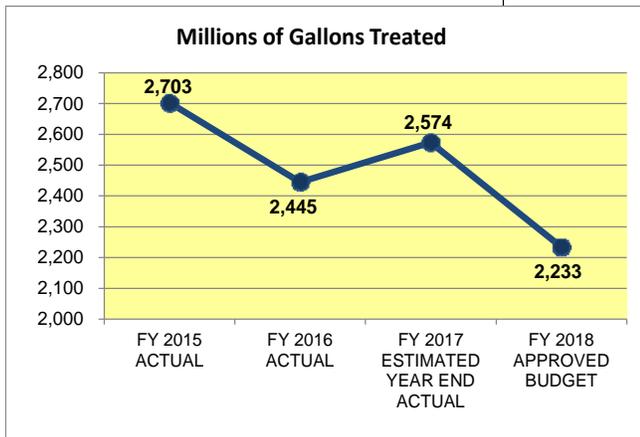
Department Function:

The primary function of the South Wastewater Treatment Plant is to treat wastewater in the most cost efficient way and in accordance with state and federal requirements.

Department Goals/Objectives:

To provide value and service to our customers by operating the treatment plant in the most efficient way. To protect the environment and operate within TPDES permit requirements. To budget for maintenance projects that sustain plant operations.

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
INPUT MEASURES				
Employees	9	10	10	10
O&M Expenses	\$ 1,206,850	\$ 1,334,827	\$ 1,203,968	\$ 1,331,814
Dry Tons Sludge to Site	977	1,247	1,112	1,026
Gallons Treated	2,702,505,000	2,445,107,000	2,573,806,000	2,233,328,000
OUTPUT MEASURES				
Reports Produced	18	18	18	18
Annual Statistical Reports	1	1	1	1
Operational Budget Reports Produced	12	12	12	12
OUTCOME MEASURES				
Operate Within Permit Compliance	Yes	Yes	Yes	Yes
Operate Within Approved Budget	Yes	Yes	Yes	Yes
% of CIP Projects Completed on Schedule	100%	100%	100%	100%
Cost to Treat 1 MGD	\$ 447	\$ 546	\$ 468	\$ 596
EFFICIENCY MEASURES				
Average CBOD % Removal mg/l	99.0	99.0	99.0	99.0
Average TSS % Removal mg/l	98.0	99.0	99.0	98.0



DEPARTMENT 3210 - SOUTH WASTEWATER TREATMENT PLANT

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 53,451	\$ 54,184	\$ 54,391	\$ 53,976	\$ 55,474	\$ 55,598
6115 Operational staff	279,042	294,618	271,016	270,629	249,065	292,456
6130 Overtime	26,002	25,492	27,104	24,143	37,594	35,000
6201 T.M.R.S.	51,114	50,968	59,748	57,423	61,249	61,129
6205 F.I.C.A.	21,485	22,148	21,217	20,125	20,340	21,209
6210 Medicare	5,025	5,180	4,962	4,707	4,757	4,960
6214 Dental Insurance	2,478	2,679	2,459	3,024	2,316	2,790
6215 Hospitalization insurance	65,061	74,399	79,173	95,624	75,881	85,767
6220 Life Insurance	464	493	459	375	422	835
6221 Long Term Disability Insurance	849	897	835	649	779	778
6225 Workers Compensation	8,962	9,358	9,128	8,115	8,670	8,552
6230 Vacation leave	(3,449)	1,110	1,916	3,806	2,964	4,211
6235 Sick leave	(12,094)	276	11,888	4,183	5,326	4,629
6260 Vacancy Savings	-	-	-	(25,134)	-	(26,704)
<i>O&M PERSONNEL TOTAL</i>	498,391	541,800	544,296	521,645	524,835	551,210
<i>O&M NON-PERSONNEL</i>						
7110 Dues & memberships	560	444	677	1,000	-	1,000
7120 Office supplies	153	859	1,040	1,100	1,077	1,100
7130 Postage/shipping charges	3,949	4,181	7,732	6,500	3,682	6,500
7140 Training expenses	1,540	1,917	1,656	3,500	2,491	3,900
7145 Travel expenses	630	314	1,023	1,400	1,111	1,400
7180 Utilities - departmental	480,691	455,499	461,577	468,000	456,411	468,000
7201 Barricades & signs	490	-	-	500	434	500
7203 Sand, Caliche, Gravel, Concrete etc	-	-	34,750	15,000	-	15,000
7215 Laundry & janitorial supplies	106	120	132	600	117	600
7225 Safety supplies	914	695	1,187	500	463	500
7283 Chemicals - chlorine	46,323	59,292	67,732	63,714	61,992	68,154
7293 Chemicals - other	49,345	38,360	39,282	51,000	15,876	51,000
7299 Other materials & supplies	17,681	9,713	12,244	16,000	16,585	16,000
7315 Food, meals, ice, water	408	602	513	750	401	750
7325 Rental of equip/storage/land	50,869	2,163	2,588	12,200	3,224	12,200
7335 Wearing apparel & dry goods	2,684	3,942	3,847	2,800	3,526	3,000
7415 Fuels & lubricants	23,364	14,738	7,812	20,500	21,687	20,500
7515 Maint. of major equipment	3,895	-	43,485	9,500	40,171	39,500
7520 Maint. of minor equipment	1,322	1,153	710	1,500	703	1,500
7645 Maintenance services	109,637	39,603	62,523	47,687	24,423	19,000
7655 Hauling Services	4,600	-	-	-	-	-
7699 Other services	22,218	25,494	23,353	30,100	18,193	30,100
7801 Communication equipment	5,153	-	3,026	-	-	-
7810 Laboratory equipment	2,318	375	3,440	4,500	5,301	5,000
7820 Office furniture & equipment	242	-	-	-	-	1,400
7830 Pumping equipment	11,127	5,056	10,175	10,000	-	10,000
7899 Other minor tools & equipment	2,764	529	27	4,000	1,265	4,000
<i>O&M NON-PERSONNEL TOTAL</i>	842,983	665,050	790,531	772,351	679,133	780,604
	\$ 1,341,374	\$ 1,206,850	\$ 1,334,827	\$ 1,293,996	\$ 1,203,968	\$ 1,331,814



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: Jose G. Ibarra Jr.
Title: Wastewater Treatment Manager
Telephone Ext: 6500
Dept. No: 3220

**PERFORMANCE MEASURES
FOR THE
ROBINDALE WASTEWATER TREATMENT PLANT**

Department Function:

The primary function of the Robindale Wastewater Treatment Plant is to treat wastewater in the most cost efficient way and in accordance with state and federal requirements.

Department Goals/Objectives:

To provide value and service to our customers by operating the treatment plant in the most efficient way. To protect the environment and operate within TPDES permit requirements. To budget for maintenance projects that sustain plant operations.

INPUT MEASURES

Employees
O&M Expenses
Dry Tons Sludge to Site
Gallons Treated

OUTPUT MEASURES

Monthly Reports Produced
Annual Statistical Reports
Operational Budget Reports Produced

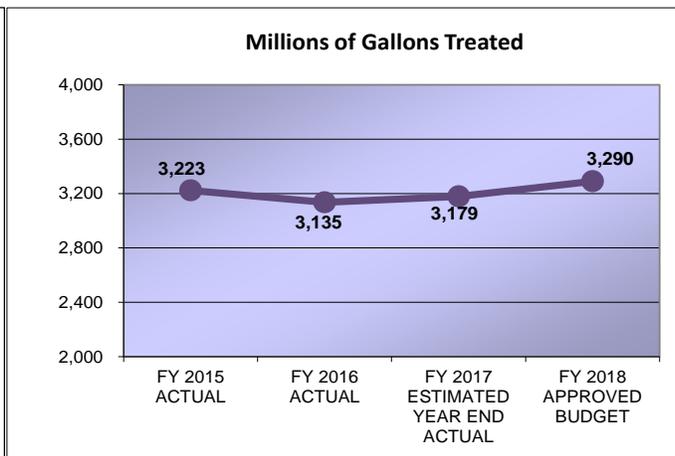
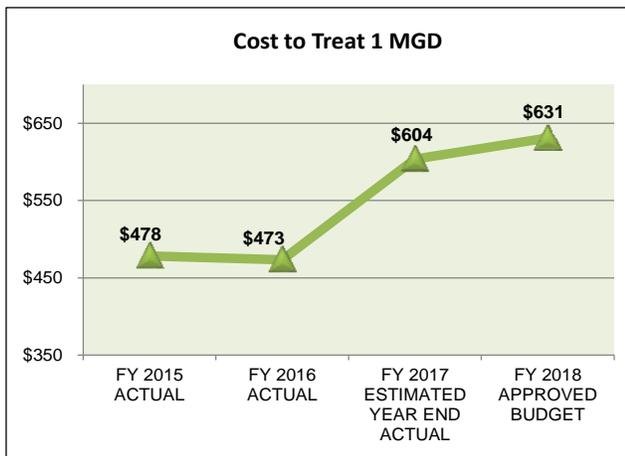
OUTCOME MEASURES

Operate Within Permit Compliance
Operate Within Approved Budget
% of CIP Projects Completed on Schedule
Cost to Treat 1 MGD

EFFICIENCY MEASURES

Average CBOD % Removal mg/l
Average TSS % Removal mg/l

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
Employees	12	11	11	17
O&M Expenses	\$ 1,541,478	\$ 1,483,391	\$ 1,919,100	\$ 2,076,176
Dry Tons Sludge to Site	1,331	1,300	1,297	1,299
Gallons Treated	3,223,379,000	3,135,047,000	3,179,213,000	3,290,030,000
OUTPUT MEASURES				
Monthly Reports Produced	18	18	18	18
Annual Statistical Reports	1	1	1	1
Operational Budget Reports Produced	12	12	12	12
OUTCOME MEASURES				
Operate Within Permit Compliance	Yes	Yes	Yes	Yes
Operate Within Approved Budget	Yes	Yes	Yes	Yes
% of CIP Projects Completed on Schedule	100%	100%	100%	100%
Cost to Treat 1 MGD	\$ 478	\$ 473	\$ 604	\$ 631
EFFICIENCY MEASURES				
Average CBOD % Removal mg/l	99.0	99.0	98.0	99.0
Average TSS % Removal mg/l	98.0	98.0	98.0	98.0



DEPARTMENT 3220 - ROBINDALE WASTEWATER TREATMENT PLANT

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 138,931	\$ 140,836	\$ 141,177	\$ 140,296	\$ 144,194	\$ 144,518
6110 Clerical staff	31,845	32,018	31,848	31,824	33,043	32,781
6115 Operational staff	212,526	252,907	254,374	237,661	470,869	458,298
6130 Overtime	58,991	20,512	32,415	22,469	91,176	40,648
6201 T.M.R.S.	63,508	60,731	76,952	72,490	130,566	113,581
6205 F.I.C.A.	26,932	26,918	27,907	25,406	43,837	39,407
6210 Medicare	6,299	6,295	6,527	5,942	10,252	9,216
6214 Dental Insurance	2,628	2,917	2,889	3,326	4,484	4,654
6215 Hospitalization insurance	64,901	71,704	80,290	96,883	139,969	144,242
6220 Life Insurance	527	592	591	464	884	716
6221 Long Term Disability Insurance	979	1,100	1,098	820	1,660	1,271
6225 Workers Compensation	11,150	11,157	11,602	10,245	18,439	15,890
6230 Vacation leave	5,687	618	(1,872)	5,045	17,968	7,691
6235 Sick leave	30,778	7,171	(11,398)	5,545	56,088	8,453
6260 Vacancy Savings	-	-	-	(31,496)	-	(48,229)
<i>O&M PERSONNEL TOTAL</i>	655,681	635,477	654,399	626,920	1,163,430	973,138
<i>O&M NON-PERSONNEL</i>						
7110 Dues & memberships	836	972	735	900	487	900
7120 Office supplies	1,832	1,221	1,246	1,100	1,483	1,600
7125 Photo equipment/supplies	16	-	-	-	-	-
7130 Postage/shipping charges	2,164	2,114	2,156	2,500	2,502	2,500
7140 Training expenses	1,070	2,930	3,586	3,500	3,734	6,630
7145 Travel expenses	511	819	1,884	1,400	1,832	2,380
7180 Utilities - departmental	531,605	577,226	563,512	514,800	494,038	514,800
7201 Barricades & signs	505	216	170	500	302	750
7203 Sand, Caliche, Gravel, Concrete etc	2,814	-	35,370	15,000	-	15,000
7210 Landscaping/Trade a Tree Program	-	-	-	-	530	-
7215 Laundry & janitorial supplies	394	355	462	600	351	800
7225 Safety supplies	1,498	1,783	1,972	2,000	3,179	3,000
7279 Ultraviolet light system expenses	-	-	-	121,430	37,308	100,930
7283 Chemicals - chlorine	22,053	-	-	-	-	-
7286 Chemicals - deodorants	-	-	463	700	-	700
7293 Chemicals - other	41,068	28,608	34,074	64,000	24,154	64,000
7299 Other materials & supplies	41,806	30,708	12,276	39,850	27,858	45,850
7315 Food, meals, ice, water	435	559	561	600	925	1,100
7325 Rental of equip/storage/land	57,746	2,558	3,518	19,350	2,587	39,350
7335 Wearing apparel & dry goods	2,879	3,381	3,573	2,800	5,010	4,600
7415 Fuels & lubricants	8,933	9,977	10,136	7,500	8,005	122,148
7515 Maint. of major equipment	8,456	26,723	42,365	42,000	28,793	42,000
7520 Maint. of minor equipment	2,055	5,933	4,386	5,000	5,319	7,500
7605 Engineering fees	-	-	1,000	-	-	-
7645 Maintenance services	93,116	120,847	63,446	52,600	46,303	52,800
7655 Hauling Services	16,616	15,625	-	1,500	-	1,500
7699 Other services	31,136	63,776	28,820	32,600	16,786	32,600
7801 Communication equipment	-	-	-	-	308	500
7810 Laboratory equipment	6,191	1,489	2,137	5,000	6,721	7,500
7820 Office furniture & equipment	1,892	298	50	1,600	1,263	1,600
7830 Pumping equipment	11,208	6,870	10,379	15,000	22,861	22,000
7899 Other minor tools & equipment	591	1,013	715	4,000	13,031	8,000
<i>O&M NON-PERSONNEL TOTAL</i>	889,426	906,001	828,992	957,830	755,670	1,103,038
	\$ 1,545,107	\$ 1,541,478	\$ 1,483,391	\$ 1,584,750	\$ 1,919,100	\$ 2,076,176



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: Noe C. Hernandez

Title: WWW Plant Maint./WW Lift Stations Manager

Telephone Ext: 6520

Dept. No: 3230

**PERFORMANCE MEASURES
FOR THE
Wastewater Lift Stations Department**

Department Function:

The Wastewater Lift Stations Department operates and maintains BPUB's Lift Stations in order to provide wastewater service to BPUB customers.

Department Goals/Objectives:

The Wastewater Lift Stations Department's objective is to provide best in class wastewater service to BPUB customers while at the same time comply with all applicable local, state, and federal regulations. Its objective is also to maintain high levels of safety measures in all of its daily operations.

INPUT MEASURES

O&M expenditures
Power expenditures
Kilo-watt-hour usage
Labor-hours*
Number of emergency mechanical repairs (LS Alarms)

OUTPUT MEASURES

Million gallons of pumped wastewater

OUTCOME MEASURES

Number of customers served
Number of customers satisfied*

EFFICIENCY MEASURES

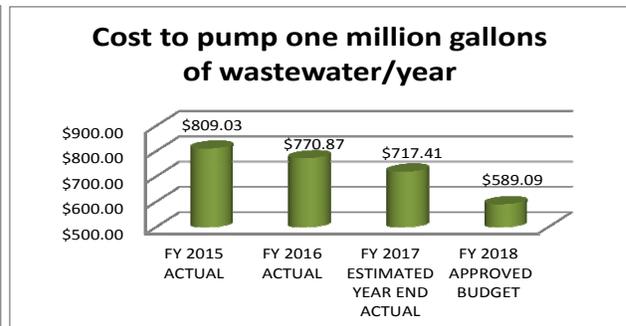
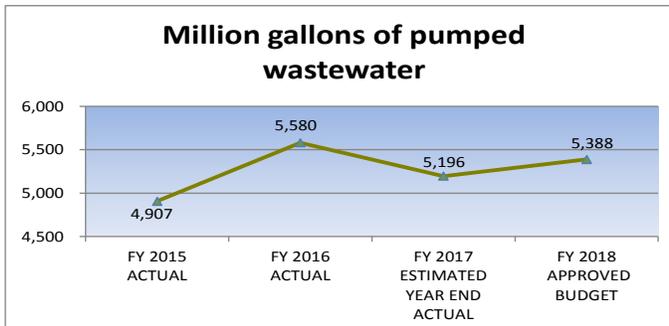
Kilo-watt-hours to pump ww from one customer/year
Labor-hours to pump ww every 1000 customer/year
Cost to pump wastewater from one customer/year
Cost to pump one million gallons of wastewater/year
Percent of satisfied customers/year
No. of emergency repairs every 1000 customers/year

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
O&M expenditures	\$ 4,018,535	\$ 4,238,506	\$ 3,999,940	\$ 3,992,302
Power expenditures	\$ 415,040	\$ 585,231	\$ 624,396	\$ 590,000
Kilo-watt-hour usage	3,835,549	4,876,548	5,202,895	5,551,081
Labor-hours*	66,006	64,480	64,480	66,560
Number of emergency mechanical repairs (LS Alarms)	191	182	209	240
Million gallons of pumped wastewater	4,907	5,580	5,196	5,388
Number of customers served	49,342	49,777	50,242	50,709
Number of customers satisfied*	49,151	49,595	50,314	50,469
Kilo-watt-hours to pump ww from one customer/year	78	98	103	109
Labor-hours to pump ww every 1000 customer/year	1,338	1,295	1,283	1,313
Cost to pump wastewater from one customer/year	\$ 80.45	\$ 86.41	\$ 73.78	\$ 62.59
Cost to pump one million gallons of wastewater/year	\$ 809.03	\$ 770.87	\$ 717.41	\$ 589.09
Percent of satisfied customers/year	99.6%	99.6%	99.6%	99.5%
No. of emergency repairs every 1000 customers/year	3.9	3.7	4.1	4.7

NOTE:

Labor-hours = Total number of actual hours worked (regular, over-time, and call-out pay)

Number of customers satisfied = Number of customers served - Number of lift station customer trouble calls



DEPARTMENT 3230 – WASTEWATER LIFT STATIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 99,629	\$ 110,630	\$ 76,834	\$ 134,701	\$ 138,812	\$ 140,171
6110 Clerical staff	15,529	25,607	25,291	24,960	26,855	27,271
6115 Operational staff	880,174	821,877	925,468	984,048	992,469	1,092,899
6130 Overtime	110,072	132,683	111,483	116,604	149,429	112,000
6201 T.M.R.S.	159,831	151,245	191,625	202,322	230,412	225,223
6205 F.I.C.A.	67,327	66,302	68,605	70,910	77,582	78,141
6206 Suta	8,843	1,715	-	-	-	-
6210 Medicare	15,746	15,506	16,045	16,584	18,144	18,275
6214 Dental Insurance	8,216	7,598	8,317	10,583	8,467	9,766
6215 Hospitalization insurance	206,404	196,669	239,519	308,427	251,025	282,821
6220 Life Insurance	1,416	1,375	1,475	1,325	1,599	1,899
6221 Long Term Disability Insurance	2,568	2,500	2,658	2,287	2,976	2,621
6225 Workers Compensation	28,063	27,775	29,001	28,593	32,567	31,509
6230 Vacation leave	20,950	2,459	5,134	13,486	6,604	15,250
6235 Sick leave	34,652	(5,766)	47,059	14,824	8,691	16,763
6240 Educational assistance	200	-	-	-	-	-
6260 Vacancy Savings	-	-	-	(86,980)	-	(95,530)
<i>O&M PERSONNEL TOTAL</i>	1,659,619	1,558,174	1,748,514	1,842,674	1,945,631	1,959,078
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	282	256	-	150	-	150
7110 Dues & memberships	1,275	1,807	875	1,500	2,846	2,100
7120 Office supplies	2,781	3,391	2,676	2,500	3,567	3,500
7130 Postage/shipping charges	40	714	140	1,065	646	1,100
7140 Training expenses	810	2,125	8,375	5,530	4,250	6,630
7145 Travel expenses	736	310	3,755	1,960	1,265	2,244
7180 Utilities - departmental	470,573	523,497	498,298	490,000	484,203	490,000
7190 Utilities - CP&L & Mvec	108,890	105,438	98,532	100,000	90,665	100,000
7203 Sand, Caliche, Gravel, Concrete etc	2,775	1,277	-	3,500	3,808	4,300
7225 Safety supplies	3,352	4,066	2,494	4,000	9,580	9,800
7286 Chemicals - deodorants	4,504	6,413	7,225	6,556	8,922	11,700
7293 Chemicals - other	1,254,929	1,093,602	1,198,326	526,230	828,734	577,000
7299 Other materials & supplies	81,490	118,177	119,099	131,104	83,761	120,000
7315 Food, meals, ice, water	898	929	992	1,041	950	1,100
7325 Rental of equip/storage/land	7,814	6,062	25,348	20,900	18,440	28,100
7335 Wearing apparel & dry goods	8,978	12,632	12,343	12,000	13,593	12,000
7415 Fuels & lubricants	106,120	76,757	53,599	73,689	64,581	73,700
7505 Maint. of communication equipment	1,073	341	619	1,300	182	1,700
7515 Maint. of major equipment	15,430	20,394	-	-	-	-
7574 Maintenance of wells	3,617	2,673	12,053	14,000	10,870	16,400
7605 Engineering fees	72,163	100,043	96,333	100,000	75,180	100,000
7645 Maintenance services	188,068	190,145	181,846	181,521	152,685	215,000
7801 Communication equipment	227	-	-	-	-	-
7805 Computer equipment	750	1,044	780	490	266	500
7820 Office furniture & equipment	3,297	2,076	459	495	963	1,500
7830 Pumping equipment	149,940	163,128	146,814	150,000	176,184	227,800
7835 Tools, shop and garage equipment	7,608	9,034	6,865	2,083	1,924	4,400
7899 Other minor tools & equipment	12,962	14,031	12,145	15,491	16,246	22,500
<i>O&M NON-PERSONNEL TOTAL</i>	2,511,383	2,460,361	2,489,992	1,847,105	2,054,309	2,033,224
	\$ 4,171,002	\$ 4,018,535	\$ 4,238,506	\$ 3,689,779	\$ 3,999,940	\$ 3,992,302



Department Responsibility: David Ramirez Jr, P.E.
 Department Manager: Acting Engineering Manager
 Telephone Ext: 6570
 Dept. No: 3310

**PERFORMANCE MEASURES
 FOR THE
 WATER & WASTEWATER ENGINEERING DEPARTMENT**

Department Function:

Department facilitates new water and wastewater connections; approves subdivision plats and commercial site plans in cooperation with the City; performs and oversees planning, design, inspection, and construction of water and wastewater infrastructure projects and BPUB Facilities Improvements. The department provides engineering services to raw water, water treatment plants, wastewater treatment plants, lift stations, and construction and operations in order to complete various projects. The department also facilitates grants, compiles information related to the Semi-Annual Report for the Impact Fee Program, and protects the public drinking water system through the prevention of cross connections.

Department Goals/Objectives:

1) To produce accurate cost estimates to customers in order to obtain new water and/or sewer service connections in a timely manner. 2) To produce reviews for the City in order to approve subdivisions and commercial site plans in compliance with BPUB Service Policies. 3) To provide internal data to outside consultants/contractors in order to complete planning, design, and construction projects with accuracy. 4) To perform construction inspection for contractors in order to accept and approve water and wastewater infrastructure. 5) To produce engineering reports, plans, specifications, and cost estimates for water and sewer facilities. 6) To help obtain grants to fund infrastructure projects. 7) To ensure the safety of the public water supply by preventing cross connections through public education and compliance enforcement.

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
INPUT MEASURES				
W/WW Engineering - Number of Engineers/Senior Coordinators	8	8	9	9
W/WW Engineering - Number of Field Coordinators/Inspectors	4	4	3	3
OUTPUT MEASURES				
W/WW Engineering - Number of Projects Facilitated.	35	50	70	70
W/WW Engineering - Number of Subdivision/Plats Reviewed*	0	53	47	50
OUTCOME MEASURES				
W/WW Engineering - Total Value of Projects in Millions \$	\$36.00	\$42.00	\$38.00	\$40.00
W/WW Engineering - W/WW Impact Fees Invoiced in Millions \$	\$0.00	\$1.42	\$0.61	\$0.70
EFFICIENCY MEASURES				
W/WW Engineering - Dollars in Millions Facilitated per Employee on Projects	\$ 3.00	\$ 3.50	\$ 3.17	\$ 3.33
W/WW Engineering - Amount of Subdivisions Reviewed per Employee				

INPUT MEASURES

W/WW Engineering - Number of Engineers/Senior Coordinators
W/WW Engineering - Number of Field Coordinators/Inspectors

OUTPUT MEASURES

W/WW Engineering - Number of Projects Facilitated.
W/WW Engineering - Number of Subdivision/Plats Reviewed*

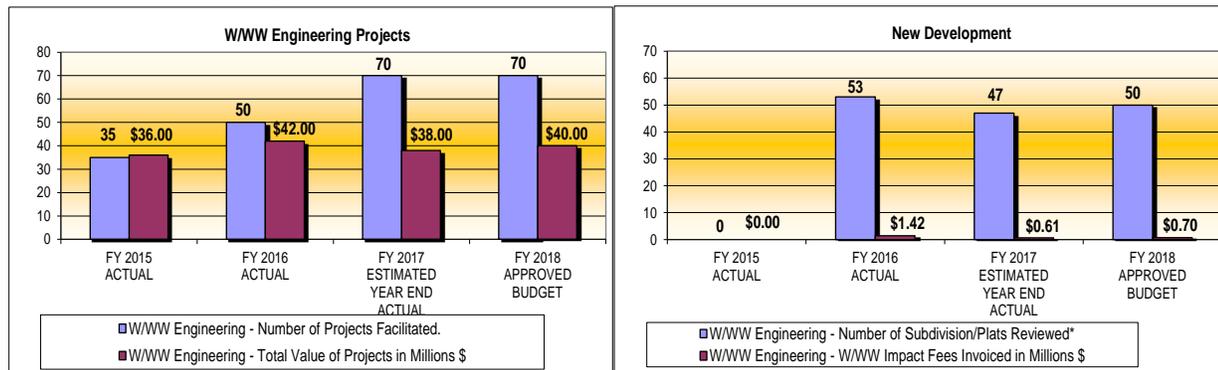
OUTCOME MEASURES

W/WW Engineering - Total Value of Projects in Millions \$
W/WW Engineering - W/WW Impact Fees Invoiced in Millions \$

EFFICIENCY MEASURES

W/WW Engineering - Dollars in Millions Facilitated per Employee on Projects
W/WW Engineering - Amount of Subdivisions Reviewed per Employee

*Note-Two Senior Coordinators review all Subdivisions/Plats



DEPARTMENT 3310 - WATER & WASTEWATER ENGINEERING

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 152,265	\$ 58,295	\$ 61,969	\$ 60,004	\$ 67,683	\$ 110,248
6105 Administrative Staff	394,270	373,765	271,118	380,253	281,399	343,792
6110 Clerical staff	220,849	168,066	109,873	134,322	79,561	137,858
6115 Operational staff	-	5,534	-	-	-	-
6130 Overtime	1,075	2,452	1,244	3,112	415	1,500
6140 Severance Pay	5,856	-	-	-	-	-
6201 T.M.R.S.	113,028	89,119	74,224	101,643	78,334	105,772
6205 F.I.C.A.	47,174	39,057	26,765	35,624	26,243	36,698
6206 Suta	8,701	-	-	-	-	-
6210 Medicare	11,033	9,134	6,260	8,331	6,137	8,583
6214 Dental Insurance	3,672	2,978	1,943	3,024	1,897	2,790
6215 Hospitalization insurance	106,557	85,170	57,707	90,001	60,935	87,211
6220 Life Insurance	1,014	814	580	596	540	1,131
6221 Long Term Disability Insurance	1,992	1,570	1,145	1,149	879	1,291
6225 Workers Compensation	20,150	17,837	11,552	14,364	11,296	14,797
6230 Vacation leave	8,420	4,592	(5,717)	6,929	3,948	7,162
6235 Sick leave	(3,704)	6,175	(11,376)	7,616	2,929	7,872
6240 Educational assistance	-	-	-	-	(829)	-
6260 Vacancy Savings	-	-	-	(41,368)	-	(42,509)
<i>O&M PERSONNEL TOTAL</i>	<u>1,092,351</u>	<u>864,556</u>	<u>607,287</u>	<u>805,601</u>	<u>621,368</u>	<u>824,197</u>
<i>O&M NON-PERSONNEL</i>						
7101 Advertising	1,491	1,159	-	-	-	-
7105 Books & periodicals	740	2,317	1,500	2,003	1,356	2,003
7110 Dues & memberships	1,704	1,874	665	1,220	642	1,216
7115 Educational material	266	-	300	300	-	300
7120 Office supplies	11,496	9,619	9,676	12,000	11,688	17,200
7125 Photo equipment/supplies	-	-	465	-	-	800
7130 Postage/shipping charges	1,176	321	937	800	332	800
7140 Training expenses	4,497	3,518	111	7,720	2,795	7,620
7145 Travel expenses	4,053	1,294	804	4,900	5,874	4,050
7225 Safety supplies	436	350	495	1,000	905	1,000
7299 Other materials & supplies	683	1,120	953	1,500	1,434	2,000
7315 Food, meals, ice, water	1,198	1,372	940	1,450	745	1,450
7325 Rental of equip/storage/land	11,985	8,204	10,069	14,000	7,855	14,158
7330 Right of way fees	6,292	-	-	-	-	-
7335 Wearing apparel & dry goods	2,239	2,015	1,502	2,000	2,121	1,810
7415 Fuels & lubricants	21,029	14,678	10,507	17,000	10,559	17,000
7505 Maint. of communication equipment	-	-	-	400	-	400
7605 Engineering fees	90,253	44,274	172,130	85,000	36,798	110,000
7635 Software maintenance service fees	1,415	1,415	-	-	-	-
7645 Maintenance services	-	175	555	1,000	535	1,000
7699 Other services	208	2,497	30,622	25,000	-	24,694
7801 Communication equipment	162	209	-	400	-	400
7805 Computer equipment	179	179	218	-	282	3,480
7820 Office furniture & equipment	971	525	974	1,600	1,297	4,202
7899 Other minor tools & equipment	3,149	-	1,235	-	-	2,453
<i>O&M NON-PERSONNEL TOTAL</i>	<u>165,623</u>	<u>97,116</u>	<u>244,656</u>	<u>179,293</u>	<u>85,219</u>	<u>218,035</u>
	\$ 1,257,974	\$ 961,672	\$ 851,943	\$ 984,894	\$ 706,587	\$ 1,042,232



**B R O W N S V I L L E
P U B L I C U T I L I T I E S B O A R D**



Department Responsibility:	Fernando Saenz
Title:	Assistant General Manager & COO
Telephone Ext:	6266
Dept. No:	4105

**PERFORMANCE MEASURES
FOR THE
OPERATIONS DEPARTMENT**

Department Function:

The Assistant General Manager & Chief Operating Officer (AGM & COO) is the executive officer of the Brownsville PUB, which serves as the Assistant General Manager and which has responsibility for the operational functions of all the utilities. It is the AGM & COO's responsibility to support the General Manager & CEO to execute the plans and decisions of the Board, thereby directing and coordinating the activities of all utility employees. The AGM & COO ensures that all policies and resolutions passed by the Board are enforced and duly administered. In addition, the AGM & COO informs the General Manager & CEO and the Board of legislative matters, capital improvements, budget items, policies, and services offered to customers. The Director of Electrical Systems, Director of Operational Support Services, Director of Water/Wastewater Engineering, Planning & Operations, Energy Risk Manager and NERC Compliance Manager & Chief Compliance Officer directly report to the AGM & COO.

Department Goals/Objectives:

The department's objectives are to provide our customers, both internally and externally, with economical, reliable, and friendly service. To efficiently direct all aspects of the utility systems. To effectively direct Strategic Planning efforts in order to coordinate and prioritize goals and objectives. Identify, select, and retain a professional management team. Recognize constraints and limitations of State and Industry guidelines in addition to other applicable rules and regulations. Conduct periodic staff meetings and workshops.

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ -	\$ 120,195	\$ 211,413	\$ 210,018	\$ 258,891	\$ 264,992
6105 Administrative Staff	4,904	72,697	-	-	-	-
6110 Clerical staff	-	3,050	44,999	43,846	45,865	45,157
6130 Overtime	-	191	1,403	-	1,646	977
6201 T.M.R.S.	695	27,206	43,956	44,909	55,990	55,424
6205 F.I.C.A.	305	9,516	9,901	15,740	10,452	19,229
6210 Medicare	71	2,944	3,744	3,681	4,483	4,497
6214 Dental Insurance	19	436	535	605	543	558
6215 Hospitalization insurance	370	10,900	20,233	23,535	21,146	21,725
6220 Life Insurance	8	246	323	246	367	296
6221 Long Term Disability Insurance	17	510	673	508	784	620
6225 Workers Compensation	148	7,253	6,657	6,347	7,910	7,754
6230 Vacation leave	361	20,847	(6,125)	3,072	11,125	3,753
6235 Sick leave	361	77,902	780	3,376	19,947	4,125
6242 Auto Benefits	-	7,212	7,492	7,500	8,827	9,000
6243 Telephone Benefits	-	-	582	-	1,680	1,680
6250 Miscellaneous personnel benefits	1,000	-	-	-	-	-
6260 Vacancy Savings	-	-	-	(17,416)	-	(21,013)
<i>O&M PERSONNEL TOTAL</i>	<i>8,259</i>	<i>361,104</i>	<i>346,567</i>	<i>345,965</i>	<i>449,659</i>	<i>418,774</i>

DEPARTMENT 4105 – OPERATIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	68	-	200	-	200
7110 Dues & memberships	-	374	371	685	433	500
7120 Office supplies	229	662	2,360	1,000	2,204	1,500
7130 Postage/shipping charges	-	-	83	350	-	350
7135 Telephone expenses	266	90	169	500	-	500
7140 Training expenses	-	4,830	1,030	5,600	1,990	5,600
7145 Travel expenses	452	16,601	12,511	20,700	12,504	10,700
7225 Safety supplies	-	176	10	-	-	-
7299 Other materials & supplies	-	-	14	-	50	-
7315 Food, meals, ice, water	-	39	388	200	662	500
7601 Legal Fees	53,666	208,206	260,295	175,000	301,876	250,000
7699 Other services	-	-	385	-	15	-
7805 Computer equipment	1,390	1,009	1,412	750	80	750
7820 Office furniture & equipment	-	-	820	-	-	-
<i>O&M NON-PERSONNEL TOTAL</i>	56,002	232,054	279,847	204,985	319,814	270,600
	\$ 64,261	\$ 593,158	\$ 626,414	\$ 550,950	\$ 769,473	\$ 689,374



**B R O W N S V I L L E
P U B L I C U T I L I T I E S B O A R D**



Department Responsibility: Lina Alvarez
Title: Energy Risk Manager
Telephone Ext: 6378
Dept. No: 4110

**PERFORMANCE MEASURES
FOR THE
ENERGY RISK MANAGEMENT DEPARTMENT**

Department Function:

Energy Risk Management Department (ERM) independently monitors and reports the execution of energy risk management activities results inclusive of energy transactions, new generation resources risk exposure and evaluation of new strategies to the Risk Oversight Committee. Also, ERM reviews, processes, and directs new opportunities for long-term power and incremental blocks of energy strategies needed. Perform calculations of risk exposure for the sources of risk identified in the ERM policy using ROC-approved risk measurement methods (if any are necessary). Temporarily adjust hedging and trading limits in order to reduce risk exposure of the organization in response to unusual adverse changes in market or operating conditions on an as-needed basis. Perform stress testing of the portfolio to determine the potential impacts on organizational financial measures that could be caused by large, unexpected price movements.

Department Goals/Objectives:

Goals include third party external auditing of the power marketer provider. Reports that include power and gas price volatility and future curve projections to the Risk Oversight Committee. The Brownsville PUB Board has requested for Brownsville PUB staff to procure/negotiate required energy to meet the native load demands and projections with least risk exposure possible.

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
INPUT MEASURES				
O&M expenditures	\$ 189,885	\$ 236,168	\$ 160,315	\$ 242,376
OUTPUT MEASURES:				
ERM Reports (monthly) produced	12	24	24	24
Audits Produced	1	1		1
Developed Energy Risk Analysis	2	4	4	4
Energy Risk Management Policy Updated	1	1	1	1
Review of Other Energy Risk Management Policies	7	7		7
Review of Load Forecast, Generation Resource Availability & Costs	5	5	5	5
OUTCOME MEASURES				
Transaction accountability review	yes	yes	yes	yes
Increase Energy Risk Management Analysis	yes	yes	yes	yes
Establish frequent policy review	yes	yes	yes	yes
Establish a ERM Software	yes	yes	yes	yes

DEPARTMENT 4110 – ENERGY RISK MANAGEMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 37,536	\$ 100,636	\$ 92,618	\$ 161,949	\$ 103,456	\$ 88,837
6201 T.M.R.S.	5,323	13,778	15,443	28,649	18,256	15,875
6205 F.I.C.A.	2,321	6,200	5,739	10,041	6,354	5,508
6210 Medicare	543	1,450	1,342	2,348	1,486	1,288
6214 Dental Insurance	118	322	289	605	324	279
6215 Hospitalization insurance	2,383	6,915	6,565	18,449	8,035	6,167
6220 Life Insurance	47	131	121	163	138	89
6221 Long Term Disability Insurance	96	266	246	324	284	178
6225 Workers Compensation	938	2,516	2,319	4,049	2,582	2,221
6230 Vacation leave	15,849	(11,412)	4,592	1,044	(4,673)	1,075
6235 Sick leave	20,082	(11,415)	12,513	1,147	(18,447)	1,182
6260 Vacancy Savings	-	-	-	(5,857)	-	(6,022)
<i>O&M PERSONNEL TOTAL</i>	<u>85,236</u>	<u>109,387</u>	<u>141,787</u>	<u>222,910</u>	<u>117,795</u>	<u>116,676</u>
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	234	500	-	500
7110 Dues & memberships	-	45	116	500	236	500
7120 Office supplies	77	611	84	1,500	179	1,500
7130 Postage/shipping charges	-	150	-	600	-	300
7140 Training expenses	-	2,049	1,706	1,800	500	4,000
7145 Travel expenses	356	5,642	2,795	5,000	1,436	5,000
7225 Safety supplies	-	-	-	-	91	-
7299 Other materials & supplies	-	-	113	-	356	400
7315 Food, meals, ice, water	-	189	89	500	63	500
7699 Other services	-	70,265	87,455	50,000	39,400	100,000
7805 Computer equipment	-	1,547	-	1,200	260	4,000
7806 Software licenses-new	-	-	1,392	3,000	-	8,000
7820 Office furniture & equipment	-	-	398	1,100	-	1,000
<i>O&M NON-PERSONNEL TOTAL</i>	<u>433</u>	<u>80,498</u>	<u>94,381</u>	<u>65,700</u>	<u>42,520</u>	<u>125,700</u>
	\$ 85,669	\$ 189,885	\$ 236,168	\$ 288,610	\$ 160,315	\$ 242,376



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility:	Gustavo C. Leal
Title:	NERC Compliance Manager & CCO
Telephone Ext:	6314
Dept. No:	4210

**PERFORMANCE MEASURES
FOR THE
NERC Compliance Department**

Department Function:

The NERC Compliance Department is primarily responsible for overseeing and managing the Brownsville Public Utilities Board NERC Compliance Program. The department is also responsible for ensuring that the different applicable company departments and its employees are in compliance with regulatory requirements and BPUB internal policies and procedures pertaining to this program.

Department Goals/Objectives:

The NERC Compliance Department goals and objectives are to ensure that BPUB complies with all applicable FERC, NERC and ERCOT protocols and regulations, and to continually and proactively review its operations and activities to comply with applicable standards and requirements.

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
INPUT MEASURES				
Number of Employees	3	5	5	5
O&M Personnel Expense	\$ 230,673	\$ 342,835	\$ 453,418	\$ 451,159
O&M Non-Personnel Expense	\$ 114,715	\$ 58,240	\$ 64,131	\$ 107,150
OUTPUT MEASURES				
Yearly Misoperations Submittals	4	4	4	4
Number of 693 Policies and Procedures Reviewed	44	44	51	60
Number of CIP Policies and Procedures Reviewed	40	40	45	10
Quarterly Awareness Submittals for Employees with access to CCAs	4	4	4	4
Quarterly Employee Verification Submittals for Authorized Personnel	4	4	4	4
Total Number of Training Hours for Online SOS & CIP Cyber Security	118	118	316	238
Number of NERC requirements ERCOT protocols and operating guides sections	827	827	1294	1796
	35	35	35	35
OUTCOME MEASURES				
Number of Trainings to Provide	2	2	3	2
Review of NERC Responsibility Matrix	2	2	2	2
EFFICIENCY MEASURES				
% of NERC Compliance	100%	100%	100%	100%
% of Trainings Completed	100%	100%	100%	100%

DEPARTMENT 4210 – NERC COMPLIANCE

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ -	\$ 11,258	\$ 104,954	\$ 104,541	\$ 107,563	\$ 108,139
6105 Administrative Staff	50,692	123,651	126,219	174,262	174,246	190,694
6110 Clerical staff	-	-	13,779	28,891	29,792	29,765
6130 Overtime	-	-	81	313	214	312
6201 T.M.R.S.	7,188	18,342	40,905	54,431	55,142	58,721
6205 F.I.C.A.	3,123	8,189	14,747	19,077	18,745	20,373
6210 Medicare	730	1,915	3,449	4,462	4,384	4,765
6214 Dental Insurance	220	577	950	1,512	1,284	1,395
6215 Hospitalization insurance	4,221	13,213	28,511	43,913	38,804	42,729
6220 Life Insurance	69	177	325	315	411	339
6221 Long Term Disability Insurance	136	350	649	615	827	657
6225 Workers Compensation	1,267	3,373	6,186	7,692	7,789	8,215
6230 Vacation leave	4,086	13,498	1,686	3,723	5,145	3,976
6235 Sick leave	8,824	36,128	393	4,092	9,072	4,370
6260 Vacancy Savings	-	-	-	(21,918)	-	(23,290)
<i>O&M PERSONNEL TOTAL</i>	<u>80,558</u>	<u>230,673</u>	<u>342,835</u>	<u>425,922</u>	<u>453,418</u>	<u>451,159</u>
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	300	-	500	88	500
7110 Dues & memberships	-	-	45	500	45	300
7120 Office supplies	-	1,867	2,225	1,200	1,240	3,000
7130 Postage/shipping charges	-	-	-	150	-	150
7135 Telephone expenses	-	-	-	650	-	500
7140 Training expenses	-	405	6,375	5,000	4,105	6,000
7145 Travel expenses	1,062	12,848	9,335	15,000	12,709	10,000
7225 Safety supplies	-	-	-	-	-	200
7304 Hurricane Preparedness Expenses	-	-	-	750	127	500
7305 ERCOT expenses	-	95,656	37,673	75,000	43,216	75,000
7315 Food, meals, ice, water	-	1,606	222	500	609	700
7325 Rental of equip/storage/land	-	290	231	-	24	300
7415 Fuels & lubricants	-	-	48	-	-	-
7635 Software maintenance service fees	-	-	-	5,000	-	3,000
7699 Other services	-	28	-	-	-	-
7805 Computer equipment	-	-	99	2,000	1,133	2,000
7806 Software licenses-new	-	-	-	4,000	-	3,000
7820 Office furniture & equipment	-	1,714	1,989	3,000	834	2,000
<i>O&M NON-PERSONNEL TOTAL</i>	<u>1,062</u>	<u>114,715</u>	<u>58,240</u>	<u>113,250</u>	<u>64,131</u>	<u>107,150</u>
	\$ 81,620	\$ 345,388	\$ 401,075	\$ 539,172	\$ 517,549	\$ 558,309



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: Cassandra Rosales
Title: Fuel & Purchased Energy Manager
Telephone Ext: 6312
Dept. No: 4220

**PERFORMANCE MEASURES
FOR THE
FUEL & PURCHASED ENERGY SUPPLY DEPARTMENT**

Department Function:

The department is responsible for the energy accounting including power production costs, energy sales, calculations for the fuel and energy purchase charge and analyzing, reconciling and settlement of TCOS and fuel & energy supply invoices for the Silas Ray, Hidalgo, Oklaunion power plants and the Sendero Wind Farm. Other functions include requests for proposals, requests for qualifications, departmental budgeting, analyzing operational data, such as system load demand and generation capacity to meet BPUB requirements. The department also monitors generation unit efficiencies to comply with ERCOT market changes and maintain Fuel and Energy contracts for the reliability of the electrical system.

Department Goals/Objectives:

The departments' goal is to ensure that adequate fuel and energy supplies are available on a short and long term basis and to maintain cost efficient energy and fuel purchases for the BPUB load demand and generation fleet.

INPUT MEASURES

Employees
 O&M Personnel Expense
 O&M Non-Personnel Expense

OUTPUT MEASURES

Fuel & Energy Invoices/Transactions Processed
 Fuel & Energy Contracts Maintained
 Fuel & Energy Data Modeling
 Congestion Revenue Rights Auction Participation

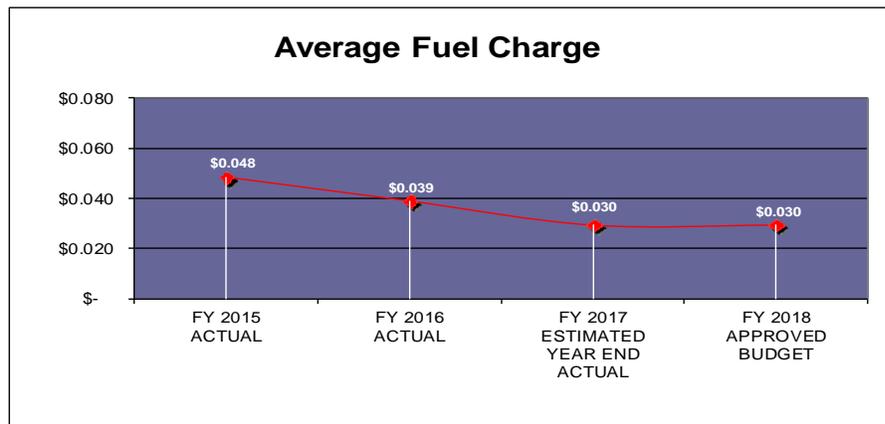
OUTCOME MEASURES

Fuel & Energy Reports
 Fuel & Purchase Energy Charge Projections
 Load and Capacity Forecast
 Congestion Revenue Rights Auctions Awarded

EFFICIENCY MEASURES

% of Fuel & Energy Requirements Met
 % of Fuel & Energy Invoices Processed
 % of Fuel & Energy Contracts Maintained
 Average Fuel Charge

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
Employees	1	2	2	2
O&M Personnel Expense	\$ 167,158	\$ 166,896	\$ 186,318	\$ 183,829
O&M Non-Personnel Expense	\$ 59,267,251	\$ 51,828,764	\$ 58,308,572	\$ 57,354,300
Fuel & Energy Invoices/Transactions Processed	741	787	784	771
Fuel & Energy Contracts Maintained	7	8	8	8
Fuel & Energy Data Modeling	12	12	12	57
Congestion Revenue Rights Auction Participation	13	14	15	25
Fuel & Energy Reports	27	43	46	53
Fuel & Purchase Energy Charge Projections	12	12	12	12
Load and Capacity Forecast	19	13	15	17
Congestion Revenue Rights Auctions Awarded	5	9	10	11
% of Fuel & Energy Requirements Met	100%	100%	100%	100%
% of Fuel & Energy Invoices Processed	100%	100%	100%	100%
% of Fuel & Energy Contracts Maintained	100%	100%	100%	100%
Average Fuel Charge	\$ 0.048	\$ 0.039	\$ 0.030	\$ 0.030



DEPARTMENT 4220 – FUEL & PURCHASED ENERGY SUPPLY

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 11,142	\$ 66,064	\$ 61,475	\$ -	\$ 57,374	\$ 71,760
6105 Administrative Staff	37,632	44,164	61,285	65,811	60,495	58,947
6201 T.M.R.S.	6,916	14,954	20,273	11,642	20,870	23,357
6205 F.I.C.A.	2,850	6,407	7,114	4,080	6,809	8,104
6210 Medicare	667	1,498	1,664	954	1,592	1,895
6214 Dental Insurance	212	492	520	302	491	558
6215 Hospitalization insurance	7,267	16,685	19,612	11,768	19,108	21,725
6220 Life Insurance	64	151	160	68	149	135
6221 Long Term Disability Insurance	125	298	315	132	300	261
6225 Workers Compensation	1,219	2,756	3,073	1,645	2,947	3,268
6230 Vacation leave	1,329	7,252	(5,607)	1,489	5,551	1,582
6235 Sick leave	2,848	6,436	(2,988)	1,636	10,632	1,738
6260 Vacancy Savings	-	-	-	(9,063)	-	(9,501)
<i>O&M PERSONNEL TOTAL</i>	<i>72,270</i>	<i>167,158</i>	<i>166,896</i>	<i>90,464</i>	<i>186,318</i>	<i>183,829</i>
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	3,040	3,070	3,500	3,390	3,500
7110 Dues & memberships	-	2,000	2,000	2,200	2,000	1,700
7120 Office supplies	-	1,531	1,452	1,800	782	1,800
7130 Postage/shipping charges	-	-	-	200	24	200
7135 Telephone expenses	-	-	-	750	-	500
7140 Training expenses	-	-	1,596	2,000	1,596	-
7145 Travel expenses	186	-	1,445	1,600	908	-
7304 Hurricane Preparedness Expenses	-	-	-	200	-	200
7305 ERCOT expenses	-	1,051,289	75,379	900,000	514,037	900,000
7315 Food, meals, ice, water	-	269	44	500	25	500
7325 Rental of equip/storage/land	-	-	-	-	-	300
7601 Legal Fees	-	-	-	75,000	-	75,000
7605 Engineering fees	-	-	-	15,000	4,524	25,000
7701 Fuel - Natural gas - Silas Ray	-	1,360,321	644,625	1,000,000	1,055,280	1,000,000
7702 Fuel - Natural Gas - Hidalgo Energy	-	9,210,195	7,768,473	6,500,000	9,445,793	8,000,000
7704 Fuel - TETCO/Hinshaw Pipeline	-	619,795	600,647	600,000	576,365	650,000
7705 Fuel - Coal - Oklaunion	-	6,940,676	7,500,314	5,500,000	6,438,501	5,000,000
7706 Fuel-Diesel-Distributed Generation	-	-	-	35,000	-	35,000
7707 Fuel - Diesel oil - Oklaunion	-	149,218	171,250	200,000	151,082	150,000
7708 Fuel-Natural Gas Transp-Silas Ray	-	50,465	53,643	100,000	83,349	100,000
7714 Pchp - Wind Resources	-	-	8,915,000	10,000,000	10,646,707	10,500,000
7720 Pchp - Resource Imbalance	-	3,183,248	789,572	2,500,000	1,480,994	1,500,000
7721 Pchp - Economy power	-	20,437,471	8,984,607	10,000,000	8,677,121	11,000,000
7726 Pchp - Bilateral Energy Expns-Gas	-	-	-	100,000	-	10,000
7727 Pchp - Bilateral Energy-Gas Transp	-	-	-	50,000	-	1,000
7728 Pchp - Bilateral Energy Exp-Coal	-	-	-	25,000	-	10,000
7729 Pchp - TCOS (Wheeling)	-	7,634,407	7,935,284	7,800,000	8,306,160	8,700,000
7733 Pchp - Bilateral Ancillary Services	-	1,720,538	1,198,774	1,800,000	1,227,881	1,500,000
7736 Pchp - QSE Charges	-	312,000	383,500	400,000	599,050	400,000
7737 Pchp - Ercot Charges	-	965,295	1,046,865	1,200,000	1,265,214	1,400,000
7738 Pchp - CSC Congestion Cost (CSCBE)	-	2,429,637	927,058	1,700,000	3,748,985	1,500,000
7740 Power marketing services	-	413,200	283,249	500,000	143,929	300,000
7750 Pchp - Real Time Energy - Wind	-	-	-	-	903,210	700,000
7751 Pchp - Reliability Unit Cmt Exp-Gas	-	23,142	98,846	150,000	99,641	150,000
7752 Pchp - Reliab Unit Cmt - Gas Transp	-	3,905	12,632	50,000	6,953	15,000
7753 Pchp - Day Ahead Energy Exp-Gas	-	1,056,932	848,692	1,400,000	70,284	500,000
7754 Pchp - Day Ahead Energy-Gas Transp	-	58,030	94,746	150,000	6,558	50,000
7755 Pchp - Real Time Energy Exp-Gas	-	974,961	1,668,337	1,400,000	1,619,780	1,500,000
7756 Pchp - Real Time Energy-Gas Transp	-	116,279	171,278	150,000	129,061	150,000
7757 Pchp - Reliab Unit Cmt - Coal	-	-	-	50,000	-	10,000
7758 Pchp - Day Ahead Energy-Coal	-	-	-	50,000	-	10,000
7759 Pchp - Real Time Energy-Coal	-	547,869	1,641,154	325,000	1,098,691	1,500,000
7805 Computer equipment	-	1,058	40	1,800	-	1,900
7806 Software licenses-new	-	-	5,190	-	-	-
7820 Office furniture & equipment	-	480	-	4,200	700	2,700
<i>O&M NON-PERSONNEL TOTAL</i>	<i>186</i>	<i>59,267,251</i>	<i>51,828,764</i>	<i>54,743,750</i>	<i>58,308,572</i>	<i>57,354,300</i>
	\$ 72,456	\$ 59,434,409	\$ 51,995,660	\$ 54,834,214	\$ 58,494,890	\$ 57,538,129



**B R O W N S V I L L E
P U B L I C U T I L I T I E S B O A R D**



Department Responsibility: Fernando Saenz
Title: Assistant GM & COO
Telephone Ext: 6266
Dept. No: 4230

**PERFORMANCE MEASURES
FOR THE
NATURAL GAS UTILITY MANAGEMENT DEPARTMENT**

Department Function:

The department is responsible for the management of the transmission of natural gas to the proposed Brownsville Generating Station.

Department Goals/Objectives:

The Department will ensure adequate supply of natural gas and compliance with all applicable federal, state, and local laws and regulations.

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	\$ -	\$ -	\$ -	\$ 250	\$ -	\$ 250
7120 Office supplies	-	-	-	1,500	-	1,500
7130 Postage/shipping charges	-	-	-	350	-	350
7315 Food, meals, ice, water	-	-	-	500	-	500
7605 Engineering fees	-	-	-	25,000	-	25,000
<i>O&M NON-PERSONNEL TOTAL</i>	-	-	-	27,600	-	27,600
	\$ -	\$ -	\$ -	\$ 27,600	\$ -	\$ 27,600

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**B R O W N S V I L L E
P U B L I C U T I L I T I E S B O A R D**

Department Responsibility: Jaime Estrada
Title: Director of Operational Support Services
Telephone Ext: 6218
Dept. No: 4310

**PERFORMANCE MEASURES
FOR THE
OPERATIONAL SUPPORT SERVICES**

Department Function:

The Operational Support Services Department is responsible for defining, implementing, managing, and communicating the effective execution of operational strategies, processes, and programs for the G.I.S., Fleet Management, SCADA & Electrical Support Services, Wastewater Treatment Plants, Resaca Maintenance, Raw Water Supply, Water Plants and SRWA.

Department Goals/Objectives:

The department's objectives are to provide our customers, both internally and externally, with economical, reliable, and friendly service. To effectively direct Strategic Planning efforts in order to coordinate and prioritize goals and objectives. Recognize constraints and limitations of State and Industry guidelines in addition to other applicable rules and regulations. Conduct periodic staff meetings and workshops.

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 23,155	\$ 68,387	\$ 319,191	\$ 332,524	\$ 361,573	\$ 370,843
6110 Clerical staff	-	30,626	36,080	35,360	36,671	36,421
6130 Overtime	-	1,183	796	1,020	1,158	1,051
6201 T.M.R.S.	3,283	13,614	61,145	65,079	72,198	72,778
6205 F.I.C.A.	1,505	5,632	20,069	22,809	22,855	25,250
6210 Medicare	352	1,476	5,184	5,334	5,753	5,905
6214 Dental Insurance	44	379	960	1,134	1,065	1,116
6215 Hospitalization insurance	1,524	10,800	31,069	37,595	35,215	36,871
6220 Life Insurance	24	134	442	364	503	401
6221 Long Term Disability Insurance	50	268	907	736	1,050	815
6225 Workers Compensation	1,394	4,538	9,140	9,197	10,201	10,182
6230 Vacation leave	11,375	(1,018)	9,790	4,451	2,117	4,928
6235 Sick leave	48,463	2,754	54,917	4,893	915	5,417
6242 Auto Benefits	2,885	7,500	7,493	7,500	7,500	7,500
6243 Telephone Benefits	646	1,680	1,679	1,680	1,680	1,680
6260 Vacancy Savings	-	-	-	(25,426)	-	(28,029)
<i>O&M PERSONNEL TOTAL</i>	<u>94,700</u>	<u>147,953</u>	<u>558,860</u>	<u>504,250</u>	<u>560,453</u>	<u>553,129</u>

DEPARTMENT 4310 – OPERATIONAL SUPPORT SERVICES

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	200	-	200
7110 Dues & memberships	-	45	107	765	1,095	265
7115 Educational material	-	-	-	500	-	500
7120 Office supplies	-	1,511	1,939	2,000	1,674	2,000
7130 Postage/shipping charges	-	-	160	200	70	200
7140 Training expenses	-	-	1,510	3,835	900	3,835
7145 Travel expenses	-	-	8,620	11,350	3,013	11,350
7225 Safety supplies	-	-	-	250	30	250
7299 Other materials & supplies	-	57	152	400	6	400
7304 Hurricane Preparedness Expenses	-	-	-	-	83	-
7315 Food, meals, ice, water	167	2,841	2,968	3,500	2,603	3,500
7601 Legal Fees	5,694	2,290	8,559	7,500	8,369	7,500
7605 Engineering fees	-	-	-	10,000	-	10,000
7699 Other services	-	-	6,350	50,000	180	50,000
7801 Communication equipment	-	-	960	-	-	-
7805 Computer equipment	-	2,189	948	-	-	900
7820 Office furniture & equipment	-	3,246	2,273	2,600	2,993	-
<i>O&M NON-PERSONNEL TOTAL</i>	<u>5,861</u>	<u>12,180</u>	<u>34,545</u>	<u>93,100</u>	<u>21,016</u>	<u>90,900</u>
	\$ 100,561	\$ 160,133	\$ 593,405	\$ 597,350	\$ 581,469	\$ 644,029



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: Leandro G. Garcia, CPA
Title: Chief Financial Officer
Telephone Ext: 6173
Dept. No: 5110

**PERFORMANCE MEASURES
FOR THE
FINANCE DEPARTMENT**

Department Function:

The Finance Department manages Brownsville PUB's investment program, coordinates development and implementation of Operations and Capital budgets, manages short term and long term debt issues, coordinates monthly and annual financial reporting and external audit, prepares revenue forecasts, rate analysis, and proforma financial summaries, business process assessments, manages daily division activity and provides oversight to other division departments.

Department Goals/Objectives:

The Finance Department's objective is to achieve best in class financial performance through implementation of sound financial practices, enhancing revenue streams that support current and future needs, achieving cost savings by encouraging resourcefulness, proactively meeting and surpassing rating criteria and avoiding financial liabilities by managing risks.

INPUT MEASURES

Employees (FTE's)
 O&M Expenditures
 Annual Financial Plan
 Annual Capital Plan

OUTPUT MEASURES

Cash Portfolio Report (weekly)
 Quarterly Investment Reports Produced
 Operational Reports Produced (monthly)
 Avg. Number of Services Billed by Electric
 Avg. Number of Services Billed by Water
 Avg. Number of Services Billed by Wastewater

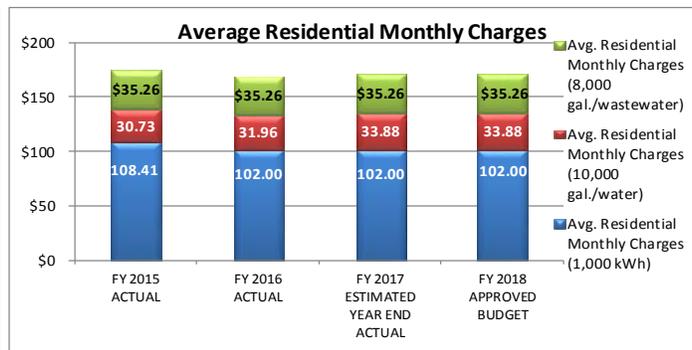
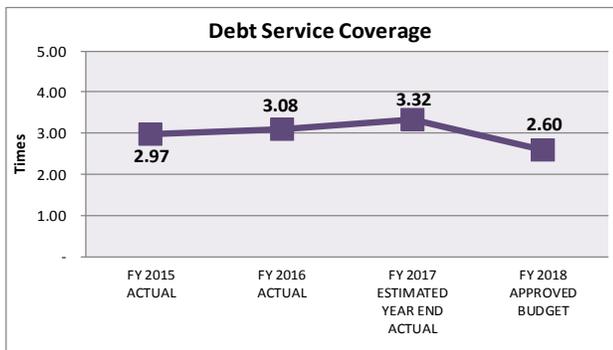
OUTCOME MEASURES

Maintain Three-Month Operating Reserve
 Bond Rating Desired: A (Fitch / Moody's / S&P)
 Debt Service Coverage (Desire: minimum 1.5)
 Compliance With Bond Covenants
 Compliance With GAAP, GASB, FERC

EFFICIENCY MEASURES

Avg. Residential Monthly Charges (1,000 kWh)
 Avg. Residential Monthly Charges (10,000 gal./water)
 Avg. Residential Monthly Charges (8,000 gal./wastewater)

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
Employees (FTE's)	6	8	7	7
O&M Expenditures	\$ 644,433	\$ 935,475	\$ 958,501	\$ 1,039,464
Annual Financial Plan	\$ 212,238,556	\$ 212,773,952	\$ 205,913,785	\$ 219,718,683
Annual Capital Plan	\$ 74,108,011	\$ 56,116,066	\$ 59,558,201	\$ 61,267,696
Cash Portfolio Report (weekly)	52	52	52	52
Quarterly Investment Reports Produced	4	4	4	4
Operational Reports Produced (monthly)	12	12	12	12
Avg. Number of Services Billed by Electric	48,265	48,798	49,563	49,936
Avg. Number of Services Billed by Water	49,438	50,046	50,686	50,953
Avg. Number of Services Billed by Wastewater	49,149	49,803	50,411	50,825
Maintain Three-Month Operating Reserve	Yes	Yes	Yes	Yes
Bond Rating Desired: A (Fitch / Moody's / S&P)	A+ / A2 / A+	A+ / A2 / A+	A+ / A2 / A+	A+ / A2 / A+
Debt Service Coverage (Desire: minimum 1.5)	2.97	3.08	3.32	2.60
Compliance With Bond Covenants	Yes	Yes	Yes	Yes
Compliance With GAAP, GASB, FERC	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes
Avg. Residential Monthly Charges (1,000 kWh)	\$ 108.41	\$ 102.00	\$ 102.00	\$ 102.00
Avg. Residential Monthly Charges (10,000 gal./water)	\$ 30.73	\$ 31.96	\$ 33.88	\$ 33.88
Avg. Residential Monthly Charges (8,000 gal./wastewater)	\$ 35.26	\$ 35.26	\$ 35.26	\$ 35.26



DEPARTMENT 5110 – FINANCE

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 216,598	\$ 212,510	\$ 297,843	\$ 298,981	\$ 352,772	\$ 356,406
6105 Administrative Staff	53,971	85,410	138,615	123,161	113,369	132,020
6110 Clerical staff	41,480	41,273	41,499	39,998	41,997	41,205
6130 Overtime	1,004	1,077	1,507	1,442	656	1,486
6201 T.M.R.S.	44,615	45,979	81,022	81,753	91,404	94,645
6205 F.I.C.A.	16,156	17,255	24,300	28,653	23,806	32,837
6210 Medicare	4,452	4,792	6,876	6,701	7,343	7,680
6214 Dental Insurance	1,232	1,331	1,766	1,905	1,636	1,758
6215 Hospitalization insurance	33,777	37,816	53,687	59,790	50,450	50,496
6220 Life Insurance	410	449	628	470	642	877
6221 Long Term Disability Insurance	816	894	1,257	924	84	1,132
6225 Workers Compensation	11,362	12,477	13,928	11,554	14,159	13,241
6230 Vacation leave	7,376	(4,818)	1,506	5,780	11,755	6,409
6235 Sick leave	16,391	(10,270)	8,791	6,354	20,080	7,044
6242 Auto Benefits	7,500	7,500	7,455	7,500	8,827	9,000
6260 Vacancy Savings	-	-	-	(33,684)	-	(36,615)
<i>O&M PERSONNEL TOTAL</i>	<u>457,139</u>	<u>453,677</u>	<u>680,682</u>	<u>641,282</u>	<u>738,980</u>	<u>719,620</u>
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	283	283	530	200	795	750
7110 Dues & memberships	1,098	2,896	4,037	1,500	1,679	1,500
7115 Educational material	2,760	-	-	-	101	200
7120 Office supplies	20,395	22,092	24,313	16,400	20,681	25,000
7130 Postage/shipping charges	870	722	803	1,500	697	1,500
7135 Telephone expenses	-	266	-	-	-	-
7140 Training expenses	2,772	5,795	13,399	10,540	5,010	14,344
7145 Travel expenses	4,356	5,231	10,872	10,602	7,663	11,000
7147 Mileage Reimbursement (InTownExp)	-	-	-	-	48	200
7199 Miscellaneous office expenses	-	513	-	200	-	-
7225 Safety supplies	-	-	-	-	9	-
7299 Other materials & supplies	-	161	30	300	120	300
7315 Food, meals, ice, water	2,511	2,803	3,739	2,000	1,369	2,000
7322 Recognition Program	-	-	-	-	-	-
7325 Rental of equip/storage/land	10,103	7,764	8,618	10,000	7,662	10,000
7335 Wearing apparel & dry goods	152	-	-	-	-	-
7415 Fuels & lubricants	-	51	40	-	-	-
7601 Legal Fees	46,698	4,288	974	50,000	346	25,000
7605 Engineering fees	14,658	1,612	32,823	50,000	32,351	50,000
7610 Financial advisor services	95,461	60,591	63,669	85,000	60,000	85,000
7615 External auditor fees	72,000	50,500	58,000	60,000	50,000	60,000
7699 Other services	12,153	21,966	24,078	50,000	26,159	30,000
7801 Communication equipment	-	-	-	-	238	-
7805 Computer equipment	1,651	-	207	1,821	-	1,850
7806 Software licenses-new	130	-	312	-	-	-
7820 Office furniture & equipment	2,137	3,222	8,350	-	4,592	1,200
<i>O&M NON-PERSONNEL TOTAL</i>	<u>290,189</u>	<u>190,756</u>	<u>254,793</u>	<u>350,063</u>	<u>219,521</u>	<u>319,844</u>
	\$ 747,328	\$ 644,433	\$ 935,475	\$ 991,345	\$ 958,501	\$ 1,039,464



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: Miguel A. Perez
Title: Director of Finance
Telephone Ext: 6187
Dept. No: 5120

**PERFORMANCE MEASURES
FOR THE
ACCOUNTING DEPARTMENT**

Department Function:

The Accounting Department is responsible for payment of vendor invoices, processing payroll, and performing accounting functions in a timely manner. In addition, this department is responsible for timely reporting of company finances through the monthly financial statements, payroll reports and other reports as required and needed, and timely file accurate financial reports to various Local, State and Federal agencies as required.

Department Goals/Objectives:

The Accounting Department's goal is to provide technical accounting oversight to Brownsville PUB departments to ensure that generally accepted accounting procedures and Brownsville PUB policies and procedures are consistently applied, to maintain the integrity of the Brownsville PUB's accounting records, and to satisfy all reporting requirements. The objectives are to perform timely reconciliation of accounts and timely preparation of monthly financial statements; timely processing of vendor invoices; and accurate and timely processing of Brownsville PUB's payroll.

INPUT MEASURES

Number of AP Checks & Wires Processed
 Number of AP ACH Payments Processed
 Number of Payroll Cks and DD Processed
 Average Mo. Bank Transactions Reconciled
 No. of JEs Processed for Recon. of Accts.
 Capital Assets, Net Capitalized in the CPR

OUTPUT MEASURES

Percentage of Invoice Pd. Within 30 days
 Percentage of Payrolls Process Timely
 No. of Bank Accounts Reconciled Annually
 # of FS Produced Annually
 Dollar Recorded for Capital Asset Additions

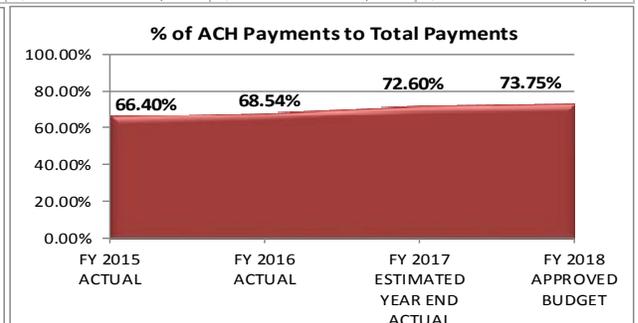
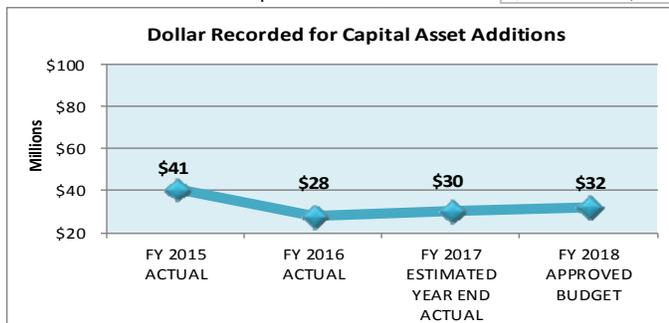
OUTCOME MEASURES

% of ACH Payments to Total Payments
 % Payroll Direct Deposits to Total Cks & DD
 % of Bank Accounts Reconciled Within 15 days
 % of Mo. FS Completed on Schedule
 Timely Recon (60 days) of Capital Assets at YE

EFFICIENCY MEASURES

Annual Cost of Cks and ACH Initiated
 Annual Cost of Processing Bi-Weekly Payroll
 Staff Hours Per 100 Bank Reconciliations
 Annual Cost to Produce Monthly Financial Stmts
 Annual Cost to Maintain Capital Assets CPR

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
Number of AP Checks & Wires Processed	2,545	2,596	2,169	2,100
Number of AP ACH Payments Processed	5,030	5,657	5,748	5,900
Number of Payroll Cks and DD Processed	17,828	18,183	18,206	18,300
Average Mo. Bank Transactions Reconciled	1,480	1,320	1,482	1,500
No. of JEs Processed for Recon. of Accts.	4,560	4,516	4,629	4,700
Capital Assets, Net Capitalized in the CPR	\$ 607,389,063	\$ 603,860,164	\$ 605,000,000	\$ 608,000,000
Percentage of Invoice Pd. Within 30 days	89%	90%	91%	92%
Percentage of Payrolls Process Timely	100%	100%	100%	100%
No. of Bank Accounts Reconciled Annually	348	324	324	336
# of FS Produced Annually	12	12	12	12
Dollar Recorded for Capital Asset Additions	\$ 40,684,063	\$ 27,806,529	\$ 30,000,000	\$ 32,000,000
% of ACH Payments to Total Payments	66.40%	68.54%	72.60%	73.75%
% Payroll Direct Deposits to Total Cks & DD	99.95%	99.91%	99.95%	99.95%
% of Bank Accounts Reconciled Within 15 days	100.00%	100.00%	100.00%	100.00%
% of Mo. FS Completed on Schedule	100.00%	100.00%	100.00%	100.00%
Timely Recon (60 days) of Capital Assets at YE	Yes	Yes	Yes	Yes
Annual Cost of Cks and ACH Initiated	\$ 131,324	\$ 148,574	\$ 178,974	\$ 175,200
Annual Cost of Processing Bi-Weekly Payroll	\$ 31,699	\$ 38,041	\$ 54,124	\$ 54,124
Staff Hours Per 100 Bank Reconciliations	8.2	7.6	4.8	4.9
Annual Cost to Produce Monthly Financial Stmts	\$ 155,769	\$ 166,135	\$ 266,738	\$ 277,757
Annual Cost to Maintain Capital Assets CPR	\$ 84,690	\$ 128,383	\$ 130,990	\$ 127,216



DEPARTMENT 5120 - ACCOUNTING

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 166,182	\$ 176,378	\$ 229,010	\$ 273,046	\$ 305,480	\$ 289,103
6105 Administrative Staff	54,113	64,271	159,413	197,189	158,198	185,559
6110 Clerical staff	164,033	144,568	176,743	150,109	171,739	181,293
6130 Overtime	5,321	7,495	3,700	4,840	2,290	2,836
6201 T.M.R.S.	58,193	53,583	97,108	109,739	115,080	117,219
6205 F.I.C.A.	24,876	23,797	34,046	38,461	38,416	40,669
6210 Medicare	5,818	5,596	8,115	8,995	9,078	9,511
6214 Dental Insurance	2,272	2,163	3,235	3,931	3,470	3,627
6215 Hospitalization insurance	58,559	56,919	95,429	113,973	101,799	104,960
6220 Life Insurance	513	535	782	662	852	876
6221 Long Term Disability Insurance	992	1,031	1,492	1,241	(1,256)	1,349
6225 Workers Compensation	16,183	16,589	17,594	15,509	19,278	16,399
6230 Vacation leave	5,272	4,479	(2,095)	6,832	11,374	7,937
6235 Sick leave	16,836	(2,786)	12,184	7,509	22,465	8,724
6240 Educational assistance	-	-	-	-	-	3,000
6242 Auto Benefits	7,500	7,500	7,489	7,500	7,500	7,500
6243 Telephone Benefits	1,680	1,680	1,678	1,680	1,680	1,680
6260 Vacancy Savings	-	-	-	(41,908)	-	(47,528)
<i>O&M PERSONNEL TOTAL</i>	<u>588,343</u>	<u>563,797</u>	<u>845,922</u>	<u>899,307</u>	<u>967,444</u>	<u>934,715</u>
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	1,410	252	735	730	1,063	920
7110 Dues & memberships	75	541	580	580	3,080	580
7120 Office supplies	13,142	11,296	10,493	11,000	8,034	10,250
7130 Postage/shipping charges	371	61	84	100	229	300
7135 Telephone expenses	225	604	238	-	-	-
7140 Training expenses	5,679	1,110	5,549	4,520	2,930	5,856
7145 Travel expenses	5,502	-	6,147	2,810	3,579	7,000
7147 Mileage Reimbursement (InTownExp)	-	-	-	-	38	-
7225 Safety supplies	69	5	18	75	-	75
7299 Other materials & supplies	77	81	-	100	52	100
7301 Bad debt expense	-	-	1,050	-	27	-
7310 Federal, state, & local fees	242	-	-	-	-	-
7315 Food, meals, ice, water	1,035	1,515	1,040	1,200	868	1,256
7335 Wearing apparel & dry goods	378	396	100	120	116	120
7635 Software maintenance service fees	11,526	9,078	5,234	5,547	6,846	5,994
7699 Other services	-	-	8,900	10,500	16,567	19,300
7805 Computer equipment	285	218	-	-	652	-
7806 Software licenses -new	150	-	479	300	-	300
7820 Office furniture & equipment	743	4,262	10,797	1,553	6,726	400
<i>O&M NON-PERSONNEL TOTAL</i>	<u>40,910</u>	<u>29,417</u>	<u>51,444</u>	<u>39,135</u>	<u>50,807</u>	<u>52,451</u>
	\$ 629,253	\$ 593,214	\$ 897,366	\$ 938,442	\$ 1,018,251	\$ 987,166



**B R O W N S V I L L E
P U B L I C U T I L I T I E S B O A R D**



Department Responsibility: Diane Solitaire
Title: Materials & Warehouse Manager
Telephone Ext: 6366
Dept. No: 5130

**PERFORMANCE MEASURES
FOR THE
PURCHASING DEPARTMENT**

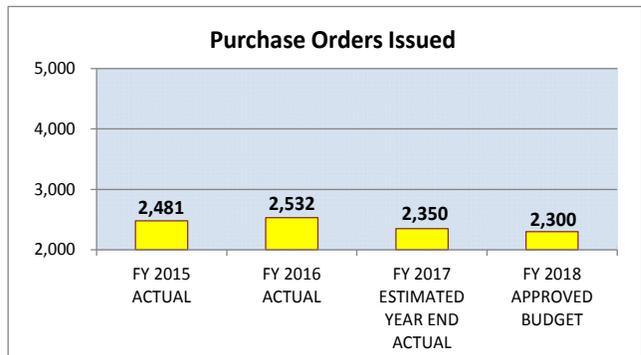
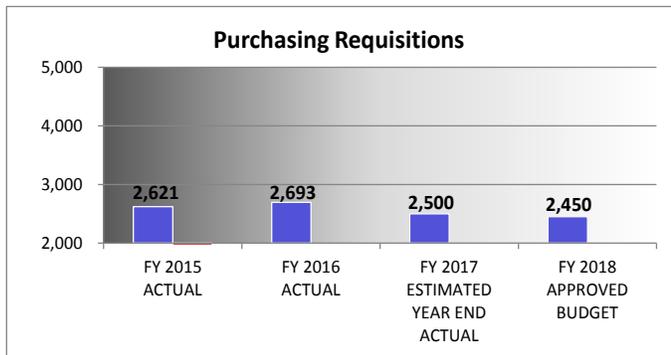
Department Function:

The primary function of the Purchasing Department is to meet the product and service needs of the Brownsville PUB by complying with all Federal, State, and Local laws including Board policies; provide fair competition among bidders; and to continuously seek to identify and implement strategies and techniques that will enhance the level of service and integrity provided by the Purchasing Department.

Department Goals/Objectives:

Purchasing Department goals are to purchase at the best price the proper goods or services to suit Brownsville PUB's needs; have goods or services readily available where and when needed; protect against any misappropriation of business assets purchased; insure responsible bidders are given fair opportunities; and see that the best value is received for the public dollar.

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
INPUT MEASURES				
Employees	6	7	7	7
O&M Personnel	\$ 268,704	\$ 435,433	\$ 507,272	\$ 479,831
O&M Non-Personnel	\$ 69,677	\$ 65,115	\$ 77,584	\$ 65,005
OUTPUT MEASURES				
Purchasing Requisitions	2,621	2,693	2,500	2,450
P-Card Cardholders	114	123	130	132
OUTCOME MEASURES				
Purchase Orders Issued	2,481	2,532	2,350	2,300
P-Card Cardholders vs # Employees	114 vs 585 (19%)	123 vs 571 (22%)	130 vs 585 (22%)	132 vs 579 (22%)
EFFICIENCY MEASURES				
Reduce # of Requisitions and P.O.'s Issued	350	235	170	150
Checks Per Month (P-card usage)				
Number of checks vs number of p card merchants	350 vs 600	235 vs 600	170 vs 615	150 vs 645



DEPARTMENT 5130 – PURCHASING

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 57,079	\$ 56,968	\$ 82,645	\$ 82,014	\$ 84,280	\$ 84,469
6105 Administrative Staff	106,928	108,124	158,880	242,923	212,896	222,610
6110 Clerical staff	21,604	24,194	22,376	-	28,754	31,117
6130 Overtime	205	21	42	109	11	22
6140 Severance Pay	-	-	43,704	-	-	-
6201 T.M.R.S.	27,040	25,754	48,347	57,481	57,644	60,435
6205 F.I.C.A.	11,207	11,179	17,199	20,146	19,218	20,968
6206 Suta	-	171	-	-	11,261	-
6210 Medicare	2,621	2,614	4,022	4,712	4,494	4,904
6214 Dental Insurance	1,170	1,157	1,555	2,117	1,859	1,953
6215 Hospitalization insurance	32,676	32,102	47,127	62,362	57,340	60,068
6220 Life Insurance	263	269	374	346	449	365
6221 Long Term Disability Insurance	499	510	711	650	872	676
6225 Workers Compensation	6,517	6,726	6,677	8,123	8,234	8,455
6230 Vacation leave	5,439	879	(3,152)	3,939	4,677	4,092
6235 Sick leave	127	(1,964)	4,927	4,329	15,283	4,498
6260 Vacancy Savings	-	-	-	(24,261)	-	(24,801)
<i>O&M PERSONNEL TOTAL</i>	<u>273,376</u>	<u>268,704</u>	<u>435,433</u>	<u>464,990</u>	<u>507,272</u>	<u>479,831</u>
<i>O&M NON-PERSONNEL</i>						
7101 Advertising	18,584	27,072	25,315	25,000	24,049	25,000
7105 Books & periodicals	114	-	192	225	-	255
7110 Dues & memberships	345	360	360	300	746	300
7120 Office supplies	4,078	4,473	3,406	4,000	3,199	4,000
7130 Postage/shipping charges	91	139	62	300	261	300
7140 Training expenses	-	215	-	4,000	1,650	600
7145 Travel expenses	-	-	-	5,000	192	2,000
7180 Utilities - departmental	12,525	11,868	11,464	11,000	10,632	11,000
7215 Laundry & janitorial supplies	42	161	254	1,000	198	250
7299 Other materials & supplies	533	510	3,051	1,000	808	1,200
7304 Hurricane Preparedness Expenses	-	-	-	-	629	-
7315 Food, meals, ice, water	133	204	232	300	174	300
7325 Rental of equip/storage/land	4,700	4,285	4,421	4,000	3,808	4,300
7415 Fuels & lubricants	495	283	99	-	56	-
7599 Maintenance / other	-	13,435	3,361	15,000	17,442	15,000
7645 Maintenance services	964	1,426	2,676	500	-	500
7805 Computer equipment	245	-	-	-	-	-
7806 Software licenses-new	-	-	-	-	10,770	-
7820 Office furniture & equipment	492	5,248	10,221	1,335	2,969	-
<i>O&M NON-PERSONNEL TOTAL</i>	<u>43,341</u>	<u>69,677</u>	<u>65,115</u>	<u>72,960</u>	<u>77,584</u>	<u>65,005</u>
	\$ 316,717	\$ 338,381	\$ 500,548	\$ 537,950	\$ 584,856	\$ 544,836



**B R O W N S V I L L E
P U B L I C U T I L I T I E S B O A R D**



Department Responsibility: Miguel A. Perez
Title: Director of Finance
Telephone Ext: 6187
Dept. No: 5140

**PERFORMANCE MEASURES
FOR THE
REVENUE RECOVERY DEPARTMENT**

Department Function:

The Revenue Recovery Department is responsible for investigating all possible tampering incidents in a timely and efficient manner. Department personnel are responsible for replacing damaged meters and installing locking devices. In addition, this department is responsible for the calculation and backbilling of unbilled utility services due to tampering.

Department Goals/Objectives:

The Revenue Recovery Department's goal is to increase fees for unrecovered revenue and service, including City fees, from unauthorized or unbilled electric, water, and sewer services. Another departmental goal is to communicate improved awareness and understanding of tampering with customers, employees, and the community through departmental training and community presentations. The objectives are to continue to review, modify, and implement meter tampering procedures and to become more proactive in identifying meter tampering.

INPUT MEASURES

Employees
O&M Personnel
O&M Non-Personnel

OUTPUT MEASURES

of Accounts Proactively Investigated
of Tampering Incidents Reported Internally
of Tampering Incidents Reported thru Hotline
Total Number of Tamperings Reported
of Tampering Incidents Confirmed

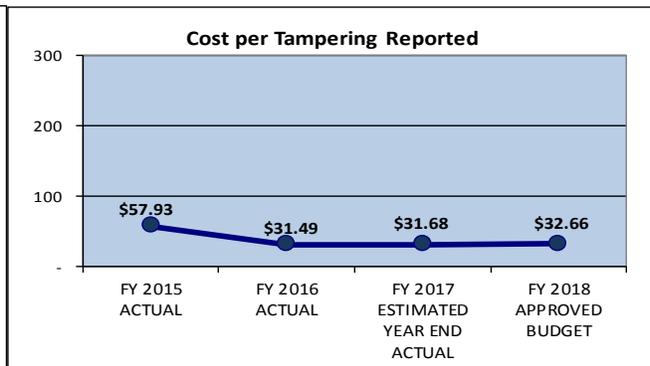
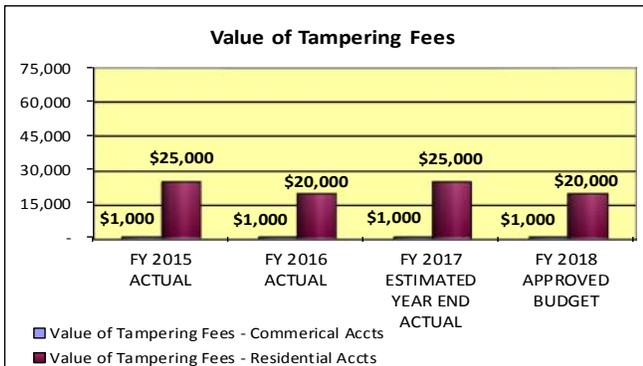
OUTCOME MEASURES

Value of Tampering Fees - Commerical Accts
Value of Backbillings - Commercial Accts
Value of Tampering Fees - Residential Accts
Value of Backbillings - Residential Accts

EFFICIENCY MEASURES

Cost per Tampering Reported
Ratio of Revenue Recovered to Cost

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
Employees	3	3	3	3
O&M Personnel	\$ 185,849	\$ 191,527	\$ 192,766	\$ 195,587
O&M Non-Personnel	\$ 16,904	\$ 13,173	\$ 13,147	\$ 16,684
# of Accounts Proactively Investigated	3,500	6,500	6,500	6,500
# of Tampering Incidents Reported Internally	200	125	175	100
# of Tampering Incidents Reported thru Hotline	10	5	5	10
Total Number of Tamperings Reported	210	130	180	110
# of Tampering Incidents Confirmed	59	55	100	50
Value of Tampering Fees - Commerical Accts	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000
Value of Backbillings - Commercial Accts	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000
Value of Tampering Fees - Residential Accts	\$ 25,000	\$ 20,000	\$ 25,000	\$ 20,000
Value of Backbillings - Residential Accts	\$ 85,000	\$ 55,000	\$ 125,000	\$ 100,000
Cost per Tampering Reported	\$ 57.93	\$ 31.49	\$ 31.68	\$ 32.66
Ratio of Revenue Recovered to Cost	\$ 1.78	\$ 2.59	\$ 1.34	\$ 1.71



DEPARTMENT 5140 – REVENUE RECOVERY

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 49,802	\$ 50,488	\$ 50,457	\$ 50,294	\$ 51,696	\$ 51,813
6115 Operational staff	79,893	81,114	81,033	80,600	77,720	83,013
6130 Overtime	787	294	47	2,325	296	500
6201 T.M.R.S.	18,604	17,953	21,898	23,155	22,360	24,093
6205 F.I.C.A.	7,770	7,855	7,842	8,115	7,427	8,359
6210 Medicare	1,817	1,837	1,834	1,898	1,737	1,955
6214 Dental Insurance	824	818	804	907	759	837
6215 Hospitalization insurance	22,092	21,854	23,965	27,840	24,779	27,892
6220 Life Insurance	181	184	184	144	178	147
6221 Long Term Disability Insurance	340	347	348	262	343	270
6225 Workers Compensation	3,262	3,297	3,300	3,272	3,159	3,371
6230 Vacation leave	(839)	(191)	469	1,584	295	1,631
6235 Sick leave	2,542	-	(656)	1,741	2,016	1,793
6260 Vacancy Savings	-	-	-	(9,795)	-	(10,087)
<i>O&M PERSONNEL TOTAL</i>	187,076	185,849	191,527	192,343	192,766	195,587
<i>O&M NON-PERSONNEL</i>						
7110 Dues & memberships	-	50	-	550	-	-
7120 Office supplies	2,132	685	1,014	2,000	1,102	2,000
7125 Photo equipment/supplies	-	-	246	-	-	-
7140 Training expenses	690	1,138	-	1,000	400	200
7145 Travel expenses	1,498	-	-	1,496	66	1,091
7220 Medical supplies	-	-	20	-	-	100
7225 Safety supplies	146	793	168	1,298	820	1,507
7299 Other materials & supplies	5,523	7,578	4,272	4,378	2,418	4,298
7315 Food, meals, ice, water	77	62	157	275	116	278
7325 Rental of equip/storage/land	2,100	2,150	2,100	2,100	2,100	2,100
7335 Wearing apparel & dry goods	1,584	1,801	2,228	1,600	2,439	1,710
7415 Fuels & lubricants	2,334	2,017	2,565	2,500	3,244	3,000
7820 Office furniture & equipment	547	264	-	-	441	-
7835 Tools, shop and garage equipment	-	26	343	1,000	-	-
7899 Other minor tools & equipment	662	340	60	500	-	400
<i>O&M NON-PERSONNEL TOTAL</i>	17,293	16,904	13,173	18,697	13,147	16,684
	\$ 204,369	\$ 202,753	\$ 204,700	\$ 211,040	\$ 205,913	\$ 212,271



**B R O W N S V I L L E
P U B L I C U T I L I T I E S B O A R D**



Department Responsibility: Eddy Hernandez
Title: Director of Customer Serv/Info Tech
Telephone Ext: 6130
Dept. No: 6105

DEPARTMENT 6105 - CUSTOMER & INFORMATION SERVICES

Department Function:

As one of the primary contacts with utility customers, the Customer & Information Services Department's function is to provide administrative and managerial support to the Customer Service, Collections, Billing, Call Center, Meter Services, CIS Support, Meter Reading, Cashiers, and Information Technology Departments in order to offer greater efficiency for internal and external customers.

Note:

See departments 6110 - Customer Service, 6115 - Collections, 6120 - Billing, 6125 - Call Center, 6130 - Meter Services, 6135 - CIS Support, 6145 - Energy Efficiency & Conservation, 6150 - Meter Reading, 6160 - Cashiers, and 7130 - Information Technology for specific metrics data.

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 120,120	\$ 125,489	\$ 125,724	\$ 125,008	\$ 133,646	\$ 136,677
6110 Clerical staff	60,554	60,719	58,591	56,909	59,276	58,614
6130 Overtime	2,697	2,171	184	1,149	441	500
6201 T.M.R.S.	26,141	25,642	31,894	32,181	34,542	34,899
6205 F.I.C.A.	11,583	11,269	10,700	11,279	11,065	12,108
6210 Medicare	2,741	2,811	2,760	2,638	2,782	2,832
6214 Dental Insurance	824	818	802	907	782	837
6215 Hospitalization insurance	19,964	19,732	21,584	25,130	20,783	21,004
6220 Life Insurance	242	250	248	190	252	202
6221 Long Term Disability Insurance	476	493	489	364	506	391
6225 Workers Compensation	4,814	4,939	4,852	4,548	4,879	4,882
6230 Vacation leave	2,768	2,690	1,287	2,201	(4,045)	2,363
6235 Sick leave	6,080	(88)	651	2,419	4,751	2,597
6242 Auto Benefits	7,500	7,500	7,485	7,500	7,500	7,500
6243 Telephone Benefits	1,680	1,680	1,677	1,680	1,680	1,680
6260 Vacancy Savings	-	-	-	(12,917)	-	(13,622)
<i>O&M PERSONNEL TOTAL</i>	<u>268,184</u>	<u>266,117</u>	<u>268,929</u>	<u>261,185</u>	<u>278,839</u>	<u>273,463</u>
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	74	31	-	400	-	400
7110 Dues & memberships	1,500	1,500	1,500	1,500	1,500	1,500
7120 Office supplies	1,754	3,667	1,894	2,000	2,284	1,500
7130 Postage/shipping charges	-	-	-	75	-	75
7140 Training expenses	340	1,095	725	1,700	1,645	1,950
7145 Travel expenses	4,218	4,255	4,274	5,800	4,447	4,820
7299 Other materials & supplies	-	1,712	-	-	7,432	-
7315 Food, meals, ice, water	468	378	225	250	242	300
7322 Recognition Program	-	-	-	-	-	-
7348 Customer Assistance Program	-	-	12,739	100,000	19,085	50,000
7601 Legal Fees	21,405	22,463	16,857	10,000	38,785	16,000
7645 Maintenance services	248	854	1,120	500	1,090	500
7699 Other services	-	1,880	120	-	382	-
7805 Computer equipment	1,100	-	-	1	-	-
7820 Office furniture & equipment	-	10,415	-	1	-	-
<i>O&M NON-PERSONNEL TOTAL</i>	<u>31,107</u>	<u>48,251</u>	<u>39,453</u>	<u>122,227</u>	<u>76,891</u>	<u>77,045</u>
	\$ 299,291	\$ 314,368	\$ 308,382	\$ 383,412	\$ 355,730	\$ 350,508

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**B R O W N S V I L L E
P U B L I C U T I L I T I E S B O A R D**

Department Responsibility: Susan Walker
Title: Customer Service Manager
Telephone Ext: 6129
Dept. No: 6110

**PERFORMANCE MEASURES
FOR THE
CUSTOMER SERVICE DEPARTMENT**

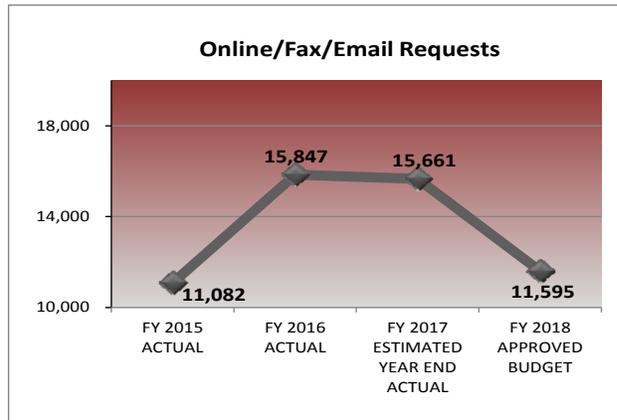
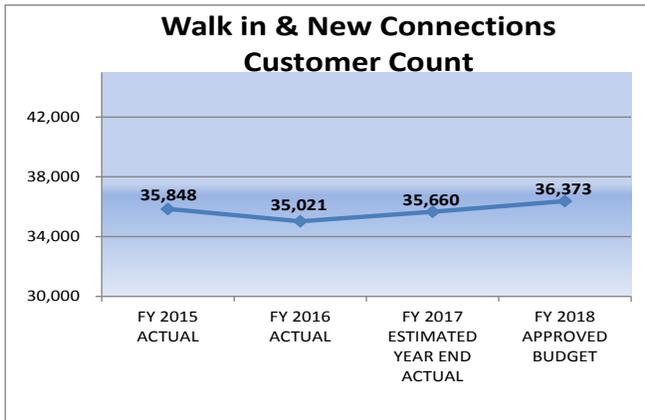
Department Function:

The Customer Service and New Connections staff responds to customer requests for installation of new water meters and Move ins, Move outs, Pay Arrangements, Reconnections, High Bill Complaints, Questions on Bills, Letters of Reference, Open Records research and Service outage calls during regular business hours. In addition to responding to customer requests, the Customer Solutions Representatives (CSRs) scan documents related to the customer transaction, send emails, send faxes, mail letters, review reports for quality assurance, record service outage calls in the Cityworks application and return calls. CSRs attend quarterly safety meetings, bi-weekly departmental meetings and mandatory training sessions which reflect our dedication to continuous improvement. Customer Service staff provides support to Call Center and Cashier Departments and New Connections staff when needed; and cross-trained staff is available.

Department Goals/Objectives:

The department's goal is to provide solutions to customer utility needs, while we accurately document the transaction. We support the organization's mission, by delivering excellent service while being innovative and responsive.

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
INPUT MEASURES				
FTE's	11	14	14	13
Personnel O&M Expenses	\$ 668,849	\$ 734,922	\$ 776,861	\$ 718,712
Non-Personnel O&M Expenses	\$ 45,470	\$ 70,483	\$ 31,153	\$ 87,310
Total O&M Expenses	\$ 714,319	\$ 805,405	\$ 808,014	\$ 806,022
OUTPUT MEASURES				
Walk in & New Connections Customer Count	35,848	35,021	35,660	36,373
Online/Fax/Email Requests	11,082	15,847	15,661	11,595
Total for Department	46,930	50,868	51,321	47,968
OUTCOME MEASURES				
Number of Accounts	62,799	63,595	64,750	65,650
Percent Customer Base Interactions	6%	7%	7%	6%
Average Wait Time in Minutes	17	14	13	10
EFFICIENCY MEASURES				
Cost Per Transaction	\$ 15.22	\$ 15.83	\$ 15.74	\$ 16.80
Transactions per FTE	4,266	3,633	3,666	3,690



DEPARTMENT 6110 - CUSTOMER SERVICE

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 119,288	\$ 113,170	\$ 120,633	\$ 125,944	\$ 132,661	\$ 130,324
6110 Clerical staff	268,352	322,027	373,111	342,356	374,737	364,503
6130 Overtime	6,992	5,373	1,118	8,129	1,901	1,541
6201 T.M.R.S.	56,249	60,516	82,257	82,842	89,750	88,426
6205 F.I.C.A.	23,726	26,918	29,788	29,035	30,291	30,679
6210 Medicare	5,549	6,295	6,966	6,790	7,084	7,175
6214 Dental Insurance	2,971	3,460	3,705	3,991	3,617	3,683
6215 Hospitalization insurance	69,035	76,277	94,229	105,411	96,574	97,303
6220 Life Insurance	551	626	706	533	710	559
6221 Long Term Disability Insurance	915	1,053	1,198	865	1,234	916
6225 Workers Compensation	9,866	11,124	12,448	11,707	12,996	12,371
6230 Vacation leave	700	9,954	(1,710)	5,627	4,287	5,987
6235 Sick leave	7,498	32,057	8,554	6,185	8,389	6,581
6240 Educational assistance	-	-	1,919	14,820	12,631	5,460
6260 Vacancy Savings	-	-	-	(35,155)	-	(36,797)
<i>O&M PERSONNEL TOTAL</i>	<u>571,692</u>	<u>668,849</u>	<u>734,922</u>	<u>709,081</u>	<u>776,861</u>	<u>718,712</u>
<i>O&M NON-PERSONNEL</i>						
7120 Office supplies	3,085	4,824	3,324	6,200	5,004	6,200
7130 Postage/shipping charges	-	51	-	150	-	150
7140 Training expenses	875	475	650	325	425	900
7145 Travel expenses	2,081	879	1,709	2,000	885	2,000
7299 Other materials & supplies	1,062	312	641	1,200	693	500
7315 Food, meals, ice, water	1,266	1,059	759	1,500	976	1,500
7325 Rental of equip/storage/land	4,365	3,769	4,393	4,500	3,690	4,500
7335 Wearing apparel & dry goods	15	-	-	-	-	-
7645 Maintenance services	1,238	1,098	1,463	1,700	1,557	1,700
7699 Other services	21,104	28,513	39,959	45,000	15,490	56,000
7805 Computer equipment	-	-	-	-	-	-
7820 Office furniture & equipment	350	4,490	17,584	25,000	2,433	13,860
<i>O&M NON-PERSONNEL TOTAL</i>	<u>35,439</u>	<u>45,470</u>	<u>70,483</u>	<u>87,575</u>	<u>31,153</u>	<u>87,310</u>
	\$ 607,131	\$ 714,319	\$ 805,405	\$ 796,656	\$ 808,014	\$ 806,022



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: Norma A. Gomez
Title: CIS Support Manager
Telephone Ext: 6133
Dept. No: 6115

**PERFORMANCE MEASURES
FOR THE
COLLECTIONS DEPARTMENT**

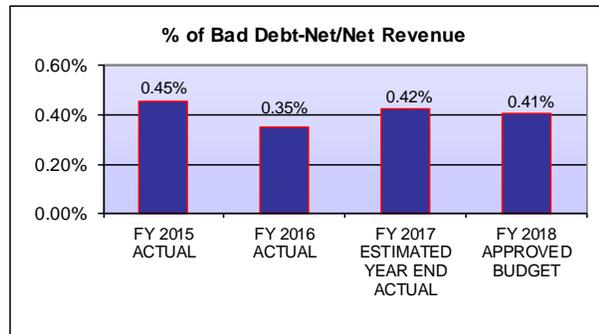
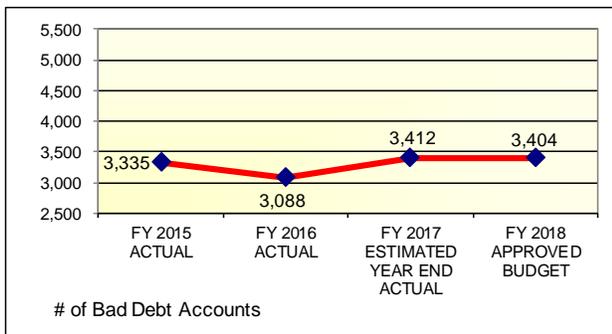
Department Function:

The Collections Department is responsible for providing reliable and accurate collection efforts including processing of returned checks, disconnects for non-payment, bad debt collections, and other collection efforts.

Department Goals/Objectives:

The department's goal is to improve the collection efforts and increase cash flow for Brownsville PUB. The department goal also includes providing support to the customer service mission of our organization.

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
INPUT MEASURES				
FTE	4	4	4	4
Personnel O&M Costs	\$ 187,039	\$ 191,446	\$ 204,655	\$ 202,434
Non-Personnel O&M Costs	\$ 512,369	\$ 14,716	\$ 997,804	\$ 817,600
Total O&M Costs	\$ 699,408	\$ 206,162	\$ 1,202,459	\$ 1,020,034
OUTPUT MEASURES				
# of Service Orders Reviewed	38,499	34,574	34,671	32,665
# of Accounts Billed	750,034	759,713	790,200	803,383
# of Returned Checks	1,842	2,001	1,937	2,422
# of Bad Debt Accounts	3,335	3,088	3,412	3,404
OUTCOME MEASURES				
Value of Billed Accounts	\$ 209,208,011	\$ 208,179,839	\$ 203,058,116	\$ 209,149,859
Value of Returned Checks	\$ 843,860	\$ 763,847	\$ 812,529	\$ 973,938
Value of Returned Check Fees	\$ 42,900	\$ 44,900	\$ 39,527	\$ 51,075
Value of Bad Debt	\$ 1,240,253	\$ 1,020,780	\$ 1,186,733	\$ 1,195,616
Value of Bad Debt Collections	\$ 291,773	\$ 297,149	\$ 326,421	\$ 344,383
Value of Net Bad Debt	\$ 948,479	\$ 723,631	\$ 860,312	\$ 851,232
EFFICIENCY MEASURES				
% of Bad Debt-Net/Net Revenue	0.45%	0.35%	0.42%	0.41%



DEPARTMENT 6115 – COLLECTIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 9,793	\$ 38,148	\$ 38,792	\$ 44,470	\$ 41,895	\$ 42,016
6110 Clerical staff	86,415	85,859	86,023	85,426	85,418	94,944
6130 Overtime	268	522	258	800	310	300
6201 T.M.R.S.	13,747	16,950	20,777	22,979	23,836	24,475
6205 F.I.C.A.	5,726	7,448	7,408	8,054	7,956	8,492
6210 Medicare	1,339	1,742	1,733	1,883	1,861	1,986
6214 Dental Insurance	889	1,091	1,071	1,210	1,002	1,116
6215 Hospitalization insurance	22,865	26,204	29,709	34,521	29,159	31,866
6220 Life Insurance	143	184	184	151	182	456
6221 Long Term Disability Insurance	252	329	330	260	334	337
6225 Workers Compensation	2,412	3,113	3,130	3,247	3,368	3,424
6230 Vacation leave	2,552	1,965	843	1,493	1,564	1,657
6235 Sick leave	10,166	3,484	1,187	1,642	7,769	1,822
6260 Vacancy Savings	-	-	-	(9,667)	-	(10,456)
<i>O&M PERSONNEL TOTAL</i>	156,565	187,039	191,446	196,469	204,655	202,434
<i>O&M NON-PERSONNEL</i>						
7110 Dues & memberships	-	15	-	40	115	200
7120 Office supplies	154	717	697	1,200	371	1,200
7130 Postage/shipping charges	-	-	-	100	-	100
7140 Training expenses	-	75	-	-	-	-
7299 Other materials & supplies	216	538	-	500	691	500
7301 Bad debt expense	2,721	510,974	18,004	700,000	995,132	800,000
7302 Bankruptcy expenses	-	-	(4,865)	3,000	1,225	-
7315 Food, meals, ice, water	21	48	161	500	224	600
7415 Fuels & lubricants	-	-	-	1	-	-
7601 Legal Fees	-	-	-	-	-	12,000
7699 Other services	10	2	-	3,000	46	3,000
7820 Office furniture & equipment	-	-	720	1,300	-	-
<i>O&M NON-PERSONNEL TOTAL</i>	3,122	512,369	14,716	709,641	997,804	817,600
	\$ 159,687	\$ 699,408	\$ 206,162	\$ 906,110	\$ 1,202,459	\$ 1,020,034



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: Norma A. Gomez
Title: CIS Support Manager
Telephone Ext: 6133
Dept. No.: 6120

**PERFORMANCE MEASURES
FOR THE
BILLING DEPARTMENT**

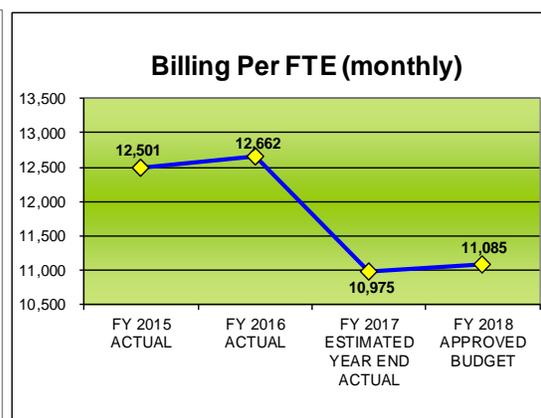
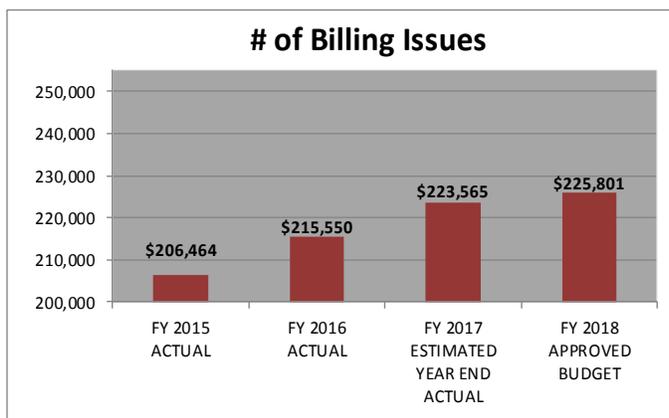
Department Function:

The Billing Department is responsible for providing customers with accurate and reliable billing services. It is responsible for delivery of external and internal correspondence including the billing statements to our customers and the mailroom operations.

Department Goals/Objectives:

The departmental goal is to provide exceptional service to our customers by delivering accurate and reliable billing services on a daily basis.

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
INPUT MEASURES				
FTE	7	8	7	8
Personnel O&M Costs	\$ 350,094	\$ 368,354	\$ 356,362	\$ 385,689
Non-Personnel O&M Costs	\$ 442,449	\$ 468,555	\$ 468,821	\$ 498,540
Total O&M Costs	\$ 792,543	\$ 836,909	\$ 825,183	\$ 884,229
OUTPUT MEASURES				
# of Accounts Billed	\$ 750,034	\$ 759,713	\$ 790,200	\$ 798,102
# of Billing Issues	\$ 206,464	\$ 215,550	\$ 223,565	\$ 225,801
OUTCOME MEASURES				
Value of Accounts Billed	\$ 209,208,011	\$ 208,179,839	\$ 203,058,116	\$ 209,149,859
Fiscal Year A/R Balance	\$ 14,233,129	\$ 15,218,544	\$ 16,921,509	\$ 17,090,724
EFFICIENCY MEASURES				
% A/R < 39 days	93%	93%	92%	92%
Average Days in Receivables	25	25	25	25
Billing Per FTE (monthly)	12,501	12,662	10,975	11,085
Hi Lo & Billing Issues Per FTE (monthly)	3,441	3,593	3,105	3,136



DEPARTMENT 6120 – BILLING

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 47,032	\$ 47,126	\$ 47,205	\$ 50,274	\$ 53,083	\$ 51,792
6110 Clerical staff	127,763	144,321	164,243	140,587	148,332	178,793
6115 Operational staff	25,087	25,652	25,560	25,376	26,258	26,156
6130 Overtime	902	1,574	1,304	1,966	1,010	1,400
6201 T.M.R.S.	29,063	31,648	39,648	38,252	40,167	45,880
6205 F.I.C.A.	11,925	13,455	13,722	13,407	13,016	15,918
6210 Medicare	2,789	3,147	3,209	3,135	3,044	3,723
6214 Dental Insurance	1,823	1,738	2,130	2,117	1,900	2,232
6215 Hospitalization insurance	47,152	49,068	63,188	67,113	58,617	65,925
6220 Life Insurance	298	294	357	255	326	300
6221 Long Term Disability Insurance	530	531	634	432	596	513
6225 Workers Compensation	5,095	5,386	5,977	5,406	5,684	6,419
6230 Vacation leave	1,510	6,222	(973)	2,856	(289)	3,107
6235 Sick leave	(3,309)	19,932	2,150	3,139	4,616	3,415
6260 Vacancy Savings	-	-	-	(18,880)	-	(19,883)
<i>O&M PERSONNEL TOTAL</i>	297,659	350,094	368,354	335,435	356,362	385,689
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	143	-	-	-	-	-
7110 Dues & memberships	180	180	380	420	425	540
7120 Office supplies	1,564	1,030	1,012	1,200	1,479	1,200
7130 Postage/shipping charges	332,325	315,269	317,064	345,000	303,363	345,000
7140 Training expenses	-	75	-	-	100	-
7299 Other materials & supplies	28,647	57,176	42,793	62,000	70,760	54,000
7315 Food, meals, ice, water	105	74	110	300	220	300
7325 Rental of equip/storage/land	52,379	49,664	98,295	85,000	84,132	86,500
7335 Wearing apparel & dry goods	65	129	587	500	296	500
7415 Fuels & lubricants	3,033	2,300	2,084	4,000	1,841	4,000
7635 Software maintenance service fees	4,745	5,490	5,545	5,700	5,545	6,000
7645 Maintenance services	944	6,122	276	1	-	-
7801 Communication equipment	-	-	-	500	-	500
7820 Office furniture & equipment	4,845	4,942	411	800	660	-
<i>O&M NON-PERSONNEL TOTAL</i>	428,974	442,449	468,555	505,421	468,821	498,540
	\$ 726,633	\$ 792,543	\$ 836,909	\$ 840,856	\$ 825,183	\$ 884,229



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility:	Susan Walker
Title:	Customer Service Manager
Telephone Ext:	6129
Dept. No:	6125

**PERFORMANCE MEASURES
FOR THE
CALL CENTER DEPARTMENT**

Department Function:

The Call Center staff responds to customer requests for 1) Move in, 2) Move out, 3) Payment Arrangements, 4) Reconnections, 5) High Bill Complaints, 6) Questions on Bills, 7) Letters of Reference, 8) Open Records research and 9) Trouble calls during regular business hours. In addition to responding to customer requests, the CSR 1) scans documents related to the customer transaction, 2) sends emails, 3) sends faxes, 4) mails letters, 5) reviews reports for quality assurance, 6) records trouble calls in the Cityworks application and 7) returns calls. CSRs attend quarterly safety meetings, bi-weekly departmental meetings and mandatory training sessions which reflect our dedication to continuous improvement. Call Center staff provides support to Customer Service and Cashier Departments when needed; and cross trained staff is available.

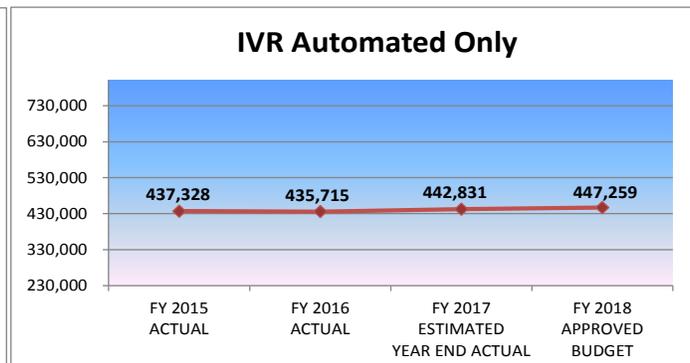
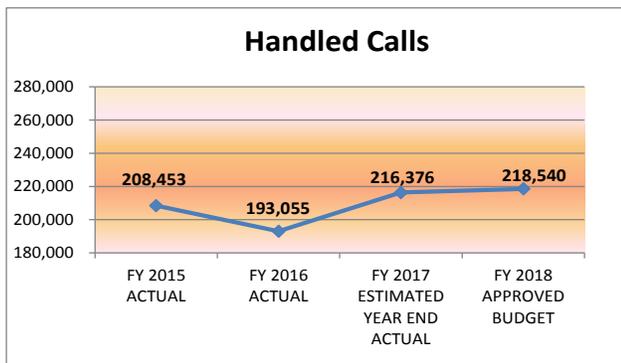
Department Goals/Objectives:

The department's goal is to provide solutions to customer utility needs, while we accurately document the transaction. By delivering excellent service while being innovative and responsive, we support the organization's mission.

INPUT MEASURES

FTE's
Personnel O & M Expenses
Non Personnel O & M Expenses
Total O & M Expenses

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
FTE's	10	11	11	12
Personnel O & M Expenses	\$ 445,705	\$ 524,988	\$ 562,826	\$ 522,027
Non Personnel O & M Expenses	\$ 8,058	\$ 6,503	\$ 7,423	\$ 58,680
Total O & M Expenses	\$ 453,763	\$ 531,491	\$ 570,249	\$ 580,707
OUTPUT MEASURES				
Handled Calls	208,453	193,055	216,376	218,540
IVR Automated Only	437,328	435,715	442,831	447,259
Total Calls	645,781	628,770	659,207	665,799
OUTCOME MEASURES				
Number of Accounts	62,799	63,750	64,750	65,650
Percent Customer Base Interactions	28%	25%	28%	28%
Average Wait Time in Minutes	5	3	3	1.3
EFFICIENCY MEASURES				
Average Cost Per Call	\$ 0.70	\$ 0.85	\$ 0.87	\$ 0.87
Transactions Handled per Agent	20,845	17,550	19,671	18,212



DEPARTMENT 6125 - CALL CENTER

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 41,614	\$ 41,864	\$ 42,246	\$ 46,051	\$ 51,467	\$ 50,956
6110 Clerical staff	253,388	253,656	295,062	278,845	305,723	293,191
6130 Overtime	8,227	4,654	1,317	6,700	1,869	1,400
6201 T.M.R.S.	43,711	40,959	56,576	57,474	62,995	61,499
6205 F.I.C.A.	18,084	17,719	19,796	20,144	20,621	21,337
6210 Medicare	4,229	4,144	4,630	4,711	4,823	4,990
6214 Dental Insurance	2,818	2,725	3,105	3,326	3,150	3,069
6215 Hospitalization insurance	68,931	65,302	88,274	96,883	93,543	91,624
6220 Life Insurance	441	440	509	387	520	405
6221 Long Term Disability Insurance	778	779	900	650	941	688
6225 Workers Compensation	7,778	7,529	8,569	8,122	8,946	8,604
6230 Vacation leave	3,577	3,690	(527)	3,879	2,444	4,164
6235 Sick leave	6,455	2,242	4,531	4,263	5,785	4,577
6240 Educational assistance	4,623	-	-	-	-	2,340
6260 Vacancy Savings	-	-	-	(25,478)	-	(26,818)
<i>O&M PERSONNEL TOTAL</i>	<u>464,653</u>	<u>445,705</u>	<u>524,988</u>	<u>505,958</u>	<u>562,826</u>	<u>522,027</u>
<i>O&M NON-PERSONNEL</i>						
7120 Office supplies	3,065	3,703	2,166	4,500	2,791	4,500
7130 Postage/shipping charges	-	-	-	100	-	100
7140 Training expenses	-	400	-	-	-	450
7145 Travel expenses	-	881	-	-	-	-
7299 Other materials & supplies	87	183	146	1,060	273	1,100
7315 Food, meals, ice, water	967	804	752	1,000	927	1,200
7645 Maintenance services	1,238	1,074	1,272	1,500	1,304	1,700
7699 Other services	-	-	415	-	-	45,850
7805 Computer equipment	-	-	-	-	-	-
7820 Office furniture & equipment	-	1,014	1,752	3,500	2,127	3,780
<i>O&M NON-PERSONNEL TOTAL</i>	<u>5,357</u>	<u>8,058</u>	<u>6,503</u>	<u>11,660</u>	<u>7,423</u>	<u>58,680</u>
	\$ 470,010	\$ 453,763	\$ 531,491	\$ 517,618	\$ 570,249	\$ 580,707



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: Norma A. Gomez
Title: CIS Support Manager
Telephone Ext: 6133
Dept. No: 6130

**PERFORMANCE MEASURES
FOR THE
METER SERVICES DEPARTMENT**

Department Function:

The Meter Services Department provides quick and accurate services (connects, disconnects, and transfers) for our customers. They provide relief to the Meter Reading Department including re-reading meters with abnormal consumption and reading regular meters. They are also responsible for cutting off at the pole and plugging sewer lines on delinquent customers.

Department Goals/Objectives:

The departmental goal includes scheduling and completing service orders for electric, water, and wastewater services to the Brownsville PUB's customers in a safe and efficient manner. The department also strives to increase the cashflow for our organization by responding to non-payment cases.

INPUT MEASURES

FTE
 Personnel O&M Costs
 Non-Personnel O&M Costs
 Total O&M Costs

OUTPUT MEASURES

of Service Orders Completed
 # of Cutoffs
 # of New Connects & Transfers
 # of Cutoffs at the Pole

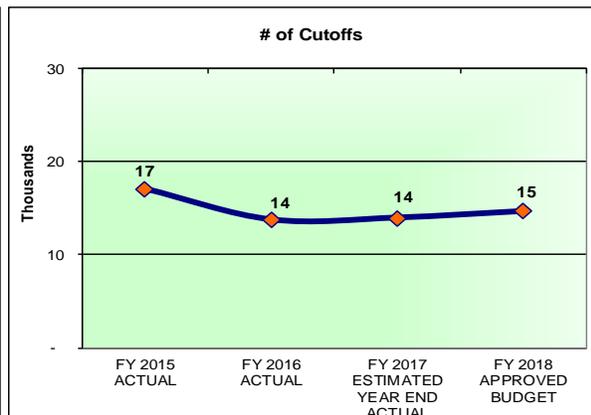
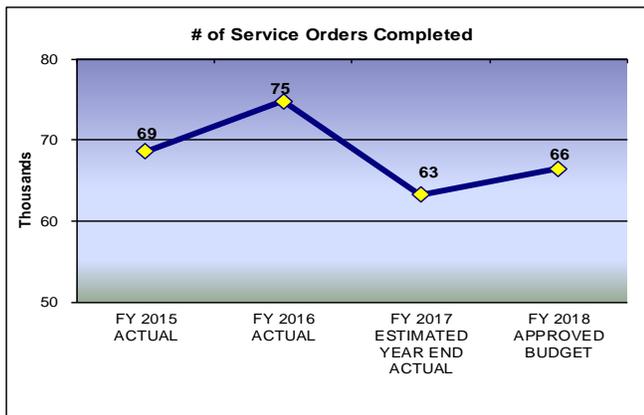
OUTCOME MEASURES

Value of Reconnect Fees
 Value of Cutoff@ Pole

EFFICIENCY MEASURES

Cost Per Service Order

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
FTE	9	9	10	10
Personnel O&M Costs	\$ 479,425	\$ 450,573	\$ 495,288	\$ 529,678
Non-Personnel O&M Costs	\$ 73,401	\$ 58,633	\$ 60,785	\$ 68,422
Total O&M Costs	\$ 552,826	\$ 509,206	\$ 556,073	\$ 598,100
# of Service Orders Completed	68,609	74,776	63,264	66,427
# of Cutoffs	17,065	13,750	13,964	14,662
# of New Connects & Transfers	16,518	16,299	16,274	16,925
# of Cutoffs at the Pole	1	-	1	1
Value of Reconnect Fees	\$ 860,400	\$ 876,975	\$ 920,824	\$ 966,865
Value of Cutoff@ Pole	\$ 150	\$ -	\$ 150	\$ 150
Cost Per Service Order	\$ 8.06	\$ 6.81	\$ 8.79	\$ 9.00



DEPARTMENT 6130 – METER SERVICES

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 8,432	\$ 35,496	\$ 11,152	\$ 35,069	\$ -	\$ 42,016
6115 Operational staff	273,479	269,034	276,566	298,584	313,570	312,963
6130 Overtime	15,938	16,424	16,573	23,225	12,248	15,000
6201 T.M.R.S.	44,618	44,376	50,433	59,023	57,162	63,435
6205 F.I.C.A.	18,646	19,344	18,109	20,686	19,299	22,009
6210 Medicare	4,361	4,524	4,235	4,838	4,513	5,147
6214 Dental Insurance	2,246	2,404	2,223	3,024	2,355	2,790
6215 Hospitalization insurance	58,917	61,530	62,104	79,694	63,310	73,564
6220 Life Insurance	408	440	412	381	436	704
6221 Long Term Disability Insurance	741	800	749	667	807	773
6225 Workers Compensation	7,843	8,166	7,643	8,341	8,076	8,874
6230 Vacation leave	2,727	4,875	(2,862)	3,672	1,561	4,295
6235 Sick leave	6,240	12,012	3,234	4,036	11,950	4,721
6260 Vacancy Savings	-	-	-	(23,296)	-	(26,614)
<i>O&M PERSONNEL TOTAL</i>	444,593	479,425	450,573	517,945	495,288	529,678
<i>O&M NON-PERSONNEL</i>						
7110 Dues & memberships	20	45	-	180	60	180
7120 Office supplies	720	792	1,043	2,000	978	2,000
7140 Training expenses	-	2,502	-	590	-	1,100
7145 Travel expenses	-	1,780	-	1,954	-	-
7180 Utilities - departmental	-	-	-	6,000	-	6,000
7225 Safety supplies	109	496	572	1,092	374	1,092
7299 Other materials & supplies	9,578	16,845	12,048	10,000	11,256	10,000
7315 Food, meals, ice, water	96	279	110	300	215	600
7325 Rental of equip/storage/land	-	7,631	7,243	7,950	7,753	7,950
7335 Wearing apparel & dry goods	5,482	8,395	12,965	8,220	13,066	9,000
7415 Fuels & lubricants	30,622	24,618	21,722	25,000	23,405	25,000
7505 Maint. of communication equipment	-	-	-	500	326	1,000
7635 Software maintenance service fees	6,930	2,930	2,930	3,223	2,930	4,000
7820 Office furniture & equipment	217	7,088	-	-	-	-
7835 Tools, shop and garage equipment	-	-	-	500	422	500
<i>O&M NON-PERSONNEL TOTAL</i>	53,774	73,401	58,633	67,509	60,785	68,422
	\$ 498,367	\$ 552,826	\$ 509,206	\$ 585,454	\$ 556,073	\$ 598,100



**B R O W N S V I L L E
P U B L I C U T I L I T I E S B O A R D**



Department Responsibility: Norma A. Gomez
Title: CIS Support Manager
Telephone Ext: 6133
Dept. No: 6135

**PERFORMANCE MEASURES
FOR THE
CIS SUPPORT DEPARTMENT**

Department Function:

This department is responsible for implementation and testing of new features and improving upon the existing features of the Utility Manager System (UMS). In addition, this department is responsible for implementation and testing rate changes on the UMS application. Staff addresses issues from users and creates reports that will allow the user to review their work faster and complete their tasks accurately. Staff also coordinates and monitors daily and nightly billing processes which include revenues from penalties and billing.

Department Goals/Objectives:

The CIS Support Department's objective is to establish new tools that will allow the Customer & Information Services Department to care for the needs of our customers efficiently. To meet the demands of customers with new tools such as the customer self-service portal and e-mail systems. To provide audit tools to the departments that will maximize our revenue and allow them to complete their tasks accurately.

INPUT MEASURES

Employees (FTE's)
O&M Expenses

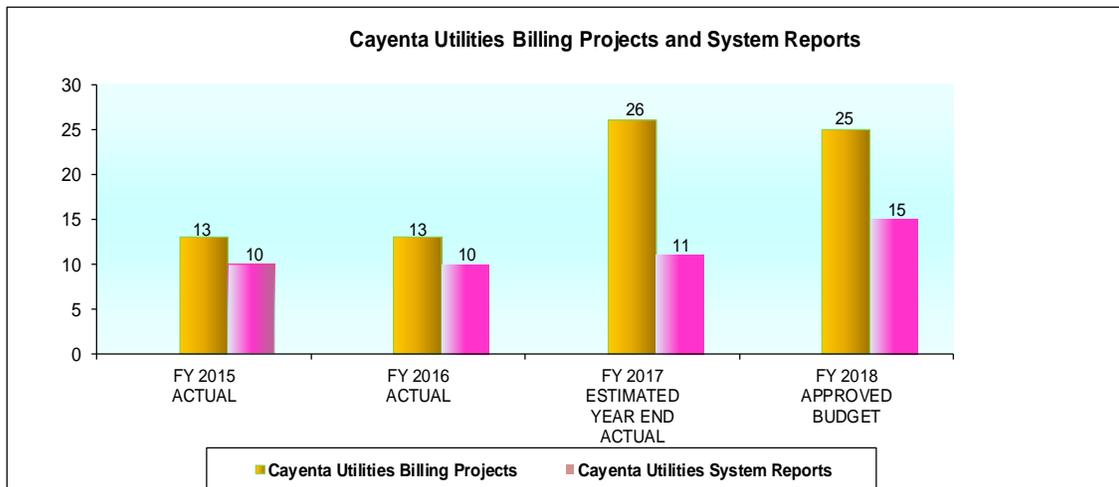
OUTPUT MEASURES

Cayenta Utilities Billing Projects
Cayenta Utilities System Reports
Training on Major Projects

OUTCOME MEASURES

Cayenta Utilities System Downtime (desire <3% daily)
Development Training Employee Success Rate (desire 100%)

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
Employees (FTE's)	3	3	3	3
O&M Expenses	\$ 414,969	\$ 379,807	\$ 426,587	\$ 480,488
Cayenta Utilities Billing Projects	13	13	26	25
Cayenta Utilities System Reports	10	10	11	15
Training on Major Projects	100%	100%	100%	100%
Cayenta Utilities System Downtime (desire <3% daily)	Yes	Yes	Yes	Yes
Development Training Employee Success Rate (desire 100%)	Yes	Yes	Yes	Yes



DEPARTMENT 6135 – CIS SUPPORT

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 79,949	\$ 80,973	\$ 80,928	\$ 80,662	\$ 84,213	\$ 85,099
6110 Clerical staff	74,891	76,077	75,783	75,046	83,010	85,677
6130 Overtime	867	1,912	363	2,977	659	500
6201 T.M.R.S.	22,200	21,635	26,144	27,545	28,909	30,518
6205 F.I.C.A.	9,374	9,374	9,502	9,654	9,924	10,588
6210 Medicare	2,192	2,192	2,222	2,258	2,321	2,476
6214 Dental Insurance	823	816	804	907	794	837
6215 Hospitalization insurance	20,205	21,387	20,443	22,754	19,886	21,004
6220 Life Insurance	210	213	214	166	222	180
6221 Long Term Disability Insurance	405	411	414	311	438	342
6225 Workers Compensation	3,893	3,974	3,940	3,893	4,084	4,269
6230 Vacation leave	(440)	1,248	(69)	1,884	278	2,066
6235 Sick leave	2,678	-	-	2,071	5,216	2,271
6260 Vacancy Savings	-	-	-	(11,125)	-	(12,049)
<i>O&M PERSONNEL TOTAL</i>	<u>217,248</u>	<u>220,210</u>	<u>220,688</u>	<u>219,003</u>	<u>239,952</u>	<u>233,778</u>
<i>O&M NON-PERSONNEL</i>						
7110 Dues & memberships	30	45	-	200	135	200
7120 Office supplies	(74)	240	915	1,800	179	1,800
7130 Postage/shipping charges	-	-	-	100	-	100
7140 Training expenses	1,750	3,700	1,625	3,000	3,150	3,100
7145 Travel expenses	1,096	4,281	4,784	3,314	2,413	3,847
7299 Other materials & supplies	279	116	175	300	197	300
7315 Food, meals, ice, water	531	387	135	500	580	600
7415 Fuels & lubricants	-	-	19	-	-	-
7635 Software maintenance service fees	119,398	183,392	129,658	172,775	136,227	190,162
7699 Other services	5,447	740	19,356	40,000	42,480	45,000
7820 Office furniture & equipment	-	1,858	2,453	-	1,274	1,600
<i>O&M NON-PERSONNEL TOTAL</i>	<u>128,458</u>	<u>194,759</u>	<u>159,119</u>	<u>221,989</u>	<u>186,635</u>	<u>246,710</u>
	\$ 345,706	\$ 414,969	\$ 379,807	\$ 440,992	\$ 426,587	\$ 480,488



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: Eddy Hernandez
Title: Director of Customer Serv/Info Tech
Telephone Ext: 6130
Dept. No: 6145

**PERFORMANCE MEASURES
FOR THE
ENERGY EFFICIENCY & CONSERVATION DEPARTMENT**

Department Function:

To promote energy efficiency and conservation amongst Brownsville PUB customers.

Department Goals/Objectives:

By promoting energy efficiency, Brownsville PUB hopes to save our customers money, to help "peak shave" and thereby reduce energy costs and to eventually serve as a virtual energy source by reducing the existing and future energy requirements of our customers.

INPUT MEASURES

Employees
 Compact Fluorescent Light (CFL, starting 2018 will be LED) Program
 Energy Efficiency Website Program
 Energy Efficiency and Conservation Rebate Program
 Commercial & industrial Rebate Program
 Combined programs
 New Homes Program

OUTPUT MEASURES

Number of Website Visits
 Number of CFLs Provided to Community
 Number of Rebates
 Number of ENERGY STAR Homes

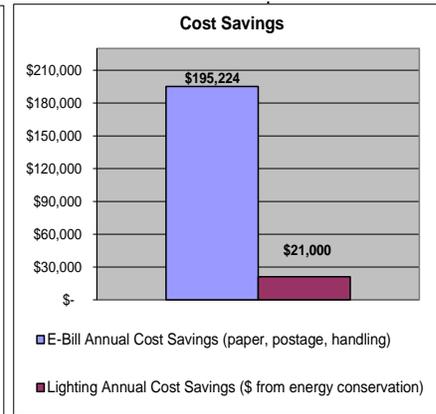
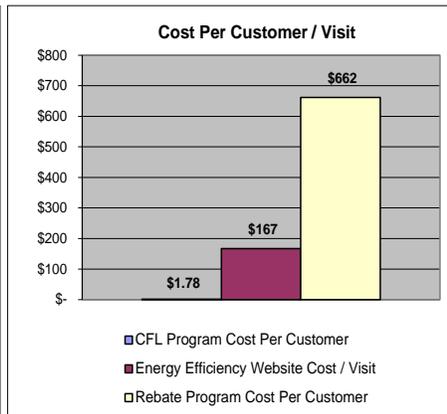
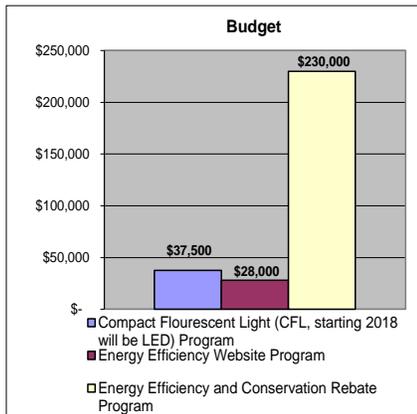
OUTCOME MEASURES

E-Bill Environmental Impact (sheets, envelopes saved)

EFFICIENCY MEASURES

CFL Program Cost Per Customer
 Energy Efficiency Website Cost / Visit
 Rebate Program Cost Per Customer
 E-Bill Annual Cost Savings (paper, postage, handling)
 Lighting Annual Cost Savings (\$ from energy conservation)

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
Employees	1	1	1	1
Compact Fluorescent Light (CFL, starting 2018 will be LED) Program	\$ 35,000	\$ 35,000	\$ 37,500	\$ 37,500
Energy Efficiency Website Program	\$ 51,000	\$ 28,000	\$ 28,000	\$ 28,000
Energy Efficiency and Conservation Rebate Program	\$ 365,000	\$ 400,000	\$ 410,000	\$ 230,000
Commercial & industrial Rebate Program	N/A	N/A	\$ 250,000	\$ 300,000
Combined programs	N/A	N/A	\$ 410,000	\$ 530,000
New Homes Program	\$ 50,000	\$ 50,000	\$ 35,000	\$ -
OUTPUT MEASURES				
Number of Website Visits	750	179	350	168
Number of CFLs Provided to Community	15,000	8,000	9,000	9,000
Number of Rebates	300	779	800	800
Number of ENERGY STAR Homes	65	100	70	-
OUTCOME MEASURES				
E-Bill Environmental Impact (sheets, envelopes saved)	110,000	148,308	152,000	153,720
EFFICIENCY MEASURES				
CFL Program Cost Per Customer	\$ 1.97	\$ 1.97	\$ 2.50	\$ 1.78
Energy Efficiency Website Cost / Visit	\$ 68	\$ 156	\$ 80	\$ 167
Rebate Program Cost Per Customer	\$ 600	\$ 514	\$ 525	\$ 662
E-Bill Annual Cost Savings (paper, postage, handling)	\$ 135,000	\$ 188,351	\$ 193,040	\$ 195,224
Lighting Annual Cost Savings (\$ from energy conservation)	\$ 21,000	\$ 21,000	\$ 21,000	\$ 21,000



DEPARTMENT 6145 – ENERGY EFFICIENCY & CONSERVATION

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6105 Administrative Staff	\$ 46,052	\$ 29,850	\$ 17,799	\$ 42,307	\$ 46,785	\$ 48,632
6201 T.M.R.S.	6,567	4,093	3,145	7,484	7,993	8,691
6205 F.I.C.A.	2,861	1,855	1,058	2,623	2,640	3,015
6210 Medicare	669	434	248	613	617	705
6214 Dental Insurance	275	178	115	302	261	279
6215 Hospitalization insurance	5,325	3,427	3,569	9,392	8,100	8,669
6220 Life Insurance	64	43	24	47	64	52
6221 Long Term Disability Insurance	121	83	46	85	123	97
6225 Workers Compensation	1,151	746	447	1,058	1,129	1,216
6230 Vacation leave	(624)	(3,109)	1,241	512	(469)	588
6235 Sick leave	2,687	(11,794)	5,736	563	1,980	647
6260 Vacancy Savings	-	-	-	(3,186)	-	(3,568)
<i>O&M PERSONNEL TOTAL</i>	<u>65,147</u>	<u>25,807</u>	<u>33,428</u>	<u>61,800</u>	<u>69,221</u>	<u>69,024</u>
<i>O&M NON-PERSONNEL</i>						
7102 Sponsorships	-	-	-	2,500	-	2,500
7105 Books & periodicals	-	-	-	200	-	200
7110 Dues & memberships	-	-	-	100	-	100
7120 Office supplies	60	51	355	200	322	400
7130 Postage/shipping charges	-	-	62	50	1,076	1,500
7140 Training expenses	365	325	1,595	3,100	-	1,800
7145 Travel expenses	1,291	927	544	4,000	1,190	2,208
7299 Other materials & supplies	137	54	25	400	-	400
7315 Food, meals, ice, water	12	12	-	25	12	100
7340 Promo Exp-Enrgy Efficiency & Consvr	27,984	25,513	27,141	37,500	26,011	37,500
7345 Rebate Exp-Enrgy Efficiency & Cnsrv	153,781	187,728	297,430	160,000	244,929	160,000
7346 Water Efficiency Program	-	-	-	10,000	10,831	10,000
7347 Commercial & Industrial Rebate Prog	-	-	143,818	250,000	193,851	250,000
7635 Software maintenance service fees	51,000	39,125	28,035	28,000	27,250	28,000
7699 Other services	-	-	-	10,000	-	10,000
7805 Computer equipment	-	-	300	250	-	250
7820 Office furniture & equipment	-	-	442	500	101	500
<i>O&M NON-PERSONNEL TOTAL</i>	<u>234,631</u>	<u>253,735</u>	<u>499,747</u>	<u>506,825</u>	<u>505,573</u>	<u>505,458</u>
	\$ 299,778	\$ 279,542	\$ 533,175	\$ 568,625	\$ 574,794	\$ 574,482



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: Norma A. Gomez
Title: CIS Support Manager
Telephone Ext: 6133
Dept. No: 6150

**PERFORMANCE MEASURES
FOR THE
METER READING DEPARTMENT**

Department Function:

The Meter Reading Department is responsible for providing reliable and timely reads on electric and water meters to the Brownsville PUB's customers in a safe and efficient manner.

Department Goals/Objectives:

The departmental goals include scheduling and performing daily meter reads which will generate timely and accurate billings.

INPUT MEASURES

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
FTE	15	15	15	14
Personnel O&M Costs	\$ 580,850	\$ 536,150	\$ 547,747	\$ 567,777
Non-Personnel O & M Costs	\$ 136,835	\$ 73,932	\$ 100,634	\$ 80,740
Total O&M Costs	\$ 717,685	\$ 610,082	\$ 648,381	\$ 648,517

OUTPUT MEASURES

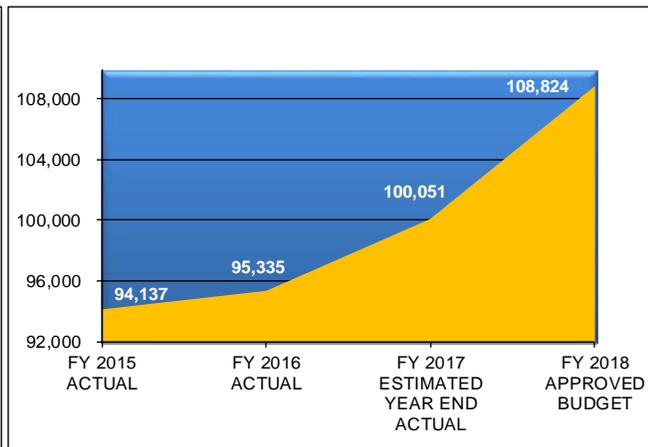
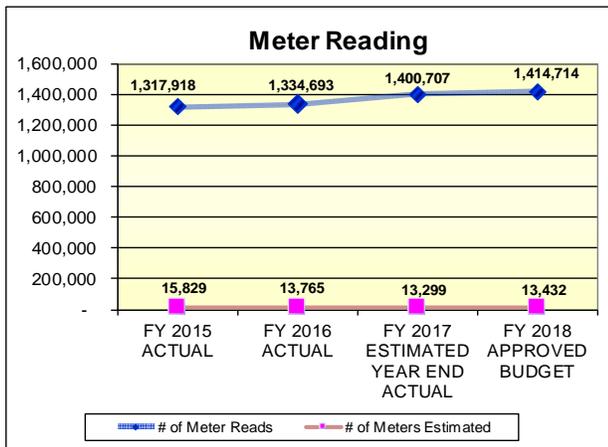
# of Meter Reads	1,317,918	1,334,693	1,400,707	1,414,714
# of Meters Estimated	15,829	13,765	13,299	13,432

OUTCOME MEASURES

% of Estimated Readings	1.20%	1.03%	0.95%	0.95%
% of Radio Frequency Meters Installed	7%	8%	8%	8%

EFFICIENCY MEASURES

Cost Per Meter Read -BPUB	\$ 0.54	\$ 0.46	\$ 0.46	\$ 0.46
Best Performer Full AMR (cost per read)	\$ 0.30	\$ 0.30	\$ 0.30	\$ 0.30
Best Performer Minimal AMR (cost per read)	\$ 0.42	\$ 0.42	\$ 0.42	\$ 0.42
Meters Read Per FTE (annual)	94,137	95,335	100,051	108,824
Meters Read Per FTE (daily)	378	383	417	453



DEPARTMENT 6150 – METER READING

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 24,072	\$ 35,496	\$ 22,353	\$ 79,290	\$ 45,450	\$ 45,552
6115 Operational staff	346,453	340,598	309,528	321,277	287,545	322,650
6130 Overtime	13,684	11,552	7,959	17,362	6,107	8,000
6201 T.M.R.S.	55,746	52,971	56,894	70,860	61,016	65,798
6205 F.I.C.A.	23,481	23,157	20,506	24,835	20,530	22,829
6206 Suta	-	1,354	4,526	-	6,627	-
6210 Medicare	5,492	5,416	4,796	5,808	4,801	5,339
6214 Dental Insurance	3,856	3,967	3,501	4,536	3,435	3,906
6215 Hospitalization insurance	89,161	93,814	88,019	113,099	90,794	102,928
6220 Life Insurance	568	582	518	484	506	452
6221 Long Term Disability Insurance	984	1,006	891	801	892	736
6225 Workers Compensation	9,776	9,734	8,678	10,014	8,796	9,205
6230 Vacation leave	(3,310)	3,843	1,821	4,631	7,697	4,455
6235 Sick leave	(21,439)	(2,641)	6,159	5,090	3,550	4,897
6260 Vacancy Savings	-	-	-	(30,317)	-	(28,970)
<i>O&M PERSONNEL TOTAL</i>	548,525	580,850	536,150	627,770	547,747	567,777
<i>O&M NON-PERSONNEL</i>						
7110 Dues & memberships	80	45	139	800	531	800
7120 Office supplies	402	472	1,245	1,000	720	2,000
7130 Postage/shipping charges	2,024	318	97	3,000	1,236	3,000
7140 Training expenses	-	214	-	-	-	-
7180 Utilities - departmental	-	571	3,325	3,300	3,374	3,300
7190 Utilities - CP&L & Mvec	502	477	500	240	97	240
7225 Safety supplies	835	1,292	1,409	3,000	1,505	3,000
7299 Other materials & supplies	9,949	10,665	2,639	22,000	10,264	10,000
7310 Federal, state, & local fees	-	100	-	100	-	100
7315 Food, meals, ice, water	1,062	618	410	600	558	1,000
7325 Rental of equip/storage/land	-	5,517	7,243	7,800	7,753	7,800
7335 Wearing apparel & dry goods	10,839	20,103	21,434	18,000	20,218	18,000
7415 Fuels & lubricants	28,626	18,793	16,950	15,000	18,096	18,000
7505 Maint. of communication equipment	-	1,040	2,085	1,500	1,274	1,500
7645 Maintenance services	10,635	2,782	15,654	10,000	10,810	11,000
7699 Other services	-	3,920	-	-	-	-
7801 Communication equipment	-	69,516	-	-	-	-
7820 Office furniture & equipment	-	178	-	-	-	-
7899 Other minor tools & equipment	203	215	802	1,000	24,199	1,000
<i>O&M NON-PERSONNEL TOTAL</i>	65,156	136,835	73,932	87,340	100,634	80,740
	\$ 613,681	\$ 717,685	\$ 610,082	\$ 715,110	\$ 648,381	\$ 648,517



**B R O W N S V I L L E
P U B L I C U T I L I T I E S B O A R D**



Department Responsibility:	Susan Walker
Title:	Customer Service Manager
Telephone Ext:	6129
Dept. No:	6160

**PERFORMANCE MEASURES
FOR THE
CASHIERS DEPARTMENT**

Department Function:

The Cashiers Department is responsible for processing payments in an efficient and effective manner. In addition, this department is responsible for controlling departmental costs and staffing levels while implementing new methods of payment processing to achieve greater efficiency. Cashiers staff provides support to Call Center and Customer Service when needed and cross-trained staff is available.

Department Goals/Objectives:

The department's goal is to provide customers with the timely processing of payments and accurate handling of both the cash/checks and credit card transactions. The department's goal includes providing support to the mission of our organization.

INPUT MEASURES

FTE's
Personnel O & M Expenses
Non-Personnel O & M Expenses
Total Expenses

OUTPUT MEASURES

Cashier Handled Payments
Automated Payments
Total Payments Processed

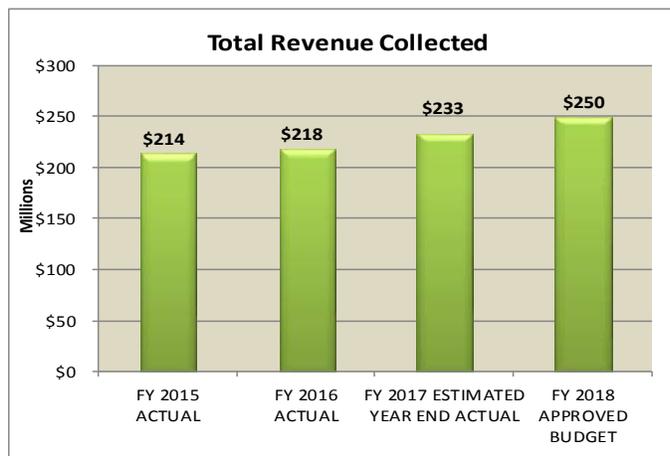
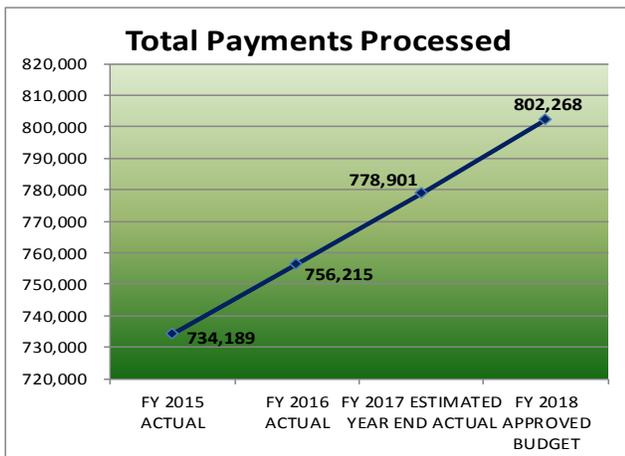
OUTCOME MEASURES

Number of Accounts
Total Revenue Collected

EFFICIENCY MEASURES

Transactions Per FTE
Cost Per Payment

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
FTE's	9	9	9	9
Personnel O & M Expenses	\$ 375,827	\$ 371,969	\$ 378,729	\$ 419,391
Non-Personnel O & M Expenses	\$ 446,815	\$ 510,771	\$ 545,735	\$ 451,534
Total Expenses	\$ 822,642	\$ 882,740	\$ 924,464	\$ 870,925
Cashier Handled Payments	338,682	348,842	359,308	370,087
Automated Payments	395,507	407,372	419,593	432,181
Total Payments Processed	734,189	756,215	778,901	802,268
Number of Accounts	62,799	63,750	64,750	65,650
Total Revenue Collected	\$ 213,844,941	\$ 218,121,840	\$ 233,390,369	\$ 249,727,695
Transactions Per FTE	91,774	94,527	97,363	100,284
Cost Per Payment	\$ 1.12	\$ 1.17	\$ 1.19	\$ 1.09



DEPARTMENT 6160 - CASHIERS

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 39,528	\$ 39,213	\$ 39,780	\$ 45,760	\$ 49,861	\$ 47,133
6110 Clerical staff	194,991	201,587	193,089	220,709	188,047	230,378
6130 Overtime	7,876	7,904	5,378	9,732	4,259	5,000
6201 T.M.R.S.	34,562	35,774	40,372	47,138	44,258	49,591
6205 F.I.C.A.	14,534	15,621	14,363	16,521	14,819	17,206
6210 Medicare	3,399	3,653	3,359	3,864	3,466	4,024
6214 Dental Insurance	2,147	2,158	2,129	2,721	1,950	2,511
6215 Hospitalization insurance	50,230	53,761	59,457	75,724	55,311	69,900
6220 Life Insurance	343	355	350	315	342	507
6221 Long Term Disability Insurance	608	631	619	533	624	594
6225 Workers Compensation	6,060	6,574	6,164	6,662	6,270	6,938
6230 Vacation leave	2,076	4,432	1,374	3,179	3,089	3,358
6235 Sick leave	14,172	4,162	5,538	3,495	6,434	3,691
6260 Vacancy Savings	-	-	-	(20,835)	-	(21,439)
<i>O&M PERSONNEL TOTAL</i>	370,525	375,827	371,969	415,518	378,729	419,391
<i>O&M NON-PERSONNEL</i>						
7120 Office supplies	3,957	7,197	7,644	9,000	5,897	10,000
7130 Postage/shipping charges	-	-	-	700	-	700
7140 Training expenses	-	-	-	-	325	325
7145 Travel expenses	-	-	-	-	905	905
7299 Other materials & supplies	1,155	286	259	4,500	-	4,500
7315 Food, meals, ice, water	772	671	709	1,000	620	1,000
7635 Software maintenance service fees	3,245	3,245	3,245	4,300	3,342	4,300
7645 Maintenance services	5,643	5,037	5,037	12,500	5,037	15,800
7650 Security services	3,622	3,763	3,345	4,400	2,466	3,004
7699 Other services	470,047	424,121	482,546	400,000	520,001	400,000
7805 Computer equipment	-	-	-	-	-	-
7820 Office furniture & equipment	3,671	2,494	7,987	11,000	7,142	11,000
<i>O&M NON-PERSONNEL TOTAL</i>	492,112	446,815	510,771	447,400	545,735	451,534
	\$ 862,637	\$ 822,642	\$ 882,740	\$ 862,918	\$ 924,464	\$ 870,925



Department Responsibility: Jovan Coblentz
 Title: Risk Manager
 Telephone Ext: 6291
 Dept. No: 7120

**PERFORMANCE MEASURES
 FOR THE
 RISK/INSURANCE MANAGEMENT DEPARTMENT**

Department Function:

The Risk/Insurance Management Department's Function is to provide risk management and insurance services to protect the utility's assets.

Department Goals/Objectives:

The purpose of the Risk/Insurance Management Department is to provide cost effective, comprehensive coverage to the utility for the most coverage at the least cost and to resolve claims and subrogate claims in a timely manner.

INPUT MEASURES

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
Employees	2	2	2	2
O&M Expenditures	\$ 2,101,642	\$ 1,956,645	2,004,232	2,488,212

OUTPUT MEASURES

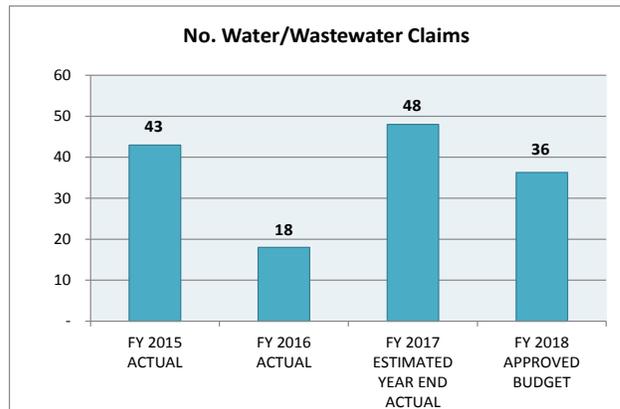
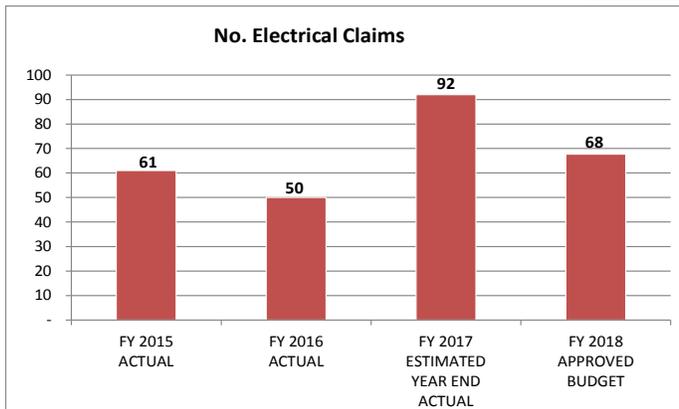
Operational Reports (monthly)	12	12	12	12
No. of Claims Filed with Insurance	113	108	117	113
No. of Paid Claims Filed with Insurance	15	6	28	16
No. of Denied Claims Filed with Insurance	73	67	63	68
Number of claims in Litigation	10	4	5	6
No. Electrical claims	61	50	92	68
No. Electrical claims Subrogated	17	7	41	22
No. Electrical claims Subrogated and paid	8	-	11	6
No. Electrical claims unable to Subrogate	24	36	32	31
No. Water/Wastewater Claims	43	18	48	36
No. Water/Wastewater Claims subrogated	12	4	12	9
No. Water/Wastewater Claims subrogated and paid	3	-	4	2
No. Water/Wastewater Claims unable to subrogate	21	11	25	19

OUTCOME MEASURES

Maintain Claims Logs	Y	Y	Y	Y
Track Timeliness of Claim Processing	Y	Y	Y	Y

EFFICIENCY MEASURES

Avg No. of Claims filed with insurance Per Month	2	8	9	6
Avg Cost of Claim (\$)	\$ 2,839.00	\$ 1,250.00	\$ 2,095.00	\$ 2,061.33
Avg No. of Subrogated Claims Per Month	2	3	2	2
Avg Electric Claim Subrogated Amount (\$)	\$ 3,712.00	\$ 1,900.00	\$ 2,093.00	\$ 2,568.33
Avg Water/Wastewater Claim Subrogated Amount (\$)	\$ 3,630.00	\$ 1,100.00	\$ 860.00	\$ 1,863.33
Avg cost of Claims in Litigation (\$)	\$ 250,000.00	\$ 123,200.00	\$ 114,584.19	\$ 114,584.19



DEPARTMENT 7120 – RISK / INSURANCE MANAGEMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ -	\$ 4,339	\$ 63,092	\$ 62,670	\$ 64,398	\$ 64,542
6105 Administrative Staff	103,215	95,741	-	35,069	-	-
6110 Clerical staff	-	-	-	-	31,078	36,130
6130 Overtime	-	-	-	-	252	300
6201 T.M.R.S.	14,716	13,630	10,576	17,290	17,384	17,990
6205 F.I.C.A.	6,309	5,972	3,810	6,060	5,944	6,242
6210 Medicare	1,475	1,397	891	1,417	1,390	1,460
6214 Dental Insurance	549	514	268	605	512	558
6215 Hospitalization insurance	13,380	13,904	8,081	16,073	13,744	14,837
6220 Life Insurance	140	138	84	102	133	108
6221 Long Term Disability Insurance	271	268	166	195	259	201
6225 Workers Compensation	2,628	2,532	1,597	2,443	2,477	2,517
6230 Vacation leave	(48)	(2,197)	723	1,332	(262)	1,218
6235 Sick leave	3,625	2,014	-	1,464	2,107	1,339
6240 Educational assistance	571	-	-	-	-	-
6260 Vacancy Savings	-	-	-	(7,856)	-	(7,229)
<i>O&M PERSONNEL TOTAL</i>	146,832	138,251	89,288	136,865	139,418	140,212
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	364	-	-	-	-
7110 Dues & memberships	880	-	343	1,300	355	300
7120 Office supplies	58	77	100	200	28	200
7130 Postage/shipping charges	489	168	175	200	147	300
7135 Telephone expenses	-	-	-	-	-	1,000
7140 Training expenses	100	1,465	-	-	400	-
7145 Travel expenses	2,659	1,314	556	-	1,212	1,000
7199 Miscellaneous office expenses	-	-	-	-	80	-
7225 Safety supplies	131	135	17	150	128	150
7299 Other materials & supplies	292	-	-	-	-	-
7315 Food, meals, ice, water	24	24	25	-	25	100
7380 Insurance - general liability	64,497	64,882	66,058	78,000	52,623	92,000
7381 Insurance - boiler,mchnry,property	1,063,925	1,046,039	1,002,998	1,300,000	1,030,357	1,200,000
7382 Insurance - blanket bond	1,582	4,040	4,141	2,000	4,191	3,000
7384 Insurance - public officials liab	74,241	73,611	67,870	80,500	66,497	80,750
7385 Insurance - comprehensive auto liab	103,845	109,393	107,236	110,000	118,506	140,000
7386 Insurance - umbrella liability	350,956	397,767	397,707	405,000	399,491	500,000
7387 Insurance - self insured damages	53,544	114,156	75,098	150,000	77,106	200,000
7388 Excess Workers Compensation	63,039	70,740	69,580	-	63,660	-
7415 Fuels & lubricants	2,293	1,986	1,200	2,000	2,036	2,000
7601 Legal Fees	-	-	4,916	10,000	-	20,000
7635 Software maintenance service fees	5,124	4,500	4,500	-	4,500	-
7699 Other services	41,545	72,730	64,836	100,000	43,473	105,000
7805 Computer equipment	-	-	-	-	-	1,800
7820 Office furniture & equipment	-	-	-	-	-	400
<i>O&M NON-PERSONNEL TOTAL</i>	1,829,224	1,963,391	1,867,357	2,239,350	1,864,814	2,348,000
	\$ 1,976,056	\$ 2,101,642	\$ 1,956,645	\$ 2,376,215	\$ 2,004,232	\$ 2,488,212



**B R O W N S V I L L E
P U B L I C U T I L I T I E S B O A R D**



Department Responsibility: Sergio Martinez
Title: Information Services Manager
Telephone Ext: 6156
Dept. No: 7130

**PERFORMANCE MEASURES
FOR THE
INFORMATION TECHNOLOGY DEPARTMENT**

Department Function:

- Provides the computing, telecommunications, and infrastructure for Brownsville PUB and supports network services and systems services.
- Information Technology Network Services: Provide hardware/software support and user training; technological support and consultation for all departments throughout Brownsville PUB; maintain client/server environment; develop and maintain infrastructure to provide connectivity and access to information; operate a centralized help desk for all technology support requests.
- Information Technology Systems Services: Provide maintenance and support of Brownsville PUB Core Business System; development and maintenance of applications; development and maintenance of web services, telephone, and special reports.

Department Goals/Objectives:

- Supply the information technology services necessary for Brownsville PUB to be effective and efficient in providing economical and friendly service to our customers.
- Plan for information systems, including evaluation and recommendation of applicable new technologies.
- Proactive support in the uses of information technology for the improvement of Brownsville PUB processes and procedures.

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 95,485	\$ 115,784	\$ 161,214	\$ 164,424	\$ 121,146	\$ 99,403
6105 Administrative Staff	526,148	594,920	652,894	739,482	750,194	828,506
6110 Clerical staff	209,440	217,167	125,121	75,005	82,423	77,272
6115 Operational staff	-	-	-	-	-	-
6130 Overtime	2,899	6,005	1,706	3,622	2,081	2,000
6201 T.M.R.S.	118,912	128,527	156,303	173,169	167,392	179,626
6205 F.I.C.A.	49,165	55,856	55,766	60,692	55,715	62,321
6210 Medicare	11,498	13,063	13,042	14,194	13,030	14,575
6214 Dental Insurance	4,313	4,731	4,415	5,140	4,286	4,743
6215 Hospitalization insurance	129,412	138,562	145,495	174,950	148,718	158,991
6220 Life Insurance	1,127	1,249	1,270	1,028	1,261	1,664
6221 Long Term Disability Insurance	2,182	2,421	2,480	1,958	2,515	2,140
6225 Workers Compensation	20,849	23,594	23,572	24,473	23,649	25,130
6230 Vacation leave	(2,844)	3,963	1,268	11,710	10,975	12,163
6235 Sick leave	17,272	(10,187)	7,147	12,871	37,632	13,369
6260 Vacancy Savings	-	-	-	(70,542)	-	(72,719)
<i>O&M PERSONNEL TOTAL</i>	<u>1,185,858</u>	<u>1,295,656</u>	<u>1,351,694</u>	<u>1,392,177</u>	<u>1,421,016</u>	<u>1,409,184</u>
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	338	58	132	300	39	300
7110 Dues & memberships	-	29	-	-	-	-
7120 Office supplies	2,804	2,309	1,277	3,500	1,633	3,500
7130 Postage/shipping charges	597	125	143	400	136	400
7135 Telephone expenses	166,132	172,971	209,637	193,500	189,692	203,500
7140 Training expenses	10,590	5,040	4,770	6,000	3,994	6,000

DEPARTMENT 7130 - INFORMATION TECHNOLOGY

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
7145 Travel expenses	3,475	6,871	11,680	7,500	1,861	7,500
7180 Utilities - departmental	3,712	9,536	5,523	5,500	3,736	4,000
7299 Other materials & supplies	14,977	26,148	16,893	7,000	5,235	7,000
7315 Food, meals, ice, water	603	835	253	1,000	516	1,000
7325 Rental of equip/storage/land	832	-	-	-	-	-
7335 Wearing apparel & dry goods	347	396	326	400	385	400
7415 Fuels & lubricants	1,573	1,232	1,089	1,000	757	1,000
7599 Maintenance / other	-	-	-	-	(497)	-
7635 Software maintenance service fees	231,856	360,227	493,156	479,500	420,058	594,400
7645 Maintenance services	219,699	168,821	148,174	150,000	196,851	218,000
7699 Other services	223	-	20,700	100,001	40,100	100,000
7801 Communication equipment	-	929	-	-	10,734	12,000
7805 Computer equipment	346,851	327,492	224,359	75,000	152,368	257,604
7806 Software licenses-new	9,134	5,944	754	1	86,512	86,000
7899 Other minor tools & equipment	-	464	-	-	-	-
<i>O&M NON-PERSONNEL TOTAL</i>	<u>1,013,745</u>	<u>1,089,426</u>	<u>1,138,865</u>	<u>1,030,602</u>	<u>1,114,110</u>	<u>1,502,604</u>
	\$ 2,199,603	\$ 2,385,082	\$ 2,490,559	\$ 2,422,779	\$ 2,535,126	\$ 2,911,788



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: Hazael Becerra
Title: GIS Manager
Telephone Ext: 6294
Dept. No: 7135

**PERFORMANCE MEASURES
FOR THE
GEOGRAPHIC INFORMATION SYSTEMS DEPARTMENT**

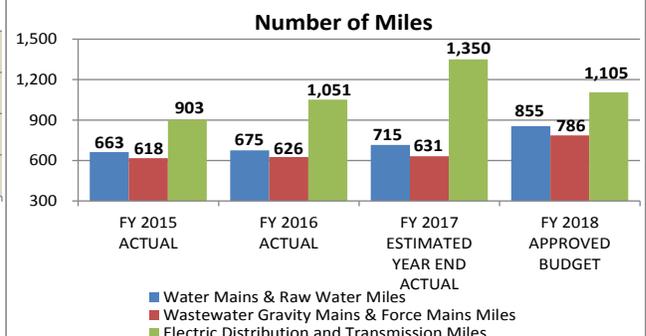
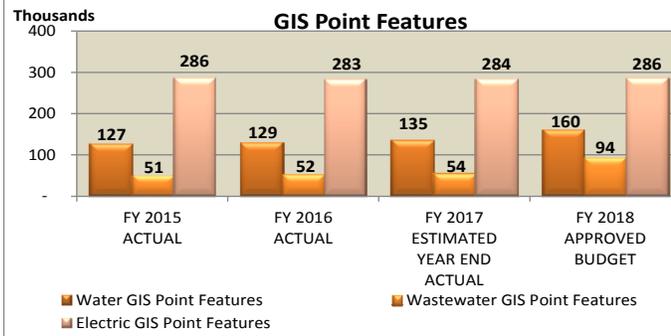
Department Function:

The Geographic Information Systems (GIS) Department plays an integral role in defining Brownsville PUB internal operational mapping needs. GIS is diligently evaluating the content, accuracy, and adequacy of existing and newly acquired data sets; identifying data needs in relation to work functions requirements; defining potential GIS applications for each department; assessing training requirements for GIS end users; reviewing areas for potential process improvements; and data sharing.

Department Goals/Objectives:

The Geographic Information System (GIS) Department is primarily responsible for the content and quality of spatial data and its related attributes in the BPUB service area. The BPUB electronic mapping system consist of the three utilities electric, water, and wastewater infrastructure and parcel data. The GIS personnel develop and maintain datasets for the benefit of BPUB internal and external customers. This data leverage allows BPUB to provide better customer service.

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
INPUT MEASURES				
Employees (FTE's)	13	11	11	10
Non-Personnel O&M Expenses	\$ 293,629	\$ 358,384	\$ 306,733	\$ 480,500
OUTPUT MEASURES				
Subdivisions	2,084	2,106	2,146	2,119
Addresses	60,906	61,391	62,500	61,866
Street Names	8,738	8,824	8,950	8,836
Parcels	92,385	92,347	92,505	92,320
Water GIS Point Features	126,639	129,417	135,000	160,199
Wastewater GIS Point Features	50,502	52,208	54,000	93,511
Electric GIS Point Features	286,348	282,816	283,915	285,931
GPS Field Inventory	32,000	29,640	31,500	35,000
Water Mains & Raw Water Miles	663	675	715	855
Wastewater Gravity Mains & Force Mains Miles	618	626	631	786
Electric Distribution and Transmission Miles	903	1,051	1,350	1,105
OUTCOME MEASURES				
Data Request	3,952	4,150	4,255	4,893
Map Production	4,050	4,300	4,550	5,232
Avg. Number of Internal Customers	485	524	612	650
Avg. Number of External Customers	250	251	314	393
EFFICIENCY MEASURES				
Avg. Number of QA/QC Electric Workorders	566	265	616	759
Avg. Number of QA/QC Electric Service Request	8,100	13,590	15,015	17,365
Avg. Number of Water/Wastewater As-Builds	250	299	389	401



DEPARTMENT 7135 - GEOGRAPHIC INFORMATION SYSTEMS

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 87,378	\$ 106,590	\$ 89,433	\$ 77,272	\$ 79,403	\$ 79,581
6105 Administrative Staff	303,798	264,609	169,579	175,101	178,020	190,848
6110 Clerical staff	172,075	164,605	179,686	181,542	165,620	165,393
6115 Operational staff	-	-	-	-	-	-
6130 Overtime	8,389	595	1,006	2,568	12,980	4,000
6201 T.M.R.S.	81,477	74,162	73,584	76,760	77,155	77,881
6205 F.I.C.A.	34,443	32,841	26,232	26,903	25,771	27,021
6206 Suta	5,537	-	-	-	-	-
6210 Medicare	8,055	7,681	6,135	6,292	6,027	6,319
6214 Dental Insurance	3,483	3,252	2,868	3,235	2,566	2,706
6215 Hospitalization insurance	91,786	86,991	87,514	98,817	82,233	85,049
6220 Life Insurance	783	761	624	479	576	476
6221 Long Term Disability Insurance	1,482	1,446	1,170	868	1,105	872
6225 Workers Compensation	14,432	13,838	11,162	10,848	10,951	10,896
6230 Vacation leave	5,060	(1,871)	(872)	5,271	6,824	5,273
6235 Sick leave	15,310	20,362	(8,614)	5,794	9,455	5,796
6240 Educational assistance	-	-	-	-	1,409	-
6242 Auto Benefits	4,615	7,500	865	-	-	-
6243 Telephone Benefits	1,034	1,680	194	-	-	-
6260 Vacancy Savings	-	-	-	(33,171)	-	(32,352)
<i>O&M PERSONNEL TOTAL</i>	839,138	785,042	640,566	638,578	660,095	629,760
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	144	132	126	300	277	300
7110 Dues & memberships	719	616	763	800	1,651	2,000
7120 Office supplies	7,328	8,628	7,786	7,500	7,404	5,000
7125 Photo equipment/supplies	-	-	-	150	63	-
7130 Postage/shipping charges	204	398	493	500	346	500
7135 Telephone expenses	226	-	-	-	60	-
7140 Training expenses	7,398	2,146	4,769	15,000	5,884	8,000
7145 Travel expenses	14,995	3,491	7,349	15,000	10,041	9,000
7225 Safety supplies	-	73	-	-	-	-
7299 Other materials & supplies	1,225	3,080	2,037	3,000	3,642	3,000
7310 Federal, state, & local fees	-	-	12	-	31	-
7315 Food, meals, ice, water	991	2,654	1,233	2,000	1,239	2,000
7325 Rental of equip/storage/land	1,857	138,535	102,774	112,000	103,160	112,000
7330 Right of way fees	9,380	51,084	44,068	55,000	33,240	55,000
7335 Wearing apparel & dry goods	1,000	1,971	3,631	3,000	3,973	3,000
7415 Fuels & lubricants	8,645	3,617	3,769	5,000	3,818	5,000
7520 Maint. of minor equipment	-	21	4,795	5,000	34	-
7605 Engineering fees	-	-	-	50,000	4,950	50,000
7635 Software maintenance service fees	102,985	71,787	131,505	150,000	110,211	180,000
7699 Other services	-	-	33,301	15,000	1,430	5,000
7805 Computer equipment	115	655	3,585	15,000	8,412	8,700
7806 Software licenses-new	336	3,374	412	30,000	645	25,000
7820 Office furniture & equipment	284	1,366	5,976	8,000	4,847	5,000
7899 Other minor tools & equipment	-	-	-	2,000	1,376	2,000
<i>O&M NON-PERSONNEL TOTAL</i>	157,832	293,629	358,384	494,250	306,733	480,500
	\$ 996,970	\$ 1,078,671	\$ 998,950	\$ 1,132,828	\$ 966,828	\$ 1,110,260



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: Dr. Emilia Guerra
Title: Director of Human Resources
Telephone Ext: 6188
Dept. No: 7140

**PERFORMANCE MEASURES
FOR THE
HUMAN RESOURCES DEPARTMENT**

Department Function:

The Human Resources Department is responsible for planning and maintaining a comprehensive human resources program for BPUB. In addition to wage, salary, and benefit administration, this department is responsible for oversight of employee issues, facilitating management-employee relations, personnel records and partnering with management to achieve the organizational strategy.

Department Goals/Objectives:

To develop human capital within Brownsville PUB through leadership and support in the following areas: employee retention; employee development; employee benefits; rewards and recognition; employee satisfaction and morale; performance management; and other employee issues.

INPUT MEASURES

Employees (FTEs)*

Total O&M Expenses

OUTPUT MEASURES

Employee Satisfaction over 90%

Issue 2 tactics completed on schedule

Gender Pay Equity (Female median earnings as a % of Males' median earnings)

OUTCOME MEASURES

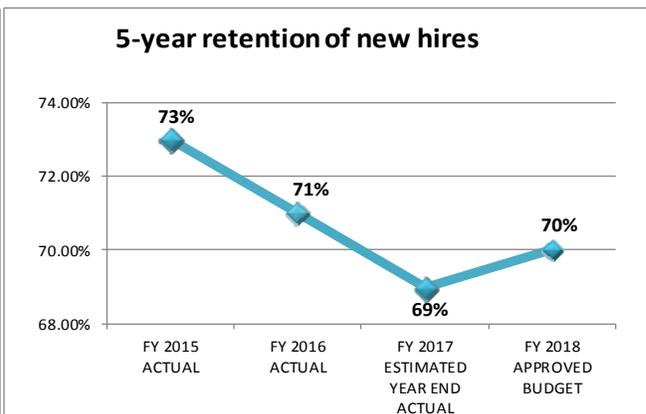
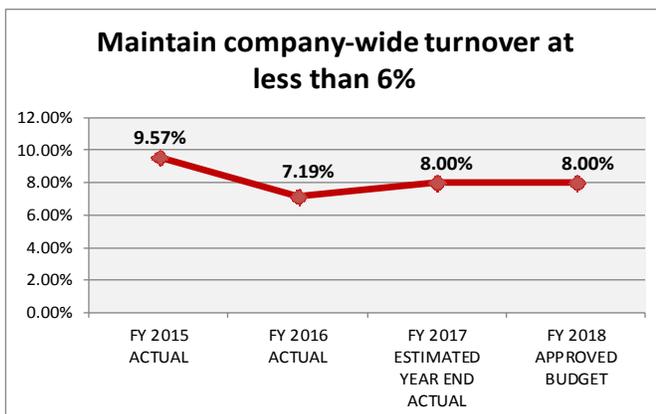
Recognition of employee for living BPUB's core values

EFFICIENCY MEASURES

Maintain company-wide turnover at less than 6%

5-year retention of new hires

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
Employees (FTEs)*	9	6	2	2
Total O&M Expenses	\$ 1,049,416	\$ 1,060,363	\$ 639,904	\$ 981,084
Employee Satisfaction over 90%	N/A ¹	90%	N/A ¹	90%
Issue 2 tactics completed on schedule	100.0%	100.0%	20.0%	100.0%
Gender Pay Equity (Female median earnings as a % of Males' median earnings)	89.2%	91.1%	91.1%	92.4%
Recognition of employee for living BPUB's core values	184	206	173	175
Maintain company-wide turnover at less than 6%	9.57%	7.19%	8.00%	8.00%
5-year retention of new hires	73%	71%	69%	70%



¹ Data not available for fiscal year

DEPARTMENT 7140 - HUMAN RESOURCES

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 112,554	\$ 215,040	\$ 206,972	\$ 125,008	\$ 128,464	\$ 128,752
6105 Administrative Staff	166,889	127,756	113,649	-	-	-
6110 Clerical staff	119,265	104,898	80,598	36,400	39,515	37,502
6130 Overtime	12,414	6,656	5,598	4,069	4,784	6,000
6201 T.M.R.S.	62,363	62,355	72,071	28,553	62,075	29,710
6205 F.I.C.A.	28,966	29,516	25,971	10,007	20,035	10,308
6210 Medicare	6,776	7,010	6,323	2,340	4,867	2,411
6214 Dental Insurance	2,452	2,484	1,919	605	1,545	558
6215 Hospitalization insurance	66,824	67,974	61,038	21,159	50,720	19,532
6220 Life Insurance	605	658	551	163	232	167
6221 Long Term Disability Insurance	1,158	1,272	1,081	323	473	333
6225 Workers Compensation	12,174	12,743	11,514	4,035	8,849	4,156
6230 Vacation leave	7,965	12,727	(7,573)	1,953	(11,291)	2,012
6235 Sick leave	18,765	21,839	(3,942)	2,147	(43,946)	2,211
6240 Educational assistance	-	1,070	1,245	-	-	5,000
6242 Auto Benefits	7,500	7,500	7,488	7,500	7,500	7,500
6243 Telephone Benefits	1,680	1,680	1,677	1,680	1,680	1,680
6250 Miscellaneous personnel benefits	61,539	67,466	109,834	326,000	64,816	280,000
6260 Vacancy Savings	-	-	-	(11,394)	-	(11,671)
6270 Retention Plan Budget	-	-	-	25,000	-	25,000
<i>O&M PERSONNEL TOTAL</i>	689,889	750,644	696,016	585,548	340,319	551,160
<i>O&M NON-PERSONNEL</i>						
7101 Advertising	9,837	25,166	-	25,000	-	20,000
7105 Books & periodicals	2,891	1,074	-	1,000	-	1,000
7110 Dues & memberships	3,364	4,370	4,046	2,800	1,043	1,624
7115 Educational material	-	871	219	5,000	36	5,000
7120 Office supplies	12,052	16,576	7,312	7,400	3,718	7,400
7130 Postage/shipping charges	109	1,121	15	900	61	900
7135 Telephone expenses	266	-	-	1,000	-	1,000
7140 Training expenses	6,911	7,694	7,103	5,000	604	8,000
7145 Travel expenses	13,434	9,569	10,532	9,000	1,179	8,000
7147 Mileage Reimbursement (InTownExp)	288	511	150	350	44	350
7150 Recruitment Expenses	5,986	1,985	-	-	-	-
7155 Initial Certificatn/Licensing Reimb	-	-	829	-	-	-
7299 Other materials & supplies	374	2,565	587	500	786	500
7315 Food, meals, ice, water	352	1,907	1,680	2,500	2,766	2,500
7322 Recognition Program	38,173	37,679	44,626	55,000	39,290	55,000
7325 Rental of equip/storage/land	3,110	4,285	5,352	4,000	3,123	5,600
7415 Fuels & lubricants	-	26	-	-	-	-
7501 Maint. of buildings & structures	-	-	-	-	5,650	-
7601 Legal Fees	21,126	42,841	127,947	100,000	127,004	84,250
7605 Engineering fees	69,583	38,815	19,528	50,000	17,676	100,000
7699 Other services	101,306	94,299	130,877	192,000	95,721	108,000
7805 Computer equipment	1,658	385	1,772	2,400	205	5,800
7806 Software licenses-new	-	95	-	10,000	-	10,000
7820 Office furniture & equipment	5,332	6,937	1,772	5,000	680	5,000
<i>O&M NON-PERSONNEL TOTAL</i>	296,151	298,772	364,347	478,850	299,585	429,924
	\$ 986,040	\$ 1,049,416	\$ 1,060,363	\$ 1,064,398	\$ 639,904	\$ 981,084



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: Joe Paredes
Title: Lead Talent Acquisition & Staffing Specialist
Telephone Ext: 6131
Dept. No: 7145

**PERFORMANCE MEASURES
FOR THE
TALENT ACQUISITION AND STAFFING DEPARTMENT**

Department Function:

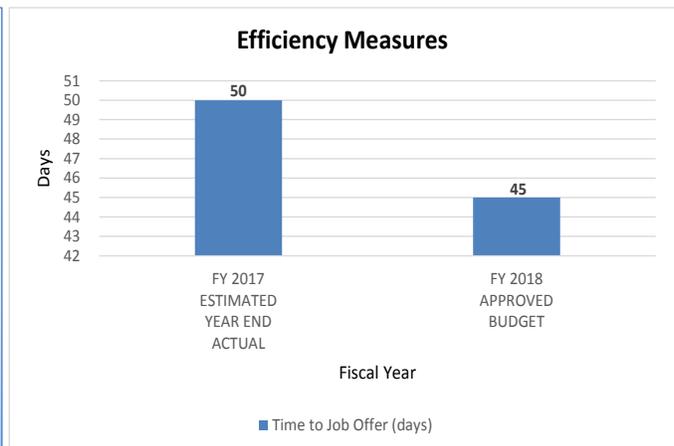
Attracting a highly qualified workforce and ensuring an effective interview process, increasing company visibility in the employment marketplace and identifying the best and most cost effective recruitment sources strategy.

Department Goals/Objectives:

To provide an invaluable service at every opportunity that greatly contributes to the organization and candidates' business success and enhance the overall outcome.

	FY 2015 ACTUAL	FY 2016* ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
INPUT MEASURES				
Employees (FTEs)	-	3	3	4
Total O&M Expenses	-	\$ 198,065	\$ 266,538	\$ 375,410
OUTPUT MEASURES				
Interviews of Prospective Employees	-	325	340	300
Job Announcements	-	45	90	90
OUTCOME MEASURES				
Interviews to Job Offers Ratio	-	44.00%	40.73%	45.28%
Acceptance Ratio (job offers made vs job offers accepted)	-	90.00%	91.96%	93.00%
EFFICIENCY MEASURES				
Recruitment Cost per Hire	-	\$ 1,500	\$ 2,379.80	\$ 3,128.42
Time to Job Offer (days)	-	60	50	45

* New department created in October 2015



DEPARTMENT 7145 – TALENT ACQUISITION & STAFFING

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ -	\$ -	\$ 44,694	\$ 58,240	\$ 18,323	\$ 38,022
6105 Administrative Staff	-	-	33,335	43,368	109,409	151,590
6110 Clerical staff	-	-	28,676	42,307	36,271	-
6130 Overtime	-	-	829	2,531	361	1,000
6201 T.M.R.S.	-	-	18,920	25,459	29,068	33,884
6205 F.I.C.A.	-	-	6,169	8,923	9,274	11,756
6210 Medicare	-	-	1,443	2,087	2,169	2,749
6214 Dental Insurance	-	-	627	907	930	1,116
6215 Hospitalization insurance	-	-	20,883	30,216	33,270	41,257
6220 Life Insurance	-	-	142	155	218	205
6221 Long Term Disability Insurance	-	-	269	288	426	379
6225 Workers Compensation	-	-	2,692	3,598	4,190	4,740
6230 Vacation leave	-	-	6,902	1,741	2,414	2,294
6235 Sick leave	-	-	11,038	1,914	(3,244)	2,522
6240 Educational assistance	-	-	-	-	3,348	7,000
6260 Vacancy Savings	-	-	-	(10,745)	-	(14,285)
<i>O&M PERSONNEL TOTAL</i>	-	-	176,617	210,988	246,426	284,230
<i>O&M NON-PERSONNEL</i>						
7101 Advertising	-	-	4,234	25,000	4,754	15,000
7105 Books & periodicals	-	-	-	500	-	500
7110 Dues & memberships	-	-	190	1,300	815	1,040
7120 Office supplies	-	-	336	3,000	569	3,000
7130 Postage/shipping charges	-	-	-	1,000	-	1,000
7135 Telephone expenses	-	-	238	1,220	-	-
7140 Training expenses	-	-	6,620	4,000	1,160	4,000
7145 Travel expenses	-	-	5,162	4,000	5,952	4,000
7147 Mileage Reimbursement (InTownExp)	-	-	439	700	-	700
7150 Recruitment Expenses	-	-	4,058	15,000	3,571	17,740
7299 Other materials & supplies	-	-	80	500	492	500
7315 Food, meals, ice, water	-	-	91	700	254	700
7325 Rental of equip/storage/land	-	-	-	-	-	1,000
7635 Software maintenance service fees	-	-	-	-	-	20,000
7699 Other services	-	-	-	20,000	30	20,000
7805 Computer equipment	-	-	-	600	1,747	2,000
7806 Software licenses-new	-	-	-	30,000	-	-
7820 Office furniture & equipment	-	-	-	900	768	-
<i>O&M NON-PERSONNEL TOTAL</i>	-	-	21,448	108,420	20,112	91,180
	\$ -	\$ -	\$ 198,065	\$ 319,408	\$ 266,538	\$ 375,410



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: Hector Quintanilla
 Title: Fleet Services Manager
 Telephone Ext: 6325
 Dept. No: 7150

**PERFORMANCE MEASURES
FOR THE
FLEET MANAGEMENT DEPARTMENT**

Department Function:

The Fleet Department is responsible for "keeping the fleet operating". The primary objective is to make repairs with the shortest "Turn Around" time and as effectively as possible, so that we may achieve a safe operating fleet and at an optimum cost/hour. Personnel are available for "stand-by" support 24 hours/day, 365 days/year. Additionally, the department is responsible for providing PUB with cost effective fleet equipment that will allow us to complete our jobs safely and efficiently.

Department Goals/Objectives:

To provide superior customer service to internal and external customers by responding immediately to concerns related to vehicles and equipment utilized by Brownsville PUB personnel.

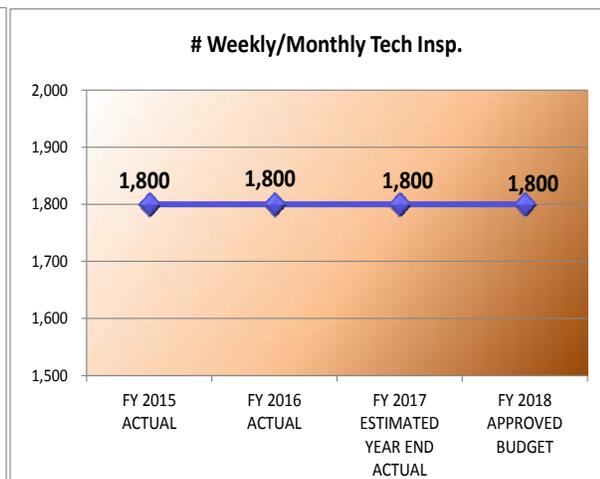
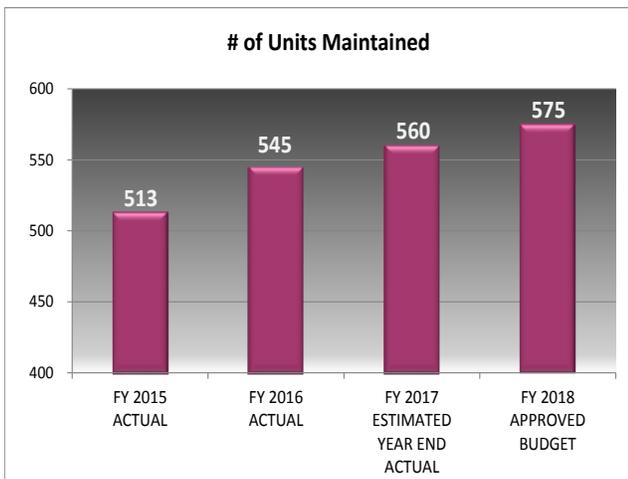
	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
# of Employees	10	10	10	10
# of Scheduled Preventive Maintenance	100	327	350	400
# State/DOT Inspections	281	300	330	350
# Safety Inspections/Month	1,800	1,800	1,800	1,800
Technicians to Equipment Ratio	1:85.8	1:90.8	1:80	1:93
OUTPUT MEASURES				
# of Units Maintained	513	545	560	575
# Weekly/Monthly Tech Insp.	1,800	1,800	1,800	1,800
# W.O. Generated	3,053	3,370	3,400	3,500

INPUT MEASURES

of Employees
 # of Scheduled Preventive Maintenance
 # State/DOT Inspections
 # Safety Inspections/Month
 Technicians to Equipment Ratio

OUTPUT MEASURES

of Units Maintained
 # Weekly/Monthly Tech Insp.
 # W.O. Generated



DEPARTMENT 7150 – FLEET MANAGEMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 59,207	\$ 49,964	\$ 52,598	\$ 59,538	\$ 62,950	\$ 61,318
6105 Administrative Staff	-	-	24,506	33,846	35,788	34,861
6110 Clerical staff	23,730	17,957	20,728	20,268	23,140	22,807
6115 Operational staff	217,824	216,282	248,751	244,658	243,175	253,156
6130 Overtime	16,873	20,876	10,136	14,997	8,102	8,009
6201 T.M.R.S.	44,631	40,646	59,425	63,385	65,311	66,502
6205 F.I.C.A.	18,948	17,872	21,429	22,215	22,403	23,073
6206 Suta	-	-	5,269	-	7,185	-
6210 Medicare	4,431	4,180	5,012	5,195	5,239	5,396
6214 Dental Insurance	1,806	1,687	2,057	2,419	2,074	2,232
6215 Hospitalization insurance	46,947	44,725	58,269	69,993	57,359	60,853
6220 Life Insurance	412	398	479	392	488	404
6221 Long Term Disability Insurance	781	757	908	717	(798)	744
6225 Workers Compensation	11,140	10,796	11,114	8,958	10,973	9,304
6230 Vacation leave	4,884	(8,072)	4,454	4,336	(592)	4,503
6235 Sick leave	(4,721)	2,070	18,181	4,766	7,080	4,949
6260 Vacancy Savings	-	-	-	(26,499)	-	(27,033)
<i>O&M PERSONNEL TOTAL</i>	446,892	420,137	543,315	529,183	549,879	531,078
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	276	-	-	3,000	-	3,000
7110 Dues & memberships	-	-	-	1,000	1,390	1,000
7120 Office supplies	2,184	1,180	6,596	6,000	3,540	4,000
7130 Postage/shipping charges	106	23	1,656	4,500	5,936	4,500
7135 Telephone expenses	-	-	238	500	-	-
7140 Training expenses	-	-	-	6,000	480	5,000
7145 Travel expenses	-	112	59	6,000	1,334	2,000
7180 Utilities - departmental	18,022	17,204	22,404	20,000	21,682	20,000
7215 Laundry & janitorial supplies	-	-	10	500	375	500
7225 Safety supplies	-	9	-	1,000	-	1,000
7293 Chemicals - other	933	433	193	1,000	1,527	2,000
7299 Other materials & supplies	56,534	59,744	60,934	40,000	58,143	42,000
7304 Hurricane Preparedness Expenses	-	-	22,890	30,000	20,605	30,000
7310 Federal, state, & local fees	2,964	1,754	5,617	7,500	4,483	7,500
7315 Food, meals, ice, water	120	414	352	1,200	623	1,200
7325 Rental of equip/storage/land	-	-	-	100	-	100
7335 Wearing apparel & dry goods	2,027	2,661	2,367	3,000	3,410	3,000
7405 Auto body repairs	22,983	14,584	8,611	15,000	15,537	15,000
7410 Batteries	13,209	15,548	16,016	17,500	18,675	15,000
7415 Fuels & lubricants	16,859	20,193	18,234	19,000	21,533	19,000
7420 Parts	295,817	295,485	396,709	280,000	335,832	280,000
7425 Road service	7,405	22,433	24,266	12,000	22,319	15,000
7430 Tires	65,964	73,656	85,115	85,000	90,418	85,000
7520 Maint. of minor equipment	-	-	413	-	-	-
7635 Software maintenance service fees	4,837	5,038	6,777	21,000	4,014	12,000
7645 Maintenance services	370,063	319,127	414,638	300,000	433,047	300,000
7699 Other services	-	-	48,949	55,000	-	72,000
7805 Computer equipment	-	381	618	1,000	-	7,000
7820 Office furniture & equipment	1,117	345	-	2,000	1,029	2,000
7835 Tools, shop and garage equipment	6,538	12,149	16,574	12,000	722	6,000
7899 Other minor tools & equipment	7,154	10,938	16,509	23,000	2,039	6,000
<i>O&M NON-PERSONNEL TOTAL</i>	895,113	873,411	1,176,744	973,800	1,068,693	960,800
	\$ 1,342,005	\$ 1,293,548	\$ 1,720,059	\$ 1,502,983	\$ 1,618,572	\$ 1,491,878



**B R O W N S V I L L E
P U B L I C U T I L I T I E S B O A R D**



Department Responsibility: Arianna Ramirez
Title: Compensation & Benefits Manager
Telephone Ext: 6190
Dept. No: 7155

**PERFORMANCE MEASURES
FOR THE
COMPENSATION & BENEFITS DEPARTMENT**

Department Function:

The Compensation & Benefits Department (C&B) is responsible for defining and implementing BPUB's compensation strategy, policy, and plan, setting compensation structures, and establishing competitive pay practices. The department also administers strategically-aligned benefits programs.

Department Goals/Objectives:

To support BPUB's recruitment and retention goals by ensuring BPUB employees receive competitive and equitable rewards for performing their jobs. To administer BPUB's core compensation plan, adjustments to core compensation, and legally required and discretionary benefits. To manage the employee relationship cycle from onboarding to offboarding.

INPUT MEASURES

Employees (FTEs)

Total O&M Expenses

OUTPUT MEASURES

Average Hourly Rate in Workforce

Number of Onboarded Employees

Number of Changes updated on HR Systems

Number of Employee Requested Changes

OUTCOME MEASURES

Wellness Program (Bi-Monthly)

Average Employee Tenure in BPUB in years

Internal Market Review Conducted As Percent of Workforce

Onboarding Ratio

EFFICIENCY MEASURES

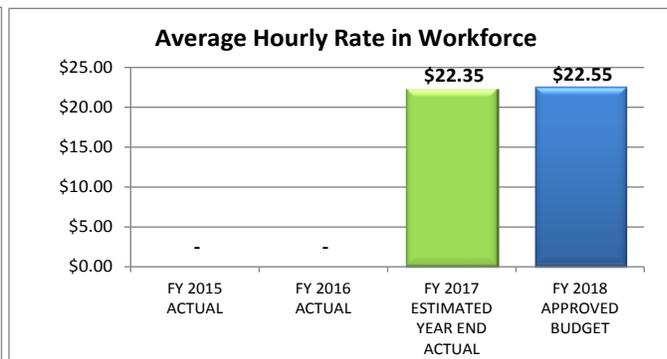
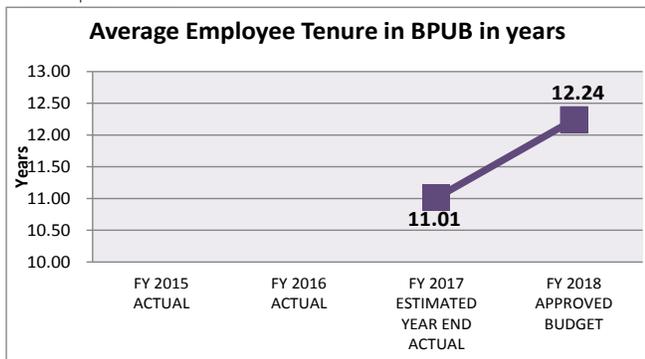
Employee Satisfaction with Benefits Program (Percent Favorable minimum 90%)

Employee Satisfaction with Compensation Package (Percent Favorable minimum 50%)

Number of C&B Staff to FTEs

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
Employees (FTEs)	-	-	4	4
Total O&M Expenses	-	-	\$ 471,791	\$ 549,496
Average Hourly Rate in Workforce	-	-	\$ 22.35	\$ 22.55
Number of Onboarded Employees	-	-	51	52
Number of Changes updated on HR Systems	-	-	1,217	1,234
Number of Employee Requested Changes	-	-	558	566
Wellness Program (Bi-Monthly)	-	-	1	6
Average Employee Tenure in BPUB in years	-	-	11.01	12.24
Internal Market Review Conducted As Percent of Workforce	-	-	11.09%	20%
Onboarding Ratio	-	-	2:3	2:3
Employee Satisfaction with Benefits Program (Percent Favorable minimum 90%)	-	-	96%	95%
Employee Satisfaction with Compensation Package (Percent Favorable minimum 50%)	-	-	48%	50%
Number of C&B Staff to FTEs	-	-	1:144	1:144

Note: New Department in 2017



DEPARTMENT 7155 – COMPENSATION AND BENEFITS

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ -	\$ -	\$ -	\$ 66,997	\$ 67,592	\$ 67,184
6105 Administrative Staff	-	-	-	102,731	115,482	101,878
6110 Clerical staff	-	-	-	42,307	20,261	57,013
6130 Overtime	-	-	-	6,000	107	500
6201 T.M.R.S.	-	-	-	37,509	40,805	40,400
6205 F.I.C.A.	-	-	-	13,146	13,550	14,017
6210 Medicare	-	-	-	3,075	3,169	3,278
6214 Dental Insurance	-	-	-	1,210	1,033	1,116
6215 Hospitalization insurance	-	-	-	41,983	35,123	38,754
6220 Life Insurance	-	-	-	225	285	238
6221 Long Term Disability Insurance	-	-	-	424	562	452
6225 Workers Compensation	-	-	-	5,301	5,929	5,652
6230 Vacation leave	-	-	-	2,463	18,850	2,736
6235 Sick leave	-	-	-	2,708	67,750	3,007
6240 Educational assistance	-	-	-	-	2,258	-
6250 Miscellaneous personnel benefits	-	-	-	55,500	7,044	50,500
6260 Vacancy Savings	-	-	-	(15,040)	-	(16,499)
<i>O&M PERSONNEL TOTAL</i>	-	-	-	366,539	399,800	370,226
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	1,500	-	1,500
7110 Dues & memberships	-	-	-	4,070	1,299	1,500
7115 Educational material	-	-	-	1,000	1,296	1,000
7120 Office supplies	-	-	-	7,400	1,719	6,000
7130 Postage/shipping charges	-	-	-	900	-	500
7135 Telephone expenses	-	-	-	2,000	(89)	1,000
7140 Training expenses	-	-	-	4,000	1,740	2,000
7145 Travel expenses	-	-	-	4,000	4,771	2,000
7147 Mileage Reimbursement (InTownExp)	-	-	-	350	-	350
7155 Initial Certificatn/Licensing Reimb	-	-	-	-	460	12,000
7299 Other materials & supplies	-	-	-	500	389	500
7315 Food, meals, ice, water	-	-	-	2,500	421	1,500
7325 Rental of equip/storage/land	-	-	-	-	-	3,000
7601 Legal Fees	-	-	-	15,000	-	15,000
7635 Software maintenance service fees	-	-	-	-	-	16,920
7699 Other services	-	-	-	75,000	55,972	85,000
7805 Computer equipment	-	-	-	3,600	56	3,600
7806 Software licenses-new	-	-	-	900	-	20,900
7820 Office furniture & equipment	-	-	-	7,500	3,956	5,000
<i>O&M NON-PERSONNEL TOTAL</i>	-	-	-	130,220	71,991	179,270
	\$ -	\$ -	\$ -	\$ 496,759	\$ 471,791	\$ 549,496



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: Jeff Stedje
Title: Facilities Maintenance Manager
Telephone Ext: 6170
Dept. No: 7160

**PERFORMANCE MEASURES
FOR THE
FACILITY MAINTENANCE DEPARTMENT**

Department Function:

This department is responsible for the facility maintenance, which includes electrical, HVAC, janitorial and plumbing work. The department is responsible for groundskeeping Brownsville PUB sites throughout the city.

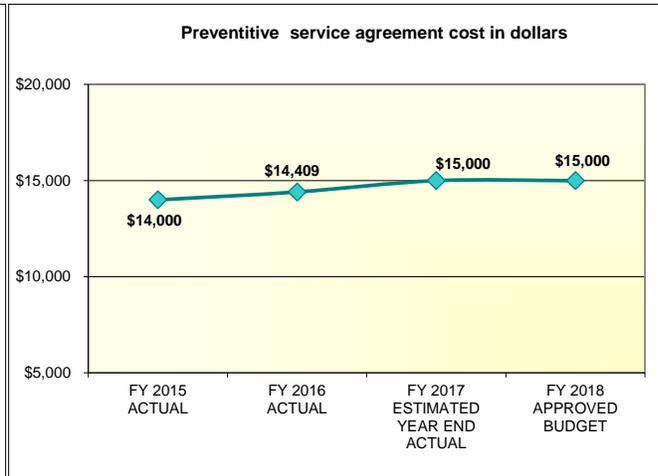
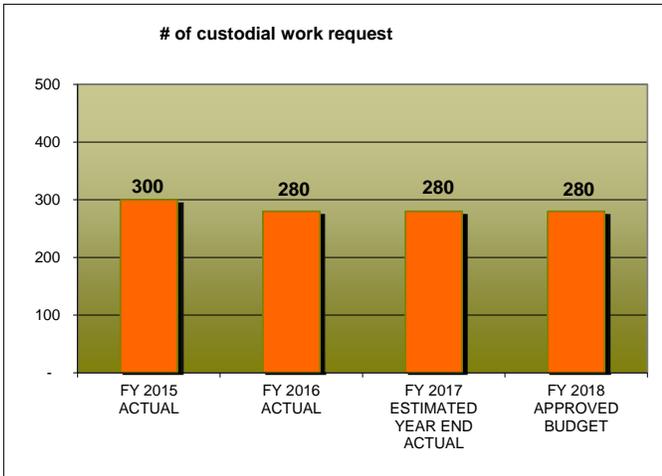
Department Goals/Objectives:

To provide superior professional service to internal and external customers by responding in a timely manner to maintenance concerns.

INPUT MEASURES

FTE
O&M Personnel Costs
O & M Non-Personnel Costs
Total Costs

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
FTE	4	4	4	4
O&M Personnel Costs	\$ 187,453	\$ 188,742	\$ 209,763	\$ 212,837
O & M Non-Personnel Costs	\$ 693,656	\$ 899,995	\$ 939,885	\$ 982,588
Total Costs	\$ 881,109	\$ 1,088,737	\$ 1,149,648	\$ 1,195,425
OUTPUT MEASURES				
# of custodial work request	300	280	280	280
Admin. Bldg. daily water consumption/gals	700	700	700	750
A/C repair cost in dollars	\$ 8,255	\$ 5,239	\$ 6,000	\$ 6,000
Preventive service agreement cost in dollars	\$ 14,000	\$ 14,409	\$ 15,000	\$ 15,000
OUTCOME MEASURES				
Maintain/ improve customer service	Yes	Yes	Yes	Yes
Improve water conservation	No	No	No	No
Limit repair cost	Yes	Yes	Yes	Yes
EFFICIENCY MEASURES				
Square Feet of Facility Maintenance	33,000	33,000	33,000	33,000
Per unit cost of A/C prevent maintenance per sq.ft.	\$ 0.674	\$ 0.595	\$ 0.636	\$ 0.636



DEPARTMENT 7160 – FACILITY MAINTENANCE

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 49,370	\$ 49,861	\$ 49,772	\$ 49,670	\$ 55,236	\$ 59,114
6115 Operational staff	69,407	71,672	73,063	72,322	79,680	83,888
6130 Overtime	1,283	1,098	1,328	1,252	1,378	1,445
6201 T.M.R.S.	17,119	16,690	20,678	21,580	25,292	25,554
6205 F.I.C.A.	6,996	7,091	7,267	7,564	8,310	8,866
6210 Medicare	1,636	1,658	1,699	1,769	1,943	2,074
6214 Dental Insurance	1,096	1,089	1,071	1,210	1,095	1,116
6215 Hospitalization insurance	30,538	31,084	32,206	36,897	33,868	34,059
6220 Life Insurance	176	178	182	144	190	163
6221 Long Term Disability Insurance	311	317	325	244	348	286
6225 Workers Compensation	3,002	3,066	3,116	3,050	3,582	3,575
6230 Vacation leave	988	331	438	1,476	2,675	1,730
6235 Sick leave	3,616	3,316	(2,404)	1,622	(3,835)	1,902
6260 Vacancy Savings	-	-	-	(9,695)	-	(10,935)
<i>O&M PERSONNEL TOTAL</i>	<u>185,537</u>	<u>187,453</u>	<u>188,742</u>	<u>189,104</u>	<u>209,763</u>	<u>212,837</u>
<i>O&M NON-PERSONNEL</i>						
7120 Office supplies	151	158	135	200	627	200
7130 Postage/shipping charges	-	280	-	-	-	-
7135 Telephone expenses	123,017	128,033	178,827	140,000	169,312	152,000
7140 Training expenses	-	-	159	2,500	200	250
7145 Travel expenses	-	-	99	2,900	904	1,500
7147 Mileage Reimbursement (InTownExp)	-	-	-	-	17	560
7180 Utilities - departmental	126,000	126,803	119,393	175,000	117,939	175,000
7210 Landscaping/Trade a Tree Program	-	3,240	-	3,000	-	5,000
7299 Other materials & supplies	96,440	53,502	114,285	75,000	64,784	71,000
7310 Federal, state, & local fees	10	10	-	10	-	10
7315 Food, meals, ice, water	48	48	49	68	49	68
7335 Wearing apparel & dry goods	827	761	702	600	812	600
7415 Fuels & lubricants	87	174	38	400	390	-
7501 Maint. of buildings & structures	10,740	860	5,400	25,000	20,497	25,000
7599 Maintenance / other	13,063	40,379	15,126	25,000	12,994	20,000
7645 Maintenance services	38,791	44,176	40,138	60,000	33,759	50,000
7650 Security services	1,440	2,340	1,125	3,000	539	1,000
7660 Ground Keeping Maintenance	148,436	196,978	293,365	325,000	304,864	350,000
7699 Other services	70,347	81,641	130,787	130,000	212,199	130,000
7820 Office furniture & equipment	500	13,873	367	500	-	400
7899 Other minor tools & equipment	3,038	399	-	-	-	-
<i>O&M NON-PERSONNEL TOTAL</i>	<u>632,935</u>	<u>693,656</u>	<u>899,995</u>	<u>968,178</u>	<u>939,885</u>	<u>982,588</u>
	\$ 818,472	\$ 881,109	\$ 1,088,737	\$ 1,157,282	\$ 1,149,648	\$ 1,195,425



**BROWNSVILLE
PUBLIC UTILITIES BOARD**



Department Responsibility: Julio Perez
Title: Warehouse Supervisor
Telephone Ext: 6181
Dept. No: 7170

**PERFORMANCE MEASURES
FOR THE
WAREHOUSE DEPARTMENT**

Department Function:

The Warehouse Department is responsible for providing adequate supply, storage, and issues of warehouse materials and supplies for proper operation of the construction and maintenance crews of Brownsville PUB. The Warehouse Department provides materials and supplies for field crews during working hours and also provides after-hours emergency issues.

Department Goals/Objectives:

To provide superior customer service to internal and external customers by responding immediately to problems.

INPUT MEASURES

Full-Time Employees
 O&M Personnel
 O&M Non-Personnel

OUTPUT MEASURES

FYE Inventory Value
 Stores Requisitions

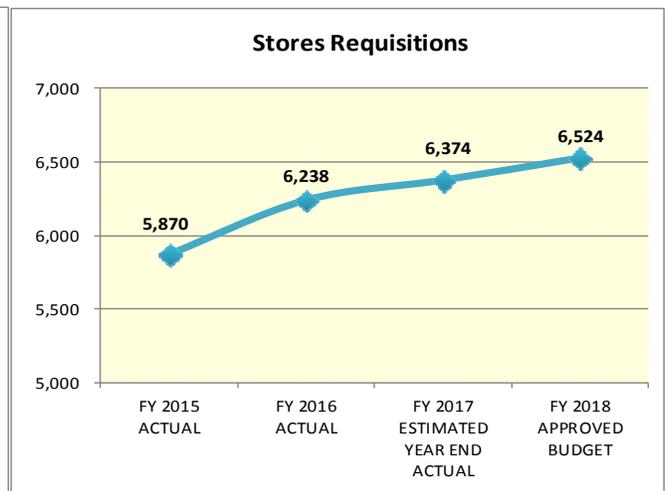
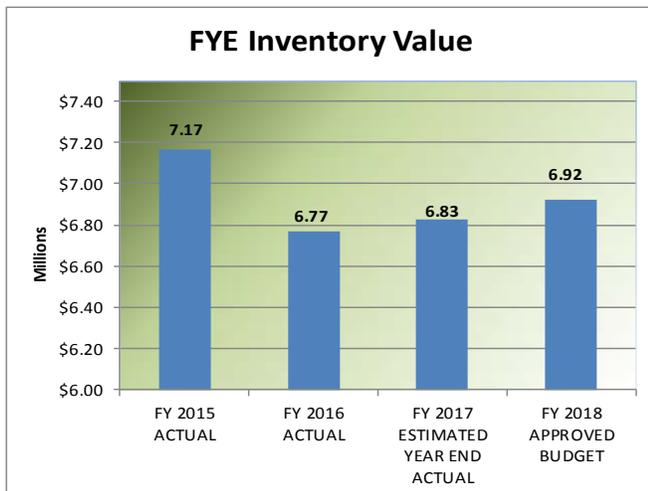
OUTCOME MEASURES

Inventory Accuracy
 Stores Issues
 # of Year-End Commodity Adjustments

EFFICIENCY MEASURES

Stores Issues per Employee
 Value of Year End Inventory Adjustments
 Average Cost of Monthly Inventory

	FY 2015 ACTUAL	FY 2016 ACTUAL	FY 2017 ESTIMATED YEAR END ACTUAL	FY 2018 APPROVED BUDGET
Full-Time Employees	6	6	6	6
O&M Personnel	\$ 184,860	\$ 268,345	\$ 293,467	\$ 302,850
O&M Non-Personnel	\$ 34,599	\$ 39,927	\$ 29,819	\$ 39,450
FYE Inventory Value	\$ 7,169,492	\$ 6,766,978	\$ 6,826,537	\$ 6,921,002
Stores Requisitions	5,870	6,238	6,374	6,524
Inventory Accuracy	92%	90%	94%	94%
Stores Issues	5,750	6,464	5,980	6,065
# of Year-End Commodity Adjustments	156	221	150	152
Stores Issues per Employee	1,917	1,616	1,495	1,516
Value of Year End Inventory Adjustments	\$ 49,130	\$ 3,472	\$ 50,000	\$ 50,000
Average Cost of Monthly Inventory	\$ 561,632	\$ 563,915	\$ 568,878	\$ 576,750



DEPARTMENT 7170 – WAREHOUSE

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 31,034	\$ 30,919	\$ 44,627	\$ 44,512	\$ 46,469	\$ 48,547
6110 Clerical staff	17,916	17,820	25,782	25,646	28,111	31,200
6115 Operational staff	70,099	69,066	98,622	98,155	108,836	113,110
6130 Overtime	2,075	3,897	2,345	4,335	1,786	2,000
6201 T.M.R.S.	17,149	16,445	29,897	29,775	32,576	34,464
6205 F.I.C.A.	7,134	7,075	10,434	10,435	10,608	11,957
6210 Medicare	1,668	1,654	2,440	2,441	2,481	2,796
6214 Dental Insurance	1,151	1,107	1,574	1,814	1,617	1,674
6215 Hospitalization insurance	27,364	28,137	45,781	53,305	49,257	51,398
6220 Life Insurance	178	178	251	203	265	225
6221 Long Term Disability Insurance	312	312	441	337	478	386
6225 Workers Compensation	4,295	4,367	4,583	4,208	4,655	4,821
6230 Vacation leave	(1,463)	1,661	(2,033)	2,037	1,591	2,334
6235 Sick leave	2,627	2,223	1,571	2,239	2,640	2,565
6240 Educational assistance	-	-	2,031	2,500	2,097	10,400
6260 Vacancy Savings	-	-	-	(13,503)	-	(15,029)
<i>O&M PERSONNEL TOTAL</i>	<u>181,539</u>	<u>184,860</u>	<u>268,345</u>	<u>268,440</u>	<u>293,467</u>	<u>302,850</u>
<i>O&M NON-PERSONNEL</i>						
7120 Office supplies	842	1,057	1,096	2,000	46	-
7215 Laundry & janitorial supplies	40	74	18	200	8	200
7225 Safety supplies	138	74	77	150	88	150
7299 Other materials & supplies	2,643	2,104	2,480	4,500	2,251	4,500
7315 Food, meals, ice, water	251	271	362	400	409	600
7335 Wearing apparel & dry goods	2,462	2,042	2,504	2,000	2,257	2,000
7415 Fuels & lubricants	1,984	1,634	1,493	2,500	1,776	2,500
7501 Maint. of buildings & structures	-	2,095	-	-	-	-
7520 Maint. of minor equipment	-	-	297	500	-	500
7645 Maintenance services	2,649	1,304	280	3,200	1,712	3,200
7699 Other services	18,562	21,595	26,829	24,000	21,012	24,000
7805 Computer equipment	-	970	3,110	-	-	-
7820 Office furniture & equipment	-	1,345	839	-	-	300
7835 Tools, shop and garage equipment	-	-	99	-	-	-
7899 Other minor tools & equipment	733	34	442	2,632	260	1,500
<i>O&M NON-PERSONNEL TOTAL</i>	<u>30,305</u>	<u>34,599</u>	<u>39,927</u>	<u>42,082</u>	<u>29,819</u>	<u>39,450</u>
	\$ 211,844	\$ 219,459	\$ 308,272	\$ 310,522	\$ 323,286	\$ 342,300



**B R O W N S V I L L E
P U B L I C U T I L I T I E S B O A R D**

Department Responsibility: Leandro G. Garcia, CPA
Title: Chief Financial Officer
Telephone Ext: 6173
Dept. No: 9110

DEPARTMENT 9110 - COMPANY - WIDE EXPENSES

Department Function:

This department meets the expenses of the Brownsville PUB for items shared company-wide. This department includes the expenses for part-time employees, obligations for SRWA, and the budget pool for company-wide contingency, maintenance services, and equipment contingency.

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6115 Operational staff	-	-	-	51,527	-	53,622
6120 Part-time staff	281,357	153,271	214,176	202,496	191,062	202,496
6130 Overtime	7,008	2,319	3,900	4,400	3,130	3,996
6201 T.M.R.S.	-	(872,392)	325,774	9,115	926	9,582
6205 F.I.C.A.	17,879	9,617	13,517	15,749	11,956	15,879
6206 Suta	10,082	397	976	-	4,691	-
6210 Medicare	4,181	2,276	3,161	3,683	2,796	3,714
6214 Dental Insurance	-	-	144	605	30	279
6215 Hospitalization insurance	350,389	299,135	312,873	430,590	356,794	442,832
6216 Other Post-Employment Benefits (ins)	1,122,644	895,643	808,372	1,000,000	831,691	900,000
6220 Life Insurance	-	-	27	59	6,886	440
6221 Long Term Disability Insurance	-	-	49	103	(67,271)	188
6225 Workers Compensation	7,209	3,890	6,067	6,351	5,201	6,403
6230 Vacation leave	-	-	189	-	377	-
6235 Sick leave	-	-	151	-	2,514	-
6240 Educational assistance	-	(4,183)	-	10,000	-	10,000
6250 Miscellaneous personnel benefits	-	-	56,866	1,954,912	-	150,000
6260 Vacancy Savings	-	-	-	127,426	-	-
<i>O&M PERSONNEL TOTAL</i>	1,800,749	489,973	1,746,242	3,817,016	1,350,783	1,799,431
<i>O&M NON-PERSONNEL</i>						
7130 Postage/shipping charges	31	478	3	-	-	-
7145 Travel expenses	-	-	506	-	-	-
7299 Other materials & supplies	(25)	(13)	528	500	-	500
7301 Bad debt expense	-	-	633,307	-	50,964	40,000
7306 SRWA O&M Assessment	2,795,503	3,585,642	3,752,642	3,719,365	3,719,365	3,844,573
7307 SRWA 2003 Dbt Svc Paym Allocation	2,147,493	2,152,371	2,158,034	2,159,360	2,159,360	2,090,064
7310 Federal, state, & local fees	-	-	-	-	23	-
7315 Food, meals, ice, water	-	-	771	-	2,093	-
7335 Wearing apparel & dry goods	55,972	10,007	7,872	10,000	7,627	10,050
7415 Fuels & lubricants	1,363	-	-	-	-	-
7697 O&M Contingency-Maintenance Pool	-	-	-	600,000	-	500,000
7698 O&M Contingency-Budget Pool	-	-	-	1,037,755	-	732,000
7699 Other services	6,314	38,244	-	55,000	79,781	1,250
7805 Computer equipment	-	-	-	50,000	-	50,000
7820 Office furniture & equipment	-	-	-	10,000	-	10,000
7899 Other minor tools & equipment	-	-	-	20,000	-	20,000
<i>O&M NON-PERSONNEL TOTAL</i>	5,006,651	5,786,729	6,553,663	7,661,980	6,019,213	7,298,437
	\$ 6,807,400	\$ 6,276,702	\$ 8,299,905	\$ 11,478,996	\$ 7,369,996	\$ 9,097,868

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Department Responsibility: Leandro G. Garcia

Title: Chief Financial Officer

Telephone Ext: 6173

Dept. No: 9150

DEPARTMENT 9150 - PRIOR FY ENCUMBERED BUDGET

Department Functions:

This department meets the prior-year expenses of the Brownsville PUB for non-routine services shared company-wide.

ACCOUNT DESCRIPTION	ACTUAL FY 2014	ACTUAL FY 2015	ACTUAL FY 2016	APPROVED BUDGET FY 2017	UNAUDITED YTD ACTUAL SEPT. 2017	APPROVED BUDGET FY 2018
<i>O&M NON-PERSONNEL</i>						
7135 Telephone expenses	\$ -	\$ -	\$ 57,280	\$ -	\$ -	\$ -
7515 Maint. of major equipment	476,969	-	-	-	-	-
7605 Engineering fees	1,022,224	118,435	99,242	-	2,823	-
7630 Construction contractor services	-	-	256,882	-	-	-
7820 Office furniture & equipment	-	-	-	-	1,876	-
<i>O&M NON-PERSONNEL TOTAL</i>	<u>1,499,193</u>	<u>118,435</u>	<u>413,404</u>	<u>-</u>	<u>4,699</u>	<u>-</u>
	\$ 1,499,193	\$ 118,435	\$ 413,404	\$ -	\$ 4,699	\$ -

CAPITAL BUDGET

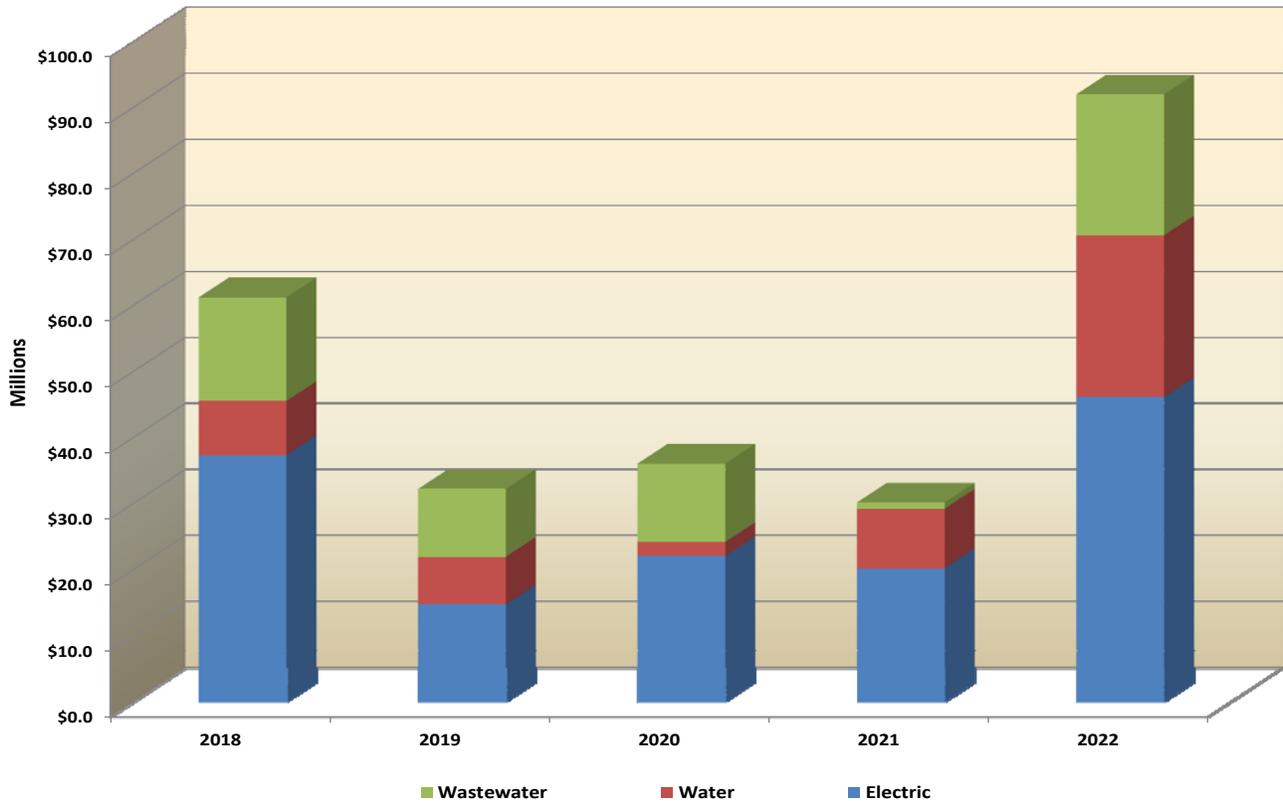
**FIVE-YEAR CAPITAL IMPROVEMENT PLAN
SUMMARY BY FUNDING SOURCE**

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FIVE-YEAR TOTAL
Improvement Fund - CIP Funding Budget:	29,543,662	10,500,000	10,500,000	7,500,000	6,500,000	64,543,662
Capitalizable Equipment Budget:	7,583,537	1,500,000	1,500,000	1,500,000	1,500,000	13,583,537
Total FY 2018 New and Carryover Spending Plan:	37,127,199	12,000,000	12,000,000	9,000,000	8,000,000	78,127,199
Impact Fees Fund Total:	1,398,526	2,383,610	2,100,000	1,200,000	1,021,000	8,103,136
Commercial Paper Funding Budget-Internal:	18,548,036	12,861,716	13,984,000	7,500,000	40,495,190	93,388,942
Commercial Paper Funding Budget-Facilities:	500,000	5,000,000	8,000,000	12,500,000	12,500,000	38,500,000
Commercial Paper Funding Budget-Tenaska:	-	-	-	-	30,000,000	30,000,000
Capitalizable Equipment Budget:	-	-	-	-	-	-
¹ Total FY 2018 New and Carryover Spending Plan:	19,048,036	17,861,716	21,984,000	20,000,000	82,995,190	161,888,942
² Grants Total:	3,693,935	-	-	-	-	3,693,935
Total Planned Projects:	61,267,696	32,245,326	36,084,000	30,200,000	92,016,190	251,813,212
Approved Budget Total for Fiscal Year 2018: \$	61,267,696					
Amended Budget Total for Fiscal Year 2017: \$					78,677,493	
% Change (2018 vs 2017):						-22.13%

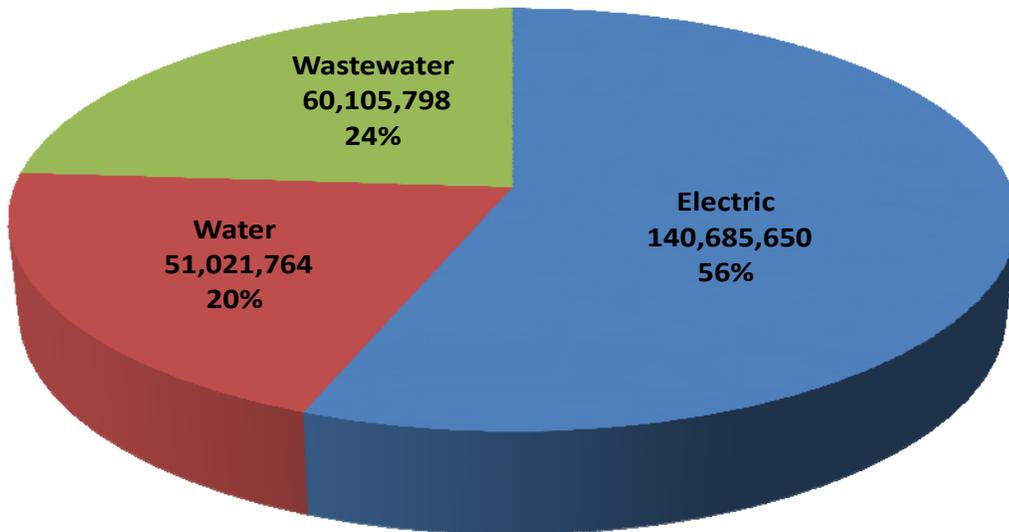
¹ Note: Total includes the carryover budget funded from the Commercial Paper Fund and future debt requirements for Fiscal Year 2018 and beyond.

² Note: Amounts indicate the estimated project costs eligible for grants administered by the relevant state and/or federal agencies.

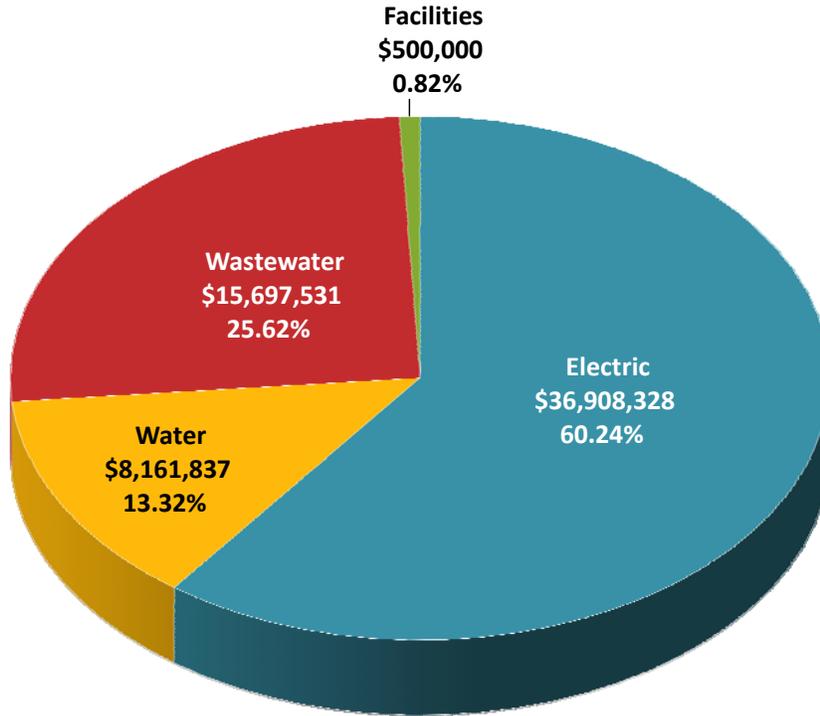
**FIVE-YEAR CAPITAL IMPROVEMENT PLAN
SUMMARY BY UTILITY CHART
\$251,813,212**



**TOTAL 5-YEAR CAPITAL IMPROVEMENT PLAN
SUMMARY BY UTILITY
\$251,813,212**



FY 2018 CAPITAL BUDGET SUMMARY
\$61,267,696

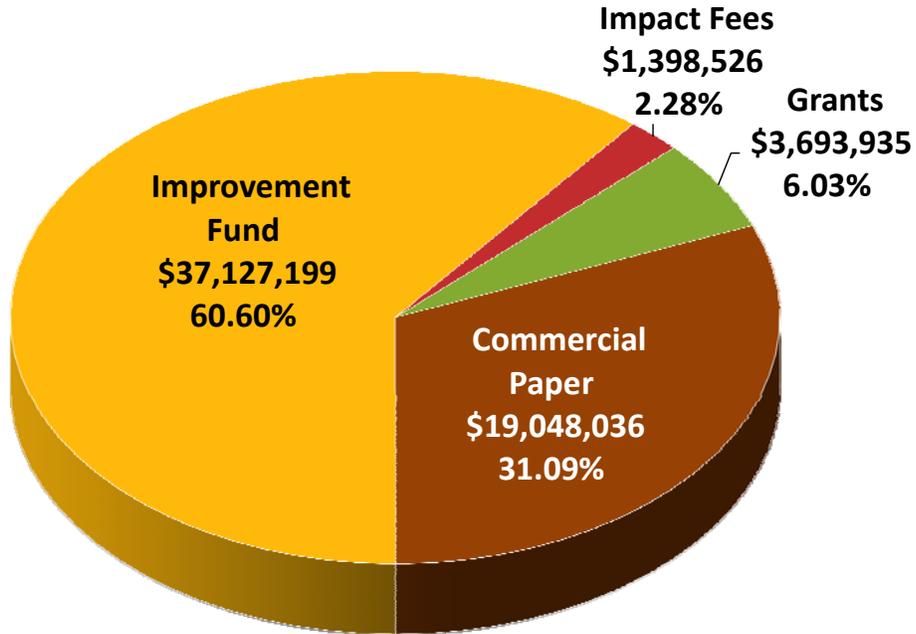


Electric	\$	36,908,328	60.24%
Water		8,161,837	13.32%
Wastewater		15,697,531	25.62%
Facilities		500,000	0.82%
TOTAL	\$	61,267,696	100.00%

Note:

General, Administrative and Customer Service projects are allocated to electric 100%.

FY 2018 CAPITAL BUDGET BY FUNDING SOURCE
\$61,267,696

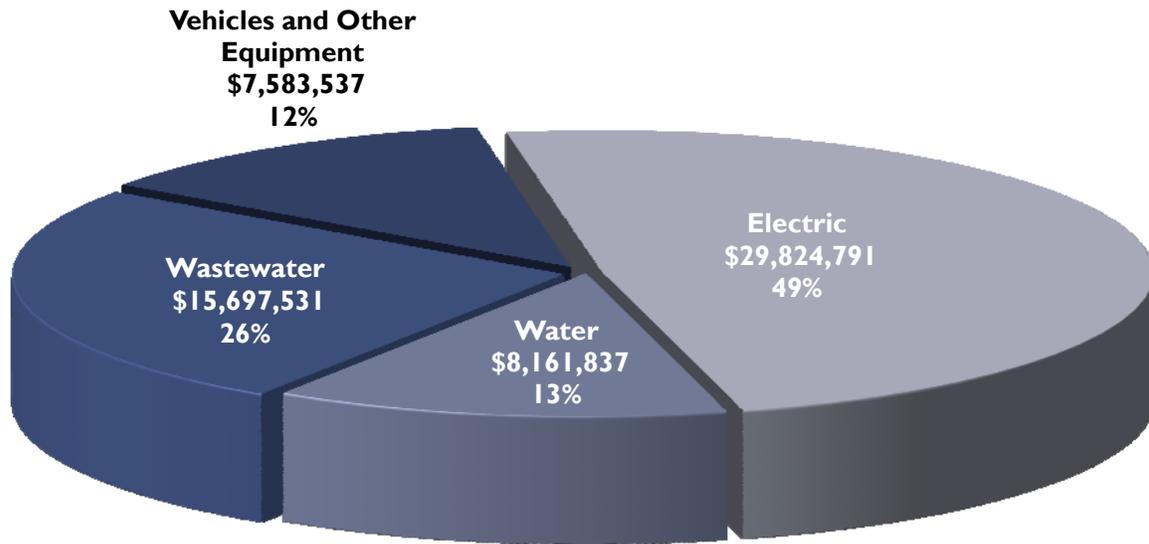


Improvement Fund	\$	37,127,199	60.60%
Impact Fees		1,398,526	2.28%
Grants		3,693,935	6.03%
Commercial Paper		19,048,036	31.09%
TOTAL	\$	61,267,696	100.00%

Note:

General, Administrative and Customer Service projects are allocated to electric 100%.

FY 2018 CAPITAL BUDGET BY SYSTEM
\$61,267,696



Electric	\$	29,824,791	43.59%
Water		8,161,837	15.34%
Wastewater		15,697,531	35.40%
Vehicles and Other Equipment		7,583,537	5.66%
TOTAL	\$	61,267,696	100.00%

Note:

General, Administrative and Customer Service projects are allocated to electric 100%.



The process of establishing the Brownsville Public Utilities Board’s (BPUB) Capital Budget involves evaluating all submitted projects, assigning them to a particular category, and then ultimately allocating resources toward top-ranked priorities. The current ranking system categorizes all Capital Improvement Projects (CIP) into four (4) categories:

Project Consideration Category Reference	
Category	General Criteria
Must Do	These projects are required for the normal course of business and to provide day-to-day customer service or system operations, to correct a health or safety condition, or are mandated by local, state, or federal agencies.
Load/Capacity Relief	These projects are identified for improved switching capability, backup reliability for critical systems, or for specific system reinforcements needed for load relief.
Reliability	These projects are solely based on an increased reliability benefit.
General	These projects are considered general spending.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE E1

Battery Bank Replacements at the Loma Alta, Midtown and Union Carbide Substations

Organization: 2120 Substations & Relaying	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Arnulfo Mejia
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$75,000	\$0	\$0	\$0	\$0	\$75,000

Description: Some of the individual cells are beginning to deteriorate. The battery posts are loose, which can cause heating and failure. In some cells, the voltage gets lower than average, which causes the need to set the bank at equalize to stabilize the bank’s voltage. Note: \$75,000 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: O&M savings would occur due to less frequent maintenance.

PROJECT REFERENCE E2

138 KV Breakers Replacement at FM 802, Military Hwy and Waterport Substations

Organization: 2120 Substations & Relaying	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: Arnulfo Mejia
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$350,000	\$0	\$0	\$0	\$0	\$350,000

Description: These high voltage breakers have mechanical problems with the operating mechanism and prevents them from opening and closing as they should. The breaker also has a “lag time”, which can cause prolonged outages and affect reliability. Note: \$200,000 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: O&M savings would occur due to less frequent maintenance.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE E3

Airport Substation, Transformer 1 Upgrade, 69 KV to 138 KV

Organization: 2120 Substations & Relaying
Project Related to: Replacements/Upgrades/Rehabilitation
Project Occurrence: One-time
Category: New

Funding Source: Improvement
Project Considered: Reliability
Originator: Arnulfo Mejia

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$300,000	\$1,200,000	\$1,200,000	\$0	\$0	\$2,700,000

Description: The 69KV transformer is more than 40 years old and has noticeable signs of deterioration. Equipment to operate this substation is now obsolete and difficult to find replacement parts. Servicing the switchgear and oil-circuit breaker also poses a safety risk for employees in the event of a breaker failure since switchgear is a walk-in unit.

Project Cost Savings & Revenues: O&M savings would occur due to less frequent maintenance.

PROJECT REFERENCE E4

Union Carbide Substation Upgrade, 69 KV to 138 KV

Organization: 2120 Substations & Relaying
Project Related to: Replacements/Upgrades/Rehabilitation
Project Occurrence: One-time
Category: New

Funding Source: Improvement
Project Considered: Reliability
Originator: Arnulfo Mejia

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$1,900,000	\$350,000	\$0	\$2,250,000

Description: The existing Union Carbide Substation is more than 40 years old. The steel structure and switchgears are rusted and deteriorating. Parts for the entire system have become obsolete; and replacement parts are hard to find.

Project Cost Savings & Revenues: O&M savings would occur due to less frequent maintenance.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE E5

Replace Legacy Overcurrent and Transformer Differential Protection Relays

Organization: 2120 Substations & Relaying	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: Arnulfo Mejia
Category: New	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$75,000	\$75,000	\$75,000	\$75,000	\$0	\$300,000

Description: Current legacy overcurrent and transformer differential protection relays are no longer supported with software or hardware upgrades. The old electrical mechanical type relays are obsolete and do not have technical support for them. Recent software that has come available is not compatible with relays that are currently in service.

Project Cost Savings & Revenues: O&M savings would occur due to less frequent maintenance.

PROJECT REFERENCE E6

Power Transformers Radiators Replacement

Organization: 2120 Substations & Relaying	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: Arnulfo Mejia
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$80,649	\$0	\$0	\$0	\$0	\$80,649

Description: The BPUB Substations & Relaying Department proposes to replace radiators that are rusting prematurely due to Brownsville’s high humidity. Once radiators begin to rust, it is difficult to stop the rusting due to the shape and construction. Note: \$80,649 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: The replacement of rusted radiators will avoid potential oil spills, which will cost thousands of dollars to clean up.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
 FY 2018 – FY 2022

PROJECT REFERENCE E7

Recloser Controls

Organization: 2130 Electric Trans. & Dist. New Construction Funding Source: Improvement
 Project Related to: Replacements/Upgrades/Rehabilitation Project Considered: Must Do
 Project Occurrence: One-time Originator: Manuel Arredondo
 Category: Carryover

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$425,000	\$0	\$0	\$0	\$0	\$425,000

Description: Currently, a small outage can cause a substation to shut down due to current fault. With the installation of the recloser, the system will be more reliable. The recloser will help isolate the fault to one specific area. Note: \$212,000 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: Better control of outages will mean more revenue.

PROJECT REFERENCE E8

Electrical SCADA Replacement of System Software and Hardware

Organization: 2210 SCADA & Electrical Support Services Funding Source: Commercial Paper
 Project Related to: Replacements/Upgrades/Rehabilitation Project Considered: Reliability
 Project Occurrence: One-time Originator: Elias Quintero
 Category: Carryover

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$2,062,000	\$0	\$0	\$0	\$0	\$2,062,000

Description: The current SCADA system was installed about eighteen years ago and is in need of an upgrade with regard to software/hardware and other key components. Note: \$2,062,000 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: Upgrades will alleviate current maintenance and reliability costs.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE E9

SCADA (Substations Communications) – Board approved on 10/10/16 and additional funds on 04/10/2017

Organization: 2210 SCADA & Electrical Support Services Funding Source: Improvement
Project Related to: Replacement/Upgrades/Rehabilitation Project Considered: Must Do
Project Occurrence: One-time Originator: Elias Quintero
Category: Carryover

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$1,023,366	\$0	\$0	\$0	\$0	\$1,023,366

Description: The current communications systems from the Substations to Supervisory Control and Data Acquisition System is outdated and will need to be replaced. The project proposes replacing all the legacy remote terminal units (RTUs) and multiplexers with new RTUs and multiplexers. The upgrade also allows added useful functionality, such as having a self-healing network, increased bandwidth and support for customer priorities and increased security with encryption. Note: \$1,023,366 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: This project will allow BPUB to increase reliability, meet forthcoming compliance issues, and avoid possible non-compliance fines and penalties with regulating entities including the Electric Reliability Council of Texas, North American Electric Reliability Corporation and Federal Energy Regulatory Commission.

PROJECT REFERENCE E10

Substation and Control Centers Video Camera Upgrade

Organization: 2210 SCADA & Electrical Support Services Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation Project Considered: Reliability
Project Occurrence: One-time Originator: Elias Quintero
Category: New

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$350,000	\$0	\$0	\$0	\$350,000

Description: Existing Cisco Video Media Software has reached end-of-sale date and is nearing end of life, which will terminate all support and patching. All video cameras are also outdated and are in constant need of repairs.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE E11

Fiber Optic for Communication Path from Loma Alta to FM 802 Substation & South Plant to Airport Substations

Organization: 2210 SCADA & Electrical Support Services
 Project Related to: Replacements/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Resubmission

Funding Source: Improvement
 Project Considered: Reliability
 Originator: Elias Quintero

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$200,000	\$0	\$0	\$0	\$0	\$200,000

Description: The existing fiber optic infrastructure does not provide a complete loop to all the substations. This prevents the multiplexer from performing a self-healing operation if the fiber is ever broken. In order to solve this problem, BPUB will run fiber from Loma Alta to the FM 802 substations and from South Plant to the Airport substations.

Project Cost Savings & Revenues: O&M savings will be seen in reduction of trouble shooting communication problems and increased reliability.

PROJECT REFERENCE E12

Electric Distribution – Improvement Carryover Projects

Organization: 2410 Electric Engineering
 Project Related to: Replacement/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Carryover

Funding Source: Improvement
 Project Considered: Must Do
 Originator: Eliazar Perez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$525,666	\$0	\$0	\$0	\$0	\$525,666

Description: This line item is the budget for the carryover projects rolled over from Fiscal Year 2017. Projects include the installation of a medium voltage switchgear for the river pumps, a new feeder at the FM 802 substation, and overhead-to-underground conversion at Downtown Market Square. Note: \$525,666 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE E13

Electric Transmission – Improvement Carryover Projects

Organization: 2410 Electric Engineering	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Eliazar Perez
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$12,092	\$0	\$0	\$0	\$0	\$12,092

Description: This line item is the budget for the carryover projects rolled over from Fiscal Year 2017. Projects include the replacement of defective transmission poles throughout the City of Brownville. Note: \$12,092 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE E14

New Connections (ED9001 & FD4000's)

Organization: 2410 Electric Engineering	Funding Source: Improvement
Project Related to: Growth	Project Considered: General
Project Occurrence: Recurring	Originator: Eliazar Perez
Category: Routine	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$844,375	\$575,000	\$575,000	\$575,000	\$575,000	\$3,144,375

Description: This project was established to meet the growing needs of the BPUB service area. It allocates funds so that BPUB can install the infrastructure needed to service new customers. Note: \$269,375 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: Revenues will result from new residential, commercial, and industrial customers.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE E15

New Subdivisions (ED5000's)

Organization: 2410 Electric Engineering
Project Related to: Growth
Project Occurrence: Recurring
Category: Routine

Funding Source: Improvement
Project Considered: General
Originator: Eliazar Perez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$898,194	\$285,000	\$285,000	\$285,000	\$285,000	\$2,038,194

Description: This project will meet the growing needs of the BPUB service area. It allocates funds so that BPUB can install the electric infrastructure needed to service new residential subdivisions.

Note: \$613,194 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: Revenues will result from new customers who average 1,000 kWh per month on their electric usage.

PROJECT REFERENCE E16

Security Light Installations (ED2000's)

Organization: 2410 Electric Engineering
Project Related to: Growth
Project Occurrence: Recurring
Category: Routine

Funding Source: Improvement
Project Considered: General
Originator: Eliazar Perez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$226,124	\$96,750	\$96,750	\$96,750	\$96,750	\$613,124

Description: Security light are installed for private residences and commercial lots throughout the City of Brownsville, providing additional revenue for BPUB. Note: \$129,374 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: Security light installation projects begin to earn revenues on the second year of a four-year contract. In addition, extra kWh is sold during the contract term.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
 FY 2018 – FY 2022

PROJECT REFERENCE E17

Street Light Installations (ED7000's)

Organization: 2410 Electric Engineering
 Project Related to: Growth
 Project Occurrence: Recurring
 Category: Routine

Funding Source: Improvement
 Project Considered: General
 Originator: Eliazar Perez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$69,314	\$50,000	\$50,000	\$50,000	\$50,000	\$269,314

Description: This project supports the installation and upgrades of BPUB street light installations that are necessary throughout the City of Brownsville. Note: \$19,314 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE E18

Trouble Calls & Service Increases (FD6000's)

Organization: 2410 Electric Engineering
 Project Related to: Growth
 Project Occurrence: Recurring
 Category: Routine

Funding Source: Improvement
 Project Considered: General
 Originator: Eliazar Perez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$1,076,324	\$855,000	\$855,000	\$917,974	\$870,035	\$4,574,333

Description: This project will allocate the funds necessary to address safety and issues with existing services. This program also allocates funds for infrastructure upgrades. Note: \$221,324 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: Service upgrades equal more revenues for BPUB in terms of increased demand charges as well as consumption.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE E19

Install a Second Power Transformer at the Waterport Substation

Organization: 2410 Electric Engineering
Project Related to: Growth
Project Occurrence: One-time
Category: Resubmission

Funding Source: Improvement
Project Considered: Reliability
Originator: Eliazar Perez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$200,000	\$942,500	\$742,500	\$0	\$0	\$1,885,000

Description: The Waterport Substation has only one 15/20/25/28 MVA, 138/12.5 power transformer, which is at 65% capacity. A new transformer needs to be added to increase reliability.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE E20

Capacitor Bank and Controller Installations

Organization: 2410 Electric Engineering
Project Related to: Growth
Project Occurrence: One-time
Category: Carryover

Funding Source: Improvement
Project Considered: Load/Capacity Relief
Originator: Eliazar Perez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000

Description: Installation of capacitor banks and controllers for six substation feeders to provide better power quality, improved reliability, and reduced losses. Note: \$150,000 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: O&M savings will be generated through reduced losses on the BPUB system.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
 FY 2018 – FY 2022

PROJECT REFERENCE E21

Install a Second Power Transformer at the Palo Alto Substation

Organization: 2410 Electric Engineering
 Project Related to: Growth
 Project Occurrence: One-time
 Category: Resubmission

Funding Source: Improvement
 Project: General
 Originator: Eliazar Perez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$0	\$765,000	\$0	\$765,000

Description: The Palo Alto Substation has only one 15/20/25 MVA power transformer, which is at 80% capacity. A new transformer needs to be added to accommodate the load from the proposed Tenaska Generation Plant.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE E22

South Plant Substation Feeder to serve new developments

Organization: 2410 Electric Engineering
 Project Related to: Growth
 Project Occurrence: One-time
 Category: Carryover

Funding Source: Improvement
 Project Considered: Reliability
 Originator: Eleazar Ruiz

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$150,000	\$0	\$0	\$0	\$0	\$150,000

Description: The BPUB proposes to extend one new distribution feeder to meet the demands of its customers. In addition to serving the significant development in this area, the proposed feeder is vital to permanently transferring load from existing circuits nearing their peak capacity. Note: \$150,000 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: A dedicated feeder will reduce the labor costs required to perform partial load transfers. The feeder will allow 3 MW of additional connections, which will provide \$500,000 in revenues over a 10-year period.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE E23

Distribution Feeder Protection

Organization: 2410 Electric Engineering
 Project Related to: Replacements/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Carryover

Funding Source: Improvement
 Project Considered: Reliability
 Originator: Eliazar Perez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$125,000	\$0	\$0	\$0	\$0	\$125,000

Description: Electric Engineering staff propose to install fuse protection to existing branch lines that directly affect main feeders. Note: \$150,000 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: The system’s reliability will be increased, resulting in less labor costs related to outage restoration.

PROJECT REFERENCE E24

Install Electrical Cable and Conduit at the Brownsville Country Club Subdivision

Organization: 2410 Electric Engineering
 Project Related to: Replacements/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Resubmission

Funding Source: Improvement
 Project Considered: Reliability
 Originator: Eliazar Perez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$2,075,155	\$0	\$0	\$0	\$0	\$2,075,155

Description: BPUB will install over 136,760 feet of electrical cable at the Brownsville Country Club Subdivision. Note: \$2,075,155 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: There will be less cost related to labor, material, and equipment for both trouble shooting and the outage restoration.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE E25

Loma Alta Switching and Distribution Substation Upgrades to Accommodate the New Sharyland Utilities Switching Station

Organization: 2410 Electric Engineering	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: Eliazar Perez
Category: New	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$200,000	\$800,000	\$1,500,000	\$0	\$0	\$2,500,000

Description: The Loma Alta Switching Station was built in the early 1980’s and is a 69/12.5 KV system. The 12.5 KV breakers and protections relays have become obsolete; and replacement parts are difficult to find. The 12.5 KV switchgear is also deteriorating along with existing disconnect switches.

Project Cost Savings & Revenues: O&M savings would occur due to less frequent maintenance.

PROJECT REFERENCE E26

Amfels OH to URD Conversion Project

Organization: 2410 Electric Engineering	Funding Source: Improvement
Project Related to: Growth	Project Considered: General
Project Occurrence: One-time	Originator: Eliazar Perez
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$191,488	\$0	\$0	\$0	\$0	\$191,488

Description: Keppel Amfels requested the conversion of 1,400 feet of three-phase overhead primary line to underground. Note: \$191,488 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE E27

345KV Transmission Line from Tenaska to Loma Alta Substation

Organization: 2410 Electric Engineering

Funding Source: Improvement & Commercial Paper

Project Related to: Growth

Project Considered: Must Do

Project Occurrence: One-time

Originator: Eliazar Perez

Category: Carryover

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$100,496	\$0	\$0	\$0	\$18,250,000	\$18,350,496

Description: Design, engineering, materials and installation of the 345 KV transmission line from the proposed Tenaska Generating Station to the Loma Alta Substation. Note: \$100,496 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE E28

Purchase and Installation of New Lighting Fixtures at the Brownsville Events Center

Organization: 2410 Electric Engineering

Funding Source: Improvement

Project Related to: Replacements/Upgrades/Rehabilitation

Project Considered: General

Project Occurrence: One-time

Originator: Eliazar Perez

Category: Carryover

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$382,345	\$0	\$0	\$0	\$0	\$382,345

Description: The City of Brownsville Parks and Recreation Department along with City of Brownsville Event Center Management have made the request to remove 52 rusted ornamental steel poles with fixtures and replace with ornamental concrete poles with LED fixtures. Note: \$382,345 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE E29

Feeder Utility Pole Replacement Project Off of Boca Chica Blvd and Other Locations in the City of Brownsville

Organization: 2410 Electric Engineering	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: General
Project Occurrence: One-time	Originator: Eliazar Perez
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$49,519	\$0	\$0	\$0	\$0	\$49,519

*Description: Replace 37 poles on the feeder that were found to be defective. Three poles of the 37 poles will be replaced with 35ft concrete poles along with relocating any lights from old poles to new poles.
Note: \$49,519 is the FY 2017 carryover amount.*

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE E30

Transfer Switch at VRMC

Organization: 2410 Electric Engineering	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: Eliazar Perez
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$78,936	\$0	\$0	\$0	\$0	\$78,936

*Description: Replace automatic transfer switch located at Valley Regional Medical Center (VRMC).
Note: \$78,936 is the FY 2017 carryover amount.*

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE E31

Power Plant Distribution Substation Upgrade, 69KV to 138 KV (Board-Approved on 06/12/17 for \$1,000,000)

Organization: 2410 Electric Engineering	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: Eliazar Perez
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$3,053,269	\$681,731	\$0	\$0	\$0	\$3,735,000

Description: This station is a 69/12.5 KV system. The 12.5 KV breakers and protection relays have become obsolete, and finding replacement parts is difficult. The switchgear is a walk-in unit, meaning that the 12.5 KV breakers are located inside the switchgear making it a safety risk for employees in the event of a breaker failure; the 12.5 KV switchgear is also deteriorating. Note: \$3,053,269 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: There will be less costs related to equipment maintenance and part replacement.

PROJECT REFERENCE E32

Schneider ArcFM Fiber Manager Integration with GIS

Organization: 7135 Geographic Information Systems	Funding Source: Improvement
Project Related to: Growth	Project Considered: Reliability
Project Occurrence: One-time	Originator: Hazael Becerra
Category: New	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$45,000	\$0	\$0	\$45,000

Description: This project will provide an environment of software and hardware for the testing of patches, fixes and new software versions without jeopardizing the integrity of the GIS production environment.

Project Cost Savings & Revenues: Having a highly available and reliable GIS will save time when responding to customer service calls and reduce judgment mistakes when BPUB crews are troubleshooting.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE E33

Improvements Submitted by Staff for Electric Utility

Organization: 7135 Geographic Information Systems
Project Related to: Growth
Project Occurrence: One-time
Category: Resubmission

Funding Source: Improvement
Project Considered: Must Do
Originator: Jesus Alfaro

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$0	\$0	\$150,000	\$150,000

Description: Improvements submitted by staff for the Electric Utility.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE E34

Brownsville Electric Generating Station – Planning & Development Services

Organization: 1145 Electrical Systems
Project Related to: Growth
Project Occurrence: One-time
Category: Carryover

Funding Source: Improvement
Project Considered: Must Do
Originator: Eli Alvarez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$51,007	\$0	\$0	\$0	\$0	\$51,007

Description: Planning and development services for the new Tenaska Brownsville Generation Station.

Note: \$51,007 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE E35

Cross Valley Natural Gas Pipeline

Organization: 1145 Electrical Systems
Project Related to: Growth
Project Occurrence: One-time
Category: Carryover

Funding Source: Improvement
Project Considered: Must Do
Originator: Eli Alvarez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$2,459,042	\$0	\$0	\$0	\$0	\$2,459,042

Description: Engineering and feasibility services and right-of-way for the proposed natural gas pipeline to the new Tenaska Brownsville Generation Station. Note: \$2,459,042 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE E36

Environmental Building Rehabilitation

Organization: 1420 Environmental Compliance
Project Related to: Replacements/Upgrades/Rehabilitation
Project Occurrence: One-time
Category: Carryover

Funding Source: Improvement
Project Considered: Must Do
Originator: Ramiro Capistran Jr.

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$202,000	\$0	\$0	\$0	\$0	\$202,000

Description: The overall condition of the building has deteriorated over its eighteen years of life. No major rehabilitation work has been performed since construction. The two indoor/outdoor fans are inoperable, rusted and deteriorated. Two of the three entrance doors do not shut properly and have rusted hinges and door knobs. The insulation is bulging out of its original location. The oil tank pump is inoperable. The crane is undersized for the larger transformers; and the manual garage doors have rusted. Note: \$202,000 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: Cost savings is generated indirectly. Fines/fees for violation can far exceed the equipment cost or the cost resulting from stopping operations.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE E37

Hidalgo Capital Improvements

Organization: 2220 Power Production
 Project Related to: Replacement/Upgrades/Rehabilitation
 Project Occurrence: Recurring
 Category: Routine

Funding Source: Improvement
 Project Considered: Load/Capacity Relief
 Originator: Rolando Lozano

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$397,385	\$175,000	\$0	\$0	\$0	\$572,385

Description: BPUB will incur capital improvements expenditures for the Hidalgo Energy Center from upgrading or replacing equipment or systems that have reached the end of their life cycle, failed prematurely or require enhancement for economic reasons. Note: \$147,385 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: Implementation of Capital Projects will improve the plant's overall reliability and availability, reducing costly repairs.

PROJECT REFERENCE E38

Oklaunion Capital Improvements

Organization: 2220 Power Production
 Project Related to: Replacement/Upgrades/Rehabilitation
 Project Occurrence: Recurring
 Category: Routine

Funding Source: Improvement
 Project Considered: Reliability
 Originator: Rolando Lozano

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$3,775,195	\$1,546,612	\$0	\$0	\$0	\$5,321,807

Description: Capital budgeting for Oklaunion Power Station will be for various minor and major capital projects throughout the year. Note: \$1,730,370 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: Implementation of Capital Projects will improve the plant's overall reliability and availability, reducing costly repairs.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE E39

Unit 6 Circulation Line Repair and Infrastructure Improvement

Organization: 2220 Power Production	Funding Source: Improvement
Project Related to: Replacement/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Rolando Lozano
Category: New	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$1,104,970	\$0	\$0	\$1,104,970

Description: This 54-year-old water line circulates cooling water from the cooling tower to the Unit 6 condenser but has recently begun to leak near the building foundation; a breach in the pipeline can threaten critical above ground infrastructure.

Project Cost Savings & Revenues: Reduced energy in pumping, water losses and elimination of downtime and repair costs due to underground water leaks.

PROJECT REFERENCE E40

Unit 6/9 GSU Project

Organization: 2220 Power Production	Funding Source: Improvement
Project Related to: Emergency	Project Considered: Load/Capacity Relief
Project Occurrence: One-time	Originator: Rolando Lozano
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$310,000	\$0	\$0	\$0	\$0	\$310,000

Description: Unit 6 generator step-up (GSU) transformer is 1961 vintage equipment that requires replacement due to test indications of impending failure. Unit 6 operates in combined cycle and is the most efficient unit at the Silas Ray Power Plant. Note: \$110,000 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: New equipment will provide greater efficiency and lessened risk of loss which results in higher cost for insurance coverage. Newer cooler operating equipment will result in lower operating costs.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE E41

Unit 6/9 Protective Relay System Upgrade

Organization: 2220 Power Production
 Project Related to: Replacement/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Carryover

Funding Source: Improvement
 Project Considered: Must Do
 Originator: Rolando Lozano

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$375,000	\$0	\$0	\$0	\$0	\$375,000

Description: Replacement of obsolete electromechanical relay systems for Unit 6 and Unit 9 generator and auxiliary power systems, as recommended by the BPUB insurance carrier, will improve system reliability, assure NERC reliability compliance and reduce potential arc flash hazards in the working environment. Note: \$200,000 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: BPUB in-house relay maintenance services will be able to perform routine calibration and check as opposed to using outside service vendors.

PROJECT REFERENCE E42

Unit 10 Chiller Cooling Tower Replacement

Organization: 2220 Power Production
 Project Related to: Replacement/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Carryover

Funding Source: Improvement
 Project Considered: Must Do
 Originator: Rolando Lozano

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$500,000	\$0	\$0	\$0	\$0	\$500,000

Description: Replacement of cooling tower designed for the specific application to reduce maintenance cost, liability and improve performance. Note: \$50,000 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: Cost reduction through improved performance is expected but not yet quantified.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE E43

Unit 10 Ovation Control Upgrade

Organization: 2220 Power Production
 Project Related to: Replacement/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: New

Funding Source: Improvement
 Project Considered: Reliability
 Originator: Rolando Lozano

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$684,803	\$0	\$0	\$0	\$0	\$684,803

Description: The system is not supported by the manufacturer without an extensive and expensive upgrade. The system does not meet the operations needs of the plant; and, in time, the system will require an extensive upgrade beyond just the controls.

Project Cost Savings & Revenues: Non-proprietary open architectural components will facilitate a faster and more economical turn around on repairs.

PROJECT REFERENCE E44

Unit 6 Heat Recovery Steam Generator (HRSG) Improvement

Organization: 2220 Power Production
 Project Related to: Replacement/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Resubmission

Funding Source: Commercial Paper
 Project Considered: Must Do
 Originator: Rolando Lozano

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$2,135,000	\$0	\$0	\$2,135,000

Description: This project is for the replacement of the HRSG economizer that preheats the boiler-feed water for Unit 6. Occasional leaks in that section have occurred in the past, largely due to a combination of corrosion and cycling of the unit.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE E45

Unit 6/9 Combined Cycle Systems Upgrade

Organization: 2220 Power Production
 Project Related to: Replacement/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Resubmission

Funding Source: Commercial Paper
 Project Considered: Must Do
 Originator: Rolando Lozano

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$1,489,000	\$0	\$0	\$1,489,000

Description: Combined, Unit 6 and 9 represent the most fuel efficient generating resource for the plant. The steam turbine governor is an analog mechanical/hydraulic governor for which wear and control issues have been cited by the original equipment manufacturer, Siemens Energy.

Project Cost Savings & Revenues: O&M costs associated with staff involvement from NERC Compliance, Risk Management and Energy Control Center Operations will be reduced.

PROJECT REFERENCE E46

Existing Carryover and Estimated Capital Equipment

Organization: 9110 Company wide Expenses
 Project Related to: Growth
 Project Occurrence: One-time
 Category: New & Carryover

Funding Source: Improvement
 Project Considered: Load/Capacity Relief
 Originator: Company-wide

Estimated Costs by Fiscal Year

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$7,583,537	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$13,583,537

Description: This line item is the budget for the carryover and new capital equipment for the electric utility. The funds will be used to purchase vehicles and other equipment. Note: \$5,631,138 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE G1

Architect/ Engineering Design Services for Administration Building Annex

Organization: 1110 General Manager

Funding Source: Improvement and Commercial Paper

Project Related to: Replacements/Upgrades/Rehabilitation

Project Considered: Must Do

Project Occurrence: One-time

Originator: Marie Leal

Category: Carryover

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$1,896,583	\$500,000	\$0	\$12,500,000	\$12,500,000	\$27,396,583

Description: Architectural and engineering design services of the Annex Administration Building to be located next to the current Administration Building on Robinhood Street. Note: \$1,396,583 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE G2

Architect/ Engineering Design Services for FM 511 Facilities Relocation Project

Organization: 1110 General Manager

Funding Source: Improvement and Commercial Paper

Project Related to: Replacements/Upgrades/Rehabilitation

Project Considered: Must Do

Project Occurrence: One-time

Originator: Marie Leal

Category: Carryover

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$208,969	\$4,500,000	\$8,000,000	\$0	\$0	\$12,708,969

Description: Architectural and engineering design services of the Operations Service Center to be located on FM 511. Note: \$208,969 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
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PROJECT REFERENCE G3

*Annex Admin Bldg, New Service Center (FM 511), Remodel Existing Admin Bldg – Additional Funds
Board Approved on 10/10/16*

Organization: 1110 General Manager	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Marie Leal
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$1,500,000	\$0	\$300,000	\$2,700,000	\$0	\$4,500,000

Description: BPUB facilities, including the Administration Building and the Service Center, are currently in need of expansion to meet company and customer growth over the years. Note: \$1,500,000 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE G4

Implementation of an Enterprise Content Management System (ECMS)

Organization: 1165 Records Management	Funding Source: Improvement
Project Related to: Replacement/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Lucile Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$690,000	\$0	\$0	\$0	\$0	\$690,000

Description: The implementation of the ECMS consists of conducting a needs assessment, developing system specifications, projecting cost benefit analysis, developing request for proposals, evaluating and selecting vendor, and installation and implementation of the system.

Project Cost Savings & Revenues: BPUB will not have to spend funds every six months to add storage capacity and will not have to store paper records since the retention period will be incorporated into the ECMS.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
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PROJECT REFERENCE G5

Laboratory Expansion

Organization: 1422 Analytical Lab
 Project Related to: Replacements/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Resubmission

Funding Source: Improvement
 Project Considered: Must Do
 Originator: Lee Roy Atkinson

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$150,000	\$100,000	\$100,000	\$0	\$0	\$350,000

Description: New federal and state implemented requirements mandate laboratories to comply with the National Environmental Laboratories Accreditation Program (NELAP), which required more bench space. A mobile office was temporarily put in place but is limited to certain analysis due to ventilation and A/C requirements.

Project Cost Savings & Revenues: The remodeled facilities will improve project analysis.

PROJECT REFERENCE G6

Consulting Services for New Financial Management System and Accounting Software

Organization: 5120 Accounting
 Project Related to: Replacements/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Carryover

Funding Source: Improvement
 Project Considered: General
 Originator: Miguel Perez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$0	\$300,000	\$0	\$300,000

Description: Consultant will assist BPUB with the search of a new Financial Management System and Accounting Software that is best suited for utility companies.

Project Cost Savings & Revenues: A user friendly and fully utilized Financial Management System will streamline processes and thus improve efficiencies and financial reporting.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
 FY 2018 – FY 2022

PROJECT REFERENCE C1

Cayenta Utilities (UMS) Upgrade Version 7.9.3

Organization: 6135 CIS Support
 Project Related to: Replacements/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: New

Funding Source: Improvement
 Project Considered: Must Do
 Originator: Norma A. Gomez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$250,000	\$0	\$0	\$0	\$250,000

Description: The last upgrade to the Utility Manager System (UMS) was done in March 2015. New enhancements have been released that will allow the company to provide better customer service and allow the use of new interfaces with other applications such as Cityworks and GIS. The upgrade will have new enhanced features such as custom portals available for all different departments using the application.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE G7

Cisco Core Networking Equipment – FM 511

Organization: 7130 Information Technology
 Project Related to: Replacements/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: New

Funding Source: Improvement
 Project Considered: Must Do
 Originator: Sergio Martinez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$100,000	\$0	\$0	\$0	\$0	100,000

Description: The enterprise Cisco Core networking equipment for the new FM 511 building will support phone/network communications. This equipment will provide the necessary network connectivity to support the BPUB enterprise business applications recommended by the Strategic Plan.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
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PROJECT REFERENCE G8

UPS – New Building FM 511

Organization: 7130 Information Technology
Project Related to: Growth
Project Occurrence: One-time
Category: New

Funding Source: Improvement
Project Considered: Must Do
Originator: Sergio Martinez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$25,000	\$0	\$0	\$0	\$25,000

Description: Uninterruptible power supply (UPS) for new building phone/network hardware is required. This will allow departments located in the new FM 511 building to maintain proper phone connectivity in the event of a power outage. All departments moved into the new building will benefit from this redundant power source. Core network switches will also be connected.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE G9

Tower Redundant Network

Organization: 7130 Information Technology
Project Related to: Growth
Project Occurrence: One-time
Category: New

Funding Source: Improvement
Project Considered: Must Do
Originator: Sergio Martinez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$80,000	\$0	\$0	\$0	\$0	\$80,000

Description: This project will be comprised of the installation of two tower redundant networks: one at the new FM 511 building and the other at the SCADA building. The erection of two towers and radio network equipment at both facilities will be used in case of any issues or during maintenance of the fiber optics by the SCADA Department.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
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PROJECT REFERENCE G10

Cisco Core Networking Equipment – Main Building

Organization: 7130 Information Technology
Project Related to: Replacements/Upgrades/Rehabilitation
Project Occurrence: One-time
Category: New

Funding Source: Improvement
Project Considered: Must Do
Originator: Sergio Martinez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$50,000	\$0	\$0	\$0	\$0	\$50,000

Description: Enterprise Cisco Core networking equipment phone/network communications closets are located at the Main Office. This equipment will provide the necessary network connectivity to support the BPUB enterprise business applications. Existing equipment is outdated and needs to be replaced due to cybersecurity issues.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE G11

Dell FX Chassis and Storage – Power Plant

Organization: 7130 Information Technology
Project Related to: Replacements/Upgrades/Rehabilitation
Project Occurrence: One-time
Category: Resubmission

Funding Source: Improvement
Project Considered: Must Do
Originator: Sergio Martinez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$60,000	\$0	\$0	\$0	\$0	\$60,000

Description: Dell FX chassis and storage will be used for server replacement and disk expansion and growth throughout the year. The existing servers are no longer covered by warranty. Currently, production systems are running on outdated hardware.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
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PROJECT REFERENCE G12

Dell FX Chassis and Storage – Main Building

Organization: 7130 Information Technology
 Project Related to: Replacements/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Resubmission

Funding Source: Improvement
 Project Considered: Must Do
 Originator: Sergio Martinez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$60,000	\$0	\$0	\$0	\$0	\$60,000

Description: Dell FX chassis and storage will be used for server replacement and disk expansion and growth throughout the year. The existing servers are no longer covered by warranty. Currently, production systems are running on outdated hardware.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE G13

Appliance for Virtual Terminals – Power Plant

Organization: 7130 Information Technology
 Project Related to: Replacements/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Resubmission

Funding Source: Improvement
 Project Considered: Must Do
 Originator: Sergio Martinez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$80,000	\$0	\$0	\$0	\$0	\$80,000

Description: Computer appliance at the power plant will include disk storage and CPU processing for virtual terminals and virtual servers. Current servers are now end-of-life and no longer covered by warranty.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE G14

Appliance for Virtual Terminals – Main Building

Organization: 7130 Information Technology
Project Related to: Replacements/Upgrades/Rehabilitation
Project Occurrence: One-time
Category: Resubmission

Funding Source: Improvement
Project Considered: Must Do
Originator: Sergio Martinez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$80,000	\$0	\$0	\$0	\$0	\$80,000

Description: Computer appliance at the Main Building will include disk storage and CPU processing for virtual terminals and virtual servers. Current servers are now end-of-life and no longer covered by warranty.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE G15

Phone System Blades and Storage

Organization: 7130 Information Technology
Project Related to: Replacements/Upgrades/Rehabilitation
Project Occurrence: One-time
Category: Resubmission

Funding Source: Improvement
Project Considered: Must Do
Originator: Sergio Martinez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$80,000	\$0	\$0	\$0	\$0	\$80,000

Description: Additional blades and storage will be used for server replacement, disk expansion and growth throughout the year. This will be used for additional phone/network needs and include both hardware and software. The hardware will be replicated between the Power Plant and Main Building.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
 FY 2018 – FY 2022

PROJECT REFERENCE G16

Fax Over IP

Organization: 7130 Information Technology
 Project Related to: Replacements/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Carryover

Funding Source: Improvement
 Project Considered: Reliability
 Originator: Sergio Martinez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$15,000	\$0	\$0	\$0	\$0	\$15,000

Description: Fax over Internet Protocol (IP) is needed since most telephone providers' communication is moving away from analog telephone lines. Faxing is still heavily used in the Health and Safety, Purchasing, and Customer Service departments. Note: \$15,000 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE G17

Ironport Appliances

Organization: 7130 Information Technology
 Project Related to: Replacement/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Carryover

Funding Source: Improvement
 Project Considered: Must Do
 Originator: Sergio Martinez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$2,469	\$0	\$0	\$0	\$0	\$2,469

Description: Replacement of these devices is necessary because Cisco has marked them as end-of-life and will no longer be supported. Without these appliances on the edge of the network, the BPUB email system will be vulnerable to email hacks. These appliances protect BPUB enterprise and user community from spam email as well. Note: \$2,469 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

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PROJECT REFERENCE G18

Server Storage

Organization: 7130 Information Technology
Project Related to: Growth
Project Occurrence: One-time
Category: Carryover

Funding Source: Improvement
Project Considered: Must Do
Originator: Sergio Martinez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$46,644	\$0	\$0	\$0	\$0	\$46,644

Description: Additional server storage such as Powervault chassis, solid state drive (SSD) disks and electromagnetic compatibility (EMC) storage is needed. Note: \$46,644 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE G19

Wireless Access Points

Organization: 7130 Information Technology
Project Related to: Replacements/Upgrades/Rehabilitation
Project Occurrence: One-time
Category: Carryover

Funding Source: Improvement
Project Considered: Must Do
Originator: Sergio Martinez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$10,710	\$0	\$0	\$0	\$0	\$10,710

Description: Additional wireless access points are needed to alleviate user functionality issues that have been arising. Note: \$10,710 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
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PROJECT REFERENCE G20

Web Replication Software

Organization: 7130 Information Technology
Project Related to: Replacements/Upgrades/Rehabilitation
Project Occurrence: One-time
Category: Carryover

Funding Source: Improvement
Project Considered: Reliability
Originator: Sergio Martinez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$30,000	\$0	\$0	\$0	\$0	\$30,000

Description: Software, hardware and implementation of an extra site for the web. Note: \$30,000 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE G21

Enterprise Backup Appliance DR4100

Organization: 7130 Information Technology
Project Related to: Growth
Project Occurrence: One-time
Category: Carryover

Funding Source: Improvement
Project Considered: Must Do
Originator: Sergio Martinez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$50,000	\$0	\$0	\$0	\$0	\$50,000

Description: This appliance will be used to backup enterprise systems used throughout the organization and allow those systems to be stored at the power plant facility. Note: \$50,000 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE G22

ArcMail Appliance & Email Archive

Organization: 7130 Information Technology
 Project Related to: Replacements/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Carryover

Funding Source: Improvement
 Project Considered: Load/Capacity Relief
 Originator: Sergio Martinez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$25,000	\$0	\$0	\$0	\$0	\$25,000

Description: ArcMail appliance and email archive application will archive email information in compliance with record retention policies. Note: \$25,000 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE G23

Computerized Maintenance Management System (CMMS) Consultant

Organization: 7135 Geographic Information Services
 Project Related to: Growth
 Project Occurrence: One-time
 Category: Resubmission

Funding Source: Improvement
 Project Considered: Reliability
 Originator: Hazael Becerra

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$150,000	\$0	\$0	\$0	\$0	\$150,000

Description: Brownsville Public Utilities Board is seeking a qualified and experienced consulting firm to furnish a corporate asset management plan. A corporate asset management plan will create a consistent and standardized approach throughout the organization, while allowing the flexibility to interpret and apply practices for the different infrastructure classes. Asset management is an integral, lifecycle approach to effective stewardship of infrastructure assets to maximize benefits, manage risk, and provide satisfactory levels of service to the public in a sustainable and environmental responsible manner.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE G24

Computerized Maintenance Management System (CMMS) Integration

Organization: 7135 Geographic Information Services
 Project Related to: Growth
 Project Occurrence: One-time
 Category: Resubmission

Funding Source: Improvement
 Project Considered: Reliability
 Originator: Hazael Becerra

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$100,000	\$0	\$0	\$0	\$0	\$100,000

Description: Following possible consultant’s recommendation from the Asset Management Gap Analysis project, BPUB is allocating funds to purchase a Computerized Preventative Maintenance System. This includes the acquisition of the software application, integration services, support services and training.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE G25

Human Resources Information System (HRIS) Software

Organization: 7140 Human Resources
 Project Related to: Replacements/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Carryover

Funding Source: Improvement
 Project Considered: General
 Originator: Dr. Emilia Guerra

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$75,000	\$75,000	\$0	\$0	\$0	\$150,000

Description: Purchase of new HR Software to include all aspects of Human Resources functions such as application tracking, application on-boarding, benefits enrollment and employee self-service. Note: \$150,000 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: Savings will be in HR Staff time and productivity. This could help reduce HR overtime costs.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE G26

Fuel Tank Replacement (Unleaded Tanks No. 1 & 2)

Organization: 7150 Fleet Management	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Hector Quintanilla
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$110,000	\$0	\$0	\$0	\$0	\$110,000

Description: The fuel tanks are rusted and in danger of water getting in, which will cause problems to the BPUB fleet. Note: \$110,000 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: The regular maintenance could be minimal compared to the major issues that could happen, leading to increased O&M costs.

PROJECT REFERENCE G27

Fleet Management System

Organization: 7150 Fleet Management	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: Hector Quintanilla
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$130,000	\$0	\$0	\$0	\$0	\$130,000

Description: The current Fleet Management System consists of five different programs, which makes it difficult to manage and properly control BPUB’s fleet. This new system is a single program that manages all the different facets of fleet management. Note: \$130,000 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: Cost saving opportunities include elimination of unnecessary repairs and better management of the preventative maintenance program that will lead to less expensive repairs due to breakdowns.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE G28

FuelMaster AIM Upgrades

Organization: 7150 Fleet Management	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Hector Quintanilla
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$95,500	\$0	\$0	\$0	\$0	\$95,500

Description: The Automotive Information Module (AIM) upgrade will be used to give accurate and up to date information to the management system as well as fuel efficiency, maintenance and repair reports. It will also tie into the new carwash to keep track of usage and prevent unauthorized vehicles from entering. Note: \$95,500 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: The information that Fleet Management Department staff would gather from the vehicles with the new AIM programs and modules would make the management system more efficient, provide regular maintenance intervals so as to avoid costly repairs and minimize down time of BPUB vehicles, and more accurately track driver fuel efficiency, minimizing fuel costs.

PROJECT REFERENCE G29

General Improvement – Carryover Projects

Organization: 9110 Company-wide Expenses	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Leandro G. García
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$92,535	\$0	\$0	\$0	\$0	\$92,535

Description: This line item is the budget for the carryover projects rolled over from Fiscal Year 2017. Projects include the improvements to the network and other general & administrative projects. Note: \$57,535 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

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FY 2018 – FY 2022

PROJECT REFERENCE C2

Customer Service – Carryover Projects

Organization: 9110 Company-wide Expenses	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Eddy Hernandez
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$102,637	\$0	\$0	\$0	\$0	\$102,637

Description: This line item is the budget for the carryover projects rolled over from Fiscal Year 2017. Projects include improvements to the Customer Service payment kiosks and other customer service projects. Note: \$102,637 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W1

Gate Valves for Flocculator Section, Valves for Diversion Box for Clarifiers & Drain Valve for Basin A

Organization: 3120 Water Plant I	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Judy K. Adams
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$235,000	\$0	\$0	\$0	\$0	\$235,000

Description: The flocculator valves are corroded and do not open or close completely. The valves for the diversion box do not open or close. Also, the drain valve for basin A is hard to open and close when draining the basin. Note: \$81,200 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

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ELECTRIC, WATER AND WASTEWATER
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PROJECT REFERENCE W2

Repair Cracks on Floor and Walls of Sedimentation Basin “C”

Organization: 3120 Water Plant I	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Judy K. Adams
Category: New	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$100,000	\$210,000	\$0	\$0	\$0	\$310,000

Description: The basin is currently leaking water through cracks in the structure and requires repairs. All water treatment basins are to be properly kept free of leaks in the structure. Repairing the structure will provide for a reliable infrastructure that enables BPUB to maintain consistent production levels to meet customer demands.

Project Cost Savings & Revenues: The project will cut down on water loss, help maintain the basin structure, and prevent any potential shutdowns and production loss due to having 30% of the production capacity down.

PROJECT REFERENCE W3

High Service Pump No. 5 – Pump and Motor

Organization: 3120 Water Plant I	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Load/Capacity Relief
Project Occurrence: One-time	Originator: Judy K. Adams
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$400,000	\$0	\$0	\$0	\$0	\$400,000

Description: The current high service pump is over 30 years old. It would be more cost effective to replace the entire unit. Note: \$191,400 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: Pump and motor will be controlled using a variable frequency drive, which will allow for only required output settings and reduce unnecessary power consumption.

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PROJECT REFERENCE W4

Chain Link Fence Upgrade

Organization: 3120 Water Plant I	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Judy K. Adams
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$26,414	\$0	\$0	\$0	\$26,414

Description: Water Plant No. 1 has 1,153 feet of chain link fence that is in need of replacement due to corrosion.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W5

Two Flocculator Units

Organization: 3120 Water Plant I	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Judy K. Adams
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$46,800	\$0	\$0	\$0	\$46,800

Description: The current flocculator units have reached the end of their lifecycle and need to be replaced with new units.

Project Cost Savings & Revenues: N/A

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ELECTRIC, WATER AND WASTEWATER
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PROJECT REFERENCE W6

Drain Valves for the Drying Lagoons

Organization: 3120 Water Plant I	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Judy K. Adams
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$58,500	\$0	\$0	\$0	\$0	\$58,500

Description: Replacement of four four-inch drain valves and two six-inch drain valves. The existing drain valves are not operational.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W7

Variable Frequency Drives at High Service Pump Stations

Organization: 3120 Water Plant I	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Load/Capacity Relief
Project Occurrence: One-time	Originator: Domingo Cortez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$156,000	\$0	\$0	\$0	\$156,000

Description: The installation of variable frequency drive motors at the high service pumps will improve the control and output of the distribution system. Currently, the high service pumps and motors are not being utilized efficiently to maintain the pressure in the distribution system. The operator adjusts the high service pumps manually at the pump station.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE W8

Replace Influent Valves for 8 Filters

Organization: 3120 Water Plant I	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Judy K. Adams
Category: New	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$162,500	\$0	\$0	\$0	\$162,500

Description: The current influent valves are allowing water to seep through when the valve is closed because of the deteriorated valve gasket.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W9

Replacement of Rakes for Two Clarifiers (B1 and B2)

Organization: 3120 Water Plant I	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Judy K. Adams
Category: New	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$260,000	\$0	\$0	\$0	\$260,000

Description: The current rakes inside the clarifiers are severely corroded and need to be replaced with stainless steel rakes.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE W10

Access Control and Facility Cameras

Organization: 3120 Water Plant I	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: Judy K. Adams
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$26,684	\$129,316	\$0	\$0	\$156,000

Description: The facility was originally built in 1930 with an expansion in the 1950s. No surveillance system has ever been integrated within the facility. The cameras located throughout the plant will help monitor unauthorized access onto premises.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W11

Ammonia Conversion From Gas to Liquid

Organization: 3120 Water Plant I	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Judy K. Adams
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$266,464	\$110,276	\$0	\$376,740

Description: Anhydrous ammonia is used in the water treatment process to form chloramines. Chloramines are formed by ammonia and chlorine. Chloramines are the main disinfectants in the water treatment process and distribution system. The plant currently handles ammonia in a gaseous form. Staff is recommending the liquid ammonia, which is safer to handle.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE W12

20 – Inch Butterfly Valve and Check Valve for Backwash Pump & High Service Pump No. 5

Organization: 3120 Water Plant I	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: Domingo Cortez
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$44,432	\$0	\$0	\$0	\$0	\$44,432

Description: The existing butterfly valve and check valve must be replaced due to seepage causing water to flow back into the clearwell. Note: \$44,432 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W13

Chlorine Ton Containers – Emergency Shut Down System

Organization: 3120 Water Plant I	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Domingo Cortez
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$7,795	\$0	\$0	\$0	\$0	\$7,795

Description: Parts for the current emergency shutdown system need to be replaced frequently due to corrosion and the safety pin breaking often due to wear and tear. Staff recommends a new chlorine ton container emergency shutdown system (Model 2000 – X3500 Actuator). Note: \$7,795 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE W14

Lighting on the Sedimentation Basins

Organization: 3130 Water Plant II
 Project Related to: Replacements/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Resubmission

Funding Source: Improvement
 Project Considered: Reliability
 Originator: Jose A. Garza

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$69,648	\$0	\$0	\$0	\$0	\$69,648

Description: This project will consist of replacing the entire lighting system on the sedimentation basins.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W15

Installation of New Caustic Soda Feed System

Organization: 3130 Water Plant II
 Project Related to: Replacements/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Carryover

Funding Source: Improvement
 Project Considered: Reliability
 Originator: Jose A. Garza

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$280,000	\$0	\$0	\$0	\$0	\$280,000

Description: There is currently only one caustic soda feed tank which draws the chemical from the bottom of the tank. This system poses a risk for leaks by the flange connection and ball valve point. Gravity pressure of the chemical also induces strain on the connections. The system lacks a secondary back up bulk tank so that preventative maintenance may be performed as needed. Note: \$69,600 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE W16

Installation of Handrails Around the Filters

Organization: 3130 Water Plant II
 Project Related to: Replacements/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: New

Funding Source: Improvement
 Project Considered: General
 Originator: Jose A. Garza

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$87,000	\$0	\$0	\$0	\$87,000

Description: This project consists of the installation of handrails around all eight filters.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W17

Water Plant No. 2 Roofing

Organization: 3130 Water Plant II
 Project Related to: Replacements/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: New

Funding Source: Improvement
 Project Considered: Must Do
 Originator: Judy K. Adams

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$139,200	\$0	\$0	\$0	\$0	\$139,200

Description: The water plant has experienced rain water penetrating through the roof and damaging several chemical feed pumps and has removed paint from filter wing floors.

Project Cost Savings & Revenues: The risk factors associated with this issue is the possibility of rain damaging equipment needed to treat the water, which would lead to a plant shut down.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE W18

Ammonia Conversion from Gas to Liquid

Organization: 3130 Water Plant II	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Judy K. Adams
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$275,000	\$0	\$0	\$0	\$275,000

Description: Anhydrous ammonia is used in the water treatment process to form chloramines. Chloramines are formed by mixing ammonia and chlorine. Chloramines are the main disinfectants in the water treatment process and distribution system. The plant currently handles ammonia in gaseous form. Staff is recommending the liquid ammonia, which is safer to handle.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W19

High Service Pump with Variable Frequency Drive (VFD)

Organization: 3130 Water Plant II	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: Judy K. Adams
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$250,000	\$0	\$0	\$0	\$250,000

Description: Typically, system pressures are dependent on the flow coming from the high service pumps causing fluctuations in water pressure rather than targeting system pressures. The addition of a VFD will target system pressures needed, allowing stability throughout the City and eliminating spikes in system pressures.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE W20

Aeration Structure Rehabilitation

Organization: 3130 Water Plant II	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Judy K. Adams
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$75,000	\$300,840	\$0	\$0	\$0	\$375,840

Description: This project consists of the rehabilitation of Water Plant No. 2’s aeration basins. There are signs of deterioration in the aerator basin with visible cracks and exposed rebar in areas. The aerator basins aerate and transport raw water to the rapid mixer chamber for chemical addition.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W21

Resaca Raw Water Pumping Station

Organization: 3130 Water Plant II	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: Judy K. Adams
Category: New	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$475,000	\$0	\$0	\$475,000

Description: Purchase and installation of two raw water pumps with variable frequency drive will replace the existing pumps. The pumps need to have a capacity of 10 million gallons per day each.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE W22

Chemical Containment Coating

Organization: 3130 Water Plant II	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Jose Garza
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$24,000	\$0	\$0	\$0	\$0	\$24,000

Description: This project consists of the repairs to the chemical containment walls and the application of a chemical resistant coating. Note: \$24,000 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W23

High Service Pump Variable Frequency Drive (VFD)

Organization: 3130 Water Plant II	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: Jose A. Garza
Category: New	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$46,400	\$0	\$0	\$0	\$46,400

Description: This project will consist of the installation of a new variable frequency drive (VFD) controller for an existing high service pump as well as refurbishing the high service pump shaft, motor, and actuator valve. Typically, system pressures are dependent on the flow coming from the high service pumps, causing fluctuation in water pressures rather than targeting system pressures. The addition of a VFD will target system pressures needed, allowing stability throughout the City and eliminating spikes in the system pressure.

Project Cost Savings & Revenues: Operationally, the savings associated with water main repairs due to pressure spikes may be evident as well as the cost of buying a new high service pump due to lack of maintenance.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE W24

Raw Water Infrastructure Improvements

Organization: 3140 Raw Water Supply
 Project Related to: Replacements/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Resubmission

Funding Source: Commercial Paper
 Project Considered: Reliability
 Originator: Rene Mariscal

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$0	\$0	\$261,000	\$261,000

Description: The project consists of repairs and improvements to existing weirs, gates, valves, overflow structures, meters and meter facilities. Some of the weirs and overflow structures have leaks and are in need of repair while others need the entire weir replaced. Meter facilities are in poor condition. Addition of meters and sensors will aid the monitoring of Resaca levels via SCADA.

Project Cost Savings & Revenues: Repair and installation of additional sensors at weirs will enable staff to monitor Resaca levels remotely, minimizing raw water losses.

PROJECT REFERENCE W25

New Reservoir Water Circulator

Organization: 3140 Raw Water Supply
 Project Related to: Replacements/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Carryover

Funding Source: Commercial Paper
 Project Considered: General
 Originator: Rene Mariscal

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$0	\$50,000	\$0	\$50,000

Description: Water circulation and mixing of the new reservoir will aid in preventing and controlling harmful blue-green algae blooms, improve dissolved oxygen, improve taste and odor issues, and improve overall water quality.

Project Cost Savings & Revenues: Increased circulation at the new reservoir can result in the usage of less copper sulfate and decrease chemical dosages at the water treatment plants.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE W26

Water New Connections

Organization: 3150 W/WW Operations & Construction
 Project Related to: Growth
 Project Occurrence: Recurring
 Category: Routine

Funding Source: Improvement
 Project Considered: Must Do
 Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$650,000	\$650,000	\$650,000	\$650,000	\$650,000	\$3,250,000

Description: The project accounts for BPUB costs to implement new water connections for future customers requesting service.

Project Cost Savings & Revenues: Work effort adds additional connections to the system; resulting in additional revenues.

PROJECT REFERENCE W27

Water Distribution System Valve Replacement Project

Organization: 3150 W/WW Operations & Construction
 Project Related to: Replacements/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Carryover

Funding Source: Improvement
 Project Considered: Reliability
 Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$483,671	\$0	\$0	\$0	\$0	\$483,671

Description: Replace approximately 60 inoperable waterline valves ranging in sizes from 4” to 16”.
Note: \$483,671 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: Reduction of labor costs to perform leak repairs.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE W28

Estimated carryover project amount

Organization: 3310 Water & Wastewater Engineering
 Project Related to: Replacement/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Carryover

Funding Source: Improvement
 Project Considered: General
 Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$302,091	\$0	\$0	\$0	\$0	\$302,091

Description: This line item is the budget for the carryover projects rolled over from Fiscal Year 2017. Projects includes the water line inspections for subdivisions throughout the city and other water utility projects. Note: \$302,091 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W29

Asbestos Cement (AC) Water Main Replacements Related to City Street Paving and Drainage Improvement Projects

Organization: 3310 Water & Wastewater Engineering
 Project Related to: Replacements/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: New

Funding Source: Improvement
 Project Considered: Reliability
 Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$500,000	\$0	\$0	\$0	\$0	\$500,000

Description: The project involves replacement of AC water mains and service connections with polyvinyl chloride (PVC) water mains and service connections with new valves due to city's street reconstruction five-year plan.

Project Cost Savings & Revenues: Since AC lines historically have been found to leak/break with time, water mains and service connections should be replaced with PVC lines along with new valves, reducing O&M costs.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE W30

Waterline Upgrade on Southmost Blvd. from EST 4 to Lima St.

Organization: 3310 Water & Wastewater Engineering
 Project Related to: Growth
 Project Occurrence: One-time
 Category: Carryover

Funding Source: Impact Fees
 Project Considered: Load/Capacity Relief
 Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$250,000	\$0	\$0	\$0	\$0	250,000

Description: Upgrade an existing 12-inch AC waterline to a 16-inch and 18-inch diameter PVC waterline to meet required water system pressure during expected future demand. Note: \$100,000 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: Since deteriorated AC lines typically require more maintenance/repair, there will be less O&M costs after replaced.

PROJECT REFERENCE W31

Waterline Upgrade near WTP No. 1

Organization: 3310 Water & Wastewater Engineering
 Project Related to: Growth
 Project Occurrence: One-time
 Category: Resubmission

Funding Source: Impact Fees
 Project Considered: Load/Capacity Relief
 Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$0	\$0	\$1,021,000	1,021,000

Description: Upgrade approximately 1,600 linear feet of 12-inch diameter waterline along W. 13th Street from WTP No. 1 to W. Saint Charles St. to increase water distribution capacity during future peak flow demand.

Project Cost Savings & Revenues: Since deteriorated AC lines typically require more maintenance/repair, there will be less O&M costs after replacement.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
 FY 2018 – FY 2022

PROJECT REFERENCE W32

16-inch Waterline Loop from Lago Vista to W. Alton Gloor Blvd.

Organization: 3310 Water & Wastewater Engineering
 Project Related to: Growth
 Project Occurrence: One-time
 Category: Carryover

Funding Source: Impact Fees
 Project Considered: Load/Capacity Relief
 Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$1,048,526	\$1,360,800	\$0	\$0	\$0	\$2,409,326

Description: Construction of a new 16-inch diameter PVC waterline approximately 13,882 linear feet in length on the northwest part of the water distribution system to meet future demand. Note: \$141,326 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W33

Concrete Steel Cylinder Waterline Upgrade from Boca Chica Blvd. (SH48) to WTP No. 2 – Design Phase

Organization: 3310 Water & Wastewater Engineering
 Project Related to: Growth
 Project Occurrence: One-time
 Category: Resubmission

Funding Source: Impact Fees
 and Commercial Paper
 Project Considered: Load/Capacity Relief
 Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$0	\$200,000	\$1,263,000	\$1,463,000

Description: This project upgrades an existing 30-inch diameter concrete steel cylinder (CSC) waterline to 36-inch diameter and 42-inch diameter CSC waterline to meet future required capacity in the eastern part of the water distribution system.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE W34

24-inch Waterline Loop along FM 511 from SRWA to Old Port Isabel Rd. – Design Phase

Organization: 3310 Water & Wastewater Engineering

Funding Source: Impact Fees
and Commercial Paper

Project Related to: Growth
Project Occurrence: One-time
Category: Resubmission

Project Considered: Load/Capacity Relief
Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$100,000	\$1,000,000	\$7,268,000	\$8,368,000

Description: This project is a segment of a 24-inch transmission waterline proposed from the Southmost Regional Water Authority (SRWA) Water Plant to the Port of Brownsville. This project will provide new service capabilities along FM 511 from Paredes Line Rd. to Dr. Hugh Emerson Rd and increases the distribution capacity to the northeast side of the City.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W35

Estimated carryover project amount

Organization: 3310 Water & Wastewater Engineering
Project Related to: Growth
Project Occurrence: One-time
Category: Carryover

Funding Source: Commercial Paper
Project Considered: Must Do
Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$79,659	\$0	\$0	\$0	\$0	\$79,659

Description: This line item is the budget for the carryover projects rolled over from Fiscal Year 2017. Projects include waterline improvements throughout the City and other water utility projects. Note: \$79,659 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE W36

Filter System Rehabilitation Project at Water Treatment Plants No. 1 and No. 2 (Construction Phase)

Organization: 3310 Water & Wastewater Engineering
 Project Related to: Replacements/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Carryover

Funding Source: Commercial Paper
 Project Considered: Must Do
 Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$955,915	\$0	\$0	\$0	\$0	\$955,915

Description: This work includes replacement of filters under drains, filter media, coating the interior concrete of each filter cell, and installation of an air backwash system including piping, valves and blowers at each plant. A new motor and VFD will be installed at Water Treatment Plant No. 2's High Service Pump Station. Note: \$955,915 is they FY 2017 carryover amount.

Project Cost Savings & Revenues: Water savings of 21 million gallons per year and energy savings generated by the addition of variable frequency drives to the pumps.

PROJECT REFERENCE W37

EST No. 8 – 2 Million Gallon Elevated Storage Tank to Replace the Southmost Elevated Storage Tank

Organization: 3310 Water & Wastewater Engineering
 Project Related to: Replacements/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Carryover

Funding Source: Commercial Paper
 Project Considered: Must Do
 Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$1,815,500	\$1,815,500	\$0	\$0	\$0	\$3,631,000

Description: Demolish the existing elevated storage tank (EST No. 4 – Southmost Tank), which is approximately 47 years old, and construct a new two million gallon composite elevated storage tank.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE W38

New Raw Water River Intake Facility

Organization: 3310 Water & Wastewater Engineering
 Project Related to: Replacement/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Resubmission

Funding Source: Commercial Paper
 Project Considered: Reliability
 Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$150,000	\$500,000	\$500,000	\$6,500,000	\$0	\$7,650,000

Description: The existing river intake pumps station (Pump No. 1 and No. 2), which is used to convey flow from the Rio Grande River to Water Treatment Plant No. 1 and No. 2, are over 80 years old and in need of replacement.

Project Cost Savings & Revenues: Minimal down time and minimal expenditures on parts and O&M.

PROJECT REFERENCE W39

Gazelle Street – COB and Utility Improvements

Organization: 3310 Water & Wastewater Engineering
 Project Related to: Replacements/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Carryover

Funding Source: Commercial Paper
 Project Considered: Reliability
 Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$242,900	\$0	\$0	\$0	\$0	\$242,900

Description: Replacements of AC water mains and service connections with PVC water mains and service connections with new valves due to City’s Street Reconstruction Five-Year Plan.

Project Cost Savings & Revenues: Since AC lines historically have been found to leak/break with time, water mains and service connections should be replaced with PVC lines along with new valves, reducing O&M costs.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE W40

North Street – COB and Utility Improvements

Organization: 3310 Water & Wastewater Engineering
 Project Related to: Replacement/Upgrade/Rehabilitation
 Project Occurrence: One-time
 Category: Resubmission

Funding Source: Commercial Paper
 Project Considered: Reliability
 Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$75,000	\$268,381	\$0	\$0	\$0	\$343,381

Description: This project is for the replacement of AC waterlines with PVC waterline on North Street from Boca Chica Blvd. to Rockwell Dr.

Project Cost Savings & Revenues: The replacement to PVC lines and new valves and services will reduce the need for maintenance and O&M costs.

PROJECT REFERENCE W41

South Iowa – COB and Utility Improvements

Organization: 3310 Water & Wastewater Engineering
 Project Related to: Replacements/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Resubmission

Funding Source: Commercial Paper
 Project Considered: Reliability
 Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$75,000	\$272,685	\$0	\$0	\$0	\$347,685

Description: This project is for the replacement of AC waterlines with PVC waterline on South Iowa from Billy Mitchell Blvd. to Boca Chica Blvd.

Project Cost Savings & Revenues: The replacement to PVC lines and new valves and services will reduce the need for maintenance and O&M costs.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE W42

Southmost Blvd – COB and Utility Improvements

Organization: 3310 Water & Wastewater Engineering
 Project Related to: Replacement/Upgrade/Rehabilitation
 Project Occurrence: One-time
 Category: Resubmission

Funding Source: Commercial Paper
 Project Considered: Reliability
 Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$100,000	\$538,867	\$0	\$0	\$0	\$638,867

Description: This project is for the replacement of AC waterlines with PVC waterline on Southmost Blvd. from International Blvd. to 14th Street.

Project Cost Savings & Revenues: The replacement of these items with PVC lines and new valves and services will reduce the need for maintenance and O&M costs.

PROJECT REFERENCE W43

18-inch Waterline along Old Hwy 77 and FM 511 to Old Alice Rd.

Organization: 3310 Water & Wastewater Engineering
 Project Related to: Growth
 Project Occurrence: One-time
 Category: Resubmission

Funding Source: Commercial Paper
 Project Considered: Load/Capacity Relief
 Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$0	\$0	\$2,852,000	\$2,852,000

Description: This project proposes 12,698 linear feet of new 18-inch diameter waterline to meet required water system pressure from future demand located along FM 1732.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE W44

16-inch Waterline on Boca Chica Blvd. from International Blvd. to Owens Rd.

Organization: 3310 Water & Wastewater Engineering
 Project Related to: Growth
 Project Occurrence: One-time
 Category: Resubmission

Funding Source: Commercial Paper
 Project Considered: Load/Capacity Relief
 Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$0	\$0	\$748,000	\$748,000

Description: Upgrade an existing 12-inch AC waterline to 16-inch PVC to provide required pressure to the eastern part of the system.

Project Cost Savings & Revenues: Since deteriorated AC lines typically require more maintenance/repair, there will be less O&M costs after replacement.

PROJECT REFERENCE W45

Martinal Area Waterline System Loops

Organization: 3310 Water & Wastewater Engineering
 Project Related to: Replacements/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Resubmission

Funding Source: Commercial Paper
 Project Considered: General
 Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$0	\$0	\$1,115,000	\$1,115,000

Description: Design and construction of proposed waterlines will close loops within the water system between the areas of Old Port Isabel Rd and Boca Chica Blvd along FM 802.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
 FY 2018 – FY 2022

PROJECT REFERENCE W46

Waterline Upgrade on Southmost Blvd. from E. 14th St. to E. 25th St.

Organization: 3310 Water & Wastewater Engineering
 Project Related to: Growth
 Project Occurrence: One-time
 Category: Resubmission

Funding Source: Commercial Paper
 Project Considered: Load/Capacity Relief
 Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$0	\$0	\$1,575,000	\$1,575,000

Description: Upgrade existing 12-inch AC waterline to a 16-inch and 18-inch diameter PVC waterline to meet required water system pressure during expected future demand.

Project Cost Savings & Revenues: Since deteriorated AC lines typically require more maintenance/repair, there will be less O&M costs after replacement.

PROJECT REFERENCE W47

Waterline Upgrade on Southmost Blvd. from E. 25th St. to E. 30th St.

Organization: 3310 Water & Wastewater Engineering
 Project Related to: Growth
 Project Occurrence: One-time
 Category: Resubmission

Funding Source: Commercial Paper
 Project Considered: Load/Capacity Relief
 Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$0	\$0	\$758,000	\$758,000

Description: Upgrade an existing 12-inch AC waterline to an 18-inch diameter PVC waterline to meet required water system pressure during expected future demand.

Project Cost Savings & Revenues: Since deteriorated AC lines typically require more maintenance/repair, there will be less O&M costs after replaced.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE W48

12-inch Waterline West of Hwy 77

Organization: 3310 Water & Wastewater Engineering
Project Related to: Growth
Project Occurrence: One-time
Category: Resubmission

Funding Source: Commercial Paper
Project Considered: Load/Capacity Relief
Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$0	\$0	\$1,345,000	\$1,345,000

Description: This project proposes 7,470 linear feet of new 12-inch diameter waterline construction west of Highway 77 to help meet water distribution capacity and pressures during future peak flow demand.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W49

16-inch Waterline Loop along FM 511 from SH 48 to Boca Chica

Organization: 3310 Water & Wastewater Engineering
Project Related to: Growth
Project Occurrence: One-time
Category: Resubmission

Funding Source: Commercial Paper
Project Considered: Load/Capacity Relief
Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$0	\$0	\$2,900,000	\$2,900,000

Description: Construction of approximately 14,357 linear feet of 16-inch waterline to extend the transmission waterline loop to the southeastern part of the city.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE W50

16-inch Waterline at Summer Hill Subdivision

Organization: 3310 Water & Wastewater Engineering
Project Related to: Growth
Project Occurrence: One-time
Category: Resubmission

Funding Source: Commercial Paper
Project Considered: Load/Capacity Relief
Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$0	\$0	\$894,000	\$894,000

Description: This project proposes 3,725 linear feet of 16-inch diameter waterline construction at Summer Hill Subdivision to help meet water distribution capacity and pressures during future peak flow demand.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W51

16-inch Waterline on Boca Chica Blvd. from Owens Rd. to Iowa Ave.

Organization: 3310 Water & Wastewater Engineering
Project Related to: Growth
Project Occurrence: One-time
Category: Resubmission

Funding Source: Commercial Paper
Project Considered: Load/Capacity Relief
Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$0	\$0	\$1,850,000	\$1,850,000

Description: Upgrade an existing 12-inch AC waterline to 16-inch PVC waterline to meet expected demand.

Project Cost Savings & Revenues: Since deteriorated AC lines typically require more maintenance/repair, there will be less O&M costs after replaced.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE W52

Improvements Submitted by Staff for Water Utility

Organization: 7135 Geographic Information Systems
 Project Related to: Growth
 Project Occurrence: One-time
 Category: Resubmission

Funding Source: Improvement
 Project Considered: Must Do
 Originator: Jesus Alfaro

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$0	\$475,000	\$0	\$475,000

Description: Improvements submitted by staff for the Water Utility.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW1

W/WW SCADA Southmost Communication Tower

Organization: 2210 SCADA & Electrical Support Services
 Project Related to: Replacements/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Resubmission

Funding Source: Commercial Paper
 Project Considered: Reliability
 Originator: Elias Quintero

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$250,000	\$0	\$0	\$0	\$0	\$250,000

Description: Design, purchase and implementation of a communication tower for the Water/Wastewater SCADA System at the current Southmost Elevated Storage Tank location. Note: \$250,000 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
 FY 2018 – FY 2022

PROJECT REFERENCE WW2

W/WW SCADA/Lift Station Integration

Organization: 2210 SCADA & Electrical Support Services
 Project Related to: Replacements/Upgrades/Rehabilitation
 Project Occurrence: One-time
 Category: Resubmission

Funding Source: Commercial Paper
 Project Considered: Reliability
 Originator: Elias Quintero

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$100,000	\$0	\$0	\$0	\$0	\$100,000

*Description: Remote terminal units to integrate lift stations into the Water/Wastewater SCADA system.
 Note: \$50,000 is the FY 2017 carryover amount.*

Project Cost Savings & Revenues: This will allow Lift Station mechanics and electricians to proactively identify potential problems.

PROJECT REFERENCE WW3

Wastewater New Connections

Organization: 3150 W/WW Operations & Construction
 Project Related to: Growth
 Project Occurrence: Recurring
 Category: Routine

Funding Source: Commercial Paper
 Project Considered: Must Do
 Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$450,000	\$450,000	\$450,000	\$450,000	\$450,000	\$2,250,000

Description: This project accounts for BPUB costs to implement wastewater new connections to future customers requesting service.

Project Cost Savings & Revenues: Work effort adds additional connections to system, and therefore increases service revenues.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW4

Non-Potable Water Control Panel Upgrade

Organization: 3210 South Wastewater Treatment Plant	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: Jose G. Ibarra Jr.
Category: New	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$7,996	\$0	\$0	\$0	\$0	\$7,996

Description: SCADA staff is recommending replacing outdated control panel. Existing control panel is over 20 years old. Existing panel will be replaced with new updated control panel.

Project Cost Savings & Revenues: New control panel replacement will improve efficiency allowing treatment plant process to respond with better treatment capabilities and resulting in lower cost for treatment per million gallons processed.

PROJECT REFERENCE WW5

Blower Building #1 Roof Replacement

Organization: 3210 South Wastewater Treatment Plant	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: Jose G. Ibarra Jr.
Category: New	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$32,500	\$0	\$0	\$0	\$0	\$32,500

Description: Existing flat gravel roof is over 25 years old and in need of replacement due to leaking water during rain events. Staff is proposing to replace roof to ensure the safety of employees and to protect processing equipment from future breakdowns. Existing roof system houses electrical controls that supply power to the process equipment (Blowers 1, 2, and 3) for Aeration Basin #1.

Project Cost Savings & Revenues: New replacement roof will improve blower building, allowing treatment plant process to respond with better treatment capabilities, resulting in lower costs for treatment per million gallons processed.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW6

Shaftless Screw Conveyor for the Belt Filter Press Dewatering Station

Organization: 3210 South Wastewater Treatment Plant	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: Jose G. Ibarra Jr.
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$62,400	\$0	\$0	\$0	\$62,400

Description: Replace existing belt conveyor unit, which was not originally intended and/or designed for a dewatering belt filter press system, with the purchase one shaftless screw conveyor. Staff is proposing to purchase a new shaftless conveyor unit that is specifically designed for the purpose of moving dewatering bio-solids to minimize down time and become more efficient at the belt filter press dewatering station.

Project Cost Savings & Revenues: New replacement units will improve belt filter press dewatering station efficiency, allowing the treatment plant process to respond with better treatment capabilities and resulting in a lower cost for treatment per million gallons processed.

PROJECT REFERENCE WW7

Facility Chain Link Fence Replacement for The South Wastewater Treatment Plant

Organization: 3210 South Wastewater Treatment Plant	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: Jose G. Ibarra Jr.
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$110,500	\$0	\$0	\$0	\$0	\$110,500

Description: Replace approximately 1,600 linear feet of fencing on the north and east perimeter of the property. Existing fence is over 20 years old.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW8

Chlorine Contact Chamber Sluice Gate Replacement Project

Organization: 3210 South Wastewater Treatment Plant	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: Jose G. Ibarra Jr.
Category: New	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$130,000	\$0	\$0	\$0	\$0	\$130,000

Description: Four sluice gates at the Chlorine Contact Chamber Station area need to be replaced. Existing gates were not properly designed and/or installed. Existing gates were installed behind the wall and the head pressure is pushing against the sluice gates making it difficult to open and close. Sluice gate shafts are warped, and gates remain leaking when closed. Staff is proposing to install new sluice gates with new valve actuators with back-up batteries.

Project Cost Savings & Revenues: New replacement sluice gates and actuators will improve chlorine contact changer station efficiency, allowing the treatment plant process to respond with better treatment capabilities and resulting in lower cost for treatment per million gallons processed.

PROJECT REFERENCE WW9

Emergency Vapor Scrubber System (EVSS) Rehabilitation/Repairs/Replacement

Organization: 3210 South Wastewater Treatment Plant	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: Jose G. Ibarra Jr.
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$247,000	\$0	\$0	\$0	\$247,000

Description: Rehabilitate existing EVSS. Existing equipment has deteriorated and exceeded its life expectancy.

Project Cost Savings & Revenues: Rehabilitation project will improve the EVSS equipment efficiency, allowing treatment plant process to respond with better treatment capabilities and resulting in lower costs for treatment per million gallons processed.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW10

Air Condition System Replacement at South WWTP Administration Building

Organization: 3210 South Wastewater Treatment Plant Funding Source: Commercial Paper
 Project Related to: Replacements/Upgrades/Rehabilitation Project Considered: Must Do
 Project Occurrence: One-time Originator: Jose G. Ibarra Jr.
 Category: Carryover

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$18,386	\$0	\$0	\$0	\$0	\$18,386

Description: Air condition system replacement at the South Wastewater Treatment Plant administration building. Note: \$18,386 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW11

SWWTP Aeration Basin N. 2 Guardrail Replacement Project

Organization: 3210 South Wastewater Treatment Plant Funding Source: Commercial Paper
 Project Related to: Replacements/Upgrades/Rehabilitation Project Considered: General
 Project Occurrence: One-time Originator: Jose G. Ibarra Jr.
 Category: Carryover

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$156,700	\$0	\$0	\$0	\$0	\$156,700

Description: Replacement of approximately 1,000 linear feet of guard rails from galvanized metal to a sturdier metal. Note: \$25,290 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW12

Ultraviolet Light Canopy Project

Organization: 3220 Robindale Wastewater Treatment Plant Funding Source: Improvement and Commercial Paper
 Project Related to: Replacements/Upgrades/Rehabilitation Project Considered: Reliability
 Project Occurrence: One-time Originator: Jose G. Ibarra Jr.
 Category: Carryover

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$439,891	\$0	\$0	\$0	\$0	\$439,891

Description: Ultraviolet light is currently promotes the growth of algae. A canopy cover system will minimize the sunlight exposure to the ultraviolet light station and reduce algae growth. Note: \$23,451 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW13

One New Grit Pump for the Eutek Headcell Grit Pumping Station

Organization: 3220 Robindale Wastewater Treatment Plant Funding Source: Improvement
 Project Related to: Replacements/Upgrades/Rehabilitation Project Considered: Reliability
 Project Occurrence: One-time Originator: Jose G. Ibarra Jr.
 Category: Resubmission

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$19,140	\$0	\$0	\$0	\$0	\$19,140

Description: Existing system was designed to use two pumps that automatically alternate. Recent break down due to normal wear and tear required replacement of the two pumps at the same time, leaving the system out of service. Down time is critical to daily operations. Staff is proposing to purchase one new grit pump for the Euteck Headcell grit pump station that will serve as a back-up to minimize future down time as flow increases.

Project Cost Savings & Revenues: New replacement pump will improve pump station efficiency allowing the treatment plant process to respond with better treatment capabilities and resulting in a lower costs for treatment per million gallons processed.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
 FY 2018 – FY 2022

PROJECT REFERENCE WW14

Replacement/Construction of New Concrete Marquee Sign

Organization: 3220 Robindale Wastewater Treatment Plant Funding Source: Improvement
 Project Related to: Replacements/Upgrades/Rehabilitation Project Considered: Reliability
 Project Occurrence: One-time Originator: Jose G. Ibarra Jr.
 Category: Resubmission

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$34,800	\$0	\$0	\$0	\$0	\$34,800

Description: This project consists of demolishing existing and constructing new concrete marquee sign in front of the main Robindale Wastewater Treatment Plant entrance.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW15

Blower Building No. 1 Roof Replacement

Organization: 3220 Robindale Wastewater Treatment Plant Funding Source: Improvement
 Project Related to: Replacements/Upgrades/Rehabilitation Project Considered: Reliability
 Project Occurrence: One-time Originator: Jose G. Ibarra Jr.
 Category: Resubmission

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$40,050	\$0	\$0	\$0	\$0	\$40,050

Description: Replace existing flat gravel roof due to moisture leaking inside of the building during any type of precipitation. Existing building’s roof system houses the electrical motor control center (MCC) that supplies power to some critical process equipment. In an event that water or moisture would reach inside of the electrical components for the MCC, down time would be critical to daily operations.

Project Cost Savings & Revenues: New replacement roof system will improve the blower building, allowing the treatment plant process to respond with better treatment capabilities and resulting in lower costs for treatment per million gallons processed. It will also prevent fines from TCEQ resulting from any non-compliance violations due to equipment failures.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW16

Four Torque Valve Actuators for the Train Inlet Isolation Valves

Organization: 3220 Robindale Wastewater Treatment Plant Funding Source: Improvement
 Project Related to: Replacements/Upgrades/Rehabilitation Project Considered: Reliability
 Project Occurrence: One-time Originator: Jose G. Ibarra Jr.
 Category: Resubmission

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$60,890	\$0	\$0	\$0	\$0	\$60,890

Description: Staff manually open/close the current inlet isolation valve actuators, which delay staff from conducting other duties. Staff is proposing to purchase and install four new torque valve actuators for the main inlet isolation valves (Train No. 1 through 4).

Project Cost Savings & Revenues: The torque valve actuators will allow operational staff to perform other duties, which will increase productivity.

PROJECT REFERENCE WW17

Nitrification Control System Phase I Implementation

Organization: 3220 Robindale Wastewater Treatment Plant Funding Source: Improvement
 Project Related to: Replacements/Upgrades/Rehabilitation Project Considered: Reliability
 Project Occurrence: One-time Originator: Jose G. Ibarra Jr.
 Category: Resubmission

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$188,500	\$0	\$0	\$0	\$188,500

Description: Staff propose to optimize the Modification Ludzack-Ettinger (MLE) process by adding a nitrification controller automated monitoring system of real time nitrification for Train No. 3 and 4.

Project Cost Savings & Revenues: New nitrification control system will improve plant treatment efficiency, allowing for optimization. The treatment plant process will respond with better treatment capabilities, thus resulting in lower electrical costs from air blower demand.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW18

Belt Filter Press Dewatering Station

Organization: 3220 Robindale Wastewater Treatment Plant Funding Source: Improvement
 Project Related to: Replacements/Upgrades/Rehabilitation Project Considered: Reliability
 Project Occurrence: One-time Originator: Jose G. Ibarra Jr.
 Category: Resubmission

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$0	\$0	\$3,673,215	\$3,673,215

Description: Design and build a new dewatering station to house two belt filter press units, new pumping system, new polymer feed system, and new overhead stationary conveyor system to properly fill falloff containers. The new structure will serve to protect operators from the elements, and help promote and preserve the life of the dewatering equipment.

Project Cost Savings & Revenues: Staff is expecting less wear and tear on the rolloff containers, reducing the metal wheel repairs cost significantly. New system will also reduce man hours by reducing the time and effort in monitoring and moving the rolloff containers forward manually.

PROJECT REFERENCE WW19

North Wastewater Treatment Plant Administration Building Improvements

Organization: 3220 Robindale Wastewater Treatment Plant Funding Source: Improvement
 Project Related to: Replacements/Upgrades/Rehabilitation Project Considered: General
 Project Occurrence: One-time Originator: Jose G. Ibarra Jr.
 Category: Carryover

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$400,000	\$0	\$0	\$0	\$0	\$400,000

Description: Staff is proposing improvements to the Administration Building, which include replacing the heating, ventilation and air conditioning system, remodeling the laboratory and replacing all windows.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW20

Rehabilitation of Lift Station No. 7 and 18

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$434,734	\$0	\$0	\$0	\$0	\$434,734

Description: This project includes the rehabilitation of Lift Station No. 7 and 18. Note: \$434,734 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW21

Lift Station No. 63 Pump Replacement

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$9,988	\$0	\$0	\$0	\$0	\$9,988

Description: New submersible wastewater non-clog pump for Lift Station No. 63. Note: \$9,988 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: Minimal down time and O&M cost savings.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW22

Lift Station No. 6 and 108 Improvements

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$554,120	\$0	\$0	\$0	\$0	\$554,120

Description: Complete lift station rehabilitation including: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls; and installation of new perimeter fence and concrete driveway. Note: \$554,120 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW23

Lift Station N. 8 and 41 Rehabilitation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$286,181	\$0	\$0	\$0	\$0	\$286,181

Description: Complete rehabilitation of inside well to replace deteriorated pipes for Lift Station No. 8 and 41. Note: \$286,181 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: Less maintenance to station will allow for greater efficiencies.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW24

Lift Station No. 130 Fence Replacement

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$39,382	\$0	\$0	\$0	\$0	\$39,382

Description: Construct 175 linear feet of cinder block fence to replace current deteriorating and unsafe fence. Cinder block will meet home owner’s association (HOA) standards and requirements at location for fencing. Note: \$39,382 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW25

LS 45 Relocation Project – Construction Contract

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$582,840	\$0	\$0	\$0	\$0	\$582,840

Description: Demolition, relocation and reconstruction of Lift Station No. 45, including the installation of 1,380 linear feet of forcemain, 128 linear feet of 15” PVC gravity sewer main and 519 linear feet of 2” PVC water line. Note: \$582,840 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW26

Lift Station General Pump Replacements

Organization: 3230 Wastewater Lift Stations
Project Related to: Replacements/Upgrades/Rehabilitation
Project Occurrence: One-time
Category: Carryover

Funding Source: Commercial Paper
Project Considered: Must Do
Originator: Noe C. Hernandez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$71,000	\$0	\$0	\$0	\$0	\$71,000

Description: The Lift Stations Department replaces outdated pumps that are beyond repair or at the end of their life cycle on a yearly basis. Note: \$68,500 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW27

Lift Station No. 44 Rehabilitation

Organization: 3230 Wastewater Lift Stations
Project Related to: Replacements/Upgrades/Rehabilitation
Project Occurrence: One-time
Category: Carryover

Funding Source: Commercial Paper
Project Considered: Must Do
Originator: Noe C. Hernandez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$550,000	\$0	\$0	\$550,000

Description: Lift station is beyond its service life. Its structural, mechanical, and electrical condition is deteriorated and has made the lift station unsafe, unreliable, and inefficient. Lift station discharge piping, pump base ells, and valves are corroded. Concrete structures such as its wet well are obsolete and in poor condition. Electrical components such as the pump controls are obsolete and unreliable. Other aspects of the lift station site also need safety, security, and accessibility improvements, such as a new perimeter fence and entrance driveway, to bring the lift station into compliance with current specifications and regulations.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW28

Lift Station No. 63 MCC Building Replacement

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$400,000	\$0	\$0	\$400,000

Description: Current motor control center (MCC) building and electrical pump controls are outdated. In addition, a fourth pump controller is needed. Also, the complete building with the electrical gear is settling down due to an apparent leaking abandoned structure below ground under the building. Land acquisition is necessary to relocate MCC building away from existing wet well to prevent hydrogen sulfide from entering the building.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW29

Lift Station No. 68 Rehabilitation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$555,000	\$0	\$0	\$555,000

Description: Lift station is beyond its service life. Its structural, mechanical, and electrical condition is deteriorated and has made the lift station unsafe, unreliable, and inefficient. Lift station discharge piping, pump base ells, and valves are corroded. Concrete structures such as the wet well are obsolete and in poor condition. Electrical components such as the pump controls are obsolete and unreliable. Other aspects of the lift station site also need safety, security, and accessibility improvements, such as a new perimeter fence and entrance driveway, to bring the lift station into compliance with current specifications and regulations.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW30

Lift Station No. 69 Rehabilitation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$480,000	\$0	\$0	\$480,000

Description: Lift station is beyond its service life. Its structural, mechanical, and electrical condition is deteriorated and has made the lift station unsafe, unreliable, and inefficient. Lift station discharge piping, pump base ells, and valves are corroded. Concrete structures such as the wet well are obsolete and in poor condition. Electrical components such as the pump controls are obsolete and unreliable. Other aspects of the lift station site also need safety, security, and accessibility improvements, such as perimeter fence and entrance driveway, to bring the lift station into compliance with current specifications and regulations.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW31

Lift Station No. 72 Replacement

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$635,000	\$0	\$0	\$635,000

Description: Lift station is beyond its service life. Its structural, mechanical, and electrical condition is deteriorated and has made the lift station unsafe, unreliable, and inefficient. Lift station discharge piping, pump base ells, and valves are corroded. Concrete structures such as the wet well are obsolete and in poor condition. Electrical components such as the pump controls are obsolete and unreliable. Other aspects of the lift station site also need safety, security, and accessibility improvements, such as perimeter fence and entrance driveway, to bring the lift station into compliance with current specifications and regulations.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW32

Lift Station No. 95 Rehabilitation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$535,000	\$0	\$0	\$535,000

Description: Lift station is beyond its service life. Its structural, mechanical, and electrical condition is deteriorated and has made the lift station unsafe, unreliable, and inefficient. Lift station discharge piping, pump base ells, and valves are corroded. Concrete structures such as the wet well are obsolete and in poor condition. Electrical components such as the pump controls are obsolete and unreliable. Other aspects of the lift station site also need safety, security, and accessibility improvements, such as perimeter fence and entrance driveway, to bring the lift station into compliance with current specifications and regulations.

Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.

PROJECT REFERENCE WW33

Lift Station Systemwide Fence Replacements

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$150,000	\$0	\$0	\$0	\$0	\$150,000

Description: The Lifts Stations Department replaces worn out fences on an as-needed basis. Currently, the department has identified 26 lift stations that need fence replacements.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW34

Lift Station No. 9 Pump Replacement

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$83,000	\$0	\$0	\$0	\$0	\$83,000

Description: Existing pump is at the end of life cycle and unreliable. New pump will be submersible and non-clog.

Project Cost Savings & Revenues: O&M cost savings are expected after the project is complete. After the pump is replaced, less frequent equipment breakdowns are expected.

PROJECT REFERENCE WW35

Lift Station No. 10 Rehabilitation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$195,000	\$455,000	\$0	\$0	\$0	\$650,000

Description: Lift station is beyond its service life. Its structural, mechanical, and electronic condition is deteriorated and has made the lift station unsafe, unreliable, and inefficient. Lift station discharge pinging, pump base ells, and valves are corroded. Concrete structures such as the wet well are obsolete and in poor condition. Electrical components such as the pump controls are obsolete and unreliable. Other aspects of the lift station site also need safety, security, and accessibility improvements, such as a new perimeter fence and entrance driveway, to bring the lift station into compliance with current specifications and regulations.

Project Cost Savings & Revenues: O&M cost savings are expected after the project is complete.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW36

Lift Station No. 11 Rehabilitation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$195,000	\$455,000	\$0	\$0	\$0	\$650,000

Description: Lift station is beyond its service life. Its structural, mechanical, and electronic condition is deteriorated and has made the lift station unsafe, unreliable, and inefficient. Lift station discharge pipping, pump base ells, and valves are corroded. Concrete structures such as the wet well are obsolete and in poor condition. Electrical components such as the pump controls are obsolete and unreliable. Other aspects of the lift station site also need safety, security, and accessibility improvements, such as a new perimeter fence and entrance driveway, to bring the lift station into compliance with current specifications and regulations.

Project Cost Savings & Revenues: O&M cost savings are expected after the project is complete.

PROJECT REFERENCE WW37

Lift Station No. 12 Rehabilitation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$560,000	\$0	\$0	\$560,000

Description: Lift station is beyond its service life. Its structural, mechanical, and electrical condition is deteriorated and has made the lift station unsafe, unreliable, and inefficient. Lift station discharge piping, pump base ells, and valves are corroded. Concrete structures such as the wet well are obsolete and in poor condition. Electrical components such as the pump controls are obsolete and unreliable. Other aspects of the lift station site also need safety, security, and accessibility improvements, such as a new perimeter fence and entrance driveway, to bring the lift station into compliance with current specifications and regulations.

Project Cost Savings & Revenues: O&M cost savings are expected after the project is complete.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW38

Lift Station No. 13 Rehabilitation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$500,000	\$0	\$0	\$500,000

Description: Lift station is beyond its service life. Its structural, mechanical, and electrical condition is deteriorated and has made the lift station unsafe, unreliable, and inefficient. Lift station discharge piping, pump base ells, and valves are corroded. Concrete structures such as the wet well are obsolete and in poor condition. Electrical components such as the pump controls are obsolete and unreliable. Other aspects of the lift station site also need safety, security, and accessibility improvements, such as a new perimeter fence and entrance driveway, to bring the lift station into compliance with current specifications and regulations.

Project Cost Savings & Revenues: O&M cost savings are expected after the project is complete.

PROJECT REFERENCE WW39

Lift Station No. 15 Turbulence Reduction

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$30,000	\$100,000	\$0	\$0	\$0	\$130,000

Description: Existing configuration of the receiving manhole and force main outfall at the lift station promotes high wastewater turbulence. This leads to a higher rate of hydrogen sulfide and strip from the wastewater into the ambient air locally, which causes corrosion and foul odors in the system. Modification to the receiving manholes and force main outfall at the lift station will reduce corrosion and foul odor generation.

Project Cost Savings & Revenues: With less hydrogen sulfide gas generation, there will be less odor control necessary, thereby generating savings in that area.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW40

Lift Station No. 17 Rehabilitation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$500,000	\$0	\$0	\$500,000

Description: Lift station is beyond its service life. Its structural, mechanical, and electrical condition is deteriorated and has made the lift station unsafe, unreliable, and inefficient. Lift station discharge piping, pump base ells, and valves are corroded. Concrete structures such as the wet well are obsolete and in poor condition. Electrical components such as the pump controls are obsolete and unreliable. Other aspects of the lift station site also need safety, security, and accessibility improvements, such as a new perimeter fence and entrance driveway, to bring the lift station into compliance with current specifications and regulations.

Project Cost Savings & Revenues: O&M cost savings are expected after the project is complete.

PROJECT REFERENCE WW41

Lift Station No. 23 Rehabilitation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$535,000	\$0	\$0	\$535,000

Description: Lift station is beyond its service life. Its structural, mechanical, and electrical condition is deteriorated and has made the lift station unsafe, unreliable, and inefficient. Lift station discharge piping, pump base ells, and valves are corroded. Concrete structures such as the wet well are obsolete and in poor condition. Electrical components such as the pump controls are obsolete and unreliable. Other aspects of the lift station site also need safety, security, and accessibility improvements, such as a new perimeter fence and entrance driveway, to bring the lift station into compliance with current specifications and regulations.

Project Cost Savings & Revenues: O&M cost savings are expected after the project is complete.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
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PROJECT REFERENCE WW42

Lift Station No. 28 Rehabilitation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$100,000	\$435,000	\$0	\$0	\$0	\$535,000

Description: Complete lift station rehabilitation includes: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls; and installation of new perimeter fence and concrete driveway.

Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.

PROJECT REFERENCE WW43

Lift Station No. 43 Rehabilitation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$160,500	\$374,500	\$0	\$0	\$0	\$535,000

Description: Complete lift station rehabilitation includes: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls; and installation of new perimeter fence and concrete driveway.

Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW44

Lift Station No. 47 Rehabilitation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$160,500	\$374,500	\$0	\$0	\$0	\$535,000

Description: Complete lift station rehabilitation includes: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls; and installation of new perimeter fence and concrete driveway.

Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.

PROJECT REFERENCE WW45

Lift Station No. 51 Rehabilitation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$160,500	\$374,500	\$0	\$0	\$0	\$535,000

Description: Complete lift station rehabilitation includes: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls; and installation of new perimeter fence and concrete driveway.

Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW46

Lift Station No. 53 Rehabilitation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$535,000	\$0	\$0	\$535,000

Description: Complete lift station rehabilitation includes: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls; and installation of new perimeter fence and concrete driveway.

Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.

PROJECT REFERENCE WW47

Lift Station No. 58 Rehabilitation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$160,500	\$374,500	\$0	\$0	\$0	\$535,000

Description: Complete lift station rehabilitation includes: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls; and installation of new perimeter fence and concrete driveway.

Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW48

Lift Station No. 63 Pump Replacement

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator:
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$80,000	\$0	\$0	\$0	\$0	\$80,000

Description: Existing pump is at the end of its life cycle and unreliable. New submersible wastewater pump is non-clog.

Project Cost Savings & Revenues: After the pump is replaced, less frequent equipment breakdowns are expected.

PROJECT REFERENCE WW49

Lift Station No. 65 Pump Replacement

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$62,000	\$0	\$0	\$0	\$0	\$62,000

Description: Replace existing pump with new submersible wastewater non-clog pump.

Project Cost Savings & Revenues: Minimal down time and O&M cost savings.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
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PROJECT REFERENCE WW50

Lift Station No. 67 Rehabilitation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$100,000	\$435,000	\$40	\$0	\$0	\$535,000

Description: Complete lift station rehabilitation includes: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls; and installation of new perimeter fence and concrete driveway.

Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.

PROJECT REFERENCE WW51

Lift Station No. 77 Rehabilitation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$535,000	\$0	\$0	\$535,000

Description: Complete lift station rehabilitation includes: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls; and installation of new perimeter fence and concrete driveway.

Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW52

Lift Station No. 80 Rehabilitation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$100,000	\$435,000	\$0	\$0	\$0	\$535,000

Description: Complete lift station rehabilitation includes: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls; and installation of new perimeter fence and concrete driveway.

Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.

PROJECT REFERENCE WW53

Lift Station No. 82 Rehabilitation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$540,000	\$0	\$0	\$540,000

Description: Complete lift station rehabilitation includes: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls; and installation of new perimeter fence and concrete driveway.

Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW54

Lift Station No. 85 Rehabilitation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$535,000	\$0	\$0	\$535,000

Description: Complete lift station rehabilitation includes: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls; and installation of new perimeter fence and concrete driveway.

Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.

PROJECT REFERENCE WW55

Lift Station No. 89 Rehabilitation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$100,000	\$415,000	\$0	\$0	\$0	\$515,000

Description: Complete lift station rehabilitation includes: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls; and installation of new perimeter fence and concrete driveway.

Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW56

Lift Station No. 96 Decommission and Wastewater Line Installation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$100,000	\$400,000	\$0	\$0	\$0	\$500,000

Description: The lift station does not conform to BPUB specifications and TCEQ regulations. Decommission the lift station through installation of required sanitary sewer and complete removal, demolition, and proper abandonment of lift station structures.

Project Cost Savings & Revenues: After the lift station is decommissioned, there will not be any components to repair or maintain other than the regular maintenance of the gravity sewer system.

PROJECT REFERENCE WW57

Lift Station No. 99 Rehabilitation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$100,000	\$435,000	\$0	\$0	\$0	\$535,000

Description: Complete lift station rehabilitation includes: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls; and installation of new perimeter fence and concrete driveway.

Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW58

Lift Station No. 101 Rehabilitation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$100,000	\$0	\$435,000	\$0	\$0	\$535,000

Description: Complete lift station rehabilitation includes: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls; and installation of new perimeter fence and concrete driveway.

Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.

PROJECT REFERENCE WW59

Lift Station No. 102 Rehabilitation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$635,000	\$0	\$0	\$635,000

Description: Complete lift station rehabilitation includes: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls; and installation of new perimeter fence and concrete driveway.

Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW60

Lift Station No. 103 Decommission and Wastewater Line Installation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$0	\$500,000	\$0	\$500,000

Description: The lift station does not conform to BPUB specifications and TCEQ regulations. Decommission the lift station through installation of required sanitary sewer and complete removal, demolition, and proper abandonment of lift station structures.

Project Cost Savings & Revenues: After the lift station is decommissioned, there will not be any components to repair or maintain other than the regular maintenance of the gravity sewer system.

PROJECT REFERENCE WW61

Lift Station No. 105 Rehabilitation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$100,000	\$435,000	\$0	\$0	\$0	\$535,000

Description: Complete lift station rehabilitation includes: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls; and installation of new perimeter fence and concrete driveway.

Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW62

Lift Station No. 106 Rehabilitation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$100,000	\$435,000	\$0	\$0	\$0	\$535,000

Description: Complete lift station rehabilitation includes: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls; and installation of new perimeter fence and concrete driveway.

Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.

PROJECT REFERENCE WW63

Lift Station No. 106 Turbulence Reduction

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$30,000	\$70,000	\$0	\$0	\$0	\$100,000

Description: Modifications to the receiving manholes and force main outfall at Lift Station No. 106 will be made to reduce wastewater turbulence and thereby reducing corrosion and foul odor generation.

Project Cost Savings & Revenues: Cost savings due to less odor control.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW64

Lift Station No. 113 Rehabilitation

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$540,000	\$0	\$0	\$540,000

Description: Complete lift station rehabilitation includes: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls; and installation of new perimeter fence and concrete driveway.

Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.

PROJECT REFERENCE WW65

Lift Station No. 159 Motor Control Center (MCC) Building Replacement

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$100,000	\$280,000	\$0	\$0	\$0	\$380,000

Description: Replacement and relocation of motor control center (MCC) building, including all electrical gear, removal of existing MCC building and disposal of outdated electrical gear.

Project Cost Savings & Revenues: Minimal equipment breakdowns and repair costs.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW66

SWWTP Parking Lot Addition

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: General
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: New	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$30,000	\$0	\$0	\$0	\$0	\$30,000

Description: Addition of paved parking lot at the South Wastewater Treatment Plant to be used by maintenance personnel to park employee and company vehicles.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW67

South to North Wastewater Reroutes – Lift Station No. 4 Force Main

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Load/Capacity Relief
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$0	\$0	\$1,400,000	\$1,400,000

Description: Lift Station No. 4 force main installation to reroute flows to the north system.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW68

South to North Wastewater Reroutes – Lift Station No. 9 Upgrade and Valve Reconfiguration

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Load/Capacity Relief
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$0	\$0	\$690,000	\$690,000

Description: Lift Station No. 9 upgrade and valve reconfigurations will reroute flows to the north system.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW69

South to North Wastewater Reroutes – Lift Station No. 20, 22 and 27 Valve Reconfigurations

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Load/Capacity Relief
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$0	\$0	\$240,000	\$240,000

Description: Lift Station No. 20, 22 and 27 valve reconfigurations will reroute flows to the north system.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW70

South to North Wastewater Reroutes – Lift Station No. 33 and Force Main Upgrade

Organization: 3230 Wastewater Lift Stations	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Load/Capacity Relief
Project Occurrence: One-time	Originator: Noe C. Hernandez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$0	\$0	\$2,950,000	\$2,950,000

Description: Lift Station No. 33 and force main upgrade to reroute flows to the north system.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW71

Estimated carryover project amount

Organization: 3310 Water & Wastewater Engineering	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: David Ramirez
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$29,743	\$0	\$0	\$0	\$0	\$29,743

Description: Carryover projects include wastewater line inspections for subdivisions throughout the city and other wastewater utility projects. Note: \$29,743 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW72

North and South Colonias Project Design

Organization: 3310 Water & Wastewater Engineering	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: General
Project Occurrence: One-time	Originator: David Ramirez
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$150,000	\$0	\$0	\$0	\$0	\$150,000

Description: Design and surveying for the addition of first-time sewer services for various colonias in the North and South areas of Brownsville. Note: \$150,000 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW73

SWWTP Influent Channel Re-Coating and Grit System Upgrade

Organization: 3310 Water & Wastewater Engineering	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: David Ramirez
Category: New	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$50,000	\$0	\$0	\$0	\$0	\$50,000

Description: The project involves sandblasting and re-coating the concrete walls of the influent channels at the South Wastewater Treatment Plant as well as cleaning and upgrading the four grit chambers with a more efficient de-gritting system.

Project Cost Savings & Revenues: The new de-gritting system will require less maintenance as it is more efficient and more reliable.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW74

Clay Sewer Replacements Related to City Street Paving and Drainage Improvement Projects

Organization: 3310 Water & Wastewater Engineering	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: David Ramirez
Category: New	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$500,000	\$0	\$0	\$0	\$0	\$500,000

Description: The project involves replacement of clay wastewater gravity mains and service laterals and concrete manholes with PVC wastewater mains and service laterals and fiberglass manholes due to the City’s Street Reconstruction 5-Year Plan.

Project Cost Savings & Revenues: Since clay lines historically have been found to deteriorate with time, wastewater mains and service connections should be replaced with PVC lines and wastewater manholes with fiberglass manholes, reducing O&M costs.

PROJECT REFERENCE WW75

Downtown Market Square Improvements

Organization: 3310 Water & Wastewater Engineering	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: David Ramirez
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$216,935	\$0	\$0	\$0	\$0	\$216,935

Description: This project includes wastewater infrastructure improvements that include the upgrade of the sewer gravity main from International Blvd to 14th Street in the Downtown Market Area. Note: \$216,935 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: Reduction of utility repairs.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
 FY 2018 – FY 2022

PROJECT REFERENCE WW76

FM 511 – 802 Colonia Wastewater Improvements Project

Organization: 3310 Water & Wastewater Engineering Funding Source: Improvement and Commercial Paper
 Project Related to: Replacements/Upgrades/Rehabilitation Project Considered: General
 Project Occurrence: One-time Originator: David Ramirez
 Category: Carryover

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$250,878	\$0	\$0	\$0	\$0	\$250,878

Description: This project consists of extending the sanitary sewer infrastructure to the southeast of Brownsville to provide services to first time users. The project will serve approximately 970 dwellings and will include 7 new lift stations. Note: \$250,818 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: Reduction of maintenance and O&M costs.

PROJECT REFERENCE WW77

Estimated carryover project amount

Organization: 3310 Water & Wastewater Engineering Funding Source: Commercial Paper
 Project Related to: Replacements/Upgrades/Rehabilitation Project Considered: Must Do
 Project Occurrence: One-time Originator: David Ramirez
 Category: Carryover

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$58,109	\$0	\$0	\$0	\$0	\$58,109

Description: Carryover projects include engineering services associated with the 16-inch waterline loop from W Alton Gloor Blvd to Lago Vista Street. Note: \$58,109 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW78

Ringgold Street – COB and Utility Improvements

Organization: 3310 Water & Wastewater Engineering	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: David Ramirez
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$53,933	\$0	\$0	\$0	\$0	\$53,933

Description: This project involves the replacement of clay sewer gravity line with PVC and concrete manholes with fiberglass manholes and service laterals. Note: \$53,933 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: Reduction of maintenance and O&M costs

PROJECT REFERENCE WW79

Las Palmas First-Time Sewer Collection Project

Organization: 3310 Water & Wastewater Engineering	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: General
Project Occurrence: One-time	Originator: David Ramirez
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$470,658	\$0	\$0	\$0	\$0	\$470,658

Description: This project is for the construction and addition of first-time sewer services to the Las Palmas colonia. Note: \$470,658 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: Reduction of maintenance and O&M costs.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW80

North Street Paving and Drainage Improvements

Organization: 3310 Water & Wastewater Engineering	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: David Ramirez
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$248,697	\$0	\$0	\$0	\$0	\$248,697

Description: This project involves the replacement of clay sewer gravity line with PVC and concrete manholes with fiberglass manholes and service laterals. Note: \$248,697 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: Reduction of maintenance and O&M costs.

PROJECT REFERENCE WW81

Gazelle Street – Paving and Drainage Improvements

Organization: 3310 Water & Wastewater Engineering	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: David Ramirez
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$259,740	\$0	\$0	\$0	\$0	\$259,740

Description: This project involves the replacement of clay sewer gravity line with PVC and concrete manholes with fiberglass manholes and service laterals. Note: \$259,740 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: Reduction of maintenance and O&M costs.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW82

Vapor Phase Odor Control Design, Bidding & Construction Services

Organization: 3310 Water & Wastewater Engineering	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: General
Project Occurrence: One-time	Originator: David Ramirez
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$2,550,000	\$0	\$0	\$0	\$0	\$2,550,000

Description: Provide Vapor Phase Odor Control Biotrickling Filters at 8 lift stations throughout the Wastewater Collections System. Note: \$2,550,000 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: Switching from chemical phase to vapor phase will generate cost savings.

PROJECT REFERENCE WW83

Old Port Isabel Road 20” Force Main Rehabilitation Project

Organization: 3310 Water & Wastewater Engineering	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: David Ramirez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$338,805	\$2,005,152	\$405,000	\$0	\$0	\$2,748,957

Description: The analysis, design and construction will upgrade the lift station pumps and force main from Lift Station No. 9, 41 and 172 to the Robindale Wastewater Treatment Plant.

Project Cost Savings & Revenues: Energy savings will be provided by relieving the pumping pressure.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW84

North Regional Lift Stations and Force Main System – Phase 1

Organization: 3310 Wastewater Lift Stations
Project Related to: Growth
Project Occurrence: One-time
Category: New

Funding Source: Impact Fees
Project Considered: Load/Capacity Relief
Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$100,000	\$1,022,810	\$2,000,000	\$0	\$0	\$3,122,810

Description: Wastewater flow from BPUB’s northwest service areas is currently bottlenecked through a series of force mains and lift stations along major arterials that serve other areas and were not designed/sized to serve the northwest. These force mains and lift stations are overloaded and cannot accommodate any more flow from additional growth.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW85

North Regional Lift Stations and Force Main System – Phase 2

Organization: 3310 Wastewater Lift Stations
Project Related to: Growth
Project Occurrence: One-time
Category: New

Funding Source: Commercial Paper
Project Considered: Load/Capacity Relief
Originator: David Ramirez

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$0	\$0	\$6,377,190	\$6,377,190

Description: Wastewater flow from BPUB’s northwest service areas is currently bottlenecked through a series of force mains and lift stations along major arterials that serve other areas and were not designed/sized to serve the northwest. These force mains and lift stations are overloaded and cannot accommodate any more flow from additional growth.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW86

Lift Station Upgrades – Project 51 A

Organization: 3310 Water & Wastewater Engineering	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: General
Project Occurrence: One-time	Originator: David Ramirez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$0	\$0	\$2,959,000	\$2,959,000

Description: This 2010 Water & Wastewater Master Plan project proposes upgrades in capacity at seven lift stations to accommodate projected wastewater demand. Upgrades include replacement of wet wells and mechanical and electrical components.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW87

Lift Station Upgrades – Project 51 B

Organization: 3310 Water & Wastewater Engineering	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: David Ramirez
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$0	\$0	\$2,600,000	\$2,600,000

Description: This 2010 Water & Wastewater Master Plan project proposes upgrades in capacity at five lift stations to accommodate projected wastewater demand. Upgrades include replacement of wet wells and mechanical and electrical components.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW88

BECC/NADBANK Home Connections Project

Organization: 3310 Water & Wastewater Engineering	Funding Source: Grants
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: General
Project Occurrence: One-time	Originator: David Ramirez
Category: Carryover	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$3,693,935	\$0	\$0	\$0	\$0	\$3,693,935

Description: This project is for the construction of yard-line connections to approximately 465-500 homes in the FM-511-802 Colonias project area. Note: \$2,993,935 is the FY 2017 carryover amount.

Project Cost Savings & Revenues: N/A.

PROJECT REFERENCE WW89

Proposed Wastewater Effluent Reuse Line – Engineering and Feasibility Services

Organization: 4310 Operational Support Services	Funding Source: Commercial Paper
Project Related to: Growth	Project Considered: Must Do
Project Occurrence: One-time	Originator: Jaime Estrada
Category: Resubmission	

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$0	\$0	\$7,500,000	\$7,500,000

Description: Engineering, feasibility and construction associated with the proposed wastewater reuse line to the proposed Tenaska Brownsville Generation Station.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2018 – FY 2022

PROJECT REFERENCE WW90

Proposed Industrial Wastewater Transportation Service – Engineering and Feasibility Services

Organization: 4310 Operational Support Services
Project Related to: Growth
Project Occurrence: One-time
Category: Resubmission

Funding Source: Commercial Paper
Project Considered: Must Do
Originator: Jaime Estrada

Estimated Costs by Fiscal Year

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	TOTAL
\$0	\$0	\$0	\$0	\$4,250,000	\$4,250,000

Description: Engineering, feasibility and construction associated with the proposed industrial wastewater transportation service to the proposed Tenaska Brownsville Generation Station.

Project Cost Savings & Revenues: N/A

CAPITAL BUDGET SUMMARY
Improvement Fund Projects (Fund 400)

PROJ. REF.	UTILITY FUNCTION	DESCRIPTION	FISCAL YEAR 2018	FISCAL YEARS 2019 - 2022	FIVE-YEAR TOTAL
ELECTRIC PROJECTS					
DEPARTMENT 2120 - SUBSTATIONS AND RELAYING					
E 1	Elec Trans	Battery Banks Replacement at Loma Alta, Midtown, and Union Carbide Substations	\$ 75,000	\$ -	\$ 75,000
E 2	Elec Trans	138 KV Breakers Replacement at FM802, Military Hwy, and Waterport Substations	350,000	-	350,000
E 3	Elec Trans	Airport Substation, Transformer No. 1 Upgrade, 69 KV to 138 KV	300,000	2,400,000	2,700,000
E 4	Elec Trans	Union Carbide Substation Upgrade, 69 KV to 138 KV	-	2,250,000	2,250,000
E 5	Elec Trans	Replace Legacy Overcurrent and Transformer Differential Protection Relays	75,000	225,000	300,000
E 6	Elec Dist	Power Transformers Radiators Replacement for FM 802 and Price Rd Substations	80,649	-	80,649
Total for Dept 2120			880,649	4,875,000	5,755,649
DEPARTMENT 2130 - ELECTRIC TRANS. & DIST. NEW CONSTRUCTION					
E 7	Elec Dist	Recloser Controls, 10 each 15 kV, throughout City	425,000	-	425,000
Total for Dept 2130			425,000	-	425,000
DEPARTMENT 2210 - SCADA & ELECTRICAL SUPPORT SERVICES					
E 9	Elec Dist	SCADA (Substations Communications) - Board-approved on 10/10/16 and additional funds on 04/10/17	1,023,366	-	1,023,366
E 10	Elec Trans	Substation and Control Centers Video Camera Upgrade	-	350,000	350,000
E 11	Elec Trans	Fiber Optic for Communication Path from Loma Alta to FM802 Substation & South Plant to Airport Substations	200,000	-	200,000
Total for Dept. 2210			1,223,366	350,000	1,573,366
DEPARTMENT 2410 - ELECTRIC ENGINEERING					
E 12	Elec Dist	Estimated carryover project amount - Electric Dist.	525,666	-	525,666
E 13	Elec Trans	Estimated carryover project amount - Electric Trans.	12,092	-	12,092
E 14	Elec Dist	New Connections*	844,375	2,300,000	3,144,375
E 15	Elec Dist	New Subdivisions*	898,194	1,140,000	2,038,194
E 16	Elec Dist	Security Light Installation (Private & Commercial Lots)*	226,124	387,000	613,124
E 17	Elec Dist	Street Light Installations (Roadways, Streets, Alleys, Intersections)*	69,314	200,000	269,314
E 18	Elec Dist	Trouble Calls & Service Increases*	1,076,324	3,498,009	4,574,333
E 19	Elec Dist	Install a Second Power Transformer at the Waterport Substation	200,000	1,685,000	1,885,000
E 20	Elec Dist	Capacitor Bank and Controller Installations	150,000	600,000	750,000
E 21	Elec Dist	Install a Second Power Transformer at the Palo Alto Substation	-	765,000	765,000
E 22	Elec Dist	South Plant Substation Feeder to serve new developments	150,000	-	150,000
E 23	Elec Dist	Distribution Feeder Protection	125,000	-	125,000
E 24	Elec Dist	Install Electric Cable and Conduit at the Brownsville Country Club Subdivision	2,075,155	-	2,075,155
E 25	Elec Trans	Loma Alta Switching and Distribution Substation Upgrades to Accomr	200,000	2,300,000	2,500,000
E 26	Elec Dist	Amfels OH to URD Conversion Project	191,488	-	191,488
E 27	Elec Trans	345KV Transmission Line from Tenaska to Loma Alta Substation	100,496	-	100,496
E 28	Elec Dist	Purchase and installation of new lighting fixtures at the Brownsville Events Center - Board-approved on 11/14/16 and additional funds on 04/10/17	382,345	-	382,345
E 29	Elec Dist	Feeder Utility Pole Replacement Project off of Boca Chica Blvd and other locations in the City of Brownsville	49,519	-	49,519
E 30	Elec Dist	Transfer switch at VRMC	78,936	-	78,936
Total for Dept 2410			7,355,028	12,875,009	20,230,037
DEPARTMENT 7135 - GEOGRAPHIC INFORMATION SYSTEMS					
E 32	Elec Dist	Schneider ArcFM Fiber Manager Integration with GIS	-	45,000	45,000
E 33	Elec Admin	Improvements submitted by staff for Electric Utility	-	150,000	150,000
Total for Dept 7135			-	195,000	195,000
ELECTRIC TRANS. & DIST. PROJECT TOTAL:			\$ 9,884,043	\$ 18,295,009	\$ 28,179,052

Note:

*Denotes routine projects or projects that reoccur annually. All other non-noted projects are considered non-routine or are a one-time occurrence.

CAPITAL BUDGET SUMMARY
Improvement Fund Projects (Fund 400) – Continued

PROJ. REF.	UTILITY FUNCTION	DESCRIPTION	FISCAL YEAR 2018	FISCAL YEARS 2019 - 2022	FIVE-YEAR TOTAL
DEPARTMENT 1145 - ELECTRICAL SYSTEMS					
E 34	Elec Gen	Brownsville Electric Generating Station - planning and development services	51,007	-	51,007
E 35	Elec Gen	Cross Valley Natural Gas Pipeline	2,459,042	-	2,459,042
Total for Dept 1145			2,510,049	-	2,510,049
DEPARTMENT 1420 - ENVIRONMENTAL COMPLIANCE					
E 36	Elec Admin	Environmental Building Rehabilitation	202,000	-	202,000
Total for Dept 1420			202,000	-	202,000
DEPARTMENT 2220 - POWER PRODUCTION					
E 37	Elec Gen	Hidalgo Capital Improvements*	397,385	175,000	572,385
E 38	Elec Gen	Oklahoma Capital Improvements*	3,775,195	1,546,612	5,321,807
E 39	Elec Gen	Unit 6 Circulation Line and Infrastructure Improvement	-	1,104,970	1,104,970
E 40	Elec Gen	Unit 6/9 GSU Project	310,000	-	310,000
E 41	Elec Gen	Unit 6/9 Protective Relay System Replacement	375,000	-	375,000
E 42	Elec Gen	Unit 10 Chiller Cooling Tower Replacement	500,000	-	500,000
E 43	Elec Gen	Unit 10 Ovation Control Replacement	684,803	-	684,803
Total for Dept 2220			6,042,383	2,826,582	8,868,965
ELECTRIC GENERATION PROJECT TOTAL:			\$ 8,754,432	\$ 2,826,582	\$ 11,581,014
ESTIMATED PROJECT TOTAL - ELECTRIC			\$ 18,638,475	\$ 21,121,591	\$ 39,760,066
GENERAL & ADMINISTRATIVE PROJECTS					
DEPARTMENT 1110 - GENERAL MANAGER					
G 1	Gen. Admin.	Architect/engineering design services for Administration Building Annex	1,396,583	-	1,396,583
G 2	Gen. Admin.	Architect/engineering design services for FM 511 Facilities Relocation Project	208,969	-	208,969
G 3	Gen. Admin.	Annex Admin Bldg, new Service Center (FM 511), remodel existing Admin Bldg - additional funds Board-approved on 10/10/16	1,500,000	3,000,000	4,500,000
Total for Dept. 1110			3,105,552	3,000,000	6,105,552
DEPARTMENT 1165 - RECORDS MANAGEMENT					
G 4	Gen. Admin.	Implementation of an Enterprise Content Management (ECM) System	690,000	-	690,000
Total for Dept 1165			690,000	-	690,000
DEPARTMENT 1422 - ANALYTICAL LAB					
G 5	Gen. Admin.	Laboratory Expansion	150,000	200,000	350,000
Total for Dept 1422			150,000	200,000	350,000
DEPARTMENT 5120 - ACCOUNTING					
G 6	Gen. Admin.	Consulting Services for New Financial Management System and Accounting Software	-	300,000	300,000
Total for Dept 5120			-	300,000	300,000
DEPARTMENT 6135 - CIS SUPPORT					
C 1	Cust. Svc	Cayenta Utilities (UMS) Upgrade Version 7.9.3	-	250,000	250,000
Total for Dept 6135			-	250,000	250,000

Note:

*Denotes routine projects or projects that reoccur annually. All other non-noted projects are considered non-routine or are a one-time occurrence.

CAPITAL BUDGET SUMMARY
Improvement Fund Projects (Fund 400) – Continued

PROJ. REF.	UTILITY FUNCTION	DESCRIPTION	FISCAL YEAR 2018	FISCAL YEARS 2019 - 2022	FIVE-YEAR TOTAL
DEPARTMENT 7130 - INFORMATION TECHNOLOGY					
G 7	Gen. Admin.	Cisco Core Networking Equipment - FM 511	100,000	-	100,000
G 8	Gen. Admin.	UPS - New Building FM 511	-	25,000	25,000
G 9	Gen. Admin.	Tower Redundant Network - FM 511 and SCADA Building	80,000	-	80,000
G 10	Gen. Admin.	Cisco Core Networking Equipment - Main Building	50,000	-	50,000
G 11	Gen. Admin.	Dell FX chassis and storage - Power Plant	60,000	-	60,000
G 12	Gen. Admin.	Dell FX chassis and storage - Main Building	60,000	-	60,000
G 13	Gen. Admin.	Appliance for Virtual Terminals - Power Plant	80,000	-	80,000
G 14	Gen. Admin.	Appliance for Virtual Terminals - Main Building	80,000	-	80,000
G 15	Gen. Admin.	Phone System Blades and Storage	80,000	-	80,000
G 16	Gen. Admin.	Fax Over IP	15,000	-	15,000
G 17	Gen. Admin.	Ironport Appliances	2,469	-	2,469
G 18	Gen. Admin.	Server Storage	46,644	-	46,644
G 19	Gen. Admin.	Wireless Access Points	10,710	-	10,710
G 20	Gen. Admin.	Web Replication Software	30,000	-	30,000
G 21	Gen. Admin.	Enterprise Backup Appliance DR4100	50,000	-	50,000
G 22	Gen. Admin.	ArcMail Appliance & Email Archive	25,000	-	25,000
Total for Dept 7130			769,823	25,000	794,823
DEPARTMENT 7135 - GEOGRAPHIC INFORMATION SYSTEMS					
G 23	Gen. Admin.	Computerized Maintenance Management System (CMMS) Consultant	150,000	-	150,000
G 24	Gen. Admin.	Computerized Maintenance Management System (CMMS) Integration	100,000	-	100,000
Total for Dept 7135			250,000	-	250,000
DEPARTMENT 7140 - HUMAN RESOURCES					
G 25	Gen. Admin.	HR Information System (HRIS) Software	75,000	75,000	150,000
Total for Dept. 7140			75,000	75,000	150,000
DEPARTMENT 7150 - FLEET MANAGEMENT					
G 26	Gen. Admin.	Fuel Tank Replacement (Unleaded Tanks #1 & 2)	110,000	-	110,000
G 27	Gen. Admin.	Fleet Management Systems	130,000	-	130,000
G 28	Gen. Admin.	FuelMaster AIMS Upgrade	95,500	-	95,500
Total for Dept. 7150			335,500	-	335,500
DEPARTMENT 9110 - COMPANY-WIDE EXPENSES					
G 29	Gen. Admin.	Estimated carryover project amount - General	92,535	-	92,535
C 2	Cust. Svc	Est. carryover project amount - Customer Service	102,637	-	102,637
Total for Dept 9110			195,172	-	195,172
ESTIMATED TOTAL BY CATEGORY:					
GENERAL & ADMINISTRATIVE			5,468,410	3,600,000	9,068,410
ADMINISTRATIVE - CUSTOMER SERVICE			102,637	250,000	352,637
ESTIMATED PROJECT TOTAL - GEN. & ADMIN.			\$ 5,571,047	\$ 3,850,000	\$ 9,421,047
ESTIMATED OVERALL PROJECT TOTAL - ELECTRIC			\$ 24,209,522	\$ 24,971,591	\$ 49,181,113
E 46		ADD CARRYOVER CAPITAL EQUIPMENT	5,631,138	-	5,631,138
E 46		ADD ESTIMATED CAPITAL EQUIPMENT BUDGET	1,952,399	6,000,000	7,952,399
ESTIMATED OVERALL TOTAL - ELECTRIC			\$ 31,793,059	\$ 30,971,591	\$ 62,764,650

CAPITAL BUDGET SUMMARY
Improvement Fund Projects (Fund 400) – Continued

PROJ. REF.	UTILITY FUNCTION	DESCRIPTION	FISCAL YEAR 2018	FISCAL YEARS 2019 - 2022	FIVE-YEAR TOTAL
WATER PROJECTS					
DEPARTMENT 3120 - WATER PLANT I					
W 1	Wtr Treat	Gate Valves for Flocculator Section, Valves for Diversion Box for Clarifiers and Drain Valve for Basin A	235,000	-	235,000
W 2	Wtr Treat	Repair Cracks on Floor and Walls of Sedimentation Basin "C"	100,000	210,000	310,000
W 3	Wtr Supply	High Service Pump No. 5 - Pump and Motor	400,000	-	400,000
W 4	Wtr Admin	Chain Link Fence Upgrade	-	26,414	26,414
W 5	Wtr Treat	Two Flocculator Units (replace existing units)	-	46,800	46,800
W 6	Wtr Supply	Drain Valves for The Drying Lagoons	58,500	-	58,500
W 7	Wtr Treat	Variable Frequency Drives at High Service Pump Stations	-	156,000	156,000
W 8	Wtr Treat	Replace Influent Valves for 8 Filters	-	162,500	162,500
W 9	Wtr Treat	Replacement of Rakes for Two Clarifiers (B1 and B2)	-	260,000	260,000
W 10	Wtr Treat	Access Control and Facility Cameras	-	156,000	156,000
W 11	Wtr Supply	Ammonia Conversion From Gas to Liquid	-	376,740	376,740
W 12	Wtr Supply	20 Inch Butterfly valve and check valve for backwash pump &	44,432	-	44,432
W 13	Wtr Treat	Chlorine ton containers - Emergency shut down system	7,795	-	7,795
Total for Dept 3120			845,727	1,394,454	2,240,181
DEPARTMENT 3130 - WATER PLANT II					
W 14	Wtr Treat	Lighting on The Sedimentation Basin	69,648	-	69,648
W 15	Wtr Treat	Installation of New Caustic Soda Feed System	280,000	-	280,000
W 16	Wtr Treat	Installation of Handrails Around the Filters	-	87,000	87,000
W 17	Wtr Supply	Water Plant No. 2 Roofing	139,200	-	139,200
W 18	Wtr Treat	Ammonia Conversion from Gas to Liquid	-	275,000	275,000
W 19	Wtr Treat	High Service Pump with Variable Frequency Drive (VFD)	-	250,000	250,000
W 20	Wtr Treat	Aeration Structure Rehabilitation	75,000	300,840	375,840
W 21	Wtr Treat	Resaca Raw Water Pumping Station	-	475,000	475,000
Total for Dept 3130			563,848	1,387,840	1,951,688
DEPARTMENT 3150 - W/WW OPERATIONS & CONSTRUCTION					
W 26	Wtr T & D	Water New Connections*	650,000	2,600,000	3,250,000
W 27	Wtr T & D	Water Distribution System Valve Replacement Project - Board-approved on 10/10/16	483,671	-	483,671
Total for Dept 3150			1,133,671	2,600,000	3,733,671
DEPARTMENT 3310 - WATER & WASTEWATER ENGINEERING					
W 28	Wtr T & D	Estimated carryover project amount	302,091	-	302,091
W 29	Wtr T & D	Asbestos Cement (AC) Water Main Replacements Related to City Street Paving and Drainage Improvement Projects	500,000	-	500,000
Total for Dept 3310			802,091	-	802,091
DEPARTMENT 7135 - GEOGRAPHIC INFORMATION SYSTEMS					
W 52	Wtr Admin	Improvements submitted by staff for Water Utility	-	475,000	475,000
Total for Dept 7135			-	475,000	475,000
ESTIMATED PROJECT TOTAL - WATER			\$ 3,345,337	\$ 5,857,294	\$ 9,202,631
ADD CARRYOVER CAPITAL EQUIPMENT			-	-	-
ADD ESTIMATED CAPITAL EQUIPMENT BUDGET			-	-	-
ESTIMATED OVERALL TOTAL - WATER			\$ 3,345,337	\$ 5,857,294	\$ 9,202,631
WASTEWATER PROJECTS					
DEPARTMENT 3210 - SOUTH WASTEWATER TREATMENT PLANT					
WW 4	WW Treat	Non-Potable Water Control Panel Upgrade	7,996	-	7,996
WW 5	WW Treat	Blower Building #1 Roof Replacement	32,500	-	32,500
WW 6	WW Treat	Shaftless Screw Conveyor for the Belt Filter Press Dewatering	-	62,400	62,400
WW 7	WW Treat	Facility chain link fence	110,500	-	110,500
WW 8	WW Treat	Chlorine Contact Chamber Sluice Gate Replacement Project	130,000	-	130,000
WW 9	WW Treat	Emergency Vapor Scrubber System (EVSS) Rehabilitation/Repairs/Replacement	-	247,000	247,000
Total for Dept 3210			280,996	309,400	590,396

Note:

*Denotes routine projects or projects that reoccur annually. All other non-noted projects are considered non-routine or are a one-time occurrence.

CAPITAL BUDGET SUMMARY
Improvement Fund Projects (Fund 400) – Continued

PROJ. REF.	UTILITY FUNCTION	DESCRIPTION	FISCAL YEAR 2018	FISCAL YEARS 2019 - 2022	FIVE-YEAR TOTAL
DEPARTMENT 3220 - ROBINDALE WASTEWATER TREATMENT PLANT					
WW 12	WW Treat	Ultraviolet Light Canopy Project - Engineering Phase	23,451	-	23,451
WW 13	WW Treat	One New Grit Pump for The Eutek Head Cell Grit Pumping Station	19,140	-	19,140
WW 14	WW Treat	Replacement/Construction of New Concrete Marquee Sign	34,800	-	34,800
WW 15	WW Treat	Blower Building No. 1 Roof Replacement	40,050	-	40,050
WW 16	WW Treat	Four Torque Valve Actuators for The Train Inlet Isolation Valves	60,890	-	60,890
WW 17	WW Treat	Nitrification Control System Phase I Implementation (for Train No. 3 & 4)	-	188,500	188,500
WW 18	WW Treat	Belt Filter Press Dewatering Station	-	3,673,215	3,673,215
WW 19	WW Admin	North Wastewater Treatment Plant Administration Building Improvements - Board-approved on 07/10/17	400,000	-	400,000
Total for Dept 3220			578,331	3,861,715	4,440,046
DEPARTMENT 3310 WATER & WASTEWATER ENGINEERING					
WW 71	WW Coll	Estimated carryover project amount	29,743	-	29,743
WW 72	WW Coll	North and South Colonias Project Design	150,000	-	150,000
WW 73	WW Treat	SWWTP Influent Channel Re-Coating and Grit System Upgrade	50,000	-	50,000
WW 74	WW Coll	Clay Sewer Replacements Related to City Street Paving and Drainage Improvement Projects	500,000	-	500,000
WW 75	WW Coll	Downtown Market Square Improvements	216,935	-	216,935
WW 76	WW Coll	FM 511-802 Colonia Wastewater Improvements Project - Funds for environmental contract amendment	182,798	-	182,798
Total for Dept 3310			1,129,476	-	1,129,476
ESTIMATED PROJECT TOTAL - WASTEWATER			\$ 1,988,803	\$ 4,171,115	\$ 6,159,918
ADD CARRYOVER CAPITAL EQUIPMENT			-	-	-
ADD ESTIMATED CAPITAL EQUIPMENT BUDGET			-	-	-
ESTIMATED OVERALL TOTAL - WASTEWATER			\$ 1,988,803	\$ 4,171,115	\$ 6,159,918
ESTIMATED PROJECT TOTAL			\$ 29,543,662	\$ 35,000,000	\$ 64,543,662
ESTIMATED CAPITAL EQUIPMENT TOTAL			7,583,537	6,000,000	13,583,537
OVERALL IMPROVEMENT FUND TOTAL:			\$ 37,127,199	\$ 41,000,000	\$ 78,127,199

CAPITAL BUDGET SUMMARY
Impact Fees Fund Projects (Fund 410)

PROJ. REF.	UTILITY FUNCTION	DESCRIPTION	FISCAL YEAR 2018	FISCAL YEARS 2019 - 2022	FIVE-YEAR TOTAL
WATER PROJECTS					
DEPARTMENT 3310 - WATER & WASTEWATER ENGINEERING					
W 30	Wtr T & D	Waterline Upgrade on Southmost Blvd. from EST 4 to Lima St.	\$ 250,000	\$ -	\$ 250,000
W 31	Wtr T & D	Waterline Upgrade Near WTP#1	-	1,021,000	1,021,000
W 32	Wtr T & D	16-inch Waterline Loop from Lago Vista to W. Alton Gloor Blvd.	1,048,526	1,360,800	2,409,326
W 33	Wtr T & D	Concrete Steel Cylinder Waterline Upgrade from Boca Chica Blvd. (SH48) to WTP No. 2 - Design Phase	-	200,000	200,000
W 34	Wtr T & D	24-inch Waterline Loop along FM 511 from SRWA to Old Port Isabel Rd. - Design Phase	-	1,100,000	1,100,000
Total for Dept 3310			1,298,526	3,681,800	4,980,326
ESTIMATED PROJECT TOTAL - WATER			\$ 1,298,526	\$ 3,681,800	\$ 4,980,326
DEPARTMENT 3310 - WATER & WASTEWATER ENGINEERING					
WW 84	WW Coll	North Regional Lift Stations and Force Main System - Phase 1	100,000	3,022,810	3,122,810
Total for Dept 3310			100,000	3,022,810	3,122,810
ESTIMATED PROJECT TOTAL - WASTEWATER			\$ 100,000	\$ 3,022,810	\$ 3,122,810
OVERALL TOTAL IMPACT FEES FUND BUDGET:			\$ 1,398,526	\$ 6,704,610	\$ 8,103,136

CAPITAL BUDGET SUMMARY
Future Debt Bond Proceeds Projects (Commercial Paper Fund 405)

PROJ. REF.	UTILITY FUNCTION	DESCRIPTION	FISCAL YEAR 2018	FISCAL YEARS 2019 - 2022	FIVE-YEAR TOTAL
ELECTRIC PROJECTS					
DEPARTMENT 2210 - SCADA & ELECTRICAL SUPPORT SERVICES					
E 8	Elec Trans	Electrical SCADA Replacement of System Software and Hardware	\$ 2,062,000	\$ -	\$ 2,062,000
Total for Dept 2210			2,062,000	-	2,062,000
DEPARTMENT 2410 - ELECTRIC ENGINEERING					
	Elec Dist	Estimated carryover project amount - Electric Dist.	-	-	-
	Elec Trans	Estimated carryover project amount - Electric Trans.	-	-	-
E 31	Elec Trans	Rio Grande Distribution Substation Upgrade, 69KV to 138 KV	3,053,269	681,731	3,735,000
Total for Dept 2410			3,053,269	681,731	3,735,000
ELECTRIC TRANS. & DIST. PROJECT TOTAL:			5,115,269	681,731	5,797,000
DEPARTMENT 2220 - POWER PRODUCTION					
E 44	Elec Gen	Unit 6 Heat Recovery Steam Generator (HRSG) Improvement	-	2,135,000	2,135,000
E 45	Elec Gen	Unit 6/9 Combined Cycle Systems Upgrade	-	1,489,000	1,489,000
Total for Dept 2220			-	3,624,000	3,624,000
ELECTRIC GENERATION PROJECT TOTAL:			-	3,624,000	3,624,000
ESTIMATED OVERALL PROJECT TOTAL - ELECTRIC			\$ 5,115,269	\$ 4,305,731	\$ 9,421,000
WATER PROJECTS					
DEPARTMENT 3130 - WATER PLANT II					
W 22	Wtr Supply	Chemical Containment Coating	24,000	-	24,000
W 23	Wtr Supply	High Service Pump Variable Frequency Drive (VFD)	-	46,400	46,400
Total for Dept 3130			24,000	46,400	70,400
DEPARTMENT 3140 - RAW WATER SUPPLY					
W 24	Wtr Supply	Raw water infrastructure improvements	-	261,000	261,000
W 25	Wtr Supply	New Reservoir Water Circulator	-	50,000	50,000
Total for Dept 3140			-	311,000	311,000
DEPARTMENT 3310 - WATER & WASTEWATER ENGINEERING					
W 35	Wtr T & D	Estimated carryover project amount	79,659	-	79,659
W 33	Wtr T & D	Concrete Steel Cylinder Waterline Upgrade from Boca Chica Blvd. (SH48) to WTP No. 2 - Construction Phase	-	1,263,000	1,263,000
W 36	Wtr T & D	Filter System Rehabilitation Project at Water Treatment Plants No. 1 and No. 2 (construction phase)	955,915	-	955,915
W 37	Wtr T & D	EST No. 8 - 2 Million Gallon Elevated Storage Tank to Replace the Southmost Elevated Storage Tank	1,815,500	1,815,500	3,631,000
W 38	Wtr T & D	New Raw Water River Intake Facility	150,000	7,500,000	7,650,000
W 39	Wtr T & D	Gazelle Street - COB and Utility Improvements	242,900	-	242,900
W 40	Wtr T & D	North Street - COB and Utility Improvements	75,000	268,381	343,381
W 41	Wtr T & D	South Iowa - COB and Utility Improvements	75,000	272,685	347,685
W 42	Wtr T & D	Southmost Blvd - COB and Utility Improvements	100,000	538,867	638,867
W 43	Wtr T & D	18-inch Waterline along Old Hwy 77 and FM 511 to Old Alice Rd.	-	2,852,000	2,852,000
W 44	Wtr T & D	16-inch Waterline on Boca Chica Blvd from International Blvd to Owens Rd.	-	748,000	748,000
W 45	Wtr T & D	Martinal Area Waterline System Loops	-	1,115,000	1,115,000
W 46	Wtr T & D	Waterline Upgrade on Southmost Blvd. from E. 14th St. to E. 25th St.	-	1,575,000	1,575,000

CAPITAL BUDGET SUMMARY
Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued

PROJ. REF.	UTILITY FUNCTION	DESCRIPTION	FISCAL YEAR 2018	FISCAL YEARS 2019 - 2022	FIVE-YEAR TOTAL
W 47	Wtr T & D	Waterline Upgrade on Southmost Blvd. from E. 25th St. to E. 30th St.	-	758,000	758,000
W 48	Wtr T & D	12-inch Waterline West of Hwy 77	-	1,345,000	1,345,000
W 49	Wtr T & D	16-inch Waterline Loop along FM 511 from SH 48 to Boca Chica Blvd.	-	2,900,000	2,900,000
W 34	Wtr T & D	24-inch Waterline Loop along FM 511 from SRWA to Old Port Isabel Rd. - Construction Phase	-	7,268,000	7,268,000
W 50	Wtr T & D	16-inch Waterline at Summer Hill Subdivision	-	894,000	894,000
W 51	Wtr T & D	16-inch Waterline on Boca Chica Blvd. from Owens Rd. to Iowa Ave.	-	1,850,000	1,850,000
Total for Dept 3310			3,493,974	32,963,433	36,457,407
WATER PROJECT TOTAL:			\$ 3,517,974	\$ 33,320,833	\$ 36,838,807
ADD CARRYOVER CAPITAL EQUIPMENT			-	-	-
ADD ESTIMATED CAPITAL EQUIPMENT BUDGET			-	-	-
ESTIMATED OVERALL TOTAL - WATER			\$ 3,517,974	\$ 33,320,833	\$ 36,838,807
WASTEWATER PROJECTS					
DEPARTMENT 2210 - SCADA & ELECTRICAL SUPPORT SERVICES					
WW 1	WW Coll	W/WW SCADA Southmost Communication Tower	250,000	-	250,000
WW 2	WW Coll	W/WW SCADA/Lift Station Integration	100,000	-	100,000
Total for Dept 2210			350,000	-	350,000
DEPARTMENT 3150 - W/WW OPERATIONS & CONSTRUCTION					
WW 3	WW Coll	Wastewater New Connections*	450,000	1,800,000	2,250,000
Total for Dept 3150			450,000	1,800,000	2,250,000
DEPARTMENT 3210 - SOUTH WASTEWATER TREATMENT PLANT					
WW 10	WW Treat	Air Condition System Replacement at South WWTP Administration Building	18,386	-	18,386
WW 11	WW General	SWWTP Aeration Basin No. 2 Guardrail Replacement Project	156,700	-	156,700
Total for Dept 3210			175,086	-	175,086
DEPARTMENT 3220 - ROBINDALE WASTEWATER TREATMENT PLANT					
WW 12	WW Treat	Ultraviolet Light Canopy Project - Construction Phase	416,440	-	416,440
Total for Dept 3220			416,440	-	416,440
DEPARTMENT 3230 - WASTEWATER LIFT STATIONS					
WW 20	WW Pump	Rehabilitation of Lift Station No. 7 and 18	434,734	-	434,734
WW 21	WW Pump	Lift Station No. 63 Pump Replacement	9,988	-	9,988
WW 22	WW Pump	Lift Station No. 6 and 108 Improvements	554,120	-	554,120
WW 23	WW Pump	Lift Station No. 8 and 41 Rehabilitation	286,181	-	286,181
WW 24	WW Pump	Lift Station No. 130 Fence Replacement	39,382	-	39,382
WW 25	WW Pump	LS 45 Relocation Project - construction contract	582,840	-	582,840
WW 26	WW Pump	Lift Station General Pump Replacements	71,000	-	71,000
WW 27	WW Pump	Lift Station No. 44 Rehabilitation	-	550,000	550,000
WW 28	WW Pump	Lift Station No. 63 MCC Building Replacement	-	400,000	400,000
WW 29	WW Pump	Lift Station No. 68 Rehabilitation	-	555,000	555,000
WW 30	WW Pump	Lift Station No. 69 Rehabilitation	-	480,000	480,000
WW 31	WW Pump	Lift Station No. 72 Replacement	-	635,000	635,000
WW 32	WW Pump	Lift Station No. 95 Rehabilitation	-	535,000	535,000
WW 33	WW Pump	Lift Station Systemwide Fence Replacements	150,000	-	150,000
WW 34	WW Pump	Lift Station No. 9 Pump Replacement	83,000	-	83,000
WW 35	WW Pump	Lift Station No. 10 Rehabilitation	195,000	455,000	650,000
WW 36	WW Pump	Lift Station No. 11 Rehabilitation	195,000	455,000	650,000
WW 37	WW Pump	Lift Station No. 12 Rehabilitation	-	560,000	560,000
WW 38	WW Pump	Lift Station No. 13 Rehabilitation	-	500,000	500,000
WW 39	WW Pump	Lift Station No. 15 Turbulance Reduction	30,000	100,000	130,000

Note:

*Denotes routine projects or projects that reoccur annually. All other non-noted projects are considered non-routine or are a one-time occurrence.

CAPITAL BUDGET SUMMARY
Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued

PROJ. REF.	UTILITY FUNCTION	DESCRIPTION	FISCAL YEAR 2018	FISCAL YEARS 2019 - 2022	FIVE-YEAR TOTAL
WW 40	WW Pump	Lift Station No. 17 Rehabilitation	-	500,000	500,000
WW 41	WW Pump	Lift Station No. 23 Rehabilitation	-	535,000	535,000
WW 42	WW Pump	Lift Station No. 28 Rehabilitation	100,000	435,000	535,000
WW 43	WW Pump	Lift Station No. 43 Rehabilitation	160,500	374,500	535,000
WW 44	WW Pump	Lift Station No. 47 Rehabilitation	160,500	374,500	535,000
WW 45	WW Pump	Lift Station No. 51 Rehabilitation	160,500	374,500	535,000
WW 46	WW Pump	Lift Station No. 53 Rehabilitation	-	535,000	535,000
WW 47	WW Pump	Lift Station No. 58 Rehabilitation	160,500	374,500	535,000
WW 48	WW Pump	Lift Station No. 63 Pump Replacement	80,000	-	80,000
WW 49	WW Pump	Lift Station No. 65 Pump Replacement	62,000	-	62,000
WW 50	WW Pump	Lift Station No. 67 Rehabilitation	100,000	435,000	535,000
WW 51	WW Pump	Lift Station No. 77 Rehabilitation	-	535,000	535,000
WW 52	WW Pump	Lift Station No. 80 Rehabilitation	100,000	435,000	535,000
WW 53	WW Pump	Lift Station No. 82 Rehabilitation	-	540,000	540,000
WW 54	WW Pump	Lift Station No. 85 Rehabilitation	-	535,000	535,000
WW 55	WW Pump	Lift Station No. 89 Rehabilitation	100,000	415,000	515,000
WW 56	WW Pump	Lift Station No. 96 Decommission and Wastewater Line Installation	100,000	400,000	500,000
WW 57	WW Pump	Lift Station No. 99 Rehabilitation	100,000	435,000	535,000
WW 58	WW Pump	Lift Station No. 101 Rehabilitation	100,000	435,000	535,000
WW 59	WW Pump	Lift Station No. 102 Rehabilitation	-	635,000	635,000
WW 60	WW Pump	Lift Station No. 103 Decommission and Wastewater Line Installation	-	500,000	500,000
WW 61	WW Pump	Lift Station No. 105 Rehabilitation	100,000	435,000	535,000
WW 62	WW Pump	Lift Station No. 106 Rehabilitation	100,000	435,000	535,000
WW 63	WW Pump	Lift Station No. 106 Turbulence Reduction	30,000	70,000	100,000
WW 64	WW Pump	Lift Station No. 113 Rehabilitation	-	540,000	540,000
WW 65	WW Pump	Lift Station No. 159 MCC Building Replacement	100,000	280,000	380,000
WW 66	WW Pump	SWWTP Parking Lot Addition	30,000	-	30,000
WW 67	WW Pump	South to North Wastewater Reroutes - Lift Station No. 4 Force Main	-	1,400,000	1,400,000
WW 68	WW Pump	South to North Wastewater Reroutes - Lift Station No. 9 Upgrade and Valve Reconfiguration	-	690,000	690,000
WW 69	WW Pump	South to North Wastewater Reroutes - Lift Station No. 20, 22, and 27 Valve Reconfigurations	-	240,000	240,000
WW 70	WW Pump	South to North Wastewater Reroutes - Lift Station No. 33 and Force Main Upgrade	-	2,950,000	2,950,000
Total for Dept 3230			4,475,245	21,068,000	25,543,245
DEPARTMENT 3310 - WATER & WASTEWATER ENGINEERING					
WW 77	WW Coll	Estimated carryover project amount	58,109	-	58,109
WW 76	WW Coll	FM 511-802 Colonia Wastewater Improvements Project	68,080	-	68,080
WW 78	WW Coll	Ringgold Street - COB and Utility Improvements	53,933	-	53,933
WW 79	WW Coll	Las Palmas first time sewer collection project	470,658	-	470,658
WW 80	WW Coll	North Street Paving and Drainage Improvements	248,697	-	248,697
WW 81	WW Coll	Gazelle Street - Paving and Drainage Improvements	259,740	-	259,740
WW 82	WW Coll	Vapor Phase Odor Control Design, Bidding and Construction Services (8 lift stations)	2,550,000	-	2,550,000
WW 83	WW Pump	Old Port Isabel Road 20" Forcemain Rehabilitation Project	338,805	2,410,152	2,748,957
WW 85	WW Coll	North Regional Lift Stations and Force Main System - Phase 2	-	6,377,190	6,377,190
WW 86	WW Coll	Lift Station Upgrades - Project 51 A	-	2,959,000	2,959,000
WW 87	WW Coll	Lift Station Upgrades - Project 51 B	-	2,600,000	2,600,000
Total for Dept 3310			4,048,022	14,346,342	18,394,364

CAPITAL BUDGET SUMMARY
Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued

PROJ. REF.	UTILITY FUNCTION	DESCRIPTION	FISCAL YEAR 2018	FISCAL YEARS 2019 - 2022	FIVE-YEAR TOTAL
ESTIMATED OVERALL TOTAL - WASTEWATER			\$ 9,914,793	\$ 37,214,342	\$ 47,129,135
ESTIMATED PROJECT TOTAL			18,548,036	74,840,906	93,388,942
ESTIMATED CAPITAL EQUIPMENT TOTAL			-	-	-
COMMERCIAL PAPER FUNDING BUDGET - INTERNAL:			\$ 18,548,036	\$ 74,840,906	\$ 93,388,942
DEPARTMENT 1110 - GENERAL MANAGER					
G 2	Facilities	A new Service Center (FM 511)	-	12,500,000	12,500,000
G 1	Facilities	An Annex Administration Building and Remodeling of the existing Administration Building	500,000	25,500,000	26,000,000
Total for Dept 1110			500,000	38,000,000	38,500,000
COMMERCIAL PAPER FUNDING BUDGETS - FACILITIES TOTAL			\$ 500,000	\$ 38,000,000	\$ 38,500,000
TENASKA BROWNSVILLE GENERATION STATION PROJECTS					
DEPARTMENT 2410 - ELECTRIC ENGINEERING					
E 27	Elec Trans	345KV Transmission Line from Tenaska to Loma Alta Substation (Construction Phase)	-	18,250,000	18,250,000
Total for Dept 2410			-	18,250,000	18,250,000
WASTEWATER PROJECTS					
DEPARTMENT 4310 - OPERATIONAL SUPPORT SERVICES					
WW 89	WW Coll	Proposed Wastewater Effluent Reuse Line - Engineering and Feasibility Services (Construction Phase)	-	7,500,000	7,500,000
WW 90	WW Coll	Proposed Industrial Wastewater Transportation Service - Engineering and Feasibility Services (Construction Phase)	-	4,250,000	4,250,000
Total for Dept 4310			-	11,750,000	11,750,000
COMMERCIAL PAPER FUNDING BUDGET- TENASKA TOTAL			\$ -	\$ 30,000,000	\$ 30,000,000
TOTAL COMMERCIAL PAPER FUNDING BUDGETS:			\$ 19,048,036	\$142,840,906	\$161,888,942

CAPITAL BUDGET SUMMARY
Grants Proceeds Projects (Fund 200)

PROJ. REF.	UTILITY FUNCTION	DESCRIPTION	FISCAL YEAR 2018	FISCAL YEARS 2019 - 2022	FIVE-YEAR TOTAL
WASTEWATER PROJECTS					
DEPARTMENT 3310 - WATER & WASTEWATER ENGINEERING					
WW 88	WW Coll	BECC/NADBANK Home Connections in FM511/802 Colonias Project Area	\$ 3,693,935	\$ -	\$ 3,693,935
Total for Dept 3310			3,693,935	-	3,693,935
ESTIMATED PROJECT TOTAL - WASTEWATER			\$ 3,693,935	\$ -	\$ 3,693,935
OVERALL TOTAL GRANTS BUDGET:			\$ 3,693,935	\$ -	\$ 3,693,935

**Summary Expenditure Report
For All Carryover Projects – FY 2017
Improvement Fund (Fund 400)**

	<u>FY 2017 BEGINNING BALANCE</u>	<u>FY 2017 ENDING BALANCE</u>	<u>DEFERRED BUDGET</u>
GENERAL & ADMINISTRATIVE	\$ 2,795,938	\$ 1,334,425	\$ -
ELECTRIC (less Tenaska)	11,948,050	6,545,814	321,085
WATER (less grant-funded projects)	1,718,432	581,303	-
WASTEWATER (less Tenaska & grants)	971,205	251,500	389,934
CARRYOVER WORK ORDER BUDGET TOTAL	\$ 17,433,624	\$ 8,713,043	\$ 711,019
APPROVED CARRYOVER WORK ORDER BUDGET TOTAL:			\$ 9,424,062
VALLEY CROSSING PIPELINE INTERCONNECT GENERATING STATION (EG3848)	225,000 220,211	- -	- -
GAS TRANSMISSION LINE (EG3849)	-	-	-
CROSS VALLEY NATURAL GAS PIPELINE 345KV TRANSMISSION LINE (ET3886)	4,342,324 140,197	4,090,608 94,660	- -
WASTEWATER EFFLUENT REUSE LINE INDUSTRIAL WASTEWATER	1,461,363 259,868	1,291,657 246,341	- -
CARRYOVER TENASKA PROJECTS TOTAL -	\$ 6,648,964	\$ 5,723,266	\$ -
APPROVED CARRYOVER TENASKA PROJECTS - LOCAL CONTRIBUTIONS TOTAL:			\$ 5,723,266
WATER (CDAM)	-	-	-
WASTEWATER (SC9265-6, SC9272)	782,156	444,720	-
CARRYOVER GRANT PROJECTS TOTAL -	\$ 782,156	\$ 444,720	\$ -
APPROVED CARRYOVER GRANT PROJECTS - LOCAL CONTRIBUTIONS TOTAL:			\$ 444,720
NET CHANGES:			\$ 2,241,212
APPROVED CARRYOVER CAPITAL PROJECT BUDGET TOTAL:			\$ 17,833,260
APPROVED CAPITAL EQUIPMENT BUDGET TOTAL:			7,583,537
APPROVED FISCAL YEAR 2018 IMPROVEMENT FUNDING:			11,710,402
APPROVED IMPROVEMENT FUND - CIP FUNDING TOTAL:			\$ 37,127,199

Capital Project Listing – FY 2017
For All Carryover General & Administrative Utility Projects
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2017 BEGINNING BALANCE	FY 2017 ENDING BALANCE	DEFERRED FY 2018+ BUDGET
10/14/16	80575	GA1016	ADMINISTRATION BUILDING REMODELING DESIGN PHASE	\$ 134,605	\$ 134,605	\$ -
10/13/16	80817	GA1018	WIRELESS ACCESS POINTS FOR THE ENTERPRISE SYSTEM	20,000	3,641	-
10/14/16	80826	GA1019	IRONPORT APPLIANCES FOR E-MAIL SYSTEM	48,000	2,469	-
12/01/16	83297	GA1027	ENTERPRISE CISCO SWITCH FOR POWER PLANT	90,000	-	-
12/20/16	84662	GA1036	SERVER STORAGE PROJECT POWERSHIELD CHASSIS, SSD DISKS AND EMC STORAGE	100,000	46,644	-
04/21/17	91247	GA1059	ARCMail APPLIANCE AND EMAIL ARCHIVE TO ASSIST IN EMAIL REDUNDANCY AND ARCHIVING	50,000	4,898	-
04/21/17	91252	GA1060	ENTERPRISE BACKUP APPLIANCE ADDITIONAL STORAGE FOR ENTERPRISE BACKUP APPLIANCES	60,000	60,000	-
12/17/10 amended	15858	GA3553	CUSTOMER SERVICE PAYMENT KIOSKS	82,226	82,226	-
10/15/13	41594	GA3883	WI-FI IN BPUB BUILDINGS	2,086	1,108	-
06/15/17 amended	43657	GA3892	CIS/CAYENTA UPGRADE	20,411	10,760	-
03/25/14	45931	GA3901	MOBILE TIME ENTRY FOR THE MOBILE WORK FORCE	77,495	48,005	-
06/25/15 amended	47355	GA3903	PROPOSED PARKING LOT OFF OF RAILROAD TRACKS 2018 STRATEGIC PLAN ISSUE 1	-	-	-
08/07/14	50320	GA3920	SECURITY CAMERAS FOR ADMINISTRATION BUILDING MAIN LOBBY, CUSTOMER SERVICES LOBBY, DRIVE UP LANES AND IMMEDIATE SURROUNDING AREAS	130,000	-	-
02/06/15	57084	GA3941	ARCHIVE AND APPLICATION FOR E-MAIL ENTERPRISE ARCMail APPLIANCE (E-MAIL LOG)	50,000	5,745	-
10/14/16	80540	GA3965	ADMINISTRATION BUILDING ANNEX - DESIGN PHASE	1,183,352	797,038	-
11/14/16 amended	68332	GA3966	FM 511 FACILITIES RELOCATION PROJECT - DESIGN PHASE AND LAND PURCHASE	738,031	135,756	-
12/02/15	67115	GA3970	MOBILE MINI CONTAINER FOR CAR WASH AREA	-	-	-
02/16/16	69428	GA3982	WIRELESS CONTROLLER - WI-FI	9,732	1,530	-
N/A	N/A	N/A	FUELMaster AIM UPGRADES	-	-	-
CARRYOVER GENERAL & ADMINISTRATIVE PROJECT TOTAL				\$ 2,795,938	\$ 1,334,425	\$ -
NET BUDGET CHANGES						2,731,622
APPROVED CARRYOVER UTILITY PROJECT TOTAL						\$ <u>4,066,047</u>

**Capital Project Listing – FY 2017
For All Carryover Electric Utility Projects
Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2017 BEGINNING BALANCE	FY 2017 ENDING BALANCE	DEFERRED FY 2018+ BUDGET
01/10/13	34764	ED2879	1355 FM 511 NORTH BROWNSVILLE KICKBALL FACILITY	1,027	1,027	-
03/29/16	71466	FD2014	1000 CAPTAIN DONALD FOUST RD AT THE PORT OF BROWNSVILLE	180,436	114,707	-
11/28/16	83093	FD2032	3219 CALLE COLUMBIA BY RESACA ACCESS	7,491	7,491	-
01/20/17	86374	FD2034	3506 SOUTHMOST BLVD	691	-	-
03/14/17	89374	FD2040	3503 BOCA CHICA BLVD	878	-	-
03/24/17	89879	FD2041	1165 RUBEN M TORRES BLVD	656	-	-
03/29/17	90003	FD2042	1635 RINGGOLD ST	593	151	-
02/09/17	87702	FD2045	1730 RINGGOLD ST (ALLEY)	625	106	-
02/10/17	87774	FD2047	1144 TAYLOR ST (ALLEY)	981	323	-
05/10/17	92125	FD2049	2339 SAN LORENZO ST	120	-	-
05/18/17	92585	FD2050	8426 NEVADA AVE	139	-	-
06/05/17	93281	FD2051	2435 SOUTHMOST BLVD	1,055	471	-
07/05/17	94913	FD2052	1419 E TYLER ST	722	515	-
07/31/17	96340	FD2053	1405 BOCA CHICA BLVD	602	602	-
06/08/17	93507	FD2054	404 E WASHINGTON ST	1,918	1,713	-
08/15/17	97199	FD2055	175 RUBEN M TORRES BLVD	602	602	-
08/07/17	96525	FD2056	2714 ROSALEE AVE	670	670	-
08/21/17	97491	FD2057	434 N CLUBHOUSE RD	940	695	-
08/21/17	97495	FD2058	1055 MILITARY HWY	602	602	-
08/21/17	97518	FD2059	3201 CENTRAL BLVD	730	730	-
08/28/17	97820	FD2060	58 MCLELLAND BLVD	539	539	-
09/01/17	98101	FD2061	1705 EXP 77 N FRONTAGE RD	673	464	-
CARRYOVER SECURITY LIGHT PROJECT TOTAL				\$ 202,688	\$ 131,407	\$ -
09/07/16	78526 amended	EA1007	WATERPORT SUBSTATION FENCE PROJECT	36,878	24,958	-
07/29/16	77161	EA1030	MARKET SQUARE FIBER OPTIC OH-UG CONVERSION	14,543	-	-
04/21/17	85044 amended	EA1048	543 E 11TH STREET - FIBER OPTIC REPLACEMENT AT BROWNSVILLE PERFORMING ARTS ACADEMY	9,716	-	-
12/28/16	85174					
05/09/17	92000	EA1057	SCADA ANTENNA - GENERATOR ANCHORS OFF OF SRWA MAIN BUILDING, GROVE PARK RD AND INTERSECTION OF REGO RD AND BARREDA GARDEN RD	4,965	-	-

Capital Project Listing – FY 2017
For All Carryover Electric Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2017 BEGINNING BALANCE	FY 2017 ENDING BALANCE	DEFERRED FY 2018+ BUDGET
06/01/17	93188	EA1061	6035 JAIME J ZAPATA AVE - FIBER OPTIC REPLACEMENT AND TERMINATIONS AT PUBLIC WORKS	1,777	857	-
08/01/17	96449	EA1064	SCADA REMOTE TERMINAL UNIT SYSTEM UPGRADE/REPLACEMENTS FOR ALL SUBSTATIONS	718,343	718,343	-
08/08/17	96724	EA1065	SUBSTATION SCADA MULTIPLEXER UPGRADE	305,023	305,023	-
03/09/15	58436	EA3947	FIBER OPTIC INSTALLATION ON ALTON GLOOR BLVD BETWEEN US 77 AND PABLO KISEL BLVD	6,287	-	-
06/25/15	62152	EA3977	FIBER OPTIC EXTENSION FROM 6TH STREET TO THE SPORTS PARK DOME	3,147	-	-
CARRYOVER ADMINISTRATION CONSTRUCTION PROJECT TOTAL:				\$ 1,100,679	\$ 1,049,181	\$ -
08/03/16	77335	ED1005	RINGGOLD ROAD - WOODEN POLES	14,677	-	-
07/15/16	76504	ED1006	1000 CAPTAIN DONALD FOUST RD OH TO URD CONVERSION	105,169	86,237	-
09/29/16	79963	ED1017	BROWNSVILLE COUNTRY CLUB ELECTRIC CABLE/CONDUIT INSTALLATION	2,422,574	1,387,505	321,085
12/15/15	67322	ED1024	20000 STATE HWY 48 AMFELS OH TO URD CONVERSION	192,744	191,488	-
10/04/16	80134	ED1026	9155 R.L. OSTOS - BIG GRAIN ELEVATOR	1,464	-	-
11/07/16	82109	ED1035	FEEDER UTILITY POLE REPLACEMENT OFF OF BOCA CHICA AND OTHER LOCATIONS THROUGHOUT THE CITY OF BROWNSVILLE	49,519	49,519	-
01/20/17	86338	ED1040	POWER TRANSFORMERS RADIATORS REPLACEMENT AT PRICE SUBSTATION AND FM 802 SUBSTATION	80,649	45,709	-
03/06/17	88924	ED1046	100 E ALTON GLOOR BLVD TRANSFER SWITCH AT VRMC	78,936	544	-
07/01/16	75942	ED1049	1 EVENT CENTER - CONCRETE POLES AND LIGHTING FIXTURES AT BROWNSVILLE EVENT CENTER	382,345	382,345	-
02/24/17	88543	ED1050	FM 802 AND CARMEN ROAD OFF OF US MILITARY HWY 281	1,909	-	-
04/10/17	90719	ED1053	DOWNTOWN AREA - STEEL POLE REPLACEMENTS ON W ELIZABETH ST, E ELIZABETH ST, E SAINT CHARLES ST, E LEVEE ST, E WASHINGTON ST AND E ADAMS ST	19,765	-	-
04/28/17	91551	ED1054	1 TED HUNT DR	9,462	9,462	-
11/17/16	82695	ED1055	40881 STATE HIGHWAY 48 - CONNECTION TO PROPOSED VALLEY CROSSING PIPELINE COMPRESSION STATION	172,760	112,585	-
02/08/17	87561	ED1056	CHARGER LN AND FM 281 RELOCATE AND REPLACE POLES DUE TO TXDOT ROW EXPANSION	23,822	-	-

Capital Project Listing – FY 2017
For All Carryover Electric Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2017 BEGINNING BALANCE	FY 2017 ENDING BALANCE	DEFERRED FY 2018+ BUDGET
08/16/17	97217	ED1067	POLE REPLACEMENTS OFF OF PARRAL ST WOOD AVE AND W BROADWAY ST	13,861	13,861	-
08/16/17	97220	ED1069	POLE REPLACEMENTS AT POWER PLANT FEEDER OFF OF W LEVEE ST, E 2ND STREET & E 14TH STREET	16,672	16,672	-
09/06/17	98278	ED1073	2EA RELAY REPLACEMENTS FOR PRICE RD SUBSTATION (1201 E 6TH STREET)	46,701	46,701	-
01/27/09	20748	ED3622	HWY 281 PRIMARY LINE EXTENSION FROM ALTON GLOOR TO CARMEN AVE FOR HIGH SCHOOL #6	-	-	-
03/10/09	21021 amended	ED3629	FM 803 & US HWY 281 FEEDER	-	-	-
05/31/12	32058	ED3822	UNIVERSITY DRIVE LIGHT POLES	134,064	134,064	-
07/17/12	32532	ED3828	POLE CHANGEOUTS RELEASE 53 ON N EXPWY 77, AVENIDA DEL SOL, OLD HWY 77, E PRICE RD, W PRICE RD, BARNARD RD, RUBEN M TORRES BLVD, AND OTHER AREAS	-	-	-
10/03/12	33343	ED3839	RESTORATION OF POLES AT THE FOLLOWING COB PARKS: BROWNSVILLE EVENTS CENTER, BROWNSVILLE TENNIS CENTER, NORTH PARK, BROWNSVILLE GOLF CENTER, ST CHARLES PARK & HOPE PARK	32,971	32,971	-
02/24/15	34374 amended	ED3841	RIVER PUMPS 1 & 2 MOTOR CONTROLS REPLACEMENT AT 127 POWER PLANT DR; INCLUDES MEDIUM VOLTAGE SWITCHGEAR	103,247	103,247	-
12/03/12	34113	ED3859	WATER WELLS GENERATOR ON FM 1421 - SRWA	-	-	-
05/09/13	37032	ED3863	PALO ALTO FEEDER RECLOSERS OFF OF N FRONTAGE / E ALTON GLOOR BLVD; S FRONTAGE RD NEAR MERRYMAN RD; AND W ALTON GLOOR BLVD NEAR MADRID AVE	-	-	-
05/16/13	37298	ED3873	POLE RELEASE 70 ON ROSALEE AVE, CEDAR ST, E PRICE RD, BOCA CHICA BLVD, E 27TH ST, HARDING ST, JENNIFER AVE, SANDIA ST, LA VILLITA ST, MANZANO ST, E LOVELL CT, MORA RD, ACACIA LAKE, MCKENZIE RD AND INTERSECTION OF BOCA CHICA BLVD & S CENTRAL AVE	-	-	-
07/01/14	49093	ED3914	GUARD SHACK FIBER OPTIC EXTENSION AT POWER PLANT AND OFF OF ROBERTO VARGAS DR	3,412	3,412	-
04/28/14	47025	ED3931	NEW FEEDER FROM FM 802 SUBSTATION OFF OF S SAN MARCELO AND RUBEN M TORRES BLVD	133,745	133,745	-
07/09/14	49323	ED3932	FM 3248 & NORTH FRONTAGE RD (TXDOT)	-	-	-
02/12/15	57379	ED3958	LAND O'LAKES SUBDIVISION UNDERGROUND PRIMARY REPLACEMENT	14,021	14,021	-

Capital Project Listing – FY 2017
For All Carryover Electric Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2017 BEGINNING BALANCE	FY 2017 ENDING BALANCE	DEFERRED FY 2018+ BUDGET
03/09/16	70511	ED3980	ONE WEST UNIVERSITY BLVD (UTRGV)	-	-	-
02/16/17	39991 amended	ED3981	DOWNTOWN MARKET SQUARE	1,011,118	103,132	-
04/28/16	73169	ED3995	SRWA WATER WELL SITE GENERATORS WITH AUTOMATIC TRANSFER SWITCHES	81,325	-	-
01/19/17	N/A	N/A	ONE 15/20/25/28 MVA POWER TRANSFORMER FOR SUBSTATION	423,693	-	-
CARRYOVER DISTRIBUTION CONSTRUCTION PROJECT TOTAL:				\$ 5,570,627	\$ 2,867,223	\$ 321,085
01/23/17	86555	EG1031	VALLEY CROSSING PIPELINE INTERCONNECT	225,000	-	-
08/04/17	96620	EG1068	UNIT 10 COOLING TOWER REPLACEMENT	22,250	22,250	-
N/A	N/A	EG3047	OKLAUNION CAPITAL IMPROVEMENTS	2,008,811	1,487,142	-
N/A	N/A	EG3158	HIDALGO POWER PLANT IMPROVEMENTS	250,000	147,385	-
10/23/13	34908 amended	EG3848	TENASKA BROWNSVILLE GENERATING STATION 200 MW OWNERSHIP INTEREST; LOCATED NORTH OF FM 511 AT OLD ALICE ROAD	220,211	-	-
03/16/15	35342 amended	EG3849	GAS TRANSMISSION LINE TO TENASKA BROWNSVILLE GENERATING STATION	-	-	-
09/26/14	44869	EG3926	CROSS VALLEY NATURAL GAS PIPELINE	4,342,324	4,090,608	-
CARRYOVER GENERATION CONSTRUCTION PROJECT TOTAL:				\$ 7,068,596	\$ 5,747,385	\$ -
06/04/13	37715	ET3868	314 W FRONTON STREET REAR	7,919	7,919	-
06/26/13	38321	ET3876	TRANS POLE RELEASE 73 FM 511, INTERSECTION OF FM 511 & HERON COVE, AND NEAR INTERSECTION OF CANTU & CHEMICAL RD	4,173	4,173	-
04/29/16	42001 amended	ET3886	345KV TRANSMISSION LINE FROM THE TENASKA BROWNSVILLE GENERATING STATION (FM 511 & OLD ALICE) TO THE LOMA ALTA SUBSTATION	140,197	94,660	-
CARRYOVER TRANSMISSION CONSTRUCTION PROJECT TOTAL:				\$ 152,289	\$ 106,753	\$ -
CARRYOVER CONSTRUCTION PROJECT TOTAL:				\$ 13,892,192	\$ 9,770,541	\$ 321,085
03/27/12	31421	FD4186	ITECC WIND PROJECT	918	918	-
04/03/13	36377	FD4288	674 N CENTRAL AVENUE	-	-	-
12/13/13	42920	FD4308	1100 RUBEN M TORRES BLVD US MARSHAL SERVICE	-	-	-
12/20/13	43132	FD4312	684 CALDER LANE	-	-	-
03/25/14	45897	FD4326	5101 ALTON GLOOR BLVD PLAZA VISTA	937	937	-

Capital Project Listing – FY 2017
For All Carryover Electric Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2017 BEGINNING BALANCE	FY 2017 ENDING BALANCE	DEFERRED FY 2018+ BUDGET
12/10/13	42819	FD4339	15801 RL OSTOS RD DEEP SOUTH TEXAS NEW FACILITY	-	-	-
09/24/14	51945	FD4352	929 MEXICO BLVD - CAR LOT	-	-	-
10/30/14	53350	FD4357	3 ALBERTA DRIVE	-	-	-
12/10/14	54889	FD4362	3595 RUBEN M TORRES BLVD	626	626	-
01/05/15	55718	FD4374	COB PARKING GARAGE FIBER OPTIC EXTENSION ALONG INTERNATIONAL BLVD	-	-	-
02/25/15	58024	FD4378	2121 INTERNATIONAL BLVD	94	94	-
02/12/15	57409	FD4381	1704 COFFEE ROAD	-	-	-
04/24/15	60131	FD4387	2300 COURAGE ST PARKING TERMINAL	-	-	-
12/04/14	54683	FD4395	OLD PORT ISABEL RD & LAS PALMAS CIR LAS PALMAS TOWNHOMES	-	-	-
06/17/15	61921	FD4396	2550 WESLACO RD MONTELEONE CONDOMINIUMS	-	-	-
06/12/15	61733	FD4400	2719 BOCA CHICA BLVD	1,798	1,798	-
02/02/15	56847	FD4402	123 OLD PORT ISABEL RD COMMERCIAL PLAZA	-	-	-
07/23/15	63291	FD4405	21301 R.L. OSTOS FORTUNE FERROUS INC	-	-	-
08/11/15	63803	FD4420	1655 E RUBEN M TORRES BLVD	-	-	-
09/18/15	65208	FD4422	44 WESTERN BLVD	1,892	1,892	-
09/29/15	65527	FD4428	1401 YARD ROAD	4,773	4,773	-
11/04/15	66504	FD4434	2436 PABLO KISEL BLVD STAPLES	1,611	1,611	-
07/02/15	62460	FD4435	2155 E RUBEN TORRES BLVD 802 PLAZA	8,842	2,566	-
10/16/15	65933	FD4440	DOCK 15 OFF OF R.L. OSTOS RD	2,960	2,960	-
01/13/16	68084	FD4443	8155 PADRE ISLAND HWY	842	842	-
03/02/15	58149	FD4460	4157 N EXPREWAY 77/83 POLLO PALENQUE	14,188	11,643	-
04/29/16	72396 amended	FD4466	1910 ANEI CIRCLE	-	-	-
02/19/16	69578	FD4470	912 WILD ROSE LANE APARTMENT COMPLEX	-	-	-
06/28/16	75662	FD4478	2940 BOCA CHICA BLVD TRAMPOLINE PARK	-	-	-
07/15/16	76501	FD4487	704 PAREDES LINE RD MEDICAL PLAZA	-	-	-
06/15/16	75302 amended	FD4488	3010 JCS INDUSTRIAL DR	12,152	992	-

Capital Project Listing – FY 2017
For All Carryover Electric Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2017 BEGINNING BALANCE	FY 2017 ENDING BALANCE	DEFERRED FY 2018+ BUDGET
04/18/16	72548	FD4490	1500 N EXPRESSWAY CARDENAS MOTORS	8,570	-	-
09/26/16	78346 amended	FD4491	1910 ANEI CIRCLE	32,675	-	-
N/A	N/A	ED9001	NEW CONNECTIONS - ELECTRIC	250,502	-	-
06/14/16	75206	FD4494	747 SPRINGMART BLVD	19,093	-	-
11/04/16	82044	FD4495	105 AVENIDA DEL PALACIO	1,214	-	-
11/09/16	82280	FD4496	2400 BOCA CHICA BLVD	2,639	1,266	-
10/31/16	81750	FD4497	1965 OLD PORT ISABEL RD	4,634	-	-
05/18/16	74082	FD4500	2304 HUDSON BLVD OCOTILLO PLAZA	19,093	1,442	-
12/02/16	83380	FD4502	5 AVALON DRIVE	5,745	-	-
11/21/17	82882	FD4504	1949 OLD PORT ISABEL RD ROXY TOWNHOUSES	22,145	11,148	-
11/23/16	83036	FD4505	1205 E RINGGOLD ST	2,370	-	-
01/03/17	85219	FD4506	120 GALONSKY ST	4,483	3,656	-
01/09/17	85701	FD4507	700 E MADISON ST WASHINGTON PARK	2,796	-	-
01/19/17	86285	FD4509	315 PAREDES LINE RD	5,583	904	-
11/29/16	83141	FD4512	2656 W ALTON GLOOR BLVD F&F PARTY PLACE	11,138	6,293	-
01/20/17	86340	FD4515	704 PAREDES LINE RD - PHASE 2	24,790	12,278	-
02/22/17	87475	FD4516	445 PALO VERDE DR	4,946	2,642	-
02/23/17	88444	FD4517	14 WESTERN BLVD	3,964	-	-
03/07/17	89035	FD4518	1401 E WASHINGTON ST	461	-	-
03/13/17	89311	FD4519	635 BILLY MITCHELL BLVD	10,593	2,694	-
02/10/17	87753	FD4520	712 W ELIZABETH STREET VILLA MARIA SUITES	4,885	-	-
01/26/17	86806	FD4523	1850 VETERANS BLVD VERIZON CELL TOWER	4,169	-	-
03/10/17	89230	FD4524	2406 THOR'S HAMMER BLVD	13,394	1,202	-

Capital Project Listing – FY 2017
For All Carryover Electric Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2017 BEGINNING BALANCE	FY 2017 ENDING BALANCE	DEFERRED FY 2018+ BUDGET
07/07/17	87939 amended	FD4525	1145 E ALTON GLOOR BLVD	9,518	-	-
12/05/16	83511	FD4526	2525 W ALTON GLOOR BLVD (FM 3248) MONTE BELLA TRAILS PARK - NEW RESTROOMS AND PARKING LOT	5,563	-	-
05/16/17	90092 amended	FD4527	1024 PAREDES LINE RD - NEW RESTROOMS FOR PALO ALTO BATTLEFIELD NATIONAL HISTORICAL PARK	1,525	-	-
05/03/17	91750	FD4528	2805 TULIPAN ST	2,257	-	-
12/06/16	83643	FD4530	1725 E RUBEN TORRES DOLLAR TREE PLAZA	13,085	-	-
05/01/17	91612	FD4531	3965 OLD HIGHWAY 77 8 TOWNHOMES	9,218	2,577	-
05/02/17	91662	FD4532	2644 OLD PORT ISABEL RD CALI TOWNHOMES PHASE II	24,542	-	-
05/15/17	92294	FD4533	1915 RINGGOLD ST	1,784	-	-
05/16/17	92288	FD4534	1344 E 8TH STREET	2,096	1,615	-
05/19/17	92607	FD4535	7015 PADRE ISLAND HWY MEAT MARKET DEL VALLE	3,260	-	-
05/18/17	92538	FD4536	29 SYBIL DR	476	-	-
06/02/17	93225	FD4537	270 MEXICO BLVD	19,019	-	-
01/24/17	86706	FD4538	3777 EXPRESSWAY 77 OFF OF SOUTH FRONTAGE RD	15,626	15,626	-
06/07/17	93443	FD4539	328 LORENALY DR	17,459	4,117	-
05/25/17	92877	FD4540	2645 BARNARD RD	8,592	-	-
09/01/17	89796 amended	FD4541	514 WILDROSE LANE BARSE APARTMENTS PHASE 2	33,995	9,605	-
06/16/17	93943	FD4542	834 E TYLER ST	2,241	275	-
06/20/17	94048	FD4543	2650 FJRM AVENUE	1,876	-	-
02/06/17	87367	FD4544	4207 LAS PALMAS CIR	9,719	741	-
05/26/17	92943	FD4545	1931 ANEI CIR	6,286	-	-
06/15/17	93928	FD4546	84 CALLE JACARANDA	903	-	-
08/07/17	96663	FD4548	213 HEART DRIVE	10,310	10,310	-
04/25/17	91420	FD4549	995 W RUBEN TORRES BLVD WESTGATE PLAZA	24,369	24,369	-

Capital Project Listing – FY 2017
For All Carryover Electric Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2017 BEGINNING BALANCE	FY 2017 ENDING BALANCE	DEFERRED FY 2018+ BUDGET
08/15/17	97109	FD4550	4124 LAKEVIEW DR	2,719	2,719	-
08/04/17	96578	FD4551	4216 JAIME J ZAPATA AVE	3,865	3,865	-
09/21/17	95328 amended	FD4552	600 RIVERSIDE BLVD	5,453	1,488	-
08/23/17	97667	FD4553	449 E ALTON GLOOR BLVD	28,374	28,074	-
08/29/17	97876	FD4554	2000 ROOSEVELT ST FAULK MIDDLE SCHOOL	4,126	159	-
09/01/17	98100	FD4555	111 FLEETWOOD DRIVE	1,014	1,014	-
08/18/17	97423	FD4556	222 EXPRESSWAY 77 NORTH FRONTAGE RD	21,184	21,184	-
CARRYOVER NEW CONNECTION PROJECT TOTAL				\$ 801,969	\$ 202,914	\$ -
03/16/16	70844	ED5402	3777 N EXPRESSWAY 77/83 LAS PALMAS DEVELOPMENT	106,658	78,906	-
09/09/16	78905	ED5407	6008 DANUBIO CT TOWNHOMES	17,917	12,760	-
04/14/16	72388	ED5408	2675 E PRICE RD PLAZA EL CARIBE	42,157	35,931	-
11/30/16	83284	ED5409	LAGO VISTA SUBDIVISION, SEC 2, PH 2 ALONG LAGO VISTA BLVD	22,673	-	-
02/16/17	88177	ED5412	SANTANDER SUBDIVISION PHASE II	114,542	40,024	-
09/08/17	88280 amended	ED5413	E 14TH STREET AND BOCA CHICA BLVD PENINSULA APARTMENTS	64,064	63,636	-
06/07/17	93423	ED5414	SIMMON'S POINT SUBDIVISION OFF OF OSBORNE AVENUE	136,571	136,571	-
08/04/17	96622	ED5415	CROSS COUNTRY TRAILS SECTION VII OFF OF ABILENE TRL AND DENNET RD	78,329	78,329	-
CARRYOVER SUBDIVISION PROJECT TOTAL				\$ 582,912	\$ 446,158	\$ -
04/25/13	36810	ED7615	SAM PERL BLVD	-	-	-
01/23/15	56368	ED7654	HUDSON BLVD - WALMART	967	967	-
01/28/15	56501	ED7659	PORT OF BROWNSVILLE LIGHTING PROJECT ON CAPTAIN DONALD FOUST ROAD, MILO ROAD, WINDHAUS ROAD, RL OSTOS ROAD, LIQUID CARGO DOCK ROAD AND OLD SH 48	-	-	-

Capital Project Listing – FY 2017
For All Carryover Electric Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2017 BEGINNING BALANCE	FY 2017 ENDING BALANCE	DEFERRED FY 2018+ BUDGET
06/11/15	61711	ED7671	4775 AUSTIN RD PORTWAY ACRES PARK	15,933	-	-
08/11/16	77695	ED7701	RUBEN M TORRES BLVD BETWEEN WESLACO RD AND OLD HWY 77	3,468	-	-
10/04/16	80148	ED7705	1114 TOYA LANE	1,459	180	-
10/25/16	81429	ED7710	FM 511 FROM CLARA BENNET ROAD TO NOBLE PINE DRIVE	4,847	-	-
11/18/16	82772	ED7711	641 E MADISON ST RAILROAD MUSEUM	5,322	-	-
11/22/16	82996	ED7712	HARVARD AVE - ALLEY LIGHTS	6,691	6,691	-
02/06/17	87455	ED7714	1200 LINCOLN ST	1,750	1,750	-
11/02/16	81907	ED7715	TULANE AVE	1,609	1,609	-
02/14/17	87948	ED7716	E ALTON GLOOR BLVD FROM STAGECOACH TRL TO LA CARRETA TRL	2,965	2,965	-
03/07/17	89037	ED7717	BOCA CHICA BLVD BETWEEN N CENTRAL AVE AND PEARL DR	2,124	2,124	-
03/08/17	89060	ED7718	BERTHA AVE BETWEEN E 29TH STREET AND E 30TH STREET	803	37	-
04/03/17	90372	ED7719	4500 PADRE ISLAND HWY	889	-	-
04/04/17	90427	ED7720	264 RUSSELL DR (DEADEND STREET)	609	609	-
04/05/17	90508	ED7721	146 W JACKSON ST	726	-	-
05/03/17	91730	ED7722	DOWNTOWN MARKET SQUARE PROJECT ALLEY LIGHTING	23,204	-	-
05/26/17	92956	ED7723	3435 E 25TH STREET	876	876	-
05/30/17	93016	ED7724	W ALTON GLOOR BLVD & EXPRESSWAY 77/83 THEN SOUTH ON W FRONTAGE RD	7,931	7,931	-
07/19/17	95707	ED7725	NORTH PARK OFF OF HUDSON BLVD AND QUITO DR	19,836	19,836	-
CARRYOVER STREET LIGHT PROJECT TOTAL				\$ 102,012	\$ 45,577	\$ -
01/13/10	23798	FD6261	3201 LIMA STREET METER CONSOLIDATION AT CASTANEDA ELEMENTARY	-	-	-
07/03/12	32403	FD6382	205 CALLE AMISTOSA #115	347	347	-

Capital Project Listing – FY 2017
For All Carryover Electric Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2017 BEGINNING BALANCE	FY 2017 ENDING BALANCE	DEFERRED FY 2018+ BUDGET
01/23/13	34986	FD6412	5304 FM 802	-	-	-
03/27/13	36267	FD6443	183 E COWAN TERRACE	2,121	2,121	-
07/17/14	49620	FD6514	POLE CHANGED OUTS - RELEASE 77 AT THE PORT OF BROWNSVILLE ON R.L. OSTOS RD	8,568	8,568	-
03/24/14	45869	FD6525	101 BOXCAR RD	19,297	5,281	-
11/14/14	53955	FD6526	20000 SH 48 1500 KVA XFMR AT AMFELS	17,285	17,128	-
02/12/15	57380	FD6529	1455 ROBINHOOD DR	1,612	1,612	-
01/29/15	56612	FD6553	6280 SOUTHMOST BLVD AIKEN ELEMENTARY SCHOOL	2,964	2,964	-
10/28/15	66288	FD6558	902 CHEMICAL RD TRANSMONTAIGNE	913	913	-
02/04/16	68930	FD6571	404 MILITARY HWY	3,872	-	-
02/18/16	69551	FD6576	1580 FISHERMAN'S PLACE RD ACROSS STREET	1,564	-	-
05/09/16	73666	FD6581	2865 SOUTHMOST BLVD	365	365	-
03/28/16	71353	FD6583	1401 YARD ROAD	5,455	5,455	-
05/10/16	73757	FD6584	1250 FM 802	130	-	-
06/07/16	74904	FD6588	9155 RL OSTOS RD	3,010	3,010	-
08/15/16	77811	FD6594	14301 R.L. OSTOS RD	15,909	-	-
08/29/16	78438	FD6597	227 CREEKBEND DR	573	573	-
N/A	N/A	ED6000	EMERGENCY TROUBLE CALL Activity for use when work order is not available at time of emergency.	947,031	-	-
10/24/16	81331	FD6603	1104 BOCA CHICA BLVD	5,779	1,702	-
01/20/17	81990 amended	FD6605	20000 STATE HIGHWAY 48 OFF OF MARINE WAY RD - AMFELS INC	5,252	5,252	-
11/01/16	81836	FD6606	1995 BILLY MITCHELL - TRICO	44,700	-	-
11/02/16	81896	FD6609	BOCA CHICA BLVD AND RIO GRANDE AVE	5,957	-	-
12/08/16	83773	FD6610	8100 PADRE ISLAND HWY	261	-	-
11/01/16	81843	FD6611	850 W ANCHOR DR INTERLUBE	1,291	-	-
02/08/17	87568	FD6614	508 E ELIZABETH ST	9,497	-	-
02/10/17	87743	FD6615	4975 SALIDA DE LA LUNA RAQUEL PENNA ELEMENTARY SCHOOL	18,817	-	-
02/24/17	88060	FD6617	1300 W SAINT FRANCIS ST	5,471	1,365	-

Capital Project Listing – FY 2017
For All Carryover Electric Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2017 BEGINNING BALANCE	FY 2017 ENDING BALANCE	DEFERRED FY 2018+ BUDGET
02/15/17	88061	FD6618	2704 N CORIA ST	2,977	-	-
02/27/17	88614	FD6620	2100 W SAN MARCELO BLVD	3,177	-	-
09/28/16	79944	FD6621	2800 RUBEN M TORRES BLVD AT VALLEY RESACA APARTMENTS	5,544	-	-
03/24/17	89881	FD6622	108 SUNSET DR	411	-	-
04/04/17	90452	FD6623	9155 R.L. OSTOS RD BIG GRAIN ELEVATOR	3,304	-	-
04/06/17	90577	FD6624	3802 N EXPRESSWAY 77/83	2,942	-	-
04/13/17	90912	FD6626	1623 W WASHINGTON ST	1,709	-	-
03/14/17	89399	FD6627	905 E LOS EBANOS BLVD	4,134	-	-
02/01/17	87174	FD6629	33 SUNSET DR	7,455	-	-
06/13/17	93787	FD6631	433 CHAMPION DR	2,415	2,081	-
09/26/16	79715	FD6633	PORT OF BROWNSVILLE (OIL DOCK #6)	16,783	-	-
06/20/17	94025	FD6634	125 PARK STREET	2,337	-	-
05/15/17	92302	FD6635	200 THOMPSON DR	13,840	-	-
06/27/17	94607	FD6637	1214 PALM BLVD	665	598	-
02/06/17	87429	FD6638	4207 LAS PALMAS CIR	2,106	2,106	-
04/26/17	91458	FD6639	705 PAREDES LINE RD SPECTRUM/TIME WARNER CABLE	6,612	-	-
11/22/16	82952	FD6640	1025 WILDROSE LN LOS CEDROS APARTMENTS	11,751	11,559	-
08/07/17	96651	FD6641	224 E MADISON ST	710	328	-
08/01/17	96405	FD6642	770 W ELIZABETH ST LA MICHOACANA	8,493	8,493	-
09/29/17	90369 amended	FD6643	937 EXPWY 77 SOUTH FRONTAGE RD PEARL PLAZA	10,635	9,596	-
03/01/16	70051	FD6644	2635 E PRICE RD - LIFT STATION 45	7,854	7,854	-
05/09/17	92075	FD6645	2255 SOUTHMOST BLVD	2,306	767	-

Capital Project Listing – FY 2017
For All Carryover Electric Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2017 BEGINNING BALANCE	FY 2017 ENDING BALANCE	DEFERRED FY 2018+ BUDGET
09/07/17	98304	FD6646	1904 CLEVELAND ST	2,066	1,471	-
07/19/17	95712	FD6647	3480 BOCA CHICA BLVD PENINSULA APARTMENTS	5,725	5,725	-
08/02/17	96502	FD6648	1209 HAYES ST	3,578	3,578	-
09/11/17	98431	FD6649	MILITARY HWY - POLES BETWEEN W ALTON GLOOR BLVD AND W RUBEN TORRES BLVD	18,907	18,907	-
09/18/17	98963	FD6650	1145 E ALTON GLOOR BLVD	5,993	-	-
07/06/17	94981	FD6651	US 281 & OLD MILITARY HWY	4,770	4,770	-
12/19/16	N/A	WN1216	EXPENSES FOR DECEMBER 2016 WINTER STORM	6,770	-	-
CARRYOVER TROUBLE CALL PROJECT TOTAL				\$ 1,294,008	\$ 134,487	\$ -
OVERALL CARRYOVER ELECTRIC UTILITY PROJECT TOTAL				\$ 16,875,782	\$ 10,731,083	\$ 321,085
NET BUDGET CHANGES						531,929
APPROVED CARRYOVER UTILITY PROJECT TOTAL						\$ <u>11,584,097</u>

**Capital Project Listing – FY 2017
For All Carryover Water Utility Projects
Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2017 BEGINNING BALANCE	FY 2017 ENDING BALANCE	DEFERRED FY 2018+ BUDGET
N/A	N/A	CDAM	CHANNEL DAM	-	-	-
06/23/17	76659 amended	WS1004	WELL FIELD MONITORING PROJECT	-	-	-
10/14/16	79158 amended	WD1010	US HWY 281 WATER LINE ADJUSTMENT OFF OF CARMEN AVE AT THE STREET ENTRANCE TO VETERANS MEMORIAL HIGH SCHOOL	82,229	-	-
09/28/16	79851	WT1015	CAUSTIC SODA FEED IMPROVEMENTS AT WATER PLANT NO. 2	49,731	30,105	-
11/02/16	81897	WD1021	WATER DISTRIBUTION SYSTEM VALVE REPLACEMENT PROJECT	30,468	11,681	-
12/12/17	84062	WA1032	EMERGENCY SHUTDOWN SYSTEM FOR CHLORINE CONTAINERS AT WATER PLANT I	42,342	7,795	-
01/09/17	85681	WA1037	SEDIMENTATION BASIN LIGHTING REPLACEMENT AT WATER PLANT II	76,423	76,111	-
02/28/17	88663	WS1047	REPLACEMENT OF BUTTERFLY VALVE AND CHECK VALVE FOR BACKWASH PUMP AND HIGH SERVICE PUMP NO. 5 FOR WATER PLANT I	44,432	5,826	-
08/21/17	97493	WT1070	CAUSTIC STORAGE TANK AND CHEMICAL PLUMBING FOR WATER PLANT I	80,000	80,000	-
08/21/17	97527	WT1071	HIGH SERVICE PUMP STATION NO. 5 REPLACEMENT FOR WATER PLANT I	110,000	110,000	-
08/21/17	97564	WT1072	FLOCCULATION BASIN B SLUICE GATES REPLACEMENT FOR WATER PLANT I	80,000	80,000	-
06/16/11	28143	WD3765	8" WATER MAIN ALONG ALTON GLOOR INTERSECTION OF LAREDO RD AND SCAEFER LANE	13,386	13,386	-
08/30/17 amended	28551	WT3772	FILTER SYSTEM REHABILITATION PROJECT AT WATER PLANT I AND II	35,540	557	-
09/18/12 amended	32867	WT3829	WATER PLANT #1 GATE VALVE	14,442	14,442	-
11/30/12	34085	WT3860	UPGRADE RAW WATER PUMPS FOR #3 AND #6 VARIABLE FREQUENCY DRIVES AT WTP #1	41,175	41,175	-
05/08/17	91971	WD3911	WATER CONNECTION TO LS 9, 65, 33, 20, 15, 41, 3 AT AS PART OF ODOR CONTROL PROJECT	65,056	27,238	-
06/24/14	48851	WA3913	JARDIN TERRACE SUBDIVISION APPRAISAL OF LOTS	18	18	-
01/10/17 amended	74389	WA3998	2015 WWW MASTER PLAN & SYSTEM MODELS SUPPLEMENT AND ELEVATED WATER STORAGE TANK EVALUATION	23,174	11,422	-
CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ 788,416	\$ 509,756	\$ -
02/24/16	69790	WD5328	RED OAK APARTMENTS 4340 JAIME ZAPATA AVE DEVELOPER INSTALLED IMPROVEMENTS	5,476	5,476	-
10/14/16	80611	WD5336	SUNDANCE APARTMENTS OFF OF TONY'S RD AND DR HUGH EMERSON RD DEVELOPER INSTALLED IMPROVEMENTS	5,896	4,591	-
03/15/17 amended	81240	WD5337	HARMONY SCHOOL OF INNOVATION 3451 DANA ROAD DEVELOPER INSTALLED IMPROVEMENTS	5,488	3,415	-

Capital Project Listing – FY 2017
For All Carryover Water Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2017 BEGINNING BALANCE	FY 2017 ENDING BALANCE	DEFERRED FY 2018+ BUDGET
11/18/16	82819	WD5338	JJR SUBDIVISION FM 802-RUBEN TORRES BLVD AT BELLA VISTA APTS DEVELOPER INSTALLED IMPROVEMENTS	4,070	3,837	-
12/12/16	84033	WD5339	HOME 2 SUITES BY HILTON AT 717 SPRINGMART BLVD DEVELOPER INSTALLED IMPROVEMENTS	4,928	4,391	-
01/03/17	85230	WD5342	SANTANDER SUBDIVISION, PHASE II OFF OF LAREDO RD DEVELOPER INSTALLED IMPROVEMENTS	4,433	-	-
01/23/17	86471	WD5343	ELBLED SUBDIVISION CORNER OF LAREDO RD AND RUBEN TORRES BLVD DEVELOPER INSTALLED IMPROVEMENTS	4,943	4,535	-
03/16/17	89502	WD5345	SIMMONS POINT SUBDIVISION AT SANTANDER OFF OF LAREDO RD/MORRISON RD DEVELOPER INSTALLED IMPROVEMENTS	5,178	2,266	-
05/03/17	91738	WD5347	CST #1859 SUBDIVISION AT FM 802 (RUBEN TORRES) AND CENTRAL AVENUE DEVELOPER INSTALLED IMPROVEMENTS	999	999	-
05/16/17	92384	WD5348	CROSS COUNTRY TRAILS SECTION 7 SUBDIVISION AT ABILENE TRAIL / BUCKEYE COURT DEVELOPER INSTALLED IMPROVEMENTS	3,788	2,933	-
06/26/17	94498	WD5349	SILVER CREEK SUBDIVISION ON PAREDES LINE RD BETWEEN MORRISON RD AND ALTA MESA BLVD DEVELOPER INSTALLED IMPROVEMENTS	5,758	5,621	-
06/29/17	94651	WD5350	RESACA CROSSING SUBDIVISION ON HUDSON BLVD AND RUBEN TORRES BLVD DEVELOPER INSTALLED IMPROVEMENTS	4,438	4,347	-
08/15/17	97180	WD5351	VILLARREAL GARCIA SUBDIVISION OFF OF VERMILLION ROAD DEVELOPER INSTALLED IMPROVEMENTS	2,547	2,336	-
08/25/17	97769	WD5352	THE WOODLANDS NO. 2-A SUBDIVISION DEVELOPER INSTALLED IMPROVEMENTS	2,617	2,617	-
			CARRYOVER SUBDIVISION PROJECT TOTAL	\$ 60,558	\$ 47,362	\$ -
			CARRYOVER RELOCATION/REPLACEMENT OF LINES PROJECT TOTAL	\$ -	\$ -	\$ -
N/A	N/A	WD9001	NEW CONNECTIONS-NO PROJ # ASSIGNED	840,665	-	-
			CARRYOVER NEW CONNECTION PROJECT TOTAL	\$ 840,665	\$ -	\$ -
			OVERALL CARRYOVER WATER UTILITY PROJECT TOTAL	\$ 1,689,640	\$ 557,119	\$ -
			NET BUDGET CHANGES			598,886
			APPROVED CARRYOVER UTILITY PROJECT TOTAL			\$ 1,156,004

Capital Project Listing – FY 2017
For All Carryover Wastewater Utility Projects
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2017 BEGINNING BALANCE	FY 2017 ENDING BALANCE	DEFERRED FY 2018+ BUDGET
07/18/17	95617	SA1062	NWWTP ADMINISTRATION BUILDING IMPROVEMENTS	10,066	10,066	389,934
09/25/17	99408	ST1074	BIOFILTER 6" GRAVITY DRAIN LINE AT SOUTH WASTEWATER TREATMENT PLANT	24,836	19,934	-
01/26/16	34934 amended	SA3846	WASTEWATER EFFLUENT REUSE LINE TO THE PROPOSED ELECTRIC GENERATION STATION	1,461,363	1,291,657	-
01/26/16	37560 amended	SA3862	TENASKA INDUSTRIAL WASTEWATER TRANSPORTATION SERVICE AGREEMENT	259,868	246,341	-
07/20/16	47096 amended	ST3911	ODOR CONTROL MASTER PLAN IMPLEMENTATION ENGINEERING FOR SSWTP AND 8 LIFT STATIONS THROUGHOUT BROWNSVILLE	-	-	-
08/19/15	64036	ST3960	NWWTP UV STRUCTURE CANOPY AND MONORAIL CRANE - ENGINEERING PHASE	37,366	16,073	-
02/02/17	65505 amended	SC3961	LAS PALMAS MOBILE HOME PARK INSTALLATION OF PUBLIC SEWER SYSTEM	76,533	-	-
CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ 1,870,033	\$ 1,584,071	\$ 389,934
CARRYOVER SUBDIVISION PROJECT TOTAL				\$ -	\$ -	\$ -
N/A	N/A	SC6000	EMERGENCY WW REPLACEMENT <small>Activity for use when work order not available at time of emergency.</small>	-	-	-
05/18/16	42044 amended	SP6083	LIFT STATION 45 REHABILITATION AT 2644 E PRICE RD	22,679	10,679	-
09/11/17	64256 amended	SC6091	BROWNSVILLE MARKET SQUARE WASTEWATER UTILITY IMPROVEMENTS IN THE DOWNTOWN AREA	791,082	191,960	-
CARRYOVER RELOCATION/REPLACEMENT OF LINES PROJECT TOTAL				\$ 813,761	\$ 202,639	\$ -
N/A	N/A	SC9001	NEW CONNECTIONS-NO PROJ # ASSIGNED	-	-	-
07/29/16	30301 amended	SC9265	SOUTH COLONIAS OF BROWNSVILLE CORONADO, COLONIA 21 SUBDIVISION, DOCKBERRY ESTATES, MILPA VERDE, AND PALOMA BLANCA	262,747	262,700	-
07/29/16	30302 amended	SC9266	NORTH COLONIAS OF BROWNSVILLE LAS FLORES, PALACIOS, CENTRAL ESTATES, PRAXEDIS SALDIVAR, AND UNSERVED PORTIONS ALONG OLD PORT ISABEL RD	182,161	182,020	-
04/15/16	33849 amended	SC9272	FM 511-802 COLONIA AREAS CONSTRUCTION PHASE	337,247	-	-
03/10/16	70623	SC9277	3029 SOUTH BUCKINGHAM CT	-	-	-
10/13/16	80734	SC9278	404 E WASHINGTON STREET	2,788	2,788	-
CARRYOVER NEW CONNECTION PROJECT TOTAL				\$ 784,944	\$ 447,509	\$ -
OVERALL CARRYOVER WASTEWATER UTILITY PROJECT TOTAL				\$ 3,468,738	\$ 2,234,218	\$ 389,934
NET BUDGET CHANGES						(1,621,225)
APPROVED CARRYOVER UTILITY PROJECT TOTAL						\$ 1,002,927

Capital Project Listing – FY 2017
For All Carryover Water & Wastewater Utility Projects
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2017 BEGINNING BALANCE	FY 2017 ENDING BALANCE	DEFERRED FY 2018+ BUDGET
CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ -	\$ -	\$ -
10/08/15	65765	WD5326	LAS PALMAS - SIERRA GRANDE SUBDIVISION	4,303	4,303	-
	65767	SC5326	ALONG US 77/83 NORTH OF FM 802 DEVELOPER INSTALLED IMPROVEMENTS	-	-	-
10/12/15	65798	WD5327	WINDSOR SUBDIVISION	5,063	5,063	-
	65799	SC5327	3705 BOCA CHICA BLVD DEVELOPER INSTALLED IMPROVEMENTS	-	-	-
09/15/16	79170	WD5335	RIVER'S EDGE SUBDIVISION AT SANTANDER	4,552	-	-
	79171	SC5335	OFF OF LAREDO ROAD DEVELOPER INSTALLED IMPROVEMENTS	5,855	-	-
CARRYOVER SUBDIVISION PROJECT TOTAL				\$ 19,774	\$ 9,367	\$ -
08/08/11	28116	WD6072	CAMERON PARK IMPROVEMENTS	55	-	-
CARRYOVER RELOCATION/REPLACEMENT OF LINES PROJECT TOTAL				\$ 55	\$ -	\$ -
07/10/15	62664	WD9275	UTILITY CONNECTION TO 60' X 24' BUILDING	14,818	14,818	-
	59589	SC9275	FOR CUSTOMER SERVICE AND INFORMATION TECHNOLOGY USE	-	-	-
CARRYOVER NEW CONNECTION PROJECT TOTAL				\$ 14,818	\$ 14,818	\$ -
Carryover Water Utility Project Total				28,792	24,184	-
Carryover Wastewater Utility Project Total				5,855	-	-
OVERALL CARRYOVER WATER & WASTEWATER UTILITY PROJECT TOTAL				\$ 34,646	\$ 24,184	\$ -
NET BUDGET CHANGES						-
APPROVED CARRYOVER UTILITY PROJECT TOTAL						\$ 24,184

**Summary Expenditure Report
For All Carryover Projects – FY 2017
For All Other Capital Funds**

	<u>FY 2017 BEGINNING BALANCE</u>	<u>FY 2017 ENDING BALANCE</u>	<u>DEFERRED BUDGET</u>	<u>NET BUDGET CHANGES</u>	<u>FISCAL YEAR 2018 FUNDING</u>	<u>FY 2018 APPROVED BUDGET</u>
FUTURE DEBT BOND PROCEEDS PROJECTS (COMMERCIAL PAPER FUND 405) TOTAL	\$ 9,146,661	\$ 4,823,243	\$ 2,053,269	\$ 5,743,409	\$ 6,428,115	\$ 19,048,036
IMPACT FEES (FUND 410) TOTAL	180,694	141,005	-	100,321	1,157,200	1,398,526
GRANTS FUND (FUND 200) TOTAL	2,098,448	1,867,565	-	1,126,370	700,000	3,693,935
OTHER CAPITAL FUNDS BUDGET TOTAL	<u>\$ 11,425,803</u>	<u>\$ 6,831,813</u>	<u>\$ 2,053,269</u>	<u>\$ 6,970,100</u>	<u>\$ 8,285,315</u>	<u>\$ 24,140,497</u>

**Capital Project Listing – FY 2017
For All Carryover Projects
Future Debt Bond Proceeds Projects (Commercial Paper Fund 405)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2017 BEGINNING BALANCE	FY 2017 ENDING BALANCE	DEFERRED FY 2018+ BUDGET
09/19/16	79344	SP1008	LS 159 MOTOR CONTROL CENTER BUILDING AND ELECTRICAL UPGRADES	\$ 42,396	\$ -	\$ -
09/20/16	79461	SP1009	LS 63 MOTOR CONTROL CENTER BUILDING AND ELECTRICAL UPGRADES	44,146	7,206	-
09/21/16	79488	SP1011	LIFT STATION NO. 44 REHABILITATION AT 45 TAN OAK CIRCLE	24,666	19,008	-
09/22/16	79548	SP1012	LIFT STATION NO. 68 REHABILITATION AT 4700 STAGECOACH TRAIL	24,666	18,962	-
09/22/16	79561	SP1013	LIFT STATION NO. 69 REHABILITATION AT 1580 LA POSADA DRIVE	24,666	18,347	-
11/01/16	81873	SA1023	A/C REPLACEMENT IN ADMIN. BUILDING OF SOUTH WASTEWATER TREATMENT PLANT	18,386	18,386	-
04/10/17	83301 amended	WD1025	2.0 MG ELEVATED STORAGE TANK DESIGN PHASE	29,313	19,565	-
12/06/16	83653	SA1028	SWWTP AERATION BASIN #2 GUARDRAIL REPLACEMENT	31,411	22,312	-
01/09/17	85550	ST1038	ONE 40 HP SUBMERSIBLE PUMP REPLACEMENT FOR THE RETURN ACTIVATED SLUDGE PUMP STATION AT SWWTP	57,096	6,717	-
01/23/17	86198	SA1042	ONE 40HP R.A.S. PUMP FOR SOUTH WASTEWATER TREATMENT PLANT	60,060	4,871	-
02/10/17	87796	SP1044	LIFT STATION NO. 9 PUMP REPLACEMENT	79,657	-	-
02/13/17	87914	SP1045	LIFT STATION NO. 63 PUMP REPLACEMENT	88,576	9,988	-
04/21/17	91236	SP1051	LIFT STATION NO 8 AND 41 REHABILITATION AT 2702 LA VILLITA ST AND 2341 E LOS EBANOS BLVD	13,864	9,339	-
04/24/17	91395	SA1052	LIFT STATION NO 130 FENCE REPLACEMENT AT 3299 EMERALD VALLEY BLVD	6,932	-	-
08/12/16	77785	ET1058	138 KV RIO GRANDE SUBSTATION CONVERSION FROM 69 KV AT POWER PLANT	1,000,000	965,723	2,053,269
07/26/17	96082	WT1063	WATER PLANT MAIN FLOW METERS	40,760	9,526	-
06/12/17	93699	SP1066	ODOR CONTROL MASTER PLAN, PHASE II FOR EIGHT WASTEWATER LIFT STATIONS	186,349	186,349	-
08/30/17	28551 amended	WT3772	FILTER SYSTEM REHABILITATION PROJECT AT WATER PLANT I AND II	922,256	465,264	-
12/03/13	42653	WD3888	MARTINAL AREA WATER SYSTEM LOOPS OFF OF OLD PORT ISABEL ROAD AND FM 802	22,809	22,809	-
01/15/14	43581	SC3891	LS 77 FORCE MAIN EXTENSION	-	-	-
02/05/14	44172	WA3897	WATER TREATMENT #2 ROOF REPLACEMENT	2,084	2,084	-
08/09/17	47262 amended	EA3909	ELECTRIC SCADA SYSTEM - INSTALLATION AND REPLACEMENT	2,199,685	1,236,704	-
07/20/16	47096 amended	ST3911	ODOR CONTROL MASTER PLAN IMPLEMENTATION ENGINEERING, PHASE 1 - SWWTP AND 16 LOCATIONS THROUGHOUT BROWNSVILLE	1,931,435	-	-

Capital Project Listing – FY 2017
For All Carryover Projects
Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2017 BEGINNING BALANCE	FY 2017 ENDING BALANCE	DEFERRED FY 2018+ BUDGET
06/21/17	60914 amended	SP3951	IMPROVEMENTS TO LIFT STATION NO. 6 AND NO. 108	552,350	515,998	-
02/02/17	65505 amended	SC3961	LAS PALMAS MOBILE HOME PARK INSTALLATION OF PUBLIC SEWER SYSTEM	470,658	470,658	-
12/15/15	67327	ST3973	REPLACEMENT PUMP FOR DIGESTER PUMP STATION AT SOUTH WASTEWATER TREATMENT PLANT	236	236	-
02/08/16	69006 69007	WA3978 SA3978	WATER PLANT SCADA REDUNDANCY WASTEWATER PLANT SCADA REDUNDANCY	10,149 10,149	1,555 1,555	- -
01/19/16	68137	ED3979	CAPACITORS FOR MILITARY SUBSTATION FEEDERS	19,663	-	-
04/06/16	71863	ST3989	15HP GRINDER PUMP AND SCUM DRAIN AT SOUTH WASTEWATER TREATMENT PLANT	1,807	1,807	-
05/31/16	74620	ST3999	RECLAIM WATER PUMP STATION AUTOMATIC CONTROL SYSTEM UPGRADES AT SWWTP	849	849	-
09/18/14	51737	WD5303	MAYORCA VILLAS SUBDIVISION	-	-	-
09/22/14	51796	SC5303	CORNER OF JOSE MARTI AND LA PAZ COURT DEVELOPER INSTALLED IMPROVEMENTS	1,554	1,554	-
12/16/14	55114	WD5310	LOS SABALES SUBDIVISION	3,324	3,324	-
12/16/14	55118	SC5310	AT VICC ON OLD HWY 77 AND INTERNATIONAL DR DEVELOPER INSTALLED IMPROVEMENTS	165	-	-
05/18/15	60951	SC5321	TIKUN PLAZA WASTEWATER LINE EXTENSION ON WEST ALTON GLOOR BLVD AND LAREDO RD DEVELOPER INSTALLED IMPROVEMENTS	4,865	4,865	-
10/14/16	80657	SC5336	SUNDANCE APARTMENTS OFF OF TONY'S RD AND DR HUGH EMERSON RD DEVELOPER INSTALLED IMPROVEMENTS	8,175	2,913	-
03/15/17	81239 amended	SC5337	HARMONY SCHOOL OF INNOVATION 3451 DANA ROAD DEVELOPER INSTALLED IMPROVEMENTS	5,981	-	-
11/18/16	82821	SC5338	JJR SUBDIVISION FM 802-RUBEN TORRES BLVD AT BELLA VISTA APTS DEVELOPER INSTALLED IMPROVEMENTS	5,111	-	-
01/03/17	85229	SC5342	SANTANDER SUBDIVISION, PHASE II OFF OF LAREDO RD DEVELOPER INSTALLED IMPROVEMENTS	5,308	1,912	-
01/23/17	86474	SC5343	ELBLED SUBDIVISION CORNER OF LAREDO RD AND RUBEN TORRES BLVD DEVELOPER INSTALLED IMPROVEMENTS	7,321	7,321	-
03/16/17	89500	SC5345	SIMMONS POINT SUBDIVISION AT SANTANDER OFF OF LAREDO RD/MORRISON RD DEVELOPER INSTALLED IMPROVEMENTS	6,024	1,858	-
03/16/17	89514	SC5346	BMRSD, LLC SUBDIVISION OFF OF ALTON GLOOR BLVD / WINDWOOD WAY DEVELOPER INSTALLED IMPROVEMENTS	6,253	3,283	-

Capital Project Listing – FY 2017
For All Carryover Projects
Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2017 BEGINNING BALANCE	FY 2017 ENDING BALANCE	DEFERRED FY 2018+ BUDGET
05/03/17	91733	SC5347	CST #1859 SUBDIVISION AT FM 802 (RUBEN TORRES) AND CENTRAL AVENUE DEVELOPER INSTALLED IMPROVEMENTS	6,271	5,564	-
05/16/17	92383	SC5348	CROSS COUNTRY TRAILS SECTION 7 SUBDIVISION AT ABILENE TRAIL / BUCKEYE COURT DEVELOPER INSTALLED IMPROVEMENTS	4,940	2,634	-
06/26/17	94518	SC5349	SILVER CREEK SUBDIVISION ON PAREDES LINE RD BETWEEN MORRISON RD AND ALTA MESA BLVD DEVELOPER INSTALLED IMPROVEMENTS	7,165	6,935	-
06/29/17	94653	SC5350	RESACA CROSSING SUBDIVISION ON HUDSON BLVD AND RUBEN TORRES BLVD DEVELOPER INSTALLED IMPROVEMENTS	3,445	3,353	-
08/15/17	97181	SC5351	VILLARREAL GARCIA SUBDIVISION OFF OF VERMILLION ROAD DEVELOPER INSTALLED IMPROVEMENTS	2,861	2,291	-
08/25/17	97770	SC5352	THE WOODLANDS NO. 2-A SUBDIVISION DEVELOPER INSTALLED IMPROVEMENTS	3,383	3,215	-
06/30/17	42044 amended	SP6083	LIFT STATION 45 REHABILITATION AT 2644 E PRICE RD	599,918	551,834	-
11/29/16	49129 amended	WD6088	SOUTH SAN MARCELO BLVD UTILITY IMPROVEMENTS	209,206	-	-
11/29/16	49126 amended	SC6088		105	-	-
01/07/16	67840	WD6092	RINGGOLD AND GAZELLE STREET	31,122	27,425	-
07/29/16	62409 amended	SC6092	UTILITY LINE IMPROVEMENTS	200,395	50,799	-
08/28/17	97815	WD6093	ROOSEVELT STREET	12,825	12,767	-
08/28/17	97813	SC6093	UTILITY LINE IMPROVEMENTS	12,825	12,767	-
08/28/17	97838	SC6094	PALO VERDE SEWER REHABILITATION	12,966	12,733	-
05/28/15	33849 amended	SC9272	FM 511-802 COLONIA AREAS CONSTRUCTION PHASE	68,080	68,080	-
CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ 9,146,661	\$ 4,823,243	\$ 2,053,269
ELECTRIC UTILITY TOTAL:				\$ 3,219,348	\$ 2,202,427	\$ 2,053,269
GENERAL & ADMINISTRATIVE UTILITY:				-	-	-
WATER UTILITY TOTAL:				1,283,848	564,319	-
WASTEWATER UTILITY TOTAL:				4,643,465	2,056,497	-
OVERALL COMMERCIAL PAPER FUND TOTAL				\$ 9,146,661	\$ 4,823,243	\$ 2,053,269
NET BUDGET CHANGES						5,743,409
APPROVED CARRYOVER COMMERCIAL PAPER FUND PROJECT TOTAL						\$ <u>12,619,921</u>

**Capital Project Listing – FY 2017
For All Carryover Projects
Impact Fees Fund Projects (Fund 410)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2017 BEGINNING BALANCE	FY 2017 ENDING BALANCE	DEFERRED FY 2018+ BUDGET
05/26/17	81898 amended	WD1022	16-INCH WATERLINE LOOP FROM W. ALTON GLOOR BLVD TO LAGO VISTA	179,728	141,005	-
11/20/14	48534 amended	WA3912	2014 WATER AND WASTEWATER MASTER PLAN AND SYSTEM MODELING	553	-	-
11/20/14	48542 amended	SA3912		-	-	-
12/28/15	67553 67763	WA3972 SA3972	2015 IMPACT FEE STUDY FOR WATER & WASTEWATER INFRASTRUCTURE	207 207	- -	- -
CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ 180,694	\$ 141,005	\$ -
WATER UTILITY TOTAL:				\$ 180,488	\$ 141,005	\$ -
WASTEWATER UTILITY TOTAL:				207	-	-
OVERALL IMPACT FEES FUND TOTAL				\$ 180,694	\$ 141,005	\$ -
NET BUDGET CHANGES						100,321
APPROVED CARRYOVER IMPACT FEES PROJECT TOTAL						\$ <u>241,326</u>

**Capital Project Listing – FY 2017
For All Carryover Projects
Grant Proceeds (Fund 200)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2017 BEGINNING BALANCE	FY 2017 ENDING BALANCE	DEFERRED FY 2018+ BUDGET
05/26/17	81898 amended	WD1022	16-INCH WATERLINE LOOP FROM W. ALTON GLOOR BLVD TO LAGO VISTA	179,728	141,005	-
11/20/14	48534 amended	WA3912	2014 WATER AND WASTEWATER MASTER PLAN AND SYSTEM MODELING	553	-	-
11/20/14	48542 amended	SA3912		-	-	-
12/28/15	67553	WA3972	2015 IMPACT FEE STUDY	207	-	-
	67763	SA3972	FOR WATER & WASTEWATER INFRASTRUCTURE	207	-	-
CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ 180,694	\$ 141,005	\$ -
WATER UTILITY TOTAL:				\$ 180,488	\$ 141,005	\$ -
WASTEWATER UTILITY TOTAL:				207	-	-
OVERALL IMPACT FEES FUND TOTAL				\$ 180,694	\$ 141,005	\$ -
NET BUDGET CHANGES						100,321
APPROVED CARRYOVER IMPACT FEES PROJECT TOTAL						\$ <u>241,326</u>

GRANTS

Grant Schedule As of September 30, 2017

Federal Grantor/Pass-Through Grantor/Program Title/Grant No.	Grant Period From	To	Total Project Cost	Approved Grant Funding	BPUB Activity Number	Grant Expenditures Requested	Reimbursements Received	Due From Government
FEDERAL FINANCIAL ASSISTANCE								
ENVIRONMENTAL PROTECTION AGENCY								
<i>Program: Gulf of Mexico Program</i>								
CEMETERY RESACA RESTORATION								
			MX-00D19014-0		CEMEDG			
CFDA # 66.475	8/1/2014	7/31/2016	735,590	300,000		\$ 300,000	\$ 300,000	\$ -
		TOTAL	\$ 735,590	\$ 300,000		\$ 300,000	\$ 300,000	\$ -
ENVIRONMENTAL PROTECTION AGENCY								
<i>Project Name: Resaca Restoration Wetlands</i>								
			CD-01F10701-0		RESWET			
CFDA # 66.461	1/1/2016	1/1/2018	220,787	161,840		\$ 127,421	\$ 127,421	\$ -
			\$ 220,787	\$ 161,840		\$ 127,421	\$ 127,421	\$ -
ENVIRONMENTAL PROTECTION AGENCY in connection with BORDER ENVIRONMENT COOPERATIVE COUNCIL								
<i>Project Name: Fat, Oil, and Grease Public Outreach</i>								
			TAA16-008		FOGG16			
CFDA # 66.931	2/2/2016	2/2/2017	56,922	25,000		\$ 21,471	\$ 21,471	\$ -
			\$ 56,922	\$ 25,000		\$ 21,471	\$ 21,471	\$ -
ENVIRONMENTAL PROTECTION AGENCY in connection with BORDER ENVIRONMENT COOPERATIVE COUNCIL								
<i>Program: Congressionally Mandated Projects</i>								
<i>Project Name: BPUB Residential Connections</i>								
			TX0470		SC9276			
CFDA # 66.202	2/23/2016	2/23/2019	3,700,000	3,700,000		\$ 220,160	\$ 220,160	\$ -
			\$ 3,700,000	\$ 3,700,000		\$ 220,160	\$ 220,160	\$ -
DEPARTMENT OF THE INTERIOR THROUGH THE BUREAU OF RECLAMATION								
<i>Program: Secure Water Act</i>								
<i>Project Name: SRWA Wellfield Monitoring Program</i>								
			R15AP00182		WS1004			
CFDA # 15.507	10/1/2015	10/1/2017	600,000	300,000		\$ 177,369	\$ 177,369	\$ -
			\$ 600,000	\$ 300,000		\$ 177,369	\$ 177,369	\$ -
Total Expenditures and Disbursements of Federal Awards						\$ 846,421	\$ 846,421	

Grant Schedule
As of September 30, 2017 - Continued

Federal Grantor/Pass-Through Grantor/Program Title/Grant No.	Grant Period	Total Project Cost	Approved Grant Funding	BPUB Activity Number	Grant Expenditures Requested	Reimbursements Received	Due From Government
	From	To					
STATE FINANCIAL ASSISTANCE							
TEXAS WATER DEVELOPMENT BOARD							
<i>Program: Economically Distressed Areas Program</i>							
FM511-802 Colonia (CONSTRUCTION)							
			10344	SC9272			
G120010	4/19/2012	6/30/2015	\$ 25,497,000	\$ 24,505,000	\$ 23,525,433	\$ 23,525,433	\$ -
L120029				840,000	840,000	840,000	-
			<u>\$ 25,497,000</u>	<u>\$ 25,345,000</u>	<u>\$ 24,365,433</u>	<u>\$ 24,365,433</u>	<u>\$ -</u>
Total Expenditures and Disbursements of State Awards					<u>\$ 24,365,433</u>	<u>\$ 24,365,433</u>	
LOCAL FINANCIAL ASSISTANCE							
Texas Dept. of Agriculture/CDBG/Cameron County							
Las Palmas Mobile Home Park	9/20/2016	11/11/2017	TXDAG/CDBG/CC		SC3961		
			\$ 1,050,190	\$ 450,302	\$ -	\$ -	\$ -
			<u>\$ 1,050,190</u>	<u>\$ 450,302</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
CPS HR CONSULTING							
MILLENNIAL RETENTION	4/1/2017	3/31/2018	CPS HR CONSULTING		MRETEN		
			\$ 20,000	\$ 20,000	\$ 4,879	\$ 4,879	\$ -
			<u>\$ 20,000</u>	<u>\$ 20,000</u>	<u>\$ 4,879</u>	<u>\$ 4,879</u>	<u>\$ -</u>
Brownsville Community Improvement Corporation							
CONNECTION TO WELLNESS	3/25/2017	3/25/2017	BCIC		CWBCIC		
			\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ -
			<u>\$ 5,000</u>	<u>\$ 5,000</u>	<u>\$ 5,000</u>	<u>\$ 5,000</u>	<u>\$ -</u>
Total Expenditures and Disbursements of Local Awards					<u>\$ 9,879</u>	<u>\$ 9,879</u>	
Total Expenditures and Disbursements of Federal, State, Local Awards and TWDB Bonds					<u>\$ 25,221,733</u>	<u>\$ 25,221,733</u>	

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APPENDICES

Appendices Section

This part of the Brownsville PUB Annual Budget Report presents detailed information as a context for understanding what the information in the required statistical and supplementary information says about the Brownsville PUB.

Contents	Page
Operations Expenses Analysis by Account This schedule contains information to help the reader understand the Brownsville Public Utilities Operations & Maintenance expenses at the account level for prior years, the current year and the budget year.	Appendix A 369-371
BPUB Description and Utility Service Territory Maps These schedules include supplemental data that describe the organization, the community, and service territory.	Appendix B 372-378
Glossary This schedule includes any terminology (including abbreviations and acronyms) that are not readily understandable.	Appendix C 379-388
Financial Trends These schedules contain trend information to help the reader understand how the Brownsville Public Utilities Board's financial performance and well-being has changed over time.	Appendix D 390-392
Revenue Capacity These schedules contain information to help the reader access the Brownsville PUB's local revenue source.	Appendix D 394-398
Debt Capacity These schedules present information to help the reader assess the Brownsville PUB's debt burden and its ability to issue additional debt in the future.	Appendix D 400
Demographic and Economic Information This schedule offers demographic and economic indicators to help the reader understand the environment in which the Brownsville PUB's financial activities take place.	Appendix E 402-409
Operating Information These schedules contain service and infrastructure data to help the reader understand how the information in the Brownsville PUB's financial report relates to the service Brownsville PUB provides and activities it performs.	Appendix F 412-415

OPERATIONS EXPENSE ANALYSIS BY ACCOUNT

Account	Actual	Actual	Actual	Actual	Budget	Unaudited	Budget
	2013	2014	2015	2016	2017	Actual	2018
Personnel O&M							
6101 Supervision	\$ 4,650,504	\$ 5,054,537	\$ 5,051,308	\$ 5,719,467	\$ 6,097,740	\$ 6,344,210	\$ 6,517,961
6105 Administrative Staff	3,111,778	3,461,896	3,729,706	4,013,400	4,521,959	4,588,197	4,886,623
6110 Clerical staff	2,589,001	2,788,553	2,785,339	2,878,461	2,793,569	2,874,212	3,020,194
6115 Operational staff	9,385,000	9,942,438	10,409,084	10,383,521	10,677,366	10,670,630	11,622,787
6120 Part-time staff	631,703	281,357	153,271	214,176	202,496	191,062	202,496
6130 Overtime	666,272	870,301	993,021	800,394	876,648	1,085,719	892,936
6140 Severance Pay	12,926	5,856	-	61,017	-	-	-
6160 Overhead Labor	-	-	-	-	-	-	-
6201 T.M.R.S.	2,990,166	3,173,825	2,286,132	4,339,028	4,265,576	4,575,782	4,647,535
6205 F.I.C.A.	1,265,404	1,340,387	1,378,593	1,421,447	1,524,476	1,511,736	1,625,018
6206 Suta	11,496	39,666	10,578	26,372	-	53,922	-
6210 Medicare	298,444	316,747	327,293	339,549	351,674	361,878	380,044
6214 Dental Insurance	130,634	134,241	136,085	137,682	166,979	139,735	156,427
6215 Hospitalization insurance	3,775,462	3,905,342	3,930,969	4,414,711	5,447,297	4,667,822	5,176,504
6216 Other Post-Employment Benefits (ins)	806,513	1,122,644	895,643	808,372	1,000,000	831,691	900,000
6220 Life Insurance	27,808	29,242	30,404	31,642	26,290	39,655	37,003
6221 Long Term Disability Insurance	51,427	54,996	57,157	59,593	47,972	(10,072)	53,719
6225 Workers Compensation	559,504	597,880	620,706	623,904	607,773	660,887	655,249
6230 Vacation leave	276,024	169,716	105,668	30,308	287,331	300,656	314,527
6235 Sick leave	402,074	456,501	195,783	317,970	315,824	596,233	345,721
6240 Educational assistance	7,924	10,288	490	7,518	27,320	20,913	43,200
6242 Auto Benefits	84,001	92,366	92,943	83,864	76,501	86,654	87,000
6243 Telephone Benefits	13,441	15,315	15,444	14,004	11,761	15,121	15,121
6250 Miscellaneous personnel benefits	64,887	62,539	67,466	166,700	2,336,412	71,861	480,500
6260 Vacancy Savings	-	-	-	-	(1,610,179)	-	(1,912,310)
6270 Retention Plan Budget	-	-	-	-	25,000	-	25,000
Personnel O&M Total	31,812,390	33,926,631	33,273,082	36,893,098	40,077,785	39,678,503	40,173,257
Non-personnel O&M							
7101 Advertising	262,497	243,966	266,739	180,647	286,500	177,135	354,000
7102 Sponsorships	161,976	178,610	180,095	156,750	179,500	160,650	104,500
7105 Books & periodicals	16,696	23,359	14,276	12,227	32,821	35,468	35,526
7110 Dues & memberships	167,596	181,963	188,045	170,109	122,138	183,799	131,044
7115 Educational material	22,935	11,679	21,017	23,096	37,000	46,841	57,550
7120 Office supplies	153,636	163,121	178,402	167,112	205,050	152,644	217,500
7125 Photo equipment/supplies	737	689	255	711	7,200	982	7,900
7130 Postage/shipping charges	352,210	362,181	360,069	353,948	400,885	343,149	401,370
7135 Telephone expenses	324,036	293,172	303,715	448,567	347,430	367,017	376,962
7140 Training expenses	139,143	137,352	150,823	198,562	298,158	155,583	250,000
7145 Travel expenses	359,861	272,515	244,293	311,336	426,478	288,162	345,932
7147 Mileage Reimbursement (InTownExp)	929	308	561	651	2,800	176	3,460
7150 Recruitment Expenses	2,864	5,986	1,985	4,058	15,000	3,571	17,740
7155 Initial Certificatn/Licensing Reimb	-	-	-	829	-	460	12,000
7180 Utilities - departmental	2,109,419	2,568,022	2,679,485	2,759,301	2,773,824	2,628,572	2,763,824
7190 Utilities - CP&L & Mvec	85,137	112,004	108,503	102,037	103,690	92,994	103,690
7199 Miscellaneous office expenses	-	-	513	-	2,200	219	2,000
7201 Barricades & signs	1,836	3,133	2,011	1,844	7,700	5,555	10,950
7203 Sand, Caliche, Gravel, Concrete etc	266,357	192,248	282,806	362,621	281,000	140,211	275,300
7205 Lamps, globes & flares	5,213	3,060	10,360	6,328	14,000	3,285	14,000
7210 Landscaping/Trade a Tree Program	6,333	2,531	8,644	2,493	9,000	5,114	11,250
7215 Laundry & janitorial supplies	5,692	4,493	6,283	3,906	9,435	5,396	8,335
7220 Medical supplies	287	664	492	302	1,000	280	3,100
7225 Safety supplies	57,856	71,629	110,880	97,641	122,581	96,843	150,345
7251 Purchased of Raw Water	49,122	31,540	12,494	17,421	25,000	38,203	50,000
7279 Ultraviolet light system expenses	-	-	-	-	121,430	37,308	100,930
7280 Chemicals - activated carbon	50,567	61,607	41,470	61,363	71,069	61,108	73,383
7281 Chemicals - ammonia	119,300	100,235	89,080	88,240	106,383	88,544	117,770
7282 Chemicals - caustic soda	84,627	54,653	60,760	65,338	79,249	41,024	95,908
7283 Chemicals - chlorine	279,846	195,424	194,286	204,344	204,344	189,420	229,636
7284 Chemicals - coagulant	1,076,134	951,586	823,892	697,001	879,926	630,223	914,520
7285 Chemicals - copper sulphate	-	2,311	-	2,700	5,000	-	5,000
7286 Chemicals - deodorants	158	4,504	6,413	7,688	7,256	8,922	12,400
7290 Chemicals - sodium chloride	106,948	138,707	104,313	100,659	116,130	96,997	133,238
7293 Chemicals - other	1,691,897	1,768,143	1,522,492	1,635,142	933,381	1,060,999	1,027,979
7299 Other materials & supplies	1,559,830	1,395,590	1,570,181	1,433,044	1,426,509	1,477,374	1,499,848
7301 Bad debt expense	358,019	2,721	510,974	652,361	700,000	1,046,123	840,000
7302 Bankruptcy expenses	-	-	-	(4,865)	3,000	1,225	-
7304 Hurricane Preparedness Expenses	283,667	80,827	206,200	220,972	230,950	184,712	230,700
7305 ERCOT expenses	1,799,270	1,567,229	1,247,000	257,995	1,085,000	678,728	1,165,000

OPERATIONS EXPENSE ANALYSIS BY ACCOUNT – CONTINUED

Account	Actual 2013	Actual 2014	Actual 2015	Actual 2016	Budget 2017	Unaudited Actual 2017	Budget 2018
Non-personnel O&M - cont.							
7310 Federal, state, & local fees	292,977	394,911	376,623	405,776	458,835	479,018	509,135
7315 Food, meals, ice, water	49,026	46,971	55,652	49,168	74,009	53,291	79,602
7320 Official functions	15,501	31,488	34,406	28,313	41,400	30,084	67,000
7322 Recognition Program	55,311	66,660	66,228	72,491	85,500	71,523	100,150
7325 Rental of equip/storage/land	391,205	404,484	401,475	454,255	534,206	422,755	626,570
7330 Right of way fees	46,996	53,329	51,384	44,068	55,000	33,240	55,000
7335 Wearing apparel & dry goods	135,410	224,342	260,935	266,324	238,592	296,707	257,105
7340 Promo Exp-Enrgy Efficiency & Consvr	20,688	27,984	25,513	27,141	37,500	26,011	37,500
7345 Rebate Exp-Enrgy Efficiency & Cnsvr	113,598	153,781	187,728	297,430	160,000	244,929	160,000
7346 Water Efficiency Program	-	-	-	-	10,000	10,831	10,000
7347 Commercial & Industrial Rebate Prog	-	-	-	143,818	250,000	193,851	250,000
7348 Customer Assistance Program	-	-	-	12,739	100,000	19,085	50,000
7380 Insurance - general liability	54,829	64,497	64,882	66,058	78,000	52,623	92,000
7381 Insurance - boiler,mchnry,property	982,735	1,063,925	1,046,039	1,002,998	1,300,000	1,030,357	1,200,000
7382 Insurance - blanket bond	1,703	1,582	4,040	4,141	2,000	4,191	3,000
7384 Insurance - public officials liab	63,960	74,241	73,611	67,870	80,500	66,497	80,750
7385 Insurance - comprehensive auto liab	87,524	103,845	109,393	107,236	110,000	118,506	140,000
7386 Insurance - umbrella liability	325,479	350,956	397,767	397,707	405,000	399,491	500,000
7387 Insurance - self insured damages	25,592	53,544	114,156	75,098	150,000	77,106	200,000
7388 Excess Workers Compensation	61,948	63,039	70,740	69,580	-	63,660	-
7405 Auto body repairs	17,228	22,983	14,584	8,611	15,000	15,537	15,000
7410 Batteries	11,954	13,209	15,548	16,016	17,500	18,675	15,000
7415 Fuels & lubricants	793,962	814,117	650,581	475,738	613,390	526,777	733,348
7420 Parts	240,561	295,817	295,485	396,709	280,000	335,832	280,000
7425 Road service	2,217	7,405	22,433	24,266	12,000	22,319	15,000
7430 Tires	66,431	65,964	73,656	85,115	85,000	90,418	85,000
7501 Maint. of buildings & structures	110,367	67,103	33,717	208,083	163,500	72,583	188,794
7505 Maint. of communication equipment	10,839	7,817	8,326	12,856	75,850	31,664	75,350
7515 Maint. of major equipment	284,555	1,715,075	1,018,238	388,253	1,854,600	384,854	1,800,400
7520 Maint. of minor equipment	33,992	63,469	40,879	68,040	90,625	99,586	78,260
7525 Maint. of boiler plant	103,988	90,201	140,150	305,113	250,000	165,941	137,000
7530 Maint. of electric meters	78,326	84,934	73,161	106,787	100,000	127,910	120,000
7535 Maint. of electric plant	-	-	-	-	-	130	-
7540 Maint. of line transformers	173,053	189,778	79,351	86,326	174,000	111,571	219,000
7550 Maint. of overhead lines	111,498	87,341	56,524	89,311	148,000	41,850	103,000
7555 Maint. of station equipment	3,458	11,026	17,072	69,057	65,000	41,848	75,000
7565 Maint. of street lighting & signals	194,825	218,624	223,587	172,126	202,684	165,077	245,200
7570 Maint. of underground lines	203,402	112,632	213,488	363,392	313,000	292,623	251,000
7574 Maintenance of wells	12,452	3,617	2,673	12,053	14,000	10,870	16,400
7575 Maint. of water meters	207,036	218,713	178,775	361,889	290,000	267,920	350,000
7577 Maint. of distribution mains	117,088	129,656	147,029	162,839	120,000	111,341	200,000
7580 Maint. of reservoirs	78,587	63,289	106,433	148,145	110,000	51,085	375,000
7581 Maint. of resacas	23,778	94,789	318,606	332	23,100	3,464	105,100
7585 Maint. of sewer force mains	20,201	18,846	21,814	6,663	30,000	4,073	50,000
7586 Maint. of sewer gravity lines	57,737	145,077	184,828	36,947	140,000	18,821	140,000
7599 Maintenance / other	204,382	366,428	118,443	67,908	99,500	69,740	96,500
7601 Legal Fees	1,613,983	1,599,280	1,485,930	1,630,144	1,768,000	2,096,243	1,748,000
7605 Engineering fees	1,320,188	1,544,181	588,904	581,480	1,056,500	521,508	1,379,200
7610 Financial advisor services	118,659	95,461	60,591	63,669	85,000	60,000	85,000
7615 External auditor fees	60,000	72,000	50,500	58,000	60,000	50,000	60,000
7620 Environmental consulting fees	20,868	56,531	129,307	91,809	105,000	59,273	100,000
7630 Construction contractor services	183,456	352,390	468,810	583,735	384,541	365,996	390,989
7635 Software maintenance service fees	634,956	652,906	809,413	925,227	1,002,145	827,406	1,269,616
7645 Maintenance services	1,532,234	1,544,764	1,424,360	1,641,312	1,719,183	1,674,929	2,420,400
7650 Security services	297,452	332,990	330,795	387,497	507,400	417,262	639,004
7655 Hauling Services	176,314	137,067	143,216	78,519	124,172	97,749	113,500
7660 Ground Keeping Maintenance	206,579	148,436	196,978	293,365	325,000	304,864	350,000
7665 Street Patching Services	-	-	-	-	-	(1,750)	-
7697 O&M Contingency-Maintenance Pool	-	-	-	-	600,000	-	500,000
7698 O&M Contingency-Budget Pool	-	-	-	-	1,037,755	-	732,000
7699 Other services	2,994,910	2,523,965	2,760,875	3,377,486	3,976,489	3,280,683	5,003,094
7801 Communication equipment	15,296	39,389	117,687	52,363	42,300	69,182	79,800
7805 Computer equipment	187,818	361,116	340,458	268,894	232,024	195,103	438,141
7806 Software licenses-new	23,300	33,385	97,101	29,833	109,491	120,089	219,337
7810 Laboratory equipment	18,737	47,918	70,194	41,458	48,839	72,191	53,807
7820 Office furniture & equipment	43,139	57,828	96,631	118,549	143,896	78,670	131,506
7830 Pumping equipment	84,986	190,229	205,133	183,899	194,000	202,099	278,800
7835 Tools, shop and garage equipment	38,751	99,765	172,733	120,180	114,408	85,342	125,730
7840 Water treatment equipment	20,898	9,673	6,383	10,971	25,000	21,702	35,000
7899 Other minor tools & equipment	353,201	179,214	164,893	196,393	317,113	280,165	495,265
Non-personnel O&M Total	27,794,751	29,353,735	28,626,652	28,804,047	35,115,564	28,189,986	38,989,942

OPERATIONS EXPENSE ANALYSIS BY ACCOUNT – CONTINUED

Account	Actual 2013	Actual 2014	Actual 2015	Actual 2016	Budget 2017	Unaudited Actual 2017	Budget 2018
Type 77 - Fuel & Purchased Power							
7701 Fuel - Natural gas - Silas Ray	3,374,506	3,822,520	1,360,321	644,625	1,000,000	1,055,280	1,000,000
7702 Fuel - Natural Gas - Hidalgo Energy	11,820,986	13,091,950	9,210,195	7,768,473	6,500,000	9,445,793	8,000,000
7703 Fuel - Diesel oil - Silas Ray	2,827	3,926	790	1,269	-	-	-
7704 Fuel - TETCO/Hinshaw Pipeline	541,701	629,567	619,795	600,647	600,000	576,365	650,000
7705 Fuel - Coal - Oklaunion	8,366,230	9,906,208	6,940,676	7,500,314	5,500,000	6,438,501	5,000,000
7706 Fuel-Diesel-Distributed Generation	26,108	3,531	-	-	35,000	-	35,000
7707 Fuel - Diesel oil - Oklaunion	178,077	241,855	149,218	171,250	200,000	151,082	150,000
7708 Fuel - Natural Gas Tranp-SilasRay	-	-	50,465	53,643	100,000	83,349	100,000
7714 Pchp - Wind Resources	-	-	-	8,915,000	10,000,000	10,646,707	10,500,000
7720 Pchp - Resource Imbalance	(1,527,651)	(1,639,172)	3,183,248	789,572	2,500,000	1,480,994	1,500,000
7721 Pchp - Economy power	14,354,307	21,743,977	20,437,471	8,984,607	10,000,000	8,677,121	11,000,000
7726 Pchp - Bilateral Energy Expns-Gas	125,996	656,513	-	-	100,000	-	10,000
7727 Pchp - Bilateral Energy-Gas Transp	-	-	-	-	50,000	-	1,000
7728 Pchp - Bilateral Energy Exp-Coal	-	-	-	-	25,000	-	10,000
7729 Pchp - TCOS (Wheeling)	3,668,901	6,358,881	7,634,407	7,935,284	7,800,000	8,306,160	8,700,000
7731 Pchp - Fixed expenses - Oklaunion	5,782,994	6,579,426	6,943,411	5,098,846	6,349,847	5,197,584	5,797,673
7732 Pchp - Hidalgo Fixed Operation Fee	4,727,204	3,415,151	2,850,313	3,148,987	2,977,329	3,822,284	3,244,412
7733 Pchp - Bilateral Ancillary Services	1,104,526	1,776,100	1,720,538	1,198,774	1,800,000	1,227,881	1,500,000
7736 Pchp - QSE Charges	340,628	329,534	312,000	383,500	400,000	599,050	400,000
7737 Pchp - Ercot Charges	(301,308)	(966,043)	965,295	1,046,865	1,200,000	1,265,214	1,400,000
7738 Pchp - CSC Congestion Cost (CSCBE)	1,349,220	1,406,807	2,429,637	927,058	1,700,000	3,748,985	1,500,000
7740 Power marketing services	105,944	237,536	413,200	283,249	500,000	143,929	300,000
7750 Pchp - Real Time Energy - Wind	-	-	-	-	-	903,210	700,000
7751 Pchp - Reliability Unit Cmt Exp-Gas	-	-	23,142	98,846	150,000	99,641	150,000
7752 Pchp - Reliab Unit Cmt - Gas Transp	-	-	3,905	12,632	50,000	6,953	15,000
7753 Pchp - Day Ahead Energy Exp-Gas	-	-	1,056,932	848,692	1,400,000	70,284	500,000
7754 Pchp - Day Ahead Energy-Gas Transp	-	-	58,030	94,746	150,000	6,558	50,000
7755 Pchp - Real Time Energy Exp-Gas	-	-	974,961	1,668,337	1,400,000	1,619,780	1,500,000
7756 Pchp - Real Time Energy - Gas Transp	-	-	116,279	171,278	150,000	129,061	150,000
7757 Pchp - Reliab Unit Cmt - Coal	-	-	-	-	50,000	-	10,000
7758 Pchp - Day Ahead Energy-Coal	-	-	-	-	50,000	-	10,000
7759 Pchp - Real Time Energy - Coal	-	-	547,869	1,641,154	325,000	1,098,691	1,500,000
Fuel & Purchased Power Total	54,041,195	67,598,265	68,002,097	59,987,648	63,062,176	66,800,455	65,383,085
SRWA							
7306 SRWA O&M Assessment	2,688,914	2,795,503	3,585,642	3,752,642	3,719,365	3,719,365	3,844,573
7307 SRWA Dbt Svc Assessment	2,178,768	2,147,493	2,152,371	2,158,034	2,159,360	2,159,360	2,090,064
SRWA Total	4,867,682	4,942,996	5,738,013	5,910,676	5,878,725	5,878,725	5,934,637
TOTAL OPERATIONS & MAINTENANCE	\$ 118,516,018	\$ 135,821,627	\$ 135,639,845	\$ 131,595,470	\$ 144,134,250	\$ 140,547,670	\$ 150,480,921
Less:							
Fuel & Purchased Power	\$ 54,041,195	\$ 67,598,265	\$ 68,002,097	\$ 59,987,648	\$ 63,062,176	\$ 66,800,455	\$ 65,383,085
SRWA Assessments	4,867,682	4,942,996	5,738,013	5,910,676	5,878,725	5,878,725	5,934,637
TOTAL APPROVED O&M BUDGET	\$ 59,607,141	\$ 63,280,365	\$ 61,899,735	\$ 65,697,146	\$ 75,193,349	\$ 67,868,489	\$ 79,163,199

Note:

Type 61 & 62 Personnel O&M Totals include \$1,664,968 and \$95,131 from other O&M Personnel Supplements for FY 2016 and 2015, respectively.

DESCRIPTION

Profile

The Brownsville PUB was formed in 1960 to provide electrical, water, and wastewater services to its customers in the Brownsville area. Pursuant to the City's Charter, management, operation, and control of the City's combined water, wastewater, and electric utilities system is delegated to the Brownsville PUB. The Brownsville PUB is comprised of seven members, six of whom are appointed by the City Commission for four-year terms and the seventh member being the City's Mayor serving ex-officio.

The Electric System provides retail electric service through its electric facilities to consumers inside and outside the city limits. The existing customer service area of the electric facilities encompasses approximately 133 square miles of Cameron County, including substantially the entire City (estimated by the Brownsville PUB as over 96%). The electric system serves a growing base of approximately 48,726 customers and serves a peak load of 305 MW. Current resources, mainly owned by the Brownsville PUB, are sufficient to cover peak demand.

The Brownsville PUB meets its power supply obligations through a combination of resources: (i) the operation of Oklaunion Unit No. 1, a coal-fired steam electric generating unit jointly owned and operated by Public Service Company of Oklahoma, AEP Texas Central Company, Oklahoma Municipal Power Authority, and the Brownsville PUB entitling the Brownsville PUB to 124 MW of capacity, (ii) the operation of the Silas Ray Power Production Facilities owned and operated by the Brownsville PUB (composed of one conventional steam turbine unit and a re-powered steam turbine in Combined Cycle with a combustion turbine and a GE LM6000 gas turbine generator for an estimated gas fired capability of 115 MW), (iii) the operation of the Calpine/Hidalgo combined cycle Power Plant in which the Brownsville PUB has an ownership interest entitling it to 105 MW of capacity, and (iv) a Power Purchase Agreement with Sendero Wind Energy, LLC entitling the Board to purchase 78 MW of renewable energy, and (v) economy energy purchases through an economy power interchange arrangement.

The Board currently has a gas transportation agreement with Texas Gas Services ("TGS"), a division of One Gas and a gas supply agreement with Tenaska Marketing Ventures ("TMV") for service to its Silas Ray Generation units, and a gas supply agreement with Calpine Energy Services, LP for service to its Calpine/Hidalgo Plant.

Fuel and transportation contracts with a variety of suppliers are in place, limiting the Brownsville PUB's exposure to the volatile fuel commodity markets.

Electric service is also provided in the unincorporated areas surrounding the City by American Electric Power (AEP, formally Central Power and Light Company) and Magic Valley Electric Cooperative, Inc. (MVEC). Each such entity also has a small number of customers inside the Brownsville city limits.

The Brownsville PUB has authority to provide electric service to customers within and outside the boundaries of the City in areas to which it is certified for electric service by the PUCT. The Brownsville PUB is singly certified in a substantial portion of its service area within the boundaries of the City and, within the area, it alone is presently authorized to provide electric service. The Brownsville PUB is also singly certified to serve the developed portion of the Port of Brownsville. While the Brownsville PUB's multiple-certified service area will not be open to new competitors unless the Brownsville PUB and the City Commission "opt in" to retail competition, the electric system competes within that area against the other utilities that have been certified in the past to provide service in that area.

In areas where the Brownsville PUB is dually or multiple-certified with other electric utilities, the Brownsville PUB, AEP and MVEC compete for electric customers. In these areas the customer chooses the utility system from which it will receive electric service. Of the approximately 133 square miles which comprise the Brownsville PUB's electric service area, competition exists within approximately 11.5 square miles. The Brownsville PUB may serve areas newly annexed by the City only if it is singly, dually, or multiple-certified by the PUCT to serve the area.

The Water System draws raw water from the Rio Grande River and consists of a river rock weir, a river pump station, two reservoirs providing 187 million gallons total capacity, and a raw water transport system. Surface water treatment is achieved by two water treatment plants providing 40 million gallons per day (MGD) of total capacity (20 MGD treatment capacity each). Two clear wells provide 6.84 million gallons storage capacity, and four elevated storage tanks provide 6 million gallons of elevated storage capacity. Water is pumped by four high-service pumping stations into the distribution system which consists of 668 miles of transmission and distribution mains. The Brownsville PUB mainly sells to residential and commercial customers, but also sells treated water on a wholesale basis to two other water distribution companies that amount to approximately 5.03% of sales. The Brownsville PUB partnered with the SRWA and built a 7.5 million gallon reverse osmosis water treatment plant of which the Brownsville PUB has 92.91% ownership. The SRWA plant completed an expansion in 2015 to provide microfiltration pretreatment and an increased total production capacity of 10 MGD. This SRWA plant includes a 7.5 million gallon storage tank.

The Brownsville PUB has an annual allocation of municipal priority water rights from the Texas Commission on Environmental Quality (TCEQ) in the amount of 31,442.381 acre-feet of water, which is dependent upon inflow to the Falcon and Amistad Reservoirs. In addition, the Brownsville PUB holds Permit No. 1838 entitling it the right to 40,000 acre-feet of surplus water.

The Brownsville PUB is subject to regulation of water quality by the TCEQ. The Brownsville PUB presently has a "Superior" water system as determined in accordance with current TCEQ regulations. The Brownsville PUB's water utility service area is subject to the certification jurisdiction of the TCEQ. The Brownsville PUB has been certified singly to provide water service within the boundaries of the City. A large portion of the area, three and one-half miles surrounding the boundaries (the "extraterritorial jurisdiction") of the City, is dually certified. There is a small water utility system (El Jardin Water Supply Corporation) whose customers are situated adjacent to or within the System. All of its treated water is supplied by the Brownsville PUB's water system.

The Wastewater System, consisting of collection and treatment facilities, includes gravity wastewater collection lines, 173 pumping/lift stations and two treatment plants. Wastewater is transported by lift stations and associated force mains to one of two wastewater treatment plants – the Robindale Plant or the South Plant. The Robindale Plant was designed to treat 5 MGD in 1980 and expanded to a capacity of 10 MGD in 1995. The Robindale renovation and expansion project completed in June 24, 2014 increased the treatment capacity to 14.5 MGD. The Robindale Plant provides secondary waste treatment utilizing a Modified Ludzack-Ettinger (MLE) process (anoxic and aerobic with an internal nitrate cycle) of activated sludge, turbo blowers (with magnetic bearings) with auto dissolved oxygen control, secondary settling, ultra-violet light system (for disinfection), effluent cascade aeration system, sludge thickening, aerobic digestion, mechanical sludge dewatering (via 2-meter belt filter press), a SCADA (Supervisory Control and Data Acquisition) system, and land disposal of sludge (Dedicated Land Disposal Site of 137 Acres). The South Plant was originally designed as a trickling filter plant with a treatment capacity of 5 MGD. In 1971, it was expanded to a capacity of 7.8 MGD and was further modified in 1978 to include complete-mix. In 2000, the plant was expanded to 12.8 MGD. The

treatment process was changed to activated sludge and the anaerobic digesters were converted to use the aerobic process. Sludge is thickened, dewatered by a belt filter press, and disposed of at a Dedicated Land Disposal (DLD) site.

The wastewater system is subject to regulation by the EPA and the TCEQ with regards to operations of the facilities and the water quality of the wastewater plants' effluent.

The Brownsville PUB has the authority to provide wastewater service both inside and outside the city limits. The Brownsville Navigation District owns and operates its own wastewater treatment facilities. There is no competition between Brownsville PUB's wastewater system and the Brownsville Navigation District since the Brownsville Navigation District operates in defined areas in which the System has no wastewater lines.

Economic Conditions and Outlook

The City of Brownsville, Texas (City) is the county seat of Cameron County. It is the southernmost city in Texas and the largest city in the Lower Rio Grande Valley. In Texas, Brownsville is second only to San Antonio in historical significance. Its location is attractive due to its close proximity to major tourism attractions, such as South Padre Island, Mexico, and the Gladys Porter Zoo.

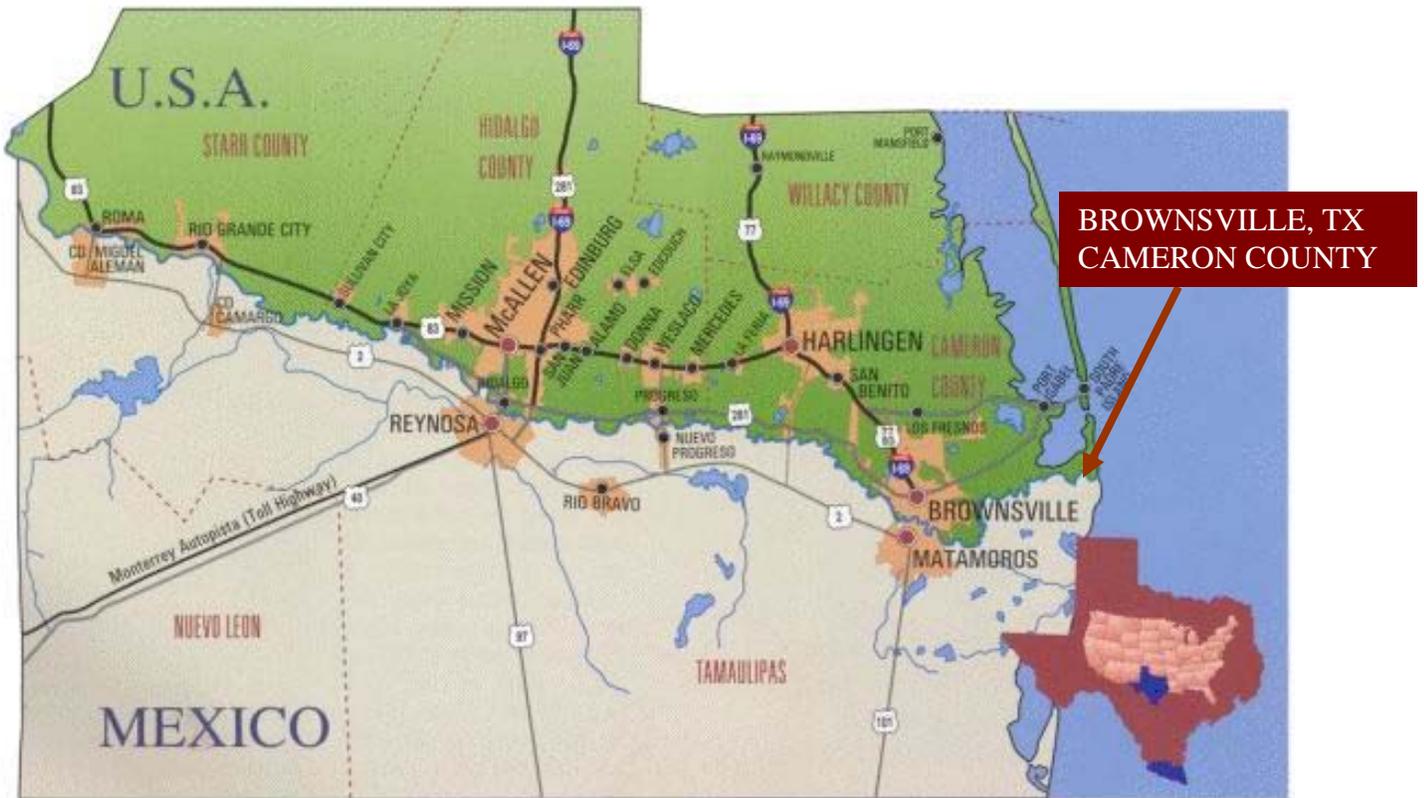
The City is located about 25 miles inland from the Gulf of Mexico, on the north bank of the Rio Grande River. Brownsville lies across the river from Matamoros, Mexico. The two cities are joined by three international bridges, and serves as a trade center for much of the Lower Rio Grande Valley.

According to the U.S. Census Bureau, Brownsville's population for 2015 was 183,887. The demographics of Brownsville's population can be summed up as young and fast growing. The median age is 29.8 years versus a national average of 37.4 years. About 44% of all persons in the City are younger than 25 years of age. Brownsville's current estimated population is approximately 183,887.

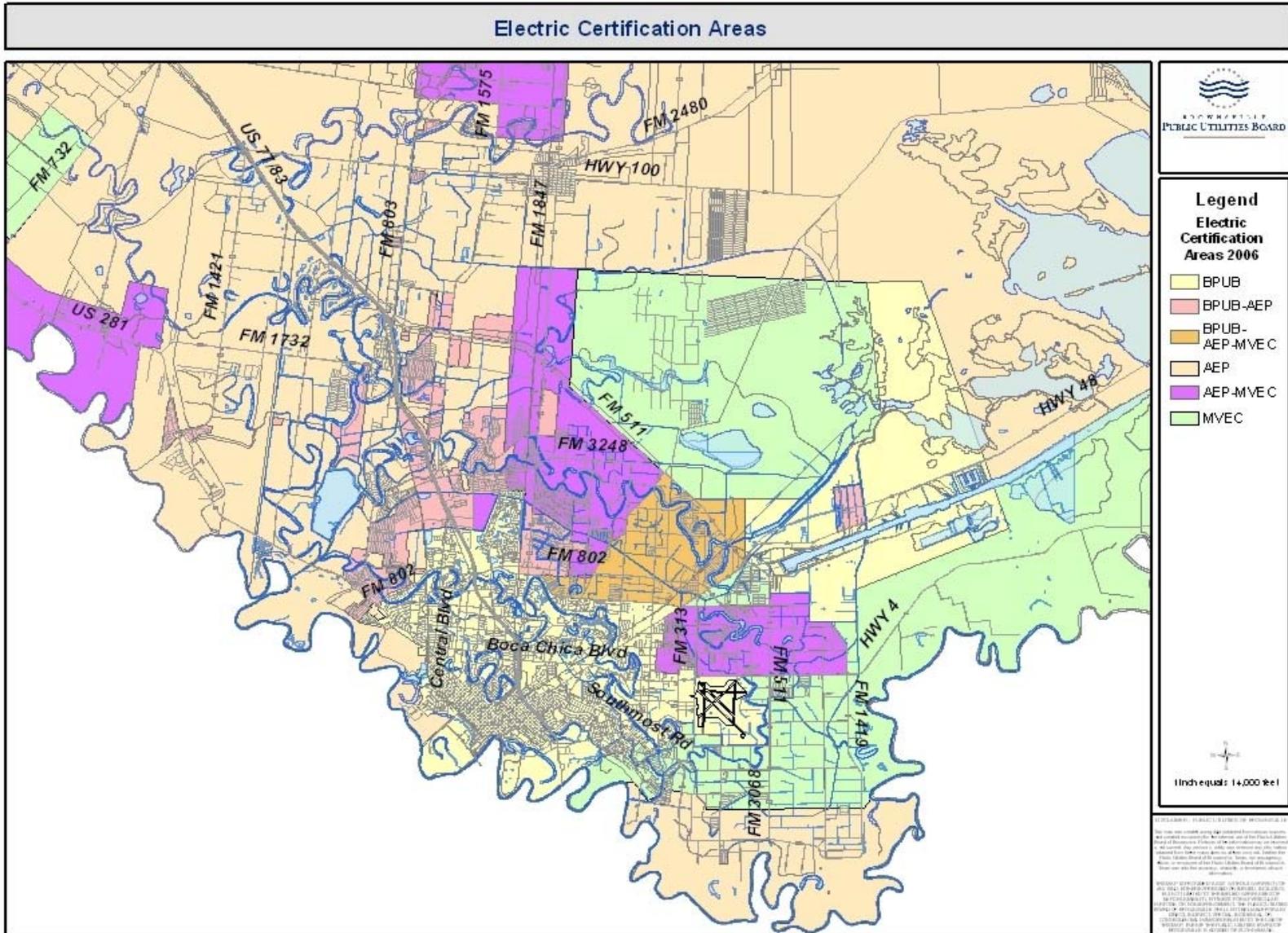
The reporting entity of the Brownsville PUB consists of the primary government and a blended component unit, Southmost Regional Water Authority (SRWA). The SRWA establishes a separate budget. The SRWA is a conservation and reclamation district created pursuant to Article XVI, Section 59, of the Texas Constitution and the Act of June 12, 1981, 67th Leg., Ch. 511, 1981 Tex. Gen. Laws 2196. The SRWA provides treated water to various areas of Cameron County.

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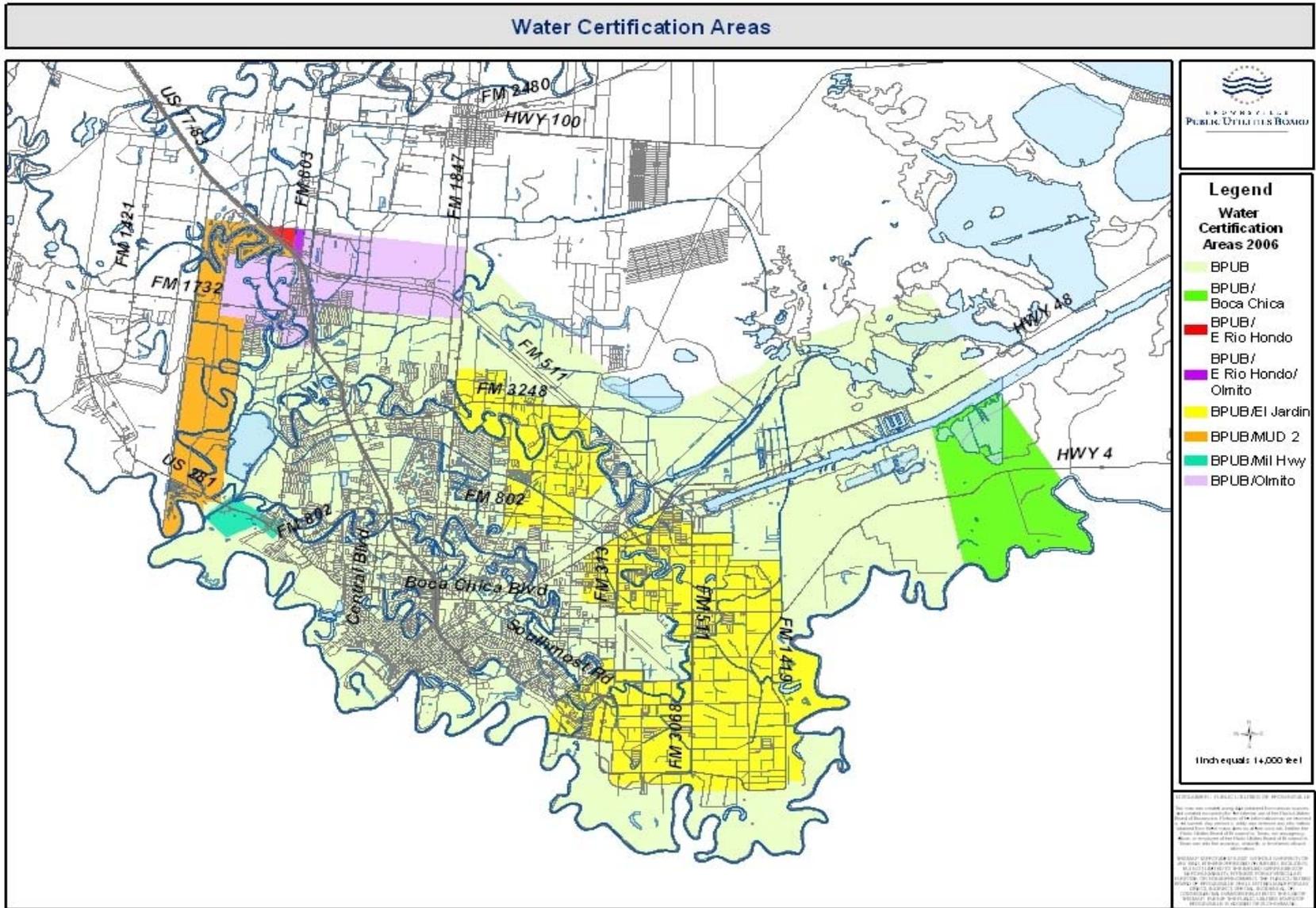
MAP INDICATING WHERE BROWNSVILLE PUB IS LOCATED



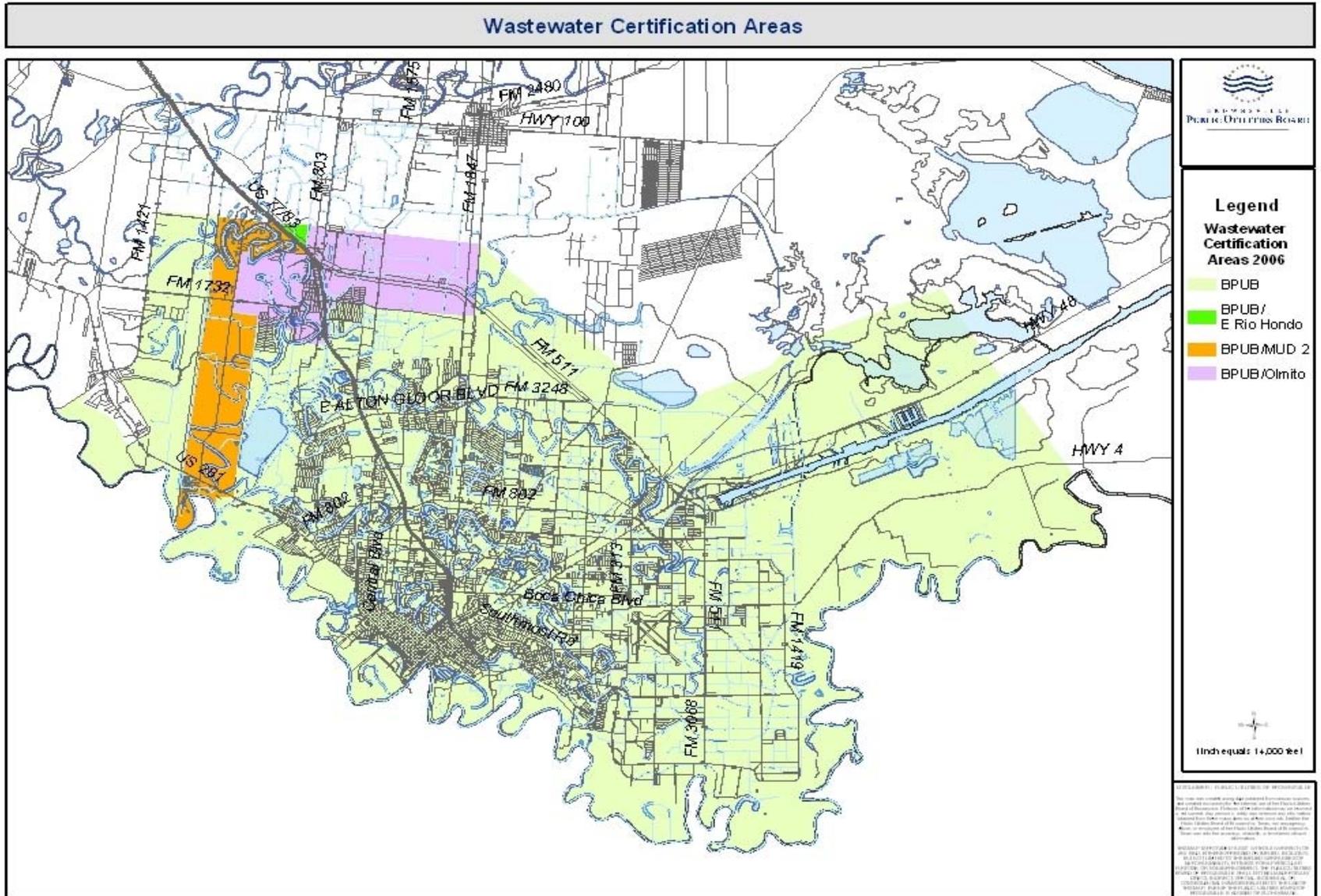
SERVICE AREA MAPS – ELECTRIC



SERVICE AREA MAP – WATER



SERVICE AREA MAP – WASTEWATER



GLOSSARY

A/P – Accounts Payable

A/R – Accounts Receivable

Account – A basis for distinguishing types of expenses or expenditures.

Accrual – The method of accounting that recognizes income when earned and expenses when incurred regardless of when cash is received or disbursed.

ACH – Automated Clearing House; name of the network used for electronic financial transactions.

AMI – Automated Metering Infrastructure

AMR – Automated Meter Reading

ARRA – American Recovery and Reinvestment Act of 2009 is a nationwide effort to create jobs, jumpstart growth and transform our economy to compete in the 21st century signed into effect February 17, 2009.

Asset – A property that has value.

AST – Above-ground storage tank

Balanced Budget – a budget in which forward expenditures for a set period are matched by expected revenues for the same period.

BANNER 8.4 – name of program used as the Financial Management Information System.

Bond – A written promise to pay a sum of money on a specific date at a specified interest rate. The interest payments and the repayments of the principal are detailed in a bond ordinance. The most common type of bonds is the general obligation (G.O.) and revenue bonds. These bonds are most frequently used for the construction costs of large capital projects, such as buildings and streets.

Bond Covenants – The issuer’s pledge, in the financing documents, to do or to avoid performing certain practices and actions.

Bond Ratings – A measure of the quality and safety of a bond, based on the issuer’s financial condition; more specifically, an evaluation from a rating service indicating the likelihood that a debt issuer will be able to meet scheduled interest and principal repayments. Typically, AAA is the highest (best), and D is the lowest (worst). The Brownsville PUB is maintaining an “A2”, as rated by Moody’s, an “A” as rated by Standard & Poor’s, and an “A” as rated by Fitch Ratings.

BPUB – Brownsville Public Utilities Board; Brownsville PUB; the Public Utilities Board; PUB; the System; the Board.

BTU – British Thermal Units; in science and engineering, a unit measurement of heat or energy.

GLOSSARY

Budget – A financial plan, generally for one fiscal year, presenting proposed expenditures and an estimate of the necessary sources of funds; the Budget Document, as prepared and presented, to the governing body.

Budget Document – The compilation of the spending plans for the various funds, along with supporting schedules, tables and charts, which, in total, comprises the annual revenue and expenditure plan.

CAFR – Comprehensive Annual Financial Report

Capital Asset – An asset with an initial, individual cost of more than \$5,000 and an estimated useful life in excess of eighteen (18) months.

Capital Budget – The portion of the budget devoted to proposed additions to capital assets.

Capital Expenditure – Capital Expenditures are those investments in property, plant, and equipment that have a useful life that is greater than one year (depreciable assets).

Capital Project – the construction, reconstruction, acquisition, and structural maintenance of buildings or real property that adds value to the utility’s system.

CBOD – Chemical Biological Oxygen Demand

CDBG – Community Development Block Grant Program (www.hud.gov/edbg).

CFO – Chief Financial Officer; in charge of managing the finances of the company.

CIP – Capital Improvement Plan; strategy of planning and prioritizing capital projects based on projected availability of resources.

Clean Water State Revolving Fund (CWSRF) - a self-perpetuating loan assistance authority for water quality improvement projects in the United States. The fund is administered by the Environmental Protection Agency and state agencies. The CWSRF, which replaced the Clean Water Act Construction Grants program, provides loans for the construction of municipal wastewater facilities and implementation of nonpoint source pollution control and estuary protection projects. Congress established the fund in the Water Quality Act of 1987.

Contribution in Aid of Construction (CIAC) – Fees that offset construction costs and developer contributed plant. These can also be cash and non-cash contributions from developers for specific projects. A primary example is the development charge on new water and wastewater connections to Utilities’ system. A development charge is assessed for connection to the water and wastewater systems to compensate existing customers for the costs of developing the current system and to help pay for the growth of the system caused by new customers.

COB Usage – City of Brownsville Usage; municipal utility services used by the City of Brownsville.

Commercial Paper (CP) - Commercial Paper Obligations means the “City of Brownsville, Texas Utilities System Commercial Paper Notes, Series A” which BPUB has authorized in a maximum aggregate principal amount of \$100,000,000.

GLOSSARY

COO – Chief Operating Officer; in charge of managing the operations of the company.

CPA – Certified Public Accountant; certification given to individual who has passed the Uniform Certified Public Accountant Examination and has met the required state education and experience requirements.

CPIM – Certificate Program in Management

CPR – Continuing Property Records System; information system used to record and keep track of the capital assets of the company.

Davis-Bacon Act - is a United States federal law which established the requirement for paying prevailing wages on public works projects. All federal government construction contracts, and most contracts for federally assisted construction over \$2,000, must include provisions for paying workers on-site no less than the locally prevailing wages and benefits paid on similar projects.

DD – Demand Deposits; ACH checks.

Debt Service – The principal repayment, interest expense, and issue costs associated with the retirement of outstanding debt.

Defeasance – Termination of the rights and interests of the trustee and bondholders under a trust agreement or indenture on final payment or provision for payment of all debt service and premiums and other costs, as specifically provided for in the trust instrument.

Department – A major administrative segment responsible for management of operating divisions, which provide services within a functional area.

Depreciation – Depreciation represents the use of capital asset over its useful life. Eventually all physical assets wear out or become obsolete. Depreciation recognizes this fact, but does not represent either an actual cash outflow or cash inflow.

Distribution – Usable portion of the delivery system coming from the substation or water plant/tank to the customer's meter.

Division – A basic organizational unit that is functionally unique and provides service under the administrative direction of a department.

Enterprise Fund – A fund established to account for operations 1) that are financed and operated in a manner similar to business enterprises, where the intent of the governing body is that the costs of providing goods and services to the general public on a continuing bases be financed or recovered primarily through user charges or 2) where the governing body has decided the periodic determination of revenues earned, expenses incurred, and/or net income is appropriate for capital maintenance, public policy, management control, and accountability of other purposes.

EPA – Environmental Protection Agency; federal government agency charged with protecting and safeguarding human health and the natural environment (www.epa.gov).

GLOSSARY

ERCOT – Electric Reliability Council of Texas; Texas State Agency in charge of directing and ensuring the reliable and cost-effective operation of the electric grid and to enable fair and efficient market driven solutions to meet the customers’ electric service needs (www.ercot.com).

ERM – Energy Risk Management

Expense – A use of financial resources to acquire goods or services consumed in a single year’s current operations.

Federal Deposit Insurance Corporation (FDIC) – An independent agency created by Congress that maintains the stability and public confidence in the nation’s financial system by insuring deposits, examining and supervising financial institutions, and managing receiverships (www.fdic.gov).

Feeder – That portion of the circuit that is protected by the breaker up to any protective device excluding branches.

Fiscal Year (FY) – A consecutive 12-month period marking the beginning and ending dates for recording financial transactions. The Brownsville PUB’s fiscal year begins October 1 and ends September 30 of the following calendar year. This is also referred to as the budget year.

FS – Financial Statements

FTE – Full Time Employee working 40 hours per week.

Fuel & Purchased Energy Charge (FPEC) – An electric cost adjustment is the mechanism that tracks and passes through to customers the actual cost of purchased fuel or purchased electricity. The Brownsville PUB meets on a monthly basis to make FPEC adjustments if actual costs vary from forecasted prices. Adjustments can be decreased or increased.

Fund Obligation – Repair and Contingency - Funds set aside for unforeseen circumstances.

FY – See “Fiscal Year”.

GASB - The Governmental Accounting Standards Board; Governmental Board organized in 1984 as an operating entity of the Financial Accounting Foundation (FAF) to establish standards of financial accounting and reporting for state and local governmental entities (www.gasb.org).

GAAP - Generally Accepted Accounting Principles; the conventions, rules, and procedures necessary to define an accepted accounting practice at a particular time. The principles have been developed on the basis of experience, custom, usage, and to a significant extent, practical necessity.

GFOA – Government Finance Officers Association; organization that enhances and promotes the professional management of governments for the public benefit by identifying and developing financial policies and practices and promoting them through education, training and leadership (www.gfoa.org).

GIS – Geographic Information System; software system that manages the geographic information of the company.

GLOSSARY

GM & CEO – General Manager & Chief Executive Officer; in charge of managing the company and reports to the Board of Directors

Grant – A legal transaction giving money or property for a specific purpose.

Gross Revenues - total amounts the organization received from all sources during its annual accounting period, without subtracting any costs or expenses.

GWH – Gigawatt hours; one billion watts.

HRSG – Heat recovery steam generator

Improvement Fund CIP Funding – deposit account used for meeting any capital improvements to the System.

Improvement Fund Surplus Revenues – deposit of any funds remaining after all debt requirements have been made.

Improvement Reserve Fund - reserve account for future CIP projects. The goal is to establish reserves of \$15,000,000, as required by City Commission Ordinance No. 2005-1438.

Interest Expense – Interest expense is the cost of borrowing funds. It is shown as a financial expense item within the income statement.

Interest From Investments – See “Investment Income”.

Investment Income –Interest and dividends from short-term and overnight investments. The Brownsville PUB invests certain cash assets in order to receive interest earnings until that cash is needed. All interest earned is recorded as investment income.

JEs – Journal Entries

JMUX – (Brand name) Electronic System used to control the fiber optic system.

Junior lien – See “lien obligations”.

Kilovolt (kV) – 1,000 volts.

Kilowatt (kW) – 1,000 watts.

Kilowatt Hour (kWh) A unit of work or energy equal to that expended by one kilowatt to one hour.

Liabilities - a liability is a debt or obligation that a company must pay. Liabilities are recorded on a company's balance sheet and can include accounts payable, taxes, wages, accrued expenses, and deferred revenues.

GLOSSARY

Lien Obligations – Security protection claim for repayment of a debt. Legal priority rights are placed on the repayment of debt. If legal remedies for repayment occur, first emphasis for repayment is Priority Obligations, then Second Lien Obligations, then Junior Lien Obligations, and then Subordinate Lien Obligations. While bonds with second or third liens are generally rated significantly lower than those with first liens, the issuer may determine that the senior-lien credit is so strong that a well-structured junior-lien bond will be rated relatively close to senior bond.

Maintenance Pool Account – account used to fund unexpected/extraordinary repairs or services that incurred during the fiscal year.

Mega Volt Ampere (MVA) – 1,000,000 volt amperes.

Megawatt (MW) – 1,000,000 watts or 1,000 kilowatts.

Megawatt hour (MWh) – 1,000 kilowatt hours.

MG – Million gallons

MGD – Million gallons per day

Mg/l – Million gallons per load

NELAP – National Environmental Laboratory Accreditation Program (www.nelac-instituting.org/newnelap.php).

Net Assets - Total assets minus total liabilities of an individual or company.

Net Earnings – Gross Revenues after deducting the O&M expenses, but not expenditures, under standard accounting practice, should be charged to capital expenditures.

Notional amount – A stated principal amount in an interest rate swap on which the swap is based.

O&M – Operations & Maintenance

Off-system Sales (wholesale sales) – Off-system or wholesale sales are electric sales outside of the system.

Oklunion - a coal-fired steam electric generating unit jointly owned and operated by Public Service Company of Oklahoma, AEP Texas Central Company, Oklahoma Municipal Power Authority, and the Brownsville PUB entitling the Brownsville PUB to 124 MW of capacity.

Operating Reserve Funds – reserve amount to pay the O&M expenses of not less than two months of budgeted O&M expenses (\$12,500,000 minimum) for the current fiscal year.

Operating Revenues – Gross Revenues with respect to any period, after deducting the O&M expenses.

GLOSSARY

Operating Subaccount – Fuel Adjustment – account to fund increases in fuel costs without passing on these differences to the customer as part of the FPEC.

Operations and Maintenance Budget (O&M Budget) – Plan of current expenditures and proposed means of financing them. The annual operating budget is the primary means by which most of the financing, acquisition, spending, and service delivery activities of the utility are controlled.

Operations and Maintenance Expense (O&M Non-personnel) – Also known as operating costs, these are the expenses of the day-to-day operations assigned to the current operating period.

Operations and Maintenance Personnel (O&M Personnel) – Cost related to compensating employees, including salaries, wages, insurance, payroll taxes, and retirement contributions.

Other Fees – fees charged to customers for a specific use or purpose, such as reconnection fees, meter fees, etc.

Other Non-Operating Expenses – Miscellaneous expenses, debt discounts/expenses and other interest expenses.

Other Non-Operating Revenues – Revenues consisting of TCI – Pole Rental charges, miscellaneous income and billing discounts.

Other Revenues – Revenues consisting of other sales, forfeited discounts (penalties), connection and service charges and TCOS charges.

P.E. – Professional Engineer; registered or licensed engineer.

PAYGO – The principle or practice of financing expenditures with surplus funds that are currently available rather than borrowed.

Personnel Market Pay Study Adjustment – Adjustments to payroll rates as a result of analysis of the most current Market Pay Study.

Plant Fund - This fund group is used to account for the acquisition, construction, and maintenance of the Systems physical plant and to control the resulting assets.

Policy – A program of actions adopted by a person, group, or government, or the set of principles on which they are based.

Polychlorinated biphenyl (PCB) – Several compounds that are produced by replacing hydrogen atoms in biphenyl with chlorine, have various industrial applications, and are toxic environmental pollutants which tend to accumulate in animal tissues.

Power Factor - The power factor of an AC electric power system is defined as the ratio of the real power flowing to the load over the apparent power in the circuit, and is a dimensionless number between 0 and 1 (frequently expressed as a percentage, e.g. 0.5 pf = 50% pf).

GLOSSARY

Proprietary Fund – Fund used to account for operations that are financed and operated in a manner similar to private business enterprises where the intent is to recover the cost of operations through user charges.

PUB – See “BPUB”.

Public Utility Commission of Texas (PUCT) – agency that regulates the rates and services of electric, water and wastewater utilities, as defined by state and Federal laws and regulations (www.puc.state.tx.us).

Purview – Scope or range.

QA – Quality assurance

QC – Quality control

Ratings – Alpha and/or numeric symbols used to give indications of relative credit quality. In the municipal market these designations are published by the investors’ rating services. Internal ratings are also used by other market participants to indicate relative credit quality.

Resaca - Resacas were former channels of the Rio Grande River. Today, they serve as water storage pools as well as habitats for waterfowl, nutria, gar and even alligators; a body of water or water body.

Revenue Bonds – Securities for which debt service payments are generated from a specific revenue source.

Reverse Osmosis – A process by which a solvent such as water is purified of solutes by being forced through a semi-permeable membrane through which the solvent, but not the solutes, may pass.

Revenue Neutral – No gain or loss in revenues.

RTU – Remote Terminal Unit

SCADA – Supervisory Control and Data Acquisition System; a computer system used to control and monitor power generation; electric, gas, and water transmission and distribution; and wastewater collection.

Senior Lien – See “lien obligations”.

Sources of Funds – The Sources of Funds identifies the origination of cash received by the Utilities to pay for the various activities of the organization. There are four major categories of cash sources: sales & services to customers, off-system sales, interest from investments, and other operating & non-operating revenues. The primary source of cash is from sales & services to customers paying for the utility services provided to them. The second largest source is from off-system sales. As needed, the Brownsville PUB generates cash through selling excess electricity outside the system. The remaining cash receipts include interest from investments and other operating & non-operating revenues.

GLOSSARY

Southmost Regional Water Authority (SRWA) – The largest such facility in Texas, the regional reverse osmosis plant uses state-of-the-art reverse osmosis (RO) technology to treat previously untapped and unusable brackish groundwater resources as an alternative water supply.

Strategic Management (Strategic Plan) – A type of management to determine mission, vision, values, goals, objectives, roles and responsibilities, timelines, etc.

Subordinate Lien – See “lien obligations”.

Substations – Electric facility where electrical energy is taken from either the transmission or sub-transmission system and transformed from a higher voltage down to a distribution voltage.

Summary Letter – The opening section of the budget, which provides the Brownsville PUB Board and public with a general summary of the most important aspects of the budget. The message explains principal budget issues against the background of financial experience in recent years, and presents the views and recommendations of the General Manager & CEO and Chief Financial Officer.

Supplemental O&M – O&M expenses separate from and in addition to the current O&M Budget. These consist of new positions, promotions and reclassifications, maintenance pool account, personnel market pay study adjustment, cost of living, and the new internal auditor positions.

Swap – A contract between two parties to swap a series of commitments over a defined period. The commitments which are exchanged are generally an obligation to make one or more payments or the right to receive one or more payments.

T&D – Transmission and Distribution

TBD – To Be Determined

TCEQ – Texas Commission for Environmental Quality is the environmental agency for the State of Texas (www.tceq.state.tx.us).

TCI – Tele-Communications Inc.; Time Warner Communications.

TCOS – Transmission Cost of Service; cost of transmission between utilities.

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GLOSSARY

TENASKA – Tenaska, based in Omaha, Neb., is one of the leading independent power producers in the U.S., with regional offices in Dallas, Denver, Pittsburgh and Calgary and Vancouver, Canada. *Forbes* magazine ranks Tenaska 35th among the largest privately-held U.S. companies, based on 2011 revenues. Tenaska and its affiliates have developed approximately 9,000 MW of natural gas-fueled and renewable power generation, and manage operations for approximately 11,000 MW of power generation consisting of 14 power plants, seven of which are owned by Tenaska in partnership with other companies and seven of which are private equity investments managed by affiliate Tenaska Capital Management, LLC. Tenaska is repeatedly listed in benchmarking studies by the Natural Resources Defense Council as having among the best fleet-wide records in the United States for controlling emissions. The company also markets natural gas, biofuels and electric power, and provides energy risk management services. Tenaska is involved in asset acquisition, fuel supply, natural gas exploration, production and transportation systems, and electric transmission development. For more information about Tenaska, visit the company's website at www.tenaska.com.

TENASKA-BROWNSVILLE GENERATION STATION – Capital Project in which BPUB will purchase a 25% share of the proposed 800 MW natural gas fueled station.

TPDES – Texas Pollutant Discharge Elimination System; refer to the following web address:
http://www.tceq.state.tx.us/permitting/water_quality/wastewater/pretreatment/tpdes_definition.html.

TSS – Total Suspended Solids

TWDB – Texas Water Development Board; state agency providing leadership, planning, financial assistance, information, and education for the conservation and responsible development of water resources for the State of Texas (www.twdb.state.tx.us).

TXDOT – Texas Department of Transportation; state agency providing safe, effective, and efficient movement of goods within the State of Texas (www.dot.state.tx.us).

UPS – Uninterruptible Power Supply

Uses of Funds – The Uses of Funds identifies how the Brownsville PUB spends the cash it receives. There are nine major categories of cash uses: electric fuel & energy costs, SRWA (the Authority), personnel O&M expenses, non-personnel O&M expenses, other non-operating expenses, debt service fund, city cash transfer, operating & improvement reserves, and CIP funding. The largest use of cash is for operational expenses (labor, fuel, and other expenses) related to the day-to-day operation and maintenance of the Brownsville PUB. The amount of operating cash used to pay for capital projects is also identified. Debt service fund represent the principal and interest payments for the outstanding and planned bond issues. The remaining uses of cash include city cash transfer and operating & improvement reserves.

UST – Underground Storage Tank.

Utility Manager System (UMS) – Software that manages the customer accounts for electric, water and wastewater utilities. The UMS is the primary billing system for the Brownsville PUB.

Vacancy Savings – Personnel account used to allow for the effects of attrition through resignations of employees and non-hiring of currently vacant positions.

Watt – The rate of work represented by a current of one ampere under a pressure of one volt and taken as the standard in the United States.

Financial Trends

These schedules contain trend information to help the reader understand how the Brownsville PUB's financial performance and well-being has changed over time.

**FINANCIAL TRENDS
BALANCE SHEETS
September 30 - Audited**

Assets	2016	2015	2014	2013 Restated	2012
Current assets:					
Cash and cash equivalents	\$ 13,866,339	\$ 17,388,130	\$ 11,550,966	\$ 11,089,986	\$ 11,373,559
Investments	32,902,513	33,272,295	39,630,676	43,527,264	39,453,439
Receivables:					
Fees and services, net of allowance for uncollectible accounts	26,884,759	27,021,238	29,279,146	35,371,699	34,849,429
Intergovernmental	1,031,803	1,726,949	1,850,811	5,791,848	985,632
Accrued interest receivable	290,539	217,446	154,031	145,707	129,441
Inventories	10,722,092	12,707,550	9,644,919	9,677,405	11,499,466
Prepays	1,237,627	818,732	777,414	939,216	1,317,468
Total unrestricted current assets	<u>86,935,672</u>	<u>93,152,340</u>	<u>92,887,963</u>	<u>106,543,125</u>	<u>99,608,434</u>
Current restricted assets:					
Cash and cash equivalents	3,741,927	1,686,638	8,944,616	7,231,902	3,579,238
Investments	145,626,918	120,925,178	101,818,933	99,224,385	113,120,376
Total restricted current assets	<u>149,368,845</u>	<u>122,611,816</u>	<u>110,763,549</u>	<u>106,456,287</u>	<u>116,699,614</u>
Total current assets	<u>236,304,517</u>	<u>215,764,156</u>	<u>203,651,512</u>	<u>212,999,412</u>	<u>216,308,048</u>
Non-current assets:					
Capital assets, net of accumulated depreciation	641,099,073	644,891,122	639,771,354	608,281,653	575,058,141
Bond issue costs and other assets	2,532,550	3,028,289	3,346,795	3,579,775	4,728,247
Total non-current assets	<u>643,631,623</u>	<u>647,919,411</u>	<u>643,118,149</u>	<u>611,861,428</u>	<u>579,786,388</u>
Total assets	<u>\$ 879,936,140</u>	<u>\$ 863,683,567</u>	<u>\$ 846,769,661</u>	<u>\$ 824,860,840</u>	<u>\$ 796,094,436</u>
Deferred Outflows of Resources					
Deferred charge on refunding	20,993,617	17,362,665	17,228,343	18,806,264	-
Deferred charge - fuel cost under recovery	-	3,110,446	-	-	-
Unrealized contributions and losses related to pensions	11,011,401	3,854,651	-	-	-
Total deferred outflows of resources	<u>32,005,018</u>	<u>24,327,762</u>	<u>17,228,343</u>	<u>18,806,264</u>	<u>-</u>
Total assets plus deferred outflows of resources	<u>\$ 911,941,158</u>	<u>\$ 888,011,329</u>	<u>\$ 863,998,004</u>	<u>\$ 843,667,104</u>	<u>\$ 796,094,436</u>

BALANCE SHEETS - Continued
September 30 - Audited

Liabilities	2016	2015	2014	2013 Restated	2012
Current liabilities:					
Accounts payable	\$ 16,229,882	\$ 17,591,319	\$ 18,516,083	\$ 21,827,511	\$ 15,444,890
Accrued vacation and sick leave	6,140,311	6,008,007	6,015,657	5,589,597	5,097,978
Due to primary government	2,748,853	2,772,669	2,362,426	1,998,710	2,190,168
Self insurance worker's compensation claims	90,870	143,657	52,999	83,754	26,259
Total unrestricted current liabilities	<u>25,209,916</u>	<u>26,515,652</u>	<u>26,947,165</u>	<u>29,499,572</u>	<u>22,759,295</u>
Current liabilities payable from restricted assets:					
Accounts payable and accrued liabilities	503,649	358,434	3,526,180	345,031	281,866
Accrued interest	1,169,743	1,262,928	1,232,647	1,271,142	1,586,207
Customer deposits	3,863,989	3,763,074	3,527,889	3,438,412	3,305,011
Current portion of revenue bonds payable	14,239,000	13,453,000	13,306,000	11,310,000	9,879,000
Commercial paper	7,000,000	-	13,000,000	4,000,000	24,450,000
Total current liabilities payable from restricted assets	<u>26,776,381</u>	<u>18,837,436</u>	<u>34,592,716</u>	<u>20,364,585</u>	<u>39,502,084</u>
Total current liabilities	<u>51,986,297</u>	<u>45,353,088</u>	<u>61,539,881</u>	<u>49,864,157</u>	<u>62,261,379</u>
Non-current liabilities:					
Revenue bonds payable net of unamortized premium and deferred refunding	331,348,392	342,796,806	336,523,002	351,175,617	311,152,557
Other post-employment benefits	8,674,722	7,866,350	6,970,707	5,848,063	5,041,550
Net pension liability	33,941,014	13,816,408	-	-	-
Self insurance worker's compensation claims	42,425	69,077	62,216	96,257	72,453
Total non-current liabilities	<u>374,006,553</u>	<u>364,548,641</u>	<u>343,555,925</u>	<u>357,119,937</u>	<u>316,266,560</u>
Total liabilities	<u>425,992,850</u>	<u>409,901,729</u>	<u>405,095,806</u>	<u>406,984,094</u>	<u>378,527,939</u>
Deferred Inflows of Resources					
Deferred credit – fuel cost over recovery	303,078	-	1,311,848	4,566,753	7,141,176
Unrealized contributions and losses related to pension	2,383,320	2,009,154	-	-	-
Total deferred inflows of resources	<u>2,686,398</u>	<u>2,009,154</u>	<u>1,311,848</u>	<u>4,566,753</u>	<u>7,141,176</u>
Total liability plus deferred inflows of resources	<u>428,679,248</u>	<u>411,910,883</u>	<u>406,407,654</u>	<u>411,550,847</u>	<u>385,669,115</u>
Net position					
Net investment in capital assets	310,655,228	308,013,036	297,471,707	271,662,239	244,561,464
Restricted	143,796,243	117,120,117	103,988,323	101,291,362	111,400,729
Unrestricted	28,810,439	50,967,293	56,130,320	59,162,656	54,463,128
Total net position	<u>483,261,910</u>	<u>476,100,446</u>	<u>457,590,350</u>	<u>432,116,257</u>	<u>410,425,321</u>
Total liabilities and net position	<u>\$ 911,941,158</u>	<u>\$ 888,011,329</u>	<u>\$ 863,998,004</u>	<u>\$ 843,667,104</u>	<u>\$ 796,094,436</u>

FINANCIAL TRENDS
STATEMENTS OF REVENUES, EXPENSES, AND CHANGES IN NET POSITION
Fiscal Years 2016 - 2012

	2016	2015	2014	2013 Restated	2012
Operating revenues:					
Sales and services charges	207,550,223	207,767,498	192,061,381	170,446,499	169,799,255
Less utilities service to the City of Brownsville, Texas	(4,804,112)	(4,809,741)	(4,839,630)	(4,274,184)	(4,228,001)
Total operating revenues	<u>202,746,111</u>	<u>202,957,757</u>	<u>187,221,751</u>	<u>166,172,315</u>	<u>165,571,254</u>
Operating expenses:					
Purchased power and fuel	65,976,964	65,220,979	66,941,752	53,915,199	48,039,343
Personnel services	49,076,784	33,302,525	32,821,858	30,615,677	27,962,188
Materials and supplies	6,960,626	7,347,093	7,376,475	7,432,636	7,276,419
Repairs and maintenance	2,666,119	2,983,094	3,688,413	2,029,564	2,794,117
Contractual and other services	24,443,206	21,521,617	19,152,582	19,319,359	18,971,803
Depreciation	29,063,661	29,507,267	28,409,046	27,366,045	23,601,822
Total operating expenses	<u>178,187,360</u>	<u>159,882,575</u>	<u>158,390,126</u>	<u>140,678,480</u>	<u>128,645,692</u>
Operating income	<u>24,558,751</u>	<u>43,075,182</u>	<u>28,831,625</u>	<u>25,493,835</u>	<u>36,925,562</u>
Nonoperating revenues (expenses):					
Investment and interest income	1,202,314	841,219	532,650	564,334	672,133
Interest expense	(14,743,208)	(14,509,231)	(15,108,927)	(15,653,933)	(15,579,814)
Operating grant revenues	-	-	-	-	-
Loss on disposition of capital assets	(1,019,326)	(3,577,605)	(1,028,494)	(116,447)	(1,417,327)
Other	457,298	1,598,769	1,212,924	(1,483,565)	(581,763)
Payments to City of Brownsville	(9,822,602)	(9,040,104)	(7,613,475)	(7,188,692)	(7,738,354)
Net nonoperating revenues (expenses)	<u>(23,925,524)</u>	<u>(24,686,952)</u>	<u>(22,005,322)</u>	<u>(23,878,303)</u>	<u>(24,645,125)</u>
Income before capital contributions	633,227	18,388,230	6,826,303	1,615,532	12,280,437
Capital contributions	<u>6,528,237</u>	<u>12,965,169</u>	<u>18,647,790</u>	<u>20,075,404</u>	<u>14,223,651</u>
Change in net position	7,161,464	31,353,399	25,474,093	21,690,936	26,504,088
Net position, beginning of year	476,100,446	457,590,350	432,116,257	410,425,321	383,921,233
Prior Period Adjustment	-	(12,843,303)	-	-	-
Net position, beginning of year as restated	<u>476,100,446</u>	<u>444,747,047</u>	<u>432,116,257</u>	<u>410,425,321</u>	<u>383,921,233</u>
Net position, end of year	<u><u>483,261,910</u></u>	<u><u>476,100,446</u></u>	<u><u>457,590,350</u></u>	<u><u>432,116,257</u></u>	<u><u>410,425,321</u></u>

Revenue Capacity

**These schedules contain information to help the reader assess the
Brownsville PUB's local revenue source.**

**REVENUE CAPACITY
AVERAGE NUMBER OF SERVICES BILLED BY UTILITY¹
LAST TEN YEARS**

FY	ELECTRIC	% CHANGE	WATER	% CHANGE	WASTEWATER	% CHANGE
2017	48,726	1.10%	49,894	0.60%	50,010	0.64%
2016	48,196	1.10%	49,598	1.23%	49,693	1.33%
2015	47,671	0.91%	48,997	1.00%	49,041	1.06%
2014	47,242	1.10%	48,510	1.11%	48,528	1.16%
2013	46,730	1.37%	47,976	1.06%	47,972	1.09%
2012	46,102	1.32%	47,477	1.76%	47,456	1.83%
2011	45,500	1.19%	46,656	1.51%	46,605	1.79%
2010	44,965	1.57%	45,963	1.82%	45,784	2.11%
2009	44,268	1.19%	45,143	1.06%	44,840	1.42%
2008	43,749	2.07%	44,670	2.19%	44,211	2.98%

¹Municipal customers not included in average number of services billed

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**REVENUE CAPACITY
REVENUES BY UTILITY - LAST TEN YEARS**

	FY 2016	FY 2015	FY 2014	FY 2013	FY 2012
ELECTRIC					
Residential	\$ 63,681,205	\$ 64,980,210	\$ 63,035,376	\$ 51,861,710	\$ 48,562,146
Commercial	68,559,278	71,696,062	68,505,305	59,576,916	54,952,907
Municipal	3,846,235	4,035,358	3,916,022	3,336,413	3,157,165
Wholesale sales	16,397,987	12,182,728	921,782	237,173	605,125
Other	7,458,124	9,325,630	9,792,100	8,925,031	16,626,285
<i>Total Electric Operating Revenues</i>	<u>\$ 159,942,829</u>	<u>\$ 162,219,988</u>	<u>\$ 146,170,585</u>	<u>\$ 123,937,243</u>	<u>\$ 123,903,628</u>
WATER					
Inside city	\$ 21,796,229	\$ 20,340,255	\$ 20,594,551	\$ 20,333,223	\$ 20,389,340
Outside city	811,938	777,023	766,496	735,224	699,401
Municipal	624,615	514,875	618,616	617,202	686,274
Other	1,111,918	1,342,068	1,162,867	1,054,328	1,032,247
Southmost Regional Water Authority	466,928	447,797	488,079	1,023,081	428,572
<i>Total Water Operating Revenues</i>	<u>\$ 24,811,628</u>	<u>\$ 23,422,018</u>	<u>\$ 23,630,609</u>	<u>\$ 23,763,058</u>	<u>\$ 23,235,834</u>
WASTEWATER					
Residential	\$ 13,728,898	\$ 13,251,741	\$ 13,578,070	\$ 14,135,642	\$ 14,128,726
Commercial	6,949,099	6,841,017	6,712,829	6,734,506	6,713,307
Municipal	333,262	259,508	304,992	320,569	384,562
Outside city	1,208,890	1,181,106	1,087,237	1,050,009	984,754
Other	575,617	592,120	577,059	505,472	448,444
<i>Total Wastewater Operating Revenues</i>	<u>\$ 22,795,766</u>	<u>\$ 22,125,492</u>	<u>\$ 22,260,187</u>	<u>\$ 22,746,198</u>	<u>\$ 22,659,793</u>
TOTAL SALES AND SERVICE CHARGES	<u><u>\$ 207,550,223</u></u>	<u><u>\$ 207,767,498</u></u>	<u><u>\$ 192,061,381</u></u>	<u><u>\$ 170,446,499</u></u>	<u><u>\$ 169,799,255</u></u>
	FY 2011	FY 2010	FY 2009	FY 2008	FY 2007
ELECTRIC					
Residential	\$ 50,187,194	\$ 47,971,715	\$ 46,515,011	\$ 53,591,810	\$ 48,956,516
Commercial	55,235,857	55,336,855	55,839,361	68,404,294	60,065,750
Municipal	3,454,302	3,420,281	3,551,221	3,953,891	3,479,751
Wholesale sales	3,124,675	5,532,956	6,268,813	19,172,024	7,923,735
Other	15,491,119	7,008,117	14,114,934	28,262,591	4,531,350
<i>Total Electric Operating Revenues</i>	<u>\$ 127,493,147</u>	<u>\$ 119,269,924</u>	<u>\$ 126,289,340</u>	<u>\$ 173,384,610</u>	<u>\$ 124,957,102</u>
WATER					
Inside city	\$ 19,901,457	\$ 17,448,496	\$ 18,909,283	\$ 18,031,651	\$ 16,866,807
Outside city	675,821	581,350	419,261	616,728	532,163
Municipal	587,860	464,828	487,526	464,790	424,542
Other	1,140,972	971,331	771,705	810,382	1,025,750
Southmost Regional Water Authority	367,143	469,462	355,486	325,247	300,892
<i>Total Water Operating Revenues</i>	<u>\$ 22,673,253</u>	<u>\$ 19,935,467</u>	<u>\$ 20,943,261</u>	<u>\$ 20,248,798</u>	<u>\$ 19,150,154</u>
WASTEWATER					
Residential	\$ 13,858,701	\$ 12,002,652	\$ 13,046,933	\$ 12,292,537	\$ 11,408,673
Commercial	6,565,949	6,171,734	6,384,964	6,222,760	6,178,300
Municipal	236,123	184,228	188,825	186,470	213,619
Outside city	1,042,823	908,149	933,894	847,091	801,959
Other	490,847	396,032	397,741	427,688	786,940
<i>Total Wastewater Operating Revenues</i>	<u>\$ 22,194,443</u>	<u>\$ 19,662,795</u>	<u>\$ 20,952,357</u>	<u>\$ 19,976,546</u>	<u>\$ 19,389,491</u>
TOTAL SALES AND SERVICES CHARGES	<u><u>\$ 172,360,843</u></u>	<u><u>\$ 158,868,186</u></u>	<u><u>\$ 168,184,958</u></u>	<u><u>\$ 213,609,954</u></u>	<u><u>\$ 163,496,747</u></u>

**REVENUE CAPACITY
UNIT SALES BY UTILITY - LAST TEN YEARS ¹**

	FY 2016	FY 2015	FY 2014	FY 2013	FY 2012
ELECTRIC SERVICE (kWh)					
Residential	564,931,382	551,304,652	567,334,136	533,303,461	550,169,186
Commercial Non-Demand	135,844,893	128,892,385	132,918,707	134,939,048	136,833,986
Municipal	39,500,507	38,995,522	39,371,016	38,895,227	38,876,114
Commercial Demand	557,349,627	554,994,514	558,708,943	570,125,749	577,866,685
Other	2,403,423	2,227,059	2,226,006	2,232,972	2,234,448
<i>Total Electric Unit Sales</i>	<u>1,300,029,832</u>	<u>1,276,414,132</u>	<u>1,300,558,808</u>	<u>1,279,496,457</u>	<u>1,305,980,419</u>
WATER SERVICE - 1,000 GALLONS					
Inside City	5,560,741	5,281,931	5,753,783	6,294,433	6,269,037
Outside City	155,104	148,956	155,398	161,450	150,957
Municipal	158,741	122,006	176,477	189,804	223,176
Other	465,077	461,178	506,676	555,452	582,502
<i>Total Water Unit Sales</i>	<u>6,339,663</u>	<u>6,014,071</u>	<u>6,592,334</u>	<u>7,201,139</u>	<u>7,225,672</u>
WASTEWATER SERVICE - 1,000 GALLONS					
Residential	2,709,033	2,554,154	2,795,399	3,036,404	3,024,487
Commercial	1,601,296	1,560,177	1,604,591	1,677,306	1,659,010
Municipal	78,448	58,998	74,464	80,169	98,579
Outside City	111,277	106,175	118,228	122,924	118,546
Other	-	-	-	3,671	6,197
<i>Total Wastewater Unit Sales</i>	<u>4,500,054</u>	<u>4,279,504</u>	<u>4,592,682</u>	<u>4,920,474</u>	<u>4,906,819</u>
	FY 2011	FY 2010	FY 2009	FY 2008	FY 2007
ELECTRIC SERVICE					
Residential	550,421,195	528,459,863	500,830,035	492,440,123	482,667,057
Commercial Non-Demand	136,117,506	131,502,719	131,592,355	151,550,919	144,469,924
Municipal	39,038,235	38,912,608	38,693,875	37,337,658	35,891,236
Commercial Demand	552,274,846	547,906,595	538,603,116	553,765,276	556,660,013
Other	2,188,674	2,183,004	2,156,058	2,210,427	2,249,019
<i>Total Electric Unit Sales</i>	<u>1,280,040,456</u>	<u>1,248,964,789</u>	<u>1,211,875,439</u>	<u>1,237,304,403</u>	<u>1,221,937,249</u>
WATER SERVICE					
Inside City	6,431,432	5,488,648	6,117,159	5,802,459	5,425,569
Outside City	159,187	138,846	147,236	127,173	124,426
Municipal	190,732	129,757	153,402	130,520	128,075
Other	576,616	524,299	581,193	491,686	520,179
<i>Total Water Unit Sales</i>	<u>7,357,967</u>	<u>6,281,550</u>	<u>6,998,990</u>	<u>6,551,838</u>	<u>6,198,249</u>
WASTEWATER SERVICE					
Residential	3,102,690	2,605,256	2,930,048	2,770,296	2,513,955
Commercial	1,703,770	1,597,067	1,654,968	1,600,161	1,546,491
Municipal	60,720	45,905	47,571	48,953	56,673
Outside City	125,817	107,481	117,281	103,510	94,591
Other	6,861	8,248	8,579	7,333	10,275
<i>Total Wastewater Unit Sales</i>	<u>4,999,858</u>	<u>4,363,957</u>	<u>4,758,447</u>	<u>4,530,253</u>	<u>4,221,985</u>

¹ Excludes Public Utilities Board's usage

**REVENUE CAPACITY
TEN YEAR RATE ANALYSIS
RESIDENTIAL RATES**

2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
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ELECTRIC ¹										
Customer Service Charge	\$ 6.94	\$ 6.49	\$ 6.01	\$ 5.62	\$ 5.25	\$ 3.53	\$ 3.53	\$ 2.53	\$ 2.53	\$ 2.53
Energy Charge										
First 500 kWh	0.05420	0.05241	0.05022	0.04862	0.04708	0.04708	0.04708	0.04708	0.04708	0.04708
Over 500 kWh	0.07688	0.07058	0.06458	0.05964	0.05479	0.05152	0.04708	0.04708	0.04708	0.04708
Fuel & Purchased Power	0.02952	0.03401	0.04500	0.05096	0.04000	0.03200	0.04200	0.03500	0.04000	0.07000

WATER (Inside City) ²										
0-3,000 gallons	1.98	1.87	1.80	1.73	1.63	1.63	1.55	1.55	1.55	1.55
4,000-9,000 gallons	2.19	2.07	1.99	1.91	1.80	1.80	1.71	1.71	1.71	1.71
10,000 to 16,000 gallons	2.7	2.55	2.45	2.36	2.23	2.23	2.12	2.12	2.12	2.12
Over 16,000 gallons	4.08	3.85	3.70	3.56	3.36	3.36	3.20	3.20	3.20	3.20
Customer Service Charge 5/8x3/4 Water Meter Size	12.06	11.38	10.94	10.52	9.93	9.93	9.47	9.47	9.47	9.47

WATER (Outside City) ²										
0-3,000 gallons	2.97	2.81	2.70	2.68	2.65	2.65	2.52	2.52	2.52	2.52
4,000-9,000 gallons	3.29	3.11	2.98	2.95	2.93	2.93	2.79	2.79	2.79	2.79
10,000 to 16,000 gallons	4.05	3.83	3.68	3.10	3.05	3.05	2.90	2.90	2.90	2.90
Over 16,000 gallons	6.12	5.78	5.55	4.60	4.56	4.56	4.34	4.34	4.34	4.34
Customer Service Charge 5/8 x 3/4 Water Meter Size	18.12	17.09	16.43	15.8	14.90	14.90	14.21	14.21	14.21	14.21

SEWER (Inside City) ³										
Rate per 1,000 gallons	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0-7,000 gallons	3.43	3.43	3.43	3.30	3.29	3.29	3.13	3.13	3.13	3.13
over 7,000 gallons	3.76	3.76	3.76	3.62	3.57	3.57	3.40	3.40	3.40	3.40
Customer Service Charge 5/8 x 3/4 Water Meter Size	7.48	7.48	7.48	7.19	7.17	7.17	6.84	6.84	6.84	6.84

SEWER (Outside City)										
Rate per 1,000 gallons	\$ 5.65	\$ 5.65	\$ 5.65	\$ 5.43	\$ 5.36	\$ 5.36	\$ 5.10	\$ 5.10	\$ 5.10	\$ 5.10
Customer Service Charge 5/8 x 3/4 Water Meter Size	11.22	11.22	11.22	10.79	10.75	10.75	10.26	10.26	10.26	10.26

¹ Electric rates were tiered effective fiscal year 2012.

² Water rates were tiered effective fiscal year 2006.

³ Wastewater rates were tiered effective March 2007.

Note: The City Commission of the City of Brownsville, Texas is vested with the right to set utility rates.

Debt Capacity

These schedules present information to help the reader assess the Brownsville PUB's debt burden and its ability to issue additional debt in the future.

DEBT CAPACITY
COMPUTATION OF DEBT SERVICE COVERAGE - LAST TEN YEARS¹

	FY 2016	FY 2015	FY 2014	FY 2013	FY 2012
OPERATING INCOME	\$33,093,794	\$41,883,847	\$27,256,483	\$21,947,648	\$32,747,013
ADD:					
Depreciation Expense	28,132,537	28,642,402	27,544,181	26,503,185	22,739,173
Investment & Other Income	1,163,964	815,942	504,537	546,098	654,057
LESS:					
Interest on Construction Funds	(193,527)	(128,019)	(94,376)	(8,823)	(13,501)
NET AVAILABLE INCOME	<u>\$62,196,768</u>	<u>\$71,214,172</u>	<u>\$55,210,825</u>	<u>\$48,988,108</u>	<u>\$56,126,742</u>
DEBT SERVICE:					
Revenue Bonds Payable Current	\$12,173,000	\$12,066,000	\$10,100,000	\$8,649,000	\$8,277,000
Total Interest Expense	13,747,956	13,538,613	14,275,285	15,310,103	14,399,174
Operating Reserve	-	-	-	-	-
Commercial Paper Interest Expense	17,902	13,671	5,929	14,356	39,891
Capital Improvement Charges	-	-	-	-	-
NET CASH DEBT SERVICE	<u>\$25,938,858</u>	<u>\$25,618,284</u>	<u>\$24,381,214</u>	<u>\$23,973,459</u>	<u>\$22,716,065</u>
DEBT SERVICE COVERAGE (TIMES)	2.40	2.78	2.26	2.04	2.47
	FY 2011	FY 2010	FY 2009	FY 2008	FY 2007
OPERATING INCOME	\$27,225,798	\$31,287,495	\$22,931,849	\$37,916,668	\$27,381,991
ADD:					
Depreciation Expense	27,407,627	24,695,565	23,805,841	22,832,955	21,902,616
Investment & Other Income	611,866	829,400	1,789,499	4,054,857	6,732,065
LESS:					
Interest on Construction Funds	(41,141)	(54,790)	(211,610)	(896,336)	(2,436,113)
NET AVAILABLE INCOME	<u>\$55,204,150</u>	<u>\$56,757,670</u>	<u>\$48,315,579</u>	<u>\$63,908,144</u>	<u>\$53,580,559</u>
DEBT SERVICE:					
Revenue Bonds Payable Current	\$7,856,000	\$7,530,000	\$6,779,000	\$7,903,000	\$8,099,000
Total Interest Expense	14,829,065	15,186,316	15,216,696	13,681,885	13,468,041
Operating Reserve	-	-	-	-	-
Commercial Paper Interest Expense	36,668	34,755	-	814,654	1,520,835
Capital Improvement Charges	-	-	-	-	-
NET CASH DEBT SERVICE	<u>\$22,721,733</u>	<u>\$22,751,071</u>	<u>\$21,995,696</u>	<u>\$22,399,539</u>	<u>\$23,087,876</u>
DEBT SERVICE COVERAGE (TIMES)	2.43	2.49	2.20	2.85	2.32

¹Excludes Southmost Regional Water Authority and fuel supplement paid from restricted fuel adjustment subaccount.

Demographic and Economic Information

This schedule offers demographic and economic indicators to help the reader understand the environment in which the Brownsville PUB's financial activities take place

GENERAL INFORMATION REGARDING THE CITY

The information contained herein is relative to the City and the System service area is intended solely to provide a general description of the community served by the System and to provide certain information concerning the City.

GENERAL

The City is the county seat of Cameron County, Texas. It is the southernmost city in Texas and the largest city in the lower Rio Grande Valley. The City is located about 23 miles inland from the Gulf of Mexico, on the north bank of the Rio Grande River directly across from Matamoros, Mexico, which it joins by three international bridges. The City serves as a trade center for much of the lower Rio Grande Valley.

The City has a semi-arid, subtropical climate. The lower Rio Grande Valley has rich, fertile delta soil, much of which is irrigated. Crops consist of vegetables, cotton, grain, sugar cane and citrus. The vegetation is typical of the tropics with palms, bougainvillea, poinciana and many other flowering trees and plants. Throughout the area are citrus orchards, which bloom in February and ripen in October. It has not snowed in the City since 2004 and seldom freezes. Weather characteristics of the City are 75 degrees mean average temperature (67 average in winter, 83 average in summer); 25.4 inch average rainfall; 10 mph average wind velocity; average elevation 57 feet above sea level; and 66 percent relative humidity.

POPULATION

The lower Rio Grande Valley consists of Cameron, Hidalgo, Starr and Willacy Counties with an area of approximately 4,200 square miles and a population of over 1,300,000 based on 2015 estimated census information. Winter residents increase the population substantially. The table below sets forth the population of the City, as reported in the Federal censuses covering the last six decades.

POPULATION STATISTICS

<u>YEAR</u>	<u>BROWNSVILLE</u>	<u>CAMERON COUNTY</u> ⁽²⁾
2014	181,860	419,191
2015	183,046	419,893
2016	184,865	422,135

⁽¹⁾ Estimate from US Census Bureau

⁽²⁾ US Census Bureau, Texas Department of State Health Services

INDUSTRIAL DEVELOPMENT

The major portion of the City's industrial jobs and related payroll has materialized since 1971. Industrial manufacturing is rapidly becoming the primary base of economic growth, causing additional residential and commercial development.

Industries which are represented in the City include offshore drilling platforms, chemicals, electronics, communications components, ship dismantling, shrimp processing, paper and plastic bags, fluorspar, engineering, industrial engines, tool-die service, plastic injection molding, industrial services, and the manufacturing of fiberglass swimming pool accessories, corrugated boxes, utility buildings, marble vanities, fiberglass boats, appliances, automotive products, drill bits, apparel, fire and safety equipment and shrimp boats. A sampling of corporations includes Carling Technologies, Inc., CK Technologies, CTS Corporation, Dipasa US Inc., Fisher Dynamics, General Motors Corp., Gobar Systems, Keppel AmFels, National Electric Coil Division, ORC Industries, Polibrid Coatings, SaintGobain Corporation, Tella Tool, and Trico Products Corporation.

The following companies either started up or expanded operations in Brownsville/Matamoros:

Airpax Corporation (N.A. Philips)	AMFELS, Inc.
Antique Street Lamps, Inc.	AT&T Microelectronics
Border Alliance, SA de CV (Subcontractor)	Breed Automotive
Butternut Electronics	Eaton Corporation
FAMSA (Mitsubishi International Corp.)	Fort Brown Manufacturing
Gateway Services, Inc.	Levi Strauss & Co.
Hunter Fan, Inc.	Magnetek-Louis Allis Motor Controls
Magnetek-Hesgon Division	Austin Star Detonator
Magnetek-National Electric Coil	Northern Electric (NECO)
Magnetek-Universal Div.	Olson Metal Products
Nova/Link (shelter/subcontractor)	Rapid Design Service, Inc.
Panasonic Industrial Corp	Unique Molded Products
Yount Int'l, Ltd. (subcontracting)	Roca Construction
RGV Shelter Assoc. (Shelter)	Summit Polymers
Rohm & Haas Latin America, Inc.	Teccor Electronics (Ranco)
Synchro Mechanisms of America	Trico Technologies Corporation
Therma-Tru Corp.	Space-X

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The following table lists the principal employers in the System service area.

MAJOR EMPLOYERS CITY OF BROWNSVILLE

	<u>NAME</u>	<u>CLASSIFICATION</u>	<u>EMPLOYEES</u>
1	Brownville ISD	Education	7214
2	Cameron County	Government	1950
3	UT Rio Grande Valley	Education	1734
4	Keppel Amfels	Manufacturing	1650
5	Wal-Mart	Retail	1413
6	Abundant Life Home Health	Medical	1300
7	City of Brownsville	Government	1230
8	Caring For You Home Health	Medical	1200
9	H-E-B Grocery	Retail	975
10	Maximus	Call Center	950

Source: City of Brownsville & Brownsville Economic Development Council (September 2016)

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THE BROWNSVILLE NAVIGATION DISTRICT AND THE PORT OF BROWNSVILLE

The Port of Brownsville, the only deepwater port located on the U.S. and Mexico border, provides a full range of services to ensure efficient and timely cargo delivery worldwide. With abundant land for development and seventeen miles of waterfront access, the Port of Brownsville offers easy access to non-congested international bridge crossings and rail connections to your ultimate destination.

FACILITIES

- Approximately 40,000 acres of land
- 635,000 sq. ft. covered storage
- 3+ million sq. ft. open storage
- 13 cargo docks
- 5 liquid cargo dock

M-10 HIGHWAY DESIGNATION

The Port is designated as part of the M-10 Marine Highway corridor. This allows the Port to provide an economical method of transporting cargo with service routes from the Port of Brownsville along the newly designated M-10 Marine Highway.

MEXICO IMPORT/EXPORT EXPERTS

The Port of Brownsville provides excellent services to facilitate the international movement of goods between the United States and Mexico. The Port has the facilities and the knowledge to handle international cargo efficiently.

LOCATION

The Port is located at the southernmost tip of Texas at the westernmost terminus of a 17 mile (27 kilometer) channel that flows into the Gulf of Mexico at the Brazos Santiago Pass. The City of Brownsville is two miles (3.3 kilometers) to the southwest and lies adjacent to the Rio Grande River, providing a convenient gateway via three international bridges to Mexico and beyond.

MAIN CHANNEL DEPTH

The Brownsville Ship Channel has an authorized depth of 42 feet. The Turning Basin, has a depth of 36 feet and a width of 1,200 feet.

LAND AVAILABLE FOR DEVELOPMENT

The Port owns approximately 40,000 acres (16,187 hectares) of land available for development. Developed and undeveloped sites are available in the Port's Turning Basin for cargo facilities, industrial sites, expansion, relocation, manufacturing, greenfield projects, and more.

PRIMARY CARGOES

Steel Products: slabs, coils, plates, beams, iron ore, steel pipe, billets, pig iron, wire rod, ingots, briquettes, chrome ore

Liquid Cargo: lubricants, diesel, gasoline, fuel oil #6, jet fuel, naphtha, wax, vacuum gas oils

Breakbulk Cargo: limestone, asphalt, minerals

Other: grain, barite, bauxite, petroleum coke, aluminum, scrap metals, electrical poles, windmill components, etc.

OTHER PORT AREA SERVICES

Bunkering/Fuel; Construction and Refurbishing of Offshore Drilling Rigs, Domestic and International Container service; Bulk Terminaling for Miscellaneous Liquids; Ship Repairing and Dismantling/Recycling; Breakbulk/Heavy Lift/Project Cargo; Steel Fabrication, Boat Construction; Grain Handling and Storage; LPG Storage/Distribution; Crane Maintenance and Repair; Environmental & Waste Services; Marine Equipment/Supplies; and Towing & Tug Services.

MULTIMODAL ACCESS

The Port of Brownsville offers multiple modes of transportation which include ocean-going vessels, all major U.S. and Mexican truck lines, rail service, barge service via the U.S. Intracoastal and Inland Waterway System, short-sea shipping via the M-10 Marine Highway, pipeline access to U.S. and Mexican terminals, and air freight service at the Brownsville/South Padre Island International Airport.

OVERWEIGHT CORRIDOR

In order to facilitate the movement of cargo to and from Mexico, the Port of Brownsville, in conjunction with the Texas Department of Transportation, issues permits online to shippers allowing them to load their trucks to the legal weight limits of Mexico. The permits cover truck movements between the Veterans International Bridge and the Port of Brownsville via International Boulevard (SH 48). This provides the most efficient and cost-effective movement of cargo by trucks to destinations in Mexico.

FISHING HARBOR

Located on the north side of the Brownsville Ship Channel, about five miles (8.1 kilometers) east of the Turning Basin, is the Fishing Harbor, a unique asset at the Port. The Fishing Harbor consists of three 14-foot (4.2 meters) deep basins and over 10,000 linear feet (3,280 meters) of docks, which house up to 500 fishing boats that call the Port of Brownsville home.

BROWNSVILLE & RIO GRANDE INTERNATIONAL RAILWAY (BRG)

The Brownsville & Rio Grande International Railway (BRG) provides efficient and reliable rail service to all businesses at the Port of Brownsville. Operations are 24 hours per day, 6 days per week. The BRG offers direct interchange with Union Pacific Railroad (UP), Burlington Northern

Santa Fe (BNSF) and Kansas City Southern de Mexico (KCSM). KCSM serves as UP's intermediate switch to and from Mexico.

FOREIGN TRADE ZONE

On October 20, 1980, U. S. Customs created Foreign Trade Zone ("FTZ") Number 62 with the District as the Grantee and operator. There is a total of 2,680 acres available for FTZ status at the Port of Brownsville, the Brownsville/South Padre Island International Airport, the Harlingen Industrial Park, the Los Indios Industrial Park/FINSA Industrial Park, and the NAFTA Industrial Park. The District receives fees from tenants utilizing the District's zone status. There are currently six Foreign Trade Zone tenants operating within the FTZ with general purpose warehousing and liquid bulk storage available.

TOURISM

Tourism is one of the area's biggest industries. The City ranks among the top five cities in Texas for long and short term stays, with the Rio Grande Valley as the number one area in the State of Texas as a destination point for automobile tourist traffic entering Texas. The City area has twenty-nine hotels and motels with 1,740 rooms and two country clubs. Vacationers are attracted by subtropical climate, proximity to Mexico and access to South Padre Island. In addition to a rich historical past, the City has one of the finest zoos in the nation, the Gladys Porter Zoo, donated by the Sams Foundation. Also the Laguna-Atascosa Wildlife Refuge, Confederate Air Force Flying Museum and the Port Isabel Lighthouse are open for tourists.

TRANSPORTATION

The City is the only location on the U.S./Mexico border offering all modes of transportation including highway, air, railroad and waterborne. The City is the terminus of U.S. Highways 77/83 and 281. Three international bridges, B&M (a privately-owned bridge), Gateway International, and Veteran's International, owned by Cameron County, connect the City with Matamoros, Mexico. Several bus companies, including Greyhound Bus Line, Valley Transit and El Expreso, and motor freight carriers also serve the area. Two international airports are within a 30-mile area; the Brownsville/South Padre Island International Airport, serviced by American Airlines and United Airlines, and the Valley International Airport, serviced by Southwest Airlines and United Airlines. Air cargo is provided by FedEx, DHL, United Cargo and Southwest Airlines Cargo.

Railroad needs are met by Union Pacific and Ferrocarriles Nacionales de Mexico.

Waterborne shipping is provided through the Port to domestic and foreign destinations by barge and deep water vessels.

EDUCATIONAL FACILITIES

The City is encompassed by the Brownsville Independent School District ("BISD"). The BISD is currently comprised of 7 high schools, 11 middle schools, 37 elementary schools and 3 alternative learning centers. In addition to the public schools, there are several private schools ranging from kindergarten through high school available in the City. St. Joseph's Academy, its most prominent parochial school, provides education from 7th to 12th grades.

SECONDARY EDUCATION

Institutions of higher learning within a 60-mile radius of the City include the University of Texas Rio Grande Valley which has campuses in Brownsville and Edinburg.

Texas State Technical Institute (“TSTC”), located in Harlingen (25 miles from the City), opened in 1967 as a member of the James Connally Technical Institute of Texas A&M University. In 1969, the colleges separated from Texas A&M and took the name Texas State Technical Institute. In 1991, the system took its current name. The system includes four Texas colleges and serves more than 10,000 students. TSTC is a state-supported technical college system, with a mission of preparing its students to enter the workforce ready to meet the high-tech challenges of today’s industry. The college’s administration actively works with representatives of companies who have specific labor training needs in order to design training courses which meet the requirements of each company.

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**DEMOGRAPHIC STATISTICS
LAST TEN FISCAL YEARS**

Fiscal Year	Population*	Per Capita Income	(Thousand's of Dollars) Personal Income	Median Age	Education Level in Years of Formal Schooling	Public School Enrollment	Unemployment Rate
2016	184,865	14,489	2,678,509	30.6	64.1%-High School 17.5%-Bachelor's Degree	47,749	6.60%
2015	183,046	14,124	2,585,342	29.8	63.1%-High School 17.2%-Bachelor's Degree	47,717	6.50%
2014	181,860	14,167	2,576,411	29.3	64.3%-High School 18.4%-Bachelor's Degree	48,248	8.10%
2013	180,097	13,556	2,441,395	29.5	61.8%-High School 15.7%-Bachelor's Degree	49,274	10.30%
2012	175,023	12,900	2,257,797	29.5	60.3%-High School 15.0%-Bachelor's Degree	49,271	10.50%
2011	175,023	12,917	2,260,772	29.5	60.2%-High School 15.6%-Bachelor's Degree	49,587	12.40%
2010	175,023	11,824	2,069,472	27.0	59.5%-High School 15.2%-Bachelor's Degree	49,835	11.60%
2009	176,859	11,623	2,055,632	27.6	58.5%-High School 15.8%-Bachelor's Degree	49,605	10.90%
2008	172,806	11,685	2,019,238	26.9	57.9%-High School 15.2%-Bachelor's Degree	49,082	7.50%
2007	172,437	11,161	1,924,569	26.9	57.9%-High School 15.2%-Bachelor's Degree	48,799	5.90%

*Population Estimates U.S. Census Bureau

SOURCES:

Brownsville Independent School District

U.S. Census Bureau

U.S. Bureau of Economic Analysis

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Operating Information

These schedules contain service and infrastructure data to help the reader understand how the information in the Brownsville PUB's Budget and CAFR relate to the service Brownsville PUB provides and the activities it performs

**OPERATING INFORMATION
EXPENSES BY UTILITY – LAST TEN YEARS**

	FY 2016	FY 2015	FY 2014	FY 2013
ELECTRIC				
Generation and Purchases for Resale	\$ 73,645,545	\$ 72,523,667	\$ 73,010,092	\$ 58,343,217
Transmission and Distribution	6,912,082	6,499,004	6,284,873	6,305,706
Administrative and General	34,583,521	21,524,432	20,437,763	20,656,916
Depreciation	15,069,917	14,887,881	14,768,870	14,793,412
Total Electric Operating Expenses	<u>\$ 130,211,065</u>	<u>\$ 115,434,984</u>	<u>\$ 114,501,598</u>	<u>\$ 100,099,251</u>
WATER				
Plant Operations	\$ 5,129,025	\$ 5,581,020	\$ 6,397,130	\$ 5,649,170
Transmission and Distribution	3,082,104	2,901,226	2,743,060	2,565,614
Administrative and General	7,250,855	5,141,431	5,325,225	4,748,131
Depreciation	5,116,669	5,622,967	5,543,534	5,345,962
Total Water Operating Expenses	<u>\$ 20,578,653</u>	<u>\$ 19,246,644</u>	<u>\$ 20,008,949</u>	<u>\$ 18,308,877</u>
WASTEWATER				
Plant Operations	\$ 6,526,539	\$ 6,417,406	\$ 6,656,181	\$ 6,138,037
Transmission and Distribution	837,287	1,160,632	920,364	764,006
Administrative and General	7,667,223	5,502,973	5,431,148	5,171,407
Depreciation	7,945,949	8,131,553	7,231,777	6,363,811
Total Wastewater Operating Expenses	<u>\$ 22,976,998</u>	<u>\$ 21,212,564</u>	<u>\$ 20,239,470</u>	<u>\$ 18,437,261</u>
SOUTHMOST REGIONAL WATER AUTHORITY				
Administration and General	\$ 3,489,520	\$ 3,123,518	\$ 2,775,244	\$ 2,970,231
Depreciation	931,124	864,865	864,865	862,860
Total SRWA Operating Expenses	<u>\$ 4,420,644</u>	<u>\$ 3,988,383</u>	<u>\$ 3,640,109</u>	<u>\$ 3,833,091</u>
TOTAL OPERATING EXPENSES	<u>\$ 178,187,360</u>	<u>\$ 159,882,575</u>	<u>\$ 158,390,126</u>	<u>\$ 140,678,480</u>
OTHER NONOPERATING REVENUES (EXPENSES)¹	<u>\$ (14,102,922)</u>	<u>\$ (15,646,848)</u>	<u>\$ (14,391,847)</u>	<u>\$ (16,689,611)</u>

¹ Excludes payments to City of Brownsville

FY 2012	FY 2011	FY 2010	FY 2009	FY 2008	FY 2007
\$ 54,353,235	\$ 60,519,100	\$ 64,165,188	\$ 67,454,789	\$ 101,176,542	\$ 67,165,042
6,347,120	5,464,375	4,624,680	4,611,675	3,920,988	3,486,094
18,697,201	16,918,463	16,366,264	16,376,681	13,236,701	12,397,626
13,373,507	16,331,733	14,662,285	13,961,232	13,622,466	12,647,117
<u>\$ 92,771,063</u>	<u>\$ 99,233,671</u>	<u>\$ 99,818,417</u>	<u>\$ 102,404,377</u>	<u>\$ 131,956,697</u>	<u>\$ 95,695,879</u>
\$ 4,993,739	\$ 4,707,258	\$ 3,432,591	\$ 3,870,958	\$ 3,122,381	\$ 2,782,802
2,514,676	2,655,300	2,426,368	2,584,580	2,110,791	1,897,290
4,081,484	3,961,827	3,875,983	3,916,202	5,438,548	5,131,917
3,766,336	3,941,128	4,286,330	4,420,121	4,138,811	3,791,008
<u>\$ 15,356,235</u>	<u>\$ 15,265,513</u>	<u>\$ 14,021,272</u>	<u>\$ 14,791,861</u>	<u>\$ 14,810,531</u>	<u>\$ 13,603,017</u>
\$ 5,967,684	\$ 6,117,905	\$ 5,539,157	\$ 5,586,811	\$ 5,039,214	\$ 4,116,603
804,846	967,001	1,382,386	1,103,481	1,117,675	930,871
4,696,229	4,703,383	4,536,291	4,505,516	5,962,321	5,305,607
5,599,330	7,134,766	5,746,950	5,424,488	5,071,678	5,464,491
<u>\$ 17,068,089</u>	<u>\$ 18,923,055</u>	<u>\$ 17,204,784</u>	<u>\$ 16,620,296</u>	<u>\$ 17,190,888</u>	<u>\$ 15,817,572</u>
\$ 2,587,656	\$ 2,437,963	\$ 2,322,669	\$ 2,727,667	\$ 2,461,614	\$ 2,325,001
862,649	862,355	859,740	857,645	858,151	868,275
<u>\$ 3,450,305</u>	<u>\$ 3,300,318</u>	<u>\$ 3,182,409</u>	<u>\$ 3,585,312</u>	<u>\$ 3,319,765</u>	<u>\$ 3,193,276</u>
<u>\$ 128,645,692</u>	<u>\$ 136,722,557</u>	<u>\$ 134,226,882</u>	<u>\$ 137,401,846</u>	<u>\$ 167,277,881</u>	<u>\$ 128,309,744</u>
<u>\$ (16,906,771)</u>	<u>\$ (18,019,030)</u>	<u>\$ (4,728,236)</u>	<u>\$ (14,641,424)</u>	<u>\$ (12,416,165)</u>	<u>\$ (10,778,680)</u>

OPERATING INFORMATION
ELECTRIC ENERGY SOURCES, WATER AND WASTEWATER STATISTICS
LAST TEN YEARS

	FY 2017	FY 2016	FY 2015	FY 2014
SOURCES OF ENERGY (kWh)				
Total Net Energy Generated	1,202,079,235	1,231,840,523	806,397,153	921,011,194
Total Energy Purchased	328,964,400	428,953,100	690,167,500	578,306,000
TOTAL SOURCES OF ENERGY	1,531,043,635	1,660,793,623	1,496,564,653	1,499,317,194
Less: System Losses and Inadvertent Energy (kWh)	(24,589,310)	(22,449,897)	(25,996,837)	(27,903,614)
Net Available for Sale (kWh)	1,506,454,325	1,638,343,726	1,470,567,816	1,471,413,580
Sales for Resale (kWh)	(177,000,430)	(316,499,025)	(29,993,800)	(12,239,700)
NET ENERGY FOR LOAD	1,329,453,895	1,321,844,701	1,440,574,016	1,459,173,880
WATER STATISTICS				
Water Production - 1,000 Gallons				
Raw Water Treated	5,579,560	5,301,156	5,216,966	5,888,490
Raw Water Used in Plant	(119,670)	(160,738)	(235,716)	(54,450)
Surface Water Treated	5,459,890	5,140,418	4,981,250	5,834,040
SRWA (Purchased Water)*	2,440,611	2,317,634	2,092,497	1,816,125
Water Pumped to City	7,900,501	7,458,052	7,073,747	7,650,165
Water Sales	6,732,120	6,392,340	6,055,349	6,636,736
Other Unmetered Usage	155,286	130,685	89,772	208,500
Losses and Unaccounted for Gallonage	1,013,095	935,027	928,626	804,929
Thousand Gallons to System	7,900,501	7,458,052	7,073,747	7,650,165
Unaccounted For	12.82%	12.54%	13.13%	10.52%
Average Daily Consumption	18,444	17,465	22,253	21,078
Peak Maximum Demand (MG)	34	29	27	29
Date	5/30/2017	8/10/2016	8/11/2015	8/21/2014
WASTEWATER STATISTICS				
Annual Demand (1,000 Gals.)	5,370,043	5,580,261	5,916,884	5,047,953
Maximum Day (MG)	21.2	32.6	36.2	32.2

* FY 2008 through FY 2017 Water Production includes Southmost Regional Water Authority Production.

FY 2013	FY 2012	FY 2011	FY 2010	FY 2009	FY 2008
924,212,443	830,108,370	1,353,750,565	1,577,510,000	1,120,083,000	1,304,850,000
508,341,700	704,742,700	429,383,640	378,317,000	528,558,000	181,698,000
1,432,554,143	1,534,851,070	1,783,134,205	1,955,827,000	1,648,641,000	1,486,548,000
(27,070,226)	-	-	(69,693,000)	(82,039,000)	(67,321,000)
1,405,483,917	1,534,851,070	1,783,134,205	1,886,134,000	1,566,602,000	1,419,227,000
(5,915,000)	(48,313,210)	(245,366,425)	(366,669,000)	(250,127,000)	(84,279,000)
1,399,568,917	1,486,537,860	1,537,767,779	1,519,465,000	1,316,475,000	1,334,948,000
6,611,306	6,742,810	7,502,790	7,073,522	8,217,557	7,427,578
(398,363)	(515,470)	(791,199)	(845,261)	(439,663)	(290,178)
6,212,943	6,227,340	6,711,591	6,228,261	7,777,894	7,137,400
1,963,421	2,025,507	1,929,481	1,947,011	1,617,101	1,649,267
8,176,364	8,252,847	8,641,072	8,175,272	9,394,995	8,786,667
7,251,194	7,259,778	7,417,175	6,321,717	7,062,104	6,624,490
227,400	98,519	68,577	88,719	44,915	21,809
697,770	894,550	1,155,320	1,764,836	2,287,976	2,140,368
8,176,364	8,252,847	8,641,072	8,175,272	9,394,995	8,786,667
11.32%	10.84%	13.37%	21.59%	24.35%	24.61%
22,334	22,541	23,674	22,398	25,740	24,007
30	29	30	29	39	33
7/3/2013	6/18/2012	6/17/2011	4/5/2010	6/16/2009	6/19/2008
4,799,312	4,885,625	4,992,236	5,522,605	5,052,595	5,154,241
29.1	25.9	32.6	38.5	25.5	19.7



B R O W N S V I L L E
PUBLIC UTILITIES BOARD



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