



**B R O W N S V I L L E**  
**PUBLIC UTILITIES BOARD**

**Annual Budget Report**  
**October 1, 2016 - September 30, 2017**



***Front cover middle, left to right:***

- 1) Removal of a support strut to facilitate unit ten turbine removal at the Silas Ray Power Plant.*
- 2) Flushing a fire hydrant after repair on main water line was performed.*

***Front cover bottom:***

- 3) Jetter Vacuum combination truck being set up by staff to perform a lift station wet well maintenance job.*

# **Brownsville Public Utilities Board**

A Component Unit of the City of Brownsville, Texas

## **ANNUAL BUDGET REPORT**

October 1, 2016 - September 30, 2017

Prepared by  
Finance Department

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**FISCAL YEAR 2017  
TABLE OF CONTENTS**

<b><u>OVERVIEW</u></b>	<b><u>PAGE</u></b>
Organizational Chart.....	3
Summary Letter .....	7
GFOA Distinguished Budget Presentation Award .....	30
Budget Program .....	31
Budget Preparation Process & Procedures .....	32
Budget Preparation Calendar .....	35
Significant Policies .....	36
<b><u>BUDGET RECAP</u></b>	
Total Combined Utility Requirements.....	46
FY 2017 Uses of Funds.....	46
FY 2017 Requirements as a Percent of Total Budget.....	47
Budget Recap FY 2017 Revenues .....	48
FY 2017 Revenues - Utility Percent By Revenue Type .....	48
Operations & Maintenance Expense Recap By Type FY 2007 – FY 2017.....	49
Operations & Maintenance Expense Recap By Department & Type – FY 2017.....	50
Operations & Maintenance Expense Recap By Department FY 2013 – FY 2017.....	52
Operations & Maintenance Expense Recap By Department FY 2017 Budget .....	53
FY 2017 Approved Budgeted Number of Positions By Division/Organization.....	54
Net Position Computation of Change in Net Position and Funds Available for Capital and Reserve Funds.....	61
Unit Sales Statistics.....	62
Outstanding Debt .....	63
Outstanding Principal Debt Through Maturity – Graph.....	64
Debt Service.....	65
Debt Service Requirements by Fiscal Year .....	66
<b><u>REVENUES</u></b>	
Sales & Services to Customers – Operating Revenues by System.....	68
Revenues by Source.....	69
Revenues – Sources, Assumptions and Trends.....	70
Total Utility Combined Revenues & Requirements FY 2013 – FY 2017 .....	74
Electric Revenues & Requirements FY 2013 – FY 2017 .....	75
Water Revenues & Requirements FY 2013 – FY 2017.....	76
Wastewater Revenues & Requirements FY 2013 – FY 2017.....	77
Projected Revenues & Requirements FY 2017 – FY 2022 .....	78
<b><u>OPERATIONS &amp; MAINTENANCE EXPENSE BUDGET</u></b>	
Department 1110 – General Manager.....	80
Department 1120 – Internal Audit .....	82
Department 1125 – Key Account Marketing.....	84
Department 1130 – Communications & Administrative Services.....	86



**FISCAL YEAR 2017  
TABLE OF CONTENTS**

	<u>PAGE</u>
Department 1135 – Communications & Public Relations .....	88
Department 1140 – Organizational Development .....	90
Department 1145 – Electrical Systems .....	92
Department 1150 – Board of Directors .....	94
Department 1165 – Records Management.....	96
Department 1410 – Environmental Services .....	98
Department 1420 – Environmental Compliance.....	100
Department 1422 – Analytical Laboratory .....	102
Department 1430 – Pre-Treatment.....	104
Department 1440 – Health & Safety.....	106
Department 2110 – Electrical Transmission & Distribution Support Services .....	108
Department 2120 – Substations & Relaying.....	110
Department 2130 – Electric Transmission & Distribution New Construction .....	112
Department 2140 – Electric Transmission & Distribution Maintenance.....	114
Department 2150 – Energy Control Center Operations.....	116
Department 2210 – SCADA & Electrical Support Services .....	118
Department 2220 – Power Production .....	122
Department 2310 – Electric Meter Shop .....	124
Department 2410 – Electric Engineering.....	126
Department 3110 – Water & Wastewater Engineering, Planning & Operations .....	128
Department 3120 – Water Plant I .....	130
Department 3130 – Water Plant II.....	132
Department 3135 – Resaca Maintenance.....	134
Department 3140 – Raw Water Supply .....	136
Department 3145 – Water & Wastewater Plant Maintenance .....	138
Department 3150 – Water & Wastewater Operations & Construction.....	140
Department 3210 – South Wastewater Treatment Plant.....	142
Department 3220 – Robindale Wastewater Treatment Plant.....	144
Department 3230 – Wastewater Lift Stations.....	146
Department 3310 – Water & Wastewater Engineering .....	148
Department 4105 – Operations .....	150
Department 4110 – Energy Risk Management.....	152
Department 4210 – NERC Compliance.....	154
Department 4220 – Fuel & Purchased Energy Supply .....	156
Department 4230 – Natural Gas Utility Management .....	158
Department 4310 – Operational Support Services.....	160
Department 5110 – Finance .....	162
Department 5120 – Accounting .....	164
Department 5130 – Purchasing.....	166
Department 5140 – Revenue Recovery .....	168
Department 6105 – Customer & Information Services .....	170
Department 6110 – Customer Service .....	172



**FISCAL YEAR 2017  
TABLE OF CONTENTS**

	<u>PAGE</u>
Department 6115 – Collections .....	174
Department 6120 – Billing.....	176
Department 6125 – Call Center .....	178
Department 6130 – Meter Services.....	180
Department 6135 – CIS Support.....	182
Department 6145 – Energy Efficiency & Conservation .....	184
Department 6150 – Meter Reading.....	186
Department 6160 – Cashiers .....	188
Department 7120 – Risk/Insurance Management.....	190
Department 7130 – Information Technology .....	192
Department 7135 – Geographic Information Systems.....	194
Department 7140 – Human Resources .....	196
Department 7145 – Talent Acquisition and Staffing .....	198
Department 7150 – Fleet Management.....	200
Department 7155 – Compensation & Benefits .....	202
Department 7160 – Facility Maintenance.....	204
Department 7170 – Warehouse.....	206
Department 9110 – Company-wide Expenses.....	208
Department 9150 – Prior FY Encumbered Budget.....	210

**CAPITAL BUDGET**

Five-Year Capital Improvement Plan – Summary by Funding Source .....	212
Five-Year Capital Improvement Plan – Summary by Utility Chart .....	213
FY 2017 Capital Budget Summary.....	214
FY 2017 Capital Budget by Funding Source.....	215
FY 2017 Capital Budget by System .....	216
Five-year Capital Improvements Plan Project Summary.....	217
Capital Budget Summary – Improvement Fund Projects (Fund 400) .....	331
Capital Budget Summary – Impact Fees Fund Projects (Fund 410) .....	335
Capital Budget Summary – Future Debt Bond Proceeds Projects (Commercial Paper Fund 405)...	336
Capital Budget Summary – Grant Proceeds Projects (Fund 200).....	340
Summary Expenditure Report For All Carryover Projects – FY 2016 – Improvement Fund (Fund 400).....	341
Capital Project Listing – FY 2016 For All Carryover General & Administrative Utility Projects – Improvement Fund (Fund 400).....	342
Capital Project Listing – FY 2016 For All Carryover Electric Utility Projects – Improvement Fund (Fund 400) .....	343
Capital Project Listing – FY 2016 For All Carryover Water Utility Projects – Improvement Fund (Fund 400) .....	353
Capital Project Listing – FY 2016 For All Carryover Wastewater Utility Projects – Improvement Fund (Fund 400) .....	354



**FISCAL YEAR 2017  
TABLE OF CONTENTS**

	<u>PAGE</u>
Capital Project Listing – FY 2016 For All Carryover Water & Wastewater Utility Projects – Improvement Fund (Fund 400).....	356
Summary Expenditure Report For All Carryover Projects – FY 2016 – For All Other Capital Funds.....	358
Capital Project Listing – FY 2016 For All Carryover Projects – Future Debt Bond Proceeds Projects (Commercial Paper Fund 405).....	359
Capital Project Listing – FY 2016 For All Carryover Projects – Impact Fees Fund Projects (Fund 410).....	362
Capital Project Listing – FY 2016 For All Carryover Projects – Grant Proceeds (Fund 200).....	363
 <b><u>GRANTS</u></b>	
Grant Schedule.....	366
 <b><u>APPENDICES</u></b>	
Appendices Section .....	370
Appendix A – Operations Expense Analysis By Account .....	371
Appendix B – Brownsville PUB Description, Service Territory Maps.....	374
Appendix C – Glossary.....	381
Appendix D – Financial Trends	
Balance Sheets .....	392
Statements of Revenues, Expenses, and Changes in Net Position .....	394
Revenue Capacity	
Average Number of Services Billed By Utility – Last Ten Years.....	396
Revenues By Utility – Last Ten Years .....	398
Unit Sales By Utility – Last Ten Years .....	399
Ten-Year Rate Analysis – Residential Rates .....	400
Debt Capacity	
Computation of Debt Service Coverage – Last Ten Years.....	402
Appendix E – Demographic and Economic Information	
General Information Regarding the City .....	404
Demographic Statistics – Last Ten Fiscal Years .....	411
Appendix F – Operating Information	
Expenses By Utility – Last Ten Years.....	414
Electric Energy Sources, Water and Wastewater Statistics – Last Ten Years.....	416



# ***OVERVIEW***



**BOARD OF DIRECTORS**  
As of September 30, 2016

Nurith Galonsky..... Chair  
 Rafael Vela..... Vice-Chair  
 Rafael S. Chacon..... Secretary/Treasurer  
 Martin Arambula..... Member  
 Edna Ocegüera..... Member  
 Armando Magallanes..... 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

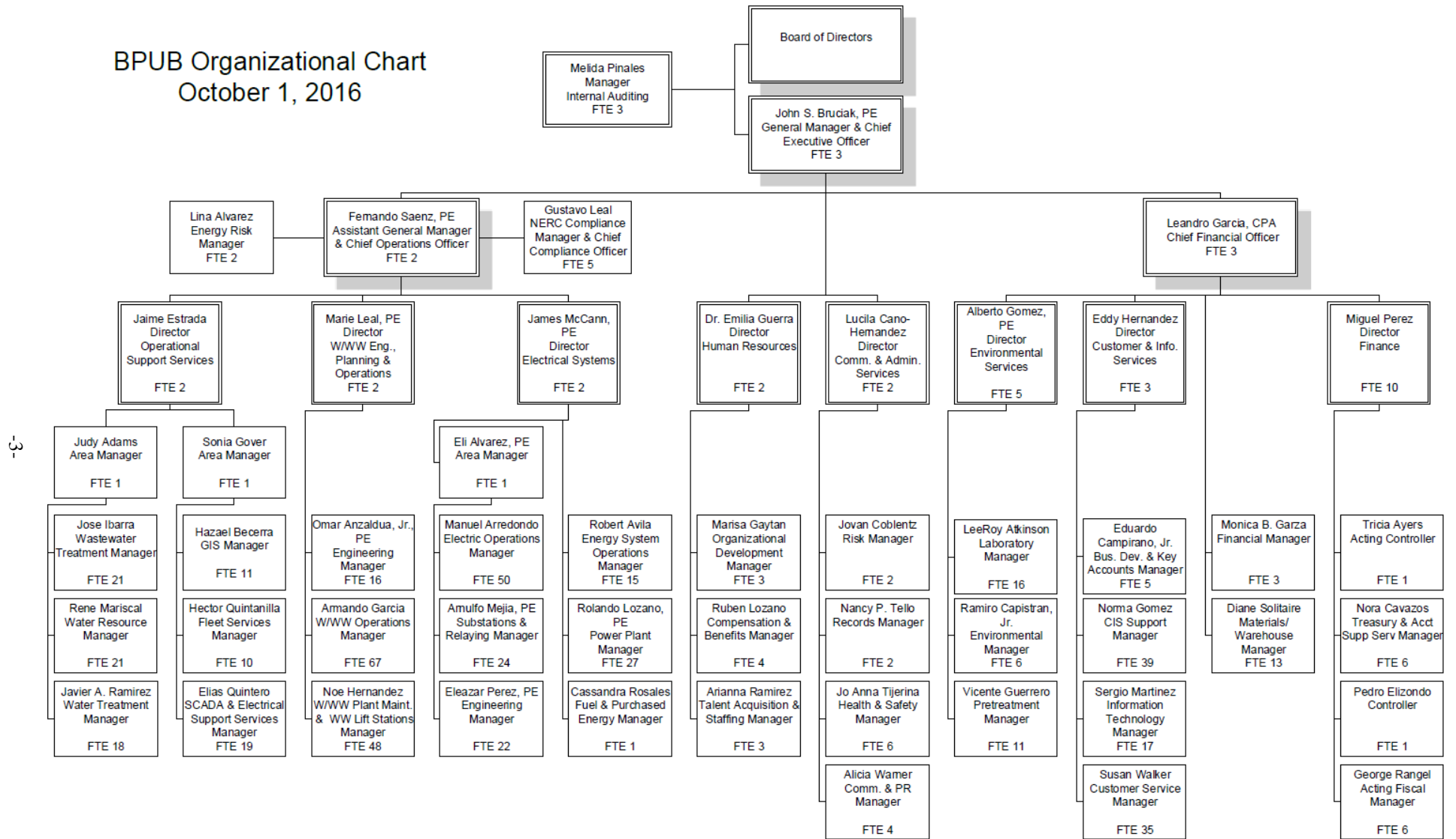
**CITY OF BROWNSVILLE, TEXAS**  
 City Hall/Market Square  
 P.O. Box 911  
 Brownsville, Texas 78520  
 Telephone: 956-548-6000

**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  
 Deborah Portillo..... Commissioner, District 3  
 John L. Villarreal..... Commissioner, District 4

# BPUB Organizational Chart

## October 1, 2016



Note: Two new positions were approved and are pending review by designated departments. Funding will be reflected in appropriate departments once allocated.

# 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 2013	FY 2014	FY 2015	FY 2016	FY 2017	Change from FY 2016 to FY 2017
1110	General Manager	4	5	4	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	3	4	4	4	4	0
1140	Organizational Development	3	3	3	3	3	0
1165	Records Management	2	2	2	2	2	0
1440	Health & Safety	6	6	6	6	6	0
7120	Risk/Insurance Management	2	2	2	2	2	0
7140	Human Resources	8	9	9	6	2	-4
7145	Talent Acquisition and Staffing	0	0	0	3	3	0
7155	Compensation & Benefits	0	0	0	0	4	4
	<b>TOTAL</b>	<b>33</b>	<b>36</b>	<b>35</b>	<b>34</b>	<b>34</b>	<b>0</b>

**Note:**

Changes in personnel counts from FY 2016 to FY 2017 are due to interdepartmental transfers.  
No new positions in 2017 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 2013	FY 2014	FY 2015	FY 2016	FY 2017	Change from FY 2016 to FY 2017
1145	Electrical Systems	0	0	0	3	3	0
2110	Electric Trans & Dist Support Services	0	1	1	0	0	0
2120	Substations & Relaying	11	12	12	24	24	0
2130	Elec. T&D New Construction	29	31	31	28	28	0
2140	Elec. T&D Maintenance	28	31	31	22	22	0
2150	Energy Control Center Operations	13	14	14	15	15	0
2210	SCADA & Elec. Support Services	23	17	17	19	19	0
2220	Power Production	25	28	28	27	27	0
2310	Electric Meter Shop	7	8	8	8	8	0
2410	Electric Engineering	13	14	14	14	14	0
3110	W/WW Eng, Planning & Operations	4	2	2	2	2	0
3120	Water Plant I	8	9	9	10	10	0
3130	Water Plant II	9	9	9	8	8	0
3135	Resaca Maintenance	11	19	19	17	17	0
3140	Raw Water Supply	3	4	4	4	4	0
3145	W/WW Plant Maintenance	13	13	13	13	13	0
3150	W/WW Operations & Construction	63	68	68	67	67	0
3210	South WW Treatment Plant	9	9	9	10	10	0
3220	Robindale WW Treatment Plant	12	12	12	11	11	0
3230	Wastewater Lift Stations	30	35	35	35	35	0
3310	W/WW Engineering	23	21	21	16	16	0
4105	Operations	0	0	0	2	2	0
4110	Energy Risk Management	0	2	2	1	2	1
4210	NERC Compliance	0	3	3	5	5	0
4220	Fuel & Purchased Energy Supply	0	1	1	2	1	-1
4230	Natural Gas Utility Management	0	0	0	0	0	0
4310	Operational Support Services	0	2	2	4	4	0
7135	Geographic Info. Systems	12	13	13	11	11	0
7150	Fleet Management	9	10	10	10	10	0
	<b>TOTAL</b>	355	388	388	388	388	0

**Note:**

Changes in personnel counts from FY 2016 to FY 2017 are due to interdepartmental transfers.  
No new positions in 2017 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 2013	FY 2014	FY 2015	FY 2016	FY 2017	Change from FY 2016 to FY 2017
1125	Key Accounts Marketing	3	6	6	5	5	0
1410	Environmental Services	3	4	4	4	5	1
1420	Environmental Compliance	6	6	6	6	6	0
1422	Analytical Lab	13	16	16	16	16	0
1430	Pre-treatment	9	10	10	12	11	-1
5110	Finance	7	6	6	8	7	-1
5120	Accounting	12	14	14	15	16	1
5130	Purchasing	6	6	6	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	10	11	11	14	14	0
6115	Collections	4	4	4	4	4	0
6120	Billing	7	7	7	8	7	-1
6125	Call Center	11	10	10	11	11	0
6130	Meter Services	9	9	9	9	10	1
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	15	0
6160	Cashiers	7	9	9	9	9	0
7110	Administrative Services	0	1	1	0	0	0
7130	Information Technology	16	18	18	17	17	0
7160	Facility Maintenance	4	4	4	4	4	0
7170	Warehouse	6	6	6	6	6	0
9110	Company-wide Expenses	0	3	3	0	2	2*
9150	Prior FY Encumbered Budget	0	0	0	0	0	0
	<b>TOTAL</b>	158	175	175	180	182	2

**Note:**

Changes in personnel counts from FY 2016 to FY 2017 are due to interdepartmental transfers.

\*Two new positions were approved and are pending review by designated departments. Funding will be reflected in appropriate departments once allocated.



December 1, 2016

We are pleased to present the Fiscal Year 2017 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 \$205.91 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. Despite abnormal weather patterns caused by El Nino, which brought milder temperatures during most of the year, BPUB ended the fiscal year in a strong financial position.

The Brownsville PUB's FY 2017 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 12, 2016.

Preparing the FY 2017 Budget required that sales projections be based on a change to warmer and drier weather patterns caused by La Nina. As a result, management took into consideration normalized historical sales data in the forecasting of revenues and expenditures.

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.

- Salary Market Adjustments: The approved budget includes \$344,222 for implementation of Phase II of the Compensation Study in support of Issue 2 of the 2013-2018 Strategic Plan.
- Salary Compression Adjustments: The approved budget includes \$446,041 for implementation of Phase II of the Compensation Study in support of Issue 2 of the 2013-2018 Strategic Plan.
- Cost of Living Adjustment: The approved budget includes \$914,649 to fund a 3% cost of living increase for all employees.
- Silas Ray Unit 10: The approved budget includes \$1,537,500 for needed maintenance to ensure sufficient electric generating reserve capacity.
- New Positions – The approved budget includes \$80,000 to fund two new positions.
- Operating Subaccount – Fuel Adjustment: The approved budget includes \$15.00 million to mitigate increases in fuel costs and provide relief to customers as part of the Fuel & Purchased Energy Charge.
- Pay As You Go (PAYGO) – CIP Funding: The approved budget includes \$10.35 million to fund Capital Improvement Projects with cash.
- Subaccount – COB USACE: The approved budget includes \$500,000 to fund a Resaca study underway by the United States Army Corp of Engineers.

The budget policy, budget preparation process and budget preparation calendar are presented in additional detail on pages 31 through 35.

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## **FY 2017 BUDGET**

The Budget for FY 2017 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 10/1/15
  - d. Budget Program
  - e. Budget Preparation Process & Procedures
  - f. Budget Preparation Calendar
  - g. Significant Policies
  - h. Total Combined Utility Requirements Chart
  - i. FY 2017 Uses of Funds Chart
  - j. FY 2017 Requirements as a Percent of Total Budget Chart
  - k. Budget Recap FY 2017 Revenues
  - l. FY 2017 Revenues - Utility Percent by Revenue Type Chart
  - m. O&M Expenses Recap by Type FY 2007 – FY 2017
  - n. O&M Expenses Recap by Department & Type – FY 2017
  - o. O&M Expenses Recap by Department FY 2013 – FY 2017
  - p. O&M Expenses Recap by Department FY 2017 Budget
  - q. FY 2017 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"> <li>1. Optimizing and integrating the use of technology increases efficiency.</li> <li>2. Environmental stewardship enables the community to conserve resources.</li> <li>3. Preventative maintenance programs improve quality and reliability.</li> <li>4. A business plan builds the foundation for a successful natural gas utility system.</li> <li>5. Adequate infrastructure provides reliable service, supports a growing community, and is in alignment with the Greater Brownsville Infrastructure Development Plan.</li> </ol>
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"> <li>1. Identifying and addressing employee needs retains a talented and skilled workforce.</li> <li>2. A competitive compensation package supports employee recruitment and retention.</li> <li>3. A competitive benefits package supports employee recruitment and retention.</li> <li>4. A leading recruitment program attracts the most qualified workforce.</li> <li>5. Effective HR systems increase the HR Department's productivity in attracting, retaining, and developing the workforce.</li> </ol>
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"> <li>1. Creating an inventory of key processes builds the foundation for improved organizational performance.</li> <li>2. Streamlining existing key processes improves efficiency and effectiveness.</li> <li>3. Defining and documenting processes enhances organizational performance.</li> <li>4. Implementing revised key processes enables consistency and increases work quality.</li> </ol>
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"> <li>1. Identifying our external audiences, methods, and messages will establish effective communications.</li> <li>2. Effective and open internal communications improves employee relations and morale.</li> <li>3. Making the most of every customer contact improves customer relations.</li> <li>4. Sharing information with key stakeholders about issues, projects, and achievements improves their knowledge and support of BPUB.</li> <li>5. Partnering and participating in community organizations and events promotes goodwill and enhances BPUB's image.</li> </ol>
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"> <li>1. Developing and maintaining a positive work culture and environment builds employee satisfaction and success.</li> <li>2. Engaging leadership leads to sustainable cultural change.</li> <li>3. Integrating our core values within our business practices drives cultural change.</li> </ol>

## 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 2016 and prior years, and other pertinent records of operations. This year's projections assume abnormal weather patterns.

Projected unit sales are as follows:

	Budget FY 2016	UNAUDITED Yr.-End FY 2016	Percent Difference	Approved FY 2017	Percent Difference FY 2017 vs. UNAUDITED Yr.-End
Electric (kWh)	1,210,880,662	1,331,944,064	10.00%	1,316,823,240	-1.14%
Water (1,000 gallons)	6,283,965	6,392,339	1.72%	6,397,025	0.07%
Wastewater (1,000 gallons)	4,645,381	4,502,567	-3.07%	4,475,614	-0.60%

## REVENUES

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

	Budget FY 2016	UNAUDITED Yr.-End FY 2016	Percent Difference	Approved FY 2017	Percent Difference FY 2017 vs. UNAUDITED Yr.-End
Electric	\$ 132,990,038	\$ 140,509,098	5.65%	\$ 141,136,733	0.45%
Water	23,546,313	23,381,182	-0.70%	24,283,989	3.86%
Wastewater	22,210,086	22,283,635	0.33%	22,135,194	-0.67%
Total Sales Revenues	\$ 178,746,437	\$ 186,173,915	4.16%	\$ 187,555,916	0.74%

The schedule below summarizes total revenues by general category:

	Approved Budget FY 2016	Percent of Total	Approved Budget FY 2017	Percent of Total
Sales & Service To Customers	\$ 178,746,437	91.69%	\$ 187,555,916	91.08%
Off-System Sales Revenue	3,100,000	1.59%	6,000,000	2.91%
Interest From Investments	735,000	0.38%	800,000	0.39%
Other Operating & Non-Operating Revenues	12,355,336	6.34%	11,557,869	5.61%
Total Revenues	\$ 194,936,773	100.00%	\$ 205,913,785	100.00%

Projected electric unit sales in kilowatt hours are expected to decrease in FY 2017 from FY 2016 unaudited Year-end by 1.14%. Comparing the approved FY 2017 with FY 2016 sales revenue budget, electric base and fuel revenues are expected to increase by 6.1%.

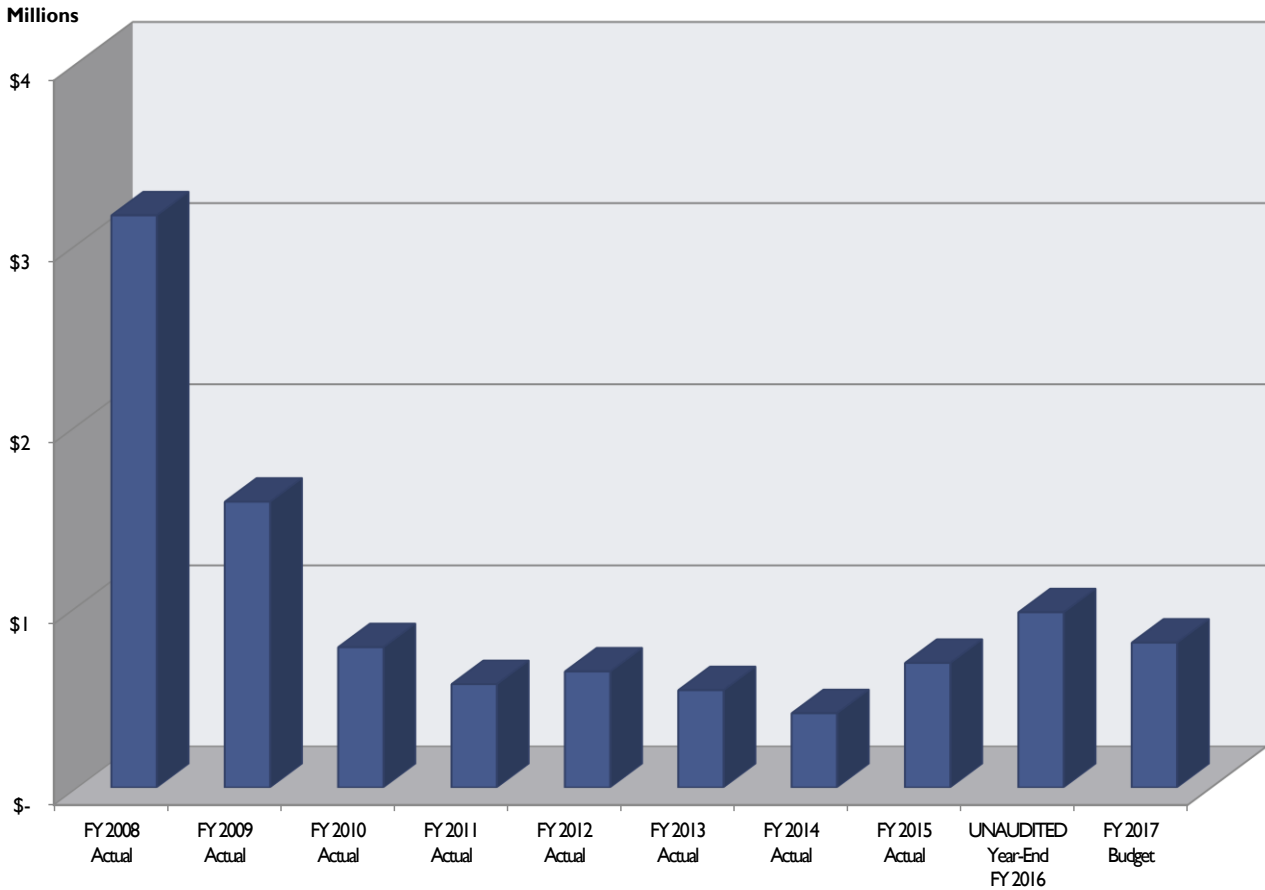
FY 2016 unaudited, year-end water sales were higher than originally projected compared to FY 2016 approved budget projections. Compared to budgeted water revenues for FY 2016, water revenues for FY

2017 are expected to increase by 3.13%. Wastewater revenues will decrease by 0.34% for FY 2017 compared to FY 2016.

Investment Income

The following chart illustrates actual and budgeted utility investment earnings over the past several fiscal years. Investment income is projected to slightly decrease in FY 2017.

**Investment Income  
(Dollars in Millions)**



Revenues are discussed in additional detail on pages 68 through 77.

**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 7% and 6% rate increases, respectively for the electric and water utilities that became effective October 1, 2016.

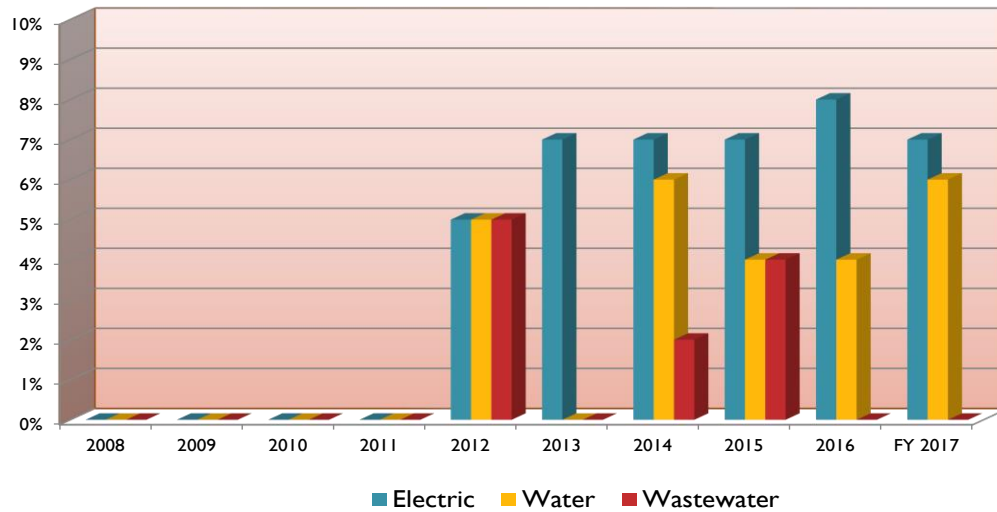
While affordability is always a concern, the rate increases implemented during FY 2017 will allow the Brownsville PUB to continue investing in core service areas including energy reliability, water quality and wastewater treatment services.

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
2017 <sup>5</sup>	7.0%	6.0%	-
2016 <sup>4</sup>	8.0%	4.0%	-
2015 <sup>3</sup>	7.0%	4.0%	4.0%
2014 <sup>2</sup>	7.0%	6.0%	2.0%
2013 <sup>1</sup>	7.0%	-	-
2012	5.0%	5.0%	5.0%
2011	-	-	-
2010	-	-	-
2009	-	-	-
2008	-	-	-

<sup>5</sup> Effective October 1, 2016  
<sup>4</sup> Effective October 1, 2015  
<sup>3</sup> Effective October 1, 2014  
<sup>2</sup> Effective October 1, 2013  
<sup>1</sup> Effective April 1, 2013

**Residential Bill Averages**

Utility Service	Average Consumption	September 2014	September 2015	September 2016
Electric	1,000 kWh	\$ 110.71	\$ 108.41	\$ 102.00
Water	10,000 gallons	\$ 29.53	\$ 30.73	\$ 31.96
Wastewater	8,000 gallons	\$ 33.91	\$ 35.25	\$ 35.25

**OPERATIONS & MAINTENANCE EXPENSE BUDGET**

**PERSONNEL**

The FY 2017 Personnel Budget includes eight reclassified positions compared to the Original FY 2016 Budget. While the reclassifications did not increase or decrease the position count as approved in the FY 2016 Budget there were two additional positions added.

The following is a summary of FY 2016 changes:

**POSITIONS APPROVED FOR FY 2017 BUDGET 604**

FY 2016 Deletions:

<u>Department</u>	<u>Department #</u>	
Billing	6120	-1
Finance	5110	-1
Fuel & Purchased Energy Supply	4220	-1
Human Resources	7140	-4
Pre-Treatment	1430	-1
	Subtotal	-8

FY 2016 Additions:

<u>Department</u>	<u>Department #</u>	
Accounting	5120	1
Compensation & Benefits	7155	4
Energy Risk Management	4110	1
Environmental Services	1410	1
Meter Services	6130	1
Water Plant I	3120	1
	Subtotal	8

**POSITIONS FILLED FOR FY 2017 BUDGET 602**

**ADDITIONAL POSITIONS APPROVED 2**

**POSITIONS APPROVED FOR FY 2017 BUDGET 604**

The number of temporary full-time employees for FY 2017 is currently at 12 as illustrated on a separate schedule on page 18.

The approved Personnel Budget for FY 2016 totaled \$37,857,308, an increase of \$4,584,224 as compared to Personnel Budget expenses for FY 2015.

The approved Personnel Budget for FY 2017 totals \$40,077,785, an increase of \$2,220,477 or 5.87% from the Amended FY 2016 Personnel Budget. The increase is primarily attributed to changes in the TMRS contribution matching rate.

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# NUMBER OF FULL-TIME POSITIONS

DEPARTMENT	FINAL FY 2012	FINAL FY 2013	FINAL FY 2014	FINAL FY 2015	FINAL FY 2016	APPROVED FY 2017
1110 GENERAL MANAGER	5	4	5	4	3	3
1120 INTERNAL AUDIT	3	3	3	3	3	3
1125 KEY ACCOUNT MARKETING	3	3	6	6	5	5
1130 COMMUNICATIONS & ADMINISTRATIVE SVC	4	2	2	2	2	2
1135 COMMUNICATIONS & PUBLIC RELATIONS	3	3	4	4	4	4
1140 ORGANIZATIONAL DEVELOPMENT	3	3	3	3	3	3
1145 ENERGY SERVICES	1	1	2	2	-	-
1150 BOARD OF DIRECTORS	-	-	-	-	-	-
1165 RECORDS MANAGEMENT	-	2	2	2	2	2
1410 ENVIRONMENTAL SERVICES	3	3	4	4	4	5
1440 HEALTH & SAFETY	5	6	6	6	6	6
4105 OPERATIONS	-	-	-	-	2	2
4310 OPERATIONAL SUPPORT SERVICES	-	-	-	-	2	2
5110 FINANCE	6	7	6	6	8	7
5120 ACCOUNTING	12	12	14	14	15	16
5130 PURCHASING	6	6	6	6	7	7
7110 ADMINISTRATIVE SERVICES	-	-	1	1	-	-
7120 RISK/INSURANCE MANAGEMENT	2	2	2	2	2	2
7130 INFORMATION SERVICES	16	16	18	18	17	17
7135 GIS	11	12	13	13	11	11
7140 HUMAN RESOURCES	7	8	9	9	6	2
7145 TALENT ACQUISITION AND STAFFING	-	-	-	-	3	3
7150 FLEET MANAGEMENT	9	9	10	10	10	10
7155 COMPENSATION & BENEFITS	-	-	-	-	-	4
7160 FACILITY MAINTENANCE	4	4	4	4	4	4
7170 WAREHOUSE	6	6	6	6	6	6
9110 COMPANY-WIDE EXPENSES	-	-	3	3	-	-
<b>TOTAL ADMINISTRATIVE</b>	<b>109</b>	<b>112</b>	<b>129</b>	<b>128</b>	<b>125</b>	<b>126</b>
5140 REVENUE RECOVERY	3	3	3	3	3	3
6105 CUSTOMER & INFORMATION SERVICES	3	3	3	3	3	3
6110 CUSTOMER SERVICE	11	10	11	11	14	14
6115 COLLECTIONS	4	4	4	4	4	4
6120 BILLING	7	7	7	7	8	7
6125 CALL CENTER	10	11	10	10	11	11
6130 METER SERVICES	9	9	9	9	9	10
6135 CIS SUPPORT	3	3	3	3	3	3
6150 METER READING	15	15	15	15	15	15
6160 CASHIERS	8	7	9	9	9	9
<b>TOTAL CUSTOMER SERVICE</b>	<b>73</b>	<b>72</b>	<b>74</b>	<b>74</b>	<b>79</b>	<b>79</b>
1145 ELECTRICAL SYSTEMS	-	-	-	-	3	3
1420 ENVIRONMENTAL COMPLIANCE	6	6	6	6	6	6
2110 ELECT TRANS & DIST SUPPORT SERVICES	-	-	1	1	-	-
2120 SUBSTATIONS & RELAYING	9	11	12	12	24	24
2130 ELEC TRANS & DIST NEW CONSTRUCTION	30	29	31	31	28	28
2140 ELEC TRANS & DIST MAINTENANCE	28	28	31	31	22	22
2150 ENERGY CONTROL CENTER OPERATIONS	13	13	14	14	15	15
2210 SCADA & ELECTRICAL SUPPORT SERVICES	23	23	17	17	19	19
2220 POWER PRODUCTION	25	25	28	28	27	27
2310 ELECTRIC METERS SHOP	7	7	8	8	8	8
2410 ELECTRIC ENGINEERING	15	13	14	14	14	14
4105 OPERATIONS	-	-	1	2	-	-
4110 ENERGY RISK MANAGEMENT	-	-	2	2	1	2
4210 NERC COMPLIANCE	-	-	3	3	5	5
4220 FUEL & PURCHASED ENERGY SUPPLY	-	-	1	1	2	1
4230 NATURAL GAS UTILITY MANAGEMENT	-	-	-	-	-	-
4310 OPERATIONAL SUPPORT SERVICES	-	-	1	1	-	-
6145 ENERGY EFFICIENCY & CONSERVATION	1	1	1	1	1	1
<b>TOTAL ELECTRIC</b>	<b>157</b>	<b>156</b>	<b>171</b>	<b>172</b>	<b>175</b>	<b>175</b>
1422 ANALYTICAL LAB	14	13	16	16	16	16
1430 PRE-TREATMENT	9	9	10	10	12	11
3110 W&WW ENG, PLANNING & TREATMENT	4	4	2	2	2	2
3120 WATER PLANT I	9	8	9	9	10	10
3130 WATER PLANT II	8	9	9	9	8	8
3135 RESACA MAINTENANCE	1	11	19	19	17	17
3140 RAW WATER	3	3	4	4	4	4
3145 W/WW PLANT MAINTENANCE	15	13	13	13	13	13
3150 W/WW OPERATIONS & CONSTRUCTION	64	63	68	68	67	67
3210 SOUTH WASTEWATER TREAT PLANT	9	9	9	9	10	10
3220 ROBINDALE WASTEWATER TREAT PLANT	13	12	12	12	11	11
3230 WASTEWATER LIFT STATIONS	28	30	35	35	35	35
3310 WATER & WASTEWATER ENGINEERING	22	23	21	21	16	16
4310 OPERATIONAL SUPPORT SERVICES	-	-	1	1	2	2
9110 COMPANY-WIDE EXPENSES	-	-	-	-	-	2
<b>TOTAL WATER AND WASTEWATER</b>	<b>199</b>	<b>207</b>	<b>228</b>	<b>228</b>	<b>223</b>	<b>224</b>
<b>OVERALL TOTAL NO. OF POSITIONS</b>	<b>538</b>	<b>547</b>	<b>602</b>	<b>602</b>	<b>602</b>	<b>604</b>

## NUMBER OF TEMPORARY FULL-TIME POSITIONS

DEPARTMENT	FINAL FY 2013	FINAL FY 2014	FINAL FY 2015	FINAL FY 2016	APPROVED FY 2017
1110 GENERAL MANAGER	-	1	1	-	-
1125 KEY ACCOUNT MARKETING	1	-	-	-	-
1130 COMMUNICATIONS & ADMINISTRATIVE SVC	-	-	-	-	-
1135 COMMUNICATIONS & PUBLIC RELATIONS	-	-	-	-	-
1140 ORGANIZATIONAL DEVELOPMENT	-	-	-	-	-
1165 RECORDS MANAGEMENT	1	-	-	1	1
1440 HEALTH & SAFETY	-	1	1	-	-
5110 FINANCE	1	-	-	-	-
5120 ACCOUNTING	4	-	-	1	1
5130 PURCHASING	1	-	-	-	-
7120 RISK/INSURANCE MANAGEMENT	-	-	-	1	1
7130 INFORMATION SERVICES	1	-	-	-	-
7135 GIS	1	1	1	-	-
7140 HUMAN RESOURCES	1	2	2	-	-
7145 TALENT ACQUISITION AND STAFFING	-	-	-	-	-
7150 FLEET MANAGEMENT	1	-	-	-	-
7170 WAREHOUSE	-	-	-	-	-
<b>TOTAL ADMINISTRATIVE</b>	<b>12</b>	<b>5</b>	<b>5</b>	<b>3</b>	<b>3</b>
6110 CUSTOMER SERVICE	2	4	4	-	-
6115 COLLECTIONS	-	-	-	-	-
6120 BILLING	-	1	1	-	-
6150 METER READING	-	-	-	3	3
6160 CASHIERS	2	-	-	1	1
<b>TOTAL CUSTOMER SERVICE</b>	<b>4</b>	<b>5</b>	<b>5</b>	<b>4</b>	<b>4</b>
2130 ELEC TRANS & DIST NEW CONSTRUCTION	-	-	-	4	4
2150 ENERGY CONTROL CENTER OPERATIONS	1	-	-	-	-
2210 FUEL & ENERGY/SCADA	1	-	-	-	-
2220 POWER PLANT	3	-	-	-	-
2410 ELECTRIC ENGINEERING	1	-	-	-	-
<b>TOTAL ELECTRIC</b>	<b>6</b>	<b>-</b>	<b>-</b>	<b>4</b>	<b>4</b>
1430 PRE-TREATMENT	1	1	1	-	-
3135 RESACA MAINTENANCE	3	-	-	1	1
3145 W/WW PLANT MAINTENANCE	1	-	-	-	-
3150 W/WW OPERATIONS & CONSTRUCTION	-	-	-	-	-
3230 LIFT STATIONS	4	-	-	-	-
3310 WATER & WASTEWATER ENGINEERING	-	-	-	-	-
<b>TOTAL WATER AND WASTEWATER</b>	<b>9</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>OVERALL TOTAL NO. OF TEMPORARY POSITIONS</b>	<b>31</b>	<b>11</b>	<b>11</b>	<b>12</b>	<b>12</b>

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.

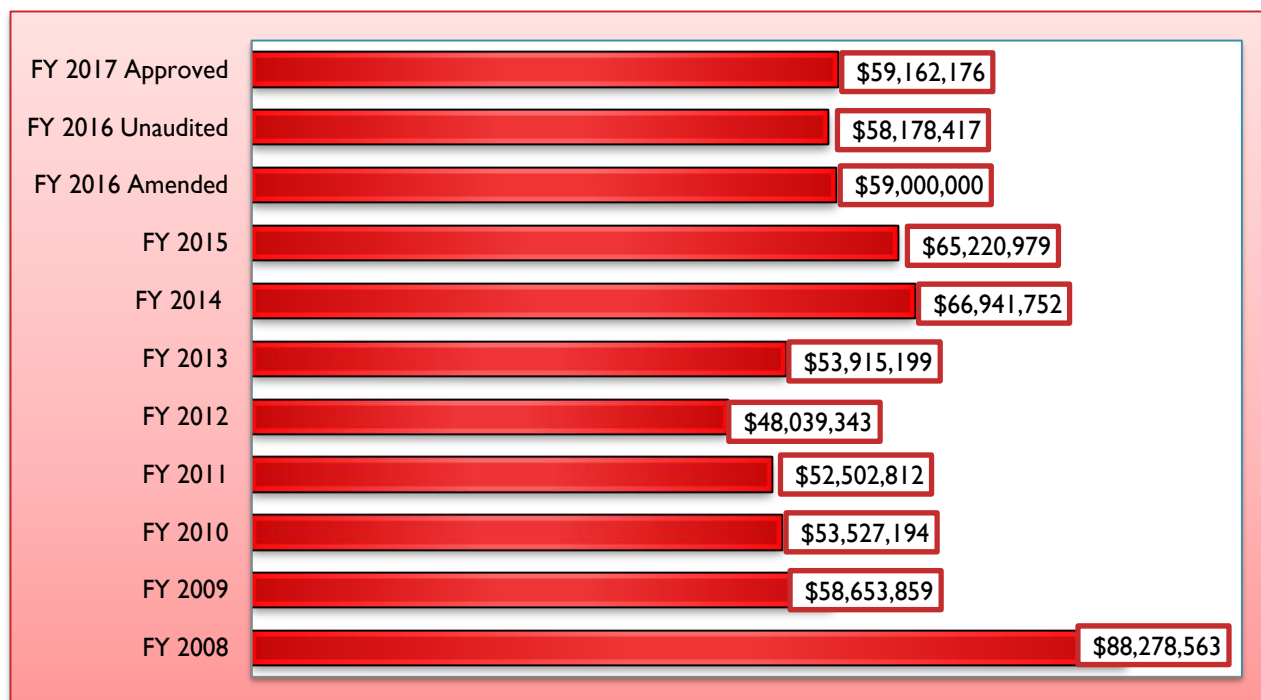
## OPERATIONS & MAINTENANCE EXPENSES

The total O&M Budget for FY 2017 is \$144,134,251, an increase of \$8,886,372 or 6.57% from the amended FY 2016 Budget.

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

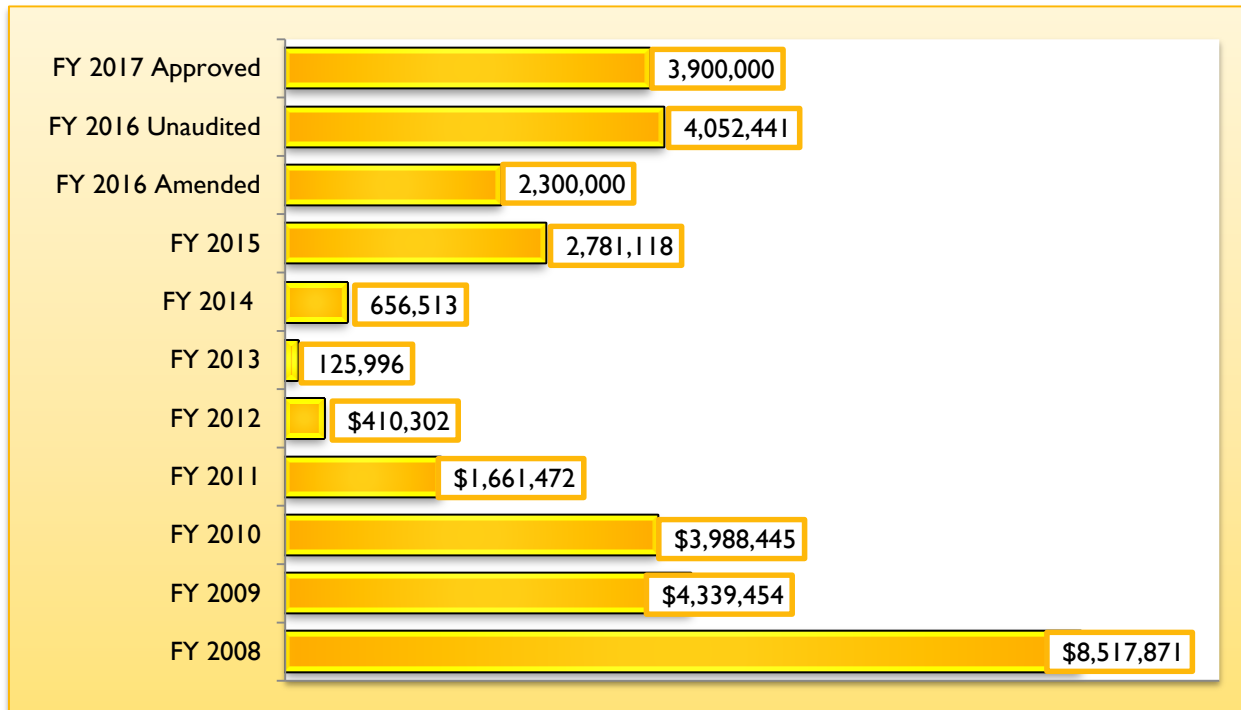
<b>Expense Classification</b>	<b>Amended Budget FY 2016</b>	<b>Unaudited YTD FY 2016</b>	<b>Percent Used: Unaudited '16 vs Approved Budget '16</b>	<b>Approved Budget FY 2017</b>	<b>Percent Budget Variance: Approved '17 vs Unaudited '16</b>
Fuel & Energy Costs	\$ 59,000,000	\$ 58,178,417	98.61%	\$ 59,162,176	1.69%
Off-system Sales Expenses	2,300,000	4,052,441	176.19%	3,900,000	-3.76%
SRWA Obligations	5,910,676	5,743,676	97.17%	5,878,725	2.35%
Personnel Services	37,857,308	36,945,928	97.59%	40,077,785	8.48%
Non-personnel Expenses	29,579,895	27,798,013	93.98%	34,515,565	24.17%
Maintenance Pool Account	600,000	243,324	40.55%	600,000	146.58%
<b>Overall Total:</b>	<b>\$ 135,247,879</b>	<b>\$ 132,961,799</b>	<b>98.31%</b>	<b>\$ 144,134,251</b>	<b>8.40%</b>

The following chart illustrates the cost of fuel and purchased energy to meet electric demand over the last several years. In FY 2008, Brownsville PUB had a total cost of \$88.28 million. The Approved FY 2017 Fuel & Energy Cost Budget is \$59.16 million. The 10-year variance is a result of current year fuel market decreases and stable growth in the electric service area. The 10-year overall decrease averages -3.30% per fiscal year.

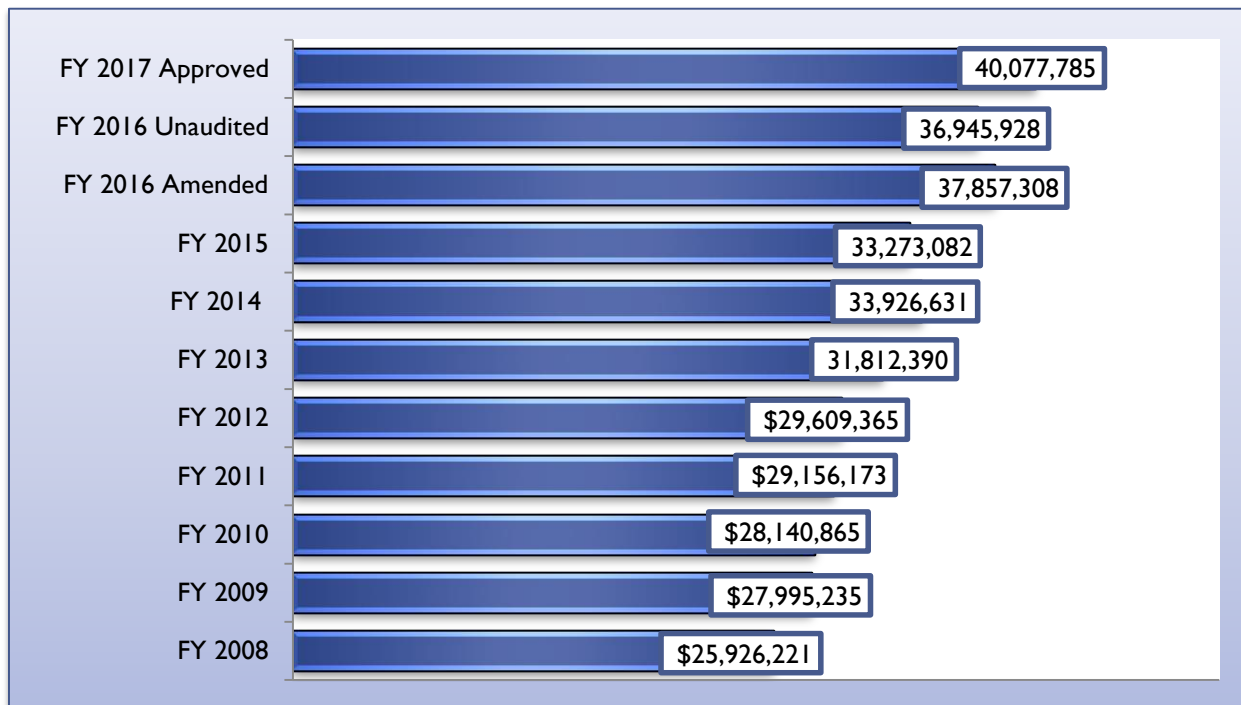


The following chart on page 20 illustrates how the cost of off-system sales has fluctuated over the last several years. In FY 2008, Brownsville PUB had a total cost of \$8.52 million. The Approved FY 2017 Off-System Sales Expenses Budget is \$3.90 million. The FY 2008 to FY 2017, \$4.62 million decrease

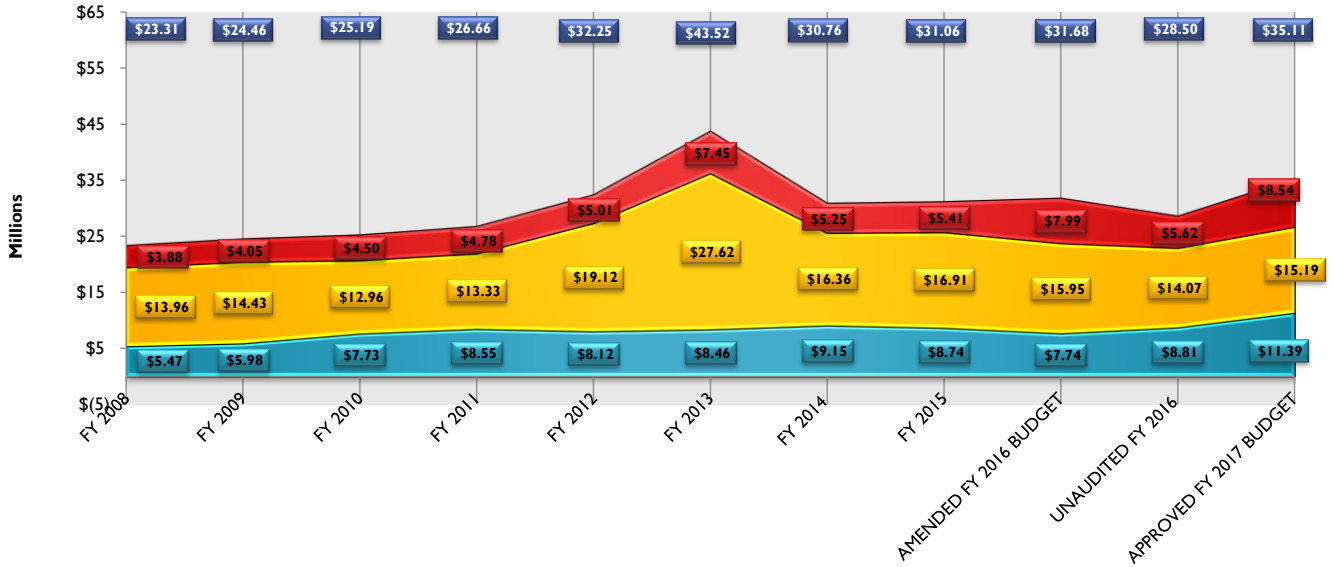
is a result of decreases in the fuel market and excess capacity sales opportunities within the Electric Reliability Council of Texas (ERCOT) System. The 10-year overall decrease averages 5.42% per fiscal year.



The following chart illustrates how the cost of personnel services has increased over the last several years. In FY 2008, Brownsville PUB had a total O&M personnel cost of \$25.93 million. The Approved FY 2017 O&M Personnel Budget is estimated at \$40.08 million. The \$1.56 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 5.46% 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.



■ Ongoing Maintenance Requirements 
 ■ Service Demand and Plant Operations 
 ■ Administrative Support Requirements

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## **DEBT SERVICE**

A summary of each system's cost of borrowed money is on page 65, 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, 2016 and 2015 were \$308,804,000 and \$325,352,000 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 3.05 and 2.97 times at September 30, 2016 and 2015, 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 2016 and 2015 contributions to the SRWA were \$5,910,676 and \$5,738,013 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.

**SUMMARY OF DEBT SERVICE REQUIREMENTS**

	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	<b>Unaudited</b> ACTUAL FY 2016	BUDGET FY 2017
Principal	\$ 9,259,000	\$ 10,100,000	\$ 12,066,000	\$ 12,173,000	\$ 12,914,000
Interest	14,652,605	14,154,839	13,508,948	13,730,105	12,897,951
<b>TOTAL</b>	<b>\$ 23,911,605</b>	<b>\$ 24,254,839</b>	<b>\$ 25,574,948</b>	<b>\$ 25,903,105</b>	<b>\$ 25,811,951</b>

Commercial Paper for FY 2017 will incur \$75,000 of interest expense.

**DEBT SERVICE COVERAGE RATIO**

The Debt Service Coverage Ratio is estimated at 3.05 times for Year-end FY 2016, compared to 2.27 in the Amended FY 2016 Budget and 2.34 times budgeted for FY 2017. The Brownsville PUB’s minimum coverage is 1.25 times per current bond covenants.

**CAPITAL BUDGET**

The Board adopted the FY 2016 Capital Budget on September 12, 2016.

The FY 2017 Capital Budget totals \$59,558,201 which is \$3,442,135 more than the Brownsville PUB approved FY 2016 Budget of \$56,116,066. The BPUB’s five-year capital needs increased from \$204.59 million for FY 2016 to \$231.62 million for FY 2017 for a total increase of \$27.03 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 2017 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 2017, 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 2017 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 2017 Capital Budget for the electric system include the replacement of the Electrical SCADA System software and hardware. The proposed Tenaska Brownsville Generating Station project includes planning, consulting, engineering and feasibility



services associated with the purchase of a 25% share of the proposed 800-MW natural gas-fueled Tenaska Brownsville Generating Station.

For the water system, the major projects include the replacement of the one million gallon Southmost Elevated Storage Tank. The construction phase of the Water Treatment Plant I and II Filter System Rehabilitation Project will improve effectiveness and efficiency by upgrading/replacing the water plants' filtration systems. The Martinal – FM 511 Waterline Loop will include the design and construction of a waterline loop from the Elevated Storage Tank on Martinal to FM 511 near the Rio del Sol Subdivision. Also, an extension of the Brownsville PUB water distribution system along the Military Highway will serve an area that the Military Highway Water Supply Corporation intends to abandon due to a Military Hwy (US 281) TxDOT construction project.

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 design of the same type of system for 8 of 16 lift stations which are currently under construction with an estimated completion date of May 2017. The remaining 8 lift stations are currently under design and are anticipated to be ready for construction in the first quarter of 2017. 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 providing first time wastewater collection service to residents 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 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).

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The following table illustrates major expenditures that account for 80.49% of the total approved FY 2017 Capital Budget.

UTILITY	PROJECT DESCRIPTION	APPROVED	APPROVED	APPROVED
		FY2016 CARRYOVER BUDGET	FY2017 BUDGET	TOTAL FY2017 BUDGET
<b>ELECTRIC</b>				
	One 15/20/25/28 MVA Power Transformer (Board-approved on April 11, 2016)	\$ 415,254	\$ -	\$ 415,254
	New Connections	420,511	715,000	1,135,511
	New Subdivisions	321,028	205,670	526,698
	Trouble Calls & Service Increases	330,442	769,000	1,099,442
	Transmission High Production Line Washer (FY 2016 carryover balance)	690,000	-	690,000
	Power Plant Substation Upgrade, 69KV to 138KV	-	500,000	500,000
	Electrical SCADA Replacement of System Software and Hardware	320,000	1,690,000	2,010,000
	Brownsville Electric Generating Station - Planning & Development services (FY 2016 carryover balance)	2,776,685	-	2,776,685
	Cross Valley Natural Gas Pipeline (FY 2015 carryover balance)	4,403,542	-	4,403,542
	Oklauion Capital Improvements	-	2,008,811	2,008,811
	<b>UTILITY TOTAL:</b>	<b>9,677,462</b>	<b>5,888,481</b>	<b>15,565,943</b>
<b>WATER</b>				
	Water New Connections	-	650,000	650,000
	New one (1) Million Gallon Elevated Storage Tank to Replace the Southmost Elevated Storage Tank	-	3,631,000	3,631,000
	Filter System Rehabilitation Project at Water Treatment Plants No. 1 and No. 2 (construction phase; FY 2016 carryover balance)	955,915	-	955,915
	Martinal Area Waterline System Loops	-	630,433	630,433
	12-inch Waterline West of Hwy 77	-	1,345,000	1,345,000
	<b>UTILITY TOTAL:</b>	<b>955,915</b>	<b>6,256,433</b>	<b>7,212,348</b>
<b>WASTEWATER</b>				
	Wastewater New Connections	-	450,000	450,000
	Ultra Violet Light Canopy Project	-	416,440	416,440
	Launder Cover System (FY 2016 carryover balance)	790,200	-	790,200
	Rehabilitation of Lift Station No. 7, 18 and 68	486,064	-	486,064
	Lift Station No. 72 Replacement	-	635,000	635,000
	Lift Station No. 44 Rehabilitation	-	550,000	550,000
	Lift Station No. 68 Rehabilitation	-	555,000	555,000
	Lift Station No. 69 Rehabilitation	-	480,000	480,000
	Lift Station No. 95 Rehabilitation	-	535,000	535,000
	Lift Station No. 63 MCC Building Replacement	-	400,000	400,000
	FM 511-802 Colonia Wastewater Improvements Project - Local share of grant (FY 2016 carryover balance)	1,335,885	-	1,335,885
	Downtown Market Square Improvements (FY 2016 carryover balance)	841,445	-	841,445
	Las Palmas first time sewer collection project	-	1,052,134	1,052,134
	Vapor Phase Odor Control Design, Bidding & Construction Services - Phase 1 (FY 2016 carryover balance)	2,189,830	-	2,189,830
	Vapor Phase Odor Control Design, Bidding & Construction Services - Phase 2	-	2,550,000	2,550,000
	BECC/NADBANK Home Connections in FM511/802 Colonias Project Area	-	3,000,000	3,000,000
	Proposed Wastewater Effluent Reuse Line - Engineering and Feasibility Services (FY 2016 carryover balance)	1,542,240	-	1,542,240
	Proposed Industrial Wastewater Transportation Service - Engineering and Feasibility Services (FY 2016 carryover balance)	260,881	-	260,881
	<b>UTILITY TOTAL:</b>	<b>7,446,545</b>	<b>10,623,574</b>	<b>18,070,119</b>
<b>GENERAL</b>				
	Architect/engineering design services for Administration Building Annex	1,597,537	-	1,597,537
	Architect/engineering design services for FM 511 Facilities Relocation Project	1,116,931	-	1,116,931
	An Annex Administration Building, a new Service Center (FM 511) and remodeling of the existing Administration Building	-	1,000,000	1,000,000
	<b>UTILITY TOTAL:</b>	<b>2,714,468</b>	<b>1,000,000</b>	<b>3,714,468</b>
<b>VEHICLES AND OTHER EQUIPMENT</b>				
	All Vehicles	821,252	1,618,920	2,440,172
	Other Equipment & Computers	225,813	706,564	932,377
	<b>TOTAL:</b>	<b>1,047,065</b>	<b>2,325,484</b>	<b>3,372,549</b>
	<b>GRAND TOTAL:</b>	<b>\$ 21,841,455</b>	<b>\$ 26,093,972</b>	<b>\$ 47,935,427</b>

OVERALL CIP TOTAL: 59,558,201  
% vs Overall Proposed Budget Total: 80.49%

\* Includes \$11.6 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 2017.

Capital projects are discussed in additional detail on pages 217 through 330.

**TRANSFER TO THE CITY OF BROWNSVILLE**

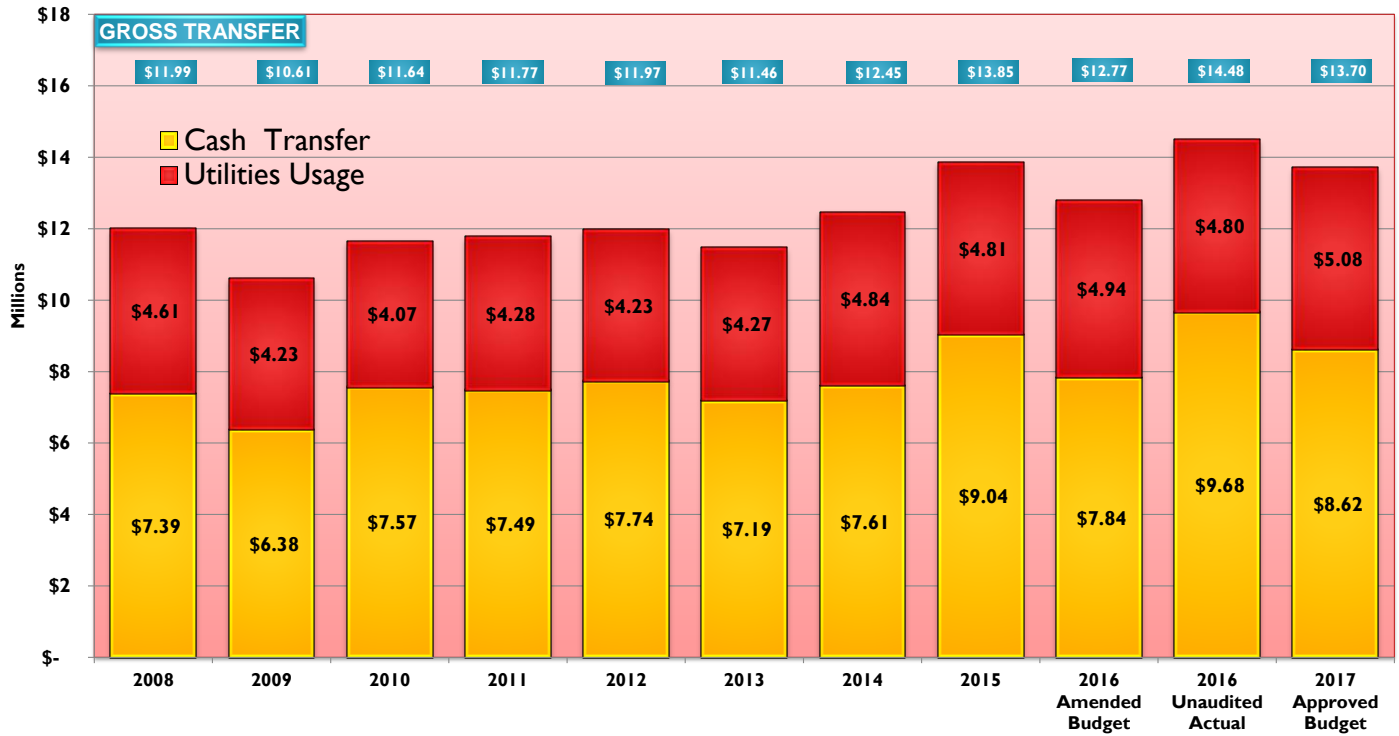
Beginning in FY 2006 transfers to the City of Brownsville (City) are undertaken on a quarterly basis calculated at ten percent (10%) of gross revenues received for the preceding fiscal year quarter, as adjusted in accordance with the following bond covenant: (1) prior to applying the percentage set forth 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 2016 estimated year-end gross transfer is set at \$14,479,942, up \$1,707,332 from the FY 2016 Amended budget, with a net cash transfer of \$9,675,830. The FY 2017 approved budget gross transfer is \$13,697,288.

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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)



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## **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, 2015. 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, 2015**

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 2016-17 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 36.

### **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 8.4.3 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 2017 TIMETABLE**

1	May 9, 2016	Monday	Distribute Budget Process Timetable to the Board	CFO
2	May 23 - 27, 2016	Week of	Establish BPUB Teams & Meetings	Financial Planning Team
3	May 25, 2016	Wednesday	BUDGET KICKOFF - Distribution of FY 2017 Budget Instructions, Forms for Equipment Requests and Projects, and Performance Measures	Financial Planning Team
4	May 25, 2016	Wednesday	Open Budget Program for User Data Entry	Financial Planning Team
5	June 24, 2016	Friday	Close Budget Program data entry access	Financial Planning Team
6	June 24, 2016	Friday	O&M Budget, Equipment Requests, Project Request Forms & Changes to FY 2017 CIP due	All Departments
7	June 29, 2016	Wednesday	Finance Committee Meeting	CFO
8	July 1, 2016	Friday	Send Equipment Requests to respective BPUB Budget Teams (Vehicle, Computer & Other Equipment) for recommendations	Financial Planning Team
9	July 15, 2016	Friday	Department Performance Measures due	All Departments
10	July 15, 2016	Friday	Teams' recommendations due	Teams
11	July 19, 2016	Tuesday	First DRAFT of budget complete	Financial Planning Team
12	July 21, 2016	Thursday	Distribute first DRAFT of budget and meet with Executive Team	CFO
13	July 25 - 29, 2016	Week of	Directors and Managers balance budget	All Directors & Managers
14	August 1, 2016	Monday	Submit all budget changes to Financial Planning Team	All Departments
15	August 2, 2016	Tuesday	Finance Committee Meeting to discuss FY 2017 Preliminary O&M	CFO
16	August 18, 2016	Thursday	Finance Committee Meeting to discuss FY 2017 Preliminary O&M	CFO
17	August 25, 2016	Thursday	Finance Committee Meeting to discuss FY 2017 Preliminary O&M	CFO
18	August 30, 2016	Tuesday	Finance Committee Meeting to discuss FY 2017 Preliminary O&M	CFO
19	Aug 29 - Sept 2, 2016	Week of	Individual Board Member Budget Briefings upon request	CFO
20	September 6, 2016	Tuesday	Presentation of Draft Fiscal Year 2017 Budget to the Board in a workshop (if needed)	CFO
21	September 12, 2016	Monday	Present Fiscal Year 2016 Budget to the Board for consideration and approval	CFO

### **NOTES**

1. Southmost Regional Water Authority (SRWA) Budget approved on 8/1/16.

## **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 15<sup>th</sup> 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 10, 2016 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 2.34 for FY 2017, compared to 3.05 unaudited actual for FY 2016, and 2.27 in the Amended FY 2016 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, 2016 and 2015 totaled \$9,675,830 and \$9,040,104, respectively, of which \$2,602,081 and \$2,772,669, respectively, was payable at September 30, 2016 and 2015.

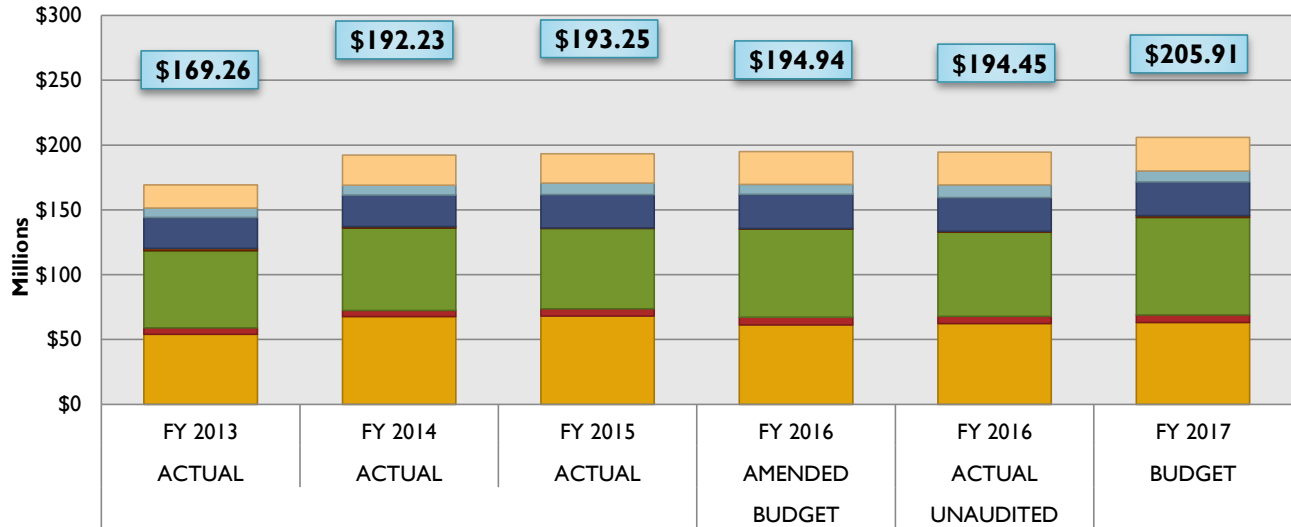
Following is the computation for distribution to the City of Brownsville for FY 2017:

Gross Revenue	\$ 205,913,785
Less:	
Fuel & Energy Costs	59,162,176
Off-system Sales Expenses	3,900,000
Southmost Regional Water Authority (SRWA)	5,878,725
Adjusted Gross Revenues	<u>\$ 136,972,884</u>
Budgeted COB Transfer at 10% of Adjusted Gross Revenues	\$ 13,697,288
Less:	
COB Usage	<u>(5,079,705)</u>
Net Cash Transfer to COB	<u>\$ 8,617,583</u>

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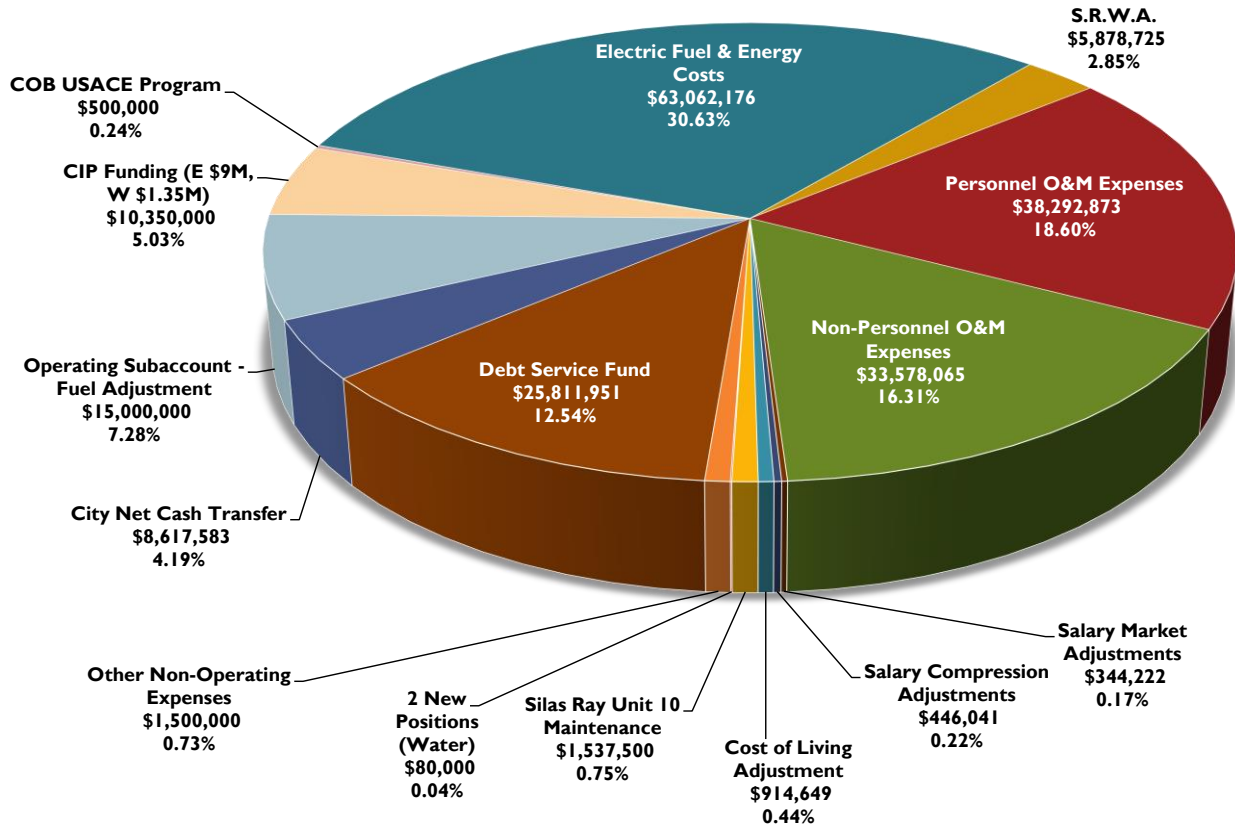
# ***BUDGET RECAP***

# TOTAL COMBINED UTILITY REQUIREMENTS

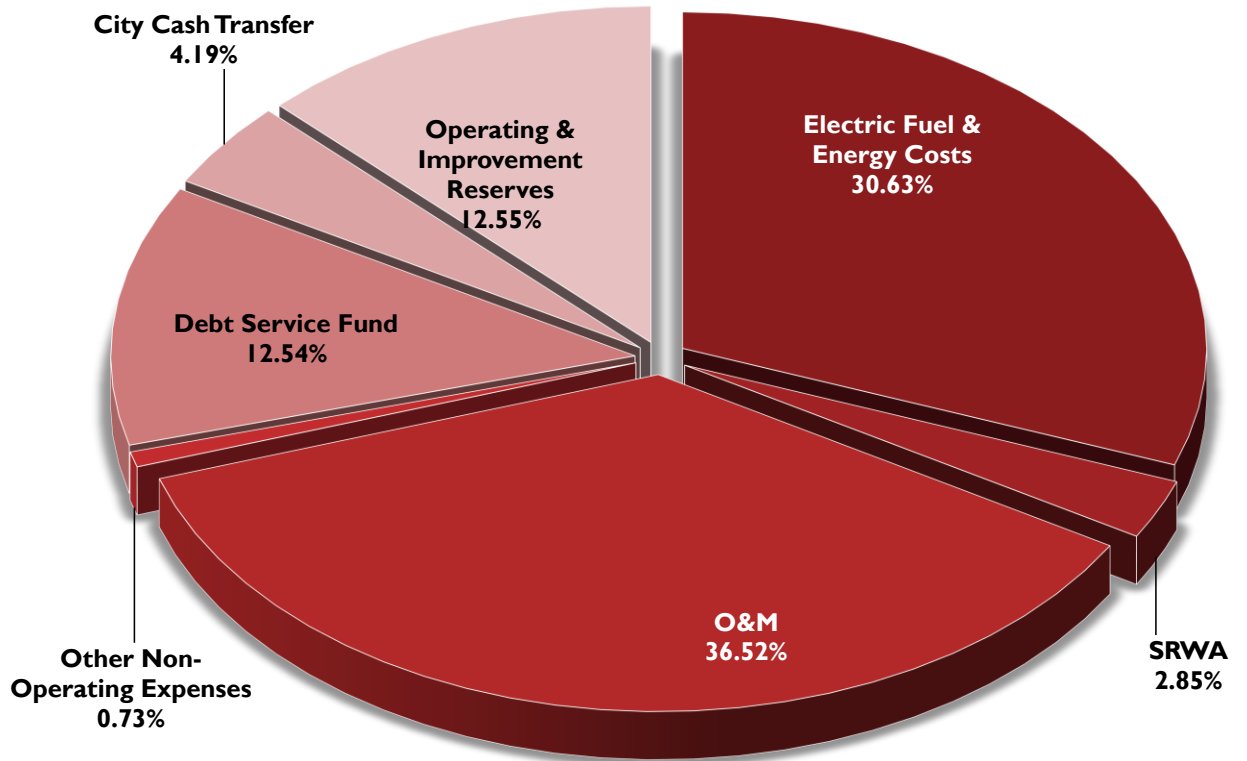


- Electric Fuel & Energy Costs
- SRWA
- O&M
- Other Non-Operating Expenses
- Debt Service Fund
- City Cash Transfer
- Operating & Improvement Reserves

## FY 2017 USES OF FUNDS (\$205,913,785)



# FY 2017 REQUIREMENTS AS A PERCENT OF TOTAL BUDGET

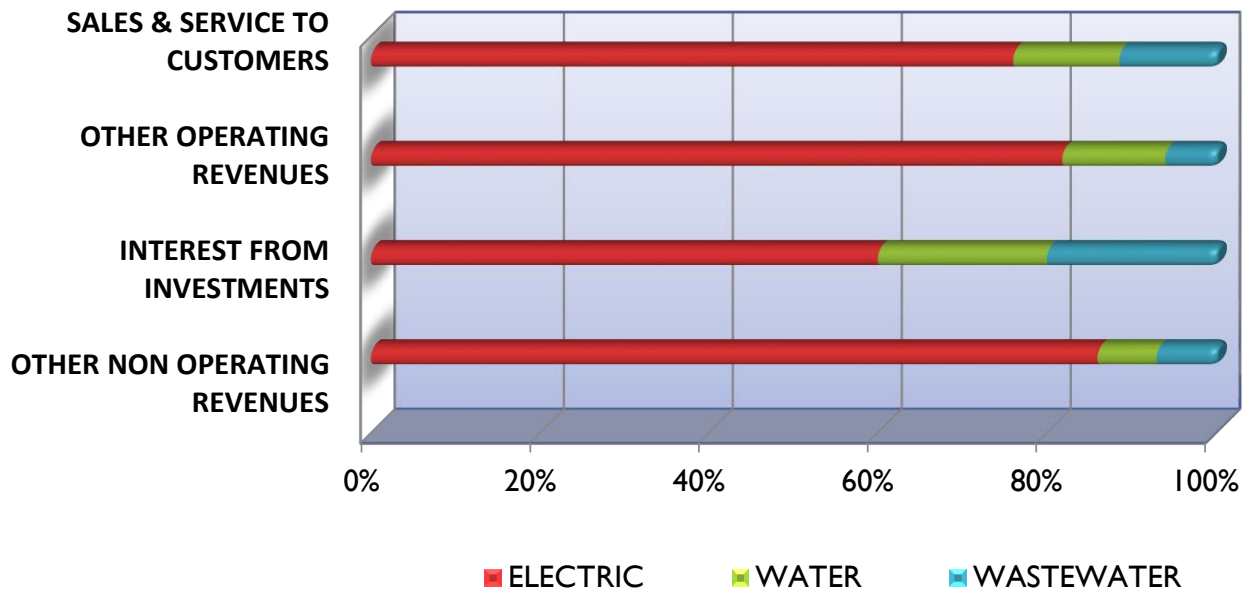


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## BUDGET RECAP FY 2017 REVENUES

	<u>SALES &amp; SERVICE TO CUSTOMERS</u>	<u>OTHER OPERATING REVENUES</u>	<u>INTEREST FROM INVESTMENTS</u>	<u>OTHER NON- OPERATING REVENUES</u>	<u>TOTAL</u>
ELECTRIC	\$ 147,136,733	\$ 8,229,606	\$ 480,000	\$ 1,290,000	\$ 157,136,339
WATER	24,283,989	1,224,900	160,000	105,000	25,773,889
WASTEWATER	22,135,194	603,363	160,000	105,000	23,003,557
<i>TOTAL REVENUE</i>	<u>\$ 193,555,916</u>	<u>\$ 10,057,869</u>	<u>\$ 800,000</u>	<u>\$ 1,500,000</u>	<u>\$ 205,913,785</u>

### FY 2017 REVENUES Utility Percent by Revenue Type





**OPERATIONS & MAINTENANCE EXPENSE RECAP BY TYPE  
FY 2007 - FY 2017**

<b>TYPE</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012</b>
61 Personnel Salaries & Wages	\$ 15,351,493	\$ 16,280,172	\$ 17,226,687	\$ 18,084,903	\$ 19,028,839	\$ 19,761,782
62 Personnel Services	7,523,607	9,646,049	10,768,548	10,055,961	10,127,334	9,847,583
71 Operating Office Expenses	3,818,131	4,503,929	3,946,984	4,034,828	3,894,947	3,896,372
72 Operating Materials & Supplies	3,553,874	4,663,022	4,771,990	4,544,250	5,081,043	5,246,147
73 Operating Miscellaneous General Exp	7,029,652	8,744,332	9,120,594	9,778,898	10,582,578	11,894,623
74 Operating Transportation Expense	850,906	1,158,666	807,294	973,497	1,123,541	1,060,732
75 Operating Maint. of General Plant	1,086,579	833,581	1,346,455	3,105,675	3,234,646	2,794,117
76 Operating Consultants/Outside Svc	6,202,624	6,762,368	8,018,066	6,545,497	6,739,576	7,946,964
77 Operating Fuel & Purchase Power	63,765,564	96,796,434	62,993,313	57,515,639	54,164,284	48,449,645
78 Operating Purch/Minor Tools & Equip	656,683	923,648	798,764	773,388	811,621	799,817
<b>Grand Total</b>	<b>\$ 109,839,114</b>	<b>\$ 150,312,200</b>	<b>\$ 119,798,696</b>	<b>\$ 115,412,536</b>	<b>\$ 114,788,408</b>	<b>\$ 111,697,781</b>
<b>LESS:</b>						
Fuel & Purchase Power	\$ 63,765,564	\$ 96,796,434	\$ 62,993,313	\$ 57,515,639	\$ 54,164,284	\$ 48,449,645
SRWA Obligations	4,045,960	4,281,955	4,352,653	4,566,315	4,811,178	5,616,176
<b>Subtotal</b>	<b>\$ 42,027,590</b>	<b>\$ 49,233,812</b>	<b>\$ 52,452,729</b>	<b>\$ 53,330,582</b>	<b>\$ 55,812,946</b>	<b>\$ 57,631,960</b>
Less Personnel	\$ 22,875,100	\$ 25,926,221	\$ 27,995,235	\$ 28,140,864	\$ 29,156,174	\$ 29,609,365
<b>Non-Personnel</b>	<b>\$ 19,152,488</b>	<b>\$ 23,307,592</b>	<b>\$ 24,457,494</b>	<b>\$ 25,189,717</b>	<b>\$ 26,656,774</b>	<b>\$ 28,022,595</b>

<b>TYPE</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>AMENDED FY 2016 BUDGET</b>	<b>UNAUDITED FY 2016</b>	<b>APPROVED FY 2017 BUDGET</b>
61 Personnel Salaries & Wages	\$ 21,047,184	\$ 22,404,937	\$ 23,121,728	\$ 24,949,692	\$ 24,046,866	\$ 25,169,777
62 Personnel Services	10,765,207	11,521,694	10,151,354	12,907,616	12,899,061	14,908,007
71 Operating Office Expenses	4,159,671	4,554,927	4,698,777	4,651,178	4,765,877	5,240,674
72 Operating Materials & Supplies	5,362,003	4,982,058	4,846,856	4,574,734	4,627,571	4,420,393
73 Operating Miscellaneous General Exp	10,033,119	9,773,350	11,042,760	11,891,009	10,410,513	12,068,217
74 Operating Transportation Expense	1,132,352	1,219,496	1,072,288	956,640	967,216	1,022,890
75 Operating Maint. of General Plant	2,029,564	3,688,413	2,983,094	2,246,323	2,570,615	4,263,859
76 Operating Consultants/Outside Svc	9,159,599	9,059,971	8,449,677	10,628,320	9,448,664	12,751,185
77 Operating Fuel & Purchase Power	54,041,195	67,598,265	68,002,097	61,300,000	62,230,858	63,062,176
78 Operating Purch/Minor Tools & Equip	786,125	1,018,516	1,271,213	1,142,367	994,557	1,227,071
<b>Grand Total</b>	<b>\$ 118,516,018</b>	<b>\$ 135,821,627</b>	<b>\$ 135,639,845</b>	<b>\$ 135,247,879</b>	<b>\$ 132,961,799</b>	<b>\$ 144,134,251</b>
<b>LESS:</b>						
Fuel & Purchase Power	\$ 54,041,195	\$ 67,598,265	\$ 68,002,097	\$ 61,300,000	\$ 62,230,858	\$ 63,062,176
SRWA Obligations	4,867,682	4,942,996	5,738,013	5,910,676	5,743,676	5,878,725
<b>Subtotal</b>	<b>\$ 59,607,141</b>	<b>\$ 63,280,366</b>	<b>\$ 61,899,735</b>	<b>\$ 68,037,203</b>	<b>\$ 64,987,265</b>	<b>\$ 75,193,350</b>
Less Personnel	\$ 31,812,390	\$ 33,926,631	\$ 33,273,082	\$ 37,857,308	\$ 36,945,928	\$ 40,077,785
<b>Non-Personnel</b>	<b>\$ 27,794,751</b>	<b>\$ 29,353,735</b>	<b>\$ 28,626,653</b>	<b>\$ 30,179,895</b>	<b>\$ 28,041,337</b>	<b>\$ 35,115,565</b>

**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 2017

		TYPE DESCRIPTION					
		61	62	71	72	73	74
ORG. NO.	DEPARTMENT	SALARIES & WAGES	PERSONNEL SERVICES	OFFICE EXPENSES	MATERIALS & SUPPLIES	MISC. GENERAL EXP.	TRANSP. EXP.
1110	General Manager	\$ 310,442	\$ 108,058	\$ 89,798	\$ 750	\$ 3,700	\$ -
1120	Internal Audit	195,582	77,090	13,331	100	715	500
1125	Key Account Marketing	187,610	83,652	28,190	250	9,500	700
1130	Communications & Administrative Svc	155,153	62,440	11,450	750	6,500	-
1135	Communications & Public Relations	214,323	88,283	356,515	7,300	45,100	500
1140	Organizational Development	181,190	72,484	36,100	500	4,200	200
1145	Electrical Systems	297,835	101,922	11,206	200	200	-
1150	Board of Directors	-	-	107,775	500	11,700	-
1165	Records Management	101,203	45,025	16,410	1,200	20,000	1,000
1410	Environmental Services	314,122	143,056	20,915	25,500	439,500	1,000
1420	Environmental Compliance	370,100	144,892	29,800	25,750	28,750	1,000
1422	Analytical Lab	706,762	297,823	83,916	133,800	29,555	5,500
1430	Pre-treatment	475,416	199,847	19,000	9,500	12,500	4,000
1440	Health & Safety	328,486	130,152	33,850	26,000	37,100	4,000
2110	Elect Trans & Dist Support Services	-	-	13,250	13,500	14,500	6,000
2120	Substations and Relaying	976,755	433,899	138,750	47,700	51,700	13,000
2130	Elec Trans&Dist New Construction	697,968	310,384	16,350	107,250	67,000	50,000
2140	Elec Trans & Dist Maintenance	765,058	324,617	4,750	112,500	44,600	50,000
2150	Energy Control Center Operations	949,604	360,193	74,250	500	7,700	500
2210	SCADA & Electrical Support Services	967,028	420,527	32,800	202,500	321,900	15,000
2220	Power Production	1,460,675	604,311	265,093	120,168	37,000	3,400
2310	Electric Meter Shop	325,325	148,735	8,100	26,250	7,000	6,000
2410	Electric Engineering	566,357	220,074	16,371	2,250	2,900	2,500
3110	W&WW Eng, Planning & Operations	112,363	49,550	12,045	-	800	-
3120	Water Plant I	394,606	182,019	256,655	734,283	6,508	2,000
3130	Water Plant II	284,537	139,721	229,246	707,754	8,008	1,500
3135	Resaca Maintenance	479,898	291,363	19,665	123,302	13,600	36,000
3140	Raw Water Supply	131,611	65,002	170,039	60,900	2,250	15,000
3145	W/WW Plant Maintenance	539,050	248,365	23,040	71,100	10,747	19,000
3150	W/WW Operations & Construction	1,789,825	876,544	68,500	540,700	34,100	180,000
3210	South Wastewater Treatment Plant	348,748	172,897	481,500	147,314	15,750	20,500
3220	Robindale Wastewater Treatment Plnt	432,250	194,670	524,200	244,080	22,750	7,500
3230	Wastewater Lift Stations	1,260,312	582,362	602,705	671,390	33,941	73,689
3310	Water & Wastewater Engineering	577,691	227,909	28,943	2,500	17,450	17,000
4105	Operations	253,864	92,101	29,035	-	200	-
4110	Energy Risk Management	161,949	60,961	9,900	-	500	-
4210	NERC Compliance	308,007	117,915	23,000	-	76,250	-
4220	Fuel & Purchased Energy Supply	65,811	24,653	12,050	-	900,700	-
4230	Natural Gas Utility Management	-	-	2,100	-	500	-
4310	Operational Support Services	368,904	135,345	18,850	650	3,500	-
5110	Finance	463,583	177,699	40,942	300	12,000	-
5120	Accounting	625,184	274,124	19,740	175	1,320	-
5130	Purchasing	325,047	139,944	49,825	2,000	4,300	-
5140	Revenue Recovery	133,219	59,124	5,046	5,676	3,975	2,500
6105	Customer & Information Services	183,066	78,119	11,475	-	100,250	-
6110	Customer Service	476,429	232,652	8,675	1,200	6,000	-
6115	Collections	130,696	65,773	1,340	500	703,500	1
6120	Billing	218,202	117,233	346,620	62,000	85,800	4,000
6125	Call Center	331,596	174,362	4,600	1,060	1,000	-
6130	Meter Services	356,878	161,067	10,724	11,092	16,470	25,000
6135	CIS Support	158,685	60,318	8,414	300	500	-
6145	Energy Efficiency & Conservation	42,307	19,493	10,150	400	457,525	-
6150	Meter Reading	417,928	209,842	8,340	25,000	26,500	15,000
6160	Cashiers	276,201	139,317	9,700	4,500	1,000	-
7120	Risk/Insurance Management	97,739	39,125	1,700	150	2,125,500	2,000
7130	Information Technology	982,533	409,644	216,700	7,000	1,400	1,000
7135	Geographic Information Systems	436,483	202,095	39,250	3,000	172,000	5,000
7140	Human Resources	165,477	420,072	57,450	500	61,500	-
7145	Talent Acquisition and Staffing	146,446	64,542	55,720	500	700	-
7150	Fleet Management	373,306	155,876	47,000	42,500	41,800	428,500
7155	Compensation & Benefits	218,035	148,504	25,220	500	2,500	-
7160	Facility Maintenance	123,244	65,860	320,600	78,000	678	400
7170	Warehouse	172,649	95,791	2,000	4,850	2,400	2,500
9110	Company-wide Expenses	258,423	3,558,593	-	500	5,888,725	-
9150	Prior FY Encumbered Budget	-	-	-	-	-	-
<b>Grand Total</b>		<b>\$ 25,169,777</b>	<b>\$ 14,908,007</b>	<b>\$ 5,240,674</b>	<b>\$ 4,420,393</b>	<b>\$ 12,068,217</b>	<b>\$ 1,022,890</b>
<b>LESS:</b>							
	Fuel & Purchase Power	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	SRWA Obligations	-	-	-	-	5,878,725	-
<b>TOTAL OPERATIONS &amp; MAINTENANCE</b>		<b>\$ 25,169,777</b>	<b>\$ 14,908,007</b>	<b>\$ 5,240,674</b>	<b>\$ 4,420,393</b>	<b>\$ 6,189,492</b>	<b>\$ 1,022,890</b>

**OPERATIONS & MAINTENANCE EXPENSE RECAP BY DEPARTMENT & TYPE  
FY 2017**

TYPE DESCRIPTION					
75	76	77	78		
MAINT. OF GENERAL PLANT	CONSULTANTS/ OUTSIDE SVC.	FUEL AND		PURCH/MINOR TOOLS & EQUIP.	GRAND TOTAL
		PURCHASED POWER			
\$ -	\$ 1,021,500	\$ -	\$ 300	\$ -	\$ 1,534,547
-	-	-	650	-	287,969
-	8,500	-	6,184	-	324,585
-	30,000	-	-	-	266,293
-	375,450	-	3,100	-	1,090,571
-	116,100	-	2,800	-	413,575
-	1,200	-	1,000	-	413,563
-	300,000	-	-	-	419,975
-	49,000	-	13,330	-	247,167
-	170,500	-	4,400	-	1,118,993
10,000	310,000	-	4,150	-	924,442
35,000	286,110	-	37,089	-	1,615,555
10,000	74,000	-	2,500	-	806,763
-	653,800	-	27,050	-	1,240,437
123,000	3,000	-	22,000	-	195,250
83,000	45,000	-	35,500	-	1,825,305
100,000	13,200	-	47,700	-	1,409,852
423,500	10,000	-	75,000	-	1,810,025
2,350	1,250	-	23,760	-	1,420,107
71,000	168,000	-	46,600	-	2,245,354
2,107,100	135,000	9,327,176	23,000	-	14,082,923
103,500	500	-	8,200	-	633,610
239,584	1,419,930	-	9,665	-	2,479,632
-	10,000	-	700	-	185,458
77,125	79,000	-	39,900	-	1,772,096
75,000	124,000	-	28,500	-	1,598,265
18,100	16,672	-	1,400	-	1,000,000
15,000	19,000	-	18,050	-	496,852
-	356,274	-	37,500	-	1,305,076
624,400	800,089	-	105,840	-	5,019,998
11,000	77,787	-	18,500	-	1,293,996
47,000	86,700	-	25,600	-	1,584,750
15,300	281,521	-	168,559	-	3,689,779
400	111,000	-	2,000	-	984,893
-	175,000	-	750	-	550,950
-	50,000	-	5,300	-	288,610
-	5,000	-	9,000	-	539,172
-	90,000	53,735,000	6,000	-	54,834,214
-	25,000	-	-	-	27,600
-	67,500	-	2,600	-	597,350
-	295,000	-	1,821	-	991,345
-	16,047	-	1,853	-	938,442
15,000	500	-	1,335	-	537,950
-	-	-	1,500	-	211,040
-	10,500	-	2	-	383,412
-	46,700	-	25,000	-	796,656
-	3,000	-	1,300	-	906,110
-	5,701	-	1,300	-	840,856
-	1,500	-	3,500	-	517,618
500	3,223	-	500	-	585,454
-	212,775	-	-	-	440,992
-	38,000	-	750	-	568,625
1,500	10,000	-	1,000	-	715,110
-	421,200	-	11,000	-	862,918
-	110,000	-	-	-	2,376,215
-	729,501	-	75,001	-	2,422,779
5,000	215,000	-	55,000	-	1,132,828
-	342,000	-	17,400	-	1,064,398
-	20,000	-	31,500	-	319,408
-	376,000	-	38,000	-	1,502,983
-	90,000	-	12,000	-	496,759
50,000	518,000	-	500	-	1,157,282
500	27,200	-	2,632	-	310,522
-	1,692,755	-	80,000	-	11,478,996
-	-	-	-	-	-
\$ 4,263,859	\$ 12,751,185	\$ 63,062,176	\$ 1,227,071	\$ -	\$ 144,134,251
\$ -	\$ -	\$ 63,062,176	\$ -	\$ -	\$ 63,062,176
-	-	-	-	-	5,878,725
\$ 4,263,859	\$ 12,751,185	\$ 0	\$ 1,227,071	\$ -	\$ 75,193,350

## OPERATIONS & MAINTENANCE EXPENSE RECAP BY DEPARTMENT FY 2013 – FY 2017

ORG. NO.	DEPARTMENT	Actual FY 2013	Actual FY 2014	Actual FY 2015	Amended Budget FY 2016	UNAUDITED Actual FY 2016	Approved Budget FY 2017
1110	GENERAL MANAGER	\$ 1,858,368	\$ 1,758,450	\$ 1,470,183	\$ 1,564,811	\$ 1,372,933	\$ 1,534,547
1120	INTERNAL AUDIT	213,453	290,130	263,607	270,000	287,609	287,969
1125	KEY ACCOUNT MARKETING	150,107	140,389	188,488	338,176	258,160	324,585
1130	COMMUNICATIONS & ADMINISTRATIVE SVC	246,850	295,303	237,857	260,620	263,706	266,293
1135	COMMUNICATIONS & PUBLIC RELATIONS	694,482	736,094	704,861	830,455	732,642	1,090,571
1140	ORGANIZATIONAL DEVELOPMENT	292,062	350,661	334,940	393,611	326,850	413,575
1145	ELECTRICAL SYSTEMS	160,950	253,326	(5,326)	366,009	398,292	413,563
1150	BOARD OF DIRECTORS	274,356	264,117	308,905	408,850	192,998	419,975
1165	RECORDS MANAGEMENT	207,686	204,587	170,244	211,254	209,021	247,167
1410	ENVIRONMENTAL SERVICES	691,102	881,209	1,046,889	1,007,896	997,851	1,118,993
1420	ENVIRONMENTAL COMPLIANCE	846,421	875,292	878,168	793,073	940,012	924,442
1422	ANALYTICAL LAB	1,267,040	1,454,372	1,535,075	1,453,974	1,518,000	1,615,555
1430	PRE-TREATMENT	600,140	672,845	778,529	718,692	921,694	806,763
1440	HEALTH & SAFETY	757,114	1,012,000	1,019,317	1,022,493	1,063,170	1,240,437
2110	TRANS. DIST. SUBSTATIONS & PLANNING	-	127,050	196,306	197,001	27,493	195,250
2120	SUBSTATIONS AND RELAYING	948,319	1,026,105	1,076,642	1,114,782	1,631,298	1,825,305
2130	ELEC TRANS&DIST NEW CONSTRUCTION	1,676,647	1,215,946	1,240,409	1,347,951	1,203,109	1,409,852
2140	ELEC TRANS & DIST MAINTENANCE	2,252,265	2,483,879	2,423,675	2,050,168	2,088,880	1,810,025
2150	ENERGY CONTROL CENTER OPERATIONS	1,131,651	1,280,018	1,323,880	1,309,142	1,374,533	1,420,107
2210	SCADA & ELECTRICAL SUPPORT SERVICES	48,082,539	61,353,772	1,941,985	1,990,319	1,966,804	2,245,354
2220	POWER PRODUCTION	13,354,143	13,735,239	13,406,402	13,547,328	11,759,733	14,082,923
2310	ELECTRIC METER SHOP	524,894	559,199	583,928	583,254	604,392	633,610
2410	ELECTRIC ENGINEERING	1,649,897	1,596,731	1,628,751	1,817,088	1,883,429	2,479,632
3110	W&WW ENG. PLANNING & OPERATIONS	365,778	204,461	212,697	192,844	212,382	185,458
3120	WATER PLANT I (1)	1,715,990	1,615,837	1,539,797	1,582,379	1,404,477	1,772,096
3130	WATER PLANT II (1)	1,296,562	1,293,962	1,330,505	1,285,090	1,449,384	1,598,265
3135	RESACA MAINTENANCE	1,705,909	1,988,617	1,994,289	1,048,587	1,235,310	1,000,000
3140	RAW WATER SUPPLY	481,771	346,835	467,096	478,561	401,452	496,852
3145	W/WW PLANT MAINTENANCE	949,331	1,066,212	1,078,039	1,105,506	1,099,087	1,305,076
3150	W/WW OPERATIONS & CONSTRUCTION	3,965,262	4,400,794	4,867,291	4,674,448	4,905,123	5,019,998
3210	SOUTH WASTEWATER TREATMENT PLANT	1,290,717	1,341,374	1,206,850	1,276,605	1,328,349	1,293,996
3220	ROBINDALE WASTEWATER TREATMENT PLNT	1,408,586	1,545,107	1,541,478	1,436,254	1,478,345	1,584,750
3230	WASTEWATER LIFT STATIONS	3,563,708	4,171,002	4,018,535	4,015,873	4,146,070	3,689,779
3310	WATER & WASTEWATER ENGINEERING	1,304,731	1,257,974	961,672	1,058,580	825,423	984,893
4105	OPERATIONS	-	64,261	593,158	593,175	565,065	550,950
4110	ENERGY RISK MANAGEMENT	-	85,669	189,885	173,897	235,725	288,610
4210	NERC COMPLIANCE	-	81,621	345,388	422,006	400,814	539,172
4220	FUEL & PURCHASED ENERGY SUPPLY	-	72,456	59,434,409	51,794,421	54,023,369	54,834,214
4230	NATURAL GAS UTILITY MANAGEMENT	-	-	-	27,600	-	27,600
4310	OPERATIONAL SUPPORT SERVICES	-	100,561	160,133	262,645	593,026	597,350
5110	FINANCE	1,185,546	747,328	644,433	938,691	922,894	991,345
5120	ACCOUNTING	560,484	629,252	593,214	844,696	893,622	938,442
5130	PURCHASING	308,362	316,717	338,381	440,826	488,672	537,950
5140	REVENUE RECOVERY	219,915	204,369	202,753	203,136	204,699	211,040
6105	CUSTOMER & INFORMATION SERVICES	266,871	299,291	314,368	269,896	304,995	383,412
6110	CUSTOMER SERVICE	535,719	607,131	714,320	679,536	803,672	796,656
6115	COLLECTIONS	538,899	159,686	699,408	883,246	199,987	906,110
6120	BILLING	756,020	726,634	792,543	829,836	836,909	840,856
6125	CALL CENTER	461,606	470,010	453,762	555,325	531,393	517,618
6130	METER SERVICES	490,682	498,367	552,826	529,578	506,689	585,454
6135	CIS SUPPORT	354,398	345,706	414,970	523,992	378,490	440,992
6145	ENERGY EFFICIENCY & CONSERVATION	252,055	299,778	279,542	485,425	528,878	568,625
6150	METER READING	665,710	613,681	717,684	675,399	609,900	715,110
6160	CASHIERS	699,368	862,637	822,641	790,092	881,495	862,918
7110	ADMINISTRATIVE SERVICES	-	-	-	256,852	-	-
7120	RISK/INSURANCE MANAGEMENT	2,136,434	1,976,056	2,101,642	2,279,402	1,956,302	2,376,215
7130	INFORMATION TECHNOLOGY	1,983,972	2,199,603	2,385,081	2,139,269	2,472,918	2,422,779
7135	GEOGRAPHIC INFORMATION SYSTEMS	810,952	996,970	1,078,671	1,080,500	989,734	1,132,828
7140	HUMAN RESOURCES	962,468	986,040	1,049,416	1,605,686	1,022,416	1,064,398
7145	TALENT ACQUISITION AND STAFFING	-	-	-	262,930	194,634	319,408
7150	FLEET MANAGEMENT	1,266,688	1,342,006	1,293,547	1,221,482	1,631,192	1,502,983
7155	COMPENSATION & BENEFITS	-	-	-	-	-	496,759
7160	FACILITY MAINTENANCE	913,416	818,472	881,109	1,177,776	1,063,858	1,157,282
7170	WAREHOUSE	214,929	211,844	219,458	283,985	304,245	310,522
9110	COMPANY-WIDE EXPENSES	6,776,266	6,807,400	6,276,702	11,265,003	8,222,928	11,478,996
9150	PRIOR FY ENCUMBERED BUDGET	226,430	1,499,193	118,435	-	441,947	-
<b>TOTAL APPROPRIATIONS</b>		<b>\$ 118,516,018</b>	<b>\$ 135,821,627</b>	<b>\$ 135,639,845</b>	<b>\$ 135,247,878</b>	<b>\$ 132,718,475</b>	<b>\$ 144,134,251</b>
<b>LESS:</b>							
FUEL & PURCHASED POWER		\$ 54,041,195	\$ 67,598,265	\$ 68,002,097	\$ 61,300,000	\$ 62,230,858	\$ 63,062,176
SRWA ASSESSMENTS		4,867,682	4,942,996	5,738,013	5,910,676	5,743,676	5,878,725
<b>TOTAL OPERATIONS &amp; MAINTENANCE</b>		<b>\$ 59,607,141</b>	<b>\$ 63,280,366</b>	<b>\$ 61,899,735</b>	<b>\$ 68,037,202</b>	<b>\$ 64,743,941</b>	<b>\$ 75,193,350</b>

**Note:**

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

## OPERATIONS & MAINTENANCE EXPENSE RECAP BY DEPARTMENT FY 2017 Budget

ORGN	DEPARTMENT	OPERATIONS & MAINTENANCE		TOTAL O&M
		PERSONNEL	NON-PERSONNEL	
1110	General Manager	\$ 1,116,048	\$ 418,499	\$ 1,534,547
1120	Internal Audit	15,296	272,673	287,969
1125	Key Account Marketing	53,324	271,261	324,585
1130	Communications & Administrative Svc	48,700	217,593	266,293
1135	Communications & Public Relations	787,965	302,606	1,090,571
1140	Organizational Development	159,900	253,675	413,575
1145	Electrical Systems	13,806	399,757	413,563
1150	Board of Directors	419,975	-	419,975
1165	Records Management	100,940	146,227	247,167
1410	Environmental Services	661,815	457,178	1,118,993
1420	Environmental Compliance	409,450	514,992	924,442
1422	Analytical Lab	610,970	1,004,585	1,615,555
1430	Pre-treatment	131,500	675,263	806,763
1440	Health & Safety	781,800	458,637	1,240,437
2110	Elect Trans & Dist Support Services	195,250	-	195,250
2120	Substations and Relaying	414,650	1,410,655	1,825,305
2130	Elec Trans&Dist New Construction	401,500	1,008,352	1,409,852
2140	Elec Trans & Dist Maintenance	720,350	1,089,675	1,810,025
2150	Energy Control Center Operations	110,310	1,309,797	1,420,107
2210	SCADA & Electrical Support Services	857,800	1,387,554	2,245,354
2220	Power Production	12,017,937	2,064,986	14,082,923
2310	Electric Meter Shop	159,550	474,060	633,610
2410	Electric Engineering	1,693,200	786,432	2,479,632
3110	W&WW Eng, Planning & Operations	23,545	161,913	185,458
3120	Water Plant I	1,195,471	576,625	1,772,096
3130	Water Plant II	1,174,008	424,257	1,598,265
3135	Resaca Maintenance	228,739	771,261	1,000,000
3140	Raw Water Supply	300,239	196,613	496,852
3145	W/WW Plant Maintenance	517,660	787,415	1,305,076
3150	W/WW Operations & Construction	2,353,629	2,666,369	5,019,998
3210	South Wastewater Treatment Plant	772,351	521,645	1,293,996
3220	Robindale Wastewater Treatment Plnt	957,830	626,920	1,584,750
3230	Wastewater Lift Stations	1,847,105	1,842,674	3,689,779
3310	Water & Wastewater Engineering	179,293	805,601	984,893
4105	Operations	204,985	345,965	550,950
4110	Energy Risk Management	65,700	222,910	288,610
4210	NERC Compliance	113,250	425,922	539,172
4220	Fuel & Purchased Energy Supply	54,743,750	90,464	54,834,214
4230	Natural Gas Utility Management	27,600	-	27,600
4310	Operational Support Services	93,100	504,250	597,350
5110	Finance	350,063	641,282	991,345
5120	Accounting	39,135	899,307	938,442
5130	Purchasing	72,960	464,990	537,950
5140	Revenue Recovery	18,697	192,343	211,040
6105	Customer & Information Services	122,227	261,185	383,412
6110	Customer Service	87,575	709,081	796,656
6115	Collections	709,641	196,469	906,110
6120	Billing	505,421	335,435	840,856
6125	Call Center	11,660	505,958	517,618
6130	Meter Services	67,509	517,945	585,454
6135	CIS Support	221,989	219,003	440,992
6145	Energy Efficiency & Conservation	506,825	61,800	568,625
6150	Meter Reading	87,340	627,770	715,110
6160	Cashiers	447,400	415,518	862,918
7120	Risk/Insurance Management	2,239,350	136,865	2,376,215
7130	Information Technology	1,030,602	1,392,177	2,422,779
7135	Geographic Information Systems	494,250	638,578	1,132,828
7140	Human Resources	478,850	585,548	1,064,398
7145	Talent Acquisition and Staffing	108,420	210,988	319,408
7150	Fleet Management	973,800	529,183	1,502,983
7155	Compensation & Benefits	130,220	366,539	496,759
7160	Facility Maintenance	968,178	189,104	1,157,282
7170	Warehouse	42,082	268,440	310,522
9110	Company-wide Expenses	7,661,980	3,817,016	11,478,996
9150	Prior FY Encumbered Budget	-	-	-
	<b>TOTAL APPROPRIATIONS</b>	<b>\$ 104,056,466</b>	<b>\$ 40,077,785</b>	<b>\$ 144,134,251</b>
<b>LESS:</b>				
FUEL & PURCHASED POWER		\$ -	\$ 63,062,176	\$ 63,062,176
SRWA ASSESSMENTS		-	5,876,725	5,876,725
<b>TOTAL OPERATIONS &amp; MAINTENANCE</b>		<b>\$ 104,056,466</b>	<b>\$ (28,861,116)</b>	<b>\$ 75,195,350</b>

**FY 2017 APPROVED BUDGETED NUMBER OF POSITIONS  
BY DIVISION/ORGANIZATION**

<b>DIVISION NAME</b>	<b>ORGANIZATION</b>	<b>POSITION TITLE</b>	<b>NUMBER OF POSITIONS</b>
Communications & Admin Svc Division	1130 Communications & Administrative Svc	ADMINISTRATIVE ASSISTANT	1
		DIR OF COMMUNICATIONS/ADM SERV	1
		<b>ORG TOTAL:</b>	<b>2</b>
	1135 Communications & Public Relations	COMMUNICATIONS & PR COORD	1
		COMMUNICATIONS & PR MANAGER	1
		SENIOR COMM & PR COORDINATOR	1
		WEB SERVICES COORDINATOR	1
		<b>ORG TOTAL:</b>	<b>4</b>
	1165 Records Management	RECORDS ASSISTANT	1
		RECORDS MANAGER	1
		<b>ORG TOTAL:</b>	<b>2</b>
	1440 Health & Safety	ADMINISTRATIVE ASSOCIATE II	1
		HEALTH & SAFETY MANAGER	1
		SECURITY COORDINATOR	1
		SENIOR SAFETY COORDINATOR	1
		SENIOR SAFETY TRAINING COORD	1
WORKERS' COMPENSATION COORD		1	
	<b>ORG TOTAL:</b>	<b>6</b>	
7120 Risk/Insurance Management	RISK MANAGEMENT APPRENTICE	1	
	RISK MANAGER	1	
	<b>ORG TOTAL:</b>	<b>2</b>	
	<b>DIVISION TOTAL:</b>	<b>16</b>	
Customer & Information Svc Division	1125 Key Account Marketing	ADMINISTRATIVE ASSOCIATE II	1
		BUS DEVL & KEY ACCTS MANAGER	1
		BUSINESS DEVELOPMENT REP	1
		KEY ACCOUNTS REPRESENTATIVE	1
		SENIOR KEY ACCOUNTS REP	1
		<b>ORG TOTAL:</b>	<b>5</b>
	6105 Customer & Information Services	ADMINISTRATIVE ASSOCIATE I	1
		ADMINISTRATIVE ASSOCIATE II	1
		DIR OF CUSTOMER/INFO SERVICES	1
		<b>ORG TOTAL:</b>	<b>3</b>
	6110 Customer Service	CUSTOMER SERVICE MANAGER	1
		CUSTOMER SERVICE SUPERVISOR	1
		CUSTOMER SOLUTIONS REP I	3
		CUSTOMER SOLUTIONS REP II	3
		CUSTOMER SOLUTIONS REP III	1
		CUSTOMER SOLUTIONS REP IV	3
		NEW CONNECTIONS COORD	1
		NEW CONNECTIONS REP I	1
		<b>ORG TOTAL:</b>	<b>14</b>
	6115 Collections	CUSTOMER SERVICE SUPERVISOR	1
		CUSTOMER SOLUTIONS REP I	1
		CUSTOMER SOLUTIONS REP II	1
		CUSTOMER SOLUTIONS REP III	1
		<b>ORG TOTAL:</b>	<b>4</b>
	6120 Billing	CUSTOMER SERVICE SUPERVISOR	1
		CUSTOMER SOLUTIONS REP I	2
		CUSTOMER SOLUTIONS REP II	1
CUSTOMER SOLUTIONS REP III		2	
MESSENGER		1	
	<b>ORG TOTAL:</b>	<b>7</b>	
6125 Call Center	CUSTOMER SERVICE SUPERVISOR	1	
	CUSTOMER SOLUTIONS REP I	3	
	CUSTOMER SOLUTIONS REP II	5	
	CUSTOMER SOLUTIONS REP III	2	
	<b>ORG TOTAL:</b>	<b>11</b>	
6130 Meter Services	METER SERVICES SUPERVISOR	1	
	METER SERVICES TECHNICIAN I	4	
	METER SERVICES TECHNICIAN II	5	
	<b>ORG TOTAL:</b>	<b>10</b>	
6135 CIS Support	C I S SUPPORT MANAGER	1	
	CUSTOMER SOLUTIONS ANALYST II	2	
	<b>ORG TOTAL:</b>	<b>3</b>	
6145 Energy Efficiency & Conservation	ENERGY EFF & CONSERV COORD	1	
	<b>ORG TOTAL:</b>	<b>1</b>	

**FY 2017 APPROVED BUDGETED NUMBER OF POSITIONS  
BY DIVISION/ORGANIZATION – CONTINUED**

<b>DIVISION NAME</b>	<b>ORGANIZATION</b>	<b>POSITION TITLE</b>	<b>NUMBER OF POSITIONS</b>	
Customer & Information Svc Division - continued	6150 Meter Reading	METER READING SUPERVISOR	1	
		ACTING METER READING SUPERVISOR	1	
		METER READER I	11	
		METER READER II	2	
		<b>ORG TOTAL:</b>	<b>15</b>	
	6160 Cashiers	CUSTOMER SERVICE SUPERVISOR	1	
		CUSTOMER SOLUTIONS REP I	2	
		CUSTOMER SOLUTIONS REP II	5	
		CUSTOMER SOLUTIONS REP IV	1	
	<b>ORG TOTAL:</b>	<b>9</b>		
	7130 Information Technology	APPLICATION SOFTWARE ADM	2	
		COMPUTER TECHNICAL SUPP SPEC	2	
		DATA & SPECIAL PROJECTS ADMIN	1	
		INFORMATION TECH PROJECT COORD	1	
		INFORMATION TECHNOLOGY ADM	1	
		INFORMATION TECHNOLOGY MGR	1	
		LEAD MICROCOMPUTER SUPP SPEC	1	
		NETWORK ADMINISTRATOR	1	
		NETWORK TECH SPEC APR	1	
		SENIOR INFO TECH PROJECT COORD	1	
		SENIOR NETWORK ADMINISTRATOR	1	
		SYSTEMS PROGRAMMER	1	
		SYSTEMS PROGRAMMER ANALYST	2	
		WIRELESS COMM & NETWORK COORD	1	
		<b>ORG TOTAL:</b>	<b>17</b>	
		<b>DIVISION TOTAL:</b>	<b>99</b>	
	Electrical Systems Division	1145 Electrical Systems	ADMINISTRATIVE ASSISTANT	1
			AREA MANAGER	1
			DIRECTOR OF ELECTRICAL SYSTEMS	1
			<b>ORG TOTAL:</b>	<b>3</b>
		2120 Substations and Relaying	ADMINISTRATIVE ASSOCIATE II	1
			ELECTRIC FOREMAN (CERTIFIED)	1
			ELECTRONIC TECHNICIAN I	2
			ELECTRONIC TECHNICIAN II	3
			GROUND WORKER	3
			LEAD RELAY TECHNICIAN	1
			LINEMAN (CERTIFIED)	1
			LINEWORKER (CERTIFIED)	4
			LINEWORKER (NON-CERTIFIED)	1
			SENIOR MAINTENANCE WORKER	1
			SENIOR RELAY COORDINATOR	1
			SHIFT SUPERVISOR	1
			SUBSTATION TECH(NON-CERTIFIED)	3
SUBSTATIONS & RELAYING MANAGER			1	
<b>ORG TOTAL:</b>			<b>24</b>	
2130 Elec Trans&Dist New Construction		ADMINISTRATIVE ASSOCIATE II	1	
		APPRENTICE LINEWORKER	4	
		ELECTRIC FOREMAN (CERTIFIED)	4	
		ELECTRIC OPERATIONS MANAGER	1	
		GRADUATE ENGINEER I	1	
		GROUND WORKER	2	
		LINEWORKER (CERTIFIED)	5	
		LINEWORKER (NON-CERTIFIED)	5	
		MAINTENANCE WORKER	2	
		MAINTENANCE WORKER I	1	
		SENIOR MAINTENANCE WORKER	2	
<b>ORG TOTAL:</b>		<b>28</b>		
2140 Elec Trans & Dist Maintenance		APPRENTICE LINEWORKER	6	
		ELECTRIC FOREMAN (CERTIFIED)	4	
		GROUND WORKER	4	
		LINEWORKER (CERTIFIED)	4	
		LINEWORKER (NON-CERTIFIED)	2	
		MAINTENANCE WORKER	1	
		SENIOR MAINTENANCE WORKER	1	
<b>ORG TOTAL:</b>		<b>22</b>		

**FY 2017 APPROVED BUDGETED NUMBER OF POSITIONS  
BY DIVISION/ORGANIZATION – CONTINUED**

<b>DIVISION NAME</b>	<b>ORGANIZATION</b>	<b>POSITION TITLE</b>	<b>NUMBER OF POSITIONS</b>	
Electrical Systems Division - continued	2150 Energy Control Center Operations	ADMINISTRATIVE ASSOCIATE II	1	
		DISPATCH CLERK	1	
		ENERGY SYSTEM OPERATIONS MGR	1	
		ENERGY SYSTEM OPERATOR	1	
		ENERGY SYSTEM OPERATOR APR	3	
		LEAD ENERGY SYSTEM OPERATOR	4	
		SENIOR ENERGY SYSTEM OPERATOR	4	
		<b>ORG TOTAL:</b>	<b>15</b>	
	2220 Power Production	ADMINISTRATIVE ASSOCIATE II	1	
		GRADUATE ENGINEER I	1	
		LAB TECHNICIAN-OPERATOR	1	
		MAINTENANCE MECHANIC	3	
		POWER PLANT FOREMAN	7	
		POWER PLANT INSTRUMENT TECH I	1	
		POWER PLANT MAINTENANCE SUPR	1	
		POWER PLANT MAINTENANCE TECH	4	
		POWER PLANT MANAGER	1	
		POWER PLANT OPERATIONS SUPR	1	
		POWER PLANT OPERATOR I	3	
		POWER PLANT OPERATOR II	2	
		SENIOR ENGINEER (REGISTERED)	1	
		<b>ORG TOTAL:</b>	<b>27</b>	
	2310 Electric Meter Shop	GRADUATE ENGINEER I	1	
		METER TECHNICIAN APPRENTICE	2	
		METER TECHNICIAN I	3	
		METER TECHNICIAN II	1	
		SHIFT SUPERVISOR	1	
		<b>ORG TOTAL:</b>	<b>8</b>	
	2410 Electric Engineering	ADMINISTRATIVE ASSOCIATE II	1	
		CAD DRAFTER	1	
		ENGINEER (REGISTERED)	1	
		ENGINEERING MANAGER	1	
		ENGINEERING TECHNICIAN II	1	
		GRADUATE ENGINEER I	7	
		GRADUATE ENGINEER II	2	
		<b>ORG TOTAL:</b>	<b>14</b>	
	4220 Fuel & Purchased Energy Supply	ACTIN FUEL & PURCH ENERGY MGR	1	
			<b>ORG TOTAL:</b>	<b>1</b>
		<b>DIVISION TOTAL:</b>	<b>142</b>	
	Environmental Division	1410 Environmental Services	ADMINISTRATIVE ASSISTANT	1
			DIR OF ENVIRONMENTAL SERVICES	1
			QUALITY ASSURANCE SPECIALIST	3
			<b>ORG TOTAL:</b>	<b>5</b>
		1420 Environmental Compliance	ENVIRONMENTAL MANAGER	1
			ENVIRONMENTAL TECHNICIAN II	2
			REGULATORY COMPLIANCE SPEC	3
			<b>ORG TOTAL:</b>	<b>6</b>
1422 Analytical Lab		ADMINISTRATIVE ASSOCIATE II	1	
		CHEMIST	2	
		LABORATORY MANAGER	1	
		LABORATORY SUPERVISOR	1	
		LABORATORY TECHNICIAN I	4	
		LABORATORY TECHNICIAN II	6	
PRETREATMENT COMPLIANCE COORD		1		
		<b>ORG TOTAL:</b>	<b>16</b>	
1430 Pre-treatment		ADMINISTRATIVE ASSOCIATE II	1	
	CROSS CONNECT COMPLIANCE COORD	1		
	CROSS CONNECT COMPLIANCE TECH	1		
	ENVIRO SOFTWARE SOLUTIONS SPEC	1		
	ENVIRONMENTAL TECHNICIAN I	3		
	ENVIRONMENTAL TECHNICIAN II	1		
	PRETREATMENT MANAGER	1		
SENIOR PRETREATMENT COORD	2			
	<b>ORG TOTAL:</b>	<b>11</b>		
	<b>DIVISION TOTAL:</b>	<b>38</b>		



**FY 2017 APPROVED BUDGETED NUMBER OF POSITIONS  
BY DIVISION/ORGANIZATION – CONTINUED**

<b>DIVISION NAME</b>	<b>ORGANIZATION</b>	<b>POSITION TITLE</b>	<b>NUMBER OF POSITIONS</b>
Finance Division	5110 Finance	BUSINESS PROCESS ANALYST	1
		CHIEF FINANCIAL OFFICER	1
		EXECUTIVE ASSISTANT	1
		FINANCIAL ANALYST	1
		FINANCIAL MANAGER	1
		SENIOR BUDGET ANALYST	1
		TREAS & ACCT SUPP SERV MANAGER	1
		<b>ORG TOTAL:</b>	<b>7</b>
	5120 Accounting	ACCOUNTANT	4
		ACCOUNTING CLERK III	5
		ACCOUNTS PAYABLE SUPERVISOR	1
		ACTING CONTROLLER	1
		ACTING FISCAL MANAGER	1
		CONTROLLER	1
		DIRECTOR OF FINANCE	1
		PAYROLL SPECIALIST	1
		SENIOR GRANTS COORDINATOR	1
			<b>ORG TOTAL:</b>
	5130 Purchasing	ACCOUNTING CLERK III	1
		ACTING BUYER	1
		BUYER	2
		CONTRACT ADMINISTRATOR	1
		MATERIALS & WAREHOUSE MANAGER	1
		SENIOR BUYER	1
		<b>ORG TOTAL:</b>	<b>7</b>
	5140 Revenue Recovery	REVENUE RECOVERY SUPERVISOR	1
		REVENUE RECOVERY TECHNICIAN	2
	<b>ORG TOTAL:</b>	<b>3</b>	
7160 Facility Maintenance	CUSTODIAN	1	
	FACILITIES MAINT SUPERVISOR	1	
	LEAD CUSTODIAN	2	
	<b>ORG TOTAL:</b>	<b>4</b>	
7170 Warehouse	INVENTORY CONTROL CLERK	1	
	STOREKEEPER I	3	
	STOREKEEPER II	1	
	WAREHOUSE SUPERVISOR	1	
	<b>ORG TOTAL:</b>	<b>6</b>	
	<b>DIVISION TOTAL:</b>	<b>43</b>	
General Manager Division	1110 General Manager	GENERAL MANAGER & CEO	1
		SENIOR EXECUTIVE ASSISTANT	2
		<b>ORG TOTAL:</b>	<b>3</b>
	1120 Internal Audit	AUDIT MANAGER	1
		INTERNAL AUDITOR II	1
		INTERNAL AUDITOR III	1
	<b>ORG TOTAL:</b>	<b>3</b>	
	<b>DIVISION TOTAL:</b>	<b>6</b>	
Human Resources Division	1140 Organizational Development	ORGANIZATIONAL DEVL ADMIN	1
		ORGANIZATIONAL DEVL MANAGER	1
		TRAINING COORDINATOR	1
		<b>ORG TOTAL:</b>	<b>3</b>
	7140 Human Resources	ADMINISTRATIVE ASSISTANT	1
		DIRECTOR OF HUMAN RESOURCES	1
		<b>ORG TOTAL:</b>	<b>2</b>
	7145 Talent Acquisition and Staffing	TALENT ACQUISITION/STAFF SPEC	2
		TALENT ACQUISITION/STAFFING MA	1
		<b>ORG TOTAL:</b>	<b>3</b>
	7155 Compensation & Benefits	ACTING COMP & BENEFITS REP	1
		COMPENSATION / BENEFITS MANAGER	1
HUMAN RESOURCE COORD		2	
	<b>ORG TOTAL:</b>	<b>4</b>	
	<b>DIVISION TOTAL:</b>	<b>12</b>	

**FY 2017 APPROVED BUDGETED NUMBER OF POSITIONS  
BY DIVISION/ORGANIZATION – CONTINUED**

<b>DIVISION NAME</b>	<b>ORGANIZATION</b>	<b>POSITION TITLE</b>	<b>NUMBER OF POSITIONS</b>
Operational Support Servcs Division	2210 SCADA & Electrical Support Services	ACTING ELEC SCADA SUPERVISOR	1
		ACTING FLEET SERVICE MANAGER	1
		ADMINISTRATIVE ASSOCIATE II	1
		ELECTRICAL MAINT SUPERVISOR	1
		ELECTRICAL SCADA SUPERVISOR	1
		ELECTRICIAN	3
		ELECTRONIC TECHNICIAN II	3
		INSTRUMENT TECHNICIAN II	2
		MASTER ELECTRICIAN	4
		SCADA & ELEC SUPP SVC MANAGER	1
SCADA NERC COMP COORD	1		
	<b>ORG TOTAL:</b>	<b>19</b>	
3120 Water Plant I		CHIEF W/WW OPERATOR	1
		LEAD W/WW OPERATOR	2
		W/WW OPERATOR A	2
		W/WW OPERATOR B	1
		W/WW OPERATOR C	2
		W/WW OPERATOR D	1
		WATER TREATMENT MANAGER	1
	<b>ORG TOTAL:</b>	<b>10</b>	
3130 Water Plant II		CHIEF W/WW OPERATOR	1
		LEAD W/WW OPERATOR	1
		W/WW OPERATOR A	1
		W/WW OPERATOR B	1
		W/WW OPERATOR C	3
		W/WW OPERATOR D	1
	<b>ORG TOTAL:</b>	<b>8</b>	
3135 Resaca Maintenance		ADMINISTRATIVE ASSOCIATE II	1
		DREDGE OPERATOR	2
		FOREMAN	1
		LEAD RESACA MAINTENANCE OPER	1
		MAINTENANCE WORKER	1
		MAINTENANCE WORKER I	1
		MOTOR EQUIPMENT OPERATOR	5
		RESACA MAINTENANCE OPER APR	1
		RESACA MAINTENANCE OPERATOR	1
		SENIOR MAINTENANCE WORKER	1
		SENIOR MOTOR EQUIPMENT OPER	1
		WATER RESOURCES MANAGER	1
	<b>ORG TOTAL:</b>	<b>17</b>	
3140 Raw Water Supply		LEAD RAW WATER SYS OPERATOR	1
		RAW WATER SYSTEMS OPERATOR APR	1
		RAW WATER SYSTEMS OPERATOR I	2
	<b>ORG TOTAL:</b>	<b>4</b>	
3210 South Wastewater Treatment Plant		CHIEF W/WW OPERATOR	1
		LEAD W/WW OPERATOR	1
		W/WW OPERATOR A	2
		W/WW OPERATOR APPRENTICE	1
		W/WW OPERATOR B	2
		W/WW OPERATOR C	2
		W/WW OPERATOR D	1
	<b>ORG TOTAL:</b>	<b>10</b>	
3220 Robindale Wastewater Treatment Plnt		ADMINISTRATIVE ASSOCIATE II	1
		CHIEF W/WW OPERATOR	1
		LEAD W/WW OPERATOR	1
		W/WW OPERATOR A	1
		W/WW OPERATOR APPRENTICE	1
		W/WW OPERATOR B	2
		W/WW OPERATOR C	1
		W/WW OPERATOR D	2
		WASTEWATER TREATMENT MANAGER	1
	<b>ORG TOTAL:</b>	<b>11</b>	
4310 Operational Support Services		ADMINISTRATIVE ASSISTANT	1
		AREA MANAGER	2
		DIR OF OPERATIONAL SUPP SERV	1
	<b>ORG TOTAL:</b>	<b>4</b>	

**FY 2017 APPROVED BUDGETED NUMBER OF POSITIONS  
BY DIVISION/ORGANIZATION – CONTINUED**

<b>DIVISION NAME</b>	<b>ORGANIZATION</b>	<b>POSITION TITLE</b>	<b>NUMBER OF POSITIONS</b>
Operational Support Servcs Division - continued	7135 Geographic Information Systems	ADMINISTRATIVE ASSOCIATE II	1
		G.I.S. MANAGER	1
		G.I.S. SPECIALIST	2
		G.I.S. TECHNICIAN II	4
		G.P.S. & G.I.S. TECHNICIAN I	1
		RIGHT-OF-WAY AGENT	1
		SENIOR RIGHT-OF-WAY AGENT	1
		<b>ORG TOTAL:</b>	<b>11</b>
	7150 Fleet Management	ADMINISTRATIVE ASSOCIATE II	1
		AUTO/HEAVY DUTY EQUIP TECH	6
		FLEET SERVICES MANAGER	1
		FLEET SYSTEMS COORDINATOR	1
		LD AUTO/HEAVY DUTY EQUIP TECH	1
		<b>ORG TOTAL:</b>	<b>10</b>
	<b>DIVISION TOTAL:</b>	<b>104</b>	
Operations Division	4105 Operations	ASST GENERAL MANAGER & COO	1
		EXECUTIVE ASSISTANT	1
		<b>ORG TOTAL:</b>	<b>2</b>
	4110 Energy Risk Management	ACTING ENERGY RISK MGR	1
		ENERGY RISK MANAGER	1
		<b>ORG TOTAL:</b>	<b>2</b>
	4210 NERC Compliance	ADMINISTRATIVE ASSOCIATE II	1
		MAINTENANCE WORKER I	1
		NERC COMPL MANAGER & CCO	1
		NERC COMPLIANCE COORDINATOR	2
	<b>ORG TOTAL:</b>	<b>5</b>	
	<b>DIVISION TOTAL:</b>	<b>9</b>	
Systems Contingency	9110 Company-wide Expenses	WATER UTILITY POSITION	2
			<b>ORG TOTAL:</b>
	<b>DIVISION TOTAL:</b>	<b>2</b>	
W/WW Eng, Planning & Oper Division	3110 W&WW Eng, Planning & Operations	ADMINISTRATIVE ASSISTANT	1
		DIR OF W/WW ENG, PLAN & OPER	1
			<b>ORG TOTAL:</b>
	3145 W/WW Plant Maintenance	FOREMAN	1
		MAINTENANCE MECHANIC	4
		MASTER MECHANIC	6
		OPERATIONS SOLUTIONS SPEC	1
		SHIFT SUPERVISOR	1
			<b>ORG TOTAL:</b>
	3150 W/WW Operations & Construction	ACTING UTILITY TECHNICIAN	1
		ADMINISTRATIVE ASSOCIATE II	2
		CARPENTER	2
		FOREMAN	3
		JOURNEYMAN PLUMBER	1
		MAINTENANCE WORKER	17
		MAINTENANCE WORKER II	1
		MASTER PLUMBER	1
		MOTOR EQUIPMENT OPERATOR	6
		PIPELAYER	9
		SENIOR MOTOR EQUIPMENT OPER	3
		SERVICE CLERK	1
		SHIFT SUPERVISOR	6
	UTILITY TECHNICIAN	12	
W/WW OPERATIONS MANAGER	1		
WATER METER MECHANIC	1		
	<b>ORG TOTAL:</b>	<b>67</b>	
3230 Wastewater Lift Stations	ADMINISTRATIVE ASSOCIATE II	1	
	FOREMAN	1	
	JETVAC OPERATOR	3	
	JETVAC OPERATOR II	1	
	JETVAC OPERATOR APPRENTICE	4	
	MAINTENANCE MECHANIC	8	
	MAINTENANCE WORKER	1	
	MASTER MECHANIC	9	
	SHIFT SUPERVISOR	3	
	WASTEWATER TV TECHNICIAN	3	
	WWW PLANT MAINT/WW LIFT ST MGR	1	
		<b>ORG TOTAL:</b>	<b>35</b>

**FY 2017 APPROVED BUDGETED NUMBER OF POSITIONS  
BY DIVISION/ORGANIZATION - CONTINUED**

<b>DIVISION NAME</b>	<b>ORGANIZATION</b>	<b>POSITION TITLE</b>	<b>NUMBER OF POSITIONS</b>
W/WW Eng, Planning & Oper Division - continued	3310 Water & Wastewater Engineering	ADMINISTRATIVE ASSOCIATE II	1
		ENGINEERING MANAGER	1
		ENGINEERING TECHNICIAN II	2
		FIELD COORDINATOR	4
		GRADUATE ENGINEER II	1
		SENIOR COORDINATOR	3
		SENIOR ENGINEER (REGISTERED)	4
		<b>ORG TOTAL:</b>	<b>16</b>
		<b>DIVISION TOTAL:</b>	<b>133</b>
<b>OVERALL TOTAL</b>			<b>604</b>

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**NET POSITION  
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 2016**

	<u>Electric</u>	<u>Water</u>	<u>Wastewater</u>	<u>Total</u>
Revenues	\$ 164,649,730	\$ 24,880,783	\$ 23,243,439	\$ 212,773,952
Expenses	<u>118,398,505</u>	<u>23,905,601</u>	<u>19,556,496</u>	<u>161,860,602</u>
Change in net assets	\$ 46,251,225	\$ 975,182	\$ 3,686,943	\$ 50,913,350
Net position, beginning of year				<u>\$ 464,498,424</u>
Net position, end of year				<u><u>\$ 515,411,774</u></u>

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

Change in net position	\$ 46,251,225	\$ 975,182	\$ 3,686,943	\$ 50,913,350
Less: Principal Pmts	<u>8,051,189</u>	<u>1,635,624</u>	<u>2,486,187</u>	<u>12,173,000</u>
Funds Available for Capital and Reserve Funds	<u>\$ 38,200,036</u>	<u>\$ (660,442)</u>	<u>\$ 1,200,756</u>	<u>\$ 38,740,350</u>

Projected changes in net position for fiscal year 2017 are as follows:

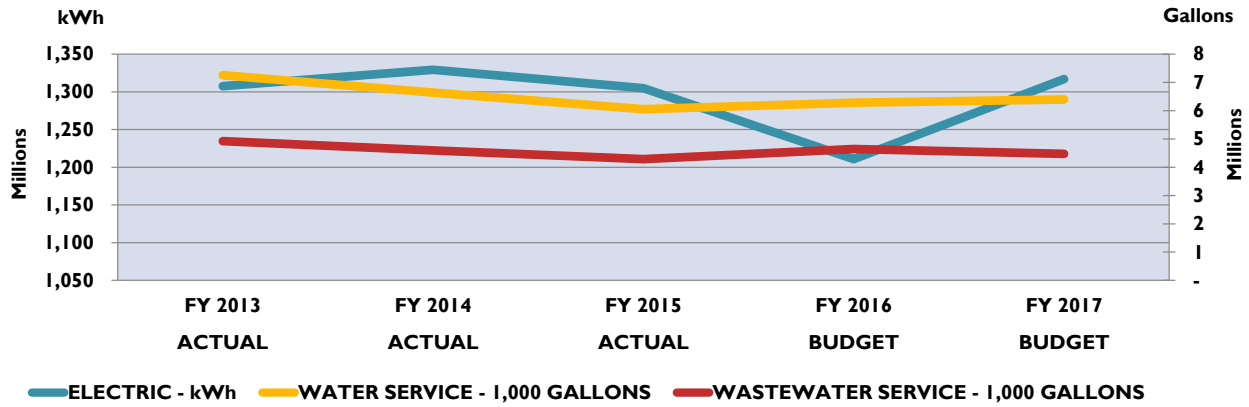
**ORIGINAL BUDGET FY 2017**

	<u>Electric</u>	<u>Water</u>	<u>Wastewater</u>	<u>Total</u>
Revenues	\$ 157,136,339	\$ 25,773,889	\$ 23,003,557	\$ 205,913,785
Expenses	<u>124,102,430</u>	<u>22,682,009</u>	<u>20,365,346</u>	<u>167,149,785</u>
Change in net position	\$ 33,033,909	\$ 3,091,880	\$ 2,638,211	\$ 38,764,000
Net position, beginning of year				<u>\$ 515,411,774</u>
Net position, end of year				<u><u>\$ 554,175,774</u></u>

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

Change in net position	\$ 33,033,909	\$ 3,091,880	\$ 2,638,211	\$ 38,764,000
Less: Principal Pmts	<u>8,533,909</u>	<u>1,741,880</u>	<u>2,638,211</u>	<u>12,914,000</u>
Funds Available for Capital and Reserve Funds	<u>\$ 24,500,000</u>	<u>\$ 1,350,000</u>	<u>\$ -</u>	<u>\$ 25,850,000</u>

# UNIT SALES STATISTICS



	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	BUDGET FY 2016	BUDGET FY 2017
<b>ELECTRIC - kWh</b>					
Residential	533,303,461	567,334,136	551,304,652	489,351,049	563,471,068
Commercial - Non-Demand	134,939,048	132,918,707	128,892,385	125,045,396	132,543,761
Municipal	67,023,018	68,127,646	67,411,861	68,110,605	69,428,214
Commercial - Demand	570,125,749	558,708,943	554,994,514	526,118,414	549,106,575
Other	2,232,972	2,226,006	2,227,059	2,255,198	2,273,622
<i>Total Electric Unit Sales</i>	<u>1,307,624,248</u>	<u>1,329,315,439</u>	<u>1,304,830,471</u>	<u>1,210,880,662</u>	<u>1,316,823,240</u>
<b>WATER SERVICE - 1,000 GALLONS</b>					
Inside City	6,294,433	5,753,783	5,281,931	5,431,464	5,566,579
Outside City	161,450	155,398	148,956	150,849	154,686
Municipal	239,859	221,369	163,284	185,382	193,681
Other	555,452	506,676	461,178	516,270	482,079
<i>Total Water Unit Sales</i>	<u>7,251,194</u>	<u>6,637,226</u>	<u>6,055,349</u>	<u>6,283,965</u>	<u>6,397,025</u>
<b>WASTEWATER SERVICE - 1,000 GALLONS</b>					
Residential	3,036,404	2,795,399	2,554,154	2,628,896	2,701,189
Commercial	1,677,306	1,604,591	1,560,177	1,583,028	1,591,618
Municipal	82,150	74,787	63,318	68,561	70,830
Outside City	122,924	118,228	106,175	112,361	111,977
Specials	3,671	-	-	252,535	-
<i>Total Wastewater Unit Sales</i>	<u>4,922,455</u>	<u>4,593,006</u>	<u>4,283,824</u>	<u>4,645,381</u>	<u>4,475,614</u>

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## **OUTSTANDING DEBT**

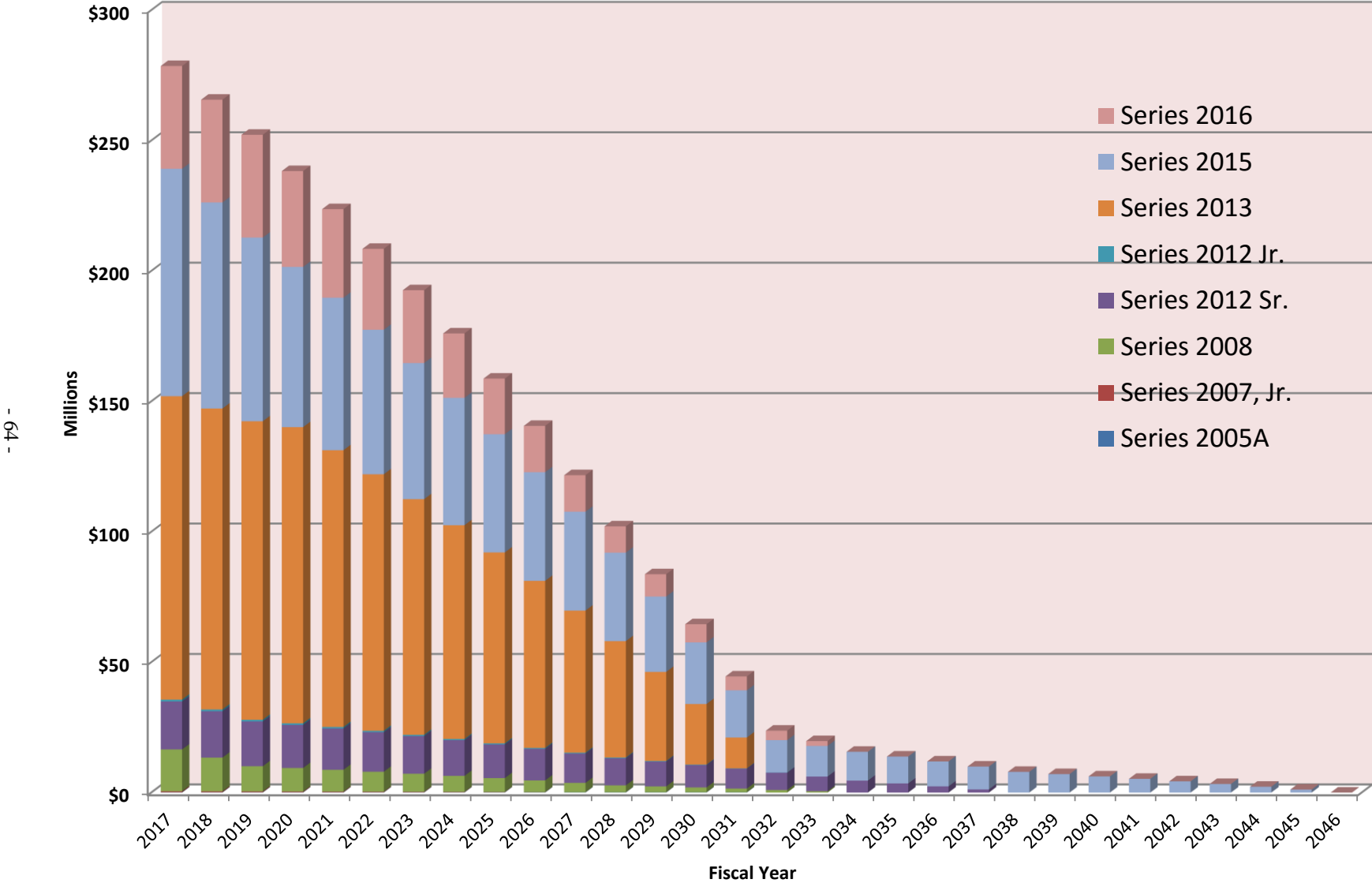
The Brownsville PUB has the following bonds outstanding as of September 30, 2016:

- \$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, 2016, 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, 2016, the outstanding balance was \$369,000.
- \$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, 2016, the outstanding balance was \$16,065,000.
- \$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, 2016, the outstanding balance was \$18,380,000.
- \$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, 2015, the outstanding balance was \$720,000.
- \$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 5.0%. As of September 30, 2015 the outstanding balance was \$116,340,000.
- \$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, 2016 the outstanding balance was \$87,180,000.
- \$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, 2016, the outstanding balance was \$39,410,000.

The Brownsville PUB also had \$7 million in commercial paper obligations as of September 30, 2016.

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# Outstanding Principal Debt Through Maturity



- 64 -



## **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 2013	ACTUAL FY 2014	ACTUAL FY 2015	<b>Unaudited</b> ACTUAL FY 2016	BUDGET FY 2017
<b><u>ELECTRIC</u></b>					
Principal	\$ 5,240,845	\$ 5,815,545	\$ 7,018,593	\$ 8,051,189	\$ 8,533,909
Interest	10,076,092	9,726,349	9,321,174	9,363,481	8,763,608
<i>Total</i>	<u>15,316,937</u>	<u>15,541,894</u>	<u>16,339,767</u>	<u>17,414,670</u>	<u>17,297,517</u>
<b><u>WATER</u></b>					
Principal	1,197,002	1,300,810	1,689,382	1,635,624	1,741,880
Interest	1,993,310	1,892,326	1,756,163	1,836,942	1,740,379
<i>Total</i>	<u>3,190,312</u>	<u>3,193,136</u>	<u>3,445,545</u>	<u>3,472,566</u>	<u>3,482,259</u>
<b><u>WASTEWATER</u></b>					
Principal	2,821,153	2,983,645	3,358,025	2,486,187	2,638,211
Interest	2,583,203	2,536,164	2,431,611	2,529,683	2,393,964
<i>Total</i>	<u>5,404,356</u>	<u>5,519,809</u>	<u>5,789,636</u>	<u>5,015,870</u>	<u>5,032,175</u>
<b>TOTAL ALL SYSTEMS</b>	<u>\$ 23,911,605</u>	<u>\$ 24,254,839</u>	<u>\$ 25,574,948</u>	<u>\$ 25,903,105</u>	<u>\$ 25,811,951</u>
<b><u>SUMMARY</u></b>					
Principal	\$ 9,259,000	\$ 10,100,000	\$ 12,066,000	\$ 12,173,000	\$ 12,914,000
Interest	<u>14,652,605</u>	<u>14,154,839</u>	<u>13,508,948</u>	<u>13,730,105</u>	<u>12,897,951</u>
<i>Total</i>	<u>\$ 23,911,605</u>	<u>\$ 24,254,839</u>	<u>\$ 25,574,948</u>	<u>\$ 25,903,105</u>	<u>\$ 25,811,951</u>

**NOTE:**

Actual budget based on principal and interest payments made annually on September 30<sup>th</sup>. Commercial Paper for FY 2016 will incur \$75,000 of interest expense.

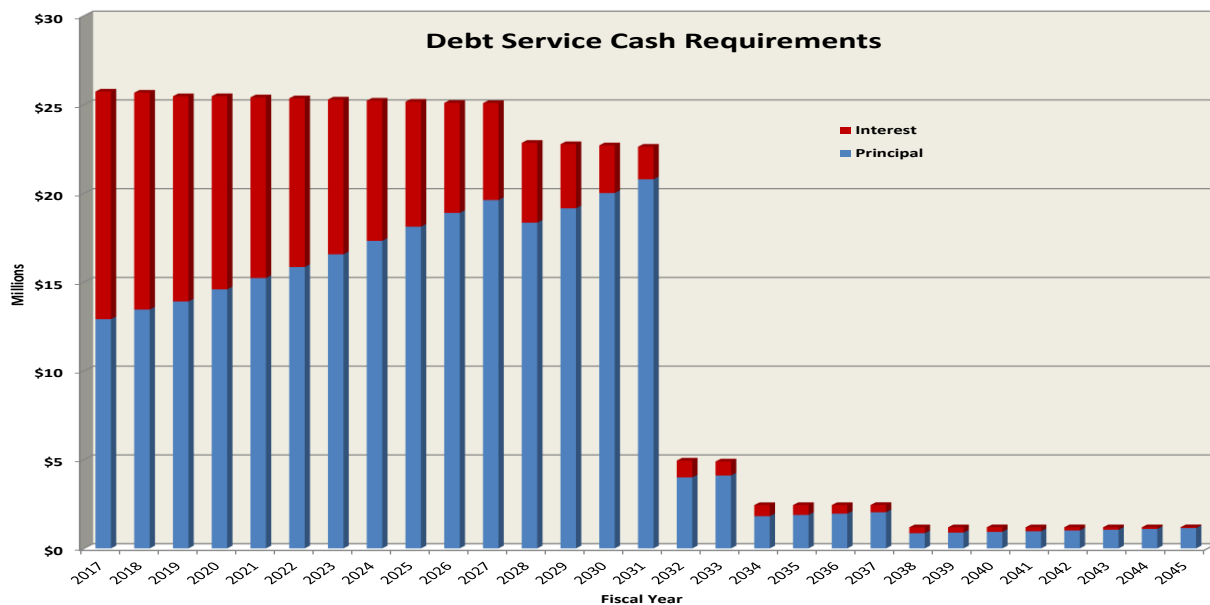
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## DEBT SERVICE REQUIREMENTS BY FISCAL YEAR

Yr End Sep 1,	Yrs	Principal	Interest	Total Debt Svc Requirements	Declining Debt Svc Balance
2017	29	12,914,000	12,822,951	25,736,951	373,363,265
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	8,336,162
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	4,766,437
2042	4	1,010,000	182,750	1,192,750	3,573,687
2043	3	1,050,000	139,825	1,189,825	2,383,862
2044	2	1,095,000	95,200	1,190,200	1,193,662
2045	1	1,145,000	48,663	1,193,663	-
<b>TOTALS</b>		<b>\$ 278,564,000</b>	<b>\$ 120,536,216</b>	<b>\$ 399,100,216</b>	

**NOTE:**

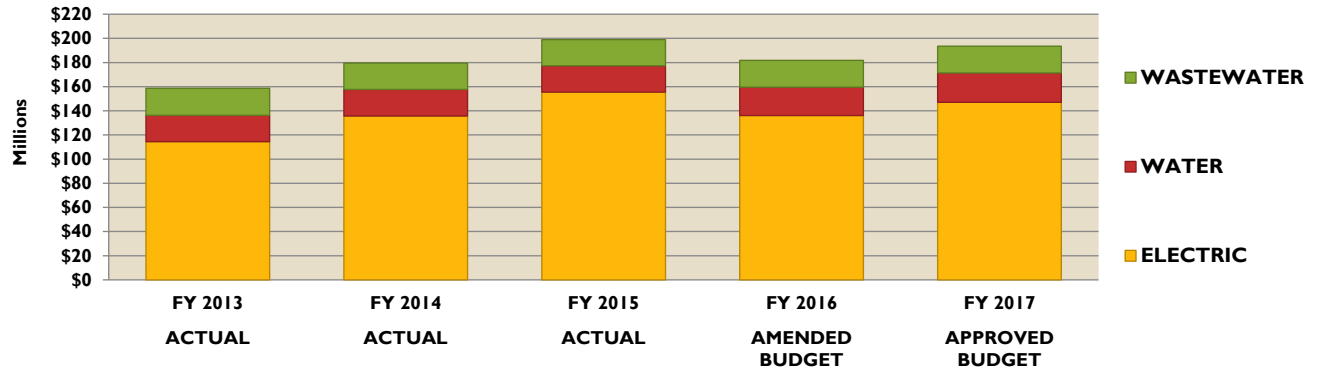
Debt Service schedule does not include debt associated with commercial paper expense of \$75,000 for the Electric, Water and Wastewater Systems approved for FY 2017.



# ***REVENUES***

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

	<u>ACTUAL FY 2013</u>	<u>ACTUAL FY 2014</u>	<u>ACTUAL FY 2015</u>	<u>AMENDED BUDGET FY 2016</u>	<u>APPROVED BUDGET FY 2017</u>
ELECTRIC	\$ 114,460,843	\$ 135,632,177	\$ 155,520,116	\$ 136,090,038	\$ 147,136,733
WATER	21,845,309	22,137,313	21,774,560	23,546,313	24,283,989
WASTEWATER	22,254,767	21,691,760	21,554,127	22,210,086	22,135,194
<b>TOTAL</b>	<b>\$ 158,560,919</b>	<b>\$ 179,461,250</b>	<b>\$ 198,848,803</b>	<b>\$ 181,846,437</b>	<b>\$ 193,555,916</b>



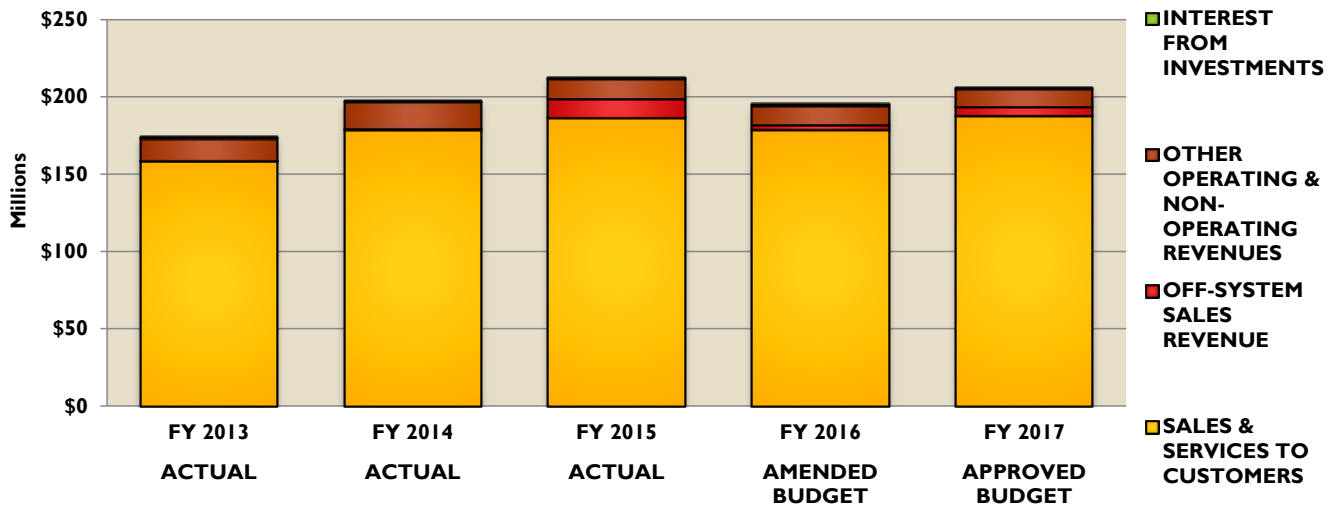
**NOTE:**

Electric Operating Revenues include off-system sales.

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## REVENUES BY SOURCE

	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	APPROVED BUDGET FY 2017
SALES & SERVICES TO CUSTOMERS	\$ 158,323,746	\$ 178,539,468	\$ 186,666,075	\$ 178,746,437	\$ 187,555,916
OFF-SYSTEM SALES REVENUE	237,173	921,782	12,182,728	3,100,000	6,000,000
INTEREST FROM INVESTMENTS	537,275	410,160	687,924	735,000	800,000
OTHER OPERATING & NON-OPERATING	14,439,447	17,200,902	12,701,829	12,355,336	11,557,869
<b>TOTAL</b>	<b>\$ 173,537,641</b>	<b>\$ 197,072,312</b>	<b>\$ 212,238,556</b>	<b>\$ 194,936,773</b>	<b>\$ 205,913,785</b>



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## **REVENUES – SOURCES, ASSUMPTIONS AND TRENDS**

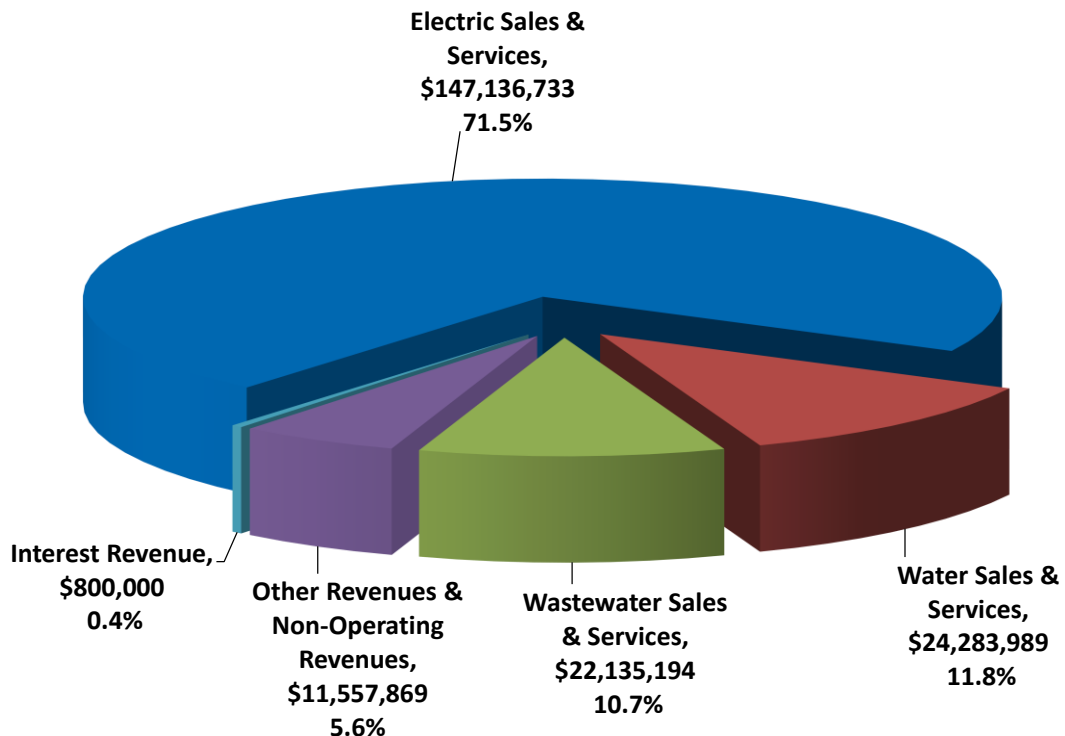
### **SOURCES**

In FY 2017, Brownsville PUB expects to generate 91.08% of revenues through rates charged to customers and from the Fuel & Purchased Energy Charge (FPEC). Off-system sales revenue makes up 2.91% of the total revenue budget for FY 2017, 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 2017 REVENUES BY SOURCES**

	<u>ELECTRIC</u>	<u>WATER</u>	<u>WASTEWATER</u>	<u>TOTAL</u>
SALES & SERVICES TO CUSTOMERS	\$ 141,136,733	\$ 24,283,989	\$ 22,135,194	\$ 187,555,916
OFF-SYSTEM SALES REVENUE	6,000,000	-	-	6,000,000
INTEREST FROM INVESTMENTS	480,000	160,000	160,000	800,000
OTHER OPERATING & NON-OPERATING REVENUES	9,519,606	1,329,900	708,363	11,557,869
	<u>\$ 157,136,339</u>	<u>\$ 25,773,889</u>	<u>\$ 23,003,557</u>	<u>\$ 205,913,785</u>

### **FY 2017 REVENUES BY SYSTEM AND SOURCES**



## ASSUMPTIONS AND TRENDS

The Brownsville PUB estimated unit sales, sales revenues and customer billings for FY 2017 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 2016 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.

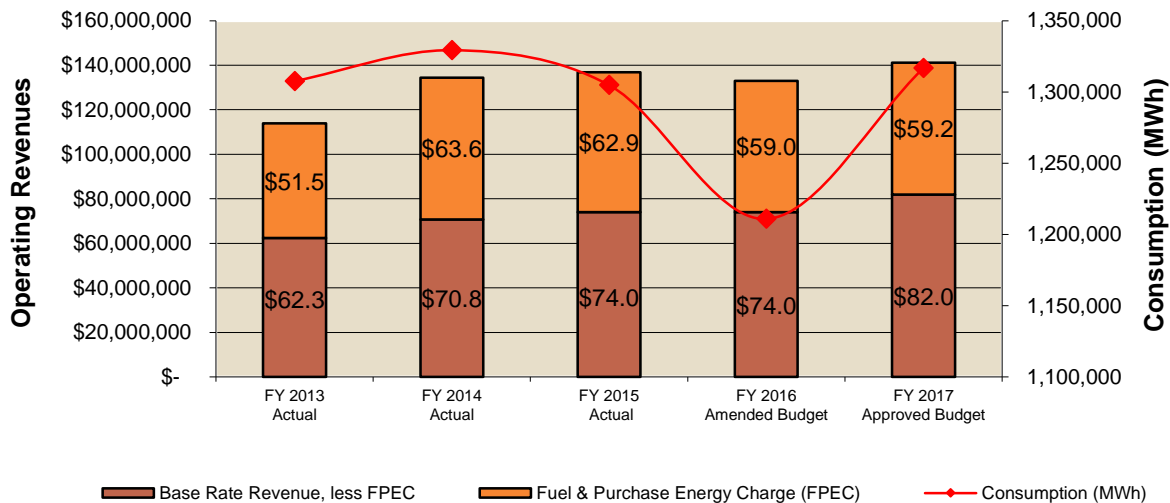
Electric and water revenues were developed using rates that initially went into effect on October 1, 2016.

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 2017 electric sales revenues (excluding off-system sales) are expected to increase \$8.15 million or 6.13% over the FY 2016 Budget levels.

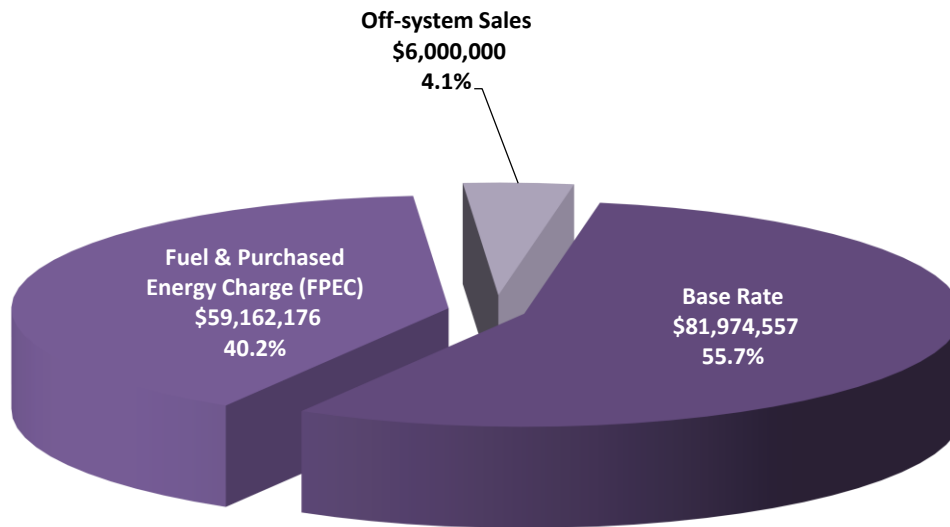
Electric consumption and operating revenues are depicted in the chart below



Fiscal Years 2016 and 2017 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 2017 will be approximately \$141.14 million compared to \$132.99 million in 2016. The difference in revenue is attributable to an increase in consumption due to predicted 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:



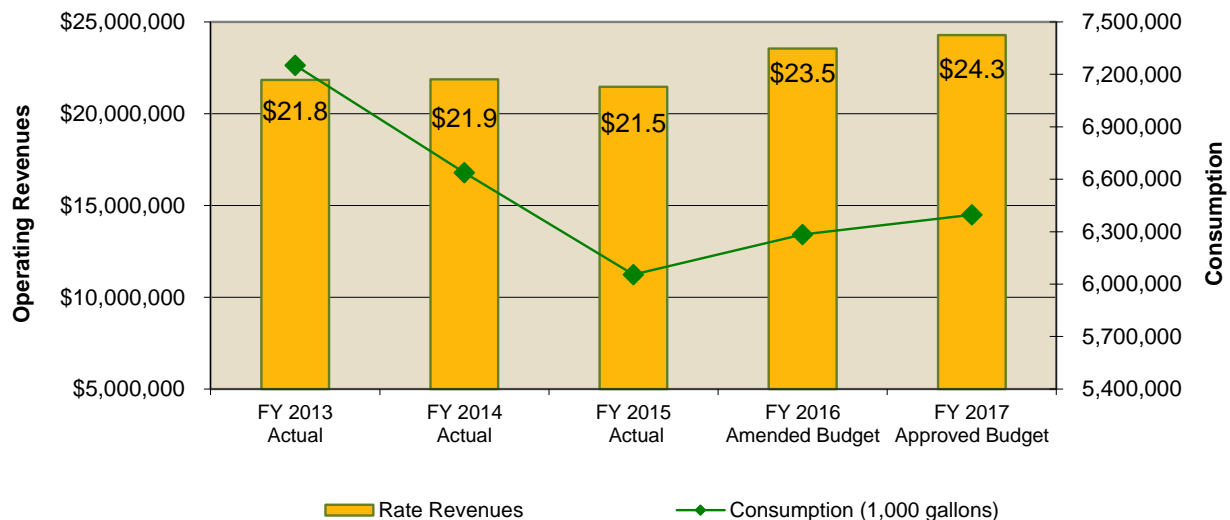
Based upon a review of historical customer statistics, customer accounts have increased on average by approximately 1% per year. For the fiscal year ended September 30, 2016, Brownsville PUB's approximate 48,196 electric customers were comprised of 88% residential, 11% commercial/industrial, and 1% municipal. Residential, commercial/industrial, and municipal customers provided approximately 46%, 49% 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 2017 water revenues are expected to increase \$737,676 or 3.13% over FY 2016 levels.

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





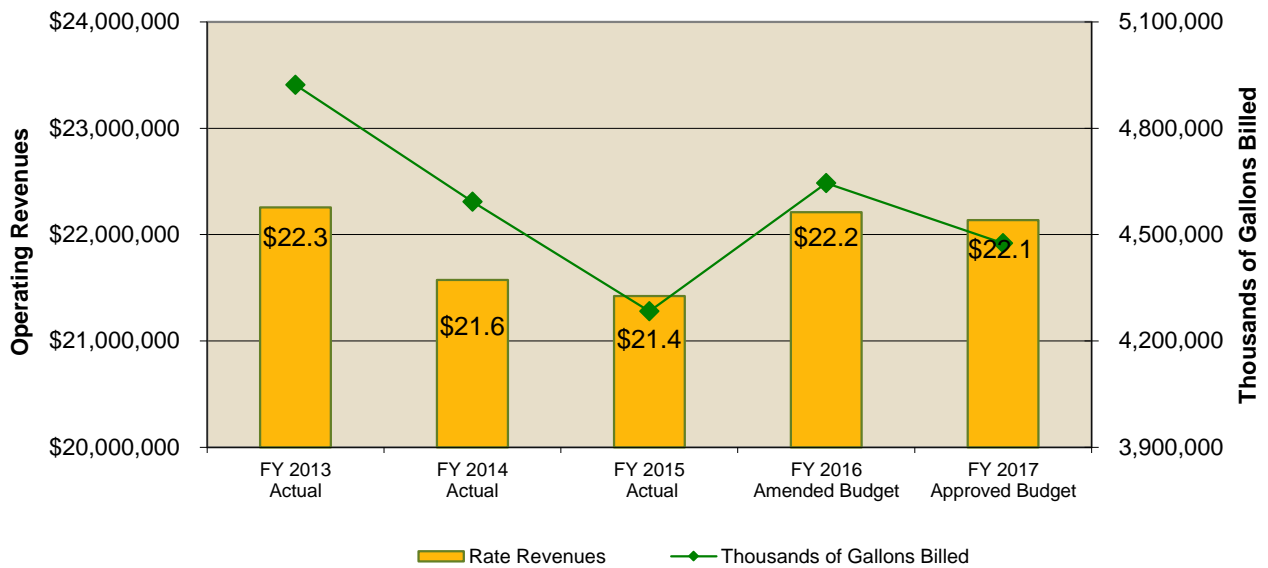
For the fiscal year ended 2016, Brownsville PUB’s approximate 49,598 water customers were comprised of residential, commercial, and municipal customers within the City and adjacent unincorporated areas. Brownsville PUB also sells treated water at wholesale rates to two water distribution systems and in FY 2016 these sales accounted for approximately 4.61% of the water system’s sales revenues and 7.28% of its sales volume. The Brownsville PUB partnered with the SRWA and built a 7.5 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 and a 0.75 million gallon clear well.

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 2017 wastewater revenues are expected to decrease \$74,892 or 0.34% under FY 2016 budget levels.

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



The wastewater system provided service to approximately 49,693 customers at the end of FY 2016 and accounted for approximately 12% 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.

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**TOTAL UTILITY COMBINED REVENUES & REQUIREMENTS  
FY 2013 – FY 2017**

	FY 2013 Actual	FY 2014 Actual	FY 2015 Actual	FY 2016 Amended Budget	FY 2016 Estimated Year End	FY 2017 Approved Budget
1 Operating Revenues	\$ 158,323,746	\$ 178,539,469	\$ 186,666,075	\$ 178,746,437	\$ 186,173,915	\$ 187,555,916
2 Off-system Sales Revenues	237,173	921,782	12,182,728	3,100,000	15,263,532	6,000,000
3 Net Operating Revenues	158,560,919	179,461,251	198,848,803	181,846,437	201,437,447	193,555,916
4 Interest from Investments	537,275	410,160	687,924	735,000	967,336	800,000
5 Other Revenues	12,971,917	14,680,073	11,150,383	10,860,000	9,016,731	10,057,869
6 Other Non-operating Revenues	1,467,531	2,520,829	1,551,446	1,495,336	1,352,438	1,500,000
7 Gross Revenues	173,537,641	197,072,313	212,238,556	194,936,773	212,773,952	205,913,785
8 Less:						
9 Fuel & Energy Costs	53,915,199	66,941,752	65,220,979	59,000,000	58,178,417	59,162,176
10 Off-system Sales Expenses	125,996	656,513	2,781,118	2,300,000	4,052,441	3,900,000
11 SRWA O&M	2,688,914	2,795,503	3,585,642	3,752,642	3,585,642	3,719,365
12 SRWA Debt Service	2,178,768	2,147,494	2,152,371	2,158,034	2,158,034	2,159,360
13 Adjusted Gross Revenues	114,628,764	124,531,052	138,498,446	127,726,097	144,799,418	136,972,884
14 Personnel O&M Expenses	31,981,145	33,926,631	33,273,083	37,857,308	36,945,928	38,292,873
15 Non-Personnel O&M Expenses	27,015,328	29,353,735	28,626,652	30,179,895	27,798,013	33,578,065
16 Subtotal O&M Expenses	59,607,142	63,280,366	61,899,735	68,037,203	64,743,941	71,870,938
17 Market Adjustment (95%)			-	-	-	344,222
18 Salary Compression Adj (95%)			-	-	-	446,041
19 Cost of Living Adjustment (3%)			-	-	-	914,649
20 Silas Ray Unit 10 Maintenance	-	-	-	-	-	1,537,500
21 New Positions	-	-	-	-	-	80,000
22 Total O&M Expenses	59,607,141	63,280,366	61,899,736	68,037,203	64,743,941	75,193,350
23 Other Non-Operating Expenses	1,759,328	1,200,233	450,442	500,000	896,327	1,500,000
24 Balance Available for Debt Service and Other Legal Purposes	53,262,294	60,050,453	76,148,268	59,188,894	79,159,150	60,279,534
25 Debt Service:						
26 Existing	23,959,103	24,375,285	25,604,613	26,056,522	25,938,858	25,736,951
27 Commercial Paper Interest Expense	14,359	5,929	13,671	75,000	-	75,000
28 Total Debt Service & CP Expense	23,973,462	24,381,214	25,618,284	26,131,522	25,938,858	25,811,951
29 Available After Debt Service	29,288,832	35,669,239	50,529,985	33,057,372	53,220,292	34,467,583
30 Other Uses of Cash:						
31 COB Cash Transfer	7,188,692	7,613,476	9,040,104	7,835,080	9,675,830	8,617,583
32 COB Usage	4,274,184	4,839,629	4,809,741	4,937,530	4,804,112	5,079,705
33 Total Cash/Utility Benefit COB	11,462,876	12,453,104	13,849,845	12,772,610	14,479,942	13,697,288
34 Balance Available to Surplus for Transfers Out	\$ 17,825,955	\$ 23,216,135	\$ 41,489,882	\$ 25,222,292	\$ 38,740,350	\$ 25,850,000
35 Proposed Uses of Balance Available for Transfers Out:						
36 Operating Subaccount-Fuel Adjustment	\$ 2,225,000	\$ 1,000,001	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000	\$ 15,000,000
37 Improvement Fund- CIP Funding	11,100,244	7,603,704	7,000,000	8,490,000	8,490,000	10,350,000
38 Improvement Fund - COB USACE Program	-	-	500,000	500,000	500,000	500,000
39 Improvement Fund - COB USACE Resaca Blvd CAP	-	-	-	1,232,292	1,232,292	-
40 Tenaska Power Plant Equity Funding	-	9,000,000	10,000,000	10,000,000	10,000,000	-
41 Total Transfers Out	13,325,244	17,603,705	22,500,000	25,222,292	25,222,292	25,850,000
42 Balance Available to BPUB:						
43 Improvement Fund - Surplus Revenues	4,500,711	5,612,430	18,989,882	-	13,518,058	-
44 Total	\$ 17,825,955	\$ 23,216,135	\$ 41,489,882	\$ 25,222,292	\$ 38,740,350	\$ 25,850,000
45 Debt Service Coverage Ratio	2.22	2.46	2.97	2.27	3.05	2.34

## ELECTRIC REVENUES & REQUIREMENTS FY 2013 – FY 2017

	FY 2013 Actual	FY 2014 Actual	FY 2015 Actual	FY 2016 Amended Budget	FY 2016 Estimated Year End	FY 2017 Approved Budget
1 Operating Revenues	\$ 114,223,670	\$ 134,710,395	\$ 143,337,388	\$ 132,990,038	\$ 140,509,098	\$ 141,136,733
2 Off-system Sales Revenues	237,173	921,782	12,182,728	3,100,000	15,263,532	6,000,000
3 Net Operating Revenues	114,460,843	135,632,177	155,520,116	136,090,038	155,772,630	147,136,733
4 Interest from Investments	322,365	246,096	412,754	441,000	583,836	480,000
5 Other Revenues	11,412,117	12,940,146	9,216,194	9,400,000	7,329,195	8,229,606
6 Other Non-operating Revenues	960,003	2,101,377	1,127,489	995,336	964,069	1,290,000
7 Gross Revenues	127,155,328	150,919,797	166,276,553	146,926,374	164,649,730	157,136,339
8 Less:						
9 Fuel & Energy Costs	53,915,199	66,941,752	65,220,979	59,000,000	58,178,417	59,162,176
10 Off-system Sales Expenses	125,996	656,513	2,781,118	2,300,000	4,052,441	3,900,000
11 SRWA O&M	-	-	-	-	-	-
12 SRWA Debt Service	-	-	-	-	-	-
13 Adjusted Gross Revenues	73,114,133	83,321,532	98,274,456	85,626,374	102,418,872	94,074,163
14 Personnel O&M Expenses	15,507,127	16,201,467	16,676,399	20,353,170	19,638,261	20,755,235
15 Non-Personnel O&M Expenses	17,045,225	17,103,041	16,324,189	19,145,267	16,334,195	23,086,813
16 Subtotal O&M Expenses	32,427,356	33,304,508	33,000,588	39,498,437	35,972,456	43,842,048
17 Market Adjustment (95%)	-	-	-	-	-	61,824
18 Salary Compression Adj (95%)	-	-	-	-	-	178,759
19 Cost of Living Adjustment (3%)	-	-	-	-	-	495,725
20 Silas Ray Unit 10 Maintenance	-	-	-	-	-	1,537,500
21 New Positions	-	-	-	-	-	-
22 Total O&M Expenses	32,427,356	33,304,509	33,000,588	39,498,437	35,972,456	46,115,856
23 Other Non-Operating Expenses	747,930	524,579	(11,484)	300,000	565,185	900,000
24 Balance Available for Debt Service and Other Legal Purposes	39,938,847	49,492,445	65,285,352	45,827,937	65,881,231	47,058,307
25 Debt Service:						
26 Existing	15,319,824	15,616,019	16,426,851	17,533,430	17,439,308	17,267,517
27 Commercial Paper Interest Expense	1,638	3,506	8,084	30,000	-	30,000
28 Total Debt Service & CP Expense	15,321,462	15,619,525	16,434,935	17,563,430	17,439,308	17,297,517
29 Available After Debt Service	24,617,385	33,872,920	48,850,417	28,264,507	48,441,923	29,760,790
30 Other Uses of Cash:						
31 COB Cash Transfer	3,975,000	4,416,131	5,792,088	4,522,215	6,395,652	5,260,790
32 COB Usage	3,336,413	3,916,022	4,035,358	4,040,422	3,846,235	4,146,626
33 Total Cash/Utility Benefit COB	7,311,413	8,332,153	9,827,446	8,562,637	10,241,887	9,407,416
34 Balance Available to Surplus for Transfers Out	\$ 17,305,972	\$ 25,540,768	\$ 43,058,329	\$ 23,742,292	\$ 38,200,036	\$ 24,500,000
35 Proposed Uses of Balance Available for Transfers Out:						
36 Operating Subaccount-Fuel Adjustment	\$ 2,225,000	\$ 1,000,000	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000	\$ 15,000,000
37 Improvement Fund- CIP Funding	9,569,020	7,603,704	7,000,000	7,200,000	7,200,000	9,000,000
38 Improvement Fund - COB USACE Program	-	-	500,000	500,000	500,000	500,000
39 Improvement Fund - COB USACE Resaca Blvd CAP	-	-	-	932,292	932,292	-
40 Tenaska Power Plant Equity Funding	-	9,000,000	10,000,000	10,000,000	10,000,000	-
41 Total Transfers Out	11,794,020	17,603,704	22,500,000	23,632,292	23,632,292	24,500,000
42 Balance Available to BPUB:						
43 Improvement Fund - Surplus Revenues	5,511,952	7,937,063	20,558,329	110,000	14,567,744	-
44 Total	\$ 17,305,972	\$ 25,540,768	\$ 43,058,329	\$ 23,742,292	\$ 38,200,036	\$ 24,500,000
45 Debt Service Coverage Ratio	2.61	3.17	3.97	2.61	3.78	2.72

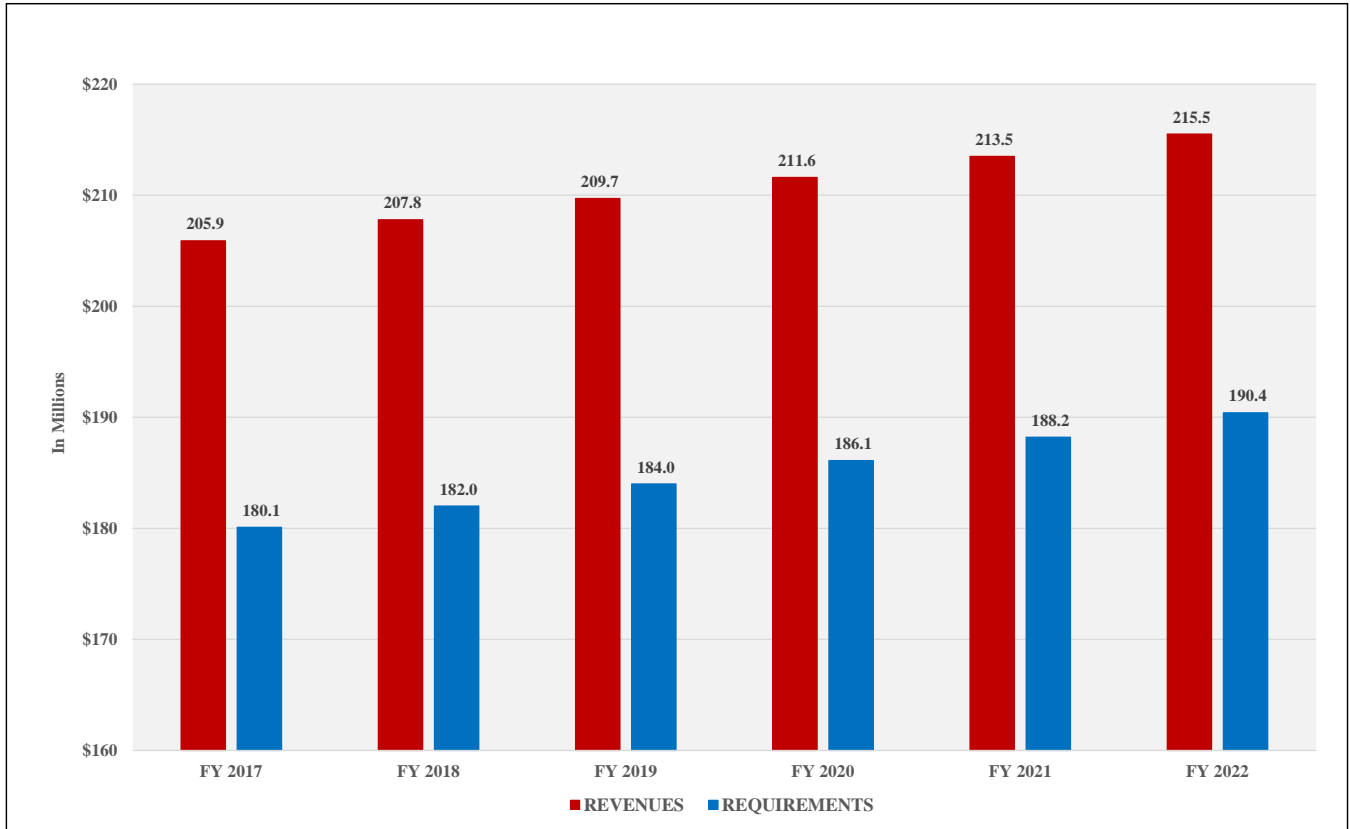
## WATER REVENUES & REQUIREMENTS FY 2013 – FY 2017

	FY 2013 Actual	FY 2014 Actual	FY 2015 Actual	FY 2016 Amended Budget	FY 2016 Estimated Year End	FY 2017 Approved Budget
1 Operating Revenues	\$ 21,845,309	\$ 22,137,313	\$ 21,774,560	\$ 23,546,313	\$ 23,381,182	\$ 24,283,989
2 Off-system Sales Revenues	-	-	-	-	-	-
3 Net Operating Revenues	21,845,309	22,137,313	21,774,560	23,546,313	23,381,182	24,283,989
4 Interest from Investments	107,455	82,032	137,585	147,000	191,750	160,000
5 Other Revenues	1,054,328	1,162,867	1,342,068	730,000	1,111,918	1,224,900
6 Other Non-operating Revenues	324,659	234,881	219,609	250,000	195,933	105,000
7 Gross Revenues	23,331,751	23,617,093	23,473,822	24,673,313	24,880,783	25,773,889
8 Less:						
9 Fuel & Energy Costs	-	-	-	-	-	-
10 Off-system Sales Expenses	-	-	-	-	-	-
11 SRWA O&M	2,688,914	2,795,503	3,585,642	3,752,642	3,585,642	3,719,365
12 SRWA Debt Service	2,178,768	2,147,494	2,152,371	2,158,034	2,158,034	2,159,360
13 Adjusted Gross Revenues	18,464,069	18,674,096	17,735,809	18,762,637	19,137,107	19,895,164
14 Personnel O&M Expenses	8,262,833	8,848,982	8,186,633	7,828,018	8,308,777	7,877,552
15 Non-Personnel O&M Expenses	4,716,759	6,409,668	6,068,439	5,206,993	5,907,783	4,973,422
16 Subtotal O&M Expenses	13,715,255	15,258,650	14,255,072	13,035,011	14,216,560	12,850,974
17 Market Adjustment (95%)	-	-	-	-	-	141,986
18 Salary Compression Adj (95%)	-	-	-	-	-	131,284
19 Cost of Living Adjustment (3%)	-	-	-	-	-	189,288
20 Silas Ray Unit 10 Maintenance	-	-	-	-	-	-
21 New Positions	-	-	-	-	-	80,000
22 Total O&M Expenses	13,715,255	15,258,650	14,255,072	13,035,011	14,216,560	13,393,532
23 Other Non-Operating Expenses	533,510	291,834	134,066	100,000	190,220	300,000
24 Balance Available for Debt Service and Other Legal Purposes	4,215,304	3,123,612	3,346,671	5,627,626	4,730,327	6,201,632
25 Debt Service:						
26 Existing	3,149,416	3,219,429	3,488,421	3,488,545	3,477,058	3,459,759
27 Commercial Paper Interest Expense	4,174	997	2,299	22,500	-	22,500
28 Total Debt Service & CP Expense	3,153,590	3,220,426	3,490,720	3,511,045	3,477,058	3,482,259
29 Available After Debt Service	1,061,714	(96,814)	(144,049)	2,116,581	1,253,269	2,719,373
30 Other Uses of Cash:						
31 COB Cash Transfer	1,229,205	1,248,794	1,258,706	1,271,581	1,289,096	1,369,373
32 COB Usage	617,202	618,616	514,875	604,683	624,615	620,143
33 Total Cash/Utility Benefit COB	1,846,407	1,867,410	1,773,581	1,876,264	1,913,711	1,989,516
34 Balance Available to Surplus for Transfers Out	\$ (784,693)	\$ (1,964,224)	\$ (1,402,755)	\$ 845,000	\$ (660,442)	\$ 1,350,000
35 <u>Proposed Uses of Balance Available for Transfers Out:</u>						
36 Operating Subaccount-Fuel Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
37 Improvement Fund- CIP Funding	-	-	-	750,000	750,000	1,350,000
38 Improvement Fund - COB USACE Program	-	-	-	-	-	-
39 Improvement Fund - COB USACE Resaca Blvd CAP	-	-	-	150,000	150,000	-
40 Tenaska Power Plant Equity Funding	-	-	-	-	-	-
41 Total Transfers Out	-	-	-	900,000	900,000	1,350,000
42 Balance Available to BPUB:						
43 Improvement Fund - Surplus Revenues	(784,693)	(1,964,224)	(1,402,755)	(55,000)	(1,560,442)	-
44 Total	\$ (784,693)	\$ (1,964,224)	\$ (1,402,755)	\$ 845,000	\$ (660,442)	\$ 1,350,000
45 Debt Service Coverage Ratio	1.34	0.97	0.96	1.60	1.36	1.78

**WASTEWATER REVENUES & REQUIREMENTS**  
**FY 2013 – FY 2017**

	FY 2013 Actual	FY 2014 Actual	FY 2015 Actual	FY 2016 Amended Budget	FY 2016 Estimated Year End	FY 2017 Approved Budget
1 Operating Revenues	\$ 22,254,767	\$ 21,691,760	\$ 21,554,127	\$ 22,210,086	\$ 22,283,635	\$ 22,135,194
2 Off-system Sales Revenues	-	-	-	-	-	-
3 Net Operating Revenues	22,254,767	21,691,760	21,554,127	22,210,086	22,283,635	22,135,194
4 Interest from Investments	107,455	82,032	137,585	147,000	191,750	160,000
5 Other Revenues	505,472	577,060	592,121	730,000	575,618	603,363
6 Other Non-operating Revenues	182,868	184,571	204,348	250,000	192,436	105,000
7 Gross Revenues	23,050,562	22,535,423	22,488,181	23,337,086	23,243,439	23,003,557
8 Less:						
9 Fuel & Energy Costs	-	-	-	-	-	-
10 Off-system Sales Expenses	-	-	-	-	-	-
11 SRWA O&M	-	-	-	-	-	-
12 SRWA Debt Service	-	-	-	-	-	-
13 Adjusted Gross Revenues	23,050,562	22,535,423	22,488,181	23,337,086	23,243,439	23,003,557
14 Personnel O&M Expenses	8,211,186	8,876,182	8,410,051	9,676,120	8,998,890	9,660,086
15 Non-Personnel O&M Expenses	5,253,345	5,841,025	6,234,024	5,827,635	5,556,035	5,517,830
16 Subtotal O&M Expenses	13,464,531	14,717,207	14,644,075	15,503,755	14,554,925	15,177,916
17 Market Adjustment (95%)	-	-	-	-	-	140,412
18 Salary Compression Adj (95%)	-	-	-	-	-	135,998
19 Cost of Living Adjustment (3%)	-	-	-	-	-	229,636
20 Silas Ray Unit 10 Maintenance	-	-	-	-	-	-
21 New Positions	-	-	-	-	-	-
22 Total O&M Expenses	13,464,531	14,717,207	14,644,076	15,503,755	14,554,925	15,683,962
23 Other Non-Operating Expenses	477,888	383,820	327,860	100,000	140,922	300,000
24 Balance Available for Debt Service and Other Legal Purposes	9,108,143	7,434,396	7,516,245	7,733,331	8,547,592	7,019,595
25 Debt Service:						
26 Existing	5,489,863	5,539,837	5,689,341	5,034,547	5,022,492	5,009,675
27 Commercial Paper Interest Expense	8,547	1,426	3,288	22,500	-	22,500
28 Total Debt Service & CP Expense	5,498,410	5,541,263	5,692,629	5,057,047	5,022,492	5,032,175
29 Available After Debt Service	3,609,733	1,893,133	1,823,617	2,676,284	3,525,100	1,987,420
30 Other Uses of Cash:						
31 COB Cash Transfer	1,984,487	1,948,551	1,989,310	2,041,284	1,991,082	1,987,420
32 COB Usage	320,569	304,991	259,508	292,425	333,262	312,936
33 Total Cash/Utility Benefit COB	2,305,056	2,253,542	2,248,818	2,333,709	2,324,344	2,300,356
34 Balance Available to Surplus for Transfers Out	\$ 1,304,676	\$ (360,409)	\$ (165,693)	\$ 635,000	\$ 1,200,756	\$ -
35 <u>Proposed Uses of Balance Available for Transfers Out:</u>						
36 Operating Subaccount-Fuel Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
37 Improvement Fund- CIP Funding	1,531,224	-	-	540,000	540,000	-
38 Improvement Fund - COB USACE Program	-	-	-	-	-	-
39 Improvement Fund - COB USACE Resaca Blvd CAP	-	-	-	150,000	150,000	-
40 Tenaska Power Plant Equity Funding	-	-	-	-	-	-
41 Total Transfers Out	1,531,224	-	-	690,000	690,000	-
42 Balance Available to BPUB:						
43 Improvement Fund - Surplus Revenues	(226,547)	(360,409)	(165,693)	(55,000)	510,756	-
44 Total	\$ 1,304,676	\$ (360,409)	\$ (165,693)	\$ 635,000	\$ 1,200,756	\$ -
45 Debt Service Coverage Ratio	1.66	1.34	1.32	1.53	1.70	1.39

**PROJECTED REVENUES & REQUIREMENTS  
FY 2017 – FY 2022**



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***OPERATIONS AND  
MAINTENANCE EXPENSE  
BUDGET***



**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.

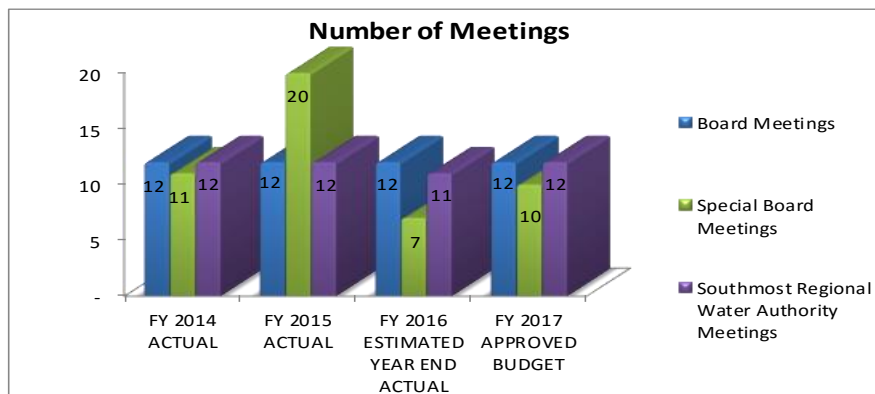
**Department Goals/Objectives:**

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

	<b>FY 2014 ACTUAL</b>	<b>FY 2015 ACTUAL</b>	<b>FY 2016 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2017 APPROVED BUDGET</b>
	5	4	3	3
	\$ 582,380	\$ 321,465	\$ 425,810	\$ 418,499
	\$ 1,176,069	\$ 1,148,718	\$ 947,123	\$ 1,116,048
<b>OUTPUT MEASURES</b>				
Board Meetings	12	12	12	12
Director Meetings	48	48	48	48
Agenda Items Reviewed	350	350	350	300
<b>OUTCOME MEASURES</b>				
Joint Meetings with City Commission	-	1	-	1
Southmost Regional Water Authority Meetings	12	12	11	12
Special Board Meetings	11	20	7	10





**DEPARTMENT 1110 - GENERAL MANAGER**

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 275,060	\$ 306,223	\$ 215,737	\$ 211,517	\$ 213,144	\$ 211,517
6110 Clerical staff	85,145	89,881	90,755	128,398	99,464	97,157
6130 Overtime	5,547	6,700	5,826	7,559	3,805	1,768
6201 T.M.R.S.	52,572	56,548	41,723	42,729	53,898	54,604
6205 F.I.C.A.	16,633	16,159	11,831	21,075	12,682	19,138
6210 Medicare	5,350	5,873	4,534	4,929	4,717	4,476
6214 Dental Insurance	946	908	738	1,180	779	877
6215 Hospitalization insurance	24,633	23,986	18,274	27,080	21,084	24,461
6220 Life Insurance	543	487	392	2,787	398	303
6221 Long Term Disability Insurance	945	1,010	810	1,190	819	617
6225 Workers Compensation	12,555	13,016	8,941	8,498	8,738	7,717
6230 Vacation leave	11,231	496	(15,591)	5,438	(2,358)	3,735
6235 Sick leave	2,763	44,593	(71,794)	5,977	(361)	4,105
6242 Auto Benefits	16,500	16,500	9,289	9,000	9,000	9,000
6260 Vacancy Savings	-	-	-	(22,469)	-	(20,976)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>510,424</b>	<b>582,380</b>	<b>321,465</b>	<b>454,888</b>	<b>425,810</b>	<b>418,499</b>
<i>O&amp;M NON-PERSONNEL</i>						
7102 Sponsorships	-	41,050	49,470	50,000	35,650	50,000
7105 Books & periodicals	42	954	-	-	-	-
7110 Dues & memberships	51,030	45,993	40,993	7,548	6,439	7,548
7120 Office supplies	1,706	1,274	3,379	4,500	1,456	4,500
7130 Postage/shipping charges	1,149	534	366	500	315	500
7135 Telephone expenses	234	-	-	-	-	-
7140 Training expenses	2,714	4,495	3,105	2,475	1,150	5,000
7145 Travel expenses	43,064	28,353	20,003	18,650	10,275	22,250
7299 Other materials & supplies	2,430	2,444	749	750	921	750
7310 Federal, state, & local fees	2,922	-	-	-	-	-
7315 Food, meals, ice, water	1,761	3,162	1,242	1,500	1,416	1,500
7320 Official functions	582	2,735	1,005	2,200	200	2,200
7601 Legal Fees	1,090,174	1,027,949	981,168	929,000	889,189	929,000
7605 Engineering fees	149,310	10,011	-	42,500	-	42,500
7699 Other services	498	5,567	44,510	50,000	-	50,000
7805 Computer equipment	329	-	-	300	113	300
7820 Office furniture & equipment	-	1,549	668	-	-	-
7899 Other minor tools & equipment	-	-	2,060	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>1,347,944</b>	<b>1,176,069</b>	<b>1,148,718</b>	<b>1,109,923</b>	<b>947,123</b>	<b>1,116,048</b>
	<b>\$ 1,858,368</b>	<b>\$ 1,758,450</b>	<b>\$ 1,470,183</b>	<b>\$ 1,564,811</b>	<b>\$ 1,372,933</b>	<b>\$ 1,534,547</b>



**BROWNSVILLE  
PUBLIC UTILITIES BOARD**



**Department Responsibility:** Melida Pinales  
**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.

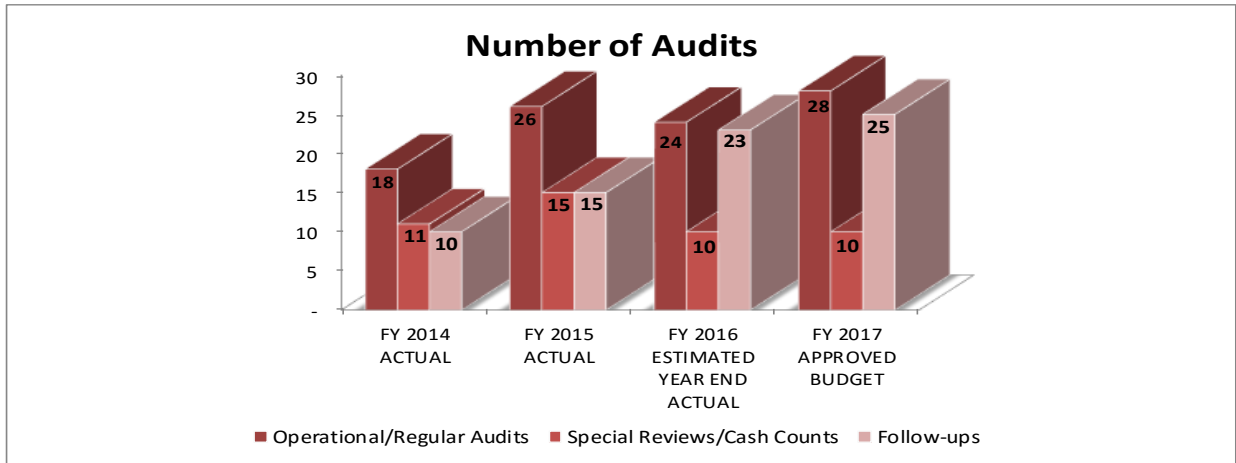
**INPUT MEASURES**

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

	<b>FY 2014 ACTUAL</b>	<b>FY 2015 ACTUAL</b>	<b>FY 2016 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2017 APPROVED BUDGET</b>
	3	3	3	3
	\$ 280,906	\$ 257,529	\$ 275,003	\$ 272,673
	\$ 9,224	\$ 6,078	\$ 12,606	\$ 15,296
<b>OUTPUT MEASURES</b>				
	18	26	24	28
	11	15	10	10
	110	129	90	75
	10	15	23	25
	12	12	12	12
	4	4	4	4

**OUTPUT MEASURES**

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



**DEPARTMENT 1120 - INTERNAL AUDIT**

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 64,067	\$ 72,287	\$ 72,835	\$ 73,466	\$ 73,977	\$ 73,466
6105 Administrative Staff	74,399	114,909	116,824	116,376	119,968	122,117
6201 T.M.R.S.	20,204	26,691	25,814	23,863	32,242	34,599
6205 F.I.C.A.	8,408	11,124	11,306	11,770	11,497	12,126
6206 Suta	1,306	1,282	-	-	-	-
6210 Medicare	1,966	2,602	2,644	2,753	2,689	2,836
6214 Dental Insurance	711	825	818	908	804	907
6215 Hospitalization insurance	17,017	23,961	23,739	26,275	26,010	30,216
6220 Life Insurance	187	250	254	1,557	256	202
6221 Long Term Disability Insurance	365	492	502	664	507	391
6225 Workers Compensation	3,802	4,680	4,741	4,746	4,854	4,890
6230 Vacation leave	3,245	6,206	(4,060)	3,175	(367)	2,367
6235 Sick leave	5,624	15,598	2,113	3,490	2,567	2,601
6260 Vacancy Savings	-	-	-	(13,119)	-	(14,044)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>201,301</u>	<u>280,906</u>	<u>257,529</u>	<u>255,922</u>	<u>275,003</u>	<u>272,673</u>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	171	269	450	192	700
7110 Dues & memberships	1,565	1,715	1,920	2,000	2,324	2,650
7120 Office supplies	337	901	1,410	1,000	784	1,500
7140 Training expenses	6,845	3,484	140	3,585	3,638	3,600
7145 Travel expenses	2,725	1,734	1,546	5,893	4,042	4,881
7225 Safety supplies	-	-	-	100	74	100
7299 Other materials & supplies	-	-	62	-	-	-
7315 Food, meals, ice, water	56	36	68	200	417	200
7335 Wearing apparel & dry goods	459	677	546	500	547	515
7415 Fuels & lubricants	164	197	117	350	152	500
7805 Computer equipment	-	-	-	-	437	250
7820 Office furniture & equipment	-	309	-	-	-	400
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>12,152</u>	<u>9,224</u>	<u>6,078</u>	<u>14,078</u>	<u>12,606</u>	<u>15,296</u>
	<b>\$ 213,453</b>	<b>\$ 290,130</b>	<b>\$ 263,607</b>	<b>\$ 270,000</b>	<b>\$ 287,609</b>	<b>\$ 287,969</b>



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

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

**Department Function:**

The Key Accounts 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 Accounts 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 goal of the department is to increase satisfaction among Key Accounts by offering personal, responsive service to meet their needs.

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 34,731	\$ 36,314	\$ 28,911	\$ 95,509	\$ 46,898	\$ 45,993
6105 Administrative Staff	46,573	47,869	45,639	109,358	81,728	119,059
6110 Clerical staff	-	6,073	13,540	21,848	22,373	21,848
6130 Overtime	-	21	571	492	807	709
6201 T.M.R.S.	11,859	12,859	13,826	28,504	25,406	33,063
6205 F.I.C.A.	4,946	5,410	6,168	14,056	8,907	11,588
6206 Suta	-	-	290	-	97	-
6210 Medicare	1,157	1,265	1,443	3,287	2,083	2,710
6214 Dental Insurance	424	475	517	1,513	890	1,210
6215 Hospitalization insurance	10,253	11,925	12,458	32,586	26,832	38,932
6220 Life Insurance	111	122	132	1,859	211	203
6221 Long Term Disability Insurance	215	235	252	794	402	374
6225 Workers Compensation	4,450	4,474	5,227	5,668	4,750	4,673
6230 Vacation leave	2,356	670	7,036	3,811	2,381	2,261
6235 Sick leave	5,088	(3,386)	13,991	4,189	1,159	2,486
6260 Vacancy Savings	-	-	-	(15,749)	-	(13,846)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>122,164</i>	<i>124,325</i>	<i>150,002</i>	<i>307,726</i>	<i>224,924</i>	<i>271,261</i>
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising	844	2,881	11,343	5,000	12,359	5,000
7102 Sponsorships	-	-	-	-	-	2,000
7105 Books & periodicals	-	670	56	300	106	300
7110 Dues & memberships	45	424	1,060	600	900	600
7120 Office supplies	1,154	1,379	1,659	1,600	2,109	1,600
7130 Postage/shipping charges	36	-	30	500	61	1,000
7135 Telephone expenses	331	342	-	600	89	600
7140 Training expenses	2,675	525	1,787	2,000	1,023	6,840
7145 Travel expenses	3,940	2,669	2,278	2,500	3,959	10,000
7147 Mileage Reimbursement (InTownExp)	89	-	-	250	-	250
7225 Safety supplies	-	47	-	-	-	-
7299 Other materials & supplies	152	31	-	250	215	250
7310 Federal, state, & local fees	-	26	-	-	-	-
7315 Food, meals, ice, water	1,184	445	3,814	1,200	1,846	3,000
7320 Official functions	4,577	2,125	7,396	6,500	3,436	6,500

**DEPARTMENT 1125 - KEY ACCOUNT MARKETING**

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
7415 Fuels & lubricants	634	624	596	700	494	700
7635 Software maintenance service fees	759	782	806	2,500	438	2,500
7699 Other services	6,692	1,733	3,077	2,500	5,317	6,000
7805 Computer equipment	149	-	53	250	-	1,582
7806 Software licenses - new	2,500	1,362	955	1,000	-	2,850
7820 Office furniture & equipment	2,182	-	3,575	2,200	883	1,752
<i>O&amp;M NON-PERSONNEL TOTAL</i>	27,944	16,064	38,486	30,450	33,236	53,324
	\$ 150,107	\$ 140,389	\$ 188,488	\$ 338,176	\$ 258,160	\$ 324,585



**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. The department includes the records management function of the utility.

**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 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 109,548	\$ 143,281	\$ 125,489	\$ 125,008	\$ 125,335	\$ 125,008
6110 Clerical staff	23,913	30,551	28,839	30,451	27,016	28,995
6130 Overtime	473	912	816	1,208	1,426	1,150
6201 T.M.R.S.	19,550	24,892	21,120	19,541	26,948	27,243
6205 F.I.C.A.	8,417	11,035	9,298	9,638	8,857	9,548
6210 Medicare	2,007	2,581	2,321	2,254	2,351	2,233
6214 Dental Insurance	505	617	525	605	511	605
6215 Hospitalization insurance	13,611	16,917	14,631	16,333	13,349	16,073
6220 Life Insurance	178	229	202	1,275	199	156
6221 Long Term Disability Insurance	357	462	407	544	401	308
6225 Workers Compensation	3,952	4,598	4,108	3,886	4,091	3,850
6230 Vacation leave	(110)	6,005	(2,600)	2,535	(4,197)	1,863
6235 Sick leave	1,744	5,930	(1,274)	2,787	1,533	2,048
6242 Auto Benefits	7,500	7,500	7,500	7,500	7,462	7,500
6243 Telephone Benefits	1,680	1,680	1,680	1,680	1,672	1,680
6260 Vacancy Savings	-	-	-	(10,477)	-	(10,667)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>193,325</i>	<i>257,191</i>	<i>213,062</i>	<i>214,770</i>	<i>216,954</i>	<i>217,593</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	459	444	-	250	207	500
7110 Dues & memberships	375	4,511	195	500	311	1,000
7115 Educational material	-	-	-	200	-	200
7120 Office supplies	1,522	2,325	1,769	3,500	1,219	3,500
7130 Postage/shipping charges	77	41	-	200	57	600
7135 Telephone expenses	-	-	-	-	-	1,000
7140 Training expenses	1,121	2,291	375	1,900	2,269	1,900
7145 Travel expenses	2,272	2,696	1,223	2,750	6,532	2,750
7215 Laundry & janitorial supplies	-	-	-	-	41	-
7225 Safety supplies	343	-	181	250	-	250
7299 Other materials & supplies	228	-	-	250	302	500
7315 Food, meals, ice, water	1,457	1,394	962	750	1,165	1,000

**DEPARTMENT 1130 - COMMUNICATIONS AND ADMINISTRATIVE SERVICES**

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
7320 Official functions	-	1,107	-	-	-	-
7325 Rental of equip/storage/land	6,401	3,533	3,302	5,500	5,018	5,500
7335 Wearing apparel & dry goods	-	-	-	-	33	-
7415 Fuels & lubricants	233	226	-	-	-	-
7601 Legal Fees	-	-	740	2,500	11,335	5,000
7645 Maintenance services	25,377	18,107	16,049	25,000	17,141	25,000
7699 Other services	13,270	221	-	-	-	-
7805 Computer equipment	311	55	-	1,000	406	-
7820 Office furniture & equipment	78	1,160	-	1,300	714	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>53,525</u>	<u>38,112</u>	<u>24,796</u>	<u>45,850</u>	<u>46,752</u>	<u>48,700</u>
	\$ 246,850	\$ 295,303	\$ 237,858	\$ 260,620	\$ 263,706	\$ 266,293



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

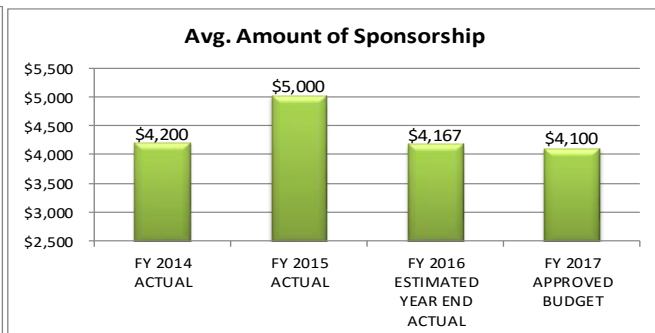
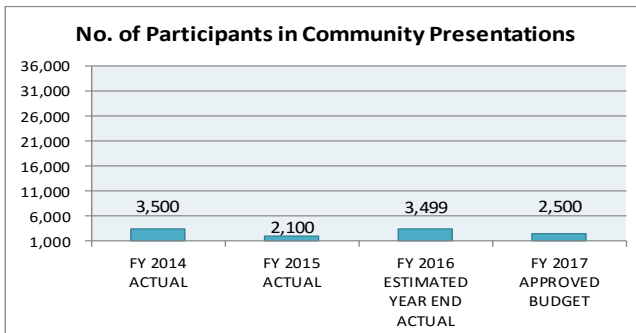
**OUTCOME MEASURES**

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\* [Metrics based on Google Analytics]

**EFFICIENCY MEASURES**

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

	FY 2014 ACTUAL	FY 2015 ACTUAL	FY 2016 ESTIMATED YEAR END ACTUAL	FY 2017 APPROVED BUDGET
Employees	4	4	4	4
O&M Expenditures	\$ 736,094	\$ 704,860	\$ 732,643	\$ 1,090,571
Operational Reports [Outreach Report/ Communications & PR Report]	12	12	12	12
No. of Community Presentations	24	24	403	24
No. of Tours	12	23	23	20
No. of Safety Presentations (including lobby video)	23	32	35	30
No. of Lobby Presentations (per BPUB TV)	9	17	20	20
Sponsorships Conducted within Policy	27	25	31	28
No. of Weekly Connections Produced	30	50	31	31
No. of Family Connections Produced	6	6	6	6
No. of PUBCAP Meetings	8	11	11	11
No. of Bill Inserts Produced	12	11	11	11
Water Consumer Confidence Report (CCR) Produced and Distributed Within Regulations	60,000/59,500	60,000/59,500	63,400	64,000
Public Information Campaigns Conducted	10	14	12	12
No. of Participants in Community Presentations	3,500	2,100	3,499	2,500
No. of Participants in Tours	321	725	290	300
No. of Participants in Safety Presentations	1,920	2,000	1,135	1,100
No. of Participants in Lobby Presentations	200	210	100	150
No. of Bill Inserts Distributed (Including CCR)	577,500	600,000	618,600	618,600
Customer Online Engagement* [Metrics based on Google Analytics]	47%	50%	191,364	191,364
Avg. No. of Outreach Contacts [Media/Communications]	143 Media /Comm.	200 Media/Comm.	198 Media/Comm	200
Avg. Amount of Sponsorship	\$ 4,200	\$ 5,000	\$ 4,167	\$ 4,100



\* In late FY 2014-2015 BPUB implemented more exact measurement tools via Google Analytics to gauge customer engagement online. FY 2015-2016 will reflect more accurate data, rather than averages.



## DEPARTMENT 1135 - COMMUNICATIONS AND PUBLIC RELATIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 61,108	\$ 67,002	\$ 84,194	\$ 124,758	\$ 72,565	\$ 70,034
6105 Administrative Staff	78,205	89,301	106,293	88,275	129,634	144,290
6201 T.M.R.S.	21,654	22,353	26,129	26,778	33,873	37,914
6205 F.I.C.A.	9,027	9,498	11,520	13,208	12,099	13,288
6210 Medicare	2,111	2,221	2,694	3,089	2,830	3,108
6214 Dental Insurance	796	770	922	1,210	989	1,210
6215 Hospitalization insurance	19,440	19,167	25,353	32,084	30,087	36,897
6220 Life Insurance	197	210	263	1,747	275	227
6221 Long Term Disability Insurance	380	411	513	746	535	429
6225 Workers Compensation	4,086	3,936	4,806	5,326	5,070	5,358
6230 Vacation leave	5,050	1,985	2,159	3,596	613	2,593
6235 Sick leave	5,600	5,268	(3,071)	3,953	2,464	2,850
6260 Vacancy Savings	-	-	-	(14,861)	-	(15,590)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>207,654</u>	<u>222,122</u>	<u>261,774</u>	<u>289,910</u>	<u>291,035</u>	<u>302,606</u>
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising	198,213	205,451	187,998	200,000	138,739	200,000
7102 Sponsorships	161,976	137,560	130,625	110,000	121,100	125,000
7105 Books & periodicals	-	65	66	200	-	200
7110 Dues & memberships	246	1,690	3,455	2,395	3,190	2,315
7115 Educational material	-	-	2,145	6,000	40	6,000
7120 Office supplies	2,205	2,117	2,314	2,500	779	3,000
7125 Photo equipment/supplies	-	218	-	2,000	-	6,800
7130 Postage/shipping charges	47	321	198	200	319	200
7135 Telephone expenses	800	-	-	-	-	-
7140 Training expenses	3,799	1,527	2,521	2,800	2,935	3,000
7145 Travel expenses	5,783	3,375	1,311	3,500	11,406	8,000
7199 Miscellaneous office expenses	-	-	-	500	-	2,000
7201 Barricades & signs	44	-	-	-	-	-
7215 Laundry & janitorial supplies	241	-	639	250	705	-
7225 Safety supplies	309	561	212	-	1,032	300
7299 Other materials & supplies	6,672	3,094	4,503	7,000	2,657	7,000
7315 Food, meals, ice, water	1,173	2,205	1,744	3,000	1,138	3,000
7320 Official functions	10,342	19,747	23,485	14,500	23,320	30,000
7325 Rental of equip/storage/land	2,310	5,467	5,062	6,000	8,031	11,000
7335 Wearing apparel & dry goods	-	517	316	500	189	1,100
7415 Fuels & lubricants	11	172	308	500	307	500
7601 Legal Fees	-	-	-	-	120	-
7635 Software maintenance service fees	-	780	-	-	-	-
7645 Maintenance services	-	-	-	250	-	250
7699 Other services	84,757	128,523	72,452	175,000	123,991	375,200
7805 Computer equipment	2,057	-	1,160	1,600	754	1,550
7806 Software licenses - new	-	581	2,427	1,850	240	1,550
7820 Office furniture & equipment	5,843	-	144	-	613	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>486,829</u>	<u>513,971</u>	<u>443,086</u>	<u>540,545</u>	<u>441,608</u>	<u>787,965</u>
	<b>\$ 694,482</b>	<b>\$ 736,094</b>	<b>\$ 704,860</b>	<b>\$ 830,455</b>	<b>\$ 732,643</b>	<b>\$ 1,090,571</b>



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 the complex change and growth that is inherent in a dynamic workplace.

**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 2014 ACTUAL	FY 2015 ACTUAL	FY 2016 ESTIMATED YEAR END	FY 2017 APPROVED BUDGET
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**INPUT MEASURES**

Employees (FTEs)  
O&M Expenses Non-Personnel

3	3	3	3
\$ 116,136	\$ 96,774	\$ 81,326	\$ 159,900

**OUTPUT MEASURES**

Number of Employees Participating in Self-Paced Learning (MS Office, Typing Tutor, Online Courses)  
Total Training Hours in All Categories  
Employees Attended Training/Workshops

12	15	201	65
6,048	6,095	6,000	6,060
600	615	600	600

**OUTCOME MEASURES**

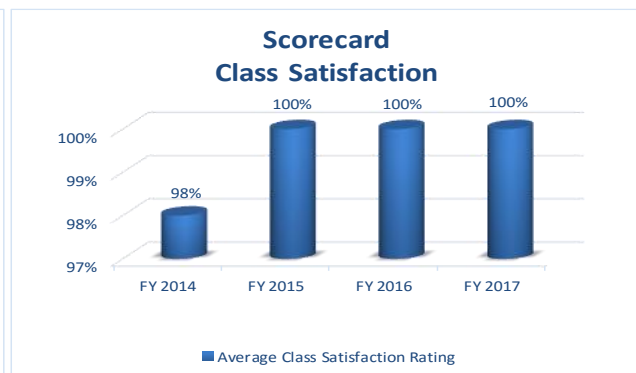
Number of Courses/Workshops  
Number of Leadership Academy Participants  
% of In-House Classes/Workshops  
% of Outsourced Classes/Workshops  
% of Employees Who Report New Learning That Will Help Them on the Job

168	137	150	170
28	28	30	30
64%	62%	72%	80%
36%	38%	28%	20%
98%	99%	100%	100%

**EFFICIENCY MEASURES**

Average Class Satisfaction Rating  
Average Professional Development Training Hours Per Employee

98%	100%	100%	100%
10	10	10	10



## DEPARTMENT 1140 - ORGANIZATIONAL DEVELOPMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 63,138	\$ 69,225	\$ 70,178	\$ 69,909	\$ 70,212	\$ 69,909
6105 Administrative Staff	51,994	84,165	105,444	105,040	108,397	110,282
6110 Clerical staff	27,378	16,267	-	-	-	-
6130 Overtime	781	341	-	250	-	1,000
6201 T.M.R.S.	20,902	24,226	23,904	21,991	29,700	31,876
6205 F.I.C.A.	8,598	10,175	10,517	10,847	10,657	11,172
6210 Medicare	2,011	2,380	2,460	2,537	2,492	2,613
6214 Dental Insurance	843	867	818	908	804	907
6215 Hospitalization insurance	20,385	20,777	19,733	21,852	21,628	25,130
6220 Life Insurance	194	231	237	1,435	238	188
6221 Long Term Disability Insurance	370	447	464	612	467	360
6225 Workers Compensation	3,918	4,250	4,391	4,374	4,473	4,505
6230 Vacation leave	1,711	771	(1,033)	2,898	(960)	6,144
6235 Sick leave	930	403	1,054	3,185	(2,586)	2,397
6260 Vacancy Savings	-	-	-	(11,975)	-	(12,807)
<i>O&amp;M PERSONNEL TOTAL</i>	203,154	234,526	238,166	233,861	245,523	253,675
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	189	626	397	150	13	350
7110 Dues & memberships	1,393	1,802	1,751	2,000	1,915	3,400
7115 Educational material	12,723	8,594	14,556	16,000	15,752	16,000
7120 Office supplies	1,782	2,052	2,782	2,000	510	2,000
7130 Postage/shipping charges	275	194	-	200	-	200
7135 Telephone expenses	-	452	-	-	-	1,500
7140 Training expenses	4,390	3,863	445	2,000	3,895	5,000
7145 Travel expenses	4,092	6,403	2,038	2,000	5,539	7,500
7147 Mileage Reimbursement (InTownExp)	320	20	-	150	24	150
7155 Initial Certificatn/Licensing Reimb	-	-	-	12,000	-	-
7299 Other materials & supplies	70	23	97	500	179	500
7315 Food, meals, ice, water	2,269	2,098	1,798	1,200	1,070	2,500
7322 Recognition Program	422	592	517	500	50	500
7325 Rental of equip/storage/land	-	1,303	1,056	1,200	1,056	1,200
7415 Fuels & lubricants	25	-	-	200	-	200
7635 Software maintenance service fees	5,356	5,356	26,133	6,200	6,014	6,100
7699 Other services	55,206	77,817	45,205	110,000	41,459	110,000
7805 Computer equipment	-	-	-	-	-	1,200
7806 Software licenses - new	-	-	-	2,400	975	350
7820 Office furniture & equipment	397	4,942	-	1,050	2,875	1,250
<i>O&amp;M NON-PERSONNEL TOTAL</i>	88,908	116,136	96,774	159,750	81,326	159,900
	\$ 292,062	\$ 350,661	\$ 334,940	\$ 393,611	\$ 326,849	\$ 413,575



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

**PERFORMANCE MEASURES  
 FOR THE  
 ELECTRICAL SYSTEMS DEPARTMENT**

**Department Function:**

Energy Services Department provides strategic direction for attaining electrical power requirements to ensure that the utility has sustainable energy capacity for load demand growth.

**Department Goals/Objectives:**

Energy Services Division is currently overseeing development contracts over \$20 million dollars associated with the infrastructure of the Tenaska Brownsville Generating Station (i.e. gas, effluent, industrial wastewater discharge and electrical transmission projects). A department goal is to ensure that the Asset Purchase Agreement for 200 MW to be expended over a 4-year period is abided by. The Tenaska Brownsville Generating Station involves a financial pro-forma analysis for the creation of the gas utility system and ensures capital costs are recovered through the proposed City Commission approved tariff rates. Under the direction of Energy Services, strategies for recovering capital costs will be developed such as designing the effluent discharge transportation rate and verifying proposed cooling water effluent water line rates to support the infrastructure needs. Strategies to include the marketing, development, operation and creation of the gas utility system along with other operational plans within the electrical, water and wastewater business units are among the department's goals and objectives.

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 96,354	\$ 124,947	\$ 12,924	\$ 140,005	\$ 228,353	\$ 265,013
6110 Clerical staff	-	-	650	59,426	11,499	32,822
6130 Overtime	-	-	3	-	139	-
6201 T.M.R.S.	14,061	17,796	3,958	25,078	42,723	52,687
6205 F.I.C.A.	5,778	7,830	669	12,365	14,014	18,466
6210 Medicare	1,351	1,831	426	2,892	3,533	4,319
6214 Dental Insurance	282	275	37	605	544	907
6215 Hospitalization insurance	9,129	9,317	1,112	11,619	19,424	30,216
6220 Life Insurance	125	156	19	1,635	294	294
6221 Long Term Disability Insurance	256	324	39	698	609	596
6225 Workers Compensation	2,651	3,238	742	4,986	6,224	7,446
6230 Vacation leave	1,683	2,352	673	3,138	1,783	3,604
6235 Sick leave	3,675	(398)	673	3,449	45,164	3,961
6242 Auto Benefits	-	3,750	1,442	7,500	7,212	-
6243 Telephone Benefits	-	840	323	1,680	1,616	-
6260 Vacancy Savings	-	-	-	(12,965)	-	(20,573)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>135,344</i>	<i>172,258</i>	<i>23,691</i>	<i>262,109</i>	<i>383,130</i>	<i>399,757</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	251	-	200	79	200
7110 Dues & memberships	220	670	-	-	85	900
7120 Office supplies	1,919	1,956	-	500	464	500
7130 Postage/shipping charges	143	301	-	300	-	300
7135 Telephone expenses	-	1,032	-	-	-	-
7140 Training expenses	490	710	-	700	573	2,640
7145 Travel expenses	6,311	9,605	695	2,000	11,330	6,666
7225 Safety supplies	-	-	-	-	-	100
7299 Other materials & supplies	-	130	-	-	-	100
7315 Food, meals, ice, water	2,223	1,355	-	200	25	200

**DEPARTMENT 1145 – ENERGY SERVICES**

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
7601 Legal Fees	-	11,198	-	-	-	-
7605 Engineering fees	14,300	8,213	2,788	100,000	-	-
7635 Software maintenance service fees	-	-	-	-	1,355	1,000
7699 Other services	-	45,000	(32,500)	-	75	200
7805 Computer equipment	-	649	-	-	-	-
7806 Software licenses - new	-	-	-	-	778	1,000
7899 Other minor tools & equipment	-	-	-	-	399	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	25,606	81,068	(29,018)	103,900	15,162	13,806
	\$ 160,950	\$ 253,326	\$ (5,327)	\$ 366,009	\$ 398,292	\$ 413,563



Department Responsibility: John Bruciak  
 Title: General Manager & CEO  
 Telephone Ext: 6277  
 Dept. No. 1150

**PERFORMANCE MEASURES  
 FOR THE  
 BOARD OF DIRECTORS DEPARTMENT**

**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 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	\$ 78,076	\$ 81,128	\$ 83,257	\$ 50,000	\$ 39,937	\$ 50,000
7120 Office supplies	1,475	2,001	2,309	2,750	1,300	2,750
7140 Training expenses	4,203	8,850	14,810	10,000	1,660	15,025
7145 Travel expenses	74,256	37,160	40,946	34,500	21,684	40,000
7299 Other materials & supplies	582	302	370	500	574	500
7315 Food, meals, ice, water	10,326	6,696	7,287	8,400	4,015	9,000
7320 Official functions	-	5,775	2,500	2,700	1,323	2,700
7601 Legal Fees	105,413	111,354	157,426	300,000	121,774	300,000
7801 Communication equipment	-	10,851	-	-	-	-
7805 Computer equipment	-	-	-	-	730	-
7806 Software licenses - new	25	-	-	-	-	-
<b><i>O&amp;M NON-PERSONNEL TOTAL</i></b>	<b>274,356</b>	<b>264,117</b>	<b>308,905</b>	<b>408,850</b>	<b>192,998</b>	<b>419,975</b>
	<b>\$ 274,356</b>	<b>\$ 264,117</b>	<b>\$ 308,905</b>	<b>\$ 408,850</b>	<b>\$ 192,998</b>	<b>\$ 419,975</b>

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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) 2  
 O&M Expenses - Non Personnel \$62,050

**OUTPUT MEASURES**

Company-wide Records Inventory (No. of Departments) 52  
 Requests Submitted Related to the Public Information Act 280  
 Number of Training Sessions Held Regarding Records Management 13  
 Number of Policy or Procedure Documents Given a First Review by Records Management 29

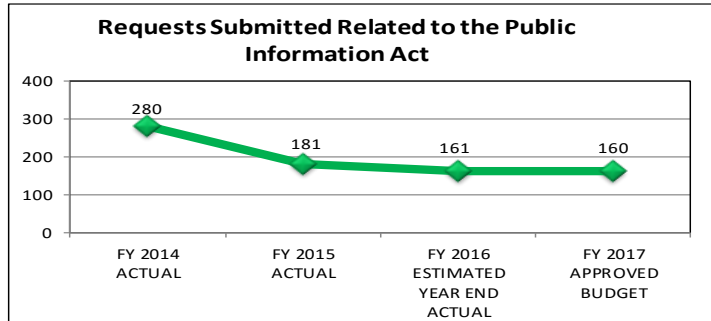
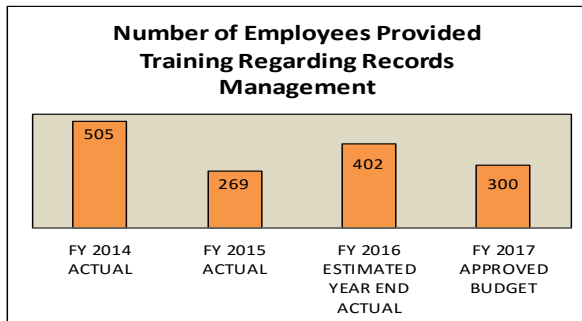
**OUTCOME MEASURES**

Number of departments that have completed the records inventory 0  
 Number of Public Information Requests requiring a Texas Attorney General Opinion 3  
 Number of Employees Provided Training Regarding Records Management 505  
 Number of Policy or Procedure Documents Reviewed by Records Management and Approved by the BPUB Board or Executive Management 5

**EFFICIENCY MEASURES**

Average time to respond to a public information request (within the law - 10 days) 6 days  
 Maintaining records management program Yes  
 Maintaining employees trained on records Yes  
 Maintaining policies and procedures program Yes

	FY 2014 ACTUAL	FY 2015 ACTUAL	FY 2016 ESTIMATED YEAR END ACTUAL	FY 2017 APPROVED BUDGET
Employees (FTE's)	2	2	2	2
O&M Expenses - Non Personnel	\$62,050	\$26,619	\$55,808	\$100,940
Company-wide Records Inventory (No. of Departments)	52	61	60	60
Requests Submitted Related to the Public Information Act	280	181	161	160
Number of Training Sessions Held Regarding Records Management	13	14	17	15
Number of Policy or Procedure Documents Given a First Review by Records Management	29	30	22	20
Number of departments that have completed the records inventory	0	4	2	3
Number of Public Information Requests requiring a Texas Attorney General Opinion	3	3	10	5
Number of Employees Provided Training Regarding Records Management	505	269	402	300
Number of Policy or Procedure Documents Reviewed by Records Management and Approved by the BPUB Board or Executive Management	5	8	19	10
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 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 55,661	\$ 61,031	\$ 64,039	\$ 63,794	\$ 64,177	\$ 63,794
6110 Clerical staff	37,318	37,434	37,264	36,982	38,425	36,982
6130 Overtime	304	524	342	427	1,198	427
6201 T.M.R.S.	13,612	14,112	13,834	12,668	17,292	17,827
6205 F.I.C.A.	5,581	5,822	5,930	6,248	6,073	6,248
6210 Medicare	1,305	1,362	1,387	1,461	1,420	1,461
6214 Dental Insurance	564	548	546	605	536	605
6215 Hospitalization insurance	15,009	16,354	16,643	18,399	18,210	21,159
6220 Life Insurance	129	134	138	826	139	108
6221 Long Term Disability Insurance	245	258	266	353	267	202
6225 Workers Compensation	2,563	2,475	2,541	2,519	2,603	2,519
6230 Vacation leave	1,493	(1,286)	518	1,741	1,858	1,264
6235 Sick leave	726	3,769	178	1,913	1,013	1,390
6260 Vacancy Savings	-	-	-	(7,193)	-	(7,759)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>134,508</u>	<u>142,537</u>	<u>143,626</u>	<u>140,744</u>	<u>153,213</u>	<u>146,227</u>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	123	-	200	73	200
7110 Dues & memberships	461	539	708	600	390	600
7120 Office supplies	1,813	894	1,977	2,000	1,006	2,000
7130 Postage/shipping charges	57	90	96	200	-	200
7135 Telephone expenses	226	-	-	500	-	710
7140 Training expenses	1,299	620	60	1,500	1,434	3,000
7145 Travel expenses	112	2,046	964	3,000	2,730	9,700
7225 Safety supplies	221	(37)	130	200	-	200
7299 Other materials & supplies	1,461	798	276	1,000	473	1,000
7315 Food, meals, ice, water	171	153	155	200	1,196	2,000
7325 Rental of equip/storage/land	13,086	15,876	14,986	18,000	17,625	18,000
7415 Fuels & lubricants	1,756	618	377	600	192	1,000
7601 Legal Fees	17,093	30,602	2,934	10,000	21,812	20,000
7699 Other services	35,422	9,679	3,330	29,000	8,878	29,000
7805 Computer equipment	-	-	-	1,500	-	6,330
7806 Software licenses - new	-	-	624	1,260	-	1,900
7820 Office furniture & equipment	-	49	-	750	-	5,100
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>73,178</u>	<u>62,050</u>	<u>26,619</u>	<u>70,510</u>	<u>55,808</u>	<u>100,940</u>
	<u>\$ 207,686</u>	<u>\$ 204,587</u>	<u>\$ 170,245</u>	<u>\$ 211,254</u>	<u>\$ 209,021</u>	<u>\$ 247,167</u>



**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 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**

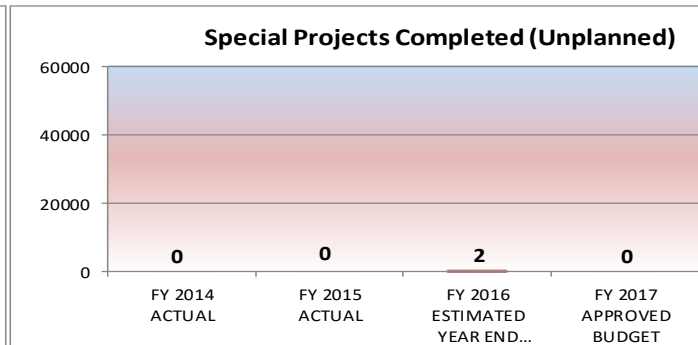
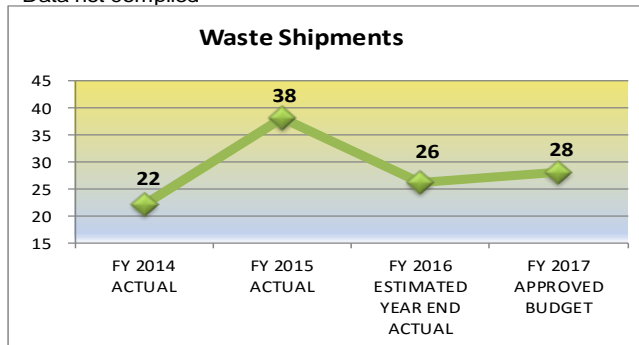
Timely Env. Report Submittals  
No. of State & Federal Violations (Issued/Resolved)  
Pounds Recycled

**EFFICIENCY MEASURES**

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

	FY 2014 ACTUAL	FY 2015 ACTUAL	FY 2016 ESTIMATED YEAR END ACTUAL	FY 2017 APPROVED BUDGET
Employees (FTE's)	4	4	4	5
O&M Expenses	\$ 881,209	\$ 1,046,889	\$ 997,851	\$ 1,118,993
Environmental Reports Produced	107	107	107	107
Env Compliance Audits Performed	12	12	12	12
QA Compliance Audits Performed	2	2	1	1
EPA/TCEQ PT (Studies) Performed	5	5	5	5
Waste Shipments	22	38	26	28
Timely Env. Report Submittals	100%	100%	100%	100%
No. of State & Federal Violations (Issued/Resolved)	2/2	3/3	1/1	-
Pounds Recycled	474,000	472,257	460,263	468,840
EPA & TCEQ Fines Levied	\$ 46,151	\$ 1,600	\$ -	\$ -
Special Projects Completed (Unplanned)	-	-	2	-
% Passing - QC Proficiency Tests	100%	98%	98%	100%

\* Data not compiled



## DEPARTMENT 1410 - ENVIRONMENTAL SERVICES

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 133,096	\$ 111,760	\$ 114,292	\$ 120,016	\$ 120,939	\$ 120,016
6105 Administrative Staff	-	52,160	104,554	106,392	105,651	155,314
6110 Clerical staff	35,658	37,836	38,444	38,106	39,000	38,106
6130 Overtime	35	365	406	687	804	687
6201 T.M.R.S.	24,606	28,816	35,061	33,249	45,880	55,447
6205 F.I.C.A.	10,342	12,328	15,379	16,400	15,454	19,433
6210 Medicare	2,469	2,902	3,701	3,835	3,794	4,545
6214 Dental Insurance	697	805	1,074	1,210	1,088	1,512
6215 Hospitalization insurance	20,944	25,583	30,586	34,441	38,919	56,462
6220 Life Insurance	220	267	348	2,169	352	325
6221 Long Term Disability Insurance	438	532	691	926	699	627
6225 Workers Compensation	4,968	5,429	6,827	6,613	6,905	7,836
6230 Vacation leave	3,565	2,154	(837)	4,397	1,822	3,152
6235 Sick leave	8,689	7,797	4,679	4,833	32,193	3,465
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	-	-	-	(18,168)	-	(18,928)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>254,907</u>	<u>297,915</u>	<u>364,383</u>	<u>364,286</u>	<u>422,681</u>	<u>457,178</u>
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising	1,121	2,826	6,784	2,000	-	1,500
7105 Books & periodicals	-	600	33	300	-	200
7110 Dues & memberships	1,385	1,168	1,807	1,600	1,859	1,500
7120 Office supplies	1,192	806	895	1,000	1,534	1,000
7130 Postage/shipping charges	983	2,176	2,578	1,500	1,643	1,500
7135 Telephone expenses	128	-	-	-	-	-
7140 Training expenses	3,719	5,416	4,242	4,535	1,840	3,520
7145 Travel expenses	6,479	6,530	8,173	10,000	10,294	11,595
7147 Mileage Reimbursement (InTownExp)	-	-	-	200	-	100
7293 Chemicals - other	8,094	20,944	22,226	23,000	16,871	23,000
7299 Other materials & supplies	3,677	595	1,925	2,500	1,862	2,500
7310 Federal, state, & local fees	259,929	349,857	344,612	401,000	376,771	427,000
7315 Food, meals, ice, water	930	1,528	1,545	500	907	500
7325 Rental of equip/storage/land	11,049	10,917	9,588	12,000	9,001	12,000
7335 Wearing apparel & dry goods	-	-	-	-	333	-
7415 Fuels & lubricants	5,034	3,686	2,333	2,000	1,545	1,000
7599 Maintenance / other	-	-	9,092	-	-	-
7601 Legal Fees	4,178	16,844	3,065	4,000	4,835	5,500
7620 Environmental consulting fees	2,515	4,875	64,719	25,000	4,311	15,000
7699 Other services	125,782	154,427	181,463	150,000	135,671	150,000
7805 Computer equipment	-	-	-	-	3,840	-
7810 Laboratory equipment	-	-	17,300	-	-	-
7820 Office furniture & equipment	-	99	125	2,200	2,052	4,200
7899 Other minor tools & equipment	-	-	-	275	-	200
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>436,195</u>	<u>583,294</u>	<u>682,506</u>	<u>643,610</u>	<u>575,170</u>	<u>661,815</u>
	<b>\$ 691,102</b>	<b>\$ 881,209</b>	<b>\$ 1,046,889</b>	<b>\$ 1,007,896</b>	<b>\$ 997,851</b>	<b>\$ 1,118,993</b>



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

**PERFORMANCE MEASURES  
FOR THE  
ENVIRONMENTAL COMPLIANCE**

**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  
Electrical Equipment Units Recycled  
No. of Reportable Emission Events

**OUTCOME MEASURES**

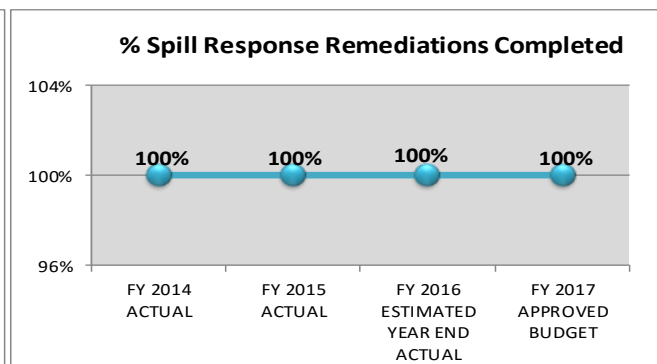
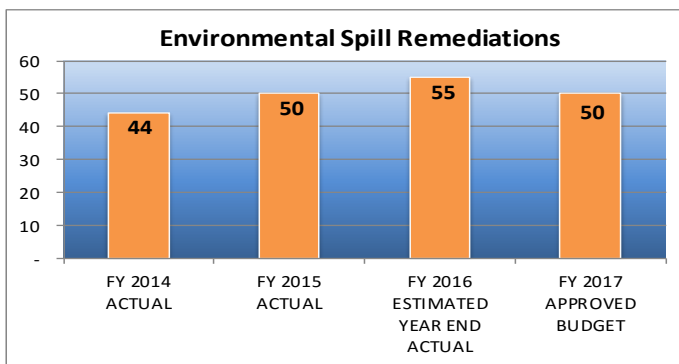
Compliance Inspection Corrective Actions  
% Compliance Trainings Completed  
% Spill Response Remediations Completed  
Unit 9 CEMS % Availability  
Unit 10 CEMS % Availability

**EFFICIENCY MEASURES**

Recycled - Cost Recovered  
EPA & TCEQ Fines Levied

	FY 2014 ACTUAL	FY 2015 ACTUAL	FY 2016 ESTIMATED YEAR END ACTUAL	FY 2017 APPROVED BUDGET
Employees (FTE's)	6	6	6	6
O&M Expenses	\$ 875,292	\$ 878,169	\$ 940,012	\$ 924,442
No. of Compliance Inspections	343	348	345	345
Env. Trainings Offered	17	6	6	6
Environmental Spill Responses	52	50	55	50
Environmental Spill Remediations	44	50	55	50
Electrical Equipment Units Recycled	396	473	450	450
No. of Reportable Emission Events	7	4	9	-
Compliance Inspection Corrective Actions	4	3	1	-
% 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%
Recycled - Cost Recovered	\$ 88,682	\$ 56,595	\$ 17,367	\$ 54,215
EPA & TCEQ Fines Levied	\$ 46,151	\$ 1,600	\$ -	\$ -

\* Data not compiled



## DEPARTMENT 1420 – ENVIRONMENTAL COMPLIANCE

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 150,099	\$ 151,619	\$ 120,486	\$ 78,790	\$ 79,635	\$ 78,790
6105 Administrative Staff	159,614	180,211	158,777	207,438	193,377	197,829
6115 Operational staff	65,966	52,826	105,356	99,320	93,829	87,963
6130 Overtime	1,726	2,311	3,066	4,056	3,978	5,517
6201 T.M.R.S.	55,072	55,177	52,874	48,463	61,796	64,495
6205 F.I.C.A.	22,786	23,261	23,358	23,904	22,310	22,604
6210 Medicare	5,329	5,440	5,463	5,590	5,218	5,286
6214 Dental Insurance	1,690	1,649	1,626	1,815	1,535	1,814
6215 Hospitalization insurance	46,166	47,750	47,536	52,841	50,345	58,056
6220 Life Insurance	502	511	517	3,161	487	376
6221 Long Term Disability Insurance	990	1,010	1,024	1,349	962	729
6225 Workers Compensation	10,376	9,674	9,710	9,639	9,294	9,115
6230 Vacation leave	7,857	(4,796)	(864)	6,441	2,866	4,549
6235 Sick leave	942	3,351	(915)	7,080	(150)	5,000
6260 Vacancy Savings	-	-	-	(26,616)	-	(27,133)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>529,114</u>	<u>529,994</u>	<u>528,014</u>	<u>523,273</u>	<u>525,482</u>	<u>514,992</u>
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising	-	2,544	7,217	5,000	-	5,000
7105 Books & periodicals	340	-	175	250	309	250
7110 Dues & memberships	1,516	772	570	750	1,022	750
7120 Office supplies	1,503	1,601	2,225	2,200	1,276	2,200
7130 Postage/shipping charges	1,416	1,105	1,541	1,500	1,237	1,500
7135 Telephone expenses	100	-	-	-	30	-
7140 Training expenses	9,906	5,453	9,496	7,500	5,879	8,000
7145 Travel expenses	11,591	8,792	9,602	9,000	11,898	12,000
7147 Mileage Reimbursement (InTownExp)	10	-	-	100	38	100
7293 Chemicals - other	-	-	232	750	132	750
7299 Other materials & supplies	18,142	37,674	25,634	17,000	19,798	25,000
7310 Federal, state, & local fees	19,786	38,688	26,829	10,000	17,979	20,000
7315 Food, meals, ice, water	474	947	731	750	695	750
7325 Rental of equip/storage/land	3,375	242	3,232	5,000	10,055	6,000
7335 Wearing apparel & dry goods	1,051	1,549	2,382	1,500	2,442	2,000
7415 Fuels & lubricants	2,092	1,066	915	750	1,331	1,000
7599 Maintenance / other	15,419	-	12,671	7,500	14,676	10,000
7620 Environmental consulting fees	18,353	51,656	64,588	60,500	87,498	90,000
7635 Software maintenance service fees	17,000	17,000	17,000	17,000	17,000	20,000
7645 Maintenance services	34,251	49,281	831	5,000	14,779	20,000
7699 Other services	139,376	124,630	157,114	115,000	204,487	180,000
7820 Office furniture & equipment	999	176	1,728	1,500	1,081	2,900
7835 Tools, shop and garage equipment	-	-	3,396	250	-	250
7899 Other minor tools & equipment	20,608	2,123	2,046	1,000	888	1,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>317,306</u>	<u>345,299</u>	<u>350,155</u>	<u>269,800</u>	<u>414,530</u>	<u>409,450</u>
	<b>\$ 846,421</b>	<b>\$ 875,292</b>	<b>\$ 878,169</b>	<b>\$ 793,073</b>	<b>\$ 940,012</b>	<b>\$ 924,442</b>



Department Responsibility: Lee Roy 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

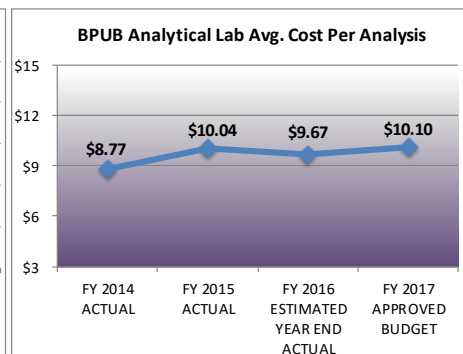
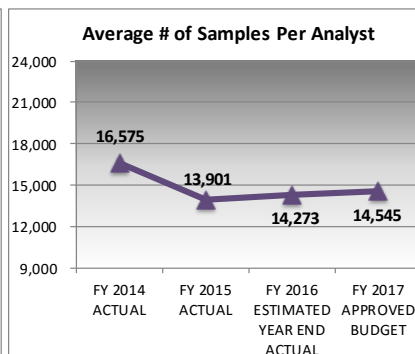
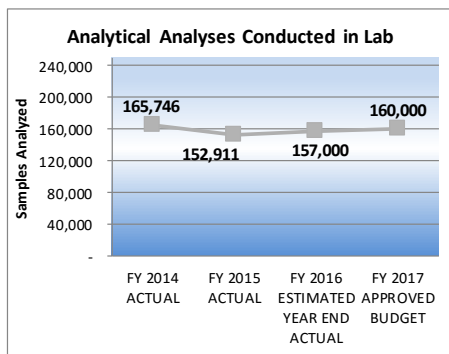
**OUTCOME MEASURES**

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 2014 ACTUAL	FY 2015 ACTUAL	FY 2016 ESTIMATED YEAR END ACTUAL	FY 2017 APPROVED BUDGET
	8	8	8	8
	\$ 950,377	\$ 973,325	\$ 916,913	\$ 1,004,585
	\$ 503,995	\$ 561,750	\$ 601,087	\$ 610,970
	\$ 1,454,372	\$ 1,535,075	\$ 1,518,000	\$ 1,615,555
	12	12	12	12
	78	84	90	136
	24	24	24	24
	28	49	49	49
	4,587	4,587	4,587	4,587
	165,746	152,911	157,000	160,000
	YES	YES	YES	
	YES	YES	YES	
	99%	99%	99%	100%
	YES/YES/YES	YES/YES/YES	YES/YES/YES	YES/YES/YES
	YES/YES	YES/YES	YES/YES	YES/YES
	\$ 8.77	\$ 10.04	\$ 9.67	\$ 10.10
	16,575	13,901	14,273	14,545



## DEPARTMENT 1422 - ANALYTICAL LABORATORY

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 120,150	\$ 126,589	\$ 128,663	\$ 128,170	\$ 128,688	\$ 128,170
6105 Administrative Staff	24,634	81,208	92,728	131,664	87,749	136,739
6110 Clerical staff	33,352	33,269	33,616	33,197	33,600	33,197
6115 Operational staff	379,084	380,776	391,754	379,184	353,712	370,635
6130 Overtime	14,461	41,111	34,916	32,063	37,761	38,021
6201 T.M.R.S.	86,283	94,515	92,776	84,499	106,844	118,300
6205 F.I.C.A.	35,347	39,631	40,191	41,677	38,216	41,462
6210 Medicare	8,267	9,269	9,400	9,747	8,938	9,697
6214 Dental Insurance	3,567	3,932	4,092	4,840	3,625	4,838
6215 Hospitalization insurance	93,814	101,015	113,182	133,051	106,900	137,750
6220 Life Insurance	764	844	890	5,512	821	731
6221 Long Term Disability Insurance	1,459	1,605	1,693	2,353	1,568	1,338
6225 Workers Compensation	16,549	16,653	17,132	16,805	16,165	16,719
6230 Vacation leave	8,987	6,973	1,310	11,745	(1,304)	8,145
6235 Sick leave	2,795	9,843	7,379	12,910	(6,369)	8,953
6240 Educational assistance	1,825	3,144	3,603	-	-	-
6260 Vacancy Savings	-	-	-	(48,535)	-	(50,110)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>831,339</u>	<u>950,377</u>	<u>973,325</u>	<u>978,884</u>	<u>916,913</u>	<u>1,004,585</u>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	556	-	-	350	-	1,200
7110 Dues & memberships	1,885	1,700	1,632	1,500	3,416	1,500
7120 Office supplies	6,555	3,798	4,295	4,000	2,516	4,000
7130 Postage/shipping charges	6,447	4,677	8,892	4,700	7,590	4,700
7135 Telephone expenses	800	-	-	-	-	-
7140 Training expenses	4,162	5,324	5,080	5,870	5,225	10,828
7145 Travel expenses	5,091	7,472	6,210	5,000	6,908	16,688
7180 Utilities - departmental	37,186	47,565	52,869	45,000	51,407	45,000
7205 Lamps, globes & flares	-	-	-	-	1,738	-
7215 Laundry & janitorial supplies	709	-	34	800	34	800
7225 Safety supplies	303	495	396	600	135	1,100
7293 Chemicals - other	120,945	76,932	92,365	78,000	78,097	90,000
7299 Other materials & supplies	38,113	34,901	43,384	41,900	26,527	41,900
7310 Federal, state, & local fees	3,050	3,050	3,050	3,525	3,050	3,525
7315 Food, meals, ice, water	726	1,114	923	700	1,008	1,000
7325 Rental of equip/storage/land	19,605	22,916	20,733	20,545	22,662	20,230
7335 Wearing apparel & dry goods	3,707	3,531	6,654	4,100	3,061	4,800
7415 Fuels & lubricants	6,385	5,479	3,989	4,000	3,877	5,500
7501 Maint. of buildings & structures	5,093	3,486	-	30,000	34,741	35,000
7645 Maintenance services	55,796	140,695	130,694	100,000	155,788	155,100
7699 Other services	106,825	94,079	130,021	95,000	165,137	131,010
7805 Computer equipment	115	-	-	-	-	-
7806 Software licenses - new	-	7,274	2,021	5,000	2,528	650
7810 Laboratory equipment	11,646	37,613	47,882	22,000	25,644	31,939
7820 Office furniture & equipment	-	907	266	-	-	-
7899 Other minor tools & equipment	-	986	361	2,500	-	4,500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>435,700</u>	<u>503,995</u>	<u>561,750</u>	<u>475,090</u>	<u>601,087</u>	<u>610,970</u>
	<b>\$ 1,267,040</b>	<b>\$ 1,454,372</b>	<b>\$ 1,535,075</b>	<b>\$ 1,453,974</b>	<b>\$ 1,518,000</b>	<b>\$ 1,615,555</b>



Department Responsibility: Vicente Guerrero III  
 Title: Pretreatment 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

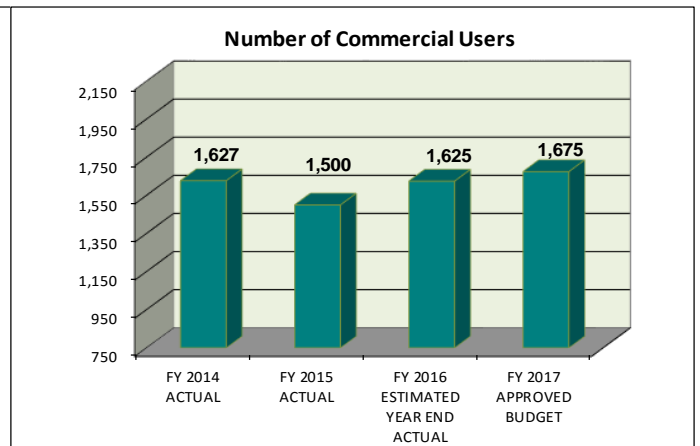
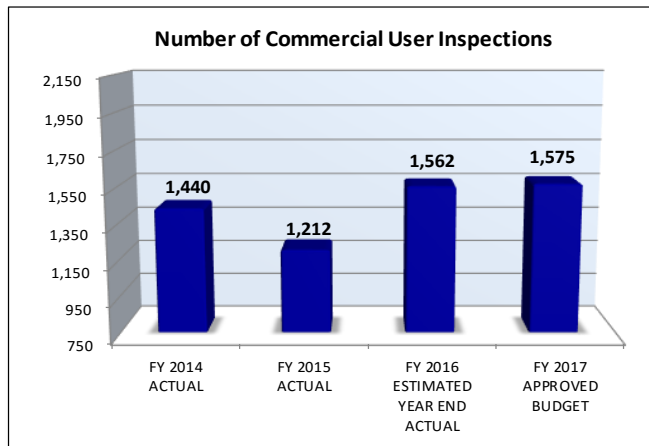
**OUTCOME MEASURES**

Number of Compliance Inspections for SIU's  
Number of Compliance Sampling Events for SIU's  
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 2014 ACTUAL	FY 2015 ACTUAL	FY 2016 ESTIMATED YEAR END ACTUAL	FY 2017 APPROVED BUDGET
Employees (FTE's)	10	10	12	11
O & M Expenses	\$ 672,845	\$ 778,529	\$ 921,695	\$ 806,763
Operational Reports (monthly)	12	12	12	12
Number of Significant Ind. Users (SIU)	10	10	10	10
Number of Users Surcharge	6	4	5	5
Number of Commercial Users	1,627	1,500	1,625	1,675
Pretreatment Annual Report	1	1	1	1
Number of Compliance Inspections for SIU's	10	10	10	10
Number of Compliance Sampling Events for SIU's	20	20	20	20
Number of Permits Issued	10	10	10	10
Number of Surcharge Sampling Events	42	24	36	36
Number of Commercial User Inspections	1,440	1,212	1,562	1,575
EPA & TCEQ Audits & Inspections Violations	0/1/4	0/1/0	0/0/0	0/0/0
Cost Recovery	\$ 50,467	\$ 40,013	\$ 42,389	\$ 44,290
Surcharges	\$ 133,668	\$ 82,632	\$ 88,943	\$ 96,355





**DEPARTMENT 1430 – PRE-TREATMENT**

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 74,382	\$ 78,624	\$ 79,991	\$ 79,685	\$ 80,099	\$ 79,685
6105 Administrative Staff	122,083	156,060	211,224	200,907	243,060	185,157
6110 Clerical staff	26,696	27,877	28,501	28,205	28,582	28,205
6115 Operational staff	104,638	126,737	153,100	143,811	187,739	172,444
6130 Overtime	795	3,887	8,077	5,277	6,727	9,924
6201 T.M.R.S.	47,937	56,570	65,413	56,893	90,934	82,345
6205 F.I.C.A.	19,732	23,757	28,538	28,062	32,352	28,860
6210 Medicare	4,615	5,556	6,674	6,563	7,566	6,750
6214 Dental Insurance	2,303	2,441	2,837	3,025	3,160	3,084
6215 Hospitalization insurance	55,010	60,035	73,424	78,144	93,484	90,795
6220 Life Insurance	465	537	656	3,711	754	507
6221 Long Term Disability Insurance	867	1,014	1,248	1,584	1,435	931
6225 Workers Compensation	8,999	9,925	12,023	11,315	13,801	11,637
6230 Vacation leave	4,183	4,153	5,863	7,767	(1,200)	6,220
6235 Sick leave	13,003	6,518	3,621	8,537	(5,678)	6,837
6240 Educational assistance	-	-	-	-	2,323	-
6260 Vacancy Savings	-	-	-	(32,095)	-	(38,120)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>485,705</u>	<u>563,692</u>	<u>681,189</u>	<u>631,392</u>	<u>785,138</u>	<u>675,263</u>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	667	522	424	500	202	500
7110 Dues & memberships	450	637	1,027	1,000	861	1,500
7120 Office supplies	2,189	2,561	3,000	2,000	4,958	5,000
7130 Postage/shipping charges	212	207	328	500	81	500
7140 Training expenses	1,875	4,550	6,991	5,000	2,946	5,000
7145 Travel expenses	5,361	7,599	5,846	4,200	5,905	6,000
7147 Mileage Reimbursement (InTownExp)	-	-	10	250	-	500
7215 Laundry & janitorial supplies	236	415	299	450	231	1,000
7225 Safety supplies	52	826	673	600	934	1,000
7293 Chemicals - other	635	488	888	600	628	1,500
7299 Other materials & supplies	6,232	7,052	8,740	6,000	6,961	6,000
7315 Food, meals, ice, water	544	579	1,039	1,000	593	1,500
7325 Rental of equip/storage/land	4,499	5,088	4,785	4,000	6,218	6,000
7335 Wearing apparel & dry goods	2,518	2,027	2,700	1,700	4,735	5,000
7415 Fuels & lubricants	7,617	6,535	3,793	4,000	3,641	4,000
7501 Maint. of buildings & structures	38,149	12,286	13,350	2,500	51,141	10,000
7635 Software maintenance service fees	1,398	1,719	2,660	10,000	4,350	13,500
7645 Maintenance services	6,171	6,327	5,320	6,000	7,942	10,500
7699 Other services	33,773	40,461	35,232	35,000	34,230	50,000
7820 Office furniture & equipment	1,238	921	235	2,000	-	2,500
7899 Other minor tools & equipment	619	8,353	-	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>114,435</u>	<u>109,153</u>	<u>97,340</u>	<u>87,300</u>	<u>136,557</u>	<u>131,500</u>
	<b>\$ 600,140</b>	<b>\$ 672,845</b>	<b>\$ 778,529</b>	<b>\$ 718,692</b>	<b>\$ 921,695</b>	<b>\$ 806,763</b>



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**

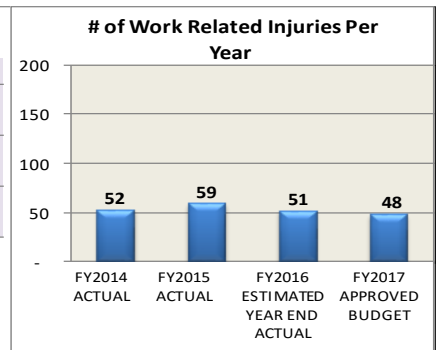
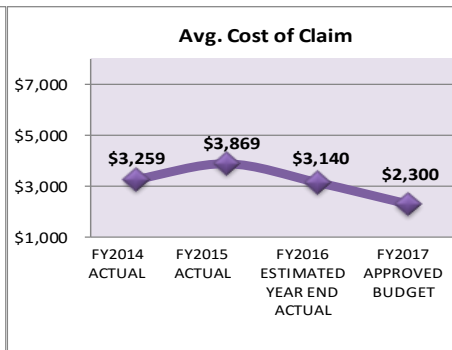
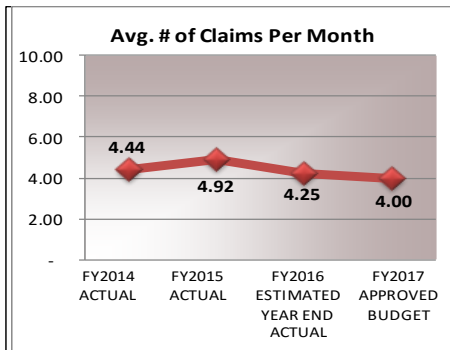
Maintain Monthly Count of Incidents by Department  
 Maintain Monthly Tally of Cost Per Injury  
 Track % of Timeliness of Reporting  
 Number of Employees Provided Training  
 Total Number of Training Hours

**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 2014 ACTUAL	FY 2015 ACTUAL	FY 2016 ESTIMATED YEAR END ACTUAL	FY 2017 APPROVED BUDGET
Employees (FTE)	6	6	6	6
O&M Expenses	\$ 1,012,000	\$ 1,019,317	\$ 1,063,170	\$ 1,240,437
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	180	250	300	630
Number of Training Sessions Held	138	140	110*	140
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	95%	98%	90%	100%
Number of Employees Provided Training	1,214	1,755	1,200	1,500
Total Number of Training Hours	5,566	5,600	3,500	4,500
Avg. # of Claims Per Month	4.44	4.92	4.25	4.00
Avg. Cost of Claim	\$ 3,259	\$ 3,869	\$ 3,140	\$ 2,300
# of Work Related Injuries Per Year	52	59	51	48
Lost Time Accident/Incident Rate	8.85	10.94	9.25	8.95
Cost of Training Hour	10.98	10.50	10.60	10.60
Cost per Employee Attendee	32.75	31.33	32.34	32.34

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



## DEPARTMENT 1440 – HEALTH & SAFETY

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 87,133	\$ 83,921	\$ 93,000	\$ 92,643	\$ 92,611	\$ 92,643
6105 Administrative Staff	145,210	143,572	162,154	161,533	160,491	209,893
6110 Clerical staff	47,393	59,598	58,059	59,925	27,035	25,085
6130 Overtime	128	163	651	864	330	865
6201 T.M.R.S.	40,825	40,967	42,723	39,482	48,259	57,956
6205 F.I.C.A.	16,767	17,201	18,642	19,474	17,405	20,313
6210 Medicare	3,921	4,023	4,360	4,554	4,070	4,751
6214 Dental Insurance	1,556	1,580	1,617	1,815	1,350	1,814
6215 Hospitalization insurance	41,860	40,888	44,104	50,483	39,750	55,681
6220 Life Insurance	384	392	428	2,576	371	347
6221 Long Term Disability Insurance	740	752	829	1,099	725	655
6225 Workers Compensation	7,696	7,223	7,885	7,853	7,320	8,191
6230 Vacation leave	7,655	1,897	1,226	5,341	1,689	-
6235 Sick leave	(4,064)	(3,489)	(1,826)	5,871	7,663	4,357
6260 Vacancy Savings	-	-	-	(22,072)	-	(23,912)
<i>O&amp;M PERSONNEL TOTAL</i>	397,203	398,687	433,851	431,443	409,069	458,637
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	8,665	6,123	888	500	325	5,000
7110 Dues & memberships	1,239	7,830	5,184	1,650	1,350	3,250
7115 Educational material	10,211	60	3,445	7,000	6,785	8,000
7120 Office supplies	3,559	3,832	4,035	4,000	4,733	5,000
7125 Photo equipment/supplies	-	-	255	150	-	100
7130 Postage/shipping charges	133	4	127	150	172	500
7135 Telephone expenses	2,037	1,215	1,751	4,000	1,582	3,000
7140 Training expenses	2,875	3,670	1,155	1,200	3,045	4,000
7145 Travel expenses	5,646	6,482	1,399	3,000	8,463	5,000
7220 Medical supplies	287	664	492	1,000	252	1,000
7225 Safety supplies	5,750	2,738	7,032	15,000	13,941	15,000
7299 Other materials & supplies	10,949	7,881	20,992	10,000	17,876	10,000
7315 Food, meals, ice, water	2,417	2,202	1,746	2,000	2,214	4,000
7322 Recognition Program	24,648	27,896	28,032	30,000	27,815	30,000
7325 Rental of equip/storage/land	-	-	1,056	2,100	1,754	3,100
7415 Fuels & lubricants	4,327	4,294	2,449	4,000	2,190	4,000
7635 Software maintenance service fees	-	19,154	24,841	38,500	25,082	25,000
7645 Maintenance services	16,310	16,428	18,535	23,800	26,134	28,800
7650 Security services	18,277	327,928	324,692	330,000	353,547	500,000
7699 Other services	180,050	153,619	124,109	100,000	149,312	100,000
7801 Communication equipment	-	-	-	-	2,920	-
7805 Computer equipment	-	-	170	4,000	1,312	7,300
7806 Software licenses - new	-	-	312	2,000	1,021	2,000
7820 Office furniture & equipment	3,251	831	1,071	2,000	1,180	2,750
7899 Other minor tools & equipment	59,279	20,462	11,697	5,000	1,095	15,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	359,910	613,313	585,466	591,050	654,101	781,800
	\$ 757,114	\$ 1,012,000	\$ 1,019,317	\$ 1,022,493	\$ 1,063,170	\$ 1,240,437



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 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ -	\$ 52,233	\$ 140,543	\$ 140,005	\$ 20,116	\$ -
6201 T.M.R.S.	-	7,407	19,129	17,599	2,702	-
6205 F.I.C.A.	-	3,398	7,379	8,680	53	-
6210 Medicare	-	802	2,155	2,030	295	-
6214 Dental Insurance	-	99	273	303	42	-
6215 Hospitalization insurance	-	3,391	9,262	10,233	1,413	-
6220 Life Insurance	-	59	178	1,148	30	-
6221 Long Term Disability Insurance	-	124	372	490	62	-
6225 Workers Compensation	-	1,394	3,743	3,500	512	-
6230 Vacation leave	-	5,385	538	2,226	808	-
6235 Sick leave	-	48,463	-	2,447	-	-
6242 Auto Benefits	-	2,885	7,500	7,500	288	-
6243 Telephone Benefits	-	646	1,680	1,680	65	-
6260 Vacancy Savings	-	-	-	(9,199)	-	-
<i>O&amp;M PERSONNEL TOTAL</i>	-	126,285	192,753	188,641	26,385	-
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	71	-	-	-
7110 Dues & memberships	-	240	1,100	900	-	500
7120 Office supplies	-	144	233	500	93	2,500
7130 Postage/shipping charges	-	-	-	250	-	750
7140 Training expenses	-	-	-	1,170	303	2,500
7145 Travel expenses	-	-	84	3,755	683	7,000
7215 Laundry & janitorial supplies	-	-	-	-	-	500
7225 Safety supplies	-	-	-	50	-	3,000
7299 Other materials & supplies	-	-	360	400	29	10,000
7315 Food, meals, ice, water	-	-	29	75	-	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 Data processing services	-	-	795	-	-	-
7699 Other services	-	-	-	60	-	3,000
7801 Communication equipment	-	320	-	-	-	-
7805 Computer equipment	-	-	80	200	-	2,000
7806 Software licenses - new	-	-	800	1,000	-	-
7820 Office furniture & equipment	-	-	-	-	-	2,000
7835 Tools, shop and garage equipment	-	-	-	-	-	3,000
7899 Other minor tools & equipment	-	61	-	-	-	15,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	-	765	3,553	8,360	1,108	195,250
	\$ -	\$ 127,050	\$ 196,306	\$ 197,001	\$ 27,493	\$ 195,250

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

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

**Department Function:**

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

**Department Goals/Objectives:**

The goal for the Substation & 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)  
 Necessary Employees  
 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

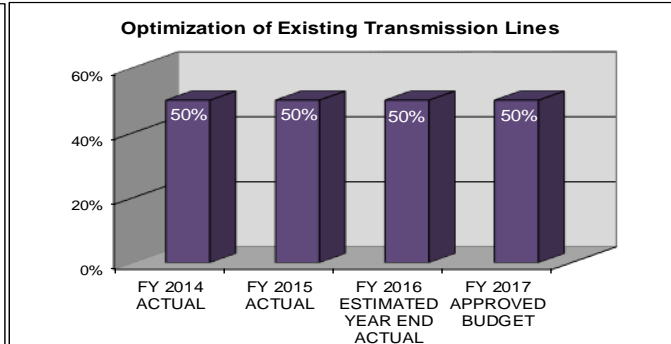
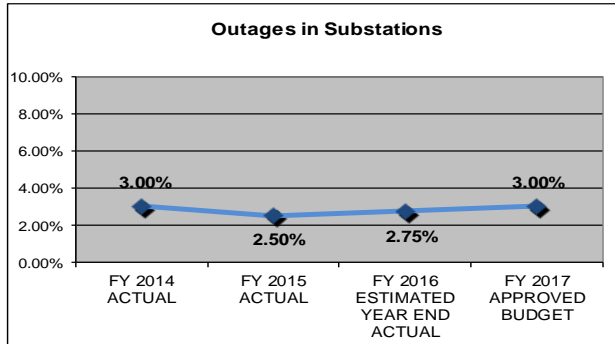
**OUTCOME MEASURES**

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

	FY 2014 ACTUAL	FY 2015 ACTUAL	FY 2016 ESTIMATED YEAR END ACTUAL	FY 2017 APPROVED BUDGET
Employees (FTEs)	12	12	24	24
Necessary Employees	12	12	24	24
O&M Expenditures	\$ 1,026,105	\$ 1,076,642	\$ 1,631,298	\$ 1,825,305
No. of Substations	14	14	14	14
Total Power-Transformers Capacity (MVA)	644	672	672	672
Power Transformers, Test & Maintenance	6	6	7	8
138 KV Breakers, Test & Maintenance	10	14	9	10
12.5 KV Breakers, Test & Maintenance	16	31	30	30
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	3.00%	2.50%	2.75%	3.00%
Optimization of Existing Transmission Lines	50%	50%	50%	50%
NERC Audits Violations	0%	0%	0%	0%
Maintenance Reports	100%	100%	100%	100%



## DEPARTMENT 2120 – SUBSTATIONS & RELAYING

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 83,752	\$ 96,122	\$ 97,259	\$ 96,886	\$ 106,155	\$ 106,579
6110 Clerical staff	-	-	-	-	13,328	31,158
6115 Operational staff	321,585	407,328	467,610	459,826	645,507	810,123
6130 Overtime	8,760	9,467	20,468	21,047	40,585	28,895
6140 Severance Pay	-	-	-	-	17,313	-
6201 T.M.R.S.	62,526	73,100	79,667	69,979	140,529	167,677
6205 F.I.C.A.	25,728	30,832	35,163	34,516	49,804	75,687
6210 Medicare	6,017	7,211	8,224	8,072	11,648	13,744
6214 Dental Insurance	2,234	2,808	3,269	3,630	4,335	6,410
6215 Hospitalization insurance	61,690	73,373	84,967	94,186	129,148	189,207
6220 Life Insurance	543	672	766	4,565	1,018	1,033
6221 Long Term Disability Insurance	1,063	1,304	1,478	1,949	1,953	1,896
6225 Workers Compensation	11,677	12,840	14,650	13,918	20,425	23,697
6230 Vacation leave	20,561	977	5,078	9,529	28,462	11,178
6235 Sick leave	59,560	8,215	3,505	10,474	86,492	12,286
6260 Vacancy Savings	-	-	-	(39,376)	-	(68,916)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>665,697</u>	<u>724,250</u>	<u>822,105</u>	<u>789,202</u>	<u>1,296,702</u>	<u>1,410,655</u>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	290	226	196	100	-	250
7110 Dues & memberships	466	464	329	400	231	500
7120 Office supplies	1,977	3,326	1,119	1,000	2,878	3,000
7130 Postage/shipping charges	795	273	605	700	878	700
7140 Training expenses	1,605	2,155	1,295	7,980	11,258	10,700
7145 Travel expenses	4,463	1,997	5,126	7,800	3,784	13,100
7180 Utilities - departmental	84,574	110,599	126,482	100,000	135,429	110,000
7190 Utilities - CP&L & Mvec	626	792	-	500	-	-
7190 Utilities - CP&L & Mvec	-	-	770	-	798	500
7203 Sand, Caliche, Gravel, Concrete etc	-	-	-	-	7,141	10,000
7215 Laundry & janitorial supplies	192	239	422	500	150	600
7225 Safety supplies	551	4,078	4,668	4,500	1,369	3,500
7293 Chemicals - other	2,616	3,074	4,444	3,600	3,024	3,600
7299 Other materials & supplies	6,739	19,727	7,002	9,000	7,713	30,000
7315 Food, meals, ice, water	162	185	218	500	230	500
7325 Rental of equip/storage/land	214	4,236	2,845	33,000	6,422	43,200
7335 Wearing apparel & dry goods	2,267	7,115	10,570	7,500	19,501	8,000
7415 Fuels & lubricants	14,797	17,233	14,018	13,000	13,307	13,000
7501 Maint. of buildings & structures	-	5,378	1,623	3,000	2,187	10,000
7505 Maint. of communication equipment	308	5,153	1,563	2,000	5,492	3,000
7540 Maint. of line transformers	8,979	35,043	12,967	35,000	8,707	35,000
7555 Maint. of station equipment	3,322	11,026	17,072	31,000	41,608	35,000
7565 Maint. of street lighting & signals	-	314	-	-	-	-
7645 Maintenance services	128,184	39,437	8,243	24,500	21,549	30,000
7699 Other services	2,009	250	11,226	15,000	11,796	15,000
7805 Computer equipment	452	613	-	3,500	4,234	8,000
7806 Software licenses - new	-	3,650	-	-	-	-
7820 Office furniture & equipment	-	3,886	2,552	3,500	59	3,500
7835 Tools, shop and garage equipment	33	4,283	3,550	3,000	3,442	4,000
7899 Other minor tools & equipment	17,003	17,105	15,634	15,000	21,409	20,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>282,622</u>	<u>301,856</u>	<u>254,537</u>	<u>325,580</u>	<u>334,596</u>	<u>414,650</u>
	<b>\$ 948,319</b>	<b>\$ 1,026,105</b>	<b>\$ 1,076,642</b>	<b>\$ 1,114,782</b>	<b>\$ 1,631,298</b>	<b>\$ 1,825,305</b>



**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**

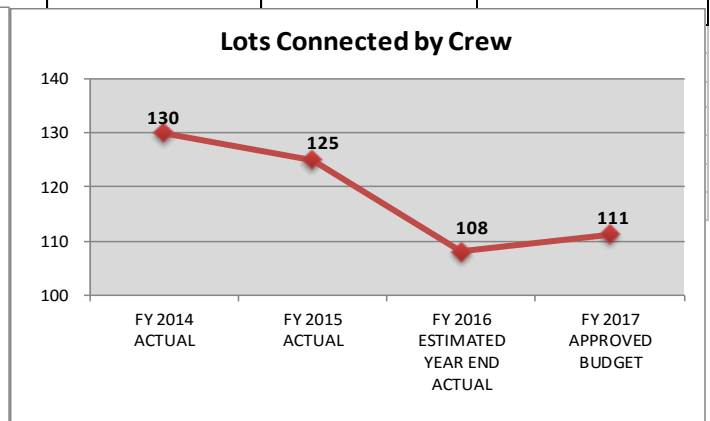
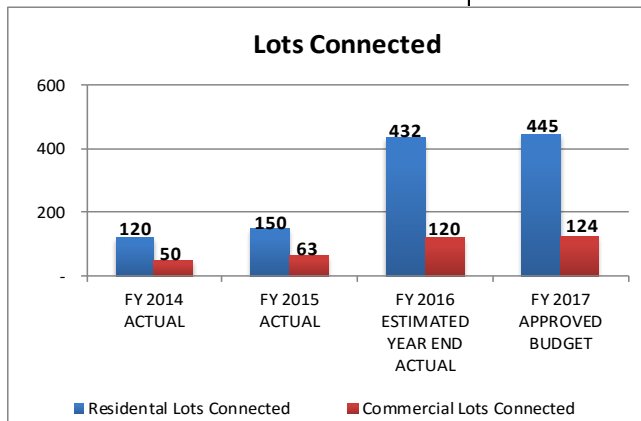
**Department Function:**

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.

	<b>FY 2014 ACTUAL</b>	<b>FY 2015 ACTUAL</b>	<b>FY 2016 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2017 APPROVED BUDGET</b>
<b>INPUT MEASURES</b>				
B PUB Employees	31	31	28	28
Outside Staff	-	-	-	-
O&M Expenses	\$ 1,215,946	\$ 1,240,409	\$1,203,108	\$ 1,409,852
<b>OUTPUT MEASURES</b>				
Poles Installed	502	400	102	105
Transformer Set	110	111	59	61
Miles of Line Installed	18	11	13	-
Miles of Line Washed	-	-	44	-
Secondary Pedestals	50	60	295	304
Poles Transfers Completed	204	31	10	10
<b>OUTCOME MEASURES</b>				
Residential Lots Connected	120	150	432	445
Commercial Lots Connected	50	63	120	124
<b>EFFICIENCY MEASURES</b>				
Lots Connected by Crew	130	125	108	111





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

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 36,403	\$ 38,022	\$ 38,350	\$ 76,398	\$ 88,879	\$ 90,002
6105 Administrative Staff	-	-	-	-	5,029	-
6110 Clerical staff	16,037	16,263	15,877	16,172	16,239	16,172
6115 Operational staff	696,685	533,567	571,978	619,349	421,186	560,901
6130 Overtime	40,733	41,678	38,971	51,020	43,579	30,894
6201 T.M.R.S.	116,865	89,655	90,665	89,491	98,219	118,006
6205 F.I.C.A.	47,828	36,965	39,007	44,139	34,766	41,359
6206 Suta	(160)	-	-	-	-	-
6210 Medicare	11,150	8,645	9,122	10,323	8,131	9,673
6214 Dental Insurance	4,890	3,584	3,749	5,264	3,175	4,808
6215 Hospitalization insurance	134,571	108,570	113,864	146,446	101,821	149,966
6220 Life Insurance	1,062	779	878	5,838	710	733
6221 Long Term Disability Insurance	2,010	1,484	1,680	2,492	1,357	1,334
6225 Workers Compensation	23,463	17,131	18,046	17,798	15,265	16,677
6230 Vacation leave	8,096	1,886	1,862	12,508	(794)	7,670
6235 Sick leave	1,073	(811)	(12,615)	13,748	(7,369)	8,431
6240 Educational assistance	2,014	1,750	-	-	-	-
6260 Vacancy Savings	-	-	-	(51,686)	-	(48,272)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>1,142,719</i>	<i>899,167</i>	<i>931,434</i>	<i>1,059,301</i>	<i>830,191</i>	<i>1,008,352</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	293	703	350	171	350
7110 Dues & memberships	384	274	447	700	1,202	1,500
7120 Office supplies	2,406	3,464	1,719	3,000	2,304	5,000
7130 Postage/shipping charges	226	1,396	263	1,000	710	1,500
7140 Training expenses	-	55	3,100	3,000	1,125	3,000
7145 Travel expenses	(396)	431	1,126	1,000	6,084	1,500
7180 Utilities - departmental	6,504	2,485	2,126	2,300	2,183	3,500
7201 Barricades & signs	-	215	-	500	94	3,200
7203 Sand, Caliche, Gravel, Concrete etc	1,232	-	1,096	1,000	830	1,500
7205 Lamps, globes & flares	2,227	2,453	4,866	3,500	3,834	7,000
7210 Landscaping/Trade a Tree Program	-	12	-	200	77	500
7215 Laundry & janitorial supplies	-	-	-	-	21	50
7225 Safety supplies	4,398	13,891	15,709	12,000	17,526	20,000
7299 Other materials & supplies	57,223	72,171	67,210	58,100	111,345	75,000
7310 Federal, state, & local fees	-	-	-	-	768	-
7315 Food, meals, ice, water	334	336	873	1,000	1,112	2,000
7325 Rental of equip/storage/land	51,095	16,743	19,330	25,000	4,675	30,000
7335 Wearing apparel & dry goods	9,158	20,752	36,306	20,000	41,146	35,000
7415 Fuels & lubricants	94,133	82,814	56,571	60,000	44,983	50,000
7501 Maint. of buildings & structures	-	-	-	-	833	1,000
7505 Maint. of communication equipment	879	-	-	-	-	-
7520 Maint. of minor equipment	1,796	-	-	2,000	8,641	13,000
7540 Maint. of line transformers	10,756	500	3,515	8,500	3,720	9,000
7550 Maint. of overhead lines	18,114	29,404	10,324	35,000	39,204	35,000
7555 Maint. of station equipment	-	-	-	-	26,723	30,000
7565 Maint. of street lighting & signals	45,780	2,703	5,030	5,000	2,685	6,000
7570 Maint. of underground lines	171,665	-	5,054	6,000	3,661	6,000
7599 Maintenance / other	-	311	193	-	-	-
7645 Maintenance services	-	-	-	-	926	700
7699 Other services	14,524	17,865	12,565	10,000	7,468	12,500
7801 Communication equipment	7,066	13,900	276	1,000	886	1,200
7805 Computer equipment	-	711	914	1,000	593	1,000
7820 Office furniture & equipment	927	2,423	1,661	2,500	2,695	2,500
7835 Tools, shop and garage equipment	11,865	9,863	42,583	14,000	6,802	18,000
7899 Other minor tools & equipment	21,633	21,313	15,414	11,000	27,890	25,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>533,929</i>	<i>316,779</i>	<i>308,975</i>	<i>288,650</i>	<i>372,917</i>	<i>401,500</i>
	<b>\$ 1,676,647</b>	<b>\$ 1,215,946</b>	<b>\$ 1,240,409</b>	<b>\$ 1,347,951</b>	<b>\$ 1,203,108</b>	<b>\$ 1,409,852</b>



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**

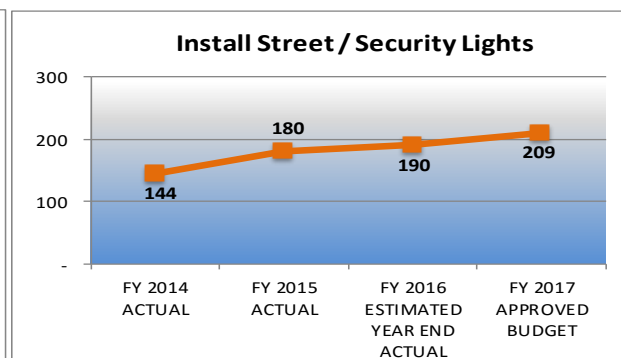
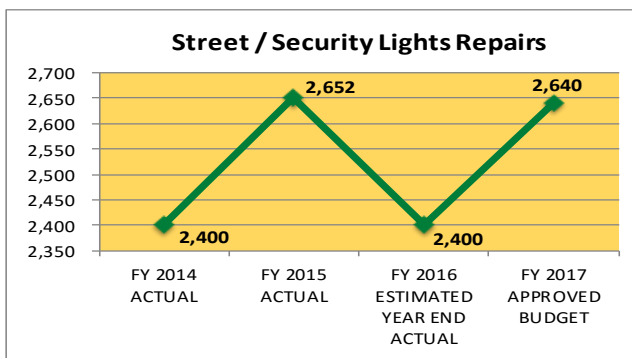
**Department Function:**

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 2014 ACTUAL	FY 2015 ACTUAL	FY 2016 ESTIMATED YEAR END ACTUAL	FY 2017 APPROVED BUDGET
<b>INPUT MEASURES</b>				
Staff	31	31	22	22
O&M Expenses	\$ 2,483,879	\$ 2,423,674	2,088,880	\$ 1,810,025
<b>OUTPUT MEASURES</b>				
Street / Security Lights Repairs	2,400	2,652	2,400	2,640
Electrical Inspections	3,200	5,000	2,000	2,200
Set / Replace Transformers	144	173	190	209
Set / Replace Poles	130	150	160	176
Locate / Repair URD Faults	144	160	140	154
WOs Completed	240	300	260	286
General Service Request Closed	3,360	4,480	4,500	4,950
<b>EFFICIENCY MEASURES</b>				
Install Street / Security Lights	144	180	190	209
New Connections	1,440	1,500	1,600	1,760
Average Power Restoration Time per Outage (hrs.)	1.75	1.65	1.5	2
Average time of Street Light Repair (Cal. Days)	4.0	3.0	3	3
Average time of Security Light Repair (Cal. Days)	5.0	3.0	3	3



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

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 47,232	\$ 45,304	\$ 45,929	\$ 46,654	\$ 7,290	\$ -
6110 Clerical staff	15,717	18,150	15,428	31,158	16,298	-
6115 Operational staff	967,837	1,056,294	1,117,527	905,305	1,055,459	708,196
6130 Overtime	49,691	47,707	38,781	57,066	12,355	56,862
6201 T.M.R.S.	157,282	166,756	165,790	123,578	179,521	125,280
6205 F.I.C.A.	64,268	69,359	72,083	60,953	64,764	43,908
6210 Medicare	15,030	16,221	16,858	14,255	15,146	10,269
6214 Dental Insurance	6,666	6,789	6,887	7,109	6,057	5,080
6215 Hospitalization insurance	174,541	179,887	182,978	186,379	179,237	153,299
6220 Life Insurance	1,384	1,502	1,524	8,062	1,384	782
6221 Long Term Disability Insurance	2,603	2,833	2,880	3,441	2,607	1,416
6225 Workers Compensation	31,346	30,808	32,042	24,578	27,539	17,705
6230 Vacation leave	3,587	12,404	(6,125)	17,079	(23,334)	7,986
6235 Sick leave	(6,788)	16,619	12,166	18,773	(71,487)	8,778
6260 Vacancy Savings	-	-	-	(70,574)	-	(49,886)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>1,530,397</b>	<b>1,670,634</b>	<b>1,704,747</b>	<b>1,433,818</b>	<b>1,472,836</b>	<b>1,089,675</b>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	339	500	-	500
7110 Dues & memberships	77	704	675	800	183	800
7120 Office supplies	1,404	2,448	2,032	2,000	1,968	2,000
7130 Postage/shipping charges	2,349	185	116	250	122	250
7135 Telephone expenses	122	-	-	200	-	200
7140 Training expenses	(45)	55	590	-	250	-
7145 Travel expenses	2,794	2,891	1,290	3,000	727	1,000
7203 Sand, Caliche, Gravel, Concrete etc	-	-	250	-	1,749	-
7205 Lamps, globes & flares	2,987	607	5,494	7,000	757	7,000
7210 Landscaping/Trade a Tree Program	123	517	-	-	-	-
7215 Laundry & janitorial supplies	-	-	110	-	-	-
7225 Safety supplies	4,343	2,948	8,880	1,000	6,262	2,500
7299 Other materials & supplies	80,311	119,406	179,986	153,000	68,812	103,000
7310 Federal, state, & local fees	66	2	-	-	1,408	-
7315 Food, meals, ice, water	515	576	389	600	585	600
7325 Rental of equip/storage/land	-	33,645	31,624	30,000	10,459	15,000
7335 Wearing apparel & dry goods	8,661	22,368	38,330	29,000	30,631	29,000
7415 Fuels & lubricants	81,797	83,292	60,129	60,000	40,385	50,000
7501 Maint. of buildings & structures	16,724	24	1,268	5,000	644	5,000
7505 Maint. of communication equipment	-	-	-	500	270	500
7520 Maint. of minor equipment	-	438	1,513	-	-	-
7540 Maint. of line transformers	153,318	154,234	62,869	120,000	72,086	115,000
7550 Maint. of overhead lines	93,384	49,937	46,200	50,000	49,779	63,000
7565 Maint. of street lighting & signals	147,266	178,150	142,548	100,000	161,366	140,000
7570 Maint. of underground lines	31,738	45,620	19,613	20,000	65,821	75,000
7575 Maint. of water meters	-	245	-	-	-	-
7599 Maintenance / other	43,255	37,154	27,968	-	24,027	25,000
7630 Construction contractor services	20,534	19,483	-	-	275	-
7645 Maintenance services	-	-	389	-	-	-
7699 Other services	5,273	2,233	6,485	3,000	6,848	10,000
7801 Communication equipment	2,909	3,076	-	-	-	-
7805 Computer equipment	105	-	-	-	815	5,000
7820 Office furniture & equipment	-	3,075	-	-	40	-
7835 Tools, shop and garage equipment	17,814	47,945	77,178	28,000	56,294	50,000
7899 Other minor tools & equipment	4,044	1,986	2,663	2,500	13,482	20,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>721,868</b>	<b>813,244</b>	<b>718,927</b>	<b>616,350</b>	<b>616,044</b>	<b>720,350</b>
	<b>\$ 2,252,265</b>	<b>\$ 2,483,879</b>	<b>\$ 2,423,674</b>	<b>\$ 2,050,168</b>	<b>\$ 2,088,880</b>	<b>\$ 1,810,025</b>



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

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

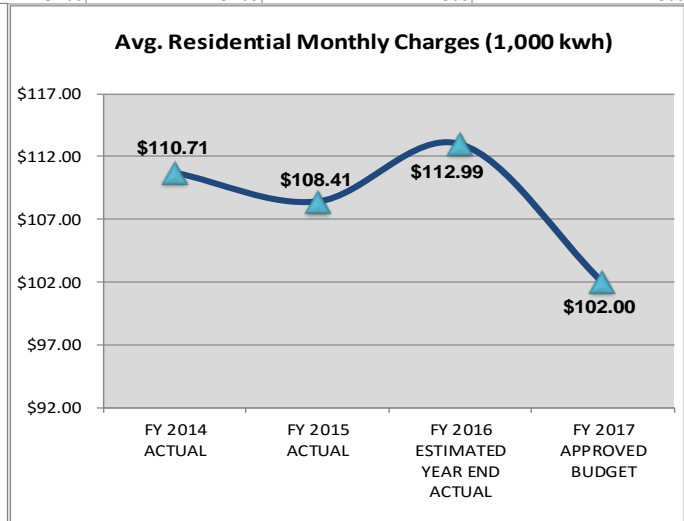
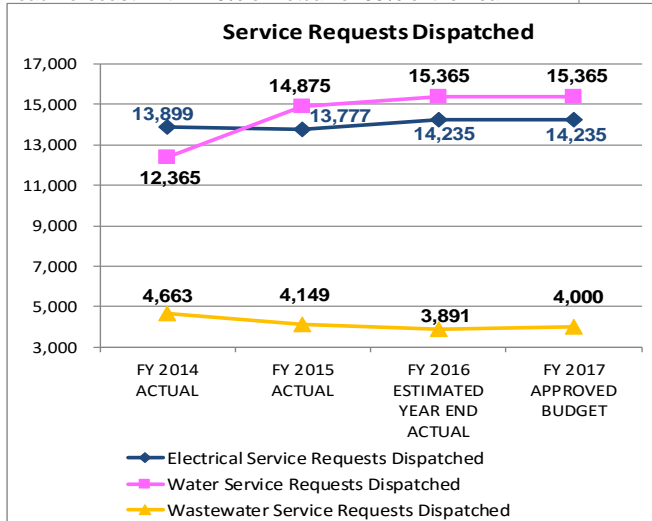
**Department Function:**

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 2014 ACTUAL	FY 2015 ACTUAL	FY 2016 ESTIMATED YEAR END ACTUAL	FY 2017 APPROVED BUDGET
<b>INPUT MEASURES</b>				
Employees	14	14	15	15
O&M Expenses	\$ 1,280,018	\$ 1,323,880	\$ 1,374,532	\$ 1,420,107
<b>OUTPUT MEASURES</b>				
Operational Reports (daily)	16	16	16	16
Electrical Service Requests Dispatched	13,899	13,777	14,235	14,235
Water Service Requests Dispatched	12,365	14,875	15,365	15,365
Wastewater Service Requests Dispatched	4,663	4,149	3,891	4,000
SCADA Service Requests Dispatched	132	108	127	130
<b>OUTCOME MEASURES</b>				
Fatalities or Injuries as a Result of Switching	None	None	None	None
All Certified Operators Maintain NERC Certification	Yes	Yes	Yes	Yes
<b>EFFICIENCY MEASURES</b>				
Avg. Residential Monthly Charges (1,000 kwh)	\$ 110.71	\$ 108.41	\$ 112.99	\$ 102.00
Load Forecast Within 10% of Actual for 90% of the Year	91%	92%	0%	0%



## DEPARTMENT 2150 - ENERGY CONTROL CENTER OPERATIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 95,106	\$ 100,540	\$ 105,063	\$ 101,899	\$ 102,321	\$ 101,899
6105 Administrative Staff	-	-	6,014	-	-	-
6110 Clerical staff	34,624	36,140	35,922	34,944	59,804	60,070
6115 Operational staff	559,329	660,731	738,375	730,683	718,533	721,115
6130 Overtime	41,255	37,421	38,105	43,420	42,391	66,519
6201 T.M.R.S.	106,569	119,010	125,632	109,050	155,365	156,218
6205 F.I.C.A.	43,671	49,786	55,261	53,787	55,913	54,751
6210 Medicare	10,213	11,644	12,924	12,579	13,077	12,805
6214 Dental Insurance	3,524	3,622	3,687	4,235	3,721	4,536
6215 Hospitalization insurance	96,411	101,881	104,329	116,717	115,865	148,704
6220 Life Insurance	906	1,039	1,129	7,114	1,154	924
6221 Long Term Disability Insurance	1,757	2,035	2,230	3,036	2,276	1,766
6225 Workers Compensation	20,077	20,871	23,087	21,688	23,445	22,077
6230 Vacation leave	6,333	15,732	507	14,468	(4,973)	10,801
6235 Sick leave	28,273	61,639	17,527	15,903	6,533	11,872
6260 Vacancy Savings	-	-	-	(59,787)	-	(64,262)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>1,048,047</b>	<b>1,222,091</b>	<b>1,269,794</b>	<b>1,209,737</b>	<b>1,295,424</b>	<b>1,309,797</b>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	57	-	-	500	-	500
7110 Dues & memberships	290	940	640	1,500	1,940	3,550
7120 Office supplies	2,651	1,368	1,301	2,000	1,594	2,000
7130 Postage/shipping charges	66	68	76	200	-	200
7140 Training expenses	23,175	16,448	10,950	20,000	25,431	25,000
7145 Travel expenses	40,411	20,269	19,905	45,000	21,530	30,000
7180 Utilities - departmental	8,772	11,892	13,948	13,000	11,323	13,000
7215 Laundry & janitorial supplies	38	82	-	-	-	-
7299 Other materials & supplies	266	320	21	500	541	500
7315 Food, meals, ice, water	492	594	379	1,000	913	1,500
7325 Rental of equip/storage/land	5,480	5,178	5,495	5,000	4,764	6,200
7335 Wearing apparel & dry goods	-	-	185	-	-	-
7415 Fuels & lubricants	-	-	-	500	-	500
7501 Maint. of buildings & structures	1,409	-	382	1,500	520	1,500
7505 Maint. of communication equipment	-	-	-	500	472	850
7645 Maintenance services	-	-	325	1,250	-	1,250
7699 Other services	-	-	-	-	5,635	-
7805 Computer equipment	-	655	-	2,405	609	18,900
7806 Software licenses - new	-	-	-	550	32	550
7820 Office furniture & equipment	-	-	-	2,000	3,208	2,310
7899 Other minor tools & equipment	499	114	480	2,000	598	2,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>83,605</b>	<b>57,927</b>	<b>54,086</b>	<b>99,405</b>	<b>79,108</b>	<b>110,310</b>
	<b>\$ 1,131,651</b>	<b>\$ 1,280,018</b>	<b>\$ 1,323,880</b>	<b>\$ 1,309,142</b>	<b>\$ 1,374,532</b>	<b>\$ 1,420,107</b>



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, 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/LS 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

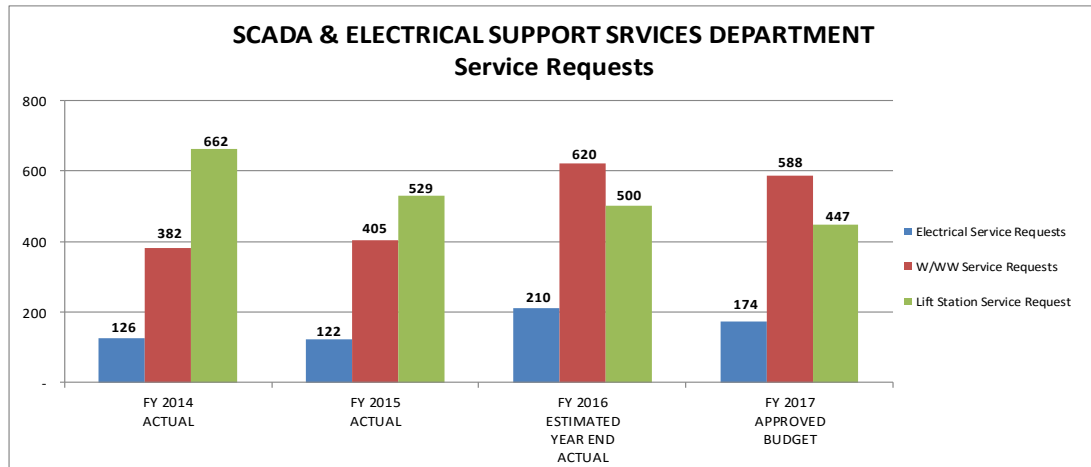
**OUTCOME MEASURES**

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 2014 ACTUAL	FY 2015 ACTUAL	FY 2016 ESTIMATED YEAR END ACTUAL	FY 2017 APPROVED BUDGET
Employees	17	17	19	19
O&M Personnel Expense	\$ 1,519,857	\$ 1,092,748	\$ 1,159,160	\$ 1,387,554
O&M Non-Personnel Expense	\$ 59,833,915	\$ 849,237	\$ 807,644	\$ 857,800
Instrumentation Locations of the Electric SCADA System	16	16	45	45
Miles of Fiber Maintained			90	100
Instrumentation Locations of the W/WW SCADA System	75	75	78	78
Instrumentation Locations of the Lift Stations	180	180	185	185
<b>OUTPUT MEASURES</b>				
Number of Service Requests For Electric SCADA System	126	122	210	174
Number of Service Requests For W/WW SCADA System	382	405	620	588
Number of Service Requests For Electrical Lift Stations	662	529	500	447
Back-Up Generator Maintenance	31	31	32	32
Invoices/Transactions Processed & Contracts Maintained	23	318	300	300
<b>OUTCOME MEASURES</b>				
Number of Service Requests For Electric SCADA System Completed	126	122	174	174
Number of Service Requests For W/WW SCADA System Completed	379	405	588	588
Number of Service Requests For Electric Lift Stations Completed	660	529	457	447
<b>EFFICIENCY MEASURES</b>				
% Number of Service Requests For Electric SCADA System	100%	100%	83%	100%
% Number of Service Requests For W/WW SCADA System	99%	100%	95%	100%
% Number of Service Requests For Electric Lift Stations	100%	100%	91%	100%



**DEPARTMENT 2210 – SCADA & ELECTRICAL SUPPORT SERVICES**

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 444,708	\$ 441,821	\$ 230,933	\$ 243,963	\$ 145,741	\$ 245,636
6105 Administrative Staff	202,787	137,892	46,311	52,125	85,193	107,099
6110 Clerical staff	53,717	36,438	31,709	31,533	31,575	31,533
6115 Operational staff	482,373	515,647	507,198	520,000	522,080	568,630
6130 Overtime	14,902	11,763	14,109	25,137	12,697	14,129
6201 T.M.R.S.	174,882	163,451	113,143	106,546	132,693	172,511
6205 F.I.C.A.	71,242	67,377	49,382	52,552	47,144	60,462
6206 Suta	-	2,190	730	-	-	-
6210 Medicare	16,998	16,085	11,549	12,291	11,026	14,140
6214 Dental Insurance	5,977	5,422	4,150	4,840	4,082	5,745
6215 Hospitalization insurance	165,343	157,646	119,088	137,765	133,824	186,607
6220 Life Insurance	1,586	1,510	1,120	6,950	1,056	1,030
6221 Long Term Disability Insurance	3,088	2,950	2,170	2,967	2,037	1,950
6225 Workers Compensation	33,475	28,872	20,762	21,191	19,995	24,380
6230 Vacation leave	11,102	(20,562)	(11,198)	14,432	(980)	11,586
6235 Sick leave	18,236	(54,295)	(48,408)	15,863	10,997	12,735
6242 Auto Benefits	7,500	4,615	-	-	-	-
6243 Telephone Benefits	1,680	1,034	-	-	-	-
6260 Vacancy Savings	-	-	-	(59,636)	-	(70,619)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>1,709,596</u>	<u>1,519,857</u>	<u>1,092,748</u>	<u>1,188,519</u>	<u>1,159,160</u>	<u>1,387,554</u>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	2,879	3,952	638	500	-	500
7110 Dues & memberships	2,069	4,585	1,112	1,800	1,267	1,800
7120 Office supplies	5,124	4,334	2,792	3,000	2,956	3,000
7130 Postage/shipping charges	648	951	450	300	938	500
7135 Telephone expenses	332	-	-	-	-	-
7140 Training expenses	5,770	1,695	175	13,900	834	13,900
7145 Travel expenses	19,005	22,686	1,643	11,100	9,166	11,100
7180 Utilities - departmental	1,195	1,602	2,371	1,500	1,838	2,000
7190 Utilities - CP&L & Mvec	-	-	19	-	-	-
7225 Safety supplies	-	526	2,276	500	2,131	1,500
7299 Other materials & supplies	309,429	267,293	281,895	201,000	234,346	201,000
7304 Hurricane Preparedness Expenses	283,667	80,827	206,200	230,000	196,937	200,000
7305 ERCOT expenses	1,799,270	1,567,229	100,055	95,000	138,535	110,000
7310 Federal, state, & local fees	62	-	-	200	70	200
7315 Food, meals, ice, water	627	529	1,029	750	905	1,200
7325 Rental of equip/storage/land	-	-	-	5,000	330	500
7335 Wearing apparel & dry goods	4,980	10,673	12,318	8,000	11,225	10,000
7415 Fuels & lubricants	25,671	24,494	17,601	15,000	14,706	15,000
7501 Maint. of buildings & structures	978	840	1,211	2,000	16,671	15,000
7505 Maint. of communication equipment	1,542	890	3,530	5,000	1,805	56,000
7601 Legal Fees	228,187	62,317	-	-	-	-
7635 Software maintenance service fees	738	48,651	32,297	40,000	34,469	40,000
7645 Maintenance services	135,074	108,302	108,771	133,750	100,126	128,000
7701 Fuel - Natural gas - Silas Ray	3,374,506	3,822,520	-	-	-	-
7702 Fuel - Natural Gas - Hidalgo Energy	11,820,986	13,091,950	-	-	-	-
7704 Fuel - TETCO/Hinshaw Pipeline	541,701	629,567	-	-	-	-
7705 Fuel - Coal - Oklaunion	8,366,230	9,906,208	-	-	-	-
7706 Fuel-Diesel-Distributed Generation	26,108	3,531	-	-	-	-
7707 Fuel - Diesel oil - Oklaunion	178,077	241,855	-	-	-	-
7720 Pchp - Resource Imbalance	(1,527,651)	(1,639,172)	-	-	-	-
7721 Pchp - Economy power	14,354,307	21,743,977	-	-	-	-

**DEPARTMENT 2210 - FUEL AND ENERGY/SCADA – continued**

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
7726 Pchp - Bilateral Energy Expns-Gas	125,996	656,513	-	-	-	-
7729 Pchp - TCOS (Wheeling)	3,668,901	6,358,881	-	-	-	-
7733 Pchp - Bilateral Ancillary Services	1,104,526	1,776,100	-	-	-	-
7736 Pchp - QSE Charges	340,628	329,534	-	-	-	-
7737 Pchp - Ercot Charges	(301,308)	(966,043)	-	-	-	-
7738 Pchp - CSC Congestion Cost (CSCBE)	1,349,220	1,406,807	-	-	-	-
7740 Power marketing services	105,944	237,536	-	-	-	-
7801 Communication equipment	3,073	4,703	3,442	7,000	11,711	15,000
7805 Computer equipment	1,892	3,999	910	10,000	14,002	15,000
7806 Software licenses - new	3,032	5,178	58,282	8,000	1,921	8,000
7820 Office furniture & equipment	139	640	2,528	2,000	1,876	2,100
7899 Other minor tools & equipment	9,389	7,257	7,695	6,500	8,877	6,500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	46,372,943	59,833,915	849,237	801,800	807,644	857,800
	\$ 48,082,539	\$ 61,353,772	\$ 1,941,985	\$ 1,990,319	\$ 1,966,804	\$ 2,245,354



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Department Responsibility **Rolando Lozano**

Title: **Power Plant Manager**

Telephone Ext: **6404**

Dept. No. **2220**

**PERFORMANCE MEASURES  
FOR THE  
POWER PRODUCTION DEPARTMENT**

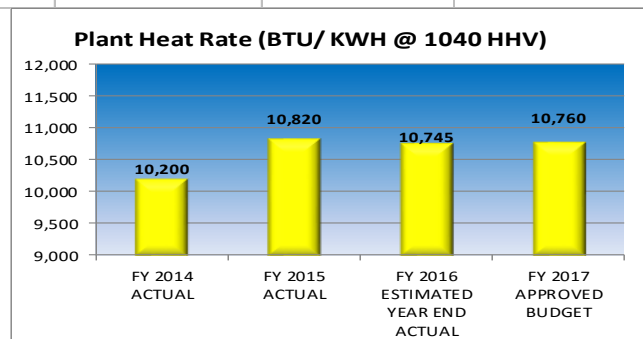
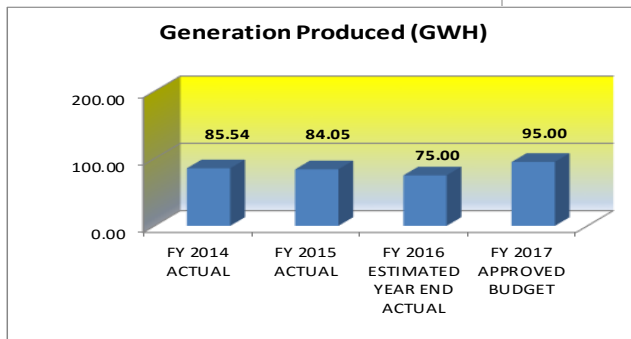
**Department Function:**

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 2014 ACTUAL	FY 2015 ACTUAL	FY 2016 ESTIMATED YEAR END ACTUAL	FY 2017 APPROVED BUDGET
<b>INPUT MEASURES</b>				
Employees (FTE's)	28	28	27	27
Overtime (Hours)	4244	4020	4526	2446
Personnel O&M	\$ 1,957,292	\$ 2,105,266	\$ 2,104,125	\$ 2,064,986
Non-Personnel O&M (Expenses) - All Plants	\$ 11,777,947	\$ 11,301,135	\$ 9,655,608	\$ 12,017,937
<b>OUTPUT MEASURES</b>				
Generation Produced (GWH)	85.54	84.05	75.00	95.00
Availability (%)	75%	77%	90%	86%
<b>OUTCOME MEASURES - Silas Ray</b>				
Revenue, Gross (\$Base: Gen @ \$0.10/kwh)	\$ 8,554,000	\$ 8,405,167	\$ 7,500,000	\$ 9,500,000
Other Revenue (\$ for Contract Services)	\$ 534,360	\$ 534,360	\$ 534,360	\$ 534,360
<b>EFFICIENCY MEASURES</b>				
Plant Heat Rate (BTU/ KWH @ 1040 HHV)	10,200	10,820	10,745	10,760
Reliability (%)	100.00%	91.66%	95.00%	95.00%



## DEPARTMENT 2220 - POWER PRODUCTION

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 232,161	\$ 234,948	\$ 235,819	234,915	182,186	234,915
6105 Administrative Staff	74,630	82,471	113,217	133,994	188,949	133,994
6110 Clerical staff	24,583	25,050	25,300	25,126	10,550	23,109
6115 Operational staff	921,952	910,559	988,090	996,653	1,001,275	977,267
6130 Overtime	79,689	128,824	134,356	76,439	74,585	91,390
6201 T.M.R.S.	194,487	197,310	204,849	174,812	242,318	242,227
6205 F.I.C.A.	79,211	81,737	89,046	86,223	86,289	84,896
6206 Suta	-	-	-	-	5,472	-
6210 Medicare	18,525	19,116	20,825	20,165	20,180	19,855
6214 Dental Insurance	6,906	6,704	7,197	8,168	6,962	8,164
6215 Hospitalization insurance	198,070	202,058	217,084	244,929	230,180	277,701
6220 Life Insurance	1,692	1,680	1,853	11,404	1,851	1,466
6221 Long Term Disability Insurance	3,256	3,231	3,441	4,674	3,428	2,628
6225 Workers Compensation	36,557	34,587	37,637	34,767	36,542	34,232
6230 Vacation leave	6,873	5,844	11,828	23,908	2,405	16,544
6235 Sick leave	12,519	23,172	14,724	26,279	10,954	18,185
6260 Vacancy Savings	-	-	-	\$ (98,791)	\$ -	\$ (101,586)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>1,891,111</b>	<b>1,957,292</b>	<b>2,105,266</b>	<b>2,003,663</b>	<b>2,104,125</b>	<b>2,064,986</b>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	45	823	401	750	1,252	2,368
7110 Dues & memberships	1,226	600	945	600	562	1,425
7120 Office supplies	2,079	3,170	6,512	5,000	2,211	5,000
7130 Postage/shipping charges	9,781	2,642	14,415	6,000	6,020	10,000
7140 Training expenses	14,240	6,765	9,470	8,000	6,110	8,000
7145 Travel expenses	33,945	19,232	18,067	10,440	17,215	18,000
7147 Mileage Reimbursement (InTownExp)	-	-	-	75	-	300
7180 Utilities - departmental	199,363	220,345	176,615	220,000	208,473	220,000
7215 Laundry & janitorial supplies	2,508	3,143	4,038	2,500	1,553	2,885
7225 Safety supplies	1,974	1,936	1,972	1,000	2,217	2,283
7293 Chemicals - other	79,196	78,193	39,706	51,000	115,578	95,000
7299 Other materials & supplies	30,385	17,199	19,001	14,500	9,428	20,000
7310 Federal, state, & local fees	-	70	140	500	-	500
7315 Food, meals, ice, water	879	1,001	1,254	1,000	906	1,500
7325 Rental of equip/storage/land	7,441	3,677	9,662	9,000	5,029	10,000
7335 Wearing apparel & dry goods	7,815	15,675	25,107	12,000	28,817	25,000
7415 Fuels & lubricants	4,469	3,786	3,367	3,400	2,286	3,400
7501 Maint. of buildings & structures	40,603	27,642	9,343	16,500	23,996	25,000
7505 Maint. of communication equipment	3,467	140	-	3,000	980	7,000
7515 Maint. of major equipment	259,646	1,171,376	941,891	252,600	299,489	1,790,100
7520 Maint. of minor equipment	20,691	57,093	28,080	28,200	37,207	35,000
7525 Maint. of boiler plant	103,988	90,201	140,150	150,000	304,762	250,000
7605 Engineering fees	25,111	29,547	8,297	20,000	10,200	20,000
7645 Maintenance services	79,086	6,074	20,706	15,500	86,107	100,000
7699 Other services	11,926	12,717	4,064	20,000	11,668	15,000
7703 Fuel - Diesel oil - Silas Ray	2,827	3,926	790	-	-	-
7731 Pchp - Fixed expenses - Oklaunion	5,782,994	6,579,426	6,943,411	7,297,312	5,315,399	6,349,847
7732 Pchp - Hidalgo Fixed Operation Fee	4,727,204	3,415,151	2,850,313	3,377,288	3,148,987	2,977,329
7805 Computer equipment	-	-	43	-	-	-
7806 Software licenses - new	5,395	5,592	14,881	6,000	623	6,000
7820 Office furniture & equipment	3,792	235	854	3,500	3,987	7,000
7899 Other minor tools & equipment	958	571	7,640	8,000	4,543	10,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>11,463,032</b>	<b>11,777,947</b>	<b>11,301,135</b>	<b>11,543,665</b>	<b>9,655,608</b>	<b>12,017,937</b>
	<b>\$ 13,354,143</b>	<b>\$ 13,735,239</b>	<b>\$ 13,406,401</b>	<b>\$ 13,547,328</b>	<b>\$ 11,759,733</b>	<b>\$ 14,082,923</b>



**BROWNSVILLE  
PUBLIC UTILITIES BOARD**



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

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

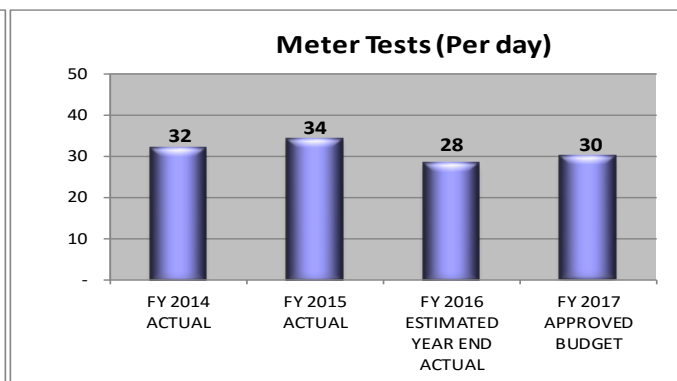
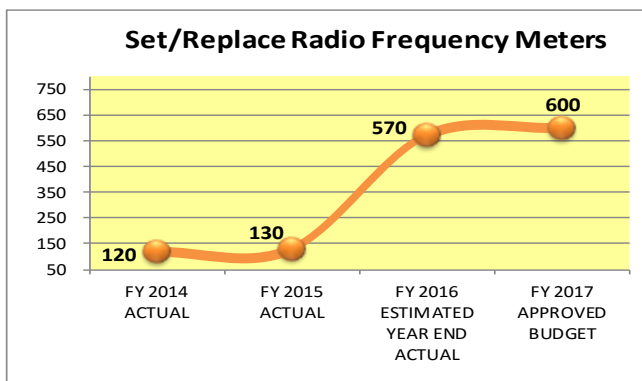
**Department Function:**

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.

	<b>FY 2014 ACTUAL</b>	<b>FY 2015 ACTUAL</b>	<b>FY 2016 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2017 APPROVED BUDGET</b>
<b>INPUT MEASURES</b>				
Staff	8	8	8	8
ERCOT TDSP Meters	8	8	8	8
O&M Expenses	\$ 559,199	\$ 583,928	\$ 604,392	\$ 633,610
<b>OUTPUT MEASURES</b>				
Install/ Maintain CT Rated Demand Meters	70	80	310	330
Meter Investigation	3,000	3,500	1,630	1,710
Set/Replace Radio Frequency Meters	120	130	570	600
Total Meter Tests	7,400	7,400	6,600	6,930
Total Service Orders Resolved	7,000	6,700	5,280	5,540
<b>OUTCOME MEASURES</b>				
Comply With ERCOT	Yes	Yes	Yes	Yes
<b>EFFICIENCY MEASURES</b>				
Meter Tests (Per day)	32	34	28	30
Service Orders Closed (Per day)	29	32	22	24



## DEPARTMENT 2310 - ELECTRIC METER SHOP

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ -	\$ -	\$ 17	\$ -	\$ -	\$ -
6105 Administrative Staff	-	-	36,893	51,022	47,466	51,022
6115 Operational staff	237,498	267,712	263,711	263,640	220,394	261,997
6130 Overtime	5,974	7,470	7,176	6,847	4,575	12,306
6201 T.M.R.S.	35,528	39,217	44,916	39,555	45,895	55,373
6205 F.I.C.A.	14,067	15,884	19,418	19,509	16,329	19,407
6210 Medicare	3,290	3,715	4,541	4,563	3,819	4,539
6214 Dental Insurance	1,678	1,825	1,953	2,420	1,634	2,419
6215 Hospitalization insurance	51,153	58,200	58,364	66,817	52,771	74,129
6220 Life Insurance	333	372	409	2,580	357	344
6221 Long Term Disability Insurance	528	598	668	974	574	553
6225 Workers Compensation	6,694	6,880	8,263	7,867	6,943	7,825
6230 Vacation leave	1,773	1,235	4,066	5,553	1,309	3,788
6235 Sick leave	9,931	5,626	(3,261)	6,104	10,433	4,163
6260 Vacancy Savings	-	-	-	(22,947)	-	(23,807)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>368,447</u>	<u>408,734</u>	<u>447,135</u>	<u>454,504</u>	<u>412,499</u>	<u>474,060</u>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	522	300	337	500
7110 Dues & memberships	11	-	-	-	-	-
7120 Office supplies	1,823	1,461	2,252	1,350	884	1,000
7130 Postage/shipping charges	1,435	1,391	513	1,000	301	800
7135 Telephone expenses	-	-	-	-	238	300
7140 Training expenses	1,020	295	307	300	815	1,500
7145 Travel expenses	4,509	102	829	-	3,279	4,000
7225 Safety supplies	-	435	-	500	134	500
7299 Other materials & supplies	35,362	30,992	22,249	17,000	34,897	25,750
7310 Federal, state, & local fees	-	-	128	-	-	-
7315 Food, meals, ice, water	281	299	94	400	86	200
7320 Official functions	-	-	20	-	-	-
7325 Rental of equip/storage/land	1,045	2,771	3,629	500	2,729	800
7335 Wearing apparel & dry goods	1,562	4,143	6,872	4,000	6,576	6,000
7415 Fuels & lubricants	14,849	13,525	9,064	14,000	7,101	6,000
7501 Maint. of buildings & structures	-	-	-	2,000	-	1,000
7505 Maint. of communication equipment	-	-	1,364	500	-	500
7530 Maint. of electric meters	78,326	84,934	73,161	75,000	106,787	100,000
7599 Maintenance / other	913	964	205	2,000	350	2,000
7699 Other services	12,117	1,831	8,651	1,000	960	500
7801 Communication equipment	-	-	-	-	112	-
7805 Computer equipment	-	-	-	-	496	300
7806 Software licenses - new	-	-	-	-	4,223	400
7820 Office furniture & equipment	525	-	-	2,400	716	2,400
7835 Tools, shop and garage equipment	562	106	1,137	1,000	11,829	600
7899 Other minor tools & equipment	2,106	7,215	5,795	5,500	9,043	4,500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>156,446</u>	<u>150,465</u>	<u>136,793</u>	<u>128,750</u>	<u>191,893</u>	<u>159,550</u>
	<b>\$ 524,894</b>	<b>\$ 559,199</b>	<b>\$ 583,928</b>	<b>\$ 583,254</b>	<b>\$ 604,392</b>	<b>\$ 633,610</b>



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

**PERFORMANCE MEASURES  
 FOR THE  
 ELECTRIC ENGINEERING DEPARTMENT**

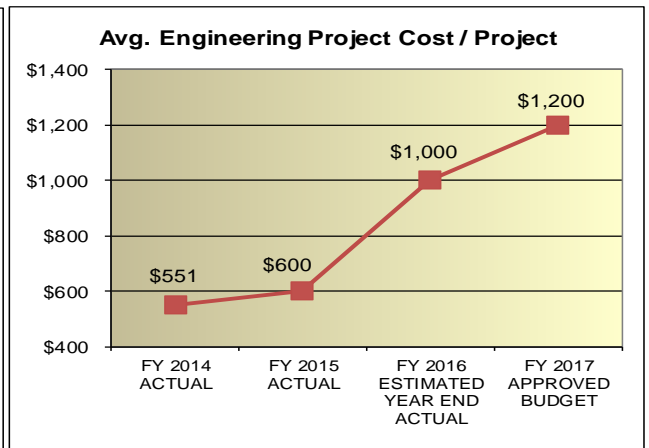
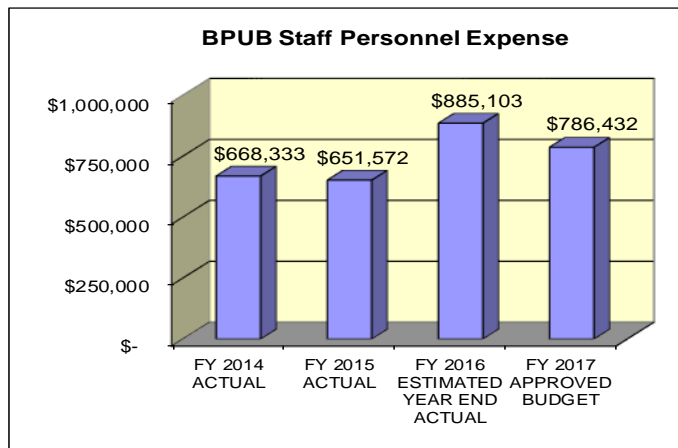
**Department Function:**

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.

	FY 2014 ACTUAL	FY 2015 ACTUAL	FY 2016 ESTIMATED YEAR END ACTUAL	FY 2017 APPROVED BUDGET
<b>INPUT MEASURES</b>				
B PUB Staff Personnel Expense	\$ 668,333	\$ 651,572	\$ 885,103	\$ 786,432
Non-Personnel O&M Expense	\$ 928,398	\$ 977,180	\$ 998,327	\$ 1,693,200
<b>OUTPUT MEASURES</b>				
Number of Customers (based on Work Orders)	315	315	315	325
Number of Street Lights	130	135	160	160
Number of Trees Trimmed	14,000	14,000	8,600	9,200
Number of Trouble Calls Completed	1,212	1,400	1,900	1,900
AEP - Magic Valley Conversions	7	5	5	3
<b>OUTCOME MEASURES</b>				
Residential Lots Designed	200	350	400	500
Commercial Lots Designed	140	150	130	140
Substations Designed	2	2	2	1
New Feeders Designed	5	3	3	2
Services Designed in Multi-Certified Areas	275	250	250	250
<b>EFFICIENCY MEASURES</b>				
Customers per Employee (year)	27.40	28.00	30.00	30.00
Work Order Accuracy	90%	85%	85%	90%
System Losses (MWH Purchased- MWH Sold)	7.25%	6.50%	5.50%	6.00%
Avg. Engineering Project Cost / Project	\$ 551	\$ 600	\$ 1,000	\$ 1,200



## DEPARTMENT 2410 - ELECTRIC ENGINEERING

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 36,270	\$ 2,430	\$ -	\$ 56,768	\$ 68,998	\$ 78,062
6105 Administrative Staff	351,654	365,660	388,292	390,397	473,871	443,472
6110 Clerical staff	102,268	90,265	61,183	69,761	61,994	44,510
6115 Operational staff	5,684	-	43	-	-	-
6130 Overtime	305	944	189	364	428	313
6201 T.M.R.S.	72,176	73,230	62,620	64,983	101,854	100,133
6205 F.I.C.A.	30,110	31,217	28,038	32,049	37,187	35,095
6210 Medicare	7,042	7,301	6,557	7,495	8,697	8,208
6214 Dental Insurance	2,966	2,704	2,536	3,161	3,125	3,160
6215 Hospitalization insurance	75,463	68,612	61,905	70,202	82,170	82,766
6220 Life Insurance	686	623	624	4,239	825	591
6221 Long Term Disability Insurance	1,326	1,203	1,198	1,809	1,594	1,132
6225 Workers Compensation	15,238	13,840	11,965	12,923	16,590	14,151
6230 Vacation leave	4,937	4,344	8,694	8,637	11,793	6,566
6235 Sick leave	(21,258)	5,959	17,727	9,493	15,978	7,217
6260 Vacancy Savings	-	-	-	(35,689)	-	(38,944)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>684,867</b>	<b>668,333</b>	<b>651,572</b>	<b>696,594</b>	<b>885,103</b>	<b>786,432</b>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	600	133	881	750	1,492	1,500
7110 Dues & memberships	1,449	1,056	1,143	1,250	813	1,000
7120 Office supplies	5,615	8,169	4,781	6,000	6,663	5,500
7125 Photo equipment/supplies	94	455	-	200	-	150
7130 Postage/shipping charges	523	579	617	650	1,038	750
7140 Training expenses	340	3,929	2,638	5,829	5,392	3,515
7145 Travel expenses	5,730	799	2,824	7,721	7,339	3,956
7203 Sand, Caliche, Gravel, Concrete etc	-	-	-	500	-	500
7210 Landscaping/Trade a Tree Program	-	-	-	300	430	500
7225 Safety supplies	797	593	664	600	607	600
7299 Other materials & supplies	642	1,617	261	1,250	584	650
7315 Food, meals, ice, water	896	586	784	700	909	800
7325 Rental of equip/storage/land	1,618	1,857	1,590	1,250	1,723	1,000
7330 Right of way fees	38,907	37,657	300	-	-	-
7335 Wearing apparel & dry goods	335	495	539	710	961	1,100
7415 Fuels & lubricants	6,203	4,113	1,923	3,500	2,686	2,500
7505 Maint. of communication equipment	87	-	-	400	-	400
7550 Maint. of overhead lines	-	8,000	-	-	-	-
7555 Maint. of station equipment	135	-	-	-	-	-
7565 Maint. of street lighting & signals	1,779	37,456	76,008	60,700	8,074	56,684
7570 Maint. of underground lines	-	67,012	188,820	182,000	291,684	182,000
7599 Maintenance / other	7	-	-	700	-	500
7601 Legal Fees	94,674	169,245	52,362	81,000	10,251	56,000
7605 Engineering fees	33,289	-	28,548	221,000	-	585,000
7630 Construction contractor services	-	12,970	28,013	31,500	34,251	61,552
7635 Software maintenance service fees	12,967	16,403	18,656	17,500	12,815	15,500
7699 Other services	726,374	551,883	557,747	481,500	602,520	701,878
7805 Computer equipment	399	60	-	3,254	138	1,000
7806 Software licenses - new	10,841	-	7,092	7,680	6,473	6,040
7820 Office furniture & equipment	1,769	2,136	509	975	1,223	1,800
7835 Tools, shop and garage equipment	33	67	35	75	22	75
7899 Other minor tools & equipment	18,925	1,128	445	1,000	238	750
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>965,030</b>	<b>928,398</b>	<b>977,180</b>	<b>1,120,494</b>	<b>998,327</b>	<b>1,693,200</b>
	<b>\$ 1,649,897</b>	<b>\$ 1,596,731</b>	<b>\$ 1,628,752</b>	<b>\$ 1,817,088</b>	<b>\$ 1,883,430</b>	<b>\$ 2,479,632</b>



Department Responsibility: Marie C. Leal, P.E.  
 Title: Director of W/WW Engineering, 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 tools and funding (necessary resources) in order to make the necessary improvements to the water and wastewaters 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 Lfit Stations
- 3150-W/WW Construction & Operations
- 3310-W/WW Engineering

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 194,473	\$ 130,923	\$ 53,929	\$ 84,003	\$ 92,836	\$ 78,000
6110 Clerical staff	32,025	34,137	34,200	33,862	33,393	33,862
6130 Overtime	530	446	331	500	292	500
6201 T.M.R.S.	32,470	23,603	12,028	14,816	28,383	19,788
6205 F.I.C.A.	13,433	9,836	4,668	7,308	8,240	6,935
6210 Medicare	3,264	2,414	1,281	1,709	2,520	1,622
6214 Dental Insurance	792	599	374	484	462	484
6215 Hospitalization insurance	20,802	15,429	9,314	11,652	12,288	13,400
6220 Life Insurance	423	219	120	967	148	115
6221 Long Term Disability Insurance	597	440	238	413	296	224
6225 Workers Compensation	9,662	7,635	4,605	2,947	5,333	2,797
6230 Vacation leave	8,147	(14,961)	3,346	1,914	6,917	1,354
6235 Sick leave	10,856	(53,498)	2,816	2,104	5,257	1,488
6242 Auto Benefits	15,000	12,115	7,500	7,500	6,633	7,500
6243 Telephone Benefits	3,360	2,714	1,680	1,680	1,486	1,680
6260 Vacancy Savings	-	-	-	(7,908)	-	(7,837)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>345,836</i>	<i>172,051</i>	<i>136,431</i>	<i>163,949</i>	<i>204,483</i>	<i>161,913</i>



**DEPARTMENT 3110 - WATER & WASTEWATER ENGINEERING, PLANNING & OPERATIONS**

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	5,685	5,828	15,105	6,200	5,733	650
7120 Office supplies	414	240	629	900	615	900
7130 Postage/shipping charges	64	31	165	200	-	200
7140 Training expenses	995	10	750	3,295	-	3,295
7145 Travel expenses	8,227	4,503	10,054	7,000	16	7,000
7315 Food, meals, ice, water	227	614	410	800	682	800
7415 Fuels & lubricants	-	-	124	-	134	-
7601 Legal Fees	4,330	21,184	8,147	10,000	-	10,000
7699 Other services	-	-	40,882	-	-	-
7801 Communication equipment	-	-	-	500	-	200
7805 Computer equipment	-	-	-	-	435	500
7820 Office furniture & equipment	-	-	-	-	284	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	19,941	32,410	76,265	28,895	7,898	23,545
	\$ 365,778	\$ 204,461	\$ 212,696	\$ 192,844	\$ 212,381	\$ 185,458



Department Responsibility: Domingo Cortez Jr.  
 Title: Chief W/WW Operator  
 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.

**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

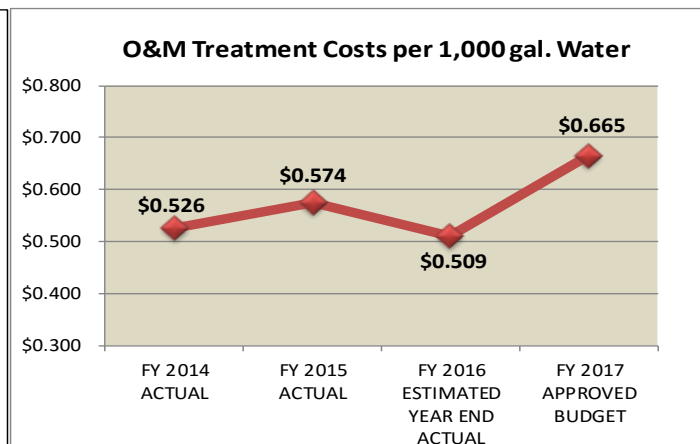
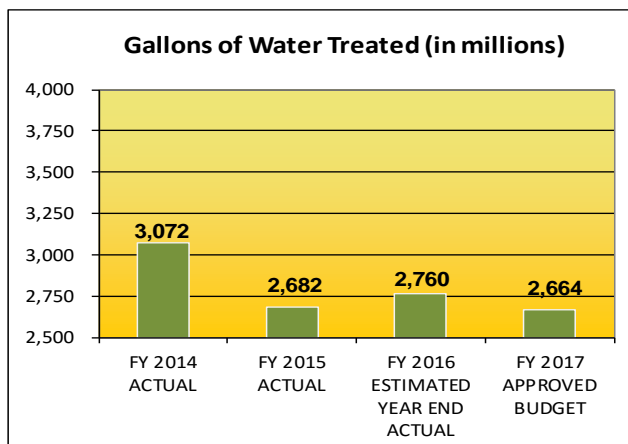
**OUTCOME MEASURES**

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

	<b>FY 2014 ACTUAL</b>	<b>FY 2015 ACTUAL</b>	<b>FY 2016 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2017 APPROVED BUDGET</b>
Employees (FTE's)	9	9	10	10
O&M Expenses	\$ 1,615,837	\$ 1,539,797	\$ 1,404,477	\$ 1,772,096
Gallons of Raw Water Used (in millions)	2,990	2,762	2,868	2,863
Gallons of Water Treated (in millions)	3,072	2,682	2,760	2,664
No. of Water Customers Served	48,946	49,400	50,308	51,279
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	\$ 0.526	\$ 0.574	\$ 0.509	\$ 0.665



## DEPARTMENT 3120 - WATER PLANT I

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 51,174	\$ 73,978	\$ 122,370	\$ 122,746	\$ 62,944	\$ 123,219
6110 Clerical staff	-	-	206	-	172	-
6115 Operational staff	227,127	232,846	237,384	219,086	234,284	263,120
6130 Overtime	4,769	4,559	5,165	8,092	7,958	8,267
6201 T.M.R.S.	41,293	44,390	51,212	42,970	50,354	68,343
6205 F.I.C.A.	16,913	18,327	22,336	21,194	18,034	23,953
6210 Medicare	3,955	4,286	5,224	4,957	4,218	4,702
6214 Dental Insurance	2,175	2,222	2,339	2,647	2,160	3,024
6215 Hospitalization insurance	55,952	62,655	63,422	66,459	63,898	90,202
6220 Life Insurance	398	433	498	2,803	427	427
6221 Long Term Disability Insurance	727	798	933	1,196	785	773
6225 Workers Compensation	7,742	7,785	9,409	8,546	7,658	9,658
6230 Vacation leave	6,224	7,967	(1,594)	5,961	(2,056)	4,533
6235 Sick leave	20,736	25,320	2,562	6,552	(11,992)	4,982
6260 Vacancy Savings	-	-	-	(24,630)	-	(28,579)
<i>O&amp;M PERSONNEL TOTAL</i>	439,187	485,564	521,466	488,578	438,845	576,625
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	44	44	175	44	175
7110 Dues & memberships	831	636	441	700	982	1,040
7120 Office supplies	182	63	417	450	233	400
7130 Postage/shipping charges	-	-	23	300	127	800
7140 Training expenses	905	1,456	2,997	2,800	3,418	2,800
7145 Travel expenses	543	1,307	572	1,368	382	1,440
7180 Utilities - departmental	237,139	276,454	236,932	250,000	212,130	250,000
7225 Safety supplies	1,677	1,261	977	2,000	1,692	2,000
7280 Chemicals - activated carbon	18,208	40,339	20,400	25,000	40,535	28,008
7281 Chemicals - ammonia	54,077	50,370	46,694	45,000	47,388	60,887
7282 Chemicals - caustic soda	36,180	11,830	-	25,000	-	25,000
7283 Chemicals - chlorine	81,470	67,491	75,972	65,000	72,898	76,916
7284 Chemicals - coagulant	618,807	526,541	459,310	504,000	352,999	467,042
7290 Chemicals - sodium chloride	52,461	65,598	60,648	65,000	44,141	56,430
7293 Chemicals - other	1,379	855	1,092	2,000	230	2,100
7299 Other materials & supplies	26,388	14,563	10,754	10,000	13,883	15,900
7315 Food, meals, ice, water	183	372	532	400	426	400
7325 Rental of equip/storage/land	2,476	2,366	2,429	3,500	2,238	3,500
7335 Wearing apparel & dry goods	2,713	2,148	2,876	2,608	2,596	2,608
7415 Fuels & lubricants	2,894	2,255	1,509	2,000	1,522	2,000
7520 Maint. of minor equipment	1,098	850	-	1,800	3,319	27,125
7580 Maint. of reservoirs	68,919	13,574	-	25,000	112,493	50,000
7630 Construction contractor services	-	13,700	46,971	8,000	-	30,000
7645 Maintenance services	7,802	8,395	20,893	12,000	10,747	17,000
7699 Other services	14,849	14,587	9,014	16,000	19,603	32,000
7810 Laboratory equipment	6,003	1,796	3,148	4,700	5,702	7,400
7820 Office furniture & equipment	-	-	876	2,500	1,132	2,500
7830 Pumping equipment	-	1,647	1,696	3,000	-	2,000
7840 Water treatment equipment	20,898	9,673	6,383	10,000	10,971	25,000
7899 Other minor tools & equipment	18,723	100	4,730	3,500	3,800	3,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	1,276,803	1,130,272	1,018,331	1,093,801	965,632	1,195,471
	\$ 1,715,990	\$ 1,615,837	\$ 1,539,797	\$ 1,582,379	\$ 1,404,477	\$ 1,772,096



**BROWNSVILLE  
PUBLIC UTILITIES BOARD**



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

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

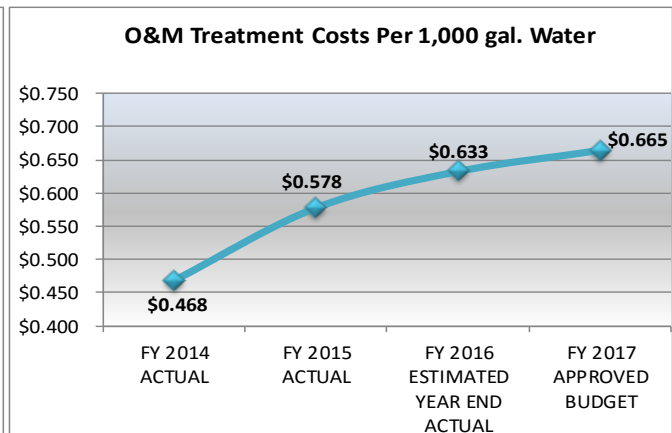
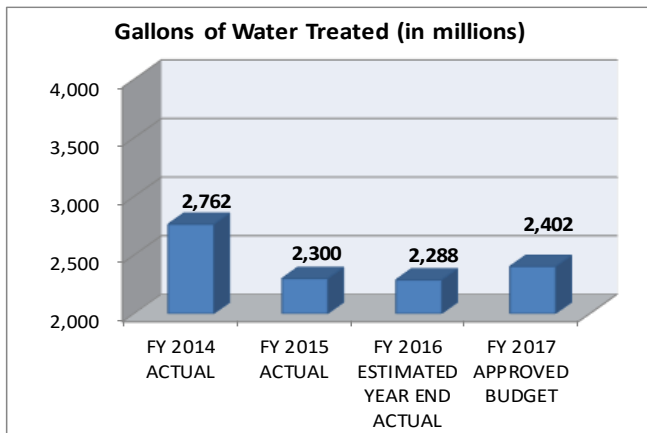
**Department Function:**

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.

	<b>FY 2014 ACTUAL</b>	<b>FY 2015 ACTUAL</b>	<b>FY 2016 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2017 APPROVED BUDGET</b>
<b>INPUT MEASURES</b>				
Employees (FTE's)	9	9	8	8
O&M Expenses	\$ 1,293,962	\$ 1,330,505	\$ 1,449,384	\$ 1,598,265
Gallons of Raw Water Used (in millions)	2,899	2,455	2,412	2,531
<b>OUTPUT MEASURES</b>				
Gallons of Water Treated (in millions)	2,762	2,300	2,288	2,402
No. of Water Customers Served	48,946	49,400	50,308	51,279
<b>OUTCOME MEASURES</b>				
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%
<b>EFFICIENCY MEASURES</b>				
O&M Treatment Costs Per 1,000 gal. Water	\$ 0.468	\$ 0.578	\$ 0.633	\$ 0.665



**DEPARTMENT 3130 - WATER PLANT II**

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 59,376	\$ 62,020	\$ 62,870	\$ 62,629	\$ 63,056	\$ 62,629
6115 Operational staff	244,495	233,415	234,047	250,286	220,905	211,494
6130 Overtime	8,426	12,471	8,154	10,795	9,116	10,413
6201 T.M.R.S.	45,573	44,226	41,648	39,335	48,658	48,492
6205 F.I.C.A.	18,693	18,607	18,267	19,401	17,320	16,996
6206 Suta	-	-	452	-	-	-
6210 Medicare	4,372	4,352	4,272	4,537	4,051	3,975
6214 Dental Insurance	2,390	2,364	2,344	2,723	2,141	2,419
6215 Hospitalization insurance	61,879	57,844	57,485	66,138	63,155	74,464
6220 Life Insurance	434	420	426	2,566	408	316
6221 Long Term Disability Insurance	792	761	775	1,095	746	548
6225 Workers Compensation	8,593	7,752	7,650	7,823	7,336	6,853
6230 Vacation leave	450	69	4,922	5,524	(5,120)	3,304
6235 Sick leave	(8,169)	5,342	14,097	6,072	(2,293)	3,631
6260 Vacancy Savings	-	-	-	(22,827)	-	(21,278)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>447,304</i>	<i>449,642</i>	<i>457,409</i>	<i>456,096</i>	<i>429,480</i>	<i>424,257</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	300	-	300
7110 Dues & memberships	988	1,257	651	950	708	950
7120 Office supplies	556	228	55	500	-	500
7130 Postage/shipping charges	25	-	7	100	7	100
7140 Training expenses	3,285	1,825	3,951	3,246	3,250	6,160
7145 Travel expenses	872	1,180	542	1,000	424	512
7180 Utilities - departmental	28,331	26,899	125,708	40,000	250,816	218,724
7190 Utilities - CP&L & Mvec	1,497	1,412	-	2,000	-	-
7190 Utilities - CP&L & Mvec	-	-	1,373	-	1,736	2,000
7225 Safety supplies	150	1,558	1,787	2,250	1,197	2,250
7280 Chemicals - activated carbon	32,359	21,268	21,070	25,000	20,828	43,061
7281 Chemicals - ammonia	65,223	49,864	42,386	47,648	40,852	45,496
7282 Chemicals - caustic soda	48,448	42,824	60,760	56,692	65,338	54,249
7283 Chemicals - chlorine	69,350	59,556	59,022	60,000	55,104	63,714
7284 Chemicals - coagulant	457,327	425,046	364,582	420,000	344,002	412,884
7290 Chemicals - sodium chloride	54,487	73,109	43,665	57,500	56,518	59,700
7293 Chemicals - other	1,417	1,359	1,093	5,000	509	5,000
7299 Other materials & supplies	32,326	22,699	11,928	21,400	26,200	21,400
7315 Food, meals, ice, water	450	183	314	400	324	400
7325 Rental of equip/storage/land	2,300	2,497	6,307	5,000	10,426	5,000
7335 Wearing apparel & dry goods	3,926	3,571	2,694	2,608	1,987	2,608
7415 Fuels & lubricants	1,682	1,931	1,803	1,500	2,112	1,500
7501 Maint. of buildings & structures	-	-	-	-	24,350	25,000
7580 Maint. of reservoirs	9,668	49,715	67,758	35,000	1,714	50,000
7605 Engineering fees	-	-	-	-	8,959	14,000
7630 Construction contractor services	-	-	-	-	6,000	50,000
7645 Maintenance services	3,661	542	705	10,000	10,317	10,000
7699 Other services	10,597	52,035	43,547	15,000	48,585	50,000
7810 Laboratory equipment	-	-	-	-	4,535	-
7820 Office furniture & equipment	150	663	-	3,300	348	2,500
7830 Pumping equipment	-	242	229	1,000	10,576	1,000
7899 Other minor tools & equipment	20,184	2,855	11,159	11,600	22,183	25,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>849,259</i>	<i>844,320</i>	<i>873,096</i>	<i>828,994</i>	<i>1,019,904</i>	<i>1,174,008</i>
	<b>\$ 1,296,562</b>	<b>\$ 1,293,962</b>	<b>\$ 1,330,505</b>	<b>\$ 1,285,090</b>	<b>\$ 1,449,384</b>	<b>\$ 1,598,265</b>



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)

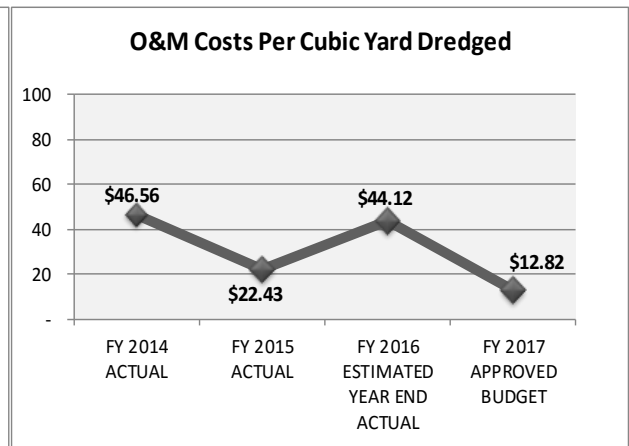
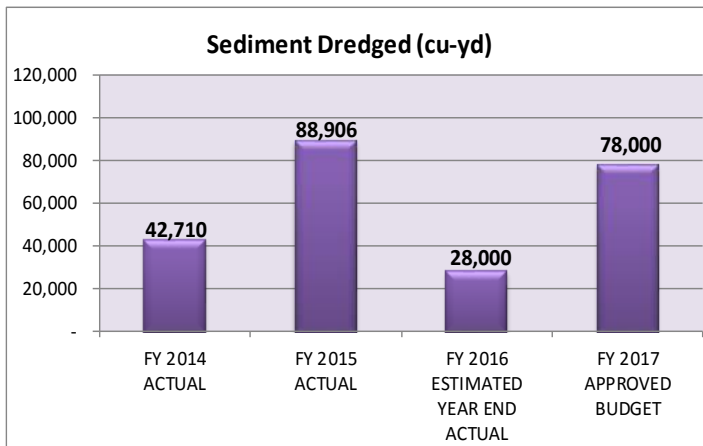
**OUTCOME MEASURES**

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 2014 ACTUAL	FY 2015 ACTUAL	FY 2016 ESTIMATED YEAR END ACTUAL	FY 2017 APPROVED BUDGET
Employees (FTE's)	19	19	17	17
O&M Expenses	\$ 1,988,617	\$ 1,994,290	\$ 1,235,309	\$ 1,000,000
Sediment Dredged (cu-yd)	42,710	88,906	28,000	78,000
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)	26	55	17	48
O&M Costs Per Cubic Yard Dredged	\$ 46.56	\$ 22.43	\$ 44.12	\$ 12.82



## DEPARTMENT 3135 – RESACA MAINTENANCE

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 134,331	\$ 181,337	\$ 135,574	\$ 181,501	\$ 138,102	\$ 135,054
6110 Clerical staff	-	16,912	25,644	25,480	25,804	25,480
6115 Operational staff	196,791	335,981	414,956	302,931	323,593	319,363
6130 Overtime	37,727	22,348	72,556	69,918	32,638	-
6201 T.M.R.S.	53,690	79,974	88,632	72,943	86,565	84,894
6205 F.I.C.A.	21,723	33,032	38,302	35,949	30,202	29,754
6210 Medicare	5,080	7,725	8,958	8,408	7,063	6,959
6214 Dental Insurance	2,360	4,536	4,777	4,538	3,771	4,235
6215 Hospitalization insurance	68,999	123,912	132,104	128,110	122,468	139,983
6220 Life Insurance	456	773	829	4,755	702	505
6221 Long Term Disability Insurance	843	1,389	1,492	2,029	1,276	960
6225 Workers Compensation	9,736	14,037	16,272	14,363	13,036	11,885
6230 Vacation leave	20,207	4,691	2,241	6,170	(3,160)	5,807
6235 Sick leave	61,321	20,118	3,758	6,782	(6,357)	6,383
6260 Vacancy Savings	-	-	-	(300,000)	-	-
<i>O&amp;M PERSONNEL TOTAL</i>	<i>613,262</i>	<i>846,766</i>	<i>946,093</i>	<i>563,875</i>	<i>775,703</i>	<i>771,261</i>
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising	-	352	-	-	-	-
7105 Books & periodicals	-	-	-	31	-	20
7110 Dues & memberships	470	574	508	306	436	500
7120 Office supplies	1,501	1,474	1,223	306	793	500
7130 Postage/shipping charges	508	363	1,933	183	64	45
7140 Training expenses	1,200	2,183	2,795	978	615	600
7145 Travel expenses	102	1,338	1,399	520	6,689	4,000
7147 Mileage Reimbursement (InTownExp)	-	-	40	-	-	-
7180 Utilities - departmental	7,405	13,886	18,826	4,585	14,569	14,000
7203 Sand, Caliche, Gravel, Concrete etc	126,549	60,881	24,710	22,923	21,192	12,000
7225 Safety supplies	4,630	3,164	3,571	917	4,812	3,600
7293 Chemicals - other	149,345	238,901	197,892	85,580	140,139	67,702
7299 Other materials & supplies	145,832	55,574	80,810	18,338	50,122	40,000
7315 Food, meals, ice, water	728	707	525	245	195	100
7325 Rental of equip/storage/land	62,148	51,985	7,126	19,867	11,138	8,000
7335 Wearing apparel & dry goods	3,175	5,700	7,432	1,712	6,102	5,500
7415 Fuels & lubricants	30,756	73,735	65,242	24,451	35,594	36,000
7581 Maint. of resacas	23,778	94,789	318,606	153,548	332	18,100
7599 Maintenance / other	-	293,992	-	-	-	-
7605 Engineering fees	72,852	213,720	246,092	61,128	112,830	-
7630 Construction contractor services	-	-	-	-	(28,542)	-
7645 Maintenance services	3,586	3,247	4,570	4,585	19,773	6,000
7655 Hauling Services	-	-	-	61,128	308	10,672
7699 Other services	446,870	1,056	41,245	15,282	58,151	-
7801 Communication equipment	1,151	996	9,396	1,528	385	-
7805 Computer equipment	-	-	-	-	1,031	-
7820 Office furniture & equipment	3,772	2,703	182	1,070	904	-
7830 Pumping equipment	290	15,465	9,307	2,445	200	1,000
7835 Tools, shop and garage equipment	233	2,238	3,215	1,528	906	200
7899 Other minor tools & equipment	5,764	2,826	1,552	1,528	871	200
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>1,092,646</i>	<i>1,141,850</i>	<i>1,048,197</i>	<i>484,712</i>	<i>459,606</i>	<i>228,739</i>
	<b>\$ 1,705,909</b>	<b>\$ 1,988,617</b>	<b>\$ 1,994,290</b>	<b>\$ 1,048,587</b>	<b>\$ 1,235,309</b>	<b>\$ 1,000,000</b>



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)

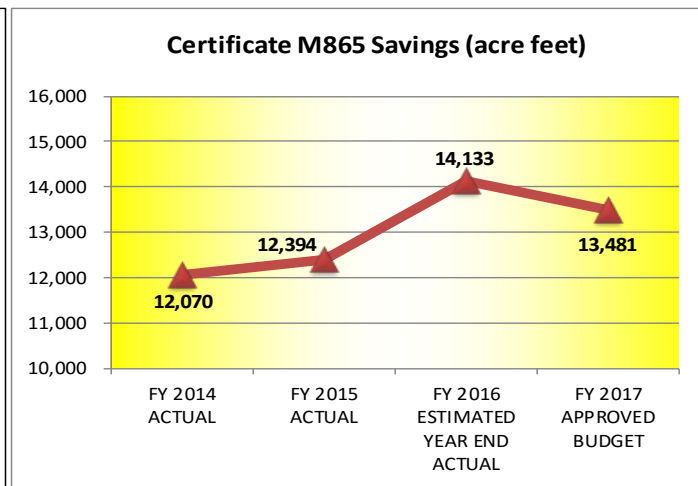
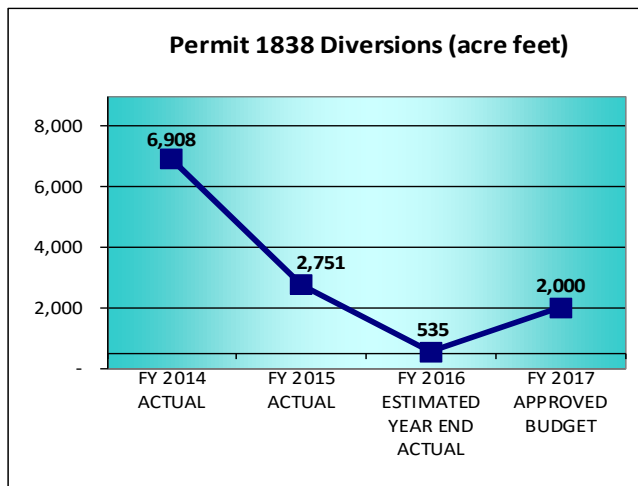
**OUTCOME MEASURES**

Permit 1838 Diversions (acre feet)

**EFFICIENCY MEASURES**

Certificate M865 Savings (acre feet)

	FY 2014 ACTUAL	FY 2015 ACTUAL	FY 2016 ESTIMATED YEAR END ACTUAL	FY 2017 APPROVED BUDGET
Employees (FTE's)	4	4	4	4
O&M Expenses	\$ 346,835	\$ 467,096	\$ 401,452	\$ 496,852
Certificate M865 Water Rights (acre feet)	29,285	31,133	31,133	31,133
River Water Diversions to Reservoirs (acre feet)	24,123	20,736	20,000	21,619
Raw Water Diversions to Resacas (acre feet)	6,906	4,726	4,170	5,000
Certificate M865 Diversions (acre feet)	17,215	18,739	17,000	17,651
Permit 1838 Diversions (acre feet)	6,908	2,751	535	2,000
Certificate M865 Savings (acre feet)	12,070	12,394	14,133	13,481





## DEPARTMENT 3140 – RAW WATER SUPPLY

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6115 Operational staff	\$ 108,280	\$ 71,995	\$ 116,623	\$ 119,683	\$ 114,287	\$ 118,456
6130 Overtime	11,132	2,697	7,899	8,357	5,395	13,155
6201 T.M.R.S.	19,810	10,648	18,668	15,046	19,915	20,955
6205 F.I.C.A.	8,325	4,490	8,090	7,420	6,993	7,344
6210 Medicare	1,947	1,050	1,892	1,735	1,635	1,718
6214 Dental Insurance	850	576	986	1,210	1,049	1,210
6215 Hospitalization insurance	18,889	13,492	27,259	32,084	31,248	36,897
6220 Life Insurance	151	103	169	981	174	141
6221 Long Term Disability Insurance	274	186	304	419	307	237
6225 Workers Compensation	3,697	1,867	3,439	2,992	3,057	2,961
6230 Vacation leave	4,607	(2,518)	2,137	2,197	(92)	1,433
6235 Sick leave	12,495	(12,945)	8,085	2,415	2,276	1,575
6260 Vacancy Savings	-	-	-	(9,079)	-	(9,469)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>190,456</u>	<u>91,640</u>	<u>195,551</u>	<u>185,461</u>	<u>186,244</u>	<u>196,613</u>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	100	74	100
7110 Dues & memberships	283	311	221	500	398	600
7120 Office supplies	89	568	405	500	592	1,000
7130 Postage/shipping charges	-	-	21	100	-	100
7140 Training expenses	610	-	770	1,600	695	2,075
7145 Travel expenses	187	(34)	85	400	64	214
7180 Utilities - departmental	171,640	173,707	154,354	165,000	141,424	165,000
7190 Utilities - CP&L & Mvec	330	408	-	950	-	-
7190 Utilities - CP&L & Mvec	-	-	427	-	407	950
7203 Sand, Caliche, Gravel, Concrete etc	-	-	4,139	15,000	13,228	18,500
7225 Safety supplies	7	631	1,093	600	499	1,400
7251 Purchased of Raw Water	49,122	31,540	12,494	25,000	15,195	25,000
7285 Chemicals - copper sulphate	-	2,311	-	5,000	2,700	5,000
7293 Chemicals - other	-	-	-	1,000	57	1,000
7299 Other materials & supplies	11,787	5,991	11,696	8,000	9,689	10,000
7315 Food, meals, ice, water	145	75	81	300	49	300
7325 Rental of equip/storage/land	-	-	80	750	-	750
7335 Wearing apparel & dry goods	1,520	610	951	1,000	1,559	1,200
7415 Fuels & lubricants	24,444	18,624	12,926	15,000	8,272	15,000
7580 Maint. of reservoirs	-	-	38,675	10,000	5,930	10,000
7581 Maint. of resacas	-	-	-	-	-	5,000
7605 Engineering fees	30,712	13,809	-	18,000	-	10,000
7645 Maintenance services	-	5,869	11,493	5,000	2,149	6,000
7699 Other services	440	-	760	2,000	3,021	3,000
7805 Computer equipment	-	150	-	500	-	500
7820 Office furniture & equipment	-	-	766	550	400	550
7830 Pumping equipment	-	599	18,847	15,000	4,903	15,000
7835 Tools, shop and garage equipment	-	-	496	500	790	1,000
7899 Other minor tools & equipment	-	25	769	750	3,112	1,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>291,315</u>	<u>255,195</u>	<u>271,545</u>	<u>293,100</u>	<u>215,208</u>	<u>300,239</u>
	<b>\$ 481,771</b>	<b>\$ 346,835</b>	<b>\$ 467,096</b>	<b>\$ 478,561</b>	<b>\$ 401,452</b>	<b>\$ 496,852</b>



**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**

**WATER & WASTEWATER PLANT MAINTENANCE DEPARTMENT**

**Department Function:**

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

**Department Goals/Objectives:**

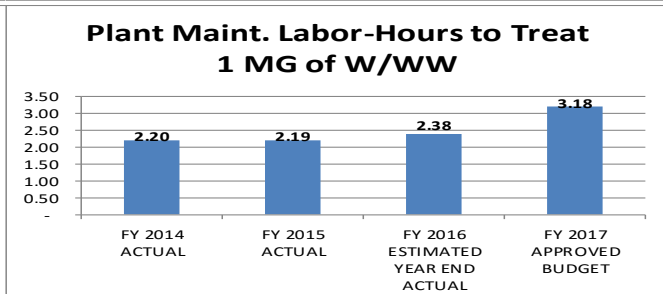
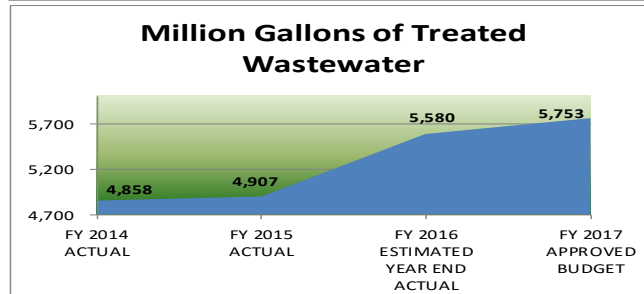
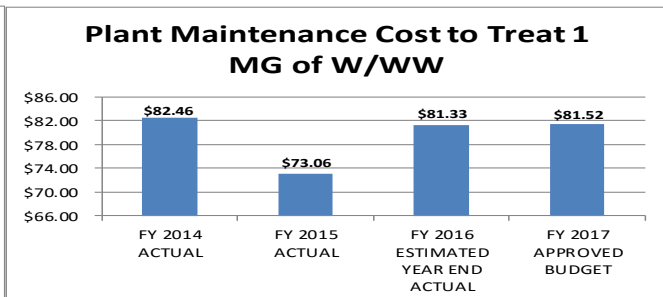
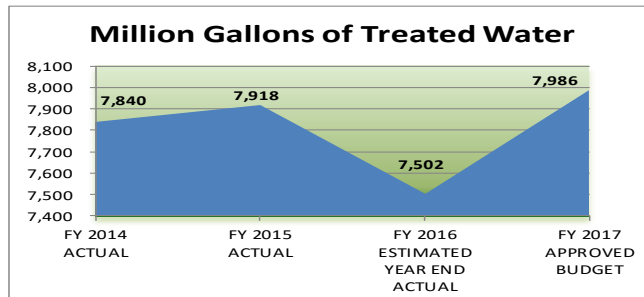
The W/WW Plant Maintenance Department's goal is to provide a highly reliable and efficient mechanical maintenance service to its internal BPUB customers, namely the Water and Wastewater Treatment Plants and their Operators.

	<b>FY 2014 ACTUAL</b>	<b>FY 2015 ACTUAL</b>	<b>FY 2016 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2017 APPROVED BUDGET</b>
<b>INPUT MEASURES</b>				
O&M Expenditures	\$ 1,066,212	\$ 1,078,039	\$ 1,099,088	\$ 1,305,075
Labor-Hours	30,737	28,128	31,200	43,680
Overtime labor factor*	17	12	13	14
<b>OUTPUT MEASURES</b>				
Million Gallons of Treated Water	7,840	7,918	7,502	7,986
Thousands of Customers Served (water)	50	50	50	50
Million Gallons of Treated Wastewater	4,858	4,907	5,580	5,753
Thousands of Customers Served (wastewater)	49	49	50	50
<b>OUTCOME MEASURES</b>				
Maintenance-related TCEQ Nov (water)	0	0	0	0
Maintenance-related TCEQ Nov (wastewater)	0	0	0	0
Water Plant PM Status**	33	38	37	36
Wastewater Plant PM Status**	32	37	37	36
<b>EFFICIENCY MEASURES</b>				
Plant Maintenance Cost Per Customer/ Year	\$ 212.01	\$ 187.84	\$ 212.80	\$ 223.99
Plant Maint. Labor-Hours Per Customer/Yr	0.57	0.56	0.62	0.87
Plant Maintenance Cost to Treat 1 MG of W/WW	\$ 82.46	\$ 73.06	\$ 81.33	\$ 81.52
Plant Maint. Labor-Hours to Treat 1 MG of W/WW	2.20	2.19	2.38	3.18

NOTE: (For FY 2017 Proposed Budget-# of Customers Served Water (50,005) and Wastewater (49,777))

\*Overtime Labor Factor = Labor-hours of overtime/100

\*\*W/WW Plant PM Status = Thousands of customers served minus number of TCEQ non-compliance notices - overtime labor factor



## DEPARTMENT 3145 - WATER & WASTEWATER PLANT MAINTENANCE

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 55,433	\$ 58,104	\$ 58,898	\$ 58,677	\$ 58,747	\$ 58,677
6105 Administrative Staff	65,136	77,805	50,383	92,498	50,545	50,190
6110 Clerical staff	11,406	-	-	-	-	-
6115 Operational staff	388,258	401,571	377,033	417,934	382,056	404,435
6130 Overtime	24,173	33,615	24,672	20,128	42,671	25,748
6201 T.M.R.S.	79,955	81,887	70,709	71,542	92,564	90,803
6205 F.I.C.A.	32,323	34,063	30,617	35,285	32,886	31,825
6206 Suta	6,160	2,583	-	-	-	-
6210 Medicare	7,559	7,966	7,161	8,252	7,691	7,443
6214 Dental Insurance	3,692	3,586	3,091	4,235	3,177	3,931
6215 Hospitalization insurance	100,158	95,651	88,041	112,877	99,610	126,175
6220 Life Insurance	730	752	681	4,667	692	571
6221 Long Term Disability Insurance	1,361	1,407	1,280	1,992	1,300	1,027
6225 Workers Compensation	15,094	14,364	13,002	14,228	14,113	12,833
6230 Vacation leave	(1,048)	3,785	2,460	9,948	1,721	6,211
6235 Sick leave	(1,654)	3,774	5,997	10,935	4,205	6,827
6260 Vacancy Savings	-	-	-	(41,109)	-	(39,280)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>788,736</b>	<b>820,914</b>	<b>734,024</b>	<b>822,089</b>	<b>791,980</b>	<b>787,415</b>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	49	379	-	500	-	500
7110 Dues & memberships	460	344	616	1,600	189	1,600
7120 Office supplies	3,497	2,502	2,082	3,800	2,188	3,800
7130 Postage/shipping charges	-	14	11	200	-	200
7140 Training expenses	1,690	1,717	2,361	13,000	1,095	13,000
7145 Travel expenses	1,135	748	-	4,072	373	3,940
7225 Safety supplies	4,582	6,741	15,762	7,500	7,169	14,883
7299 Other materials & supplies	47,412	53,708	53,442	43,000	60,318	56,217
7315 Food, meals, ice, water	341	221	204	800	320	800
7325 Rental of equip/storage/land	1,328	3,887	1,524	3,750	3,173	5,826
7335 Wearing apparel & dry goods	6,426	4,163	5,293	3,900	4,797	4,121
7415 Fuels & lubricants	20,211	18,836	23,874	19,000	18,836	19,000
7515 Maint. of major equipment	21,975	27,279	29,210	-	-	-
7645 Maintenance services	46,083	98,812	174,248	123,200	175,256	356,274
7801 Communication equipment	-	-	14,165	16,700	11,872	-
7805 Computer equipment	45	-	-	8,947	-	-
7806 Software licenses - new	-	-	295	1,248	-	-
7820 Office furniture & equipment	218	3,009	-	1,200	1,105	400
7835 Tools, shop and garage equipment	3,910	21,117	19,936	17,000	11,949	21,700
7899 Other minor tools & equipment	1,230	1,819	992	14,000	8,468	15,400
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>160,594</b>	<b>245,297</b>	<b>344,015</b>	<b>283,417</b>	<b>307,108</b>	<b>517,660</b>
	<b>\$ 949,331</b>	<b>\$ 1,066,212</b>	<b>\$ 1,078,039</b>	<b>\$ 1,105,506</b>	<b>\$ 1,099,088</b>	<b>\$ 1,305,075</b>



**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**

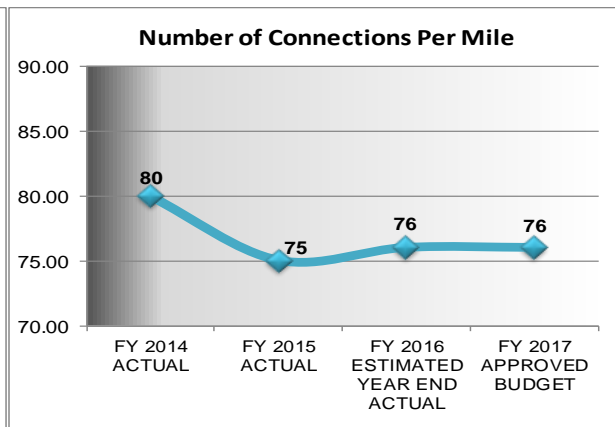
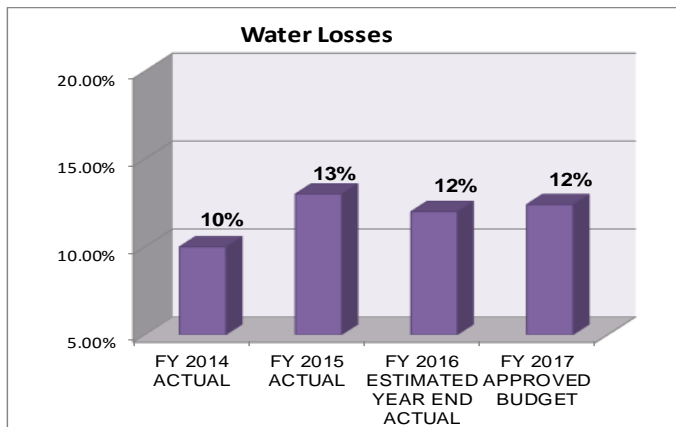
**Department Function:**

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.

	<b>FY 2014 ACTUAL</b>	<b>FY 2015 ACTUAL</b>	<b>FY 2016 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2017 APPROVED BUDGET</b>
<b>INPUT MEASURES</b>				
Employees	34	34	33	33
O&M Expenses	\$ 4,400,794	\$ 4,867,291	\$ 4,905,123	\$ 5,019,998
Miles of Water & Wastewater Mains	1,300	1,300	1,300	1,298
Number of Service Requests	16,500	16,065	16,230	16,498
Number of Service Orders	16,400	5,902	7,423	8,809
Overtime Expenses	\$ -	\$ 130,000	\$ 160,000	\$ 165,000
<b>OUTPUT MEASURES</b>				
Water Mains/Service Line # of Repairs	2,800	2,354	874	1,066
Wastewater Line # of Repairs	3,200	445	490	535
Number of W/WW Service Connections	103,379	97,215	99,782	99,782
<b>OUTCOME MEASURES</b>				
Ongoing Maintenance	YES	YES	YES	YES
Average Response Time Per Call	90min.	90min.	90min.	90min.
Water Losses	10%	13%	12%	12%
Number of Connections Per Mile	80	75	76	76
<b>EFFICIENCY MEASURES</b>				
Estimated Expenses W/WW Main Lines	\$ 2,015,695	\$ 2,053,811	\$ 1,875,655	\$ 2,519,236
Turnaround Time Per New Connection (days)	10	10	10	10
Cost per Customer per W/WW Connection	\$ 3,927	\$ 2,810	\$ 3,272	\$ 3,272



**DEPARTMENT 3150 - WATER & WASTEWATER OPERATIONS AND CONSTRUCTION**

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 117,853	\$ 173,309	\$ 156,716	\$ 129,251	\$ 160,276	\$ 115,826
6110 Clerical staff	66,921	72,290	74,108	72,613	73,329	72,613
6115 Operational staff	1,213,953	1,300,466	1,275,948	1,438,408	1,323,585	1,436,389
6130 Overtime	92,997	140,710	242,481	200,928	172,988	164,997
6201 T.M.R.S.	217,106	236,133	239,817	206,189	289,475	287,432
6205 F.I.C.A.	89,048	99,434	105,733	101,697	103,931	100,739
6206 Suta	-	448	5,468	-	10,032	-
6210 Medicare	20,826	23,255	24,728	23,784	24,307	23,560
6214 Dental Insurance	13,602	14,486	14,243	18,133	14,415	17,299
6215 Hospitalization insurance	343,864	350,848	344,569	430,327	403,692	488,105
6220 Life Insurance	2,084	2,247	2,188	13,325	2,329	1,947
6221 Long Term Disability Insurance	3,647	3,938	3,830	5,741	4,102	3,250
6225 Workers Compensation	41,928	42,613	45,296	41,007	44,375	40,621
6230 Vacation leave	5,069	7,921	2,455	30,014	10,329	19,240
6235 Sick leave	(14,069)	4,180	(3,350)	32,990	(2,175)	21,148
6260 Vacancy Savings	-	-	-	(124,024)	-	(126,798)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>2,214,827</i>	<i>2,472,276</i>	<i>2,534,230</i>	<i>2,620,383</i>	<i>2,634,989</i>	<i>2,666,369</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	265	-	-	-	-
7110 Dues & memberships	1,478	905	2,301	1,500	1,493	1,500
7120 Office supplies	6,518	6,242	6,302	5,000	6,874	5,000
7125 Photo equipment/supplies	192	-	-	250	-	-
7130 Postage/shipping charges	118	92	65	300	-	-
7140 Training expenses	4,384	2,598	7,230	3,950	10,416	15,000
7145 Travel expenses	300	1,560	1,095	3,950	4,001	8,000
7180 Utilities - departmental	36,733	39,459	47,051	39,000	44,214	39,000
7201 Barricades & signs	1,792	1,922	1,795	3,500	1,580	3,500
7203 Sand, Caliche, Gravel, Concrete etc	134,326	125,777	251,333	205,000	234,004	205,000
7210 Landscaping/Trade a Tree Program	3,210	2,002	5,405	5,000	1,986	5,000
7215 Laundry & janitorial supplies	44	32	33	700	158	700
7225 Safety supplies	9,316	21,608	34,949	32,000	25,743	32,000
7293 Chemicals - other	876	1,121	1,550	1,500	1,480	1,500
7299 Other materials & supplies	221,921	248,043	313,709	265,000	285,393	293,000
7315 Food, meals, ice, water	2,580	2,227	2,008	2,000	2,059	2,600
7325 Rental of equip/storage/land	6,669	2,439	3,159	7,500	9,699	7,500
7335 Wearing apparel & dry goods	25,668	20,696	28,233	24,000	23,106	24,000
7415 Fuels & lubricants	168,958	189,222	174,480	180,000	118,586	180,000
7501 Maint. of buildings & structures	5,475	6,707	3,586	5,000	3,966	5,000
7505 Maint. of communication equipment	260	561	488	925	482	900
7515 Maint. of major equipment	2,934	11,670	20	13,000	2,844	13,000
7520 Maint. of minor equipment	1,753	1,710	4,181	3,500	3,681	3,500
7575 Maint. of water meters	207,036	218,467	178,775	200,000	361,365	290,000
7577 Maint. of distribution mains	117,088	129,656	147,029	120,000	162,839	120,000
7585 Maint. of sewer force mains	20,201	18,846	21,814	30,000	6,594	30,000
7586 Maint. of sewer gravity lines	57,737	145,077	184,828	140,000	36,947	140,000
7599 Maintenance / other	13,954	20,943	14,499	22,000	10,368	22,000
7630 Construction contractor services	162,922	306,237	393,826	290,000	286,328	242,989
7635 Software maintenance service fees	-	-	-	3,500	-	3,500
7645 Maintenance services	360	317	-	1,150	742	1,600
7655 Hauling Services	94,301	115,850	127,591	112,000	78,211	112,000
7699 Other services	356,058	233,130	308,963	205,000	475,588	440,000
7801 Communication equipment	-	-	19,755	30,000	20,407	25,000
7805 Computer equipment	482	-	-	5,400	1,284	5,400
7820 Office furniture & equipment	2,483	1,476	1,213	17,000	14,539	-
7899 Other minor tools & equipment	82,307	51,659	45,797	75,440	33,159	75,440
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>1,750,435</i>	<i>1,928,518</i>	<i>2,333,061</i>	<i>2,054,065</i>	<i>2,270,134</i>	<i>2,353,629</i>
	<b>\$ 3,965,262</b>	<b>\$ 4,400,794</b>	<b>\$ 4,867,291</b>	<b>\$ 4,674,448</b>	<b>\$ 4,905,123</b>	<b>\$ 5,019,998</b>



**BROWNSVILLE  
PUBLIC UTILITIES BOARD**



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

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

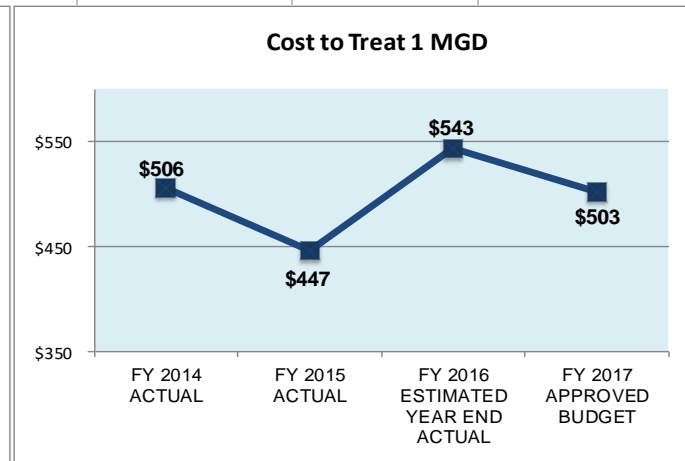
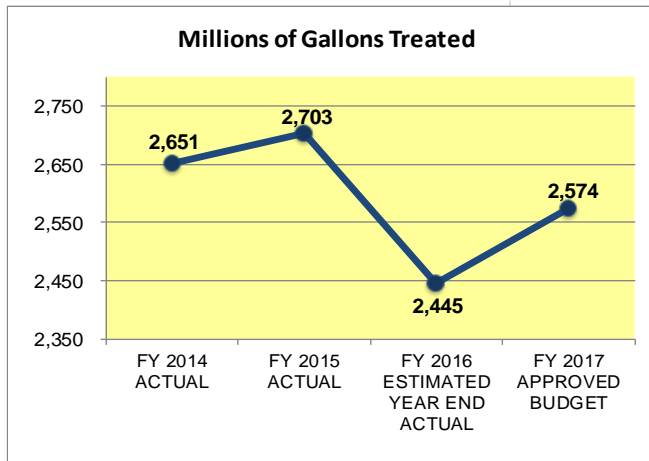
**Department Function:**

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.

	<b>FY 2014 ACTUAL</b>	<b>FY 2015 ACTUAL</b>	<b>FY 2016 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2017 APPROVED BUDGET</b>
<b>INPUT MEASURES</b>				
Employees	9	9	10	10
O&M Expenses	\$ 1,341,374	\$ 1,206,850	\$ 1,328,349	\$ 1,293,996
Dry Tons Sludge to Site	1,418	977	1,247	1,112
Gallons Treated	2,651,362,000	2,702,505,000	2,445,107,000	2,573,806,000
<b>OUTPUT MEASURES</b>				
Reports Produced	18	18	18	18
Annual Statistical Reports	1	1	1	1
Operational Budget Reports Produced	12	12	12	12
<b>OUTCOME MEASURES</b>				
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	\$ 506	\$ 447	\$ 543	\$ 503
<b>EFFICIENCY MEASURES</b>				
Average CBOD % Removal mg/l	99.0	99.0	99.0	99.0
Average TSS % Removal mg/l	97.0	98.0	99.0	99.0



## DEPARTMENT 3210 - SOUTH WASTEWATER TREATMENT PLANT

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 51,174	\$ 53,451	\$ 54,184	\$ 53,976	\$ 54,391	\$ 53,976
6115 Operational staff	239,541	279,042	294,618	289,952	271,016	270,629
6130 Overtime	23,021	26,002	25,492	23,725	27,104	24,143
6201 T.M.R.S.	45,769	51,114	50,968	43,232	59,748	57,423
6205 F.I.C.A.	18,960	21,485	22,148	21,324	21,217	20,125
6210 Medicare	4,434	5,025	5,180	4,987	4,962	4,707
6214 Dental Insurance	2,310	2,478	2,679	3,025	2,459	3,024
6215 Hospitalization insurance	56,886	65,061	74,399	85,216	79,173	95,624
6220 Life Insurance	411	464	493	2,820	459	375
6221 Long Term Disability Insurance	748	849	897	1,204	835	649
6225 Workers Compensation	8,589	8,962	9,358	8,598	9,128	8,115
6230 Vacation leave	3,545	(3,449)	1,110	6,223	1,916	3,806
6235 Sick leave	8,819	(12,094)	276	6,841	11,888	4,183
6260 Vacancy Savings	-	-	-	(25,717)	-	(25,134)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>464,208</u>	<u>498,391</u>	<u>541,800</u>	<u>525,405</u>	<u>544,296</u>	<u>521,645</u>
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	116	560	444	750	566	1,000
7120 Office supplies	626	153	859	1,100	1,040	1,100
7130 Postage/shipping charges	4,162	3,949	4,181	3,500	7,732	6,500
7140 Training expenses	1,220	1,540	1,917	3,500	1,656	3,500
7145 Travel expenses	736	630	314	1,400	1,023	1,400
7180 Utilities - departmental	409,435	480,691	455,499	460,000	461,577	468,000
7201 Barricades & signs	-	490	-	500	-	500
7203 Sand, Caliche, Gravel, Concrete etc	-	-	-	5,000	34,335	15,000
7215 Laundry & janitorial supplies	639	106	120	600	132	600
7225 Safety supplies	1,629	914	695	500	1,187	500
7283 Chemicals - chlorine	71,440	46,323	59,292	55,000	67,732	63,714
7293 Chemicals - other	57,651	49,345	38,360	51,000	39,282	51,000
7299 Other materials & supplies	37,414	17,681	9,713	16,000	11,063	16,000
7315 Food, meals, ice, water	410	408	602	750	513	750
7325 Rental of equip/storage/land	43,347	50,869	2,163	12,200	2,417	12,200
7335 Wearing apparel & dry goods	5,005	2,684	3,942	2,800	3,847	2,800
7415 Fuels & lubricants	17,453	23,364	14,738	23,500	7,812	20,500
7515 Maint. of major equipment	-	3,895	-	15,000	38,746	9,500
7520 Maint. of minor equipment	3,484	1,322	1,153	1,500	470	1,500
7645 Maintenance services	98,658	109,637	39,603	55,500	62,523	47,687
7655 Hauling Services	35,911	4,600	-	5,500	-	-
7699 Other services	19,992	22,218	25,494	12,100	23,731	30,100
7801 Communication equipment	-	5,153	-	-	3,026	-
7810 Laboratory equipment	362	2,318	375	4,500	3,440	4,500
7820 Office furniture & equipment	680	242	-	-	-	-
7830 Pumping equipment	15,665	11,127	5,056	15,000	10,175	10,000
7899 Other minor tools & equipment	474	2,764	529	4,000	27	4,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>826,509</u>	<u>842,983</u>	<u>665,050</u>	<u>751,200</u>	<u>784,053</u>	<u>772,351</u>
	<u>\$ 1,290,717</u>	<u>\$ 1,341,374</u>	<u>\$ 1,206,850</u>	<u>\$ 1,276,605</u>	<u>\$ 1,328,349</u>	<u>\$ 1,293,996</u>



**BROWNSVILLE  
PUBLIC UTILITIES BOARD**



**Department Responsibility:** Jose G. Ibarra Jr.  
**Title:** Wastewater Treatment Mgr.  
**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

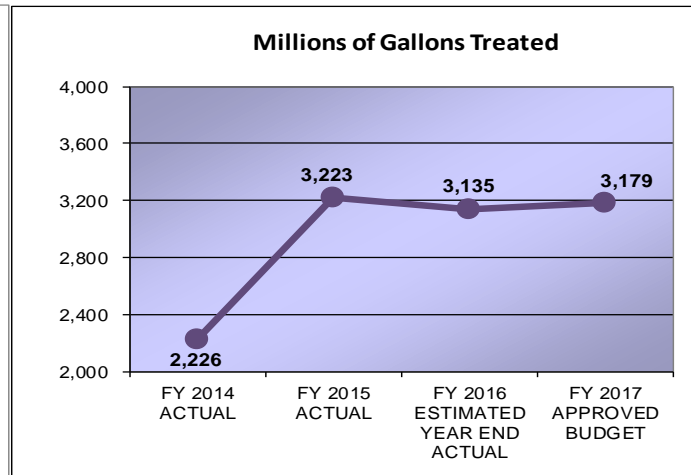
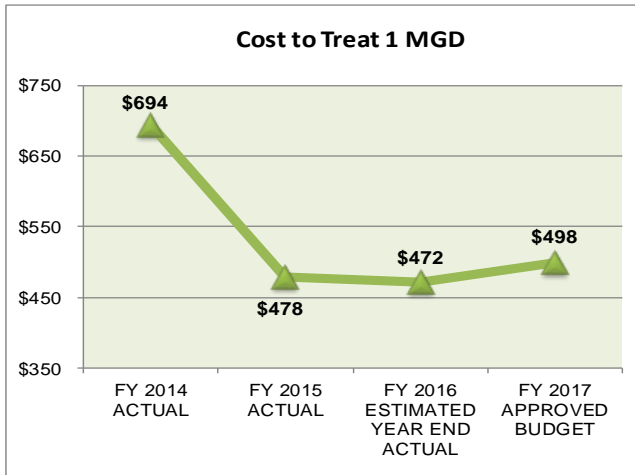
**OUTCOME MEASURES**

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

**EFFICIENCY MEASURES**

Average BOD % Removal mg/l  
Average TSS % Removal mg/l

	<b>FY 2014 ACTUAL</b>	<b>FY 2015 ACTUAL</b>	<b>FY 2016 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2017 APPROVED BUDGET</b>
Employees	12	12	11	11
O&M Expenses	\$ 1,545,107	\$ 1,541,478	\$ 1,478,345	\$ 1,584,750
Dry Tons Sludge to Site	1,188	1,349	1,134	1,242
Gallons Treated	2,226,346,000	3,223,379,000	3,135,047,000	3,179,213,000
<b>OUTPUT MEASURES</b>				
Monthly Reports Produced	18	18	18	18
Annual Statistical Reports	1	1	1	1
Operational Budget Reports Produced	12	12	12	12
<b>OUTCOME MEASURES</b>				
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	\$ 694	\$ 478	\$ 472	\$ 498
<b>EFFICIENCY MEASURES</b>				
Average BOD % Removal mg/l	98.0	99.0	99.0	99.0
Average TSS % Removal mg/l	96.0	97.0	97.0	98.0





**DEPARTMENT 3220 - ROBINDALE WASTEWATER TREATMENT PLANT**

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 133,006	\$ 138,931	\$ 140,836	\$ 140,296	\$ 141,177	\$ 140,296
6110 Clerical staff	31,191	31,845	32,018	31,824	31,848	31,824
6115 Operational staff	184,098	212,526	252,907	249,330	254,374	237,661
6130 Overtime	37,506	58,991	20,512	22,461	32,415	22,469
6201 T.M.R.S.	58,393	63,508	60,731	52,976	76,952	72,490
6205 F.I.C.A.	23,945	26,932	26,918	26,130	27,907	25,406
6210 Medicare	5,600	6,299	6,295	6,111	6,527	5,942
6214 Dental Insurance	2,646	2,628	2,917	3,328	2,889	3,326
6215 Hospitalization insurance	68,664	64,901	71,704	82,180	80,290	96,883
6220 Life Insurance	493	527	592	3,456	591	464
6221 Long Term Disability Insurance	905	979	1,100	1,475	1,098	820
6225 Workers Compensation	11,107	11,150	11,157	10,536	11,602	10,245
6230 Vacation leave	3,083	5,687	618	7,352	(1,872)	5,045
6235 Sick leave	(2,399)	30,778	7,171	8,082	(11,398)	5,545
6260 Vacancy Savings	-	-	-	(30,382)	-	(31,496)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>558,239</i>	<i>655,681</i>	<i>635,477</i>	<i>615,154</i>	<i>654,399</i>	<i>626,920</i>
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	187	836	972	900	735	900
7120 Office supplies	1,895	1,832	1,221	1,100	994	1,100
7125 Photo equipment/supplies	-	16	-	-	-	-
7130 Postage/shipping charges	4,109	2,164	2,114	2,500	2,156	2,500
7140 Training expenses	1,549	1,070	2,930	3,500	3,351	3,500
7145 Travel expenses	806	511	819	1,400	1,884	1,400
7180 Utilities - departmental	395,915	531,605	577,226	466,000	563,512	514,800
7201 Barricades & signs	-	505	216	500	170	500
7203 Sand, Caliche, Gravel, Concrete etc	2,099	2,814	-	4,000	35,370	15,000
7215 Laundry & janitorial supplies	1,070	394	355	600	462	600
7225 Safety supplies	4,176	1,498	1,783	2,000	1,918	2,000
7279 Ultraviolet light system expenses	-	-	-	-	-	121,430
7283 Chemicals - chlorine	57,586	22,053	-	-	-	-
7286 Chemicals - deodorants	-	-	-	500	463	700
7293 Chemicals - other	90,176	41,068	28,608	60,000	34,074	64,000
7299 Other materials & supplies	67,165	41,806	30,708	39,850	11,419	39,850
7315 Food, meals, ice, water	305	435	559	600	561	600
7325 Rental of equip/storage/land	48,351	57,746	2,558	19,350	3,384	19,350
7335 Wearing apparel & dry goods	3,195	2,879	3,381	2,800	3,573	2,800
7415 Fuels & lubricants	17,553	8,933	9,977	7,500	10,136	7,500
7515 Maint. of major equipment	-	8,456	26,723	42,000	40,382	42,000
7520 Maint. of minor equipment	5,170	2,055	5,933	5,000	4,386	5,000
7605 Engineering fees	-	-	-	-	1,000	-
7645 Maintenance services	74,152	93,116	120,847	85,000	62,058	52,600
7655 Hauling Services	46,101	16,616	15,625	15,000	-	1,500
7699 Other services	20,196	31,136	63,776	30,000	28,686	32,600
7810 Laboratory equipment	726	6,191	1,489	5,000	2,137	5,000
7820 Office furniture & equipment	566	1,892	298	-	50	1,600
7830 Pumping equipment	7,302	11,208	6,870	21,000	10,379	15,000
7899 Other minor tools & equipment	-	591	1,013	5,000	705	4,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>850,347</i>	<i>889,426</i>	<i>906,001</i>	<i>821,100</i>	<i>823,946</i>	<i>957,830</i>
	<b>\$ 1,408,586</b>	<b>\$ 1,545,107</b>	<b>\$ 1,541,478</b>	<b>\$ 1,436,254</b>	<b>\$ 1,478,345</b>	<b>\$ 1,584,750</b>



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

**Department Goals/Objectives:**

The 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	\$ 4,171,002	\$ 4,018,535	\$ 4,146,070	\$ 3,689,779
Power expenditures	\$ 410,931.00	\$ 415,040.00	\$ 585,231.00	\$ 624,396.00
Kilo-watt-hour usage	3,797,573	3,835,549	4,876,548	5,202,895
Labor-hours*	65,352	66,006	64,480	64,480
Number of emergency mechanical repairs (LS Alarms)	189	191	182	209

**OUTPUT MEASURES**

Million gallons of pumped wastewater	4,858	4,907	5,580	5,753
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**OUTCOME MEASURES**

Number of customers served	49,342	49,342	49,777	50,523
Number of customers satisfied*	48,664	49,151	49,595	50,314

**EFFICIENCY MEASURES**

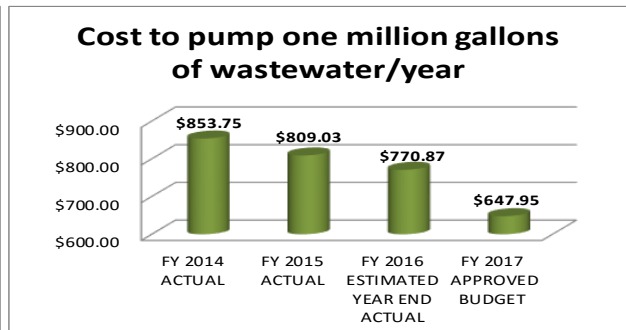
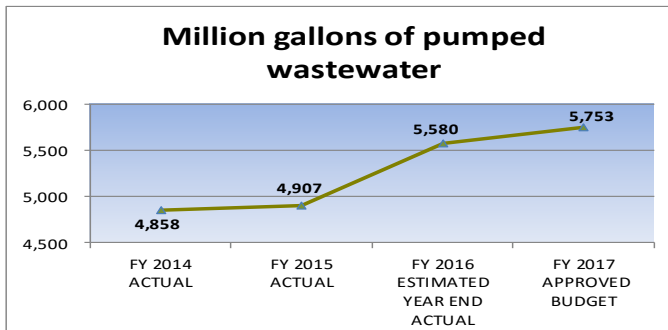
Kilo-watt-hours to pump ww from one customer/year	78	78	98	103
Labor-hours to pump ww every 1000 customer/year	1,338	1,338	1,295	1,276
Cost to pump wastewater from one customer/year	\$ 84.90	\$ 80.45	\$ 86.41	\$ 73.78
Cost to pump one million gallons of wastewater/year	\$ 853.75	\$ 809.03	\$ 770.87	\$ 647.95
Percent of satisfied customers/year	99.6%	99.6%	99.6%	99.6%
No. of emergency repairs every 1000 customers/year	3.9	3.9	3.7	4.1

	<b>FY 2014 ACTUAL</b>	<b>FY 2015 ACTUAL</b>	<b>FY 2016 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2017 APPROVED BUDGET</b>
<b>INPUT MEASURES</b>				
O&M expenditures	\$ 4,171,002	\$ 4,018,535	\$ 4,146,070	\$ 3,689,779
Power expenditures	\$ 410,931.00	\$ 415,040.00	\$ 585,231.00	\$ 624,396.00
Kilo-watt-hour usage	3,797,573	3,835,549	4,876,548	5,202,895
Labor-hours*	65,352	66,006	64,480	64,480
Number of emergency mechanical repairs (LS Alarms)	189	191	182	209
<b>OUTPUT MEASURES</b>				
Million gallons of pumped wastewater	4,858	4,907	5,580	5,753
<b>OUTCOME MEASURES</b>				
Number of customers served	49,342	49,342	49,777	50,523
Number of customers satisfied*	48,664	49,151	49,595	50,314
<b>EFFICIENCY MEASURES</b>				
Kilo-watt-hours to pump ww from one customer/year	78	78	98	103
Labor-hours to pump ww every 1000 customer/year	1,338	1,338	1,295	1,276
Cost to pump wastewater from one customer/year	\$ 84.90	\$ 80.45	\$ 86.41	\$ 73.78
Cost to pump one million gallons of wastewater/year	\$ 853.75	\$ 809.03	\$ 770.87	\$ 647.95
Percent of satisfied customers/year	99.6%	99.6%	99.6%	99.6%
No. of emergency repairs every 1000 customers/year	3.9	3.9	3.7	4.1

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 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 63,494	\$ 99,629	\$ 110,630	\$ 139,630	\$ 76,834	\$ 134,701
6110 Clerical staff	-	15,529	25,607	24,960	25,291	24,960
6115 Operational staff	777,217	880,174	821,877	971,922	925,468	984,048
6130 Overtime	52,748	110,072	132,683	105,397	111,483	116,604
6201 T.M.R.S.	132,122	159,831	151,245	142,869	191,625	202,322
6205 F.I.C.A.	54,472	67,327	66,302	70,464	68,605	70,910
6206 Suta	1,115	8,843	1,715	-	-	-
6210 Medicare	12,739	15,746	15,506	16,479	16,045	16,584
6214 Dental Insurance	7,508	8,216	7,598	10,588	8,317	10,583
6215 Hospitalization insurance	186,780	206,404	196,669	259,641	239,519	308,427
6220 Life Insurance	1,207	1,416	1,375	9,306	1,475	1,325
6221 Long Term Disability Insurance	2,166	2,568	2,500	3,978	2,658	2,287
6225 Workers Compensation	24,796	28,063	27,775	28,413	29,001	28,593
6230 Vacation leave	24,557	20,950	2,459	20,307	5,134	13,486
6235 Sick leave	22,426	34,652	(5,766)	22,321	47,059	14,824
6240 Educational assistance	-	200	-	-	-	-
6260 Vacancy Savings	-	-	-	(83,912)	-	(86,980)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>1,363,347</u>	<u>1,659,619</u>	<u>1,558,174</u>	<u>1,742,362</u>	<u>1,748,514</u>	<u>1,842,674</u>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	282	256	150	-	150
7110 Dues & memberships	1,098	1,275	1,807	1,500	875	1,500
7120 Office supplies	2,393	2,781	3,391	2,500	2,676	2,500
7130 Postage/shipping charges	832	40	714	1,065	90	1,065
7140 Training expenses	2,025	810	2,125	5,625	8,375	5,530
7145 Travel expenses	1,324	736	310	2,100	3,755	1,960
7180 Utilities - departmental	340,952	470,573	523,497	490,000	498,298	490,000
7190 Utilities - CP&L & Mvec	82,684	108,890	-	85,000	-	-
7190 Utilities - CP&L & Mvec	-	-	105,438	-	98,532	100,000
7203 Sand, Caliche, Gravel, Concrete etc	2,150	2,775	1,277	3,500	-	3,500
7225 Safety supplies	8,187	3,352	4,066	4,000	2,477	4,000
7286 Chemicals - deodorants	158	4,504	6,413	6,556	7,225	6,556
7293 Chemicals - other	1,178,874	1,254,929	1,093,602	1,100,000	1,117,587	526,230
7299 Other materials & supplies	104,495	81,490	118,177	85,000	118,320	131,104
7310 Federal, state, & local fees	186	-	-	-	-	-
7315 Food, meals, ice, water	794	898	929	1,041	992	1,041
7325 Rental of equip/storage/land	1,789	7,814	6,062	7,500	25,170	20,900
7335 Wearing apparel & dry goods	12,837	8,978	12,632	8,000	12,343	12,000
7415 Fuels & lubricants	115,589	106,120	76,757	73,689	53,599	73,689
7505 Maint. of communication equipment	2,474	1,073	341	1,300	619	1,300
7515 Maint. of major equipment	-	15,430	20,394	-	-	-
7574 Maintenance of wells	12,452	3,617	2,673	3,000	12,053	14,000
7605 Engineering fees	29,830	72,163	100,043	70,000	89,838	100,000
7645 Maintenance services	206,213	188,068	190,145	175,000	178,915	181,521
7801 Communication equipment	-	227	-	-	-	-
7805 Computer equipment	-	750	1,044	490	780	490
7820 Office furniture & equipment	184	3,297	2,076	495	459	495
7830 Pumping equipment	61,728	149,940	163,128	120,000	146,814	150,000
7835 Tools, shop and garage equipment	-	7,608	9,034	12,000	6,015	2,083
7899 Other minor tools & equipment	31,115	12,962	14,031	14,000	11,748	15,491
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>2,200,361</u>	<u>2,511,383</u>	<u>2,460,361</u>	<u>2,273,511</u>	<u>2,397,556</u>	<u>1,847,105</u>
	<b>\$ 3,563,708</b>	<b>\$ 4,171,002</b>	<b>\$ 4,018,535</b>	<b>\$ 4,015,873</b>	<b>\$ 4,146,070</b>	<b>\$ 3,689,779</b>



Department Responsibility: Marie C. Leal, P.E.- Director of W/WW Eng. Planning & Operations  
 Department Manager: Omar Anzaldua Jr., P.E.- W/WW Eng. 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.

**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**

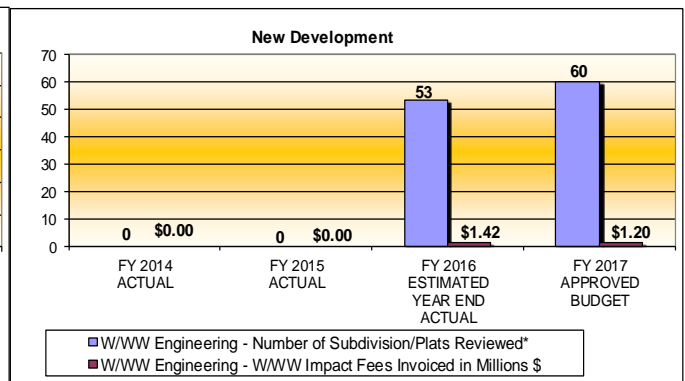
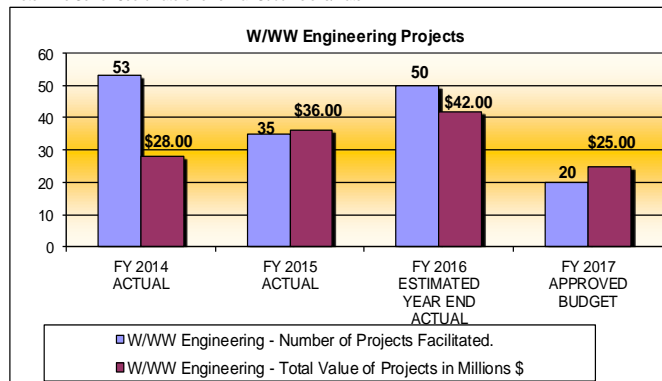
W/WW Engineering - Total Value of Projects in Millions \$  
 W/WW Engineering - W/WW Impact Fees Invoiced in Millions \$

**EFFICIENCY MEASURES**

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

	FY 2014 ACTUAL	FY 2015 ACTUAL	FY 2016 ESTIMATED YEAR END ACTUAL	FY 2017 APPROVED BUDGET
	8	8	8	8
	4	4	4	4
	53	35	50	20
	0	0	53	60
	\$28.00	\$36.00	\$42.00	\$25.00
	\$0.00	\$0.00	\$1.42	\$1.20
	\$ 2.33	\$ 3.00	\$ 3.50	\$ 2.08

\*Note-Two Senior Coordinators review all Subdivisions/Plats



## DEPARTMENT 3310 - WATER & WASTEWATER ENGINEERING

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 138,372	\$ 152,265	\$ 58,295	\$ 117,275	\$ 58,153	\$ 60,004
6105 Administrative Staff	433,996	394,270	373,765	402,517	257,548	380,253
6110 Clerical staff	184,432	220,849	168,066	157,448	109,852	134,322
6115 Operational staff	-	-	5,534	-	-	-
6130 Overtime	12,964	1,075	2,452	2,759	1,244	3,112
6140 Severance Pay	12,926	5,856	-	-	-	-
6201 T.M.R.S.	109,958	113,028	89,119	85,132	71,795	101,643
6205 F.I.C.A.	45,294	47,174	39,057	41,989	25,951	35,624
6206 Suta	2,090	8,701	-	-	-	-
6210 Medicare	10,594	11,033	9,134	9,820	6,069	8,331
6214 Dental Insurance	3,703	3,672	2,978	3,570	1,873	3,024
6215 Hospitalization insurance	102,774	106,557	85,170	100,748	55,215	90,001
6220 Life Insurance	1,041	1,014	814	5,553	563	596
6221 Long Term Disability Insurance	1,914	1,992	1,570	2,370	1,111	1,149
6225 Workers Compensation	21,878	20,150	17,837	16,931	11,206	14,364
6230 Vacation leave	27,382	8,420	4,592	11,415	(5,717)	6,929
6235 Sick leave	25,434	(3,704)	6,175	12,547	(11,376)	7,616
6260 Vacancy Savings	-	-	-	(47,168)	-	(41,368)
<i>O&amp;M PERSONNEL TOTAL</i>	1,134,753	1,092,351	864,556	922,905	583,487	805,601
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising	-	1,491	1,159	-	-	-
7105 Books & periodicals	-	740	2,317	1,500	1,500	2,003
7110 Dues & memberships	580	1,704	1,874	2,220	475	1,220
7115 Educational material	-	266	-	300	300	300
7120 Office supplies	10,783	11,496	9,619	12,000	8,354	12,000
7125 Photo equipment/supplies	321	-	-	800	465	-
7130 Postage/shipping charges	1,221	1,176	321	800	924	800
7140 Training expenses	3,680	4,497	3,518	7,720	111	7,720
7145 Travel expenses	4,921	4,053	1,294	4,900	804	4,900
7225 Safety supplies	760	436	350	1,000	495	1,000
7299 Other materials & supplies	2,521	683	1,120	1,500	827	1,500
7315 Food, meals, ice, water	1,176	1,198	1,372	1,450	912	1,450
7325 Rental of equip/storage/land	10,353	11,985	8,204	10,000	9,027	14,000
7330 Right of way fees	8,089	6,292	-	-	-	-
7335 Wearing apparel & dry goods	2,117	2,239	2,015	2,000	1,502	2,000
7415 Fuels & lubricants	20,063	21,029	14,678	17,000	10,507	17,000
7505 Maint. of communication equipment	-	-	-	400	-	400
7605 Engineering fees	91,876	90,253	44,274	62,000	172,130	85,000
7635 Software maintenance service fees	1,415	1,415	1,415	-	-	-
7645 Maintenance services	-	-	175	1,000	555	1,000
7699 Other services	8,080	208	2,497	3,125	30,622	25,000
7801 Communication equipment	495	162	209	400	-	400
7805 Computer equipment	-	179	179	1,960	218	-
7806 Software licenses - new	590	-	-	-	-	-
7820 Office furniture & equipment	939	971	525	1,600	974	1,600
7899 Other minor tools & equipment	-	3,149	-	2,000	1,235	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	169,977	165,623	97,116	135,675	241,936	179,293
	\$ 1,304,731	\$ 1,257,974	\$ 961,672	\$ 1,058,580	\$ 825,423	\$ 984,894



**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 and the Board of legislative matters, capital improvements, budget items, policies, and services offered to customers. The Director of Energy Services, Director of Operational Support Services, Director of Environmental Services, Director of Transmission, Distribution, Substations & Planning, and Director of Water & Wastewater Engineering, Planning & Treatment, Energy Risk Manager and Contracts Administrator 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 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ -	\$ -	\$ 120,195	\$ 210,018	\$ 211,413	\$ 210,018
6105 Administrative Staff	-	4,904	72,697	75,005	-	-
6110 Clerical staff	-	-	3,050	-	44,999	43,846
6130 Overtime	-	-	191	-	1,403	-
6201 T.M.R.S.	-	695	27,206	35,827	43,956	44,909
6205 F.I.C.A.	-	305	9,516	17,671	9,901	15,740
6210 Medicare	-	71	2,944	4,133	3,744	3,681
6214 Dental Insurance	-	19	436	605	535	605
6215 Hospitalization insurance	-	370	10,900	16,042	20,233	23,535
6220 Life Insurance	-	8	246	2,337	323	246
6221 Long Term Disability Insurance	-	17	510	998	673	508
6225 Workers Compensation	-	148	7,253	7,126	6,657	6,347
6230 Vacation leave	-	361	20,847	4,474	(6,125)	3,072
6235 Sick leave	-	361	77,902	4,918	780	3,376
6242 Auto Benefits	-	-	7,212	7,500	7,492	7,500
6243 Telephone Benefits	-	-	-	-	582	-
6250 Miscellaneous personnel benefits	-	1,000	-	-	-	-
6260 Vacancy Savings	-	-	-	(18,488)	-	(17,416)
<i>O&amp;M PERSONNEL TOTAL</i>	-	8,259	361,104	368,165	346,567	345,965

## DEPARTMENT 4105 – OPERATIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	68	200	-	200
7110 Dues & memberships	-	-	374	485	371	685
7120 Office supplies	-	229	662	1,000	2,169	1,000
7130 Postage/shipping charges	-	-	-	350	83	350
7135 Telephone expenses	-	266	90	500	169	500
7140 Training expenses	-	-	4,830	5,575	1,030	5,600
7145 Travel expenses	-	452	16,601	20,950	12,511	20,700
7225 Safety supplies	-	-	176	-	10	-
7299 Other materials & supplies	-	-	-	-	14	-
7315 Food, meals, ice, water	-	-	39	200	388	200
7601 Legal Fees	-	53,666	208,206	110,000	199,460	175,000
7699 Other services	-	-	-	-	60	-
7805 Computer equipment	-	1,390	1,009	750	1,412	750
7806 Software licenses - new	-	-	-	85,000	-	-
7820 Office furniture & equipment	-	-	-	-	820	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	-	56,002	232,054	225,010	218,498	204,985
	\$ -	\$ 64,261	\$ 593,158	\$ 593,175	\$ 565,065	\$ 550,950



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

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

**Department Function:**

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

	<b>FY 2014* ACTUAL</b>	<b>FY 2015 ACTUAL</b>	<b>FY 2016 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2017 APPROVED BUDGET</b>
<b>INPUT MEASURES</b>				
O&M expenditures	\$ 85,669	\$ 189,885	\$ 235,725	\$ 288,610
<b>OUTPUT MEASURES:</b>				
ERM Reports (monthly) produced	12	12	24	24
Audits Produced	1	1	1	1
Developed Energy Risk Analysis	2	2	4	4
Energy Risk Management Policy Updated	1	1	1	1
Review of Other Energy Risk Management Policies	7	7	7	7
Review of Load Forecast, Generation Resource Availability & Costs	5	5	5	5
<b>OUTCOME MEASURES</b>				
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

\* New Department in 2014



## DEPARTMENT 4110 – ENERGY RISK MANAGEMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ -	\$ 37,536	\$ 100,636	\$ 86,258	\$ 92,618	\$ 161,949
6201 T.M.R.S.	-	5,323	13,778	10,843	15,443	28,649
6205 F.I.C.A.	-	2,321	6,200	5,348	5,739	10,041
6210 Medicare	-	543	1,450	1,251	1,342	2,348
6214 Dental Insurance	-	118	322	303	289	605
6215 Hospitalization insurance	-	2,383	6,915	5,810	6,565	18,449
6220 Life Insurance	-	47	131	707	121	163
6221 Long Term Disability Insurance	-	96	266	302	246	324
6225 Workers Compensation	-	938	2,516	2,156	2,319	4,049
6230 Vacation leave	-	15,849	(11,412)	1,367	4,592	1,044
6235 Sick leave	-	20,082	(11,415)	1,503	12,513	1,147
6260 Vacancy Savings	-	-	-	(5,649)	-	(5,857)
<i>O&amp;M PERSONNEL TOTAL</i>	-	85,236	109,387	110,197	141,787	222,910
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	300	234	500
7110 Dues & memberships	-	-	45	500	116	500
7120 Office supplies	-	77	611	1,000	39	1,500
7130 Postage/shipping charges	-	-	150	400	-	600
7140 Training expenses	-	-	2,049	1,500	1,706	1,800
7145 Travel expenses	-	356	5,642	2,000	2,795	5,000
7299 Other materials & supplies	-	-	-	-	113	-
7315 Food, meals, ice, water	-	-	189	300	89	500
7699 Other services	-	-	70,265	50,000	87,455	50,000
7805 Computer equipment	-	-	1,547	1,200	-	1,200
7806 Software licenses - new	-	-	-	5,000	1,392	3,000
7820 Office furniture & equipment	-	-	-	1,500	-	1,100
<i>O&amp;M NON-PERSONNEL TOTAL</i>	-	433	80,498	63,700	93,938	65,700
	\$ -	\$ 85,669	\$ 189,885	\$ 173,897	\$ 235,725	\$ 288,610



**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:** 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.

	<b>FY 2014* ACTUAL</b>	<b>FY 2015 ACTUAL</b>	<b>FY 2016 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2017 APPROVED BUDGET</b>
<b>INPUT MEASURES</b>				
Number of Employees	3	3	5	5
O&M Personnel Expense	\$ 80,558	\$ 230,673	\$ 342,835	\$ 425,922
O&M Non-Personnel Expense	\$ 1,062	\$ 114,715	\$ 57,979	\$ 113,250
<b>OUTPUT MEASURES</b>				
Yearly Misoperations Submittals	-	4	4	4
Number of 693 Policies and Procedures Reviewed	-	44	44	51
Number of CIP Policies and Procedures Reviewed	-	40	40	45
Quarterly Awareness Submittals for Employees with access to CCAs	-	4	4	4
Quarterly Employee Verification Submittals for Authorized Personnel	-	4	4	4
Total Number of Training Hours for Online SOS & CIP Cyber Security	-	118	118	316
Number of NERC requirements	-	827	827	1294
ERCOT protocols and operating guides sections		35	35	35
<b>OUTCOME MEASURES</b>				
Compliance Coaching Program Workshops	-	10	10	10
Number of Trainings to Provide	-	2	2	3
Review of NERC Responsibility Matrix	-	2	2	2
Monthly Newsletter Submittals	-	12	12	12
<b>EFFICIENCY MEASURES</b>				
% of NERC Compliance	-	100%	100%	100%
% of Trainings Completed	-	100%	100%	100%

\*New Department in 2014

**DEPARTMENT 4210 – NERC COMPLIANCE**

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ -	\$ -	\$ 11,258	\$ 75,691	\$ 104,954	\$ 104,541
6105 Administrative Staff	-	50,692	123,651	123,178	126,219	174,262
6110 Clerical staff	-	-	-	-	13,779	28,891
6130 Overtime	-	-	-	-	81	313
6201 T.M.R.S.	-	7,188	18,342	25,002	40,905	54,431
6205 F.I.C.A.	-	3,123	8,189	12,330	14,747	19,077
6210 Medicare	-	730	1,915	2,884	3,449	4,462
6214 Dental Insurance	-	220	577	908	950	1,512
6215 Hospitalization insurance	-	4,221	13,213	19,786	28,511	43,913
6220 Life Insurance	-	69	177	1,631	325	315
6221 Long Term Disability Insurance	-	136	350	696	649	615
6225 Workers Compensation	-	1,267	3,373	4,972	6,186	7,692
6230 Vacation leave	-	4,086	13,498	3,232	1,686	3,723
6235 Sick leave	-	8,824	36,128	3,552	393	4,092
6260 Vacancy Savings	-	-	-	(13,354)	-	(21,918)
<i>O&amp;M PERSONNEL TOTAL</i>	-	80,558	230,673	260,506	342,835	425,922
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	300	750	-	500
7110 Dues & memberships	-	-	-	750	45	500
7120 Office supplies	-	-	1,867	1,200	2,007	1,200
7130 Postage/shipping charges	-	-	-	150	-	150
7135 Telephone expenses	-	-	-	650	-	650
7140 Training expenses	-	-	405	5,000	6,375	5,000
7145 Travel expenses	-	1,062	12,848	10,000	9,335	15,000
7304 Hurricane Preparedness Expenses	-	-	-	1,500	-	750
7305 ERCOT expenses	-	-	95,656	125,000	37,673	75,000
7315 Food, meals, ice, water	-	-	1,606	500	222	500
7325 Rental of equip/storage/land	-	-	290	-	188	-
7415 Fuels & lubricants	-	-	-	-	48	-
7635 Software maintenance service fees	-	-	-	5,000	-	5,000
7699 Other services	-	-	28	-	-	-
7805 Computer equipment	-	-	-	2,500	99	2,000
7806 Software licenses - new	-	-	-	5,000	-	4,000
7820 Office furniture & equipment	-	-	1,714	3,500	1,989	3,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	-	1,062	114,715	161,500	57,979	113,250
	\$ -	\$ 81,621	\$ 345,388	\$ 422,006	\$ 400,814	\$ 539,172



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

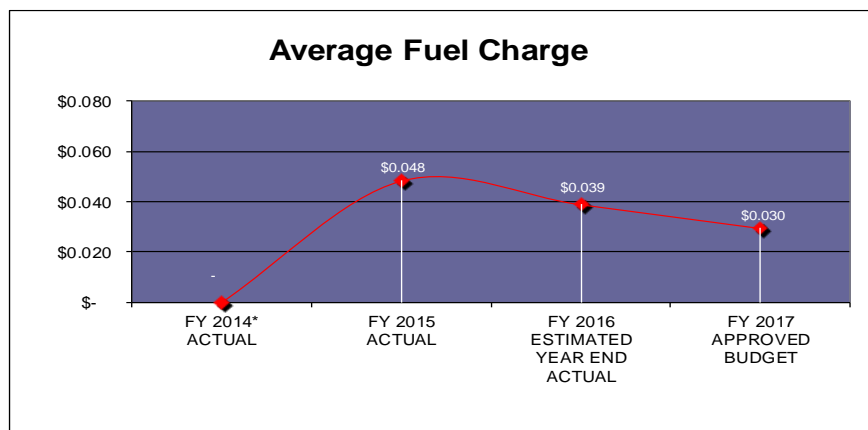
**OUTCOME MEASURES**

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 2014* ACTUAL	FY 2015 ACTUAL	FY 2016 ESTIMATED YEAR END ACTUAL	FY 2017 APPROVED BUDGET
Employees	1	1	2	1
O&M Personnel Expense	\$ 72,270	\$ 167,158	\$ 166,896	\$ 90,464
O&M Non-Personnel Expense	\$ 186	\$ 59,267,251	\$ 53,856,472	\$ 54,743,750
Fuel & Energy Invoices/Transactions Processed	-	741	787	784
Fuel & Energy Contracts Maintained	-	7	8	8
Fuel & Energy Data Modeling	-	12	12	12
Congestion Revenue Rights Auction Participation	-	13	14	15
Fuel & Energy Reports	-	27	43	46
Fuel & Purchase Energy Charge Projections	-	12	12	12
Load and Capacity Forecast	-	19	13	15
Congestion Revenue Rights Auctions Awarded	-	5	9	10
% of Fuel & Energy Requirements Met	-	100%	100%	100%
% of Fuel & Energy Invoices Processed	-	100%	100%	100%
% of Fuel & Energy Contracts Maintained	-	100%	100%	100%
Average Fuel Charge	-	\$ 0.048	\$ 0.039	\$ 0.030



\* New Department in 2014

**DEPARTMENT 4220 – FUEL & ENERGY SUPPLY**

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ -	\$ 11,142	\$ 66,064	\$ 65,811	\$ 61,475	\$ -
6105 Administrative Staff	-	37,632	44,164	52,499	61,285	65,811
6201 T.M.R.S.	-	6,916	14,954	14,872	20,273	11,642
6205 F.I.C.A.	-	2,850	6,407	7,335	7,114	4,080
6210 Medicare	-	667	1,498	1,716	1,664	954
6214 Dental Insurance	-	212	492	605	520	302
6215 Hospitalization insurance	-	7,267	16,685	20,465	19,612	11,768
6220 Life Insurance	-	64	151	970	160	68
6221 Long Term Disability Insurance	-	125	298	414	315	132
6225 Workers Compensation	-	1,219	2,756	2,958	3,073	1,645
6230 Vacation leave	-	1,329	7,252	2,029	(5,607)	1,489
6235 Sick leave	-	2,848	6,436	2,230	(2,988)	1,636
6260 Vacancy Savings	-	-	-	(8,382)	-	(9,063)
<i>O&amp;M PERSONNEL TOTAL</i>	-	72,270	167,158	163,521	166,896	90,464
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	3,040	3,500	3,070	3,500
7110 Dues & memberships	-	-	2,000	2,200	2,000	2,200
7120 Office supplies	-	-	1,531	1,500	1,235	1,800
7130 Postage/shipping charges	-	-	-	200	-	200
7135 Telephone expenses	-	-	-	500	-	750
7140 Training expenses	-	-	-	-	1,596	2,000
7145 Travel expenses	-	186	-	1,300	1,445	1,600
7304 Hurricane Preparedness Expenses	-	-	-	200	-	200
7305 ERCOT expenses	-	-	1,051,289	900,000	75,379	900,000
7315 Food, meals, ice, water	-	-	269	500	44	500
7601 Legal Fees	-	-	-	75,000	-	75,000
7605 Engineering fees	-	-	-	15,000	-	15,000
7701 Fuel - Natural gas - Silas Ray	-	-	1,360,321	1,500,000	828,325	1,000,000
7702 Fuel - Natural Gas - Hidalgo Energy	-	-	9,210,195	8,000,000	8,819,301	6,500,000
7704 Fuel - TETCO/Hinshaw Pipeline	-	-	619,795	500,000	601,043	600,000
7705 Fuel - Coal - Oklaunion	-	-	6,940,676	5,000,000	8,219,923	5,500,000
7706 Fuel-Diesel-Distributed Generation	-	-	-	35,000	-	35,000
7707 Fuel - Diesel oil - Oklaunion	-	-	149,218	100,000	163,298	200,000
7708 Fuel - Natural Gas Tranp-SilasRay	-	-	50,465	200,000	45,053	100,000
7714 Pchp - Wind Resources	-	-	-	700,000	9,654,703	10,000,000
7720 Pchp - Resource Imbalance	-	-	3,183,248	4,000,000	635,903	2,500,000
7721 Pchp - Economy power	-	-	20,437,471	15,278,400	8,985,308	10,000,000
7726 Pchp - Bilateral Energy Expns-Gas	-	-	0	200,000	-	100,000
7727 Pchp - Bilateral Energy-Gas Transp	-	-	-	50,000	-	50,000
7728 Pchp - Bilateral Energy Exp-Coal	-	-	-	100,000	-	25,000
7729 Pchp - TCOS (Wheeling)	-	-	7,634,407	7,400,000	8,003,021	7,800,000
7733 Pchp - Bilateral Ancillary Services	-	-	1,720,538	2,300,000	1,200,736	1,800,000
7736 Pchp - QSE Charges	-	-	312,000	312,000	383,500	400,000
7737 Pchp - Ercot Charges	-	-	965,295	1,000,000	1,194,514	1,200,000
7738 Pchp - CSC Congestion Cost (CSCBE)	-	-	2,429,637	1,500,000	703,640	1,700,000
7740 Power marketing services	-	-	413,200	500,000	275,764	500,000
7751 Pchp - Reliability Unit Cmt Exp-Gas	-	-	23,142	200,000	98,846	150,000
7752 Pchp - Reliab Unit Cmt - Gas Transp	-	-	3,905	50,000	12,632	50,000
7753 Pchp - Day Ahead Energy Exp-Gas	-	-	1,056,932	500,000	846,597	1,400,000
7754 Pchp - Day Ahead Energy-Gas Transp	-	-	58,030	100,000	94,516	150,000
7755 Pchp - Real Time Energy Exp-Gas	-	-	974,961	500,000	1,488,123	1,400,000
7756 Pchp - Real Time Energy - Gas Transp	-	-	116,279	100,000	155,061	150,000
7757 Pchp - Reliab Unit Cmt - Coal	-	-	-	100,000	-	50,000
7758 Pchp - Day Ahead Energy-Coal	-	-	-	100,000	-	50,000
7759 Pchp - Real Time Energy - Coal	-	-	547,869	300,000	1,356,666	325,000
7805 Computer equipment	-	-	1,058	2,500	40	1,800
7806 Software licenses - new	-	-	-	-	5,190	-
7820 Office furniture & equipment	-	-	480	3,000	-	4,200
<i>O&amp;M NON-PERSONNEL TOTAL</i>	-	186	59,267,251	51,630,800	53,856,472	54,743,750
	\$ -	\$ 72,456	\$ 59,434,409	\$ 51,794,321	\$ 54,023,368	\$ 54,834,214



**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**



	<b>Department Responsibility:</b>	<b>Fernando Saenz</b>
	<b>Title:</b>	<b>Assistant GM &amp; COO</b>
<b>PERFORMANCE MEASURES</b>	<b>Telephone Ext:</b>	<b>6266</b>
<b>FOR THE</b>	<b>Dept. No.:</b>	<b>4230</b>
<b>NATURAL GAS MANAGEMENT DEPARTMENT</b>		

**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 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;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&amp;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**

**PERFORMANCE MEASURES  
FOR THE  
OPERATIONAL SUPPORT SERVICES**

**Telephone Ext: 6218**  
**Dept. No. 4310**

**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., Key Accounts Marketing, W/WW Operations & Construction, W/WW Plant Maintenance, Wastewater Lift Stations, Fleet Management and SCADA.

**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 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ -	\$ 23,155	\$ 68,387	\$ 140,005	\$ 319,191	\$ 332,524
6110 Clerical staff	-	-	30,626	33,800	36,080	35,360
6130 Overtime	-	-	1,183	1,219	796	1,020
6201 T.M.R.S.	-	3,283	13,614	21,847	61,145	65,079
6205 F.I.C.A.	-	1,505	5,632	10,776	20,069	22,809
6210 Medicare	-	352	1,476	2,520	5,184	5,334
6214 Dental Insurance	-	44	379	605	960	1,134
6215 Hospitalization insurance	-	1,524	10,800	18,399	31,069	37,595
6220 Life Insurance	-	24	134	1,425	442	364
6221 Long Term Disability Insurance	-	50	268	608	907	736
6225 Workers Compensation	-	1,394	4,538	4,345	9,140	9,197
6230 Vacation leave	-	11,375	(1,018)	2,835	9,790	4,451
6235 Sick leave	-	48,463	2,754	3,117	54,917	4,893
6242 Auto Benefits	-	2,885	7,500	7,500	7,493	7,500
6243 Telephone Benefits	-	646	1,680	1,680	1,679	1,680
6260 Vacancy Savings	-	-	-	(11,717)	-	(25,426)
<i>O&amp;M PERSONNEL TOTAL</i>	-	94,700	147,953	238,965	558,860	504,250



**DEPARTMENT 4310 – OPERATIONAL SUPPORT SERVICES**

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	200	-	200
7110 Dues & memberships	-	-	45	250	107	765
7115 Educational material	-	-	-	300	-	500
7120 Office supplies	-	-	1,511	1,500	1,821	2,000
7130 Postage/shipping charges	-	-	-	200	160	200
7140 Training expenses	-	-	-	2,380	1,510	3,835
7145 Travel expenses	-	-	-	3,450	8,620	11,350
7225 Safety supplies	-	-	-	200	-	250
7299 Other materials & supplies	-	-	57	400	152	400
7315 Food, meals, ice, water	-	167	2,841	3,300	2,706	3,500
7601 Legal Fees	-	5,694	2,290	6,500	8,559	7,500
7605 Engineering fees	-	-	-	-	-	10,000
7699 Other services	-	-	-	-	6,350	50,000
7801 Communication equipment	-	-	-	500	960	-
7805 Computer equipment	-	-	2,189	1,900	948	-
7820 Office furniture & equipment	-	-	3,246	2,600	2,273	2,600
<i>O&amp;M NON-PERSONNEL TOTAL</i>	-	5,861	12,180	23,680	34,166	93,100
	\$ -	\$ 100,561	\$ 160,133	\$ 262,645	\$ 593,026	\$ 597,350



**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. **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)  
Number of Business Process Assessments Completed  
Avg. Number of Services Billed by Electric  
Avg. Number of Services Billed by Water  
Avg. Number of Services Billed by Wastewater

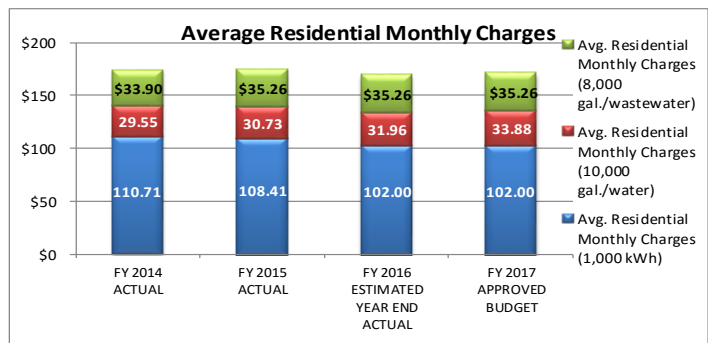
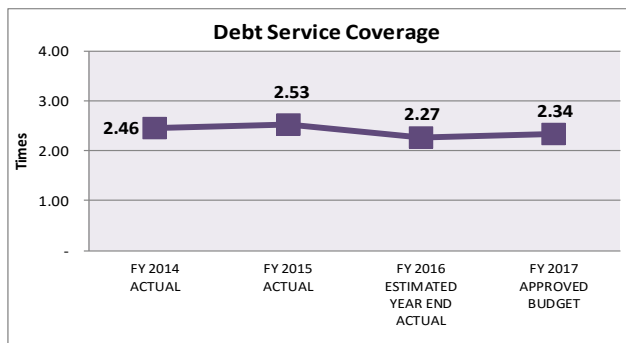
**OUTCOME MEASURES**

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 2014 ACTUAL	FY 2015 ACTUAL	FY 2016 ESTIMATED YEAR END ACTUAL	FY 2017 APPROVED BUDGET
Employees (FTE's)	6	6	8	7
O&M Expenditures	\$ 747,328	\$ 644,433	\$ 922,893	\$ 991,345
Annual Financial Plan	\$ 197,072,312	\$ 212,238,556	\$ 212,773,952	\$ 205,913,785
Annual Capital Plan	\$ 96,698,395	\$ 74,108,011	\$ 56,116,066	\$ 59,558,201
Cash Portfolio Report (weekly)	52	52	52	52
Quarterly Investment Reports Produced	4	4	4	4
Operational Reports Produced (monthly)	12	12	12	12
Number of Business Process Assessments Completed	*N/A	*N/A	*N/A	10
Avg. Number of Services Billed by Electric	47,833	48,265	48,798	49,563
Avg. Number of Services Billed by Water	48,946	49,438	50,046	50,686
Avg. Number of Services Billed by Wastewater	48,633	49,149	49,803	50,411
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)	2.46	2.53	2.27	2.34
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)	\$ 110.71	\$ 108.41	\$ 102.00	\$ 102.00
Avg. Residential Monthly Charges (10,000 gal./water)	\$ 29.55	\$ 30.73	\$ 31.96	\$ 33.88
Avg. Residential Monthly Charges (8,000 gal./wastewater)	\$ 33.90	\$ 35.26	\$ 35.26	\$ 35.26



\*New measure

## DEPARTMENT 5110 – FINANCE

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 207,374	\$ 216,598	\$ 212,510	\$ 288,124	\$ 297,843	\$ 298,981
6105 Administrative Staff	53,226	53,971	85,410	110,300	138,615	123,161
6110 Clerical staff	41,691	41,480	41,273	68,994	41,499	39,998
6130 Overtime	398	1,004	1,077	1,010	1,507	1,442
6201 T.M.R.S.	44,762	44,615	45,979	58,756	81,022	81,753
6205 F.I.C.A.	17,089	16,156	17,255	28,980	24,300	28,653
6210 Medicare	4,460	4,452	4,792	6,778	6,876	6,701
6214 Dental Insurance	1,309	1,232	1,331	2,118	1,766	1,905
6215 Hospitalization insurance	29,901	33,777	37,816	54,730	53,687	59,790
6220 Life Insurance	526	410	449	3,833	628	470
6221 Long Term Disability Insurance	817	816	894	1,636	1,257	924
6225 Workers Compensation	11,534	11,362	12,477	11,685	13,928	11,554
6230 Vacation leave	4,912	7,376	(4,818)	7,695	1,506	5,780
6235 Sick leave	15,958	16,391	(10,270)	8,458	8,791	6,354
6240 Educational assistance	2,418	-	-	-	-	-
6242 Auto Benefits	7,500	7,500	7,500	7,500	7,455	7,500
6260 Vacancy Savings	-	-	-	(31,797)	-	(33,684)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>443,875</b>	<b>457,139</b>	<b>453,677</b>	<b>628,799</b>	<b>680,682</b>	<b>641,282</b>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	89	283	283	200	410	200
7110 Dues & memberships	3,904	1,098	2,896	1,500	4,037	1,500
7115 Educational material	-	2,760	-	-	-	-
7120 Office supplies	16,043	20,395	22,092	16,400	22,850	16,400
7130 Postage/shipping charges	2,054	870	722	1,500	803	1,500
7135 Telephone expenses	286	-	266	-	-	-
7140 Training expenses	2,865	2,772	5,795	4,770	13,399	10,540
7145 Travel expenses	7,819	4,356	5,231	10,602	10,826	10,602
7199 Miscellaneous office expenses	-	-	513	200	-	200
7299 Other materials & supplies	32	-	161	300	30	300
7315 Food, meals, ice, water	2,777	2,511	2,803	2,000	3,102	2,000
7325 Rental of equip/storage/land	7,775	10,103	7,764	10,000	8,618	10,000
7335 Wearing apparel & dry goods	-	152	-	-	-	-
7415 Fuels & lubricants	-	-	51	-	40	-
7601 Legal Fees	34,684	46,698	4,288	50,000	974	50,000
7605 Engineering fees	470,907	14,658	1,612	40,000	32,823	50,000
7610 Financial advisor services	118,659	95,461	60,591	85,000	63,669	85,000
7615 External auditor fees	60,000	72,000	50,500	60,000	51,500	60,000
7699 Other services	13,095	12,153	21,966	25,000	22,179	50,000
7805 Computer equipment	-	1,651	-	-	207	1,821
7806 Software licenses - new	-	130	-	-	312	-
7820 Office furniture & equipment	682	2,137	3,222	2,420	6,433	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>741,671</b>	<b>290,189</b>	<b>190,756</b>	<b>309,892</b>	<b>242,211</b>	<b>350,063</b>
	<b>\$ 1,185,546</b>	<b>\$ 747,328</b>	<b>\$ 644,433</b>	<b>\$ 938,691</b>	<b>\$ 922,893</b>	<b>\$ 991,345</b>



**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.:** 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 Processed Timely  
 No. of Bank Accounts Reconciled Annually  
 # of FS Produced Annually  
 Dollar Recorded for Capital Asset Additions

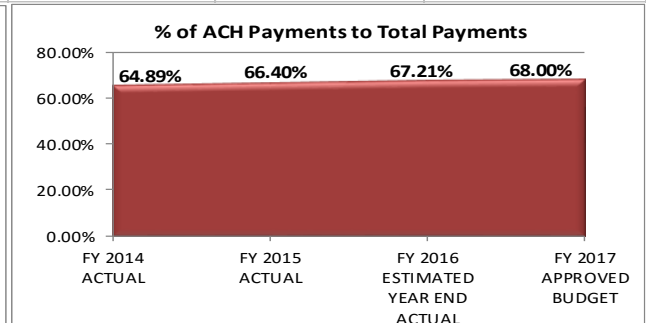
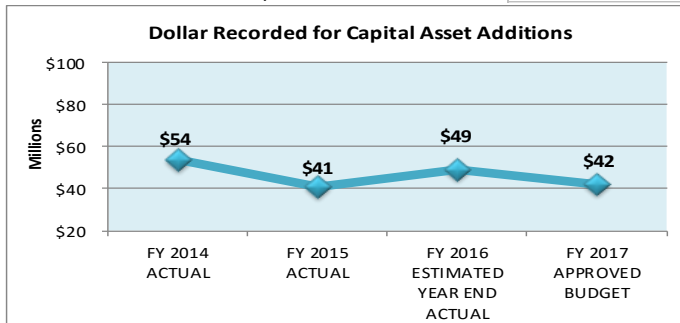
**OUTCOME MEASURES**

% 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 Stmtts  
 Annual Cost to Maintain Capital Assets CPR

	<b>FY 2014 ACTUAL</b>	<b>FY 2015 ACTUAL</b>	<b>FY 2016 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2017 APPROVED BUDGET</b>
Number of AP Checks & Wires Processed	2,847	2,545	2,653	2,588
Number of AP ACH Payments Processed	5,261	5,030	5,437	5,500
Number of Payroll Cks and DD Processed	17,300	17,828	18,120	18,200
Average Mo. Bank Transactions Reconciled	1,464	1,480	1,320	1,360
No. of JEs Processed for Recon. of Accts.	4,400	4,560	4,470	4,500
Capital Assets, Net Capitalized in the CPR	\$ 604,111,412	\$ 607,389,063	\$ 626,149,063	\$ 638,169,063
Percentage of Invoice Pd. Within 30 days	89%	89%	90%	90%
Percentage of Payrolls Processed Timely	100%	100%	100%	100%
No. of Bank Accounts Reconciled Annually	378	348	324	336
# of FS Produced Annually	12	12	12	12
Dollar Recorded for Capital Asset Additions	\$ 53,981,281	\$ 40,684,063	\$ 48,760,000	\$ 42,020,000
% of ACH Payments to Total Payments	64.89%	66.40%	67.21%	68.00%
% Payroll Direct Deposits to Total Cks & DD	99.99%	99.95%	99.93%	99.99%
% 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	\$ 123,312	\$ 131,324	\$ 149,971	\$ 186,221
Annual Cost of Processing Bi-Weekly Payroll	\$ 28,444	\$ 31,699	\$ 37,201	\$ 46,114
Staff Hours Per 100 Bank Reconciliations	8.1	8.2	7.6	7.5
Annual Cost to Produce Monthly Financial Stmtts	\$ 166,353	\$ 155,769	\$ 164,035	\$ 166,135
Annual Cost to Maintain Capital Assets CPR	\$ 70,341	\$ 84,690	\$ 71,166	\$ 128,574



## DEPARTMENT 5120 - ACCOUNTING

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 147,952	\$ 166,182	\$ 176,378	\$ 219,898	\$ 229,010	\$ 273,046
6105 Administrative Staff	56,388	54,113	64,271	175,327	159,413	197,189
6110 Clerical staff	147,214	164,033	144,568	180,835	176,743	150,109
6130 Overtime	4,418	5,321	7,495	6,609	3,700	4,840
6201 T.M.R.S.	51,935	58,193	53,583	72,411	97,108	109,739
6205 F.I.C.A.	22,031	24,876	23,797	35,716	34,046	38,461
6210 Medicare	5,152	5,818	5,596	8,353	8,115	8,995
6214 Dental Insurance	2,180	2,272	2,163	3,812	3,235	3,931
6215 Hospitalization insurance	54,099	58,559	56,919	100,204	95,429	113,973
6220 Life Insurance	476	513	535	4,724	782	662
6221 Long Term Disability Insurance	921	992	1,031	2,016	1,492	1,241
6225 Workers Compensation	14,969	16,183	16,589	14,402	17,594	15,509
6230 Vacation leave	5,877	5,272	4,479	9,894	(2,095)	6,832
6235 Sick leave	6,107	16,836	(2,786)	10,875	12,184	7,509
6242 Auto Benefits	7,500	7,500	7,500	7,500	7,489	7,500
6243 Telephone Benefits	1,680	1,680	1,680	1,680	1,678	1,680
6260 Vacancy Savings	-	-	-	(40,885)	-	(41,908)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>528,899</u>	<u>588,343</u>	<u>563,797</u>	<u>813,371</u>	<u>845,922</u>	<u>899,307</u>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	952	1,410	252	690	735	730
7110 Dues & memberships	-	75	541	150	580	580
7120 Office supplies	12,199	13,142	11,296	11,000	10,034	11,000
7130 Postage/shipping charges	588	371	61	150	84	100
7135 Telephone expenses	224	225	604	-	238	-
7140 Training expenses	2,759	5,679	1,110	5,440	4,090	4,520
7145 Travel expenses	1,089	5,502	-	2,770	6,147	2,810
7225 Safety supplies	30	69	5	75	18	75
7299 Other materials & supplies	-	77	81	100	-	100
7301 Bad debt expense	-	-	-	-	321	-
7310 Federal, state, & local fees	-	242	-	-	-	-
7315 Food, meals, ice, water	1,055	1,035	1,515	1,000	989	1,200
7335 Wearing apparel & dry goods	303	378	396	371	100	120
7415 Fuels & lubricants	16	-	-	-	-	-
7635 Software maintenance service fees	10,057	11,526	9,078	6,000	5,234	5,547
7699 Other services	-	-	-	200	8,900	10,500
7805 Computer equipment	-	285	218	-	-	-
7806 Software licenses - new	217	150	-	380	479	300
7820 Office furniture & equipment	1,840	743	4,262	3,000	9,751	1,553
7899 Other minor tools & equipment	258	-	-	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>31,585</u>	<u>40,910</u>	<u>29,417</u>	<u>31,326</u>	<u>47,700</u>	<u>39,135</u>
	<b>\$ 560,484</b>	<b>\$ 629,252</b>	<b>\$ 593,214</b>	<b>\$ 844,696</b>	<b>\$ 893,622</b>	<b>\$ 938,442</b>



**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**

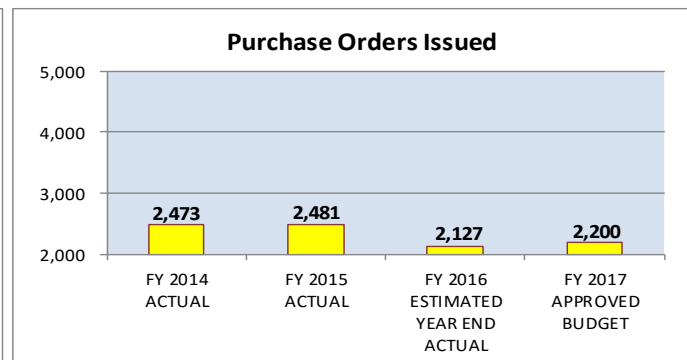
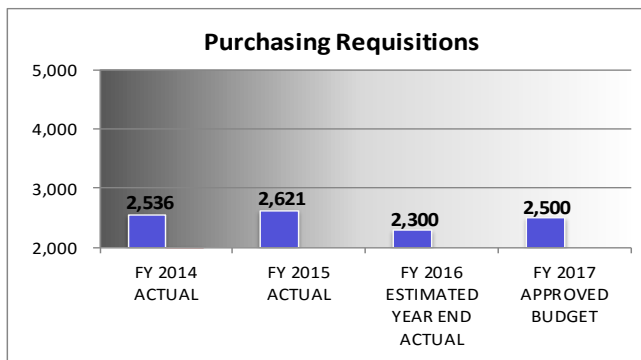
**Department Function:**

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.

	<b>FY 2014 ACTUAL</b>	<b>FY 2015 ACTUAL</b>	<b>FY 2016 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2017 APPROVED BUDGET</b>
<b>INPUT MEASURES</b>				
Employees	6	6	7	7
O&M Personnel	\$ 273,376	\$ 268,704	\$ 435,433	\$ 464,990
O&M Non-Personnel	\$ 43,341	\$ 69,677	\$ 53,239	\$ 72,960
<b>OUTPUT MEASURES</b>				
Purchasing Requisitions	2,536	2,621	2,300	2,500
P-Card Cardholders	119	114	123	128
<b>OUTCOME MEASURES</b>				
Purchase Orders Issued	2,473	2,481	2,127	2,200
P-Card Cardholders vs # Employees	119 vs 612 (19%)	114 vs 585 (19%)	123 vs 571 (22%)	128 vs 585 (22%)
<b>EFFICIENCY MEASURES</b>				
Reduce # of Requisitions and P.O.'s Issued				
Checks Per Month (P-card usage)	850	350	235	200
Number of checks vs number of p card merchants	850 vs 1500	350 vs 1400	235 vs 900	200 vs 800



## DEPARTMENT 5130 – PURCHASING

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 54,958	\$ 57,079	\$ 56,968	\$ 82,014	\$ 82,645	\$ 82,014
6105 Administrative Staff	99,856	106,928	108,124	155,813	158,880	242,923
6110 Clerical staff	27,285	21,604	24,194	30,202	22,376	-
6130 Overtime	28	205	21	218	42	109
6140 Severance Pay	-	-	-	-	43,704	-
6201 T.M.R.S.	27,079	27,040	25,754	33,691	48,347	57,481
6205 F.I.C.A.	11,285	11,207	11,179	16,618	17,199	20,146
6206 Suta	-	-	171	-	-	-
6210 Medicare	2,639	2,621	2,614	3,886	4,022	4,712
6214 Dental Insurance	1,148	1,170	1,157	1,815	1,555	2,117
6215 Hospitalization insurance	26,754	32,676	32,102	48,418	47,127	62,362
6220 Life Insurance	254	263	269	2,198	374	346
6221 Long Term Disability Insurance	482	499	510	938	711	650
6225 Workers Compensation	7,168	6,517	6,726	6,701	6,677	8,123
6230 Vacation leave	(1,556)	5,439	879	4,626	(3,152)	3,939
6235 Sick leave	(1,225)	127	(1,964)	5,085	4,927	4,329
6260 Vacancy Savings	-	-	-	(19,115)	-	(24,261)
<i>O&amp;M PERSONNEL TOTAL</i>	256,156	273,376	268,704	373,107	435,433	464,990
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising	28,354	18,584	27,072	25,000	23,140	25,000
7105 Books & periodicals	-	114	-	240	192	225
7110 Dues & memberships	320	345	360	300	360	300
7120 Office supplies	3,933	4,078	4,473	4,000	3,404	4,000
7130 Postage/shipping charges	518	91	139	300	62	300
7140 Training expenses	-	-	215	2,574	-	4,000
7145 Travel expenses	-	-	-	2,332	-	5,000
7180 Utilities - departmental	11,828	12,525	11,868	11,000	11,464	11,000
7215 Laundry & janitorial supplies	-	42	161	200	254	1,000
7299 Other materials & supplies	96	533	510	1,000	2,122	1,000
7315 Food, meals, ice, water	69	133	204	300	232	300
7325 Rental of equip/storage/land	3,904	4,700	4,285	3,500	4,421	4,000
7415 Fuels & lubricants	917	495	283	-	99	-
7599 Maintenance / other	-	-	13,435	15,000	3,210	15,000
7645 Maintenance services	1,290	964	1,426	500	2,676	500
7805 Computer equipment	-	245	-	-	-	-
7820 Office furniture & equipment	978	492	5,248	1,473	1,601	1,335
<i>O&amp;M NON-PERSONNEL TOTAL</i>	52,206	43,341	69,677	67,719	53,239	72,960
	\$ 308,362	\$ 316,717	\$ 338,381	\$ 440,826	\$ 488,672	\$ 537,950



**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**

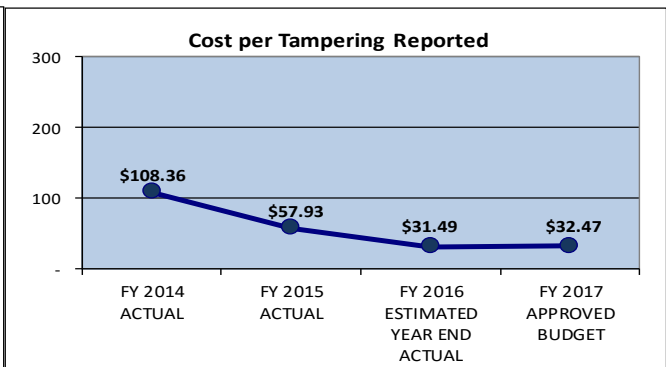
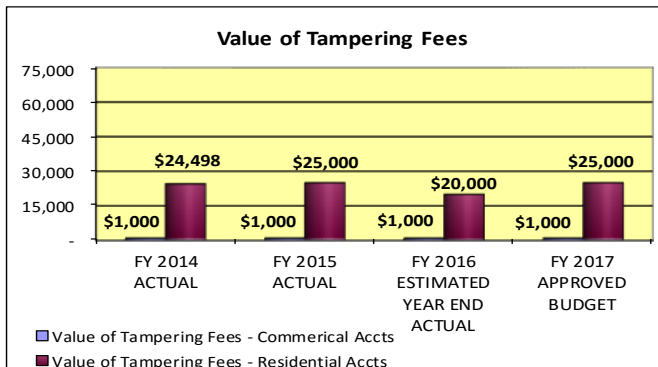
**Department Function:**

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.

	<b>FY 2014 ACTUAL</b>	<b>FY 2015 ACTUAL</b>	<b>FY 2016 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2017 APPROVED BUDGET</b>
<b>INPUT MEASURES</b>				
Employees	3	3	3	3
O&M Personnel	\$ 187,076	\$ 185,849	\$ 191,527	\$ 192,343
O&M Non-Personnel	\$ 17,293	\$ 16,904	\$ 13,173	\$ 18,697
<b>OUTPUT MEASURES</b>				
# of Accounts Proactively Investigated	1,886	3,500	6,500	6,500
# of Tampering Incidents Reported Internally	200	200	125	175
# of Tampering Incidents Reported thru Hotline	10	10	5	5
Total Number of Tamperings Reported	210	210	130	180
# of Tampering Incidents Confirmed	83	59	55	100
<b>OUTCOME MEASURES</b>				
Value of Tampering Fees - Commerical Accts	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000
Value of Backbillings - Commercial Accts	\$ 5,000	\$ 3,000	\$ 3,000	\$ 3,000
Value of Tampering Fees - Residential Accts	\$ 24,498	\$ 25,000	\$ 20,000	\$ 25,000
Value of Backbillings - Residential Accts	\$ 50,886	\$ 85,000	\$ 55,000	\$ 125,000
<b>EFFICIENCY MEASURES</b>				
Cost per Tampering Reported	\$ 108.36	\$ 57.93	\$ 31.49	\$ 32.47
Ratio of Revenue Recovered to Cost	\$ 2.51	\$ 1.78	\$ 2.59	\$ 1.37





## DEPARTMENT 5140 – REVENUE RECOVERY

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 47,668	\$ 49,802	\$ 50,488	\$ 50,294	\$ 50,457	\$ 50,294
6115 Operational staff	72,737	79,893	81,114	80,600	81,033	80,600
6130 Overtime	977	787	294	2,325	47	2,325
6201 T.M.R.S.	17,705	18,604	17,953	16,453	21,898	23,155
6205 F.I.C.A.	7,251	7,770	7,855	8,115	7,842	8,115
6210 Medicare	1,696	1,817	1,837	1,898	1,834	1,898
6214 Dental Insurance	816	824	818	908	804	907
6215 Hospitalization insurance	21,431	22,092	21,854	24,209	23,965	27,840
6220 Life Insurance	169	181	184	1,073	184	144
6221 Long Term Disability Insurance	317	340	347	458	348	262
6225 Workers Compensation	3,313	3,262	3,297	3,272	3,300	3,272
6230 Vacation leave	3,890	(839)	(191)	2,266	469	1,584
6235 Sick leave	19,315	2,542	-	2,491	(656)	1,741
6260 Vacancy Savings	-	-	-	(9,364)	-	(9,795)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>197,285</u>	<u>187,076</u>	<u>185,849</u>	<u>184,999</u>	<u>191,527</u>	<u>192,343</u>
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	111	-	50	500	-	550
7120 Office supplies	2,623	2,132	685	1,900	1,014	2,000
7125 Photo equipment/supplies	-	-	-	-	246	-
7135 Telephone expenses	80	-	-	-	-	-
7140 Training expenses	-	690	1,138	1,000	-	1,000
7145 Travel expenses	520	1,498	-	1,060	-	1,496
7220 Medical supplies	-	-	-	225	20	-
7225 Safety supplies	640	146	793	987	168	1,298
7299 Other materials & supplies	6,720	5,523	7,578	6,000	4,272	4,378
7315 Food, meals, ice, water	135	77	62	275	157	275
7325 Rental of equip/storage/land	2,100	2,100	2,150	2,100	2,100	2,100
7335 Wearing apparel & dry goods	2,090	1,584	1,801	1,350	2,228	1,600
7415 Fuels & lubricants	2,712	2,334	2,017	2,500	2,565	2,500
7820 Office furniture & equipment	386	547	264	-	-	-
7835 Tools, shop and garage equipment	4,072	-	26	-	343	1,000
7899 Other minor tools & equipment	440	662	340	240	60	500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>22,629</u>	<u>17,293</u>	<u>16,904</u>	<u>18,137</u>	<u>13,173</u>	<u>18,697</u>
	<b>\$ 219,915</b>	<b>\$ 204,369</b>	<b>\$ 202,753</b>	<b>\$ 203,136</b>	<b>\$ 204,700</b>	<b>\$ 211,040</b>



**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/Info. Svcs.**  
**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 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 110,529	\$ 120,120	\$ 125,489	\$ 125,008	\$ 125,724	\$ 125,008
6110 Clerical staff	59,411	60,554	60,719	59,779	58,591	56,909
6130 Overtime	801	2,697	2,171	2,202	184	1,149
6201 T.M.R.S.	24,914	26,141	25,642	23,228	31,894	32,181
6205 F.I.C.A.	10,671	11,583	11,269	11,457	10,700	11,279
6210 Medicare	2,563	2,741	2,811	2,679	2,760	2,638
6214 Dental Insurance	842	824	818	908	802	907
6215 Hospitalization insurance	20,364	19,964	19,732	21,852	21,584	25,130
6220 Life Insurance	230	242	250	1,515	248	190
6221 Long Term Disability Insurance	449	476	493	647	489	364
6225 Workers Compensation	4,943	4,814	4,939	4,620	4,852	4,548
6230 Vacation leave	(1,849)	2,768	2,690	3,045	1,287	2,201
6235 Sick leave	1,884	6,080	(88)	3,348	651	2,419
6242 Auto Benefits	7,500	7,500	7,500	7,500	7,485	7,500
6243 Telephone Benefits	1,680	1,680	1,680	1,680	1,677	1,680
6260 Vacancy Savings	-	-	-	(12,585)	-	(12,917)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>244,934</i>	<i>268,184</i>	<i>266,117</i>	<i>256,883</i>	<i>268,929</i>	<i>261,185</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	74	74	31	400	-	400
7110 Dues & memberships	-	1,500	1,500	1,500	1,500	1,500
7120 Office supplies	1,880	1,754	3,667	2,000	1,894	2,000
7130 Postage/shipping charges	-	-	-	75	-	75
7140 Training expenses	325	340	1,095	1,375	725	1,700
7145 Travel expenses	4,906	4,218	4,255	3,410	4,274	5,800
7299 Other materials & supplies	174	-	1,712	1	-	-
7315 Food, meals, ice, water	640	468	378	250	192	250
7348 Customer Assistance Program	-	-	-	-	12,739	100,000
7601 Legal Fees	10,371	21,405	22,463	3,500	13,503	10,000
7645 Maintenance services	1,531	248	854	500	1,120	500
7699 Other services	500	-	1,880	-	120	-
7805 Computer equipment	928	1,100	-	1	-	1
7820 Office furniture & equipment	609	-	10,415	1	-	1
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>21,937</i>	<i>31,107</i>	<i>48,251</i>	<i>13,013</i>	<i>36,066</i>	<i>122,227</i>
	<b>\$ 266,871</b>	<b>\$ 299,291</b>	<b>\$ 314,368</b>	<b>\$ 269,896</b>	<b>\$ 304,995</b>	<b>\$ 383,412</b>

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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 City Works 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, Cashier and New Connections 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. We support the organization's mission, by delivering excellent service while being innovative and responsive.

**INPUT MEASURES**

FTE's 2016 Added  
W/WW NC staff  
 Personnel O&M Expenses  
 Non-Personnel O&M Expenses  
 Total O&M Expenses

**OUTPUT MEASURES**

Walk in Customer Count  
 Online/Fax/Email Requests  
 Total for Department

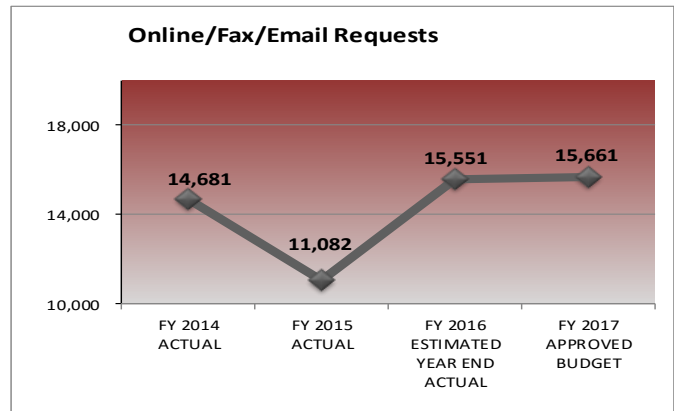
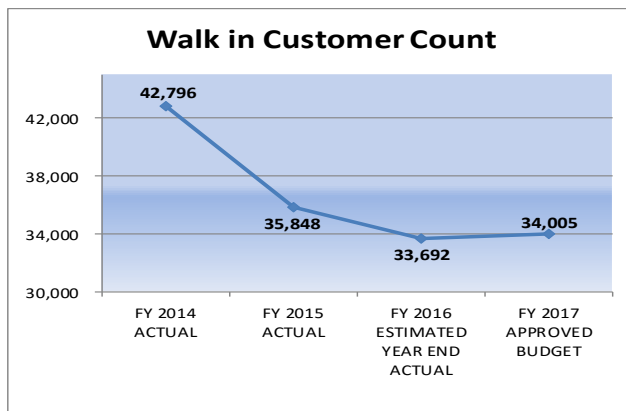
**OUTCOME MEASURES**

Number of Accounts  
 Percent Customer Base Interactions  
 Average Wait Time in Minutes

**EFFICIENCY MEASURES**

Cost Per Transaction  
 Transactions per FTE

	FY 2014 ACTUAL	FY 2015 ACTUAL	FY 2016 ESTIMATED YEAR END ACTUAL	FY 2017 APPROVED BUDGET
FTE's	11	11	14	14
Personnel O&M Expenses	\$ 571,692	\$ 668,849	\$ 734,922	\$ 709,081
Non-Personnel O&M Expenses	\$ 35,439	\$ 45,470	\$ 68,750	\$ 87,575
Total O&M Expenses	\$ 607,131	\$ 714,319	\$ 803,672	\$ 796,656
Walk in Customer Count	42,796	35,848	33,692	34,005
Online/Fax/Email Requests	14,681	11,082	15,551	15,661
Total for Department	57,477	46,930	49,243	49,666
Number of Accounts	61,532	62,799	63,750	64,750
Percent Customer Base Interactions	8%	6%	6%	6%
Average Wait Time in Minutes	22	17	12	12
Cost Per Transaction	\$ 10.56	\$ 15.22	\$ 16.32	\$ 16.04
Transactions per FTE	5,225	4,266	3,517	3,548



## DEPARTMENT 6110 - CUSTOMER SERVICE

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 114,953	\$ 119,288	\$ 113,170	\$ 119,246	\$ 120,633	\$ 125,944
6110 Clerical staff	227,994	268,352	322,027	316,320	373,111	342,356
6130 Overtime	2,733	6,992	5,373	7,822	1,118	8,129
6201 T.M.R.S.	50,739	56,249	60,516	51,131	82,257	82,842
6205 F.I.C.A.	20,918	23,726	26,918	25,220	29,788	29,035
6210 Medicare	4,892	5,549	6,295	5,898	6,966	6,790
6214 Dental Insurance	2,817	2,971	3,460	4,296	3,705	3,991
6215 Hospitalization insurance	66,212	69,035	76,277	97,470	94,229	105,411
6220 Life Insurance	500	551	626	3,336	706	533
6221 Long Term Disability Insurance	823	915	1,053	1,299	1,198	865
6225 Workers Compensation	9,647	9,866	11,124	10,169	12,448	11,707
6230 Vacation leave	3,332	700	9,954	7,676	(1,710)	5,627
6235 Sick leave	(306)	7,498	32,057	8,437	8,554	6,185
6240 Educational assistance	1,839	-	-	-	1,919	14,820
6260 Vacancy Savings	-	-	-	(31,719)	-	(35,155)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>507,094</u>	<u>571,692</u>	<u>668,849</u>	<u>626,601</u>	<u>734,922</u>	<u>709,081</u>
<i>O&amp;M NON-PERSONNEL</i>						
7120 Office supplies	4,490	3,085	4,824	6,200	3,324	6,200
7130 Postage/shipping charges	417	-	51	150	-	150
7140 Training expenses	208	875	475	325	650	325
7145 Travel expenses	472	2,081	879	900	1,709	2,000
7299 Other materials & supplies	882	1,062	312	1,000	641	1,200
7315 Food, meals, ice, water	539	1,266	1,059	1,500	612	1,500
7325 Rental of equip/storage/land	5,109	4,365	3,769	4,300	4,058	4,500
7335 Wearing apparel & dry goods	-	15	-	-	-	-
7635 Software maintenance service fees	-	-	-	1,260	-	-
7645 Maintenance services	1,508	1,238	1,098	1,300	1,463	1,700
7699 Other services	15,000	21,104	28,513	22,000	38,709	45,000
7820 Office furniture & equipment	-	350	4,490	14,000	17,584	25,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>28,625</u>	<u>35,439</u>	<u>45,470</u>	<u>52,935</u>	<u>68,750</u>	<u>87,575</u>
	<b>\$ 535,719</b>	<b>\$ 607,131</b>	<b>\$ 714,319</b>	<b>\$ 679,536</b>	<b>\$ 803,672</b>	<b>\$ 796,656</b>



**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**

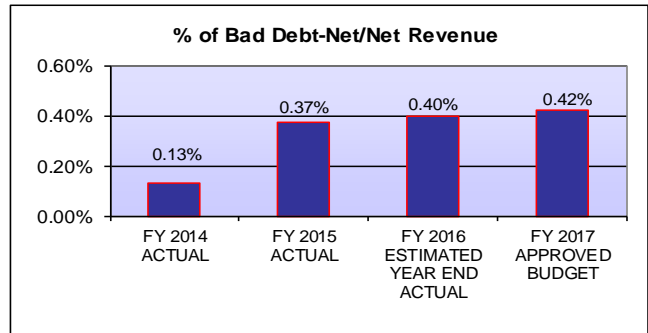
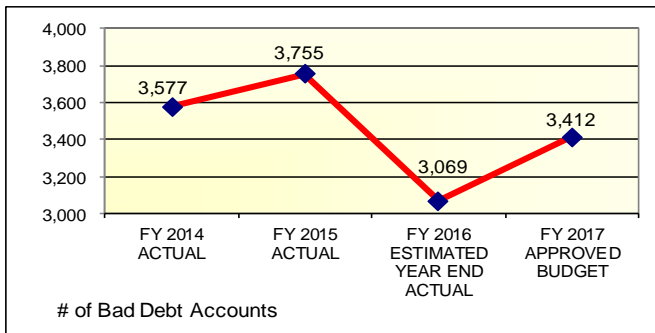
**Department Function:**

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.

	<b>FY 2014 ACTUAL</b>	<b>FY 2015 ACTUAL</b>	<b>FY 2016 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2017 APPROVED BUDGET</b>
<b>INPUT MEASURES</b>				
FTE	4	4	4	4
Personnel O&M Costs	\$ 156,565	\$ 187,039	\$ 191,446	\$ 196,469
Non-Personnel O&M Costs	\$ 3,122	\$ 512,369	\$ 8,541	\$ 709,641
Total O&M Costs	\$ 159,686	\$ 699,408	\$ 199,987	\$ 906,110
<b>OUTPUT MEASURES</b>				
# of Service Orders Reviewed	11,632	36,640	32,702	34,671
# of Accounts Billed	771,466	810,039	752,571	790,200
# of Returned Checks	2,041	2,102	1,771	1,937
# of Bad Debt Accounts	3,577	3,755	3,069	3,412
<b>OUTCOME MEASURES</b>				
Value of Billed Accounts	\$ 195,122,073	\$ 204,878,176	\$ 199,388,682	\$ 203,058,116
Value of Returned Checks	\$ 731,130	\$ 767,687	\$ 857,370	\$ 812,529
Value of Returned Check Fees	\$ 36,966	\$ 38,814	\$ 40,237	\$ 39,527
Value of Bad Debt	\$ 1,215,151	\$ 1,275,909	\$ 1,097,557	\$ 1,186,733
Value of Bad Debt Collections	\$ 110,769	\$ 348,922	\$ 303,921	\$ 326,421
Value of Net Bad Debt	\$ 248,951	\$ 763,341	\$ 793,636	\$ 860,312
<b>EFFICIENCY MEASURES</b>				
% of Bad Debt-Net/Net Revenue	0.13%	0.37%	0.40%	0.42%



## DEPARTMENT 6115 – COLLECTIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 41,394	\$ 9,793	\$ 38,148	\$ 38,002	\$ 38,792	\$ 44,470
6110 Clerical staff	82,208	86,415	85,859	85,426	86,023	85,426
6130 Overtime	34	268	522	924	258	800
6201 T.M.R.S.	18,043	13,747	16,950	15,515	20,777	22,979
6205 F.I.C.A.	7,302	5,726	7,448	7,652	7,408	8,054
6210 Medicare	1,708	1,339	1,742	1,790	1,733	1,883
6214 Dental Insurance	1,107	889	1,091	1,210	1,071	1,210
6215 Hospitalization insurance	29,964	22,865	26,204	30,018	29,709	34,521
6220 Life Insurance	181	143	184	1,012	184	151
6221 Long Term Disability Insurance	324	252	329	432	330	260
6225 Workers Compensation	3,405	2,412	3,113	3,086	3,130	3,247
6230 Vacation leave	(25)	2,552	1,965	2,228	843	1,493
6235 Sick leave	(591)	10,166	3,484	2,449	1,187	1,642
6260 Vacancy Savings	-	-	-	(9,207)	-	(9,667)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>185,055</u>	<u>156,565</u>	<u>187,039</u>	<u>180,536</u>	<u>191,446</u>	<u>196,469</u>
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	120	-	15	360	-	40
7120 Office supplies	515	154	717	1,200	652	1,200
7130 Postage/shipping charges	38	-	-	100	-	100
7140 Training expenses	960	-	75	-	-	-
7145 Travel expenses	359	-	-	-	-	-
7299 Other materials & supplies	561	216	538	500	-	500
7301 Bad debt expense	350,772	2,721	510,974	700,000	15,408	700,000
7302 Bankruptcy expenses	-	-	-	-	(8,400)	3,000
7315 Food, meals, ice, water	508	21	48	500	161	500
7415 Fuels & lubricants	-	-	-	-	-	1
7699 Other services	12	10	2	50	-	3,000
7820 Office furniture & equipment	-	-	-	-	720	1,300
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>353,844</u>	<u>3,122</u>	<u>512,369</u>	<u>702,710</u>	<u>8,541</u>	<u>709,641</u>
	<b>\$ 538,899</b>	<b>\$ 159,686</b>	<b>\$ 699,408</b>	<b>\$ 883,246</b>	<b>\$ 199,987</b>	<b>\$ 906,110</b>



**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. 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.

**INPUT MEASURES**

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

**OUTPUT MEASURES**

# of Accounts Billed  
 # of Billing Issues

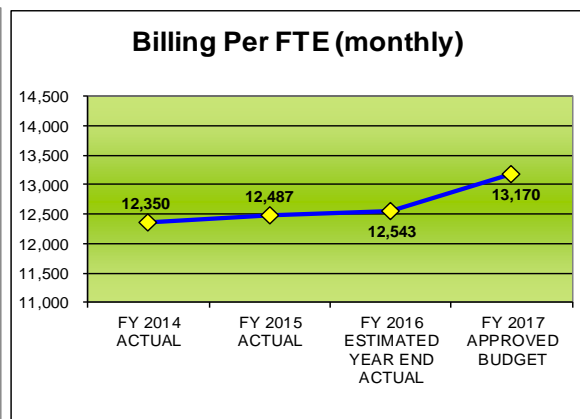
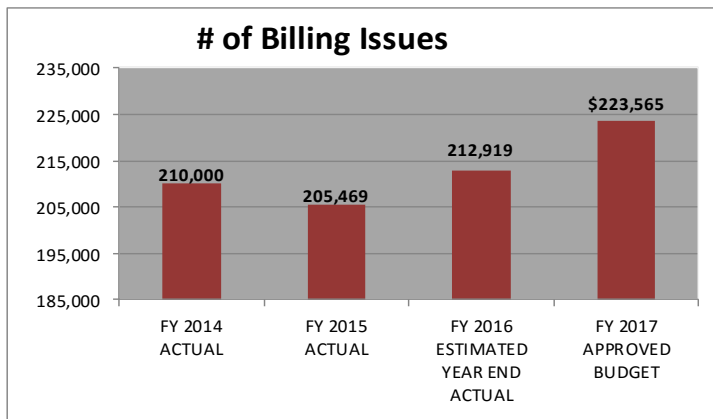
**OUTCOME MEASURES**

Value of Accounts Billed  
 Fiscal Year A/R Balance

**EFFICIENCY MEASURES**

% A/R < 39 days  
 Average Days in Receivables  
 Billing Per FTE (monthly)  
 Hi Lo & Billing Issues Per FTE (monthly)

	<b>FY 2014 ACTUAL</b>	<b>FY 2015 ACTUAL</b>	<b>FY 2016 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2017 APPROVED BUDGET</b>
FTE	7	7	8	7
Personnel O&M Costs	\$ 297,659	\$ 350,094	\$ 368,354	\$ 335,435
Non-Personnel O&M Costs	\$ 428,974	\$ 442,449	\$ 468,555	\$ 505,421
Total O&M Costs	\$ 726,634	\$ 792,543	\$ 836,909	\$ 840,856
# of Accounts Billed	741,000	749,242	752,571	\$ 790,200
# of Billing Issues	210,000	205,469	212,919	\$ 223,565
Value of Accounts Billed	\$ 195,122,073	\$ 199,688,531	\$ 193,388,682	\$ 203,058,116
Fiscal Year A/R Balance	\$ 15,236,711	\$ 15,998,546	\$ 16,115,723	\$ 16,921,509
% A/R < 39 days	95.00%	95.00%	95.00%	0.00%
Average Days in Receivables	25.00	25.00	25.00	-
Billing Per FTE (monthly)	12,350	12,487	12,543	13,170
Hi Lo & Billing Issues Per FTE (monthly)	3,500	3,424	3,549	3,726





## DEPARTMENT 6120 – BILLING

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 40,947	\$ 47,032	\$ 47,126	\$ 46,946	\$ 47,205	\$ 50,274
6110 Clerical staff	133,190	127,763	144,321	137,946	164,243	140,587
6115 Operational staff	23,772	25,087	25,652	25,376	25,560	25,376
6130 Overtime	313	902	1,574	1,835	1,304	1,966
6201 T.M.R.S.	28,924	29,063	31,648	26,432	39,648	38,252
6205 F.I.C.A.	11,643	11,925	13,455	13,037	13,722	13,407
6210 Medicare	2,723	2,789	3,147	3,049	3,209	3,135
6214 Dental Insurance	1,970	1,823	1,738	2,118	2,130	2,117
6215 Hospitalization insurance	49,721	47,152	49,068	58,359	63,188	67,113
6220 Life Insurance	299	298	294	1,724	357	255
6221 Long Term Disability Insurance	524	530	531	736	634	432
6225 Workers Compensation	5,447	5,095	5,386	5,257	5,977	5,406
6230 Vacation leave	1,945	1,510	6,222	3,884	(973)	2,856
6235 Sick leave	5,763	(3,309)	19,932	4,269	2,150	3,139
6260 Vacancy Savings	-	-	-	(16,049)	-	(18,880)
<i>O&amp;M PERSONNEL TOTAL</i>	307,180	297,659	350,094	314,916	368,354	335,435
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	143	-	-	-	-
7110 Dues & memberships	135	180	180	420	380	420
7120 Office supplies	836	1,564	1,030	1,200	1,012	1,200
7130 Postage/shipping charges	307,823	332,325	315,269	345,000	317,064	345,000
7140 Training expenses	-	-	75	-	-	-
7299 Other materials & supplies	76,975	28,647	57,176	62,000	42,793	62,000
7315 Food, meals, ice, water	292	105	74	300	110	300
7325 Rental of equip/storage/land	54,327	52,379	49,664	93,500	98,295	85,000
7335 Wearing apparel & dry goods	169	65	129	300	587	500
7415 Fuels & lubricants	3,508	3,033	2,300	4,000	2,084	4,000
7635 Software maintenance service fees	4,773	4,745	5,490	5,700	5,545	5,700
7645 Maintenance services	-	944	6,122	2,000	276	1
7801 Communication equipment	-	-	-	500	-	500
7820 Office furniture & equipment	-	4,845	4,942	-	411	800
<i>O&amp;M NON-PERSONNEL TOTAL</i>	448,839	428,974	442,449	514,920	468,555	505,421
	<b>\$ 756,020</b>	<b>\$ 726,634</b>	<b>\$ 792,543</b>	<b>\$ 829,836</b>	<b>\$ 836,909</b>	<b>\$ 840,856</b>



**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**

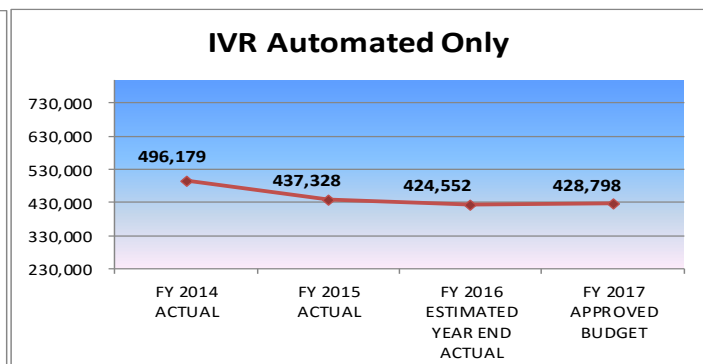
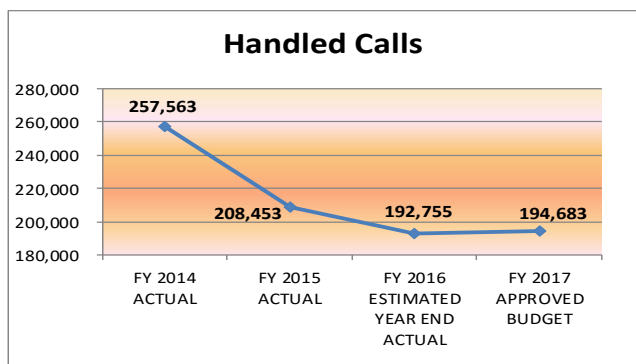
**Department Function:**

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 City Works 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.

	<b>FY 2014 ACTUAL</b>	<b>FY 2015 ACTUAL</b>	<b>FY 2016 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2017 APPROVED BUDGET</b>
<b>INPUT MEASURES</b>				
FTE's	10	10	11	11
Personnel O & M Expenses	\$ 464,653	\$ 445,705	\$ 524,988	\$ 505,958
Non Personnel O & M Expenses	\$ 5,357	\$ 8,058	\$ 6,405	\$ 11,660
Total O & M Expenses	\$ 470,010	\$ 453,763	\$ 531,393	\$ 517,618
<b>OUTPUT MEASURES</b>				
Handled Calls	257,563	208,453	192,755	194,683
IVR Automated Only	496,179	437,328	424,552	428,798
Total Calls	753,742	645,781	617,307	623,480
<b>OUTCOME MEASURES</b>				
Number of Accounts	61,532	62,799	63,750	64,750
Percent Customer Base Interactions	35%	28%	25%	25%
Average Wait Time in Minutes	5	5	3	3
<b>EFFICIENCY MEASURES</b>				
Average Cost Per Call	\$ 0.62	\$ 0.70	\$ 0.86	\$ 0.83
Transactions Handled per Agent	25,756	20,845	17,523	17,698



## DEPARTMENT 6125 - CALL CENTER

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 40,822	\$ 41,614	\$ 41,864	\$ 41,704	\$ 42,246	\$ 46,051
6110 Clerical staff	249,156	253,388	253,656	322,421	295,062	278,845
6130 Overtime	2,159	8,227	4,654	6,226	1,317	6,700
6201 T.M.R.S.	42,617	43,711	40,959	45,770	56,576	57,474
6205 F.I.C.A.	17,474	18,084	17,719	22,576	19,796	20,144
6210 Medicare	4,087	4,229	4,144	5,280	4,630	4,711
6214 Dental Insurance	2,962	2,818	2,725	3,933	3,105	3,326
6215 Hospitalization insurance	68,800	68,931	65,302	95,573	88,274	96,883
6220 Life Insurance	436	441	440	2,986	509	387
6221 Long Term Disability Insurance	761	778	779	1,274	900	650
6225 Workers Compensation	8,041	7,778	7,529	9,103	8,569	8,122
6230 Vacation leave	(167)	3,577	3,690	6,663	(527)	3,879
6235 Sick leave	9,208	6,455	2,242	7,323	4,531	4,263
6240 Educational assistance	1,852	4,623	-	-	-	-
6260 Vacancy Savings	-	-	-	(27,531)	-	(25,478)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>448,206</u>	<u>464,653</u>	<u>445,705</u>	<u>543,300</u>	<u>524,988</u>	<u>505,958</u>
<i>O&amp;M NON-PERSONNEL</i>						
7120 Office supplies	4,188	3,065	3,703	4,500	2,166	4,500
7130 Postage/shipping charges	-	-	-	100	-	100
7140 Training expenses	208	-	400	325	-	-
7145 Travel expenses	-	-	881	900	-	-
7299 Other materials & supplies	546	87	183	350	146	1,060
7315 Food, meals, ice, water	399	967	804	800	654	1,000
7645 Maintenance services	8,058	1,238	1,074	1,200	1,272	1,500
7699 Other services	-	-	-	500	415	-
7820 Office furniture & equipment	-	-	1,014	3,350	1,752	3,500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>13,399</u>	<u>5,357</u>	<u>8,058</u>	<u>12,025</u>	<u>6,405</u>	<u>11,660</u>
	<b>\$ 461,606</b>	<b>\$ 470,010</b>	<b>\$ 453,763</b>	<b>\$ 555,325</b>	<b>\$ 531,393</b>	<b>\$ 517,618</b>



**BROWNSVILLE  
PUBLIC UTILITIES BOARD**



Department Responsibility: Norma A. Gomez

Title: CIS Support Manager

**PERFORMANCE MEASURES  
FOR THE  
METER SERVICES DEPARTMENT**

Telephone Ext: 6133

Dept. No. 6130

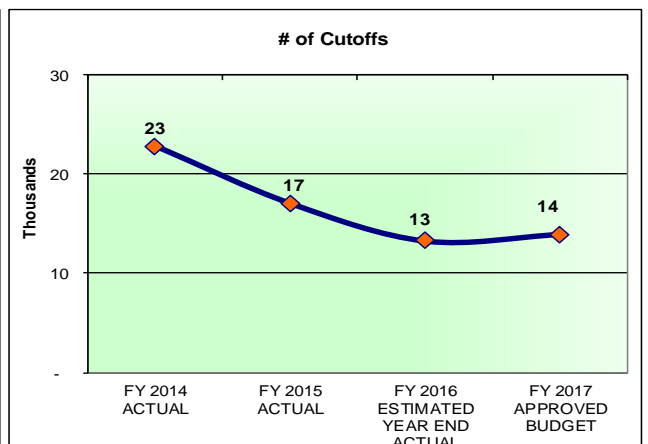
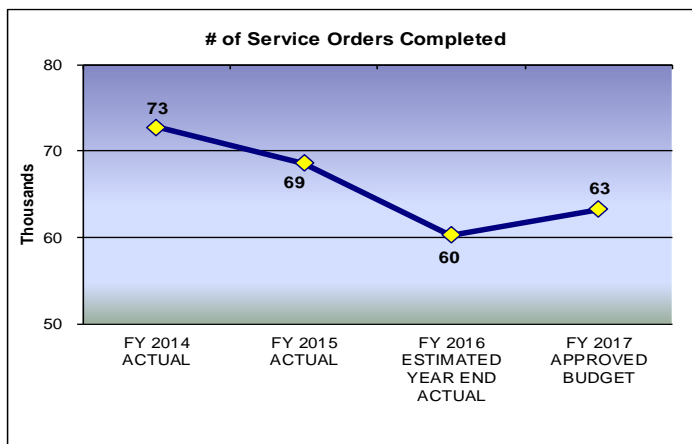
**Department Function:**

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.

	<b>FY 2014 ACTUAL</b>	<b>FY 2015 ACTUAL</b>	<b>FY 2016 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2017 APPROVED BUDGET</b>
<b>INPUT MEASURES</b>				
FTE	9	9	9	10
Personnel O&M Costs	\$ 444,593	\$ 479,425	\$ 450,573	\$ 517,945
Non-Personnel O&M Costs	\$ 53,774	\$ 73,401	\$ 56,116	\$ 67,509
Total O&M Costs	\$ 498,367	\$ 552,826	\$ 506,689	\$ 585,454
<b>OUTPUT MEASURES</b>				
# of Service Orders Completed	72,762	68,609	60,251	63,264
# of Cutoffs	22,824	17,074	13,299	13,964
# of New Connects & Transfers	16,506	16,518	15,499	16,274
# of Cutoffs at the Pole	4	1	2	4
<b>OUTCOME MEASURES</b>				
Value of Reconnect Fees	\$ 904,275	\$ 860,400	\$ 876,975	\$ 920,824
Value of Cutoff@ Pole	\$ 600	\$ 150	\$ 250	\$ 600
<b>EFFICIENCY MEASURES</b>				
Cost Per Service Order	\$ 6.85	\$ 8.06	\$ 8.41	\$ 9.25



## DEPARTMENT 6130 – METER SERVICES

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ -	\$ 8,432	\$ 35,496	\$ 35,360	\$ 11,152	\$ 35,069
6115 Operational staff	274,311	273,479	269,034	270,171	276,566	298,584
6130 Overtime	12,714	15,938	16,424	21,377	16,573	23,225
6201 T.M.R.S.	41,882	44,618	44,376	38,405	50,433	59,023
6205 F.I.C.A.	17,175	18,646	19,344	18,943	18,109	20,686
6210 Medicare	4,017	4,361	4,524	4,430	4,235	4,838
6214 Dental Insurance	2,228	2,246	2,404	2,723	2,223	3,024
6215 Hospitalization insurance	57,004	58,917	61,530	70,561	62,104	79,694
6220 Life Insurance	392	408	440	2,505	412	381
6221 Long Term Disability Insurance	713	741	800	1,069	749	667
6225 Workers Compensation	7,893	7,843	8,166	7,638	7,643	8,341
6230 Vacation leave	4,778	2,727	4,875	5,467	(2,862)	3,672
6235 Sick leave	5,182	6,240	12,012	6,009	3,234	4,036
6260 Vacancy Savings	-	-	-	(22,590)	-	(23,296)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>428,288</u>	<u>444,593</u>	<u>479,425</u>	<u>462,068</u>	<u>450,573</u>	<u>517,945</u>
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	-	20	45	180	-	180
7120 Office supplies	574	720	792	2,000	993	2,000
7140 Training expenses	3,840	-	2,502	590	-	590
7145 Travel expenses	1,687	-	1,780	1,954	-	1,954
7180 Utilities - departmental	-	-	-	6,000	-	6,000
7225 Safety supplies	126	109	496	1,092	572	1,092
7299 Other materials & supplies	14,129	9,578	16,845	10,000	9,581	10,000
7315 Food, meals, ice, water	176	96	279	300	110	300
7325 Rental of equip/storage/land	6,270	-	7,631	7,950	7,243	7,950
7335 Wearing apparel & dry goods	2,303	5,482	8,395	8,220	12,965	8,220
7415 Fuels & lubricants	32,105	30,622	24,618	25,000	21,722	25,000
7505 Maint. of communication equipment	780	-	-	500	-	500
7635 Software maintenance service fees	-	6,930	2,930	3,223	2,930	3,223
7805 Computer equipment	175	-	-	-	-	-
7820 Office furniture & equipment	-	217	7,088	-	-	-
7835 Tools, shop and garage equipment	230	-	-	500	-	500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>62,394</u>	<u>53,774</u>	<u>73,401</u>	<u>67,509</u>	<u>56,116</u>	<u>67,509</u>
	<b>\$ 490,682</b>	<b>\$ 498,367</b>	<b>\$ 552,826</b>	<b>\$ 529,577</b>	<b>\$ 506,689</b>	<b>\$ 585,454</b>



**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

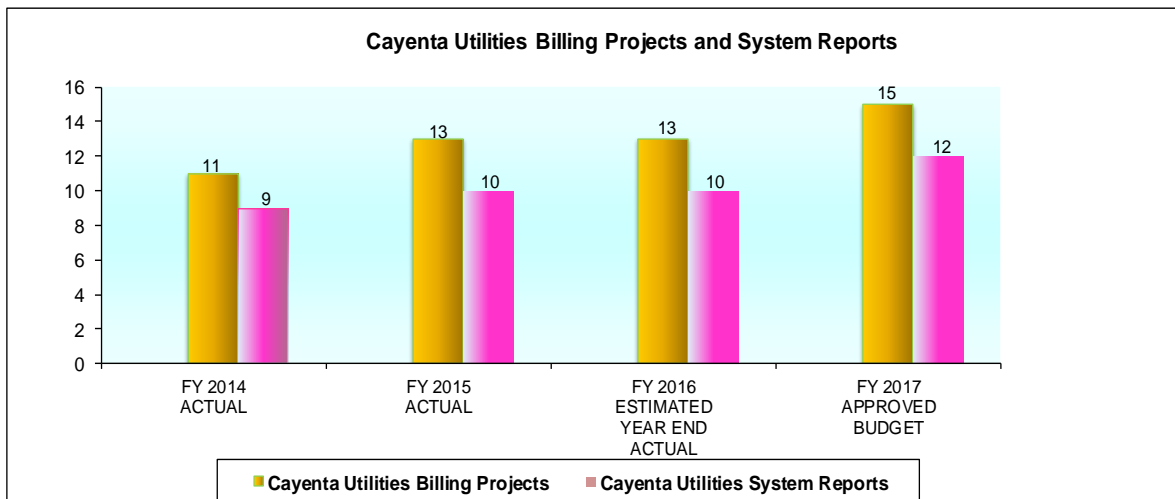
**OUTPUT MEASURES**

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%)

	<b>FY 2014 ACTUAL</b>	<b>FY 2015 ACTUAL</b>	<b>FY 2016 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2017 APPROVED BUDGET</b>
Employees (FTE's)	3	3	3	3
O&M Expenses	\$ 345,706	\$ 414,970	\$ 378,490	\$ 440,992
Cayenta Utilities Billing Projects	11	13	13	15
Cayenta Utilities System Reports	9	10	10	12
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 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 76,761	\$ 79,949	\$ 80,973	\$ 80,662	\$ 80,928	\$ 80,662
6110 Clerical staff	70,436	74,891	76,077	75,046	75,783	75,046
6130 Overtime	1,170	867	1,912	2,977	363	2,977
6201 T.M.R.S.	21,648	22,200	21,635	19,573	26,144	27,545
6205 F.I.C.A.	9,025	9,374	9,374	9,654	9,502	9,654
6210 Medicare	2,111	2,192	2,192	2,258	2,222	2,258
6214 Dental Insurance	844	823	816	908	804	907
6215 Hospitalization insurance	19,416	20,205	21,387	24,209	20,443	22,754
6220 Life Insurance	202	210	213	1,277	214	166
6221 Long Term Disability Insurance	387	405	411	545	414	311
6225 Workers Compensation	4,073	3,893	3,974	3,893	3,940	3,893
6230 Vacation leave	2,903	(440)	1,248	2,638	(69)	1,884
6235 Sick leave	2,347	2,678	-	2,900	-	2,071
6260 Vacancy Savings	-	-	-	(10,901)	-	(11,125)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>211,322</u>	<u>217,248</u>	<u>220,210</u>	<u>215,637</u>	<u>220,688</u>	<u>219,003</u>
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	90	30	45	200	-	200
7120 Office supplies	1,362	(74)	240	1,800	915	1,800
7130 Postage/shipping charges	-	-	-	100	-	100
7140 Training expenses	425	1,750	3,700	1,700	1,625	3,000
7145 Travel expenses	3,229	1,096	4,281	3,500	3,466	3,314
7299 Other materials & supplies	36	279	116	300	175	300
7315 Food, meals, ice, water	187	531	387	600	135	500
7415 Fuels & lubricants	-	-	-	-	19	-
7635 Software maintenance service fees	129,347	119,398	183,392	215,155	129,658	172,775
7699 Other services	8,400	5,447	740	85,000	19,356	40,000
7820 Office furniture & equipment	-	-	1,858	-	2,453	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>143,076</u>	<u>128,458</u>	<u>194,760</u>	<u>308,355</u>	<u>157,802</u>	<u>221,989</u>
	<b>\$ 354,398</b>	<b>\$ 345,706</b>	<b>\$ 414,970</b>	<b>\$ 523,992</b>	<b>\$ 378,490</b>	<b>\$ 440,992</b>



**BROWNSVILLE  
PUBLIC UTILITIES BOARD**



**Department Responsibility:** Eddy Hernandez  
**Title:** Director of Customer/Info. Svcs.  
**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) 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

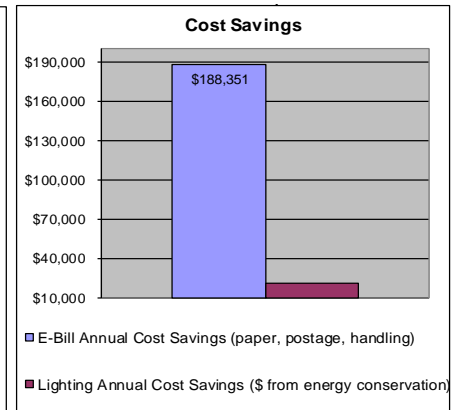
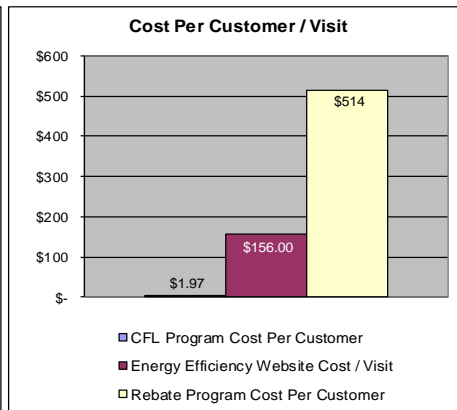
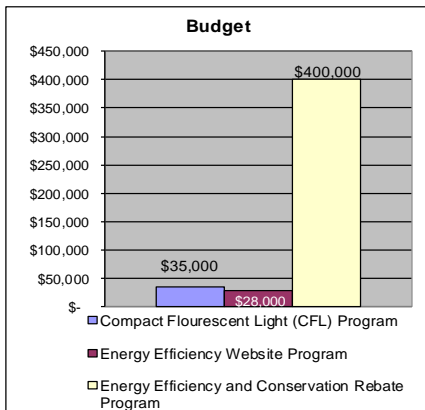
**OUTCOME MEASURES**

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 2014 ACTUAL	FY 2015 ACTUAL	FY 2016 ESTIMATED YEAR END ACTUAL	FY 2017 APPROVED BUDGET
1	1	1	1
\$ 25,000	\$ 35,000	\$ 35,000	\$ 37,500
\$ 51,000	\$ 51,000	\$ 28,000	\$ 28,000
\$ 57,500	\$ 365,000	\$ 400,000	\$ 410,000
N/A	N/A	N/A	\$ 250,000
N/A	N/A	N/A	\$ 410,000
\$ 57,500	\$ 50,000	\$ 50,000	\$ 35,000
500	750	179	350
15,000	15,000	8,000	9,000
260	300	779	800
47	65	100	70
108,876	110,000	148,308	152,000
\$ 1.97	\$ 1.97	\$ 1.97	\$ 2.50
\$ 102.00	\$ 68.00	\$ 156.00	\$ 80.00
\$ 556	\$ 600	\$ 514	\$ 525
\$ 133,917	\$ 135,000	\$ 188,351	\$ 193,040
\$ 21,000	\$ 21,000	\$ 21,000	\$ 21,000





**DEPARTMENT 6145 – ENERGY EFFICIENCY & CONSERVATION**

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6105 Administrative Staff	\$ 45,423	\$ 46,052	\$ 29,850	\$ -	\$ 17,799	\$ 42,307
6201 T.M.R.S.	6,629	6,567	4,093	-	3,145	7,484
6205 F.I.C.A.	2,822	2,861	1,855	-	1,058	2,623
6210 Medicare	660	669	434	-	248	613
6214 Dental Insurance	278	275	178	-	115	302
6215 Hospitalization insurance	5,563	5,325	3,427	-	3,569	9,392
6220 Life Insurance	61	64	43	-	24	47
6221 Long Term Disability Insurance	116	121	83	-	46	85
6225 Workers Compensation	1,251	1,151	746	-	447	1,058
6230 Vacation leave	(68)	(624)	(3,109)	-	1,241	512
6235 Sick leave	2,037	2,687	(11,794)	-	5,736	563
6260 Vacancy Savings	-	-	-	-	-	(3,186)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>64,774</u>	<u>65,147</u>	<u>25,807</u>	<u>-</u>	<u>33,428</u>	<u>61,800</u>
<i>O&amp;M NON-PERSONNEL</i>						
7102 Sponsorships	-	-	-	1,000	-	2,500
7105 Books & periodicals	-	-	-	200	-	200
7110 Dues & memberships	-	-	-	100	-	100
7120 Office supplies	75	60	51	200	355	200
7130 Postage/shipping charges	74	-	-	50	62	50
7140 Training expenses	325	365	325	800	1,595	3,100
7145 Travel expenses	1,134	1,291	927	1,600	247	4,000
7299 Other materials & supplies	375	137	54	200	25	400
7315 Food, meals, ice, water	12	12	12	25	-	25
7340 Promo Exp-Enrgy Efficiency & Consv	20,688	27,984	25,513	37,500	27,141	37,500
7345 Rebate Exp-Enrgy Efficiency & Cnsrv	113,598	153,781	187,728	150,000	293,430	160,000
7346 Water Efficiency Program	-	-	-	10,000	-	10,000
7347 Commercial & Industrial Rebate Prog	-	-	-	250,000	143,818	250,000
7635 Software maintenance service fees	51,000	51,000	39,125	28,000	28,035	28,000
7699 Other services	-	-	-	5,000	-	10,000
7805 Computer equipment	-	-	-	250	300	250
7820 Office furniture & equipment	-	-	-	500	442	500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>187,281</u>	<u>234,631</u>	<u>253,735</u>	<u>485,425</u>	<u>495,450</u>	<u>506,825</u>
	<b>\$ 252,055</b>	<b>\$ 299,778</b>	<b>\$ 279,542</b>	<b>\$ 485,425</b>	<b>\$ 528,878</b>	<b>\$ 568,625</b>



**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**

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

**OUTPUT MEASURES**

# of Meter Reads  
 # of Meters Estimated

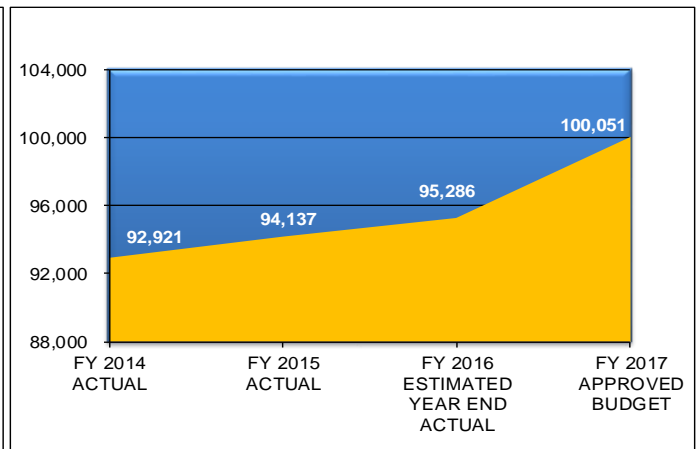
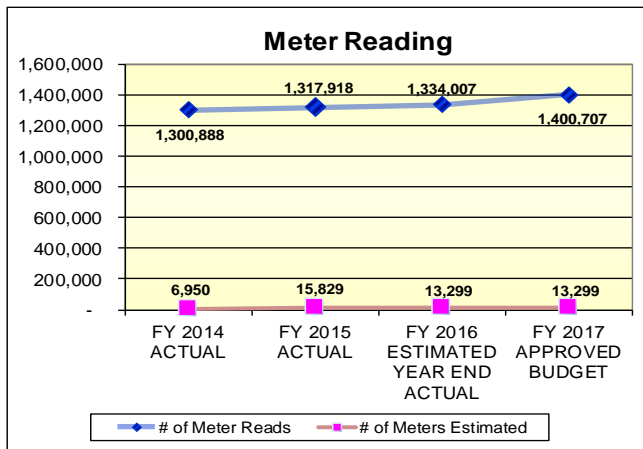
**OUTCOME MEASURES**

% of Estimated Readings  
 % of Radio Frequency Meters Installed

**EFFICIENCY MEASURES**

Cost Per Meter Read -BPUB  
 Best Performer Full AMR (cost per read)  
 Best Performer Minimal AMR (cost per read)  
 Meters Read Per FTE (annual)  
 Meters Read Per FTE (daily)

	FY 2014 ACTUAL	FY 2015 ACTUAL	FY 2016 ESTIMATED YEAR END ACTUAL	FY 2017 APPROVED BUDGET
FTE	15	15	15	15
Personnel O&M Costs	\$ 548,525	\$ 580,850	\$ 536,150	\$ 627,770
Non-Personnel O & M Costs	\$ 65,156	\$ 136,835	\$ 73,750	\$ 87,340
Total O&M Costs	\$ 613,681	\$ 717,685	\$ 609,900	\$ 715,110
# of Meter Reads	1,300,888	1,317,918	1,334,007	1,400,707
# of Meters Estimated	6,950	15,829	13,299	13,299
% of Estimated Readings	0.53%	1.20%	1.00%	0.95%
% of Radio Frequency Meters Installed	8%	8%	8%	8%
Cost Per Meter Read -BPUB	\$ 0.47	\$ 0.54	\$ 0.46	\$ 0.51
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)	92,921	94,137	95,286	100,051
Meters Read Per FTE (daily)	373	378	383	402



## DEPARTMENT 6150 – METER READING

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 38,293	\$ 24,072	\$ 35,496	\$ 35,360	\$ 22,353	\$ 79,290
6115 Operational staff	345,489	346,453	340,598	349,211	309,528	321,277
6130 Overtime	8,546	13,684	11,552	16,369	7,959	17,362
6201 T.M.R.S.	57,632	55,746	52,971	48,341	56,894	70,860
6205 F.I.C.A.	23,849	23,481	23,157	23,843	20,506	24,835
6206 Suta	-	-	1,354	-	4,526	-
6210 Medicare	5,578	5,492	5,416	5,576	4,796	5,808
6214 Dental Insurance	3,993	3,856	3,967	4,538	3,501	4,536
6215 Hospitalization insurance	91,479	89,161	93,814	107,483	88,019	113,099
6220 Life Insurance	581	568	582	3,153	518	484
6221 Long Term Disability Insurance	1,010	984	1,006	1,346	891	801
6225 Workers Compensation	10,832	9,776	9,734	9,614	8,678	10,014
6230 Vacation leave	(304)	(3,310)	3,843	7,120	1,821	4,631
6235 Sick leave	4,442	(21,439)	(2,641)	7,827	6,159	5,090
6260 Vacancy Savings	-	-	-	(29,423)	-	(30,317)
<i>O&amp;M PERSONNEL TOTAL</i>	591,421	548,525	580,850	590,359	536,150	627,770
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	659	80	45	500	139	800
7120 Office supplies	687	402	472	1,000	1,062	1,000
7130 Postage/shipping charges	2,306	2,024	318	3,000	97	3,000
7140 Training expenses	-	-	214	-	-	-
7180 Utilities - departmental	-	-	571	-	3,325	3,300
7190 Utilities - CP&L & Mvec	-	502	-	240	-	-
7190 Utilities - CP&L & Mvec	-	-	477	-	500	240
7225 Safety supplies	2,826	835	1,292	3,000	1,409	3,000
7299 Other materials & supplies	17,073	9,949	10,665	10,000	2,639	22,000
7310 Federal, state, & local fees	10	-	100	100	-	100
7315 Food, meals, ice, water	648	1,062	618	600	410	600
7325 Rental of equip/storage/land	-	-	5,517	7,800	7,243	7,800
7335 Wearing apparel & dry goods	5,198	10,839	20,103	18,000	21,434	18,000
7415 Fuels & lubricants	31,642	28,626	18,793	27,000	16,950	15,000
7505 Maint. of communication equipment	1,044	-	1,040	1,500	2,085	1,500
7645 Maintenance services	10,468	10,635	2,782	10,000	15,654	10,000
7699 Other services	-	-	3,920	-	-	-
7801 Communication equipment	600	-	69,516	1,300	-	-
7820 Office furniture & equipment	788	-	178	-	-	-
7899 Other minor tools & equipment	341	203	215	1,000	802	1,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	74,289	65,156	136,835	85,040	73,750	87,340
	\$ 665,710	\$ 613,681	\$ 717,685	\$ 675,399	\$ 609,900	\$ 715,110



**BROWNSVILLE  
PUBLIC UTILITIES BOARD**



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

**PERFORMANCE MEASURES  
FOR THE  
CASHIERS DEPARTMENT**

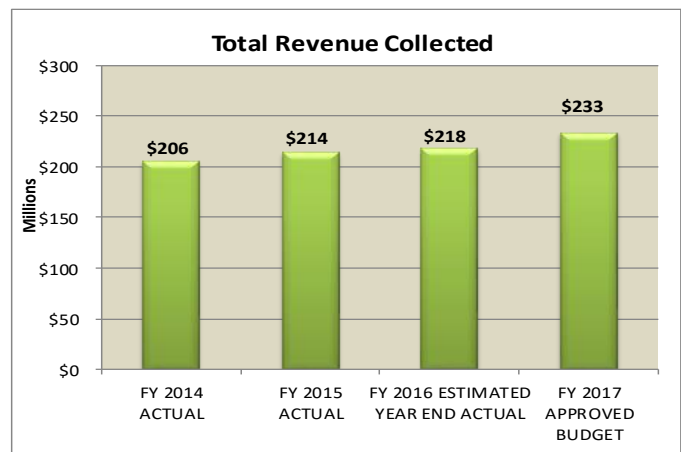
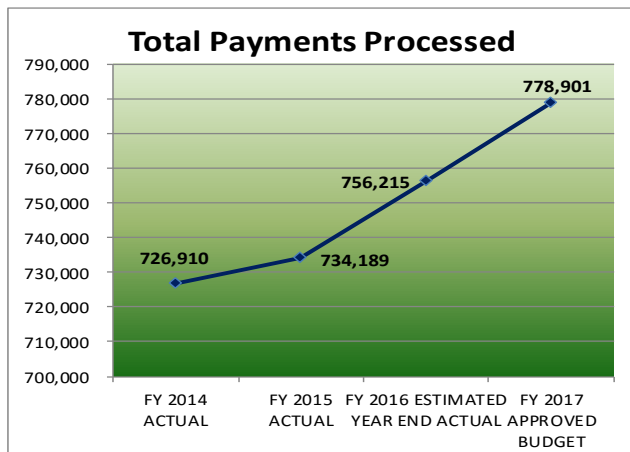
**Department Function:**

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.

	<b>FY 2014 ACTUAL</b>	<b>FY 2015 ACTUAL</b>	<b>FY 2016 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2017 APPROVED BUDGET</b>
<b>INPUT MEASURES</b>				
FTE's	9	9	9	9
Personnel O & M Expenses	\$ 370,525	\$ 375,827	\$ 371,969	\$ 415,518
Non-Personnel O & M Expenses	\$ 492,112	\$ 446,815	\$ 509,526	\$ 447,400
Total Expenses	\$ 862,637	\$ 822,642	\$ 881,495	\$ 862,918
<b>OUTPUT MEASURES</b>				
Cashier Handled Payments	356,178	338,682	348,842	359,308
Automated Payments	370,732	395,507	407,372	419,593
Total Payments Processed	726,910	734,189	756,215	778,901
<b>OUTCOME MEASURES</b>				
Number of Accounts	61,532	62,799	63,750	64,750
Total Revenue Collected	\$ 205,577,974	\$ 213,844,941	\$ 218,121,840	\$ 233,390,369
<b>EFFICIENCY MEASURES</b>				
Transactions Per FTE	90,864	91,774	94,527	97,363
Cost Per Payment	\$ 1.19	\$ 1.12	\$ 1.17	\$ 1.11



## DEPARTMENT 6160 - CASHIERS

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 40,822	\$ 39,528	\$ 39,213	\$ 39,062	\$ 39,780	\$ 45,760
6110 Clerical staff	191,958	194,991	201,587	192,878	193,089	220,709
6130 Overtime	4,507	7,876	7,904	8,382	5,378	9,732
6201 T.M.R.S.	34,627	34,562	35,774	29,155	40,372	47,138
6205 F.I.C.A.	14,510	14,534	15,621	14,380	14,363	16,521
6210 Medicare	3,393	3,399	3,653	3,363	3,359	3,864
6214 Dental Insurance	2,218	2,147	2,158	2,420	2,129	2,721
6215 Hospitalization insurance	47,559	50,230	53,761	60,037	59,457	75,724
6220 Life Insurance	347	343	355	1,902	350	315
6221 Long Term Disability Insurance	613	608	631	812	619	533
6225 Workers Compensation	6,528	6,060	6,574	5,799	6,164	6,662
6230 Vacation leave	2,597	2,076	4,432	4,233	1,374	3,179
6235 Sick leave	1,131	14,172	4,162	4,652	5,538	3,495
6260 Vacancy Savings	-	-	-	(17,490)	-	(20,835)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>350,813</u>	<u>370,525</u>	<u>375,827</u>	<u>349,584</u>	<u>371,969</u>	<u>415,518</u>
<i>O&amp;M NON-PERSONNEL</i>						
7120 Office supplies	2,986	3,957	7,197	9,000	6,727	9,000
7130 Postage/shipping charges	-	-	-	250	-	700
7140 Training expenses	178	-	-	-	-	-
7299 Other materials & supplies	885	1,155	286	2,000	259	4,500
7315 Food, meals, ice, water	382	772	671	700	611	1,000
7635 Software maintenance service fees	3,245	3,245	3,245	3,300	3,245	4,300
7645 Maintenance services	6,540	5,643	5,037	12,500	5,037	12,500
7650 Security services	3,467	3,622	3,763	4,100	3,115	4,400
7699 Other services	328,288	470,047	424,121	398,000	482,546	400,000
7820 Office furniture & equipment	2,585	3,671	2,494	10,658	7,987	11,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>348,555</u>	<u>492,112</u>	<u>446,815</u>	<u>440,508</u>	<u>509,526</u>	<u>447,400</u>
	<b>\$ 699,368</b>	<b>\$ 862,637</b>	<b>\$ 822,642</b>	<b>\$ 790,092</b>	<b>\$ 881,495</b>	<b>\$ 862,918</b>



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

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

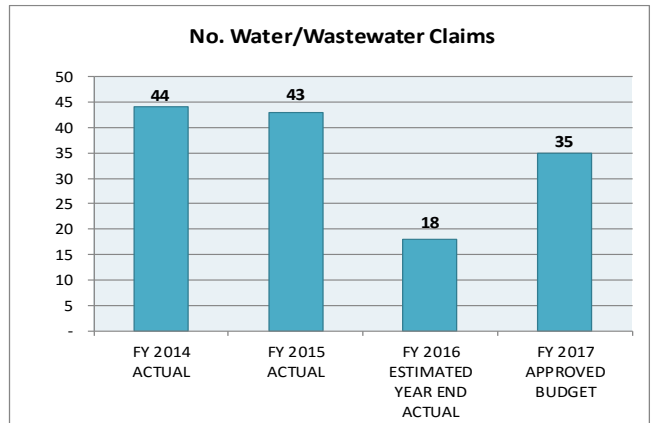
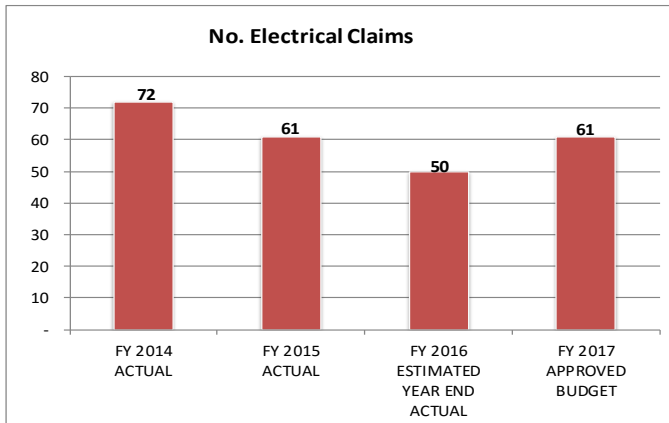
**Department Function:**

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 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.

	FY 2014 ACTUAL	FY 2015 ACTUAL	FY 2016 ESTIMATED YEAR END ACTUAL	FY 2017 APPROVED BUDGET
<b>INPUT MEASURES</b>				
Employees	2	2	2	2
O&M Expenditures	\$ 1,976,056	\$ 2,101,642	\$ 1,956,302	2,376,215
<b>OUTPUT MEASURES</b>				
Operational Reports (monthly)	12	12	12	12
No. of Claims Filed with Insurance	87	113	108	103
No. of Paid Claims Filed with Insurance	17	15	6	13
No. of Denied Claims Filed with Insurance	69	73	67	70
Number of claims in Litigation	3	10	4	6
No. Electrical claims	72	61	50	61
No. Electrical claims Subrogated	25	17	7	16
No. Electrical claims Subrogated and paid	5	8	-	4
No. Electrical claims unable to Subrogate	47	24	36	36
No. Water/Wastewater Claims	44	43	18	35
No. Water/Wastewater Claims subrogated	8	12	4	8
No. Water/Wastewater Claims subrogated and paid	-	3	-	1
No. Water/Wastewater Claims unable to subrogate	36	21	11	23
<b>OUTCOME MEASURES</b>				
Maintain Claims Logs	Y	Y	Y	Y
Track Timeliness of Claim Processing	Y	Y	Y	Y
<b>EFFICIENCY MEASURES</b>				
Avg No. of Claims filed with insurance Per Month	7	2	8	6
Avg Cost of Claim (\$)	\$ 751.00	\$ 2,839.00	\$ 1,250.00	\$ 1,613.33
Avg No. of Subrogated Claims Per Month	3	2	3	3
Avg Electric Claim Subrogated Amount (\$)	\$ 1,245.00	\$ 3,712.00	\$ 1,900.00	\$ 2,285.67
Avg Water/Wastewater Claim Subrogated Amount (\$)	\$ -	\$ 3,630.00	\$ 1,100.00	\$ 1,576.67
Avg cost of Claims in Litigation (\$)	\$ 75,000.00	\$ 250,000.00	\$ 123,200.00	\$ 123,200.00



## DEPARTMENT 7120 – RISK / INSURANCE MANAGEMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ -	\$ -	\$ 4,339	\$ -	\$ 63,092	\$ 62,670
6105 Administrative Staff	89,693	103,215	95,741	104,146	-	35,069
6201 T.M.R.S.	13,065	14,716	13,630	13,091	10,576	17,290
6205 F.I.C.A.	5,569	6,309	5,972	6,457	3,810	6,060
6210 Medicare	1,302	1,475	1,397	1,510	891	1,417
6214 Dental Insurance	499	549	514	605	268	605
6215 Hospitalization insurance	11,437	13,380	13,904	16,333	8,081	16,073
6220 Life Insurance	121	140	138	854	84	102
6221 Long Term Disability Insurance	234	271	268	365	166	195
6225 Workers Compensation	2,426	2,628	2,532	2,604	1,597	2,443
6230 Vacation leave	1,761	(48)	(2,197)	1,766	723	1,332
6235 Sick leave	6,275	3,625	2,014	1,941	-	1,464
6240 Educational assistance	-	571	-	-	-	-
6260 Vacancy Savings	-	-	-	(7,298)	-	(7,856)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>132,383</u>	<u>146,832</u>	<u>138,251</u>	<u>142,374</u>	<u>89,288</u>	<u>136,865</u>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	364	-	-	-
7110 Dues & memberships	880	880	-	1,500	-	1,300
7120 Office supplies	358	58	77	200	100	200
7125 Photo equipment/supplies	130	-	-	-	-	-
7130 Postage/shipping charges	107	489	168	150	175	200
7135 Telephone expenses	100	-	-	-	-	-
7140 Training expenses	526	100	1,465	2,500	-	-
7145 Travel expenses	936	2,659	1,314	2,500	556	-
7225 Safety supplies	59	131	135	150	17	150
7299 Other materials & supplies	4,337	292	-	-	-	-
7310 Federal, state, & local fees	19	-	-	-	-	-
7315 Food, meals, ice, water	35	24	24	-	25	-
7380 Insurance - general liability	54,829	64,497	64,882	71,000	66,058	78,000
7381 Insurance - boiler,mchnry.property	982,735	1,063,925	1,046,039	1,200,000	1,002,998	1,300,000
7382 Insurance - blanket bond	1,703	1,582	4,040	1,000	4,141	2,000
7384 Insurance - public officials liab	63,960	74,241	73,611	91,650	67,870	80,500
7385 Insurance - comprehensive auto liab	87,524	103,845	109,393	109,378	107,236	110,000
7386 Insurance - umbrella liability	325,479	350,956	397,767	405,000	397,707	405,000
7387 Insurance - self insured damages	25,592	53,544	114,156	150,000	75,098	150,000
7388 Excess Workers Compensation	61,948	63,039	70,740	-	69,580	-
7415 Fuels & lubricants	1,761	2,293	1,986	2,000	1,200	2,000
7601 Legal Fees	-	-	-	-	4,916	10,000
7635 Software maintenance service fees	-	5,124	4,500	-	4,500	-
7650 Security services	274,153	-	-	-	-	-
7699 Other services	84,183	41,545	72,730	100,000	64,836	100,000
7820 Office furniture & equipment	78	-	-	-	-	-
7899 Other minor tools & equipment	32,620	-	-	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>2,004,051</u>	<u>1,829,224</u>	<u>1,963,391</u>	<u>2,137,028</u>	<u>1,867,014</u>	<u>2,239,350</u>
	<b>\$ 2,136,434</b>	<b>\$ 1,976,056</b>	<b>\$ 2,101,642</b>	<b>\$ 2,279,402</b>	<b>\$ 1,956,302</b>	<b>\$ 2,376,215</b>



**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 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 91,140	\$ 95,485	\$ 115,784	\$ 96,512	\$ 161,214	\$ 164,424
6105 Administrative Staff	550,682	526,148	594,920	628,992	652,894	739,482
6110 Clerical staff	179,664	209,440	217,167	221,832	125,121	75,005
6130 Overtime	2,779	2,899	6,005	4,022	1,706	3,622
6201 T.M.R.S.	120,278	118,912	128,527	119,080	156,303	173,169
6205 F.I.C.A.	48,968	49,165	55,856	58,735	55,766	60,692
6210 Medicare	11,452	11,498	13,063	13,736	13,042	14,194
6214 Dental Insurance	4,505	4,313	4,731	5,445	4,415	5,140
6215 Hospitalization insurance	129,615	129,412	138,562	157,939	145,495	174,950
6220 Life Insurance	1,125	1,127	1,249	7,768	1,270	1,028
6221 Long Term Disability Insurance	2,172	2,182	2,421	3,316	2,480	1,958
6225 Workers Compensation	22,657	20,849	23,594	23,683	23,572	24,473
6230 Vacation leave	9,863	(2,844)	3,963	16,178	1,268	11,710
6235 Sick leave	14,889	17,272	(10,187)	17,783	7,147	12,871
6260 Vacancy Savings	-	-	-	(66,852)	-	(70,542)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>1,189,789</i>	<i>1,185,858</i>	<i>1,295,656</i>	<i>1,308,169</i>	<i>1,351,694</i>	<i>1,392,177</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	338	58	300	132	300
7110 Dues & memberships	-	-	29	-	-	-
7120 Office supplies	2,184	2,804	2,309	3,500	1,277	3,500
7130 Postage/shipping charges	128	597	125	400	143	400
7135 Telephone expenses	161,369	166,132	172,971	190,500	201,274	193,500
7140 Training expenses	-	10,590	5,040	-	4,770	6,000



**DEPARTMENT 7130 - INFORMATION TECHNOLOGY**

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
7145 Travel expenses	2,625	3,475	6,871	4,000	11,680	7,500
7180 Utilities - departmental	3,081	3,712	9,536	5,500	5,523	5,500
7299 Other materials & supplies	25,154	14,977	26,148	11,000	16,893	7,000
7315 Food, meals, ice, water	1,113	603	835	1,000	253	1,000
7325 Rental of equip/storage/land	390	832	-	-	-	-
7335 Wearing apparel & dry goods	321	347	396	400	326	400
7415 Fuels & lubricants	2,183	1,573	1,232	1,000	1,089	1,000
7635 Software maintenance service fees	293,242	231,856	360,227	350,000	486,755	479,500
7645 Maintenance services	122,621	219,699	168,821	91,500	145,759	150,000
7699 Other services	-	223	-	30,000	20,700	100,001
7801 Communication equipment	-	-	929	-	-	-
7805 Computer equipment	178,605	346,851	327,492	142,000	223,897	75,000
7806 Software licenses - new	694	9,134	5,944	-	754	1
7820 Office furniture & equipment	474	-	-	-	-	-
7899 Other minor tools & equipment	-	-	464	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	794,183	1,013,745	1,089,426	831,100	1,121,224	1,030,602
	<b>\$ 1,983,972</b>	<b>\$ 2,199,603</b>	<b>\$ 2,385,082</b>	<b>\$ 2,139,269</b>	<b>\$ 2,472,918</b>	<b>\$ 2,422,779</b>



**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:** 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.

**INPUT MEASURES**

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

**OUTPUT MEASURES**

Subdivisions  
 Addresses  
 Street Names  
 Parcels  
 Water GIS Point Features  
 Wastewater GIS Point Features  
 Electric GIS Point Features  
 GPS Field Inventory  
 Water Mains & Raw Water Miles  
 Wastewater Gravity Mains & Force Mains Miles  
 Electric Distribution and Transmission Miles

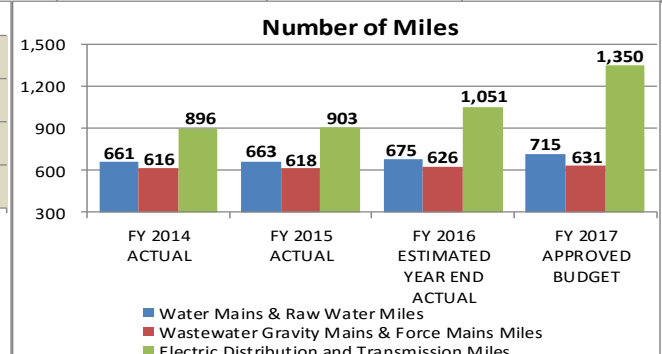
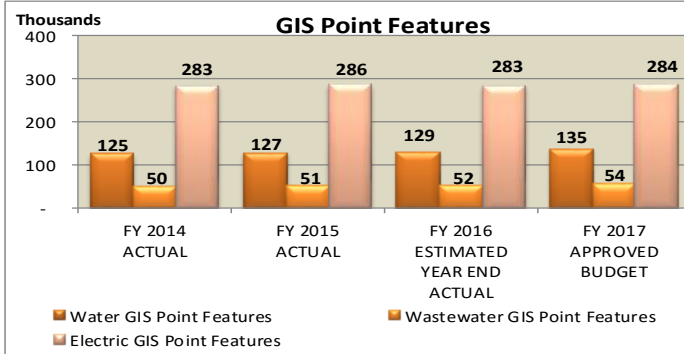
**OUTCOME MEASURES**

Data Request  
 Map Production  
 Avg. Number of Internal Customers  
 Avg. Number of External Customers

**EFFICIENCY MEASURES**

Avg. Number of QA/QC Electric Workorders  
 Avg. Number of QA/QC Electric Service Request  
 Avg. Number of Water/Wastewater As-Builds

	<b>FY 2014 ACTUAL</b>	<b>FY 2015 ACTUAL</b>	<b>FY 2016 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2017 APPROVED BUDGET</b>
Employees (FTE's)	13	13	11	11
Non-Personnel O&M Expenses	\$ 157,832	\$ 293,629	\$ 349,168	\$ 494,250
<b>OUTPUT MEASURES</b>				
Subdivisions	2,052	2,084	2,106	2,146
Addresses	62,686	60,906	61,391	62,500
Street Names	8,748	8,738	8,824	8,950
Parcels	92,141	92,385	92,347	92,505
Water GIS Point Features	125,473	126,639	129,417	135,000
Wastewater GIS Point Features	50,187	50,502	52,208	54,000
Electric GIS Point Features	282,712	286,348	282,816	283,915
GPS Field Inventory	32,000	32,000	29,640	31,500
Water Mains & Raw Water Miles	661	663	675	715
Wastewater Gravity Mains & Force Mains Miles	616	618	626	631
Electric Distribution and Transmission Miles	896	903	1,051	1,350
<b>OUTCOME MEASURES</b>				
Data Request	3,855	3,952	4,150	4,255
Map Production	3,500	4,050	4,300	4,550
Avg. Number of Internal Customers	460	485	524	612
Avg. Number of External Customers	290	250	251	314
<b>EFFICIENCY MEASURES</b>				
Avg. Number of QA/QC Electric Workorders	500	566	265	616
Avg. Number of QA/QC Electric Service Request	5,000	8,100	13,590	15,015
Avg. Number of Water/Wastewater As-Builds	220	250	299	389



**DEPARTMENT 7135 - GEOGRAPHIC INFORMATION SYSTEMS**

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 73,275	\$ 87,378	\$ 106,590	\$ 94,931	\$ 89,433	\$ 77,272
6105 Administrative Staff	229,401	303,798	264,609	236,232	169,579	175,101
6110 Clerical staff	136,498	172,075	164,605	176,176	179,686	181,542
6130 Overtime	434	8,389	595	2,568	1,006	2,568
6201 T.M.R.S.	68,458	81,477	74,162	63,778	73,584	76,760
6205 F.I.C.A.	28,610	34,443	32,841	31,455	26,232	26,903
6206 Suta	-	5,537	-	-	-	-
6210 Medicare	6,691	8,055	7,681	7,356	6,135	6,292
6214 Dental Insurance	2,853	3,483	3,252	3,539	2,868	3,235
6215 Hospitalization insurance	67,049	91,786	86,991	89,671	87,514	98,817
6220 Life Insurance	618	783	761	4,160	624	479
6221 Long Term Disability Insurance	1,167	1,482	1,446	1,776	1,170	868
6225 Workers Compensation	12,757	14,432	13,838	12,683	11,162	10,848
6230 Vacation leave	8,642	5,060	(1,871)	8,733	(872)	5,271
6235 Sick leave	7,071	15,310	20,362	9,599	(8,614)	5,794
6242 Auto Benefits	-	4,615	7,500	7,500	865	-
6243 Telephone Benefits	-	1,034	1,680	1,680	194	-
6260 Vacancy Savings	-	-	-	(36,088)	-	(33,171)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>643,525</b>	<b>839,138</b>	<b>785,042</b>	<b>715,750</b>	<b>640,566</b>	<b>638,578</b>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	107	144	132	150	126	300
7110 Dues & memberships	499	719	616	800	763	800
7120 Office supplies	6,405	7,328	8,628	7,500	7,688	7,500
7125 Photo equipment/supplies	-	-	-	150	-	150
7130 Postage/shipping charges	76	204	398	400	493	500
7135 Telephone expenses	371	226	-	-	-	-
7140 Training expenses	4,761	7,398	2,146	7,000	4,769	15,000
7145 Travel expenses	17,309	14,995	3,491	8,000	6,795	15,000
7225 Safety supplies	-	-	73	-	-	-
7299 Other materials & supplies	6,349	1,225	3,080	3,000	2,037	3,000
7310 Federal, state, & local fees	-	-	-	-	12	-
7315 Food, meals, ice, water	115	991	2,654	2,000	1,233	2,000
7325 Rental of equip/storage/land	1,618	1,857	138,535	112,000	94,210	112,000
7330 Right of way fees	-	9,380	51,084	55,000	44,068	55,000
7335 Wearing apparel & dry goods	1,611	1,000	1,971	1,000	3,631	3,000
7415 Fuels & lubricants	8,941	8,645	3,617	5,000	3,769	5,000
7520 Maint. of minor equipment	-	-	21	750	4,795	5,000
7605 Engineering fees	14,384	-	-	5,000	-	50,000
7635 Software maintenance service fees	103,660	102,985	71,787	125,000	131,505	150,000
7699 Other services	-	-	-	-	33,301	15,000
7805 Computer equipment	507	115	655	10,000	3,585	15,000
7806 Software licenses - new	5	336	3,374	12,000	412	30,000
7820 Office furniture & equipment	710	284	1,366	8,000	5,976	8,000
7899 Other minor tools & equipment	-	-	-	2,000	-	2,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>167,427</b>	<b>157,832</b>	<b>293,629</b>	<b>364,750</b>	<b>349,168</b>	<b>494,250</b>
	<b>\$ 810,952</b>	<b>\$ 996,970</b>	<b>\$ 1,078,671</b>	<b>\$ 1,080,500</b>	<b>\$ 989,734</b>	<b>\$ 1,132,828</b>



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**

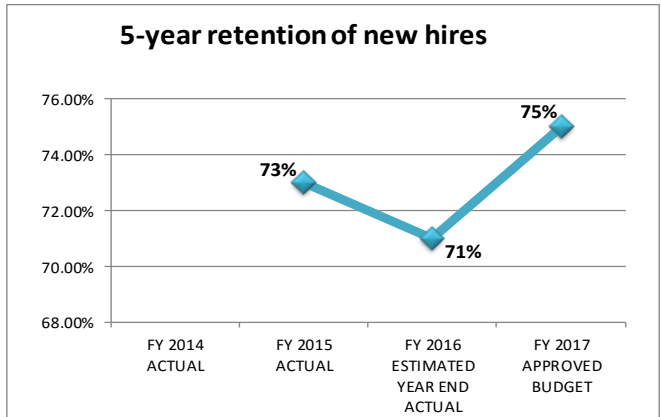
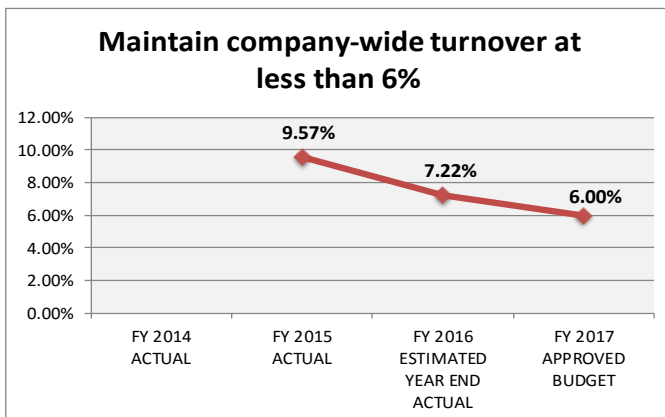
Recognition of employee for living BPUB's core values

**EFFICIENCY MEASURES**

Maintain company-wide turnover at less than 6%

5-year retention of new hires

	FY 2014 ACTUAL	FY 2015 ACTUAL	FY 2016 ESTIMATED YEAR END ACTUAL	FY 2017 APPROVED BUDGET
Employees (FTEs)*	9	9	6	2
Total O&M Expenses	\$ 986,040	\$ 1,049,416	\$ 1,022,415	\$ 1,064,398
Employee Satisfaction over 90%	93%	N/A <sup>1</sup>	90%	90%
Issue 2 tactics completed on schedule	N/A <sup>2</sup>	100.0%	100.0%	100.0%
Gender Pay Equity (Female median earnings as a % of Males' median earnings)	88.7%	89.2%	91.1%	92.1%
Recognition of employee for living BPUB's core values	179	184	212	200
Maintain company-wide turnover at less than 6%	N/A <sup>2</sup>	9.57%	7.22%	6.00%
5-year retention of new hires	N/A <sup>2</sup>	73%	71%	75%



\* Includes proposed new employees

<sup>1</sup> Data not available for fiscal year

<sup>2</sup> New Measure

## DEPARTMENT 7140 - HUMAN RESOURCES

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 89,533	\$ 112,554	\$ 215,040	\$ 192,005	\$ 206,972	\$ 125,008
6105 Administrative Staff	156,193	166,889	127,756	56,077	113,649	-
6110 Clerical staff	117,518	119,265	104,898	102,523	80,598	36,400
6130 Overtime	8,948	12,414	6,656	6,060	5,598	4,069
6201 T.M.R.S.	55,683	62,363	62,355	44,076	72,071	28,553
6205 F.I.C.A.	24,644	28,966	29,516	21,738	25,971	10,007
6210 Medicare	5,764	6,776	7,010	5,084	6,323	2,340
6214 Dental Insurance	2,266	2,452	2,484	1,815	1,919	605
6215 Hospitalization insurance	59,598	66,824	67,974	46,060	61,038	21,159
6220 Life Insurance	533	605	658	2,875	551	163
6221 Long Term Disability Insurance	1,016	1,158	1,272	1,227	1,081	323
6225 Workers Compensation	11,290	12,174	12,743	8,765	11,514	4,035
6230 Vacation leave	(1,113)	7,965	12,727	5,835	(7,573)	1,953
6235 Sick leave	2,815	18,765	21,839	6,414	(3,942)	2,147
6240 Educational assistance	-	-	1,070	-	1,245	-
6242 Auto Benefits	7,500	7,500	7,500	7,500	7,488	7,500
6243 Telephone Benefits	1,680	1,680	1,680	1,680	1,677	1,680
6250 Miscellaneous personnel benefits	64,887	61,539	67,466	450,000	103,015	326,000
6260 Vacancy Savings	-	-	-	(24,112)	-	(11,394)
6270 Retention Plan Budget	-	-	-	50,000	-	25,000
<i>O&amp;M PERSONNEL TOTAL</i>	<u>608,755</u>	<u>689,889</u>	<u>750,644</u>	<u>985,621</u>	<u>689,196</u>	<u>585,548</u>
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising	33,965	9,837	25,166	-	-	25,000
7105 Books & periodicals	521	2,891	1,074	1,450	-	1,000
7110 Dues & memberships	2,777	3,364	4,370	3,565	4,046	2,800
7115 Educational material	-	-	871	1,000	219	5,000
7120 Office supplies	8,853	12,052	16,576	11,300	6,511	7,400
7130 Postage/shipping charges	102	109	1,121	900	15	900
7135 Telephone expenses	-	266	(0)	-	-	1,000
7140 Training expenses	4,043	6,911	7,694	7,000	4,210	5,000
7145 Travel expenses	11,140	13,434	9,569	7,000	9,873	9,000
7147 Mileage Reimbursement (InTownExp)	403	288	511	350	150	350
7150 Recruitment Expenses	2,864	5,986	1,985	-	-	-
7155 Initial Certificatn/Licensing Reimb	-	-	-	-	829	-
7299 Other materials & supplies	276	374	2,565	500	587	500
7315 Food, meals, ice, water	2,290	352	1,907	2,500	1,645	2,500
7322 Recognition Program	30,241	38,173	37,679	60,000	44,426	55,000
7325 Rental of equip/storage/land	3,736	3,110	4,285	4,000	4,857	4,000
7415 Fuels & lubricants	-	-	26	-	-	-
7601 Legal Fees	24,881	21,126	42,841	33,500	119,510	100,000
7605 Engineering fees	161,188	69,583	38,815	50,000	19,528	50,000
7699 Other services	65,166	101,306	94,299	425,000	114,664	192,000
7805 Computer equipment	1,267	1,658	385	4,000	1,703	2,400
7806 Software licenses - new	-	-	95	-	-	10,000
7820 Office furniture & equipment	-	5,332	6,937	8,000	447	5,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>353,712</u>	<u>296,151</u>	<u>298,772</u>	<u>620,065</u>	<u>333,219</u>	<u>478,850</u>
	<b>\$ 962,468</b>	<b>\$ 986,040</b>	<b>\$ 1,049,416</b>	<b>\$ 1,605,686</b>	<b>\$ 1,022,415</b>	<b>\$ 1,064,398</b>



**BROWNSVILLE  
PUBLIC UTILITIES BOARD**



**Department Responsibility: Arianna Ramirez**  
**Title: Talent Acquisition & Staffing Manager**  
**Telephone Ext: 6246**  
**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.

**INPUT MEASURES**

Employees (FTEs)  
Total O&M Expenses

**OUTPUT MEASURES**

Interviews of Prospective Employees  
Job Announcements

**OUTCOME MEASURES**

Interviews to Job Offers Ratio  
Acceptance Ratio (job offers made vs job offers accepted)

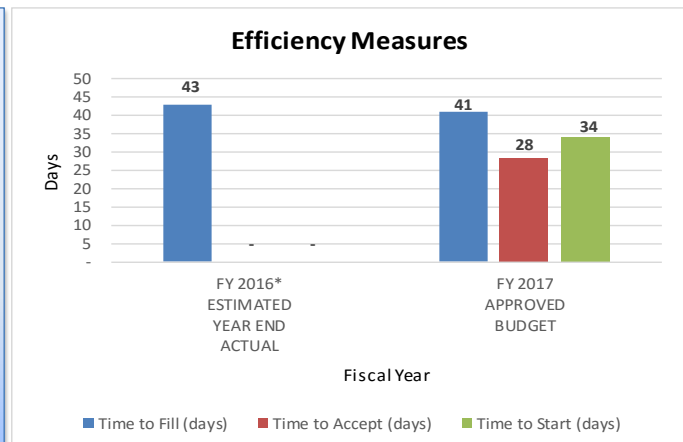
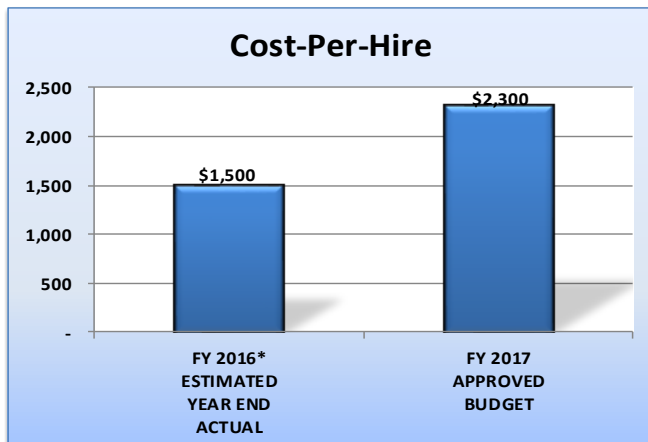
**EFFICIENCY MEASURES**

Recruitment Cost per Hire  
Time to Fill (days)  
Time to Accept (days)  
Time to Start (days)

	FY 2014* ACTUAL	FY 2015* ACTUAL	FY 2016* ESTIMATED YEAR END ACTUAL	FY 2017 APPROVED BUDGET
Employees (FTEs)	-	-	3	3
Total O&M Expenses	-	-	\$ 194,634	\$ 319,408
Interviews of Prospective Employees	-	-	325	350
Job Announcements	-	-	45	45
Interviews to Job Offers Ratio	-	-	44.00%	46.00%
Acceptance Ratio (job offers made vs job offers accepted)	-	-	90.00%	93.00%
Recruitment Cost per Hire	-	-	\$ 1,500	\$ 2,300
Time to Fill (days)	-	-	43	41
Time to Accept (days)	-	-	**	28
Time to Start (days)	-	-	**	34

\* New department created in October 2015

\*\* New measures for FY 2017



**DEPARTMENT 7145 – TALENT ACQUISITION & STAFFING**

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ -	\$ -	\$ -	\$ 58,240	\$ 44,694	\$ 58,240
6105 Administrative Staff	-	-	-	43,368	33,335	43,368
6110 Clerical staff	-	-	-	29,245	28,676	42,307
6130 Overtime	-	-	-	2,531	829	2,531
6201 T.M.R.S.	-	-	-	16,448	18,920	25,459
6205 F.I.C.A.	-	-	-	8,113	6,169	8,923
6210 Medicare	-	-	-	1,897	1,443	2,087
6214 Dental Insurance	-	-	-	908	627	907
6215 Hospitalization insurance	-	-	-	24,209	20,883	30,216
6220 Life Insurance	-	-	-	1,073	142	155
6221 Long Term Disability Insurance	-	-	-	458	269	288
6225 Workers Compensation	-	-	-	3,271	2,692	3,598
6230 Vacation leave	-	-	-	2,265	6,902	1,741
6235 Sick leave	-	-	-	2,490	11,038	1,914
6260 Vacancy Savings	-	-	-	(9,361)	-	(10,745)
<i>O&amp;M PERSONNEL TOTAL</i>	-	-	-	185,155	176,617	210,988
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising	-	-	-	25,000	3,584	25,000
7105 Books & periodicals	-	-	-	500	-	500
7110 Dues & memberships	-	-	-	1,125	190	1,300
7120 Office supplies	-	-	-	4,000	336	3,000
7130 Postage/shipping charges	-	-	-	1,000	-	1,000
7135 Telephone expenses	-	-	-	-	238	1,220
7140 Training expenses	-	-	-	3,000	4,655	4,000
7145 Travel expenses	-	-	-	3,000	4,822	4,000
7147 Mileage Reimbursement (InTownExp)	-	-	-	700	439	700
7150 Recruitment Expenses	-	-	-	15,000	3,583	15,000
7299 Other materials & supplies	-	-	-	500	80	500
7315 Food, meals, ice, water	-	-	-	700	91	700
7699 Other services	-	-	-	20,000	-	20,000
7805 Computer equipment	-	-	-	3,250	-	600
7806 Software licenses - new	-	-	-	-	-	30,000
7820 Office furniture & equipment	-	-	-	-	-	900
<i>O&amp;M NON-PERSONNEL TOTAL</i>	-	-	-	77,775	18,017	108,420
	\$ -	\$ -	\$ -	\$ 262,930	\$ 194,634	\$ 319,408



**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 hour/days, 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.

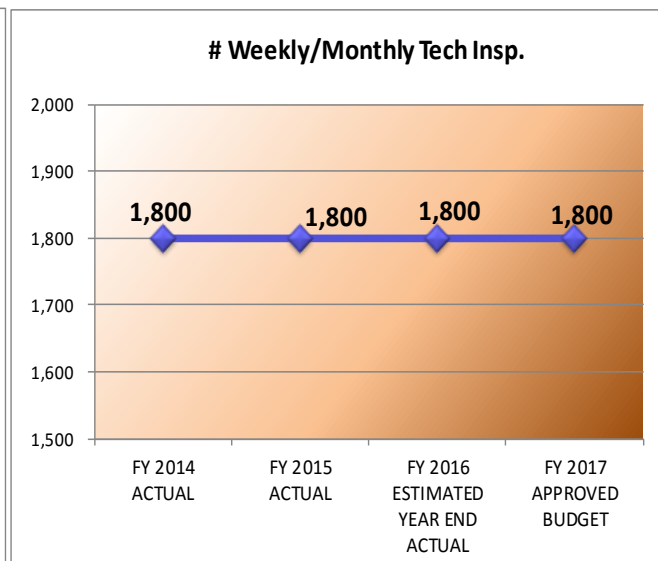
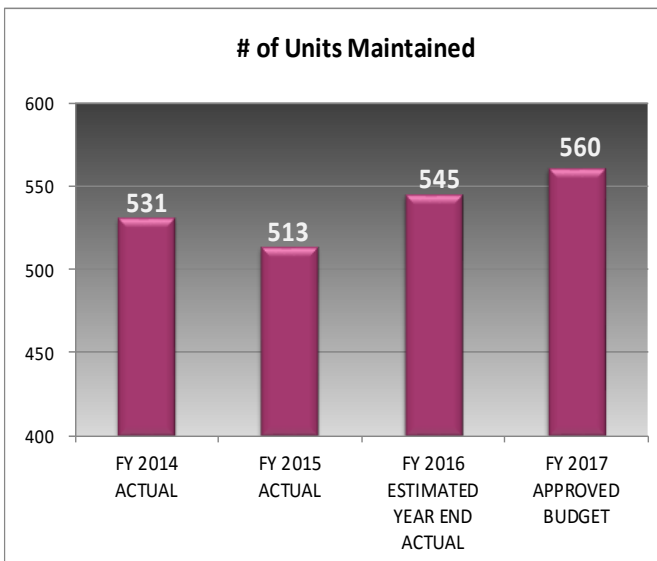
	<b>FY 2014 ACTUAL</b>	<b>FY 2015 ACTUAL</b>	<b>FY 2016 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2017 APPROVED BUDGET</b>
<b>INPUT MEASURES</b>				
# of Employees	10	10	10	10
# of Scheduled Preventive Maintenance	240	100	327	350
# State/DOT Inspections	250	281	300	330
# Safety Inspections/Month	1,800	1,800	1,800	1,800
Technicians to Equipment Ratio	1:88.5	1:85.8	1:90.8	1:80
<b>OUTPUT MEASURES</b>				
# of Units Maintained	531	513	545	560
# Weekly/Monthly Tech Insp.	1,800	1,800	1,800	1,800
# W.O. Generated	2,128	3,053	3,370	3,400

**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 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 57,388	\$ 59,207	\$ 49,964	\$ 120,636	\$ 52,598	\$ 59,538
6105 Administrative Staff	-	-	-	-	24,506	33,846
6110 Clerical staff	17,532	23,730	17,957	38,755	20,728	20,268
6115 Operational staff	211,752	217,824	216,282	244,658	248,751	244,658
6130 Overtime	17,873	16,873	20,876	17,014	10,136	14,997
6201 T.M.R.S.	43,621	44,631	40,646	50,792	59,425	63,385
6205 F.I.C.A.	18,230	18,948	17,872	25,051	21,429	22,215
6206 Suta	-	-	-	-	5,269	-
6210 Medicare	4,264	4,431	4,180	5,859	5,012	5,195
6214 Dental Insurance	1,753	1,806	1,687	2,723	2,057	2,419
6215 Hospitalization insurance	45,115	46,947	44,725	69,210	58,269	69,993
6220 Life Insurance	394	412	398	3,313	479	392
6221 Long Term Disability Insurance	746	781	757	1,414	908	717
6225 Workers Compensation	11,724	11,140	10,796	10,554	11,114	8,958
6230 Vacation leave	4,960	4,884	(8,072)	6,933	4,454	4,336
6235 Sick leave	8,376	(4,721)	2,070	7,620	18,181	4,766
6260 Vacancy Savings	-	-	-	(28,648)	-	(26,499)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>443,731</b>	<b>446,892</b>	<b>420,137</b>	<b>575,882</b>	<b>543,315</b>	<b>529,183</b>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	113	276	-	200	-	3,000
7110 Dues & memberships	68	-	-	1,000	-	1,000
7120 Office supplies	2,128	2,184	1,180	1,500	6,585	6,000
7130 Postage/shipping charges	123	106	23	200	1,656	4,500
7135 Telephone expenses	55	-	-	-	238	500
7140 Training expenses	-	-	-	-	-	6,000
7145 Travel expenses	297	-	112	-	59	6,000
7147 Mileage Reimbursement (InTownExp)	107	-	-	-	-	-
7180 Utilities - departmental	15,252	18,022	17,204	10,000	22,404	20,000
7215 Laundry & janitorial supplies	-	-	-	500	10	500
7225 Safety supplies	-	-	9	800	-	1,000
7293 Chemicals - other	694	933	433	1,000	193	1,000
7299 Other materials & supplies	70,598	56,534	59,744	40,000	55,299	40,000
7304 Hurricane Preparedness Expenses	-	-	-	-	22,890	30,000
7310 Federal, state, & local fees	6,936	2,964	1,754	4,800	4,624	7,500
7315 Food, meals, ice, water	115	120	414	1,000	352	1,200
7325 Rental of equip/storage/land	-	-	-	100	-	100
7335 Wearing apparel & dry goods	3,439	2,027	2,661	2,000	2,367	3,000
7405 Auto body repairs	17,228	22,983	14,584	10,000	8,611	15,000
7410 Batteries	11,954	13,209	15,548	13,000	14,344	17,500
7415 Fuels & lubricants	17,592	16,859	20,193	17,000	17,963	19,000
7420 Parts	240,561	295,817	295,485	225,000	364,861	280,000
7425 Road service	2,217	7,405	22,433	12,000	21,065	12,000
7430 Tires	66,431	65,964	73,656	60,000	82,965	85,000
7520 Maint. of minor equipment	-	-	-	-	413	-
7599 Maintenance / other	4,837	-	-	-	-	-
7635 Software maintenance service fees	-	4,837	5,038	19,500	1,868	21,000
7645 Maintenance services	356,714	370,063	319,127	200,000	377,052	300,000
7699 Other services	-	-	-	2,000	48,949	55,000
7805 Computer equipment	-	-	381	3,000	618	1,000
7820 Office furniture & equipment	3,458	1,117	345	3,000	-	2,000
7835 Tools, shop and garage equipment	-	6,538	12,149	3,000	16,574	12,000
7899 Other minor tools & equipment	2,042	7,154	10,938	15,000	15,919	23,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>822,958</b>	<b>895,113</b>	<b>873,411</b>	<b>645,600</b>	<b>1,087,877</b>	<b>973,800</b>
	<b>\$ 1,266,688</b>	<b>\$ 1,342,006</b>	<b>\$ 1,293,548</b>	<b>\$ 1,221,482</b>	<b>\$ 1,631,192</b>	<b>\$ 1,502,983</b>



**Department Responsibility:**     Ruben Lozano      
**Title:**     Compensation & Benefits Manager      
**Telephone Ext:**     6190      
**Dept. No.**     7155    

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

**Department Function:**

The Compensation & Benefits Department 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 a 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.

	FY 2014 ACTUAL	FY 2015 ACTUAL	FY 2016 ESTIMATED YEAR END ACTUAL	FY 2017* APPROVED BUDGET
<b>INPUT MEASURES</b>				
Employees (FTEs)	-	-	-	4
Total Non-Personnel O&M Expenses	-	-	-	\$ 130,220
<b>OUTPUT MEASURES</b>				
Operational Reports Produced (monthly)	-	-	-	12
Employee Satisfaction with Benefits Program (Percent Favorable minimum 90%)	-	-	-	96.0%
Employee Satisfaction with Compensation Package (Percent Favorable minimum 50%)	-	-	-	48.0%
Internal Market Review Conducted As Percent of Workforce	-	-	-	25.0%
Average Income per employee by hour	-	-	-	\$22.33
<b>OUTCOME MEASURES</b>				
Wellness Programs (Bi-monthly)	-	-	-	6
<b>EFFICIENCY MEASURES</b>				
Number of HR Staff to FTEs	-	-	-	1:83

\* New Department in 2017

**DEPARTMENT 7155 – COMPENSATION AND BENEFITS**

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 66,997
6105 Administrative Staff	-	-	-	-	-	102,731
6110 Clerical staff	-	-	-	-	-	42,307
6130 Overtime	-	-	-	-	-	6,000
6201 T.M.R.S.	-	-	-	-	-	37,509
6205 F.I.C.A.	-	-	-	-	-	13,146
6210 Medicare	-	-	-	-	-	3,075
6214 Dental Insurance	-	-	-	-	-	1,210
6215 Hospitalization insurance	-	-	-	-	-	41,983
6220 Life Insurance	-	-	-	-	-	225
6221 Long Term Disability Insurance	-	-	-	-	-	424
6225 Workers Compensation	-	-	-	-	-	5,301
6230 Vacation leave	-	-	-	-	-	2,463
6235 Sick leave	-	-	-	-	-	2,708
6250 Miscellaneous personnel benefits	-	-	-	-	-	55,500
6260 Vacancy Savings	-	-	-	-	-	(15,040)
<i>O&amp;M PERSONNEL TOTAL</i>	-	-	-	-	-	366,539
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	-	-	1,500
7110 Dues & memberships	-	-	-	-	-	4,070
7115 Educational material	-	-	-	-	-	1,000
7120 Office supplies	-	-	-	-	-	7,400
7130 Postage/shipping charges	-	-	-	-	-	900
7135 Telephone expenses	-	-	-	-	-	2,000
7140 Training expenses	-	-	-	-	-	4,000
7145 Travel expenses	-	-	-	-	-	4,000
7147 Mileage Reimbursement (InTownExp)	-	-	-	-	-	350
7299 Other materials & supplies	-	-	-	-	-	500
7315 Food, meals, ice, water	-	-	-	-	-	2,500
7601 Legal Fees	-	-	-	-	-	15,000
7699 Other services	-	-	-	-	-	75,000
7805 Computer equipment	-	-	-	-	-	3,600
7806 Software licenses - new	-	-	-	-	-	900
7820 Office furniture & equipment	-	-	-	-	-	7,500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	-	-	-	-	-	130,220
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 496,759



**BROWNSVILLE  
PUBLIC UTILITIES BOARD**



**Department Responsibility:** Steven Lucero  
**Title:** Facilities Maintenance Supervisor  
**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 groundkeeping 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

**OUTPUT MEASURES**

# of custodial work request  
Admin. Bldg. daily water consumption/gals  
A/C repair cost in dollars  
Preventitive service agreement cost in dollars

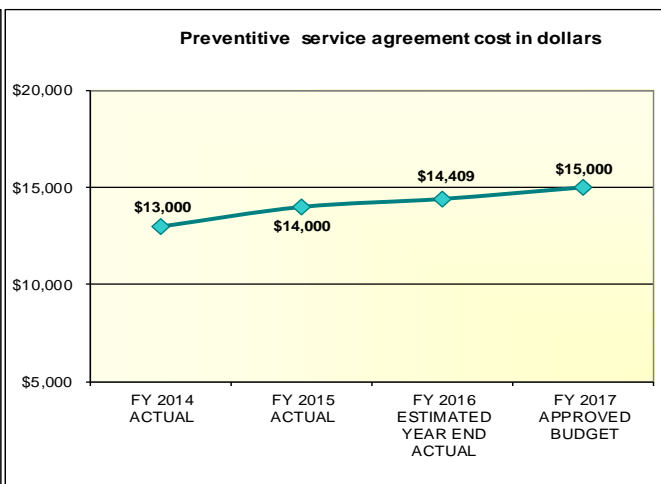
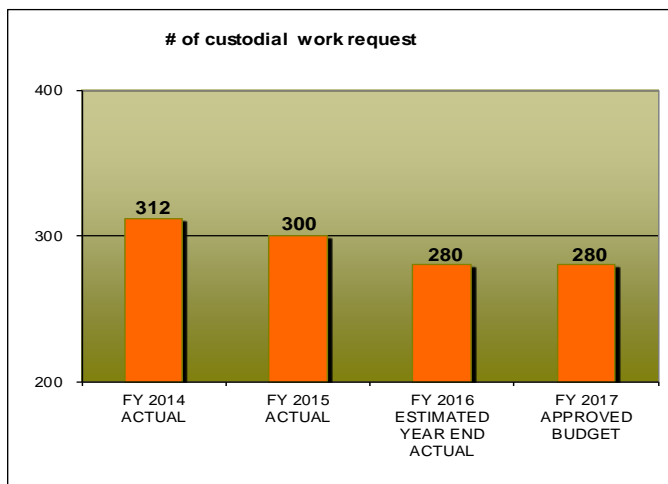
**OUTCOME MEASURES**

Maintain/ improve customer service  
Improve water conservation  
Limit repair cost

**EFFICIENCY MEASURES**

Square Feet of Facility Maintenance  
Per unit cost of A/C prevent maintenance per sq.ft.

	<b>FY 2014 ACTUAL</b>	<b>FY 2015 ACTUAL</b>	<b>FY 2016 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2017 APPROVED BUDGET</b>
FTE	4	4	4	4
O&M Personnel Costs	\$ 185,537	\$ 187,453	\$ 188,742	\$ 189,104
O & M Non-Personnel Costs	\$ 632,935	\$ 693,656	\$ 875,116	\$ 968,178
Total Costs	\$ 818,472	\$ 881,109	\$ 1,063,858	\$ 1,157,282
# of custodial work request	312	300	280	280
Admin. Bldg. daily water consumption/gals	600	700	700	700
A/C repair cost in dollars	\$ 4,100	\$ 8,255	\$ 5,239	\$ 6,000
Preventitive service agreement cost in dollars	\$ 13,000	\$ 14,000	\$ 14,409	\$ 15,000
Maintain/ improve customer service	Yes	Yes	Yes	Yes
Improve water conservation	Yes	No	No	No
Limit repair cost	Yes	Yes	Yes	Yes
Square Feet of Facility Maintenance	33,000	33,000	33,000	33,000
Per unit cost of A/C prevent maintenance per sq.ft.	\$ 0.518	\$ 0.674	\$ 0.595	\$ 0.636



## DEPARTMENT 7160 – FACILITY MAINTENANCE

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 47,789	\$ 49,370	\$ 49,861	\$ 49,670	\$ 49,772	\$ 49,670
6115 Operational staff	64,437	69,407	71,672	69,430	73,063	72,322
6130 Overtime	1,562	1,283	1,098	2,000	1,328	1,252
6201 T.M.R.S.	16,813	17,119	16,690	14,971	20,678	21,580
6205 F.I.C.A.	7,043	6,996	7,091	7,384	7,267	7,564
6210 Medicare	1,647	1,636	1,658	1,727	1,699	1,769
6214 Dental Insurance	1,109	1,096	1,089	1,210	1,071	1,210
6215 Hospitalization insurance	24,735	30,538	31,084	34,441	32,206	36,897
6220 Life Insurance	170	176	178	977	182	144
6221 Long Term Disability Insurance	299	311	317	417	325	244
6225 Workers Compensation	3,169	3,002	3,066	2,978	3,116	3,050
6230 Vacation leave	1,088	988	331	2,217	438	1,476
6235 Sick leave	1,867	3,616	3,316	2,437	(2,404)	1,622
6260 Vacancy Savings	-	-	-	(9,160)	-	(9,695)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>171,728</u>	<u>185,537</u>	<u>187,453</u>	<u>180,698</u>	<u>188,742</u>	<u>189,104</u>
<i>O&amp;M NON-PERSONNEL</i>						
7120 Office supplies	303	151	158	200	135	200
7130 Postage/shipping charges	-	-	280	-	-	-
7135 Telephone expenses	156,442	123,017	128,033	140,000	178,827	140,000
7140 Training expenses	-	-	-	-	159	2,500
7145 Travel expenses	-	-	-	-	99	2,900
7180 Utilities - departmental	114,114	126,000	126,803	175,000	119,393	175,000
7210 Landscaping/Trade a Tree Program	3,000	-	3,240	3,000	-	3,000
7225 Safety supplies	21	-	-	-	-	-
7299 Other materials & supplies	25,884	96,440	53,502	35,000	113,434	75,000
7310 Federal, state, & local fees	10	10	10	10	-	10
7315 Food, meals, ice, water	46	48	48	68	49	68
7335 Wearing apparel & dry goods	1,482	827	761	800	702	600
7415 Fuels & lubricants	173	87	174	500	38	400
7501 Maint. of buildings & structures	1,935	10,740	860	25,000	-	25,000
7599 Maintenance / other	125,998	13,063	40,379	130,000	15,126	25,000
7645 Maintenance services	101,507	38,791	44,176	75,000	39,835	60,000
7650 Security services	1,555	1,440	2,340	2,000	1,125	3,000
7660 Ground Keeping Maintenance	206,579	148,436	196,978	285,000	275,040	325,000
7699 Other services	-	70,347	81,641	125,000	130,787	130,000
7820 Office furniture & equipment	-	500	13,873	500	367	500
7899 Other minor tools & equipment	2,639	3,038	399	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>741,688</u>	<u>632,935</u>	<u>693,656</u>	<u>997,078</u>	<u>875,116</u>	<u>968,178</u>
	<b>\$ 913,416</b>	<b>\$ 818,472</b>	<b>\$ 881,109</b>	<b>\$ 1,177,776</b>	<b>\$ 1,063,858</b>	<b>\$ 1,157,282</b>



**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

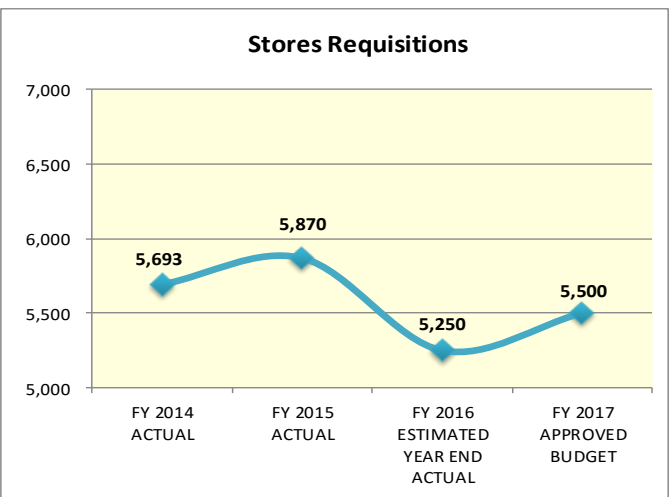
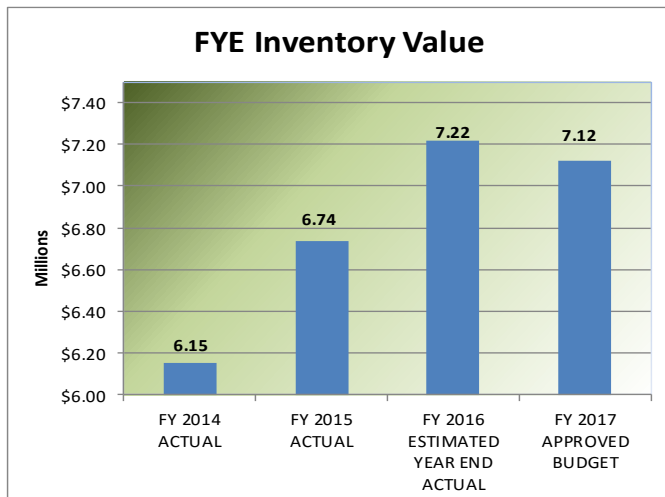
**OUTCOME MEASURES**

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

	<b>FY 2014 ACTUAL</b>	<b>FY 2015 ACTUAL</b>	<b>FY 2016 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2017 APPROVED BUDGET</b>
Full-Time Employees	6	6	6	6
O&M Personnel	\$ 181,539	\$ 184,860	\$ 268,345	\$ 268,440
O&M Non-Personnel	\$ 30,305	\$ 34,599	\$ 35,900	\$ 42,082
FYE Inventory Value	\$ 6,153,116	\$ 6,739,583	\$ 7,219,491	\$ 7,119,491
Stores Requisitions	5,693	5,870	5,250	5,500
Inventory Accuracy	90%	92%	92%	94%
Stores Issues	5,591	5,750	5,419	5,600
# of Year-End Commodity Adjustments	209	156	200	150
Stores Issues per Employee	1,898	1,917	1,806	1,400
Value of Year End Inventory Adjustments	\$ 50,000	\$ 49,130	\$ 50,000	\$ 50,000
Average Cost of Monthly Inventory	\$ 512,760	\$ 561,632	\$ 601,624	\$ 593,291



## DEPARTMENT 7170 – WAREHOUSE

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 30,063	\$ 31,034	\$ 30,919	\$ 44,512	\$ 44,627	\$ 44,512
6110 Clerical staff	17,470	17,916	17,820	25,646	25,782	25,646
6115 Operational staff	70,112	70,099	69,066	97,677	98,622	98,155
6130 Overtime	3,353	2,075	3,897	5,446	2,345	4,335
6201 T.M.R.S.	17,518	17,149	16,445	21,097	29,897	29,775
6205 F.I.C.A.	7,206	7,134	7,075	10,406	10,434	10,435
6210 Medicare	1,685	1,668	1,654	2,434	2,440	2,441
6214 Dental Insurance	1,186	1,151	1,107	1,815	1,574	1,814
6215 Hospitalization insurance	27,791	27,364	28,137	46,352	45,781	53,305
6220 Life Insurance	175	178	178	1,376	251	203
6221 Long Term Disability Insurance	304	312	312	587	441	337
6225 Workers Compensation	4,702	4,295	4,367	4,196	4,583	4,208
6230 Vacation leave	165	(1,463)	1,661	3,099	(2,033)	2,037
6235 Sick leave	4,669	2,627	2,223	3,406	1,571	2,239
6240 Educational assistance	-	-	-	-	2,031	2,500
6260 Vacancy Savings	-	-	-	(12,805)	-	(13,503)
<i>O&amp;M PERSONNEL TOTAL</i>	186,398	181,539	184,860	255,244	268,345	268,440
<i>O&amp;M NON-PERSONNEL</i>						
7120 Office supplies	573	842	1,057	1,400	1,096	2,000
7215 Laundry & janitorial supplies	17	40	74	200	18	200
7225 Safety supplies	-	138	74	150	77	150
7299 Other materials & supplies	2,269	2,643	2,104	2,500	2,299	4,500
7315 Food, meals, ice, water	258	251	271	300	362	400
7335 Wearing apparel & dry goods	2,360	2,462	2,042	2,000	2,504	2,000
7415 Fuels & lubricants	2,613	1,984	1,634	2,500	1,493	2,500
7501 Maint. of buildings & structures	-	-	2,095	-	-	-
7520 Maint. of minor equipment	-	-	-	-	297	500
7645 Maintenance services	1,233	2,649	1,304	2,700	250	3,200
7699 Other services	18,789	18,562	21,595	15,000	23,013	24,000
7805 Computer equipment	-	-	970	-	3,110	-
7820 Office furniture & equipment	421	-	1,345	491	839	-
7835 Tools, shop and garage equipment	-	-	-	-	99	-
7899 Other minor tools & equipment	-	733	34	1,500	442	2,632
<i>O&amp;M NON-PERSONNEL TOTAL</i>	28,531	30,305	34,599	28,741	35,900	42,082
	\$ 214,929	\$ 211,844	\$ 219,459	\$ 283,985	\$ 304,245	\$ 310,522



**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. García, CPA  
**Title:** Chief Financial Officer  
**Telephone Ext:** 6173  
**Dept. No.:** 9110

**DEPARTMENT 9110 - COMPANY - WIDE EXPENSES**

**Departmental Functions:**

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 training, travel, company-wide contingency, maintenance services, and equipment contingency.

ACCOUNT DESCRIPTION	ACTUAL FY 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M PERSONNEL</i>						
6115 Operational staff	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 51,527
6120 Part-time staff	631,703	281,357	153,271	179,907	214,176	202,496
6130 Overtime	20,972	7,008	2,319	2,500	3,900	4,400
6201 T.M.R.S.	-	-	(872,392)	1,389,968	2,995	9,115
6205 F.I.C.A.	40,473	17,879	9,617	11,154	13,517	15,749
6206 Suta	985	10,082	397	-	976	-
6210 Medicare	9,465	4,181	2,276	2,609	3,161	3,683
6214 Dental Insurance	-	-	-	-	144	605
6215 Hospitalization insurance	391,694	350,389	299,135	354,897	312,873	430,590
6216 Other Post-Employment Benefits (ins)	806,513	1,122,644	895,643	1,221,396	1,221,396	1,000,000
6220 Life Insurance	-	-	-	-	27	59
6221 Long Term Disability Insurance	-	-	-	-	49	103
6225 Workers Compensation	(36,180)	7,209	3,890	4,498	6,067	6,351
6230 Vacation leave	-	-	-	-	189	-
6235 Sick leave	-	-	-	-	151	-
6240 Educational assistance	(2,024)	-	(4,183)	33,675	-	10,000
6250 Miscellaneous personnel benefits	-	-	-	150,000	56,866	1,954,912
6260 Vacancy Savings	-	-	-	-	-	127,426
<i>O&amp;M PERSONNEL TOTAL</i>	<i>1,863,600</i>	<i>1,800,749</i>	<i>489,973</i>	<i>3,350,603</i>	<i>1,836,486</i>	<i>3,817,016</i>
<i>O&amp;M NON-PERSONNEL</i>						
7130 Postage/shipping charges	19	31	478	-	3	-
7145 Travel expenses	-	-	-	-	506	-
7299 Other materials & supplies	154	(25)	(13)	100	528	500
7301 Bad debt expense	7,247	-	-	-	633,307	-
7306 SRWA O&M Assessment	2,688,914	2,795,503	3,585,642	3,752,642	3,585,642	3,719,365
7307 SRWA Dbt Svc Assessment	2,178,768	2,147,493	2,152,371	2,158,034	2,158,034	2,159,360
7315 Food, meals, ice, water	-	-	-	-	549	-
7335 Wearing apparel & dry goods	7,040	55,972	10,007	10,000	7,872	10,000
7348 Customer Assistance Program	-	-	-	100,000	-	-
7415 Fuels & lubricants	-	1,363	-	-	-	-
7697 O&M Contingency-Maintenance Pool	-	-	-	417,708	-	600,000
7698 Contingency-Budget Pool	-	-	-	1,340,916	-	1,037,755
7699 Other services	30,523	6,314	38,244	55,000	-	55,000
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&amp;M NON-PERSONNEL TOTAL</i>	<i>4,912,666</i>	<i>5,006,651</i>	<i>5,786,729</i>	<i>7,914,400</i>	<i>6,386,441</i>	<i>7,661,980</i>
	<b>\$ 6,776,266</b>	<b>\$ 6,807,400</b>	<b>\$ 6,276,702</b>	<b>\$ 11,265,003</b>	<b>\$ 8,222,927</b>	<b>\$ 11,478,996</b>



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Department Responsibility: Leandro G. García, CPA  
 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 2013	ACTUAL FY 2014	ACTUAL FY 2015	AMENDED BUDGET FY 2016	UNAUDITED YTD ACTUAL SEPT. 2016	APPROVED BUDGET FY 2017
<i>O&amp;M NON-PERSONNEL</i>						
7135 Telephone expenses	-	-	-	-	57,280	-
7515 Maint. of major equipment	-	476,969	-	-	-	-
7605 Engineering fees	226,430	1,022,224	118,435	-	99,242	-
7630 Construction contractor services	-	-	-	-	285,424	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>226,430</u>	<u>1,499,193</u>	<u>118,435</u>	<u>-</u>	<u>441,947</u>	<u>-</u>
	\$ 226,430	\$ 1,499,193	\$ 118,435	\$ -	\$ 441,947	\$ -

# ***CAPITAL BUDGET***

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

	FY 2016 CARRYOVER <sup>1</sup>	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FIVE-YEAR TOTAL
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Improvement Fund - CIP Funding Budget:	20,253,844	8,024,516	9,750,000	9,750,000	9,750,000	9,625,000	67,153,360
Improvement Fund - Grant Funding Budget:	-	-	-	-	-	-	-
Capitalizable Equipment Budget:	1,047,065	2,325,484	-	-	-	-	3,372,549
Improvement Fund - CIP Funding Total:	21,300,909	10,350,000	9,750,000	9,750,000	9,750,000	9,625,000	70,525,909

<sup>2</sup> Impact Fees Fund Total:	9,149	2,075,433	1,242,567	748,000	894,000	-	4,969,149
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Commercial Paper Funding Budget-Internal:	5,710,447	15,445,800	11,117,993	6,060,445	10,134,152	50,288,740	98,757,577
Commercial Paper Funding Budget-Facilities:	-	1,000,000	8,500,000	6,800,000	1,700,000	-	18,000,000
Commercial Paper Funding Budget-Tenaska:	-	-	-	-	17,500,000	17,500,000	35,000,000
Capitalizable Equipment Budget:	-	-	-	-	-	-	-
<sup>3</sup> Commercial Paper Proceeds Total:	5,710,447	16,445,800	19,617,993	12,860,445	29,334,152	67,788,740	151,757,577

<sup>4</sup> Grants Total:	186,463	3,480,000	700,000	-	-	-	4,366,463
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Total Planned Projects:	27,206,968	32,351,233	31,310,560	23,358,445	39,978,152	77,413,740	231,619,098
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Approved Budget Total for Fiscal Year 2017:	\$ 59,558,201	Amended Budget Total for Fiscal Year 2016:	\$ 67,830,910
		% Change (2017 vs 2016):	-12.20%

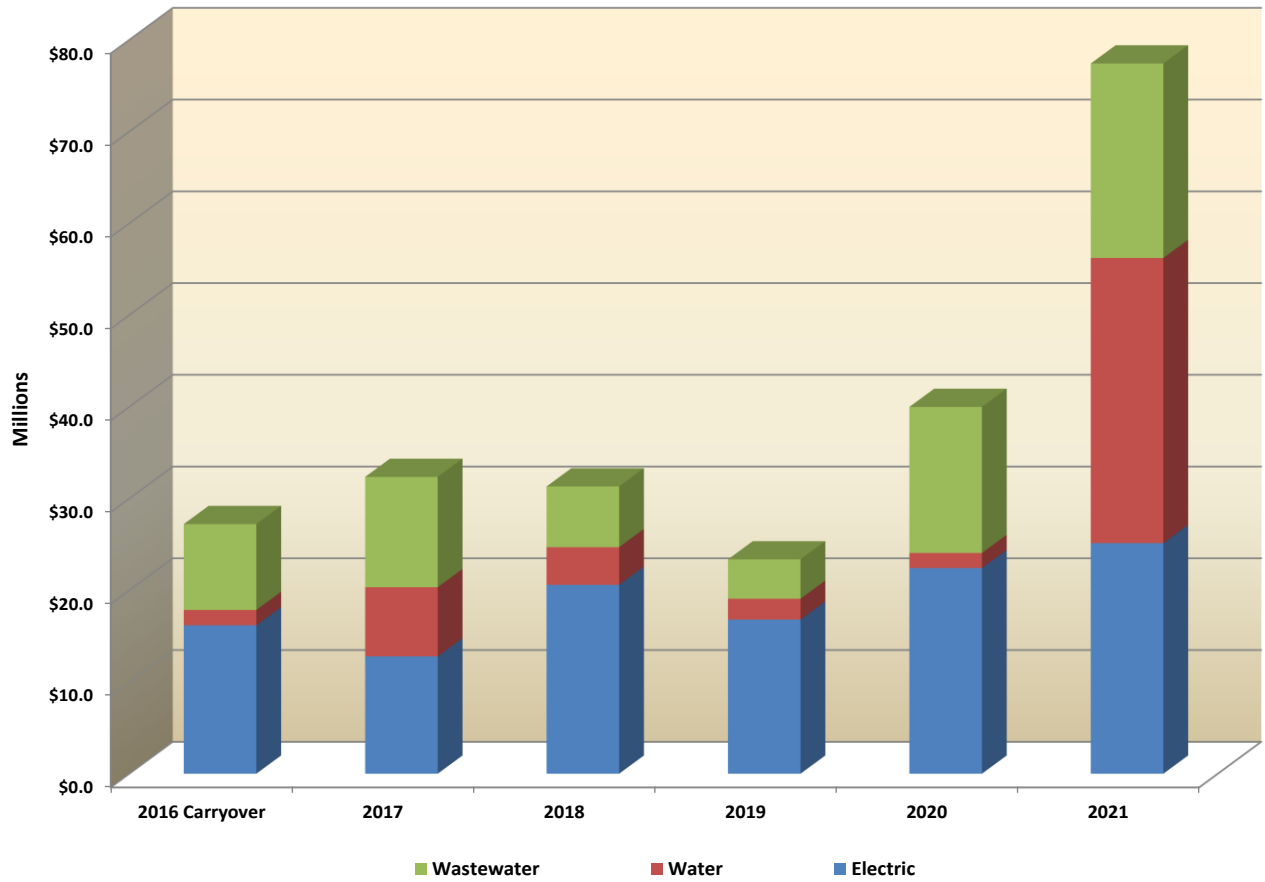
<sup>1</sup> Note: Amounts are as of June 30, 2016 and are subject to change.

<sup>2</sup> Note: Amounts indicate estimated project costs; future debt requirements will fund the projected costs for new projects for Fiscal Year 2017 and beyond.

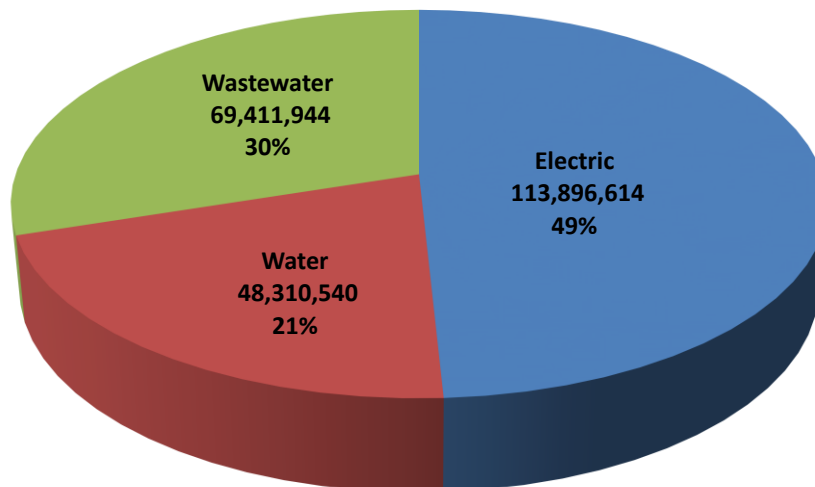
<sup>3</sup> Note: Total includes the carryover budget funded from the Commercial Paper Fund and future debt requirements for Fiscal Year 2017 and beyond.

<sup>4</sup> Note: Amounts indicate the estimated project costs eligible for grants administered by the relevant state and/or federal agencies.

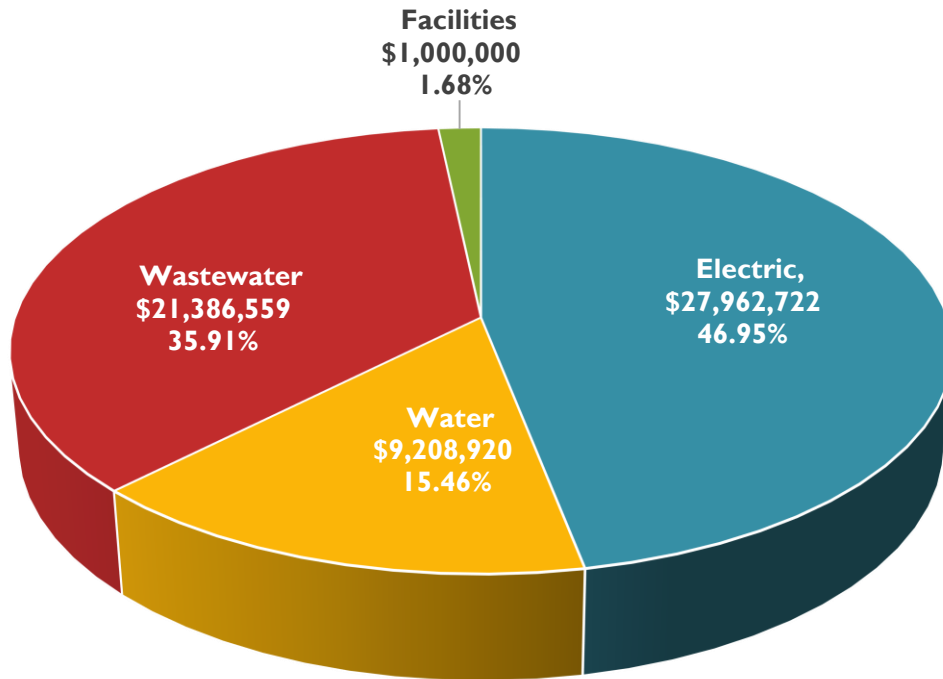
**FIVE-YEAR CAPITAL IMPROVEMENT PLAN  
SUMMARY BY UTILITY CHART  
\$231,619,098**



**TOTAL 5-YEAR CAPITAL IMPROVEMENT PLAN  
SUMMARY BY UTILITY  
\$231,619,098**



**FY 2017 CAPITAL BUDGET SUMMARY**  
**\$59,558,201**




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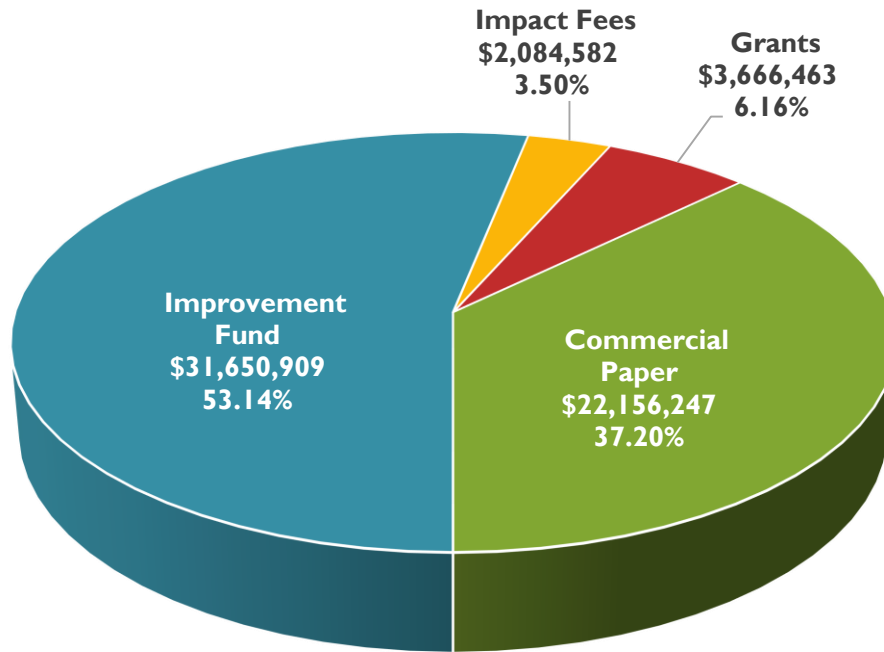
Electric	\$	27,962,722	46.95%
Water	\$	9,208,920	15.46%
Wastewater	\$	21,386,559	35.91%
Facilities	\$	1,000,000	1.68%
<b>TOTAL</b>	<b>\$</b>	<b>59,558,201</b>	<b>100.00%</b>

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**Note:**

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

**FY 2017 CAPITAL BUDGET BY FUNDING SOURCE**  
**\$59,558,201**




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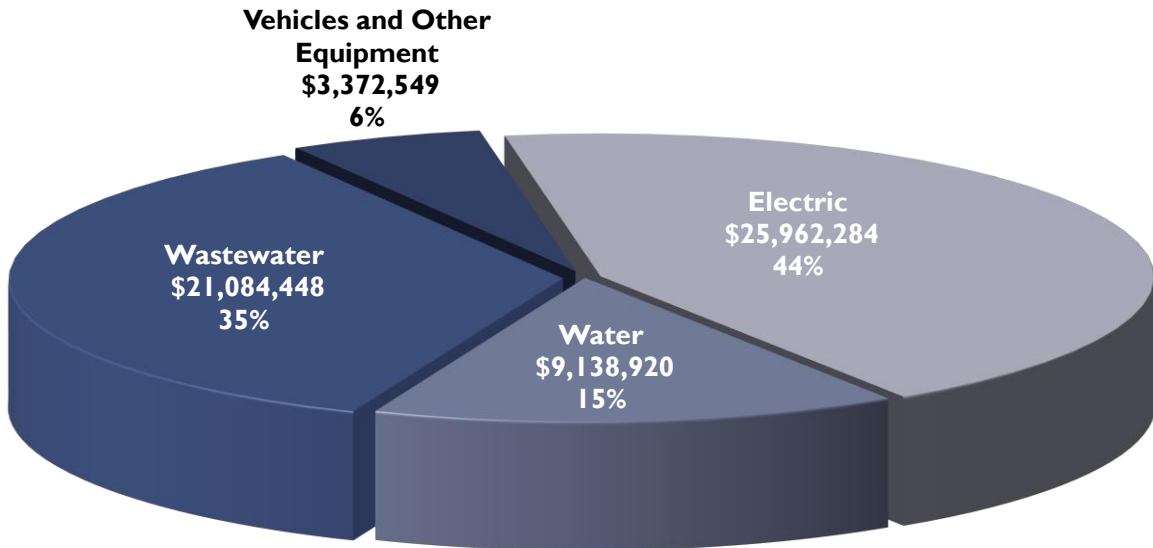
Improvement Fund	\$	31,650,909	53.14%
Impact Fees	\$	2,084,582	3.50%
Grants	\$	3,666,463	6.16%
Commercial Paper	\$	22,156,247	37.20%
<b>TOTAL</b>	<b>\$</b>	<b>59,558,201</b>	<b>100.00%</b>

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**Note:**

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

**FY 2017 CAPITAL BUDGET BY SYSTEM**  
**\$59,558,201**




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Electric	\$	25,962,284	43.59%
Water	\$	9,138,920	15.34%
Wastewater	\$	21,084,448	35.40%
Vehicles and Other Equipment	\$	3,372,549	5.66%
<b>TOTAL</b>	<b>\$</b>	<b>59,558,201</b>	<b>100.00%</b>

**Note:**

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



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021



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:

<b>Project Consideration Category Reference</b>	
<b>Category</b>	<b>General Criteria</b>
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 2017 – FY 2021

## PROJECT REFERENCE E1

*One 15/20/25/28 MVA Power Transformer*

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

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

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$415,254	\$0	\$0	\$0	\$0	\$415,254

*Description: The purchase of one 15/20/25/28 MVA Power Transformer to install at the Power Plant Substation. Note: \$415,254 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E2

*Power Transformers Radiators Replacement*

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

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

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$70,000	\$70,000	\$0	\$0	\$0	\$140,000

*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.*

*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 2017 – FY 2021

## PROJECT REFERENCE E3

*Replace 138 KV Oil Circuit Breakers with SF-6 Gas Breakers at the Loma Alta Substation*

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

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

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$1,750,000	\$0	\$1,750,000

*Description: Current Oil Circuit Breakers (OCB) have both pneumatic and hydraulic components that are difficult to maintain, and the spare parts are no longer manufactured. Some tanks are starting to show rust on the base and top area, which are difficult to access for repair. If one tank fails, the oil spill would be difficult and costly to clean up.*

*Project Cost Savings & Revenues: Savings would occur in O&M cost 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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$2,000,000	\$0	\$2,000,000

*Description: 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: Savings would occur in O&M cost due to less frequent maintenance.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE E5

*Replace 138 KV Breakers at the FM 802, Military Hwy and Waterport Substations*

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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$100,000	\$100,000	\$150,000	\$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 our reliability.*

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

## PROJECT REFERENCE E6

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

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

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Arnulfo Mejia

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$15,000	\$15,000	\$0	\$0	\$0	\$30,000

*Description: Some of the individual cells are beginning to deteriorate. The battery posts are loose and that 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.*

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

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE E7

### *Capacitor Bank Controls and Recloser Controls*

Organization: 2130 Electric Trans. & Dist. New Construction  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Resubmission

Funding Source: Improvement  
Project Considered: Load/Capacity Relief  
Originator: Manuel Arredondo

#### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$125,000	\$125,000	\$0	\$0	\$0	\$250,000

*Description: This is a continuation of the automation of capacitor bank controls installed in BPUB's distribution system in 2010. These controls will help regulate voltage and improve Power Factor in the electrical system. Capacitors are needed in order to avoid losses in the electrical system. These controls will also help control new reclosers.*

*Project Cost Savings & Revenues: Power Factor will be kept within a limit, which is an inexpensive way to control losses in the electrical system.*

## PROJECT REFERENCE E8

### *Recloser Controls*

Organization: 2130 Electric Trans. & Dist. New Construction  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Resubmission

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Manuel Arredondo

#### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$100,000	\$100,000	\$100,000	\$100,000	\$0	\$400,000

*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.*

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

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE E9

*Electric Distribution – Improvement Carryover Projects*

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

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

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$741,935	\$0	\$0	\$0	\$0	\$741,935

*Description: This line item is the budget for the carryover projects rolled over from Fiscal Year 2016. 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: \$741,935 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E10

*Electric Transmission – Improvement Carryover Projects*

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

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

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	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 2016. Projects include the replacement of defective transmission poles throughout the City of Brownsville. Note: \$12,092 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE E11

*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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$260,616	\$65,500	\$65,500	\$65,500	\$65,500	\$522,616

*Description: Security light installations are necessary throughout the City of Brownsville and are a good source of revenue for BPUB. Note: \$195,116 is the FY 2016 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.*

## PROJECT REFERENCE E12

*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: Christian Lopez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$98,265	\$50,000	\$50,000	\$50,000	\$50,000	\$298,265

*Description: This project supports the installation and upgrades of BPUB street light installations that are necessary throughout the City of Brownsville. Note: \$48,265 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE E13

*New Connections (ED9001 & FD4000'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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$1,135,511	\$715,000	\$715,000	\$715,000	\$715,000	\$3,995,511

*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: \$420,511 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: Revenues will result from new residential, commercial, and industrial customers.*

## PROJECT REFERENCE E14

*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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$526,698	\$205,670	\$205,670	\$205,670	\$205,670	\$1,349,378

*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: \$321,028 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: Revenues will result from new customers who average 1,000 kWh per month on their electric usage. Each subdivision averages 50 lots.*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE E15

*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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$1,099,442	\$769,000	\$955,725	\$1,084,560	\$413,019	\$4,321,746

*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: \$330,442 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: Service upgrades equal more revenues for BPUB in terms of increased demand charges as well as consumption.*

## PROJECT REFERENCE E16

*Fiber Optic Installations throughout the City*

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

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

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$186,975	\$0	\$0	\$0	\$0	\$186,975

*Description: Fiber optic installations and extensions projects throughout the City of Brownsville to improve communication between facilities. Note: \$186,975 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE E17

*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 & Resubmission

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$255,525	\$0	\$0	\$10,713,696	\$10,713,696	\$21,682,917

*Description: Design, engineering, materials and installation of the 345 KV transmission line from the Tenaska Generating Station to the Loma Alta Substation. Note: \$255,525 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E18

*Downtown Market Square – Electric Utility Improvements*

Organization: 2410 Electric Engineering

Funding Source: Improvement

Project Related to: Replacements/Upgrades/Rehabilitation

Project: Must Do

Project Occurrence: One-time

Originator: Eliazar Perez

Category: Carryover

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$236,453	\$0	\$0	\$0	\$0	\$236,453

*Description: This project provides Electric Utility Improvements in the Downtown Market Square area. Note: \$236,453 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE E19

*Electrical Cable and Conduit at Land O' Lakes Subdivision*

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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$175,617	\$0	\$0	\$0	\$0	\$175,617

*Description: BPUB will install over 45,600 feet of electrical cable at the Land O' Lakes subdivision.*

*Note: \$175,617 is the FY 2016 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.*

## PROJECT REFERENCE E20

*SRWA Well Fields Generators & Automatic Transfer Switches*

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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$174,855	\$0	\$0	\$0	\$0	\$174,855

*Description: BPUB will install generators with automatic transfer switches to provide backup power to SRWA wells. Note: \$174,855 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE E21

*Transmission High Production Line Washer*

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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$690,000	\$0	\$0	\$0	\$0	\$690,000

*Description: The purchase of two high production pressure washers to wash transmission and distribution lines. Note: \$690,000 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E22

*Power Plant Substation Upgrade, 69 KV to 138KV*

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

Funding Source: Commercial Paper  
Project Considered: Reliability  
Originator: Cesar A. Cortinas

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$500,000	\$1,000,000	\$1,000,000	\$0	\$3,735,000	\$6,235,000

*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 breaker failure; the 12.5 KV switchgear is also deteriorating.*

*Project Cost Savings & Revenues: There will be less cost related to equipment maintenance and part replacement.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE E23

*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: Commercial Paper  
Project Considered: General  
Originator: Eleazar Ruiz Jr.

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$0	\$765,000	\$765,000

*Description: The Palo Alto Substation has only one 15/20/25 MVA power transformer, which is at 70% capacity. A new transformer needs to be added to accommodate the load from the Tenaska Generation Plant, which would be an estimated 10 MVA.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E24

*Overhead Insulated Wire Installation*

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Eleazar Ruiz Jr.

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$55,000	\$55,000	\$0	\$0	\$0	\$110,000

*Description: The project will include the installation of insulated overhead wire in approximately 13 different locations where tree trimming is not practical, easily accessible, or where trimming might possibly destroy the tree. The insulation will help avoid vegetation coming in contact with distribution power lines, thus, reducing the likelihood of feeder operations and extended outage time.*

*Project Cost Savings & Revenues: By increasing reliability, BPUB will experience reduced outage times, and maintain tree integrity.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE E25

### *Capacitor Bank and Controller Installations*

Organization: 2410 Electric Engineering  
Project Related to: Growth  
Project Occurrence: One-time  
Category: Resubmission

Funding Source: Improvement  
Project Considered: Load/Capacity Relief  
Originator: Cesar A. Cortinas

#### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$260,000	\$250,000	\$0	\$0	\$510,000

*Description: Installation of capacitor banks and controllers for six substation feeders to provide better power quality, improved reliability, and reduced losses.*

*Project Cost Savings & Revenues: O&M savings will be generated through reduced losses on the BPUB system.*

## PROJECT REFERENCE E26

### *New 56 MVA Substation & Distribution Lines for New Infrastructure*

Organization: 2410 Electric Engineering  
Project Related to: Growth  
Project Occurrence: One-time  
Category: Resubmission

Funding Source: Commercial Paper  
Project Considered: Load/Capacity Relief  
Originator: Cesar A. Cortinas

#### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$1,000,000	\$1,000,000	\$2,000,000

*Description: Two 28 MVA power transformers need to be installed to ensure adequate capacity to serve future residential and commercial circuits.*

*Project Cost Savings & Revenues: There will be less cost related to equipment maintenance and part replacement.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE E27

*South Plant Substation Feeder to serve new developments*

Organization: 2410 Electric Engineering  
Project Related to: Growth  
Project Occurrence: One-time  
Category: Resubmission

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Eleazar Ruiz Jr.

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	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.*

*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.*

## PROJECT REFERENCE E28

*South Plant Substation Feeder serving UTRGV Campus and neighboring areas*

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Eleazar Ruiz Jr.

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$293,200	\$0	\$0	\$0	\$293,200

*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.*

*Project Cost Savings & Revenues: The new feeder will reduce outage time for UTRGV and International Bridge. It will also give BPUB the option to serve from different substations and feeders.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE E29

*Relocation of 12.5 KV Distribution Control and Breaker Cabinets (including 28 MVA Power Transformers)*

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Eleazar Ruiz Jr.

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$750,000	\$750,000	\$0	\$0	\$1,500,000

*Description: The Power Plant Substation, built in 1963, is the oldest substation in BPUB. The yard next to the Power Plant offers an excellent place to relocate the 12.5 KV Distribution Substation from the Power Plant.*

*Project Cost Savings & Revenues: This project will increase reliability.*

## PROJECT REFERENCE E30

*Install a Second Power Transformer at the Waterport Substation*

Organization: 2410 Electric Engineering  
Project Related to: Growth  
Project Occurrence: One-time  
Category: New

Funding Source: Commercial Paper  
Project Considered: Reliability  
Originator: Eleazar Ruiz Jr.

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$0	\$1,142,500	\$1,142,500

*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*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE E31

*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: Cesar A. Cortinas

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$1,450,000	\$1,300,000	\$0	\$0	\$2,750,000

*Description: BPUB will install over 136,760 feet of electrical cable at the Brownsville Country Club Subdivision.*

*Project Cost Savings & Revenues: There will be less cost related to labor, material, and equipment for both trouble shooting and the outage restoration.*

## PROJECT REFERENCE E32

Distribution Feeder Protection

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Cesar A. Cortinas

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$150,000	\$100,000	\$0	\$0	\$0	\$250,000

*Description: Install fuse protection to existing branch lines that directly affect main feeders.*

*Project Cost Savings & Revenues: The system's reliability will be increased, and there will be less labor costs related to outage restoration.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE E33

*Electric Distribution – Commercial Paper Carryover Projects*

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

Funding Source: Commercial Paper  
Project Considered: Must Do  
Originator: Elias Quintero

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$149,000	\$0	\$0	\$0	\$0	\$149,000

*Description: This line item is the budget for the carryover projects rolled over from Fiscal Year 2016. Projects include the initial engineering services associated with the new Electric SCADA System. Note: \$149,000 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E34

*Electric Transmission – Commercial Paper Carryover Projects*

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

Funding Source: Commercial Paper  
Project Considered: Must Do  
Originator: Eliazar Perez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$209,440	\$0	\$0	\$0	\$0	\$209,440

*Description: This line item is the budget for the carryover projects rolled over from Fiscal Year 2016. Projects include the transmission line from Loma Alta Substation to Palmito Substation. Note: \$209,440 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE E35

*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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$0	\$200,000	\$200,000

*Description: 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 between the Loma Alta to FM 802 substations and 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 E36

*Communications for Substations Upgrade*

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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$0	\$700,000	\$700,000

*Description: The fiber optic multiplexer system and the Electrical Substations RTUs are old and obsolete, which makes finding replacement parts close to impossible. This will be a turn-key project that includes the replacement of the Fiber Optic JMUX system.*

*Project Cost Savings & Revenues: The new equipment will alleviate recurring maintenance costs due to the existing equipment's age.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE E37

*Electrical SCADA Replacement of System Software and Hardware*

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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$2,010,000	\$0	\$0	\$0	\$0	\$2,010,000

*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: \$320,000 is the FY 2016 carryover amount.*

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

## PROJECT REFERENCE E38

*Schneider ArcFM Fiber Manager Integration with GIS*

Organization: 2210 SCADA & Electrical Support Services  
Project Related to: Growth  
Project Occurrence: One-time  
Category: New

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

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$0	\$40,200	\$40,200

*Description: This is a turn-key project to integrate Schneider ArcFM Fiber Manager Module into the BPUB GIS.*

*Project Cost Savings & Revenues: The use of this application will save time by allowing the SCADA and Electrical Engineering staff to better plan, document and access the BPUB Fiber Optics Network documentation remotely from the field.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE E39

*Improvements Submitted by Staff for Electric Utility*

Organization: 7135 Geographic Information Systems  
Project Related to: Growth  
Project Occurrence: One-time  
Category: New

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Jesus Alfaro

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	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 E40

*Comprehensive GIS Field Survey and Verification*

Organization: 7135 Geographic Information Systems  
Project Related to: Growth  
Project Occurrence: One-time  
Category: New

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Hazael Becerra

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$450,000	\$0	\$0	\$450,000

*Description: The last time BPUB conducted an electrical infrastructure survey was 16 years ago. This project will allow for a hired company to survey and field all relevant GIS Electrical features such as poles, transformers, conductors and phasing. Due to incoming applications for Electric Engineering and SCADA, it is a necessary comprehensive infrastructure survey to provide a reliable platform for these projects.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE E41

### *IT Staging Environment for BPUB GIS*

Organization: 7135 Geographic Information Systems  
Project Related to: Growth  
Project Occurrence: One-time  
Category: New

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Hazael Becerra

#### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$150,000	\$0	\$0	\$150,000

*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 judgement mistakes when BPUB crews are troubleshooting.*

## PROJECT REFERENCE E42

### *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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$2,776,685	\$0	\$0	\$0	\$0	\$2,776,685

*Description: Planning and development services for the new Tenaska Brownsville Generation Station.*

*Note: \$2,776,685 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE E43

*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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$4,403,542	\$0	\$0	\$0	\$0	\$4,403,542

*Description: Engineering and feasibility services and right-of-way for the proposed natural gas pipeline to the new Tenaska Brownsville Generation Station. Note: \$4,403,542 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E44

*Continuous Emissions Monitor System Data Controllers*

Organization: 1420 Environmental Compliance  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Resubmission

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Ramiro Capistran Jr.

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$28,000	\$0	\$0	\$0	\$0	\$28,000

*Description: The Continuous Emissions Monitor System is aging and needs to be replaced with a more reliable system to avoid high maintenance cost and comply with federal and state regulations. This project will allow the purchase of programmable logic controllers, analyzers and shelter system that will be used to meet emission limitations.*

*Project Cost Savings & Revenues: Cost savings is generated indirectly. Fines/fees for violations can far exceed the equipment cost or the cost resulting from stopping operations.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE E45

### *Unit 10 Umbilical Cord Replacement*

Organization: 1420 Environmental Compliance  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Resubmission

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Ramiro Capistran Jr.

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$8,465	\$61,535	\$0	\$0	\$0	\$70,000

*Description: The umbilical cord is a vital component of the continuous emissions monitor system. Without proper sample transport, staff is not able to analyze and report emissions as required by EPA and TCEQ regulations.*

*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.*

## PROJECT REFERENCE E46

### *Environmental Building Rehabilitation*

Organization: 1420 Environmental Compliance  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: New

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Ramiro Capistran Jr.

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$0	\$202,000	\$202,000

*Description: The overall condition of the building has deteriorated over its eighteen years of life. No major rehab 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.*

*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 2017 – FY 2021

## PROJECT REFERENCE E47

*Electric Generation – Carryover Improvement Projects*

Organization: 2220 Power Production  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Carryover

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Rolando Lozano

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$66,701	\$0	\$0	\$0	\$0	\$66,701

*Description: This line item is the budget for the carryover projects rolled over from Fiscal Year 2016. Projects include the purchase and installation of a condenser, battery charger, and battery bank for unit 5 and unit 6 as well as other electric generation projects. Note: \$66,701 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E48

*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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$400,000	\$89,000	\$0	\$0	\$0	\$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: Legal expenses and staff involvement from NERC Compliance, Risk Management, Power Production and Energy Control will be eliminated.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE E49

*Unit 6/9 Generator Step-up Project – Additional Funds*

Organization: 2220 Power Production  
Project Related to: Emergency  
Project Occurrence: One-time  
Category: Carryover & Resubmission

Funding Source: Improvement  
Project Considered: Load/Capacity Relief  
Originator: Rolando Lozano

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$383,410	\$0	\$0	\$0	\$0	\$383,410

*Description: Unit 6 generator step-up 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: \$178,810 is the FY 2016 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 cost.*

## PROJECT REFERENCE E50

*Unit 6 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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$200,000	\$2,000,000	\$0	\$0	\$0	\$2,200,000

*Description: This project is intended 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: O&M costs to repair the part of the boiler as well as the impact those repairs have on the operating efficiency would be mitigated as the HRSG matures.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE E51

### *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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$250,000	\$500,000	\$0	\$0	\$0	\$750,000

*Description: Cover expenses that will incur from upgrading or replacing equipment or systems that have reached the end of their life cycle, failed prematurely or require enhancement for economic reasons.*

*Project Cost Savings & Revenues: Improve the overall reliability and availability, thereby reducing lost time and unexpected outages and costly repair.*

## PROJECT REFERENCE E52

### *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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$2,008,811	\$1,830,292	\$3,260,105	\$2,729,270	\$2,933,611	\$12,762,089

*Description: Capital budgeting for Oklaunion Power Station will be for various minor and major capital projects throughout the year.*

*Project Cost Savings & Revenues: Implementation of Capital Projects will improve plant's overall reliability and availability, reducing lost time and emergency outage repairs.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE E53

### *Unit 6/9 Protective Relay System Upgrade*

Organization: 2220 Power Production  
Project Related to: Replacement/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: New

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Rolando Lozano

#### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$200,000	\$200,000	\$0	\$0	\$0	\$400,000

*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, improve system reliability, assure NERC reliability compliance and reduce potential arc flash hazards in the working environment.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E54

### *Unit 10 Ovation Control Upgrade*

Organization: 2220 Power Production  
Project Related to: Replacement/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Resubmission

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Rolando Lozano

#### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$684,803	\$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.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE E55

### *Unit 6 Circulation Line Repair/Restoration*

Organization: 2220 Power Production  
Project Related to: Replacement/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Resubmission

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Rolando Lozano

#### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$104,970	\$0	\$0	\$0	\$0	\$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 E56

### *Unit 10 Chiller Cooling Tower Replacement*

Organization: 2220 Power Production  
Project Related to: Replacement/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: New

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Rolando Lozano

#### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$50,000	\$450,000	\$0	\$0	\$0	\$500,000

*Description: Replacement of cooling tower designed for the specific application to reduce maintenance cost, liability and improve performance.*

*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 2017 – FY 2021

## PROJECT REFERENCE E57

*Unit 9 Battery Charger Replacement*

Organization: 2220 Power Production  
 Project Related to: Emergency  
 Project Occurrence: One-time  
 Category: New

Funding Source: Improvement  
 Project Considered: Must Do  
 Originator: Rolando Lozano

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$31,000	\$0	\$0	\$0	\$0	\$31,000

*Description: Replace battery charger that is obsolete and no longer supported by the manufacturer.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE G1

*Administration Building Annex, new Service Center and remodeling of existing Administration Building*

Organization: 1110 General Manager  
 Project Related to: Growth  
 Project Occurrence: One-time  
 Category: Carryover & Resubmission

Funding Source: Improvement & Commercial Paper  
 Project Considered: Must Do  
 Originator: Marie Leal

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$2,597,537	\$8,500,000	\$6,800,000	\$1,700,000	\$0	\$19,597,537

*Description: The Brownsville Public Utilities Board (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: \$1,597,537 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE G2

*Design Services for the FM 511 Facilities Relocation Project*

Organization: 1110 General Manager  
Project Related to: Growth  
Project Occurrence: One-time  
Category: Carryover

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Marie Leal

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$1,116,931	\$0	\$0	\$0	\$0	\$1,116,931

*Description: Architectural and engineering design services of the Operations Service Center to be located on FM 511. Note: \$1,116,931 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE G3

*Implementation of an Enterprise Content Management System (ECMS)*

Organization: 1165 Records Management  
Project Related to: Replacement/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Resubmission

Funding Source: Improvement  
Project Considered: General  
Originator: Lucile Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$300,000	\$250,000	\$550,000

*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, installation and implementation of the system.*

*Project Cost Savings & Revenues: \$35,000 - \$40,000 per year – BPUB will not have to spend tens of thousands of dollars every six months to add 20 terabytes of 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

FY 2017 – FY 2021

## PROJECT REFERENCE G4

### *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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	0	\$0	\$0	\$1,600,000	\$1,600,000

*Description: New federal and state implemented requirements mandate laboratories to comply with the National Environmental Laboratories Accreditation Program (NELAP). This required more bench space, so 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: N/A*

## PROJECT REFERENCE G5

### *Computerized Maintenance Management System (CMMS) Consultant & Integration*

Organization: 2210 SCADA & Electrical Support Services  
Project Related to: Growth  
Project Occurrence: One-time  
Category: Resubmission

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

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$0	\$250,000	\$250,000

*Description: Contract a consultant to analyze the preventive maintenance needs of BPUB, assist in the development of a Request for Proposal and assist in the integration of the CMMS.*

*Project Cost Savings & Revenues: Potential saving by improving operational efficiency and systems reliability.*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## 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: New

Funding Source: Improvement  
Project Considered: General  
Originator: Miguel Perez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$300,000	\$0	\$0	\$0	\$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: N/A*

## PROJECT REFERENCE G7

*Fax over IP*

Organization: 7130 Information Technology  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Resubmission

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Sergio Martinez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$15,000	\$0	\$0	\$0	\$0	\$15,000

*Description: Fax over IP is needed since most telephone provider's communication is moving away from analog telephone lines. Faxing is still heavily used in the health and safety, purchasing, and customer service departments.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE G8

*Cisco Power Plant Chassis*

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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$90,000	\$0	\$0	\$0	\$0	\$90,000

*Description: New core switch needed for network and phone redundancy between main building and the power plant facilities.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE G9

*Ironport Appliances*

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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$48,000	\$0	\$0	\$0	\$0	\$48,000

*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.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE G10

### *Server Storage*

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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$100,000	\$0	\$0	\$0	\$0	\$100,000

*Description: Additional server storage such as Powervault Chassis, SSD disks and EMC storage is needed.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE G11

### *Wireless Access Points*

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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$20,000	\$0	\$0	\$0	\$0	\$20,000

*Description: Additional wireless access points are needed to alleviate user functionality issues that have been arising.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE G12

*Phone System Blades and Storage*

Organization: 7130 Information Technology  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: New

Funding Source: Improvement  
Project Considered: Load/Capacity Relief  
Originator: Sergio Martinez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$110,000	\$0	\$0	\$110,000

*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*

## PROJECT REFERENCE G13

*Appliance for Virtual Terminals – Main Building*

Organization: 7130 Information Technology  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: New

Funding Source: Improvement  
Project Considered: Load/Capacity Relief  
Originator: Sergio Martinez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$115,000	\$0	\$0	\$115,000

*Description: This appliance will include disk storage and CPU processing for Wyse terminals. User demands have increased and need additional resources in order to meet user needs.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE G14

*Appliance for Virtual Terminals – Power Plant*

Organization: 7130 Information Technology  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: New

Funding Source: Improvement  
Project Considered: Load/Capacity Relief  
Originator: Sergio Martinez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$115,000	\$0	\$0	\$115,000

*Description: This appliance will include disk storage and CPU processing for Wyse terminals. User demands have increased and need additional resources in order to meet user needs.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE G15

*Dell FX Chassis and Storage – Main Building*

Organization: 7130 Information Technology  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: New

Funding Source: Improvement  
Project Considered: Load/Capacity Relief  
Originator: Sergio Martinez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$79,000	\$0	\$0	\$79,000

*Description: Departments are needing servers for applications being purchased, more space to place data and additional disk space for new employees and system growth.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE G16

*Dell FX Chassis and Storage – Power Plant*

Organization: 7130 Information Technology  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: New

Funding Source: Improvement  
Project Considered: Load/Capacity Relief  
Originator: Sergio Martinez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$79,000	\$0	\$0	\$79,000

*Description: Departments are needing servers for applications being purchased, more space to place data and additional disk space for new employees and system growth.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE G17

*Web Replication Software*

Organization: 7130 Information Technology  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Resubmission

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Sergio Martinez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$50,000	\$0	\$0	\$0	\$0	\$50,000

*Description: Software, hardware and implementation of an extra site for web.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE G18

*Enterprise Backup Appliance DR4100*

Organization: 7130 Information Technology  
Project Related to: Growth  
Project Occurrence: One-time  
Category: Resubmission

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Sergio Martinez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$60,000	\$0	\$0	\$0	\$0	\$60,000

*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.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE G19

*ArcMail Appliance & Email Archive*

Organization: 7130 Information Technology  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Resubmission

Funding Source: Improvement  
Project Considered: Load/Capacity Relief  
Originator: Sergio Martinez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$50,000	\$0	\$0	\$0	\$0	\$50,000

*Description: Archive and application for e-mail enterprise.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE G20

### *LandWorks Property Management Implementation*

Organization: 7135 Geographic Information Services  
Project Related to: Growth  
Project Occurrence: One-time  
Category: Carryover

Funding Source: Improvement  
Project Considered: General  
Originator: Hazael Becerra

#### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$125,000	\$0	\$0	\$0	\$0	\$125,000

*Description: There is currently no Land Management System for property management. The current process is based on excel sheets and word documents saved on a file server. Note: \$125,000 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: Right-of-way personnel level of efficiency will increase in the areas of negotiations, easements, relocations, appraisals, utility acquisitions and adjustments, land leasing, water rights leasing, water right purchases and real estate purchases.*

## PROJECT REFERENCE G21

### *Human Resources Information System (HRIS) Software*

Organization: 7140 Human Resources  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Resubmission

Funding Source: Improvement  
Project Considered: General  
Originator: Ruben Lozano

#### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$150,000	\$150,000	\$100,000	\$0	\$0	\$400,000

*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.*

*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 2017 – FY 2021

## PROJECT REFERENCE G22

*Fuel Tank Replacement (Tank No. 1)*

Organization: 7150 Fleet Management  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: New

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Hector Quintanilla

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$110,000	\$0	\$0	\$0	\$0	\$110,000

*Description: Fuel tank is rusted and in danger of water getting in, which will cause problems to the BPUB fleet. Replacement of the fuel lines is needed to be able to have reliable fuel lines running from the fuel tanks to the fuel dispensers and avoid any issues.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE G23

*Fleet Management System*

Organization: 7150 Fleet Management  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: New

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Hector Quintanilla

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$130,000	\$0	\$0	\$0	\$0	\$130,000

*Description: 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.*

*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 2017 – FY 2021

## PROJECT REFERENCE G24

### *FuelMaster AIM Upgrades*

Organization: 7150 Fleet Management  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: New

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Hector Quintanilla

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$95,500	\$0	\$0	\$0	\$0	\$95,500

*Description: The 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.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE G25

### *Security System Upgrade*

Organization: 7160 Facility Maintenance  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Carryover

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Steven Lucero

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$130,000	\$0	\$0	\$0	\$0	\$130,000

*Description: Replace obsolete security alarm panel and key pads, make conversion from phone line to cellular monitoring communication, replace/upgrade obsolete fire panel, replace parking security cameras and add cameras to the new overflow parking area. Note: \$130,000 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: Cost savings will occur as a result of not having to call service out for equipment that is down; piece-by-piece purchases are more costly than a blanket purchase.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE G26

*General Improvement – Carryover Projects*

Organization: 9110 Company-wide Expenses

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Improvement

Project Considered: Must Do

Originator: Leandro Garcia

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$137,828	\$0	\$0	\$0	\$0	\$137,828

*Description: This line item is the budget for the carryover projects rolled over from Fiscal Year 2016. Projects include the improvements to the network and other general & administrative projects.*

*Note: \$137,828 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE C1

*Customer Service – Carryover Projects*

Organization: 9110 Company-wide Expenses

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Improvement

Project Considered: Must Do

Originator: Eddy Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$82,226	\$0	\$0	\$0	\$0	\$82,226

*Description: This line item is the budget for the carryover projects rolled over from Fiscal Year 2016.*

*Projects include improvements to the Customer Information System and other customer service projects.*

*Note: \$82,226 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE E58

*Existing Carryover & 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
\$3,000,438	\$0	\$0	\$0	\$0	\$3,000,438

*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: \$674,954 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W1

*Water Plant & Distribution Monitoring System*

Organization: 1422 Analytical Lab  
Project Related to: Growth  
Project Occurrence: One-time  
Category: New

Funding Source: Commercial Paper  
Project Considered: Reliability  
Originator: Lee Roy Atkinson

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$49,027	0	\$0	\$0	\$0	\$49,027

*Description: On-line monitoring system to monitor source water from Water Treatment Plants No. 1 and No. 2 (point of entries) to distribution system.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE W2

*Ammonia Conversion from Gas to Liquid*

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Domingo Cortez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$324,800	\$0	\$0	\$324,800

*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 W3

*Access Control and Facility Cameras*

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Domingo Cortez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$139,200	\$0	\$0	\$0	\$139,200

*Description: Cameras located throughout the plant will help monitor illegal entry and suspicious activities.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE W4

*Chain Link Fence Upgrade*

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: New

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Domingo Cortez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$23,569	\$0	\$0	\$0	\$23,569

*Description: Water Plant No. 1 has 1,153 feet of chain link fence that is in need of replacement.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W5

*20 – Inch Butterfly Valve and Check Valve for Backwash Pump & High Service Pump No. 5*

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: New

Funding Source: Improvement

Project Considered: Must Do

Originator: Domingo Cortez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$53,360	\$0	\$0	\$0	\$0	\$53,360

*Description: The existing butterfly valve and check valve must be replaced due to seepage causing water to flow back into the clearwell.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE W6

*Drain Valves for the Drying Lagoons*

Organization: 3120 Water Plant I

Funding Source: Commercial Paper

Project Related to: Replacements/Upgrades/Rehabilitation

Project Considered: Must Do

Project Occurrence: One-time

Originator: Domingo Cortez

Category: New

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$52,200	\$0	\$0	\$0	\$52,200

*Description: Replacement of four 4-inch drain valves and two 6-inch drain valves. The existing drain valves are not operational.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W7

*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: Domingo Cortez

Category: New

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$272,600	\$0	\$0	\$0	\$0	\$272,600

*Description: The flocculator valves are corroded and do not open or close completely. The valves for the diversion box do not open or close either. Also, the drain valve for basin A is hard to open and close when draining the basin.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE W8

*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: Resubmission

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$47,792	\$0	\$0	\$0	\$0	\$47,792

*Description: Parts for the current emergency shut down 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 shut down system (Model 2000 – X3500 Actuator).*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W9

*Replacement of Windows*

Organization: 3120 Water Plant I

Funding Source: Commercial Paper

Project Related to: Replacements/Upgrades/Rehabilitation

Project Considered: Must Do

Project Occurrence: One-time

Originator: Domingo Cortez

Category: Resubmission

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$107,911	\$0	\$0	\$0	\$107,911

*Description: Existing windows will be removed and replaced. The existing windows are over 25 years old and water penetrates through the bottom.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE W10

### *Two Flocculator Units*

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: New

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Domingo Cortez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$41,760	\$0	\$0	\$0	\$41,760

*Description: The current flocculator units have reached their lifecycle and need to be replaced with new units.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W11

### *High Service Pump No. 5 – Pump and Motor*

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: New

Funding Source: Commercial Paper

Project Considered: Load/Capacity Relief

Originator: Domingo Cortez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$191,400	\$0	\$0	\$191,400

*Description: The current high service pump is over 30 years old and it would be more cost effective to replace the entire unit.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE W12

*Bathroom and Laboratory Renovations*

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: New

Funding Source: Commercial Paper

Project Considered: General

Originator: Domingo Cortez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$22,040	\$0	\$0	\$22,040

*Description: The first floor bathroom will have a suspended ceiling installed to cover up the concrete ceiling. Wall and floor tile will be replaced as well as a new A/C unit installed. The laboratory room will have the current suspended ceiling repaired. The countertops and cabinets will be replaced along with a new sink and faucet.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W13

*Ammonia Conversion from Gas to Liquid*

Organization: 3130 Water Plant II

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Jose Garza

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$50,000	\$225,000	\$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*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE W14

### *Aerator Structure Rehabilitation*

Organization: 3130 Water Plant II

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Jose Garza

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$187,920	\$187,920	\$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 are essential to the water treatment process; they aerate and transport raw water to the rapid mixer chamber for chemical addition.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W15

### *Chemical Containment Coating*

Organization: 3130 Water Plant II

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: New

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Jose Garza

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	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.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE W16

*Installation of New Caustic Soda Feed System*

Organization: 3130 Water Plant II  
 Project Related to: Replacements/Upgrades/Rehabilitation  
 Project Occurrence: One-time  
 Category: New

Funding Source: Improvement  
 Project Considered: Reliability  
 Originator: Jose Garza

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$69,600	\$0	\$0	\$0	\$0	\$69,600

*Description: This project consists of the installation of two caustic soda bulk tanks, two chemical feed pumps, and the housing for the chemical feed pumps. This project will be an improvement from the current caustic feed system which is susceptible to leaks. The proposed system will draw chemical from the top of the chemical bulk tank eliminating the risk of leaks from the pressurized flange connection and ball valve.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W17

*High Service Pump Variable Frequency Drive (VFD)*

Organization: 3130 Water Plant II  
 Project Related to: Replacements/Upgrades/Rehabilitation  
 Project Occurrence: One-time  
 Category: New

Funding Source: Commercial Paper  
 Project Considered: Reliability  
 Originator: Jose Garza

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$46,400	\$0	\$0	\$46,400

*Description: This project will consist of the installation of a new variable frequency drive 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 ultimately eliminating spikes in a system pressures.*

*Project Cost Savings & Revenues: Operationally, the saving 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 2017 – FY 2021

## PROJECT REFERENCE W18

*Lighting on the Sedimentation Basins*

Organization: 3130 Water Plant II  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: New

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Jose Garza

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	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 W19

*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 Garza

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$87,000	\$0	\$0	\$0	\$0	\$87,000

*Description: This project consists of the installation of hand rails around all eight filters.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE W20

### *River Pump No. 1 Impeller Replacement*

Organization: 3140 Raw Water Supply  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Resubmission

Funding Source: Commercial Paper  
Project Considered: Must Do  
Originator: Rene Mariscal

#### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$65,000	\$0	\$0	\$0	\$0	\$65,000

*Description: River pump impeller for River Pump No. 1. The impeller was removed and reinstalled but is no longer as efficient, with potential to fail.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W21

### *New Reservoir Water Circulator*

Organization: 3140 Raw Water Supply  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: New

Funding Source: Commercial Paper  
Project Considered: General  
Originator: Rene Mariscal

#### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$50,000	\$0	\$0	\$0	\$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 2017 – FY 2021

## PROJECT REFERENCE W22

### *Raw Water Infrastructure Improvements*

Organization: 3140 Raw Water Supply  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: New

Funding Source: Commercial Paper  
Project Considered: Reliability  
Originator: Rene Mariscal

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$0	\$261,000	\$261,000

*Description: Repair 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 thus minimizing raw water losses.*

## PROJECT REFERENCE W23

### *Reservoir Dewatering Site*

Organization: 3140 Raw Water Supply  
Project Related to: Growth  
Project Occurrence: One-time  
Category: New

Funding Source: Commercial Paper  
Project Considered: Must Do  
Originator: Rene Mariscal

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$0	\$203,000	\$203,000

*Description: A dewatering site to store and dewater BPUB's reservoir dredge material is needed. The dewatering site will retain slurry pumped from the dredge and allow ample time to dewater prior to hauling for disposal.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE W24

*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: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	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.*

## PROJECT REFERENCE W25

*Water Distribution System Valve Replacement Project*

Organization: 3150 W/WW Operations & Construction  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: New

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000

*Description: Replace approximately 60 inoperable waterline valves ranging in sizes from 4" to 16".*

*Project Cost Savings & Revenues: Reduction of labor costs to perform leak repairs.*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE W26

*Estimated carryover project amount*

Organization: 3310 Water & Wastewater Engineering  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Carryover

Funding Source: Improvement  
Project Considered: General  
Originator: Omar Anzaldua

*Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$164,545	\$0	\$0	\$0	\$0	\$164,545

*Description: This line item is the budget for the carryover projects rolled over from Fiscal Year 2016. Projects includes the wastewater line inspections for subdivisions throughout the city and other wastewater utility projects. Note: \$164,545 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W27

*Ringgold Street – COB and Utility Improvements*

Organization: 3310 Water & Wastewater Engineering  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Carryover

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Omar Anzaldua

*Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$31,963	\$0	\$0	\$0	\$0	\$31,963

*Description: This project involves the replacement of clay sewer gravity line with PVC and concrete manholes with fiberglass manholes and service laterals. Note: \$31,963 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: Reduction of maintenance and O&M costs.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE W28

*Impala Court Waterline Utility Relocation Project*

Organization: 3310 Water & Wastewater Engineering  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Carryover

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$133,915	\$0	\$0	\$0	\$0	\$133,915

*Description: BPUB will relocate and replace the waterline on Impala Court. Note: \$133,915 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W29

*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: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$348,685	\$0	\$0	\$0	\$348,685

*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 of these items with 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 2017 – FY 2021

## PROJECT REFERENCE W30

*North Street - 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: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$343,381	\$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 of these items with PVC lines and new valves and services will reduce the need for maintenance and O&M costs.*

## PROJECT REFERENCE W31

*Southmost Blvd - 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: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$638,867	\$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 14<sup>th</sup> 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.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE W32

*Gazelle 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: Omar Anzaldua  
Category: Resubmission

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$242,900	\$0	\$0	\$0	\$0	\$242,900

*Description: Replacement 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.*

## PROJECT REFERENCE W33

*New One (1) Million Gallon Elevated Storage Tank to Replace the Southmost Elevated Storage Tank*

Organization: 3310 Water & Wastewater Engineering      Funding Source: Commercial Paper  
Project Related to: Replacements/Upgrades/Rehabilitation      Project Considered: Must Do  
Project Occurrence: One-time      Originator: Omar Anzaldua  
Category: New

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$3,631,000	\$0	\$0	\$0	\$0	\$3,631,000

*Description: Demolish the existing elevated storage tank (EST-4/Southmost Tank) which is approximately 47 years old and construct a new one (1) million gallon composite elevated storage tank.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE W34

*Estimated carryover Commercial Paper project amount*

Organization: 3310 Water & Wastewater Engineering      Funding Source: Commercial Paper  
 Project Related to: Replacement/Upgrades/Rehabilitation      Project Considered: Must Do  
 Project Occurrence: One-time      Originator: Omar Anzaldua  
 Category: Carryover

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$309,716	\$0	\$0	\$0	\$0	\$309,716

*Description: This line item is the budget for the carryover projects rolled over from Fiscal Year 2016. Projects include water line improvements on South San Marcelo Blvd and Ringgold Street. Note: \$309,716 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W35

*Filter System Rehabilitation Project at Water Treatment Plants No. 1 and No. 2*

Organization: 3310 Water & Wastewater Engineering      Funding Source: Commercial Paper  
 Project Related to: Replacements/Upgrades/Rehabilitation      Project Considered: Must Do  
 Project Occurrence: One-time      Originator: Omar Anzaldua  
 Category: Carryover

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$955,915	\$0	\$0	\$0	\$0	\$955,915

*Description: This work includes replacement of filter under drains, filter media, coating the interior concrete of each filter cell, 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 from the Commercial Paper Fund.*

*Project Cost Savings & Revenues: Water savings of 21 million gallons per year in addition to the energy savings generated by the addition of Variable Frequency Drives to the pumps.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE W36

*New Raw Water River Intake Facility*

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: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$0	\$8,150,000	\$8,150,000

*Description: Existing River Intake Pumps Station (pump No. 1 and No. 2) which are used to convey flow from the Rio Grande River to WTP No. 1 and No. 2 are over 80 years old and are in need of replacement.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenditures on parts and O&M.*

## PROJECT REFERENCE W37

*Estimated carryover Impact Fees project amount*

Organization: 3310 Water & Wastewater Engineering  
Project Related to: Growth  
Project Occurrence: One-time  
Category: Carryover

Funding Source: Impact Fees  
Project Considered: Must Do  
Originator: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$5,506	\$0	\$0	\$0	\$0	\$5,506

*Description: Carryover projects include engineering services associated with the 2015 Impact Fee Study for BPUB's infrastructure. Note: \$5,506 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE W38

*Martinal Area Waterline System Loops*

Organization: 3310 Water & Wastewater Engineering  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Resubmission

Funding Source: Impact Fees  
Project Considered: General  
Originator: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$630,433	\$484,567	\$0	\$0	\$0	\$1,115,000

*Description: Design and construction of proposed waterlines to close loops within the water system between the areas of Old Port Isabel and Boca Chica along FM 802.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W39

*Concrete Steel Cylinder Waterline Upgrade from Boca Chica Blvd. (SH 48) to WTP No. 2*

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: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$0	\$1,463,000	\$1,463,000

*Description: This project upgrades an existing 30-inch diameter concrete steel cylinder 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 2017 – FY 2021

## PROJECT REFERENCE W40

*24-inch Waterline Loop along FM511 from SRWA to Old Port Isabel 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: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$0	\$8,368,000	\$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.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W41

*16-inch Waterline Loop along FM 511 from SH 48 to Boca Chica Blvd.*

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: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	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 Brownsville PUB 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 2017 – FY 2021

## PROJECT REFERENCE W42

*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: Resubmission

Funding Source: Commercial Paper  
Project Considered: Load/Capacity Relief  
Originator: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$0	\$2,268,000	\$2,268,000

*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.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W43

*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: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	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 2017 – FY 2021

## PROJECT REFERENCE W44

*Waterline Upgrade on Southmost Blvd. from E. 25<sup>th</sup> St. to E. 30<sup>th</sup> St.*

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: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$758,000	\$0	\$0	\$0	\$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.*

## PROJECT REFERENCE W45

*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: Resubmission

Funding Source: Impact Fees  
Project Considered: Load/Capacity Relief  
Originator: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$100,000	\$0	\$0	\$0	\$0	\$100,000

*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.*

*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 2017 – FY 2021

## PROJECT REFERENCE W46

*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: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	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 to future demand located along FM 1732.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W47

*12-inch Waterline West of Hwy 77*

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: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$1,345,000	\$0	\$0	\$0	\$0	\$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*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE W48

*16-inch Waterline at Summer Hill Subdivision*

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: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$894,000	\$0	\$894,000

*Description: This project proposes 3,725 linear feet of new 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 W49

*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: Impact Fees  
Project Considered: Load/Capacity Relief  
Originator: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$748,000	\$0	\$0	\$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: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE W50

*Waterline Upgrade near WTP No. 1*

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: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	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. 13<sup>th</sup> 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.*

## PROJECT REFERENCE WW1

*Improvements Submitted by Staff for Water Utility*

Organization: 7135 Geographic Information Systems  
Project Related to: Growth  
Project Occurrence: One-time  
Category: New

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Jesus Alfaro

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000

*Description: Improvements submitted by staff for the Water Utility.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE W51

*Existing Carryover & Estimated Capital Equipment*

Organization: 9110 Company wide Expenses  
Project Related to: Growth  
Project Occurrence: One-time  
Category: 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
\$70,000	\$0	\$0	\$0	\$0	\$70,000

*Description: This line item is the budget for the carryover capital equipment for the water utility. The funds will be used to purchase vehicles and other equipment. Note: \$70,000 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE WW2

*W/WW SCADA Southmost Communication Tower*

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

Funding Source: Commercial Paper  
Project Considered: Reliability  
Originator: Elias Quintero

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	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.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW3

*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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$50,000	\$50,000	\$0	\$0	\$0	\$100,000

*Description: Remote terminal units to integrate lift stations into the Water/Wastewater SCADA system.*

*Project Cost Savings & Revenues: This will allow Lift Station mechanics and electricians to proactively identify potential problems.*

## PROJECT REFERENCE WW4

*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: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	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.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW5

*Emergency Vapor Scrubber System (EVSS) Rehabilitation/Repairs*

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: Resubmission

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$157,760	\$0	\$0	\$0	\$157,760

*Description: Currently needing to rehabilitate/repair existing EVSS. Existing equipment has deteriorated and exceeded its life expectancy.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE WW6

*Facility chain link fence Replacement*

Organization: 3210 South Wastewater Treatment Plant      Funding Source: Commercial Paper  
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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$98,600	\$0	\$0	\$0	\$98,600

*Description: Replacement of the north and east side perimeter fence for the South Wastewater Treatment Plant.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW7

*One (1) Shaftless Screw Conveyor for the Belt Filter Press Dewatering Station*

Organization: 3210 South Wastewater Treatment Plant      Funding Source: Commercial Paper  
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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$55,680	\$0	\$0	\$0	\$55,680

*Description: Currently needing to purchase one (1) shaftless screw conveyor to replace existing belt conveyor unit, which was not originally intended and/or designed for a dewatering belt filter press system. 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 WW8

*Four (4) Roll Off rectangular open top round bottom 25 cubic containers for the Belt Filter Press Dewatering Station*

Organization: 3210 South Wastewater Treatment Plant      Funding Source: Commercial Paper  
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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$31,320	\$0	\$0	\$0	\$0	\$31,320

*Description: Currently needing to purchase four (4) roll off containers, which are used to haul dewatered bio-solids over to dedicated land disposal site on a daily basis. Existing containers are in need of rehabilitation due to normal wear and tear. Staff is proposing to purchase additional containers to minimize down time when repairs are required.*

*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.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW9

*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: New

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$18,560	\$0	\$0	\$0	\$18,560

*Description: Air condition system replacement at South WWTP administration building.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE WW10

*One (1) 5 HP Submersible Gas Induction Pump Replacement for the Chlorine Contact Chamber Station*

Organization: 3210 South Wastewater Treatment Plant      Funding Source: Commercial Paper  
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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$17,400	\$0	\$0	\$0	\$0	\$17,400

*Description: Currently needing to replace one (1) 5 HP submersible gas induction pump on the chlorine contact chamber station. Existing gas pump is in need of replacement due to normal wear and tear. Recent review and inspection findings determined that the existing pump has exceeded its normal life expectancy by 4 years.*

*Project Cost Savings & Revenues: New replacement pump will improve pump station efficiency allowing the treatment plant process to respond with better treatment capabilities, resulting in a lower cost for treatment per million gallons processed.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW11

*One (1) 200/150 HP Dual Speed Hollow Shaft Motor for River Pump Station*

Organization: 3210 South Wastewater Treatment Plant      Funding Source: Commercial Paper  
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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$30,160	\$0	\$0	\$0	\$0	\$30,160

*Description: Currently needing to replace one (1) 200/150 HP dual speed hollow shaft motor for the river pump station No. 3. Existing motor is in need of replacement due to normal wear and tear. Recent break down and inspection for repair determined that it is more cost effective to purchase a new replacement motor.*

*Project Cost Savings & Revenues: New replacement motor will improve pump station efficiency, allowing the treatment plant process to respond with better treatment capabilities, resulting in a lower cost for treatment per million gallons processed.*

## PROJECT REFERENCE WW12

*One (1) 40 HP Submersible Pump Replacement for the Return Activated Sludge Pump station*

Organization: 3210 South Wastewater Treatment Plant      Funding Source: Commercial Paper  
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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$67,280	\$0	\$0	\$0	\$0	\$67,280

*Description: Currently needing to replace one (1) 40 HP submersible pump on the return activated sludge pump station. Existing motor is in need of replacement due to normal wear and tear. Recent break down and inspection for repair determined that it is more cost effective to purchase a new replacement motor.*

*Project Cost Savings & Revenues: New replacement pump will improve pump station efficiency, allowing the treatment plant process to respond with better treatment capabilities, resulting in a lower cost for treatment per million gallons processed.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW13

*Chlorine Contact Chamber Sluice Gate Replacement Project*

Organization: 3210 South Wastewater Treatment Plant      Funding Source: Commercial Paper  
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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$116,000	\$0	\$0	\$116,000

*Description: Existing sluice gate valves are not properly installed and have sustained damage through time. Currently needing to replace new valve with actuators to improve process.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE WW14

*Launder Cover System for Three Final Clarifiers for Algae Control*

Organization: 3220 Robindale Wastewater Treatment Plant      Funding Source: Improvement & 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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$944,657	\$0	\$0	\$0	\$0	\$944,657

*Description: Install a launder cover system on three final clarifiers. This will minimize sunlight exposure to effluent collected through the channel area, minimizing the production of algae growth to the system. Note: \$944,657 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW15

### *Ultra Violet Light Canopy Project*

Organization: 3220 Robindale Wastewater Treatment Plant      Funding Source: Commercial Paper  
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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$416,440	\$0	\$0	\$0	\$0	\$416,440

*Description: UV light is currently being impacted with the growth of algae. A canopy cover system will minimize the sunlight exposure to the UV light station and reduce algae growth.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE WW16

### *One (1) New Grit Pump for the Eutek Headcell Grit Pumping Station*

Organization: 3220 Robindale Wastewater Treatment Plant      Funding Source: Commercial Paper  
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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$19,140	\$0	\$0	\$0	\$19,140

*Description: Currently needing to purchase one (1) new grit pump for the Eutek Headcell grit pump station. 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 a new pump for this 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 thus resulting in a lower cost for treatment per million gallons processed.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW17

*Replacement/Construction of new Concrete Marquee Sign*

Organization: 3220 Robindale Wastewater Treatment Plant      Funding Source: Commercial Paper  
 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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$27,260	\$0	\$0	\$0	\$27,260

*Description: This project consists of demolishing existing and constructing new concrete marquee sign in front of the main Robindale WWTP entrance. Estimated pricing provided by engineering department based on verbal quote.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE WW18

*Nitrification Control System Phase I Implementation*

Organization: 3220 Robindale Wastewater Treatment Plant      Funding Source: Commercial Paper  
 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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$168,200	\$0	\$0	\$168,200

*Description: Staff would like to optimize the modification ludzack-ettinger (MLE) process at the Robindale WWTP to become more efficient and save energy by adding a nitrification controller automated monitoring system of real time nitrification.*

*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 a lower electrical cost from air blower demand.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW19

*Four (4) Torque Valve Actuators for the Train Inlet Isolation Valves*

Organization: 3220 Robindale Wastewater Treatment Plant      Funding Source: Commercial Paper  
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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$49,880	\$0	\$0	\$49,880

*Description: Staff is proposing to purchase and install four (4) new torque valve actuators for the main inlet isolation valves (trains 1 through 4). Actuators will require 3 phase 480 electrical voltage that will be supplied and installed by BPUB electrical department.*

*Project Cost Savings & Revenues: Valve actuators will decrease time of operational staff which will result in time savings allowing staff to increase productivity.*

## PROJECT REFERENCE WW20

*Belt Filter Press Dewatering Station*

Organization: 3220 Robindale Wastewater Treatment Plant      Funding Source: Commercial Paper  
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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$0	\$2,800,240	\$2,800,240

*Description: Currently needing to 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, therefore reducing the metal wheel repairs cost significantly. New system will also reduce man hours by reducing the time and effort that is placed in to monitoring and moving the rolloff containers forward manually as they are currently being filled.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW21

### *Lift Station Shop Renovations*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Improvement

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$250,000	\$0	\$0	\$0	\$0	\$250,000

*Description: Lift station shop building renovations and modifications to provide for additional personnel office space and restrooms. Note: \$250,000 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE WW22

### *Rehabilitation of Lift Station No. 7, 18 and 68*

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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$486,064	\$0	\$0	\$0	\$0	\$486,064

*Description: This project includes the rehabilitation of Lift Station No. 7, 18 and 68. Note: \$486,064 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW23

*Lift Station No. 72 Replacement*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$635,000	\$0	\$0	\$0	\$0	\$635,000

*Description: Complete lift station replacement including: new 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 after completion.*

## PROJECT REFERENCE W24

*Lift Station No. 9 Pump Replacement*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: New

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$77,000	\$0	\$0	\$0	\$0	\$77,000

*Description: Existing pump is at the end of its life cycle and is unreliable. New submersible wastewater non-clog pump is needed.*

*Project Cost Savings & Revenues: After this pump is replaced, less frequent equipment breakdowns are expected, which will result in O&M cost savings.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW25

### *Lift Station No. 10 Rehabilitation*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$535,000	\$0	\$0	\$0	\$535,000

*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.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.*

## PROJECT REFERENCE WW26

### *Lift Station No. 11 Rehabilitation*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$535,000	\$0	\$0	\$535,000

*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.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW27

### *Lift Station No. 12 Rehabilitation*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$0	\$560,000	\$560,000

*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.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.*

## PROJECT REFERENCE WW28

### *Lift Station No. 13 Rehabilitation*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$500,000	\$0	\$500,000

*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.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW29

### *Lift Station No. 17 Rehabilitation*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$500,000	\$0	\$500,000

*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.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.*

## PROJECT REFERENCE WW30

### *Lift Station No. 23 Rehabilitation*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$535,000	\$0	\$535,000

*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.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW31

### *Lift Station No. 28 Rehabilitation*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$535,000	\$0	\$535,000

*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.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.*

## PROJECT REFERENCE WW32

### *Lift Station No. 43 Rehabilitation*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$535,000	\$0	\$0	\$535,000

*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.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW33

*Lift Station No.44 Rehabilitation*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$550,000	\$0	\$0	\$0	\$0	\$550,000

*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.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.*

## PROJECT REFERENCE WW34

*Lift Station No. 47 Rehabilitation*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$535,000	\$0	\$0	\$0	\$535,000

*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.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW35

*Lift Station No. 51 Rehabilitation*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$535,000	\$0	\$0	\$0	\$535,000

*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.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.*

## PROJECT REFERENCE WW36

*Lift Station No. 53 Rehabilitation*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$535,000	\$0	\$535,000

*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.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW37

*Lift Station No. 58 Rehabilitation*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$535,000	\$0	\$0	\$0	\$535,000

*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.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.*

## PROJECT REFERENCE WW38

*Lift Station No. 67 Rehabilitation*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$535,000	\$0	\$0	\$0	\$535,000

*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.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW39

*Lift Station No. 68 Rehabilitation*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$555,000	\$0	\$0	\$0	\$0	\$555,000

*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.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.*

## PROJECT REFERENCE WW40

*Lift Station No. 69 Rehabilitation*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$480,000	\$0	\$0	\$0	\$0	\$480,000

*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.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW41

### *Lift Station No. 77 Rehabilitation*

Organization: 3230 Wastewater Lift Stations  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Resubmission

Funding Source: Commercial Paper  
Project Considered: Must Do  
Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$0	\$535,000	\$535,000

*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.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.*

## PROJECT REFERENCE WW42

### *Lift Station No. 80 Rehabilitation*

Organization: 3230 Wastewater Lift Stations  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Resubmission

Funding Source: Commercial Paper  
Project Considered: Must Do  
Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$535,000	\$0	\$0	\$535,000

*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.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW43

*Lift Station No. 82 Rehabilitation*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$0	\$540,000	\$540,000

*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.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.*

## PROJECT REFERENCE WW44

*Lift Station No. 85 Rehabilitation*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$0	\$535,000	\$535,000

*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.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW45

*Lift Station No. 89 Rehabilitation*

Organization: 3230 Wastewater Lift Stations  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Resubmission

Funding Source: Commercial Paper  
Project Considered: Must Do  
Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$515,000	\$0	\$0	\$0	\$515,000

*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.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.*

## PROJECT REFERENCE WW46

*Lift Station No. 95 Rehabilitation*

Organization: 3230 Wastewater Lift Stations  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Resubmission

Funding Source: Commercial Paper  
Project Considered: Must Do  
Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$535,000	\$0	\$0	\$0	\$0	\$535,000

*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.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW47

*Lift Station No. 99 Rehabilitation*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$535,000	\$0	\$0	\$0	\$535,000

*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.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.*

## PROJECT REFERENCE WW48

*Lift Station No. 101 Rehabilitation*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$535,000	\$0	\$0	\$535,000

*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.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW49

*Lift Station No. 102 Rehabilitation*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$0	\$635,000	\$635,000

*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.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.*

## PROJECT REFERENCE WW50

*Lift Station No. 105 Rehabilitation*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$535,000	\$0	\$0	\$535,000

*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.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW51

*Lift Station No. 106 Rehabilitation*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$0	\$535,000	\$535,000

*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.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.*

## PROJECT REFERENCE WW52

*Lift Station No. 113 Rehabilitation*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$540,000	\$0	\$540,000

*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.*

*Project Cost Savings & Revenues: Minimal down time and minimal expenses on parts.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW53

*Lift Station No. 96 Decommission & 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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$500,000	\$0	\$0	\$0	\$500,000

*Description: Decommissioning of lift station through installation of required sanitary sewer. 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 WW54

*Lift Station No. 103 Decommission & 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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$0	\$500,000	\$500,000

*Description: Decommissioning of lift station through installation of required sanitary sewer. 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.*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW55

*Lift Station No. 63 Pump Replacement*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$75,000	\$0	\$0	\$0	\$0	\$75,000

*Description: New submersible wastewater non-clog pump.*

*Project Cost Savings & Revenues: Minimal down time and O&M cost savings.*

## PROJECT REFERENCE WW56

*Lift Station No. 63 MCC Building Replacement*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$400,000	\$0	\$0	\$0	\$0	\$400,000

*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 down time and O&M cost savings.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW57

*Lift Station No. 65 Pump Replacement*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$58,500	\$0	\$0	\$0	\$58,500

*Description: New submersible wastewater non-clog pump.*

*Project Cost Savings & Revenues: Minimal down time and O&M cost savings.*

## PROJECT REFERENCE WW58

*Lift Station No. 15 Turbulence Reduction*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$100,000	\$0	\$0	\$0	\$100,000

*Description: Modifications to the receiving manholes and force main outfall at lift station No. 15 to reduce wastewater turbulence, 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 2017 – FY 2021

## PROJECT REFERENCE WW59

*Lift Station No. 106 Turbulence Reduction*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$100,000	\$0	\$0	\$0	\$100,000

*Description: Modifications to the receiving manholes and force main outfall at lift station No. 106 to reduce wastewater turbulence, thereby reducing corrosion and foul odor generation.*

*Project Cost Savings & Revenues: Cost savings due to less odor control.*

## PROJECT REFERENCE WW60

*Lift Station No. 159 Motor Control Center (MCC) Building Replacement*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$380,000	\$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 2017 – FY 2021

## PROJECT REFERENCE WW61

*Lift Station System-wide Fence Replacement*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$150,000	\$0	\$0	\$0	\$150,000

*Description: Replacement of perimeter/security fences for several lift stations throughout the system.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE WW62

*Lift Station General Pump Replacement*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$68,500	\$0	\$0	\$0	\$0	\$68,500

*Description: New submersible wastewater non-clog pumps to replace outdated pumps throughout the lift station system as required throughout the fiscal year.*

*Project Cost Savings & Revenues: Minimal down time and O&M cost savings.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW63

*South to North Wastewater Reroutes – Lift Station No. 4 Force Main*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Load/Capacity Relief

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$250,000	\$575,000	\$575,000	\$1,400,000

*Description: Lift Station No. 4 force main installation to reroute flows to the north system.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE WW64

*South to North Wastewater Reroutes – Lift Station No. 9 Upgrade and Valve Reconfiguration*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Load/Capacity Relief

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$0	\$690,000	\$690,000

*Description: Lift Station No. 9 upgrade and valve reconfiguration to reroute flows to the north system.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW65

*South to North Wastewater Reroutes – Lift Station No. 20, 22 and 27 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 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$240,000	\$0	\$0	\$240,000

*Description: Lift Station No. 20, 22 and 27 valve reconfiguration to reroute flows to the north system.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE WW66

*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 2017	FY 2018	FY 2019	FY 2020	FY 2021	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*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW67

*SWWTP Parking Lot Addition*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: General

Originator: Noe C. Hernandez

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$30,000	\$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 WW68

*Estimated carryover Improvement project amount*

Organization: 3310 Water & Wastewater Engineering

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Improvement

Project Considered: Must Do

Originator: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$142,635	\$0	\$0	\$0	\$0	\$142,635

*Description: Carryover projects include wastewater line improvements on South San Marcelo Blvd, Ringgold Street and other wastewater utility projects. Note: \$142,635 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW69

*FM 511 – 802 Colonia Wastewater Improvements Project*

Organization: 3310 Water & Wastewater Engineering

Funding Source: Improvement & Commercial Paper

Project Related to: Replacements/Upgrades/Rehabilitation

Project Considered: General

Project Occurrence: One-time

Originator: Omar Anzaldua

Category: Carryover

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$1,403,965	\$0	\$0	\$0	\$0	\$1,403,965

*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: \$1,403,965 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE WW70

*Ringgold Street – COB and Utility Improvements*

Organization: 3310 Water & Wastewater Engineering

Funding Source: Improvement

Project Related to: Replacements/Upgrades/Rehabilitation

Project Considered: Reliability

Project Occurrence: One-time

Originator: Omar Anzaldua

Category: Carryover

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$212,501	\$0	\$0	\$0	\$0	\$212,501

*Description: This project involves the replacement of clay sewer gravity line with PVC and concrete manholes with fiberglass manholes and service laterals. Note: \$212,501 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: Reduction of maintenance and O&M costs.*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW71

*North and South Colonias Project Design*

Organization: 3310 Water & Wastewater Engineering

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: New, Carryover

Funding Source: Improvement & Commercial Paper

Project Considered: General

Originator: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$548,609	\$0	\$0	\$0	\$0	\$548,609

*Description: Design and surveying for the addition of first-time sewer to various colonias in the North and South areas of Brownsville. Note: \$323,407 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE WW72

*Odor Control Master Plan Implementation Engineering*

Organization: 3310 Water & Wastewater Engineering

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Improvement

Project Considered: Must Do

Originator: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$40,642	\$0	\$0	\$0	\$0	\$40,642

*Description: Engineering services associated with the design, bidding and construction of the vapor phase odor control bio-trickling filters at South Wastewater Treatment Plant and 16 lift stations throughout the wastewater collection system. Note: \$40,642 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW73

### *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: Omar Anzaldua  
Category: Carryover

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$841,445	\$0	\$0	\$0	\$0	\$841,445

*Description: This project includes wastewater infrastructure improvements that include the upgrade of the sewer gravity main from International to 14<sup>th</sup> Street in the Downtown Market Area. Note: \$841,445 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: Reduction of utility repairs.*

## PROJECT REFERENCE WW74

### *North 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: Omar Anzaldua  
Category: Resubmission

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	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.*

*Project Cost Savings & Revenues: Reduction of maintenance and O&M costs.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW75

*Gazelle Street – 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: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	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.*

*Project Cost Savings & Revenues: Reduction of maintenance and O&M costs.*

## PROJECT REFERENCE WW76

*Las Palmas First-Time Sewer Collection Project*

Organization: 3310 Water & Wastewater Engineering

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper & Grants

Project Considered: General

Originator: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$1,052,134	\$0	\$0	\$0	\$0	\$1,052,134

*Description: This project is for the construction and addition of first-time sewer services to the Las Palmas colonia.*

*Project Cost Savings & Revenues: Reduction of maintenance and O&M costs.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW77

*Estimated carryover Commercial Paper 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: Omar Anzaldua  
Category: Carryover

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$232,202	\$0	\$0	\$0	\$0	\$232,202

*Description: Carryover projects include wastewater line improvements on South San Marcelo Blvd, Ringgold Street and other wastewater utility projects. Note: \$232,202 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE WW78

*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: Omar Anzaldua  
Category: Resubmission

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$338,805	\$2,005,152	\$405,000	\$2,748,957

*Description: The analysis, design and construction will upgrade the lift station pumps and force main from Lift Station No. 41 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 2017 – FY 2021

## PROJECT REFERENCE WW79

*Vapor Phase Odor Control Design, Bidding & Construction Services – Phase I*

Organization: 3310 Water & Wastewater Engineering      Funding Source: Commercial Paper  
Project Related to: Replacements/Upgrades/Rehabilitation      Project Considered: Must Do  
Project Occurrence: One-time      Originator: Omar Anzaldua  
Category: Carryover

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$2,189,830	\$0	\$0	\$0	\$0	\$2,189,830

*Description: Phase I will design, bid and construct the vapor phase odor control bio-trickling filters at South Wastewater Treatment Plant and 16 lift stations throughout wastewater collection system. Note: \$2,189,830 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE WW80

*Vapor Phase Odor Control Design, Bidding & Construction Services – Phase II*

Organization: 3310 Water & Wastewater Engineering      Funding Source: Commercial Paper  
Project Related to: Replacements/Upgrades/Rehabilitation      Project Considered: General  
Project Occurrence: One-time      Originator: Omar Anzaldua  
Category: New

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$2,550,000	\$0	\$0	\$0	\$0	\$2,550,000

*Description: Phase II will provide vapor phase odor control bio-trickling filters at South Wastewater Treatment Plant and 16 lift stations throughout the wastewater collection system.*

*Project Cost Savings & Revenues: Switching from chemical phase to vapor phase will generate cost savings.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW81

*Estimated carryover Impact Fees project amount*

Organization: 3310 Water & Wastewater Engineering      Funding Source: Impact Fees  
Project Related to: Replacements/Upgrades/Rehabilitation      Project Considered: Must Do  
Project Occurrence: One-time      Originator: Omar Anzaldua  
Category: Carryover

*Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$3,643	\$0	\$0	\$0	\$0	\$3,643

*Description: Carryover projects include engineering services associated with the 2015 Impact Fee Study for BPUB's infrastructure. Note: \$3,643 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE WW82

*Lift Station Upgrades – Project 51 A*

Organization: 3310 Water & Wastewater Engineering      Funding Source: Commercial Paper  
Project Related to: Replacements/Upgrades/Rehabilitation      Project Considered: Load/Capacity Relief  
Project Occurrence: One-time      Originator: Omar Anzaldua  
Category: Resubmission

*Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$2,959,000	\$0	\$2,959,000

*Description: Upgrade in capacity at seven lift stations to accommodate projected wastewater demand.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW83

*Lift Station Upgrades – Project 51 B*

Organization: 3310 Water & Wastewater Engineering

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Load/Capacity Relief

Originator: Omar Anzaldua

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$0	\$2,600,000	\$2,600,000

*Description: Upgrade in capacity at five lift stations to accommodate projected wastewater demand.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE WW84

*Villanueva Colonia Wastewater Improvements Project*

Organization: 3310 Water & Wastewater Engineering

Project Related to: Growth

Project Occurrence: One-time

Category: Carryover

Funding Source: Grants

Project Considered: Must Do

Originator: David Abrego

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$186,463	\$0	\$0	\$0	\$0	\$186,463

*Description: This project involves the construction of sewer infrastructure to provide residents in the Villanueva Colonia with first-time sewer service. Note: \$186,463 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: There will be an approximate addition of 75 connections from this project and resulting revenue estimated at \$32,000 per year.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW85

*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: Omar Anzaldua  
 Category: New

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$3,000,000	\$700,000	\$0	\$0	\$0	\$3,700,000

*Description: This project is for the construction of yard-line connections to approximately 465-500 homes in the FM-511-802 colonias project area.*

*Project Cost Savings & Revenues: N/A.*

## PROJECT REFERENCE WW86

*Proposed Wastewater Effluent Reuse Line – Engineering and Feasibility Services*

Organization: 4310 Operational Support Services      Funding Source: Improvement & Commercial Paper  
 Project Related to: Growth      Project Considered: Must Do  
 Project Occurrence: One-time      Originator: Jaime Estrada  
 Category: Carryover & Resubmission

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$1,542,240	\$0	\$0	\$4,331,683	\$4,331,683	\$10,205,606

*Description: Engineering, feasibility and construction associated with the proposed wastewater reuse line to the Tenaska Brownsville Generation Station. Note: \$1,542,240 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW87

*Proposed Industrial Wastewater Transportation Service – Engineering and Feasibility Services*

Organization: 4310 Operational Support Services  
Project Related to: Growth  
Project Occurrence: One-time  
Category: Carryover & Resubmission

Funding Source: Improvement & Commercial Paper  
Project Considered: Must Do  
Originator: Jaime Estrada

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$260,881	\$0	\$0	\$2,454,621	\$2,454,621	\$5,170,123

*Description: Engineering, feasibility and construction associated with the proposed industrial wastewater transportation service from the Tenaska Brownsville Generation Station. Note: \$260,881 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE WW88

*Improvements Submitted by Staff for Wastewater Utility*

Organization: 7135 Geographic Information Services  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: New

Funding Source: Improvement  
Project Considered: General  
Originator: Hazael Becerra

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$0	\$0	\$0	\$0	\$100,000	\$100,000

*Description: Improvements submitted by staff for the Wastewater Utility.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2017 – FY 2021

## PROJECT REFERENCE WW89

*Existing Carryover & Estimated Capital Equipment*

Organization: 3310 Water & Wastewater Engineering

Funding Source: Improvement

Project Related to:

Project Considered: General

Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Originator: Company-wide

Category: Carryover

### *Estimated Costs by Fiscal Year*

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
\$302,111	0	\$0	\$0	\$0	\$302,111

*Description: This line item is the budget for the carryover capital equipment for the wastewater utility. The funds will be used to purchase vehicles and other equipment. Note: \$302,111 is the FY 2016 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## CAPITAL BUDGET SUMMARY

### Improvement Fund Projects (Fund 400)

Project Ref. No.	UTILITY FUNCTION	DESCRIPTION	APPROVED FY 2016 CARRYOVER	APPROVED FISCAL YEAR 2017	SUBTOTAL	APPROVED FY 2018-2021	TOTAL
<b>ELECTRIC PROJECTS</b>							
<b>DEPARTMENT 2120 - SUBSTATIONS AND RELAYING</b>							
E1	Elec Trans	One 15/20/25/28 MVA Power Transformer (Board-approved on April 11, 2016)	415,254	-	415,254	-	415,254
E2	Elec Dist	Power Transformers Radiators Replacement	-	70,000	70,000	70,000	140,000
E3	Elec Trans	Replace 138 KV Oil Circuit Breakers with SF-6 Gas Breakers at Loma Alta Substation	-	-	-	1,750,000	1,750,000
E4	Elec Trans	Union Carbide Substation Upgrade, 69 KV to 138 KV	-	-	-	2,000,000	2,000,000
E5	Elec Trans	Replace 138 KV Breakers at the FM 802, Military Hwy and Waterport Substation	-	100,000	100,000	250,000	350,000
E6	Elec Trans	Battery Bank Replacements at the Loma Alta, Midtown and Union Carbide Substations	-	15,000	15,000	15,000	30,000
<b>Total for Dept 2120</b>			<b>415,254</b>	<b>185,000</b>	<b>600,254</b>	<b>4,085,000</b>	<b>4,685,254</b>
<b>DEPARTMENT 2130 - ELECTRIC TRANS. &amp; DIST. NEW CONSTRUCTION</b>							
E7	Elec Dist	Capacitor Bank Controls and Recloser Controls	-	125,000	125,000	125,000	250,000
E8	Elec Dist	Recloser Controls	-	100,000	100,000	300,000	400,000
<b>Total for Dept 2130</b>			<b>-</b>	<b>225,000</b>	<b>225,000</b>	<b>425,000</b>	<b>650,000</b>
<b>DEPARTMENT 2410 - ELECTRIC ENGINEERING</b>							
E9	Elec Dist	Estimated carryover project amount - Electric Dist.	741,935	-	741,935	-	741,935
E10	Elec Trans	Estimated carryover project amount - Electric Trans.	12,092	-	12,092	-	12,092
E11	Elec Dist	Security Light Installations (Private & Commercial Lots)*	195,116	65,500	260,616	262,000	522,616
E12	Elec Dist	Street Light Installations (Roadways, Streets, Alleys, Intersections)*	48,265	50,000	98,265	200,000	298,265
E13	Elec Dist	New Connections*	420,511	715,000	1,135,511	2,860,000	3,995,511
E14	Elec Dist	New Subdivisions*	321,028	205,670	526,698	822,680	1,349,378
E15	Elec Dist	Trouble Calls & Service Increases*	330,442	769,000	1,099,442	3,222,304	4,321,746
E16	Elec Admin	Fiber optic installations throughout City	186,975	-	186,975	-	186,975
E17	Elec Trans	345KV Transmission Line from Tenaska to Loma Alta Substation (FY 2016 carryover balance)	255,525	-	255,525	-	255,525
E18	Elec Dist	Downtown Market Square - Electric Utility Improvements	236,453	-	236,453	-	236,453
E19	Elec Dist	Electrical Cable and Conduit at Land O'Lakes Subdivision	175,617	-	175,617	-	175,617
E20	Elec Dist	SRWA Well Fields Generators & Automatic Transfer Switches (FY 2016 carryover balance)	174,855	-	174,855	-	174,855
E21	Elec Trans	Transmission High Production Line Washer (FY 2016 carryover balance)	690,000	-	690,000	-	690,000
E24	Elec Dist	Overhead Insulated Wire Installation	-	55,000	55,000	55,000	110,000
E25	Elec Dist	Capacitor Bank and Controller Installation	-	-	-	510,000	510,000
E27	Elec Dist	South Plant Substation Feeder to serve new developments	-	150,000	150,000	-	150,000
E28	Elec Dist	South Plant Substation Feeder serving UTRGV Campus and neighboring areas	-	-	-	293,200	293,200
E29	Elec Dist	Relocation of 12.5KV Distribution Control and Breaker Cabinets (including 28MVA Power Transformers)	-	-	-	1,500,000	1,500,000
E31	Elec Dist	Install electric cable and conduit at the Brownsville Country Club Subdivision	-	-	-	2,750,000	2,750,000
E32	Elec Dist	Distribution Feeder Protection	-	150,000	150,000	100,000	250,000
<b>Total for Dept 2410</b>			<b>3,788,814</b>	<b>2,160,170</b>	<b>5,948,984</b>	<b>12,575,184</b>	<b>18,524,168</b>
<b>DEPARTMENT 2210 - SCADA &amp; ELECTRICAL SUPPORT SERVICES</b>							
E35	Elec Trans	Fiber Optic from Loma Alta to FM 802 Substation & South Plant to Airport Substation	-	-	-	200,000	200,000
E36	Elec Trans	Communications for Substations Upgrade	-	-	-	700,000	700,000
E38	Elec Dist	Schneider ArcFM Fiber Manager integration with GIS	-	-	-	40,200	40,200
<b>Total for Dept. 2210</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>940,200</b>	<b>940,200</b>
<b>DEPARTMENT 7135 - GIS</b>							
E39	Elec Admin	Improvements submitted by staff for Electric Utility	-	-	-	150,000	150,000
E40	Elec Dist	Comprehensive GIS Field Survey and Verification	-	-	-	450,000	450,000
E41	Elec Dist	IT Staging Environment for BPUB GIS	-	-	-	150,000	150,000
<b>Total for Dept 7135</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>750,000</b>	<b>750,000</b>
<b>ELECTRIC TRANS. &amp; DIST. PROJECT TOTAL:</b>			<b>\$ 4,204,068</b>	<b>\$ 2,570,170</b>	<b>\$ 6,774,238</b>	<b>\$ 18,775,384</b>	<b>\$ 25,549,622</b>

**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

Project Ref. No.	UTILITY FUNCTION	DESCRIPTION	APPROVED FY 2016 CARRYOVER	APPROVED FISCAL YEAR 2017	SUBTOTAL	APPROVED FY 2018-2021	TOTAL
<b>DEPARTMENT 1145 - ENERGY SERVICES</b>							
E42	Elec Gen	Brownsville Electric Generating Station - Planning & Development services (FY 2016 carryover balance)	276,685	-	276,685	-	276,685
E43	Elec Gen	Cross Valley Natural Gas Pipeline (FY 2016 carryover balance)	4,403,542	-	4,403,542	-	4,403,542
E42	Elec Gen	Additional funds for Tenaska Generation Station Project (Board-approved on 02/08/16)	2,500,000	-	2,500,000	-	2,500,000
<b>Total for Dept 1145</b>			<b>7,180,227</b>	<b>-</b>	<b>7,180,227</b>	<b>-</b>	<b>7,180,227</b>
<b>DEPARTMENT 1420 - ENVIRONMENTAL COMPLIANCE</b>							
E44	Elec Gen	Continuous Emissions Monitor System Data Controllers	-	28,000	28,000	-	28,000
E45	Elec Gen	Unit 10 Umbilical Cord Replacement	-	8,465	8,465	61,535	70,000
E46	Elec Admin	Environmental Building Rehabilitation	-	-	-	202,000	202,000
<b>Total for Dept 1420</b>			<b>-</b>	<b>36,465</b>	<b>36,465</b>	<b>263,535</b>	<b>300,000</b>
<b>DEPARTMENT 2220 - POWER PRODUCTION</b>							
E47	Elec Gen	Estimated carryover project amount - Electric Gen.	66,701	-	66,701	-	66,701
E49	Elec Gen	Unit 6/9 GSU Project - 2016	178,810	204,600	383,410	-	383,410
E51	Elec Gen	Hidalgo Capital Improvements	-	250,000	250,000	500,000	750,000
E52	Elec Gen	Oklaunion Capital Improvements*	-	2,008,811	2,008,811	10,753,278	12,762,089
E53	Elec Gen	Unit 6/9 Protective Relay System Upgrade	-	200,000	200,000	200,000	400,000
E54	Elec Gen	Unit 10 Ovation Control Upgrade	-	-	-	684,803	684,803
E55	Elec Gen	Unit 6 Circulation Line Repair/Restoration	-	104,970	104,970	-	104,970
E56	Elec Gen	Unit 10 Chiller Cooling Tower Replacement	-	50,000	50,000	450,000	500,000
E57	Elec Gen	Unit 9 Battery Charger Replacement	-	31,000	31,000	-	31,000
<b>Total for Dept 2220</b>			<b>245,511</b>	<b>2,849,381</b>	<b>3,094,892</b>	<b>12,588,081</b>	<b>15,682,973</b>
<b>ELECTRIC GENERATION PROJECT TOTAL:</b>			<b>7,425,738</b>	<b>2,885,846</b>	<b>10,311,584</b>	<b>12,851,616</b>	<b>23,163,200</b>
<b>ESTIMATED PROJECT TOTAL - ELECTRIC</b>			<b>11,629,806</b>	<b>5,456,016</b>	<b>17,085,822</b>	<b>31,627,000</b>	<b>48,712,822</b>
<b>GENERAL &amp; ADMINISTRATIVE PROJECTS</b>							
<b>DEPARTMENT 1110 - GENERAL MANAGER</b>							
G1	Gen. Admin.	Architect/engineering design services for Administration Building Annex (FY 2016 carryover balance)	1,597,537	-	1,597,537	-	1,597,537
G2	Gen. Admin.	Architect/engineering design services for FM 511 Facilities Relocation Project (FY 2016 carryover balance)	1,116,931	-	1,116,931	-	1,116,931
<b>Total for Dept. 1110</b>			<b>2,714,468</b>	<b>-</b>	<b>2,714,468</b>	<b>-</b>	<b>2,714,468</b>
<b>DEPARTMENT 1165 - RECORDS MANAGEMENT</b>							
G3	Gen. Admin.	Implementation of an ECMS system	-	-	-	550,000	550,000
<b>Total for Dept 1165</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>550,000</b>	<b>550,000</b>
<b>DEPARTMENT 1422 - ANALYTICAL LAB</b>							
G4	Gen. Admin.	Laboratory Expansion	-	-	-	1,600,000	1,600,000
<b>Total for Dept 1422</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>1,600,000</b>	<b>1,600,000</b>
<b>DEPARTMENT 2210 - SCADA &amp; ELECTRICAL SUPPORT SERVICES</b>							
G5	Gen. Admin.	Computerized Maintenance Management System (CMMS) Consultant	-	-	-	100,000	100,000
G5	Gen. Admin.	Computerized Maintenance Management System (CMMS) Integration	-	-	-	150,000	150,000
<b>Total for Dept. 2210</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>250,000</b>	<b>250,000</b>
<b>DEPARTMENT 5120 - ACCOUNTING</b>							
G6	Gen. Admin.	Consulting Services for New Financial Management System and Accounting Software	-	300,000	300,000	-	300,000
<b>Total for Dept 5120</b>			<b>-</b>	<b>300,000</b>	<b>300,000</b>	<b>-</b>	<b>300,000</b>

**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**

Project Ref. No.	UTILITY FUNCTION	DESCRIPTION	APPROVED FY 2016 CARRYOVER	APPROVED FISCAL YEAR 2017	SUBTOTAL	APPROVED FY 2018-2021	TOTAL
<b>DEPARTMENT 7130 - INFORMATION TECHNOLOGY</b>							
G7	Gen. Admin.	FAX Over IP	-	15,000	15,000	-	15,000
G8	Gen. Admin.	Cisco Power Plant Chassis	-	90,000	90,000	-	90,000
G9	Gen. Admin.	Ironport Appliances	-	48,000	48,000	-	48,000
G10	Gen. Admin.	Server Storage	-	100,000	100,000	-	100,000
G11	Gen. Admin.	Wireless Access Points	-	20,000	20,000	-	20,000
G12	Gen. Admin.	Phone system blades and storage	-	-	-	110,000	110,000
G13	Gen. Admin.	Appliance for Virtual Terminals - Main Bldg.	-	-	-	115,000	115,000
G14	Gen. Admin.	Appliance for Virtual Terminals - Power Plant	-	-	-	115,000	115,000
G15	Gen. Admin.	Dell FX chassis and storage - Main Bldg.	-	-	-	79,000	79,000
G16	Gen. Admin.	Dell FX chassis and storage - Power Plant	-	-	-	79,000	79,000
G17	Gen. Admin.	Web Replication Software	-	50,000	50,000	-	50,000
G18	Gen. Admin.	Enterprise Backup Appliance DR4100	-	60,000	60,000	-	60,000
G19	Gen. Admin.	ArcMail Appliance & Email Archive	-	50,000	50,000	-	50,000
<b>Total for Dept 7130</b>			-	<b>433,000</b>	<b>433,000</b>	<b>498,000</b>	<b>931,000</b>
<b>DEPARTMENT 7135 - GEOGRAPHIC INFORMATION SYSTEMS</b>							
G20	Gen. Admin.	LandWorks Property Management Implementation Services	125,000	-	125,000	-	125,000
<b>Total for Dept 7135</b>			<b>125,000</b>	-	<b>125,000</b>	-	<b>125,000</b>
<b>DEPARTMENT 7140 - HUMAN RESOURCES</b>							
G21	Gen. Admin.	HR Information System (HRIS) Software	-	150,000	150,000	250,000	400,000
<b>Total for Dept. 7140</b>			-	<b>150,000</b>	<b>150,000</b>	<b>250,000</b>	<b>400,000</b>
<b>DEPARTMENT 7150 - FLEET MANAGEMENT</b>							
G22	Gen. Admin.	Fuel Tank Replacement (Tank #1)	-	110,000	110,000	-	110,000
G23	Gen. Admin.	Fleet Management System	-	130,000	130,000	-	130,000
G24	Gen. Admin.	FuelMaster AIM Upgrades	-	95,500	95,500	-	95,500
<b>Total for Dept. 7150</b>			-	<b>335,500</b>	<b>335,500</b>	-	<b>335,500</b>
<b>DEPARTMENT 7160 - FACILITY MAINTENANCE</b>							
G25	Gen. Admin.	Security System Upgrade	130,000	-	130,000	-	130,000
<b>Total for Dept. 7160</b>			<b>130,000</b>	-	<b>130,000</b>	-	<b>130,000</b>
<b>DEPARTMENT 9110 - COMPANY-WIDE EXPENSES</b>							
G26	Gen. Admin.	Estimated carryover project amount - General	137,828	-	137,828	-	137,828
C1	Cust. Svc	Est. carryover project amount - Customer Service	82,226	-	82,226	-	82,226
<b>Total for Dept 9110</b>			<b>220,054</b>	-	<b>220,054</b>	-	<b>220,054</b>
<b>ESTIMATED TOTAL BY CATEGORY:</b>							
GENERAL & ADMINISTRATIVE			3,107,296	1,218,500	4,325,796	3,148,000	7,473,796
ADMINISTRATIVE - CUSTOMER SERVICE			82,226	-	82,226	-	82,226
<b>ESTIMATED PROJECT TOTAL - GEN. &amp; ADMIN.</b>			<b>3,189,522</b>	<b>1,218,500</b>	<b>4,408,022</b>	<b>3,148,000</b>	<b>7,556,022</b>
<b>ESTIMATED OVERALL PROJECT TOTAL - ELECTRIC</b>			<b>\$ 14,819,328</b>	<b>\$ 6,674,516</b>	<b>\$ 21,493,844</b>	<b>\$ 34,775,000</b>	<b>\$ 56,268,844</b>
E58	ELECTRIC	ADD FY2016 CARRYOVER CAPITAL EQUIPMENT	674,954	-	674,954	-	674,954
E58	ELECTRIC	ADD ESTIMATED CAPITAL EQUIPMENT BUDGET	-	2,325,484	2,325,484	-	2,325,484
<b>ESTIMATED OVERALL TOTAL - ELECTRIC</b>			<b>\$ 15,494,282</b>	<b>\$ 9,000,000</b>	<b>\$ 3,000,438</b>	<b>\$ -</b>	<b>\$ 59,269,282</b>
<b>WATER PROJECTS</b>							
<b>DEPARTMENT 3120 - WATER PLANT I</b>							
W5	Wtr Supply	20 Inch Butterfly valve and check valve for backwash	-	53,360	53,360	-	53,360
W7	Wtr Treat	Gate valves for flocculator section, valves for diversion	-	272,600	272,600	-	272,600
W8	Wtr Treat	Chlorine ton containers - Emergency shut down system	-	47,792	47,792	-	47,792
<b>Total for Dept 3120</b>			-	<b>373,752</b>	<b>373,752</b>	-	<b>373,752</b>
<b>DEPARTMENT 3130 - WATER PLANT II</b>							
W16	Wtr Treat	Installation of New Caustic Soda Feed System	-	69,600	69,600	-	69,600
W18	Wtr Treat	Lighting on the Sedimentation Basins	-	69,648	69,648	-	69,648
W19	Wtr Treat	Installation of Handrails around the Filters	-	87,000	87,000	-	87,000
<b>Total for Dept 3130</b>			-	<b>226,248</b>	<b>226,248</b>	-	<b>226,248</b>
<b>DEPARTMENT 3150 - W/WW OPERATIONS &amp; CONSTRUCTION</b>							
W24	Wtr T & D	Water New Connections*	-	650,000	650,000	2,600,000	3,250,000
W25	Wtr T & D	Water Distribution System Valve Replacement Project	-	100,000	100,000	400,000	500,000
<b>Total for Dept 3150</b>			-	<b>750,000</b>	<b>750,000</b>	<b>3,000,000</b>	<b>3,750,000</b>

**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**

Project Ref. No.	UTILITY FUNCTION	DESCRIPTION	APPROVED FY 2016 CARRYOVER	APPROVED FISCAL YEAR 2017	SUBTOTAL	APPROVED FY 2018-2021	TOTAL
<b>DEPARTMENT 3310 - WATER &amp; WASTEWATER ENGINEERING</b>							
W26	Wtr T & D	Estimated carryover project amount	164,545	-	164,545	-	164,545
W27	Wtr T & D	Ringgold Street - COB and Utility Improvements	31,963	-	31,963	-	31,963
W28	Wtr T & D	Impala Court Waterline Utility Relocation Project (FY 2016 carryover balance)	133,915	-	133,915	-	133,915
		Budget Adjustment (To Be Determined)	-	-	-	-	-
		<b>Total for Dept 3310</b>	<b>330,423</b>	<b>-</b>	<b>330,423</b>	<b>-</b>	<b>330,423</b>
<b>DEPARTMENT 7135 - GEOGRAPHIC INFORMATION SYSTEMS</b>							
WW1	Wtr Admin	Improvements submitted by staff for Water Utility	-	-	-	1,000,000	1,000,000
		<b>Total for Dept 7135</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,000,000</b>	<b>1,000,000</b>
<b>ESTIMATED PROJECT TOTAL - WATER</b>			<b>330,423</b>	<b>1,350,000</b>	<b>1,680,423</b>	<b>4,000,000</b>	<b>5,680,423</b>
W51	WATER	ADD FY2016 CARRYOVER CAPITAL EQUIPMENT	70,000	-	70,000	-	70,000
<b>ESTIMATED OVERALL TOTAL - WATER</b>			<b>\$ 400,423</b>	<b>\$ 1,350,000</b>	<b>\$ 1,750,423</b>	<b>\$ 4,000,000</b>	<b>\$ 5,750,423</b>
<b>WASTEWATER PROJECTS</b>							
<b>DEPARTMENT 1145 - ENERGY SERVICES</b>							
WW86	WW Coll	Proposed Wastewater Effluent Reuse Line - Engineering and Feasibility Services (FY 2016 carryover balance)	1,542,240	-	1,542,240	-	1,542,240
WW87	WW Coll	Proposed Industrial Wastewater Transportation Service - Engineering and Feasibility Services (FY 2016 carryover balance)	260,881	-	260,881	-	260,881
		<b>Total for Dept 1145</b>	<b>1,803,121</b>	<b>-</b>	<b>1,803,121</b>	<b>-</b>	<b>1,803,121</b>
<b>DEPARTMENT 3220 - ROBINDALE WW TREATMENT PLANT</b>							
WW14	WW Treat	Lauder Cover System for Three Final Clarifiers for Algae Control (FY 2016 carryover balance)	154,457	-	154,457	-	154,457
		<b>Total for Dept 3220</b>	<b>154,457</b>	<b>-</b>	<b>154,457</b>	<b>-</b>	<b>154,457</b>
<b>DEPARTMENT 3230 - WASTEWATER LIFT STATIONS</b>							
WW21	WW Pump	Lift Station Shop Renovations	250,000	-	250,000	-	250,000
		<b>Total for Dept 3230</b>	<b>250,000</b>	<b>-</b>	<b>250,000</b>	<b>-</b>	<b>250,000</b>
<b>DEPARTMENT 3310 WATER &amp; WASTEWATER ENGINEERING</b>							
WW68	WW Coll	Estimated carryover project amount	142,635	-	142,635	-	142,635
WW69	WW Coll	FM 511-802 Colonia Wastewater Improvements Project - Local share of grant (FY 2016 carryover balance)	1,335,885	-	1,335,885	-	1,335,885
WW70	WW Coll	Ringgold Street - COB and Utility Improvements	212,501	-	212,501	-	212,501
WW71	WW Coll	North and South Colonias Project Design	323,407	-	323,407	-	323,407
WW72	WW Pump	Odor Control Master Plan Implementation Engineering	40,642	-	40,642	-	40,642
WW73	WW Coll	Downtown Market Square Improvements (FY 2016 carryover balance)	841,445	-	841,445	-	841,445
		<b>Total for Dept 3310</b>	<b>2,896,515</b>	<b>-</b>	<b>2,896,515</b>	<b>-</b>	<b>2,896,515</b>
<b>DEPARTMENT 7135 - GEOGRAPHIC INFORMATION SYSTEMS</b>							
WW88	WW Coll	Improvements submitted by staff for Wastewater Utility	-	-	-	100,000	100,000
		<b>Total for Dept 7135</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>100,000</b>	<b>100,000</b>
<b>ESTIMATED PROJECT TOTAL - WASTEWATER</b>			<b>5,104,093</b>	<b>-</b>	<b>5,104,093</b>	<b>100,000</b>	<b>5,204,093</b>
WW89	WASTEWATER	ADD FY2016 CARRYOVER CAPITAL EQUIPMENT	302,111	-	302,111	-	302,111
<b>ESTIMATED OVERALL TOTAL - WASTEWATER</b>			<b>\$ 5,406,204</b>	<b>\$ -</b>	<b>\$ 5,406,204</b>	<b>\$ 100,000</b>	<b>\$ 5,506,204</b>
<b>ESTIMATED PROJECT TOTAL</b>			<b>\$ 20,253,844</b>	<b>\$ 8,024,516</b>	<b>\$ 28,278,360</b>	<b>\$ 38,875,000</b>	<b>\$ 67,153,360</b>
<b>ESTIMATED CAPITAL EQUIPMENT TOTAL</b>			<b>1,047,065</b>	<b>2,325,484</b>	<b>3,372,549</b>	<b>-</b>	<b>3,372,549</b>
<b>OVERALL IMPROVEMENT FUND TOTAL:</b>			<b>\$ 21,300,909</b>	<b>\$ 10,350,000</b>	<b>\$ 31,650,909</b>	<b>\$ 38,875,000</b>	<b>\$ 70,525,909</b>

**CAPITAL BUDGET SUMMARY**  
**Impact Fees Fund Projects (Fund 410)**

Project Ref. No.	UTILITY FUNCTION	DESCRIPTION	APPROVED FY 2016 CARRYOVER	APPROVED FISCAL YEAR 2017	SUBTOTAL	APPROVED FY 2018-2021	TOTAL
<b>WATER PROJECTS</b>							
<b>DEPARTMENT 3310 - W/WW ENGINEERING</b>							
W37	Wtr Admin	Estimated carryover project amount	\$ 5,506	\$ -	\$ 5,506	\$ -	5,506
W44	Wtr T & D	Waterline Upgrade on Southmost Blvd. from E. 25th St. to E. 30th St.	-	-	-	758,000	758,000
W45	Wtr T & D	Waterline Upgrade on Southmost Blvd. from EST 4 to Lima St	-	100,000	100,000	-	100,000
W49	Wtr T & D	16-inch Waterline on Boca Chica Blvd. from International Blvd. to Owens Rd.	-	-	-	748,000	748,000
W48	Wtr T & D	16-inch Waterline at Summer Hill Subdivision	-	-	-	894,000	894,000
W47	Wtr T & D	12-inch Waterline West of Hwy 77	-	1,345,000	1,345,000	-	1,345,000
W38	Wtr T & D	Martinal Area Waterline System Loops	-	630,433	630,433	484,567	1,115,000
<b>Total for Dept 3310</b>			<b>5,506</b>	<b>2,075,433</b>	<b>2,080,939</b>	<b>2,884,567</b>	<b>4,965,506</b>
<b>ESTIMATED PROJECT TOTAL - WATER</b>			<b>\$ 5,506</b>	<b>\$ 2,075,433</b>	<b>\$ 2,080,939</b>	<b>\$ 2,884,567</b>	<b>\$ 4,965,506</b>
<b>DEPARTMENT 3310 - W/WW ENGINEERING</b>							
WW81	WW Coll	Estimated carryover project amount	3,643	-	3,643	-	3,643
<b>Total for Dept 3310</b>			<b>3,643</b>	<b>-</b>	<b>3,643</b>	<b>-</b>	<b>3,643</b>
<b>ESTIMATED PROJECT TOTAL - WASTEWATER</b>			<b>\$ 3,643</b>	<b>\$ -</b>	<b>\$ 3,643</b>	<b>\$ -</b>	<b>\$ 3,643</b>
<b>OVERALL TOTAL IMPACT FEES FUND BUDGET:</b>			<b>\$ 9,149</b>	<b>\$ 2,075,433</b>	<b>\$ 2,084,582</b>	<b>\$ 2,884,567</b>	<b>\$ 4,969,149</b>

## CAPITAL BUDGET SUMMARY

### Future Debt Bond Proceeds Projects (Commercial Paper Fund 405)

Project Ref. No.	UTILITY FUNCTION	DESCRIPTION	APPROVED FY 2016 CARRYOVER	APPROVED FISCAL YEAR 2017	SUBTOTAL	APPROVED FY 2018-2021	TOTAL
<b>ELECTRIC PROJECTS</b>							
<b>DEPARTMENT 2410 - ELECTRIC ENGINEERING</b>							
E33	Elec Dist	Estimated carryover project amount - Electric Dist.	\$ 149,000	\$ -	\$ 149,000	\$ -	\$ 149,000
E34	Elec Trans	Estimated carryover project amount - Electric Trans.	209,440	-	209,440	-	209,440
E26	Elec Trans	New 56 MVA Substations & Distribution Lines for New Infrastructure	-	-	-	2,000,000	2,000,000
E22	Elec Trans	Power Plant Substation Upgrade, 69KV to 138KV	-	500,000	500,000	5,735,000	6,235,000
E23	Elec Dist	Install a Second Power Transformer at the Palo Alto Substation	-	-	-	765,000	765,000
E30	Elec Dist	Install a second power transformer at the Waterport Substation	-	-	-	1,142,500	1,142,500
<b>Total for Dept 2410</b>			<b>358,440</b>	<b>500,000</b>	<b>858,440</b>	<b>9,642,500</b>	<b>10,500,940</b>
<b>DEPARTMENT 2220 - POWER PRODUCTION</b>							
E50	Elec Gen	Unit 6 Heat Recovery Steam Generator (HRSG) Improvement	-	200,000	200,000	2,000,000	2,200,000
E48	Elec Gen	Unit 6/9 Combined Cycle Systems Upgrade	-	400,000	400,000	89,000	489,000
E37	Elec Trans	Electrical SCADA Replacement of System Software and Hardware	320,000	1,690,000	2,010,000	-	2,010,000
<b>Total for Dept 2220</b>			<b>320,000</b>	<b>2,290,000</b>	<b>2,610,000</b>	<b>2,089,000</b>	<b>4,699,000</b>
<b>ESTIMATED OVERALL PROJECT TOTAL - ELECTRIC</b>			<b>\$ 678,440</b>	<b>\$ 2,790,000</b>	<b>\$ 3,468,440</b>	<b>\$ 11,731,500</b>	<b>\$ 15,199,940</b>
<b>WATER PROJECTS</b>							
<b>DEPARTMENT 1422 - ANALYTICAL LAB</b>							
W1	Wtr Treat	Water Plant & Distribution Monitoring System	-	49,027	49,027	-	49,027
<b>Total for Dept 1422</b>			<b>-</b>	<b>49,027</b>	<b>49,027</b>	<b>-</b>	<b>49,027</b>
<b>DEPARTMENT 3120 - WATER PLANT I</b>							
W2	Wtr Supply	Ammonia conversion from gas to liquid	-	-	-	324,800	324,800
W3	Wtr Treat	Access control and facility cameras	-	-	-	139,200	139,200
W4	Wtr Treat	Chain Link Fence Upgrade	-	-	-	23,569	23,569
W6	Wtr Supply	Drain Valves for the Drying Lagoons	-	-	-	52,200	52,200
W9	Wtr Treat	Replacement of windows	-	-	-	107,911	107,911
W10	Wtr Treat	Two flocculator units	-	-	-	41,760	41,760
W11	Wtr Supply	High service pump #5 - Pump and motor	-	-	-	191,400	191,400
W12	Wtr Treat	Bathroom and laboratory renovations	-	-	-	22,040	22,040
<b>Total for Dept 3120</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>902,880</b>	<b>902,880</b>
<b>DEPARTMENT 3130 - WATER PLANT II</b>							
W13	Wtr Supply	Ammonia Conversion form Gas to Liquid	-	50,000	50,000	225,000	275,000
W14	Wtr Treat	Aeration Structure Rehabilitation	-	-	-	375,840	375,840
W15	Wtr Supply	Chemical Containment Coating	-	24,000	24,000	-	24,000
W17	Wtr Supply	High Service Pump Variable Frequency Drive (VFD)	-	-	-	46,400	46,400
<b>Total for Dept 3130</b>			<b>-</b>	<b>74,000</b>	<b>74,000</b>	<b>647,240</b>	<b>721,240</b>
<b>DEPARTMENT 3140 - RAW WATER SUPPLY</b>							
W22	Wtr Supply	Raw water infrastructure improvements	-	-	-	261,000	261,000
W23	Wtr Supply	Reservoir Dewatering Site	-	-	-	203,000	203,000
W20	Wtr Supply	River Pump #1 Impeller Replacement	-	65,000	65,000	-	65,000
W21	Wtr Supply	New Reservoir Water Circulator	-	50,000	50,000	-	50,000
<b>Total for Dept 3140</b>			<b>-</b>	<b>115,000</b>	<b>115,000</b>	<b>464,000</b>	<b>579,000</b>
<b>DEPARTMENT 3310 - W/WW ENGINEERING</b>							
W34	Wtr Dist	Estimated carryover project amount	309,716	-	309,716	-	309,716
W35	Wtr Dist	Filter System Rehabilitation Project at Water Treatment Plants No. 1 and No. 2 (construction phase; FY 2016 carryover balance)	955,915	-	955,915	-	955,915
W36	Wtr Supply	New Raw Water River Intake Facility	-	-	-	8,150,000	8,150,000
W33	Wtr T & D	New one (1) Million Gallon Elevated Storage Tank to Replace the Southmost Elevated Storage Tank	-	3,631,000	3,631,000	-	3,631,000
W39	Wtr T & D	Concrete Steel Cylinder Waterline Upgrade from Boca Chica Blvd. (SH 48) to WTP No. 2	-	-	-	1,463,000	1,463,000
W41	Wtr T & D	16-inch Waterline Loop along FM511 from SH 48 to Boca Chica Blvd.	-	-	-	2,900,000	2,900,000
W42	Wtr T & D	16-inch Waterline Loop from Lago Vista to W. Alton Gloor Blvd.	-	-	-	2,268,000	2,268,000
W43	Wtr T & D	16-inch Waterline on Boca Chica Blvd. from Owens Rd. to Iowa Ave.	-	-	-	1,850,000	1,850,000
W46	Wtr T & D	18-inch Waterline along Old Hwy 77 and FM 511 to Old Alice Rd.	-	-	-	2,852,000	2,852,000



**CAPITAL BUDGET SUMMARY**

**Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued**

Project Ref.	UTILITY FUNCTION	DESCRIPTION	APPROVED FY 2016 CARRYOVER	APPROVED FISCAL YEAR 2017	SUBTOTAL	APPROVED FY 2018-2021	TOTAL
W40	Wtr T & D	24-inch Waterline Loop along FM511 from SRWA to Old Port Isabel	-	-	-	8,368,000	8,368,000
W50	Wtr T & D	Waterline Upgrade Near WTP#1	-	-	-	1,021,000	1,021,000
W29	Wtr T & D	South Iowa - COB and Utility Improvements	-	-	-	348,685	348,685
W30	Wtr T & D	North Street - COB and Utility Improvements	-	-	-	343,381	343,381
W31	Wtr T & D	Southmost Blvd - COB and Utility Improvements	-	-	-	638,867	638,867
W32	Wtr T & D	Gazelle Street - COB and Utility Improvements	-	242,900	242,900	-	242,900
		<b>Total for Dept 3310</b>	<b>1,265,631</b>	<b>3,873,900</b>	<b>5,139,531</b>	<b>30,202,933</b>	<b>35,342,464</b>
<b>WATER PROJECT TOTAL:</b>			<b>\$ 1,265,631</b>	<b>\$ 4,111,927</b>	<b>\$ 5,377,558</b>	<b>\$ 32,217,053</b>	<b>\$ 37,594,611</b>
<b>ESTIMATED OVERALL TOTAL - WATER</b>			<b>\$ 1,265,631</b>	<b>\$ 4,111,927</b>	<b>\$ 5,377,558</b>	<b>\$ 32,217,053</b>	<b>\$ 37,594,611</b>
<b>WASTEWATER PROJECTS</b>							
<b>DEPARTMENT 2210 - SCADA &amp; ELECTRICAL SUPPORT SERVICES</b>							
WW2	WW Coll	W/WW SCADA Southmost Communication Tower	-	250,000	250,000	-	250,000
WW3	WW Coll	W/WW SCADA/Lift Station Integration	-	50,000	50,000	50,000	100,000
		<b>Total for Dept 2210</b>	<b>-</b>	<b>300,000</b>	<b>300,000</b>	<b>50,000</b>	<b>350,000</b>
<b>DEPARTMENT 3150 - W/WW OPERATIONS &amp; CONSTRUCTION</b>							
WW4	WW Coll	Wastewater New Connections*	-	450,000	450,000	1,800,000	2,250,000
		<b>Total for Dept 3150</b>	<b>-</b>	<b>450,000</b>	<b>450,000</b>	<b>1,800,000</b>	<b>2,250,000</b>
<b>DEPARTMENT 3210 - SOUTH WASTEWATER TREATMENT PLANT</b>							
WW5	WW Treat	Emergency Vapor Scrubber System (EVSS) Rehabilitation/Repairs	-	-	-	157,760	157,760
WW6	WW Treat	Facility chain link fence	-	-	-	98,600	98,600
WW7	WW Treat	One (1) Shaftless Screw Conveyor for the Belt Filter Press Dewatering	-	-	-	55,680	55,680
WW8	WW Treat	Four (4) Roll Off rectangular open top round bottom 25 cubic yard	-	31,320	31,320	-	31,320
WW9	WW Treat	Air Condition System Replacement at South WWTP Administration	-	-	-	18,560	18,560
WW10	WW Pumping	One (1) 5 HP Submersible Gas Induction Pump Replacement for the	-	17,400	17,400	-	17,400
WW11	WW Pumping	One (1) 200/150 HP Dual Speed Hollow Shaft Motor for River Pump	-	30,160	30,160	-	30,160
WW12	WW Pumping	One (1) 40 HP Submersible Pump Replacement for the return	-	67,280	67,280	-	67,280
WW13	WW Treat	Chlorine Contact Chamber Sluice Gate Replacement Project	-	-	-	116,000	116,000
		<b>Total for Dept 3210</b>	<b>-</b>	<b>146,160</b>	<b>146,160</b>	<b>446,600</b>	<b>592,760</b>
<b>DEPARTMENT 3220 - ROBINDALE WW TREATMENT PLANT</b>							
WW14	WW Pump	Launder Cover System (FY 2016 carryover balance)	790,200	-	790,200	-	790,200
WW15	WW Treat	Ultra Violet Light Canopy Project	-	416,440	416,440	-	416,440
WW16	WW Pumping	One (1) New Grit Pump for the Eutek Headcell Grit Pumping Station	-	-	-	19,140	19,140
WW17	WW Treat	Replacement/Construction of new concrete marquee sign	-	-	-	27,260	27,260
WW18	WW Treat	Nitrification control system phase 1 implementation	-	-	-	168,200	168,200
WW19	WW Treat	Four (4) Torque valve actuators for the train inlet isolation valves	-	-	-	49,880	49,880
WW20	WW Treat	Belt filter press dewatering station	-	-	-	2,800,240	2,800,240
		<b>Total for Dept 3220</b>	<b>790,200</b>	<b>416,440</b>	<b>1,206,640</b>	<b>3,064,720</b>	<b>4,271,360</b>
<b>DEPARTMENT 3230 - WASTEWATER LIFT STATIONS</b>							
WW22	WW Pump	Rehabilitation of Lift Station No. 7, 18 and 68	486,064	-	486,064	-	486,064
WW23	WW Pump	Lift Station No. 72 Replacement	-	635,000	635,000	-	635,000
WW24	WW Pump	Lift Station No. 9 Pump Replacement	-	77,000	77,000	-	77,000
WW25	WW Pump	Lift Station No. 10 Rehabilitation	-	-	-	535,000	535,000
WW26	WW Pump	Lift Station No. 11 Rehabilitation	-	-	-	535,000	535,000
WW27	WW Pump	Lift Station No. 12 Rehabilitation	-	-	-	560,000	560,000
WW28	WW Pump	Lift Station No. 13 Rehabilitation	-	-	-	500,000	500,000
WW29	WW Pump	Lift Station No. 17 Rehabilitation	-	-	-	500,000	500,000
WW30	WW Pump	Lift Station No. 23 Rehabilitation	-	-	-	535,000	535,000
WW31	WW Pump	Lift Station No. 28 Rehabilitation	-	-	-	535,000	535,000
WW32	WW Pump	Lift Station No. 43 Rehabilitation	-	-	-	535,000	535,000
WW33	WW Pump	Lift Station No. 44 Rehabilitation	-	550,000	550,000	-	550,000
WW34	WW Pump	Lift Station No. 47 Rehabilitation	-	-	-	535,000	535,000
WW35	WW Pump	Lift Station No. 51 Rehabilitation	-	-	-	535,000	535,000
WW36	WW Pump	Lift Station No. 53 Rehabilitation	-	-	-	535,000	535,000
WW37	WW Pump	Lift Station No. 58 Rehabilitation	-	-	-	535,000	535,000

**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

Project Ref. No.	UTILITY FUNCTION	DESCRIPTION	APPROVED	APPROVED	SUBTOTAL	APPROVED	TOTAL
			FY 2016 CARRYOVER	FISCAL YEAR 2017		FY 2018-2021	
WW38	WW Pump	Lift Station No. 67 Rehabilitation	-	-	-	535,000	535,000
WW39	WW Pump	Lift Station No. 68 Rehabilitation	-	555,000	555,000	-	555,000
WW40	WW Pump	Lift Station No. 69 Rehabilitation	-	480,000	480,000	-	480,000
WW41	WW Pump	Lift Station No. 77 Rehabilitation	-	-	-	535,000	535,000
WW42	WW Pump	Lift Station No. 80 Rehabilitation	-	-	-	535,000	535,000
WW43	WW Pump	Lift Station No. 82 Rehabilitation	-	-	-	540,000	540,000
WW44	WW Pump	Lift Station No. 85 Rehabilitation	-	-	-	535,000	535,000
WW45	WW Pump	Lift Station No. 89 Rehabilitation	-	-	-	515,000	515,000
WW46	WW Pump	Lift Station No. 95 Rehabilitation	-	535,000	535,000	-	535,000
WW47	WW Pump	Lift Station No. 99 Rehabilitation	-	-	-	535,000	535,000
WW48	WW Pump	Lift Station No. 101 Rehabilitation	-	-	-	535,000	535,000
WW49	WW Pump	Lift Station No. 102 Rehabilitation	-	-	-	635,000	635,000
WW50	WW Pump	Lift Station No. 105 Rehabilitation	-	-	-	535,000	535,000
WW51	WW Pump	Lift Station No. 106 Rehabilitation	-	-	-	535,000	535,000
WW52	WW Pump	Lift Station No. 113 Rehabilitation	-	-	-	540,000	540,000
WW53	WW Pump	Lift Station No. 96 Decommission & Wastewater Line Installation	-	-	-	500,000	500,000
WW54	WW Pump	Lift Station No. 103 Decommission & Wastewater Line Installation	-	-	-	500,000	500,000
WW55	WW Pump	Lift Station No. 63 Pump Replacement	-	75,000	75,000	-	75,000
WW56	WW Pump	Lift Station No. 63 MCC Building Replacement	-	400,000	400,000	-	400,000
WW57	WW Pump	Lift Station No. 65 Pump Replacement	-	-	-	58,500	58,500
WW58	WW Pump	Lift Station No. 15 Turbulence Reduction	-	-	-	100,000	100,000
WW59	WW Pump	Lift Station No. 106 Turbulence Reduction	-	-	-	100,000	100,000
WW60	WW Pump	Lift Station No. 159 MCC Building Replacement	-	-	-	380,000	380,000
WW61	WW Pump	Lift Station Systemwide Fence Replacements	-	-	-	150,000	150,000
WW62	WW Pump	Lift Station General Pump Replacements	-	68,500	68,500	-	68,500
WW63	WW Pump	South to North Wastewater Reroutes - Lift Station No. 4 Force Main	-	-	-	1,400,000	1,400,000
WW64	WW Pump	South to North Wastewater Reroutes - Lift Station No. 9 Upgrade and Valve Reconfiguration	-	-	-	690,000	690,000
WW65	WW Pump	South to North Wastewater Reroutes - Lift Station No. 20, 22, and 27 Valve Reconfiguration	-	-	-	240,000	240,000
WW66	WW Pump	South to North Wastewater Reroutes - Lift Station No. 33 and Force Main Upgrade	-	-	-	2,950,000	2,950,000
WW67	WW Pump	SWWTP Parking Lot Addition	-	-	-	30,000	30,000
<b>Total for Dept 3230</b>			<b>486,064</b>	<b>3,375,500</b>	<b>3,861,564</b>	<b>19,983,500</b>	<b>23,845,064</b>
<b>DEPARTMENT 3310 - W/WW ENGINEERING</b>							
WW77	WW Coll	Estimated carryover project amount	232,202	-	232,202	-	232,202
WW78	WW Pump	Old Port Isabel Road 20" Force Main Rehabilitation Project	-	-	-	2,748,957	2,748,957
WW69	WW Coll	FM 511-802 Colonia Wastewater Improvements Project (FY 2016 carryover balance)	68,080	-	68,080	-	68,080
WW79	WW Coll	Vapor Phase Odor Control Design, Bidding & Construction Services - Phase 1 (FY 2016 carryover balance)	2,189,830	-	2,189,830	-	2,189,830
WW80	WW Coll	Vapor Phase Odor Control Design, Bidding & Construction Services - Phase 2	-	2,550,000	2,550,000	-	2,550,000
WW82	WW Coll	Lift Station Upgrades - Project 51 A	-	-	-	2,959,000	2,959,000
WW83	WW Coll	Lift Station Upgrades - Project 51 B	-	-	-	2,600,000	2,600,000
WW74	WW Coll	North Street - COB and Utility Improvements	-	248,697	248,697	-	248,697
WW75	WW Coll	Gazelle Street - COB and Utility Improvements	-	259,740	259,740	-	259,740
WW76	WW Coll	Las Palmas first time sewer collection project	-	572,134	572,134	-	572,134
WW71	WW Coll	North and South Colonias Project Design	-	225,202	225,202	-	225,202
<b>Total for Dept 3310</b>			<b>2,490,112</b>	<b>3,855,773</b>	<b>6,345,885</b>	<b>8,307,957</b>	<b>14,653,842</b>
<b>ESTIMATED OVERALL TOTAL - WASTEWATER</b>			<b>\$ 3,766,376</b>	<b>\$ 8,543,873</b>	<b>\$ 12,310,249</b>	<b>\$ 33,652,777</b>	<b>\$ 45,963,026</b>
<b>ESTIMATED PROJECT TOTAL</b>			<b>5,710,447</b>	<b>15,445,800</b>	<b>21,156,247</b>	<b>77,601,330</b>	<b>98,757,577</b>
<b>COMMERCIAL PAPER FUNDING BUDGET - INTERNAL:</b>			<b>\$ 5,710,447</b>	<b>\$ 15,445,800</b>	<b>\$ 21,156,247</b>	<b>\$ 77,601,330</b>	<b>\$ 98,757,577</b>
<b>DEPARTMENT 1110 - GENERAL MANAGER</b>							
G1	Gen. Admin.	An annex Administration Building, a new Service Center (FM 511) and remodeling of the existing Administration Building	-	1,000,000	1,000,000	17,000,000	18,000,000
<b>Total for Dept 1110</b>			<b>-</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>17,000,000</b>	<b>18,000,000</b>
<b>COMMERCIAL PAPER FUNDING BUDGETS - FACILITIES TOTAL</b>			<b>\$ -</b>	<b>\$ 1,000,000</b>	<b>\$ 1,000,000</b>	<b>\$ 17,000,000</b>	<b>\$ 18,000,000</b>

**CAPITAL BUDGET SUMMARY**  
**Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued**

Project Ref. No.	UTILITY FUNCTION	DESCRIPTION	APPROVED FY 2016 CARRYOVER	APPROVED FISCAL YEAR 2017	SUBTOTAL	APPROVED FY 2018-2021	TOTAL
<b>TENASKA BROWNSVILLE GENERATION STATION PROJECTS</b>							
<b>DEPARTMENT 2410 - ELECTRIC ENGINEERING</b>							
E17	Elec Trans	345KV Transmission Line from Tenaska to Loma Alta Substation (Construction Phase)	-	-	-	21,427,392	21,427,392
<b>Total for Dept 2410</b>			-	-	-	<b>21,427,392</b>	<b>21,427,392</b>
<b>WASTEWATER PROJECTS</b>							
<b>DEPARTMENT 4310 - OPERATIONAL SUPPORT SERVICES</b>							
WW86	WW Coll	Proposed Wastewater Effluent Reuse Line - Engineering and Feasibility Services (Construction Phase)	-	-	-	8,663,366	8,663,366
WW87	WW Coll	Proposed Industrial Wastewater Transportation Service - Engineering and Feasibility Services (Construction Phase)	-	-	-	4,909,242	4,909,242
<b>Total for Dept 4310</b>			-	-	-	<b>13,572,608</b>	<b>13,572,608</b>
<b>COMMERCIAL PAPER FUNDING BUDGET- TENASKA TOTAL</b>			<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 35,000,000</b>	<b>\$ 35,000,000</b>
<b>TOTAL COMMERCIAL PAPER FUNDING BUDGETS</b>			<b>\$ 5,710,447</b>	<b>\$ 16,445,800</b>	<b>\$ 22,156,247</b>	<b>\$ 129,601,330</b>	<b>\$ 151,757,577</b>

**CAPITAL BUDGET SUMMARY**  
**Grants Proceeds Projects (Fund 200)**

Project Ref. No.	UTILITY FUNCTION	DESCRIPTION	APPROVED FY 2016 CARRYOVER	APPROVED FISCAL YEAR 2017	SUBTOTAL	APPROVED FY 2018-2021	TOTAL
<b>WASTEWATER PROJECTS</b>							
<b>DEPARTMENT 3310 - W/WW ENGINEERING</b>							
WW84	WW Coll	Villanueva Colonia Wastewater Improvements Project (FY 2016 carryover balance)	186,463	-	186,463	-	186,463
WW76	WW Coll	Las Palmas first time sewer collection project	-	480,000	480,000	-	480,000
WW85	WW Coll	BECC/NADBANK Home Connections in FM511/802 Colonias Project Area	-	3,000,000	3,000,000	700,000	3,700,000
<b>Total for Dept 3310</b>			<b>186,463</b>	<b>3,480,000</b>	<b>3,666,463</b>	<b>700,000</b>	<b>4,366,463</b>
<b>ESTIMATED PROJECT TOTAL - WASTEWATER</b>			<b>\$ 186,463</b>	<b>\$ 3,480,000</b>	<b>\$ 3,666,463</b>	<b>\$ 700,000</b>	<b>\$ 4,366,463</b>
<b>OVERALL TOTAL GRANTS BUDGET:</b>			<b>\$ 186,463</b>	<b>\$ 3,480,000</b>	<b>\$ 3,666,463</b>	<b>\$ 700,000</b>	<b>\$ 4,366,463</b>

**Summary Expenditure Report  
For All Carryover Projects – FY 2016  
Improvement Fund (Fund 400)**

	FY 2016 BEGINNING BALANCE	FY 2016 ENDING BALANCE	DEFERRED BUDGET
GENERAL & ADMINISTRATIVE	\$ 5,452,778	\$ 3,264,621	\$ -
ELECTRIC (less Tenaska)	10,917,133	5,723,884	-
WATER (less grant projects)	1,172,639	212,644	-
WASTEWATER (less Tenaska and grant proj.)	3,095,613	1,255,985	69,296
WATER & WASTEWATER	172,352	89,736	-
<b>CARRYOVER WORK ORDER BUDGET TOTAL</b>	<b>\$ 20,810,515</b>	<b>\$ 10,546,870</b>	<b>\$ 69,296</b>
<b>APPROVED CARRYOVER WORK ORDER BUDGET TOTAL:</b>			<b>\$ 10,616,166</b>
GENERATING STATION (EG3848)	375,675	243,204	-
GAS TRANSMISSION LINE (EG3849)	-	-	-
CROSS VALLEY NATURAL GAS PIPELINE (EG3926)	4,919,408	4,342,324	-
345KV TRANSMISSION LINE (ET3886)	473,535	140,197	-
WASTEWATER EFFLUENT REUSE LINE (SA3846)	1,665,898	1,461,363	-
INDUSTRIAL WASTEWATER TRANSPORTATION (SA3862)	281,897	259,868	-
<b>CARRYOVER TENASKA PROJECTS TOTAL - LOCAL CONTRIBUTIONS</b>	<b>\$ 7,716,413</b>	<b>\$ 6,446,956</b>	<b>\$ -</b>
<b>APPROVED CARRYOVER TENASKA PROJECTS - LOCAL CONTRIBUTIONS TOTAL:</b>			<b>\$ 6,446,956</b>
WATER (CDAM)	-	-	-
WASTEWATER (SC9228, SC9265-6, SC9272)	2,190,056	870,417	-
<b>CARRYOVER GRANT PROJECTS TOTAL - LOCAL CONTRIBUTIONS</b>	<b>\$ 2,190,056</b>	<b>\$ 870,417</b>	<b>\$ -</b>
<b>APPROVED CARRYOVER GRANT PROJECTS - LOCAL CONTRIBUTIONS TOTAL:</b>			<b>\$ 870,417</b>
<b>NET BUDGET CHANGES SINCE 06/30/16:</b>			<b>2,320,305</b>
<b>APPROVED CARRYOVER CAPITAL PROJECT BUDGET TOTAL:</b>			<b>\$ 20,253,844</b>
<b>APPROVED CARRYOVER CAPITAL EQUIPMENT BUDGET TOTAL:</b>			<b>1,047,065</b>
<b>APPROVED CARRYOVER IMPROVEMENT FUND - CIP FUNDING TOTAL:</b>			<b>\$ 21,300,909</b>

**Capital Project Listing – FY 2016**  
**For All Carryover General & Administrative Utility Projects**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2016 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2017+ BUDGET
06/26/13	33130 amended	GA3490	PUBTOP GIS SYSTEM UPGRADE	\$ 98,146	\$ -	\$ -
12/17/10	15858 amended	GA3553	CUSTOMER SERVICE PAYMENT KIOSKS	82,226	82,226	-
04/28/10	24688	GA3714	NETWORK SECURITY PROJECT, INCLUDING NETWORK ACCESS & E-MAIL ENCRYPTION	15,798	-	-
10/15/13	41594	GA3883	WI-FI IN BPUB BUILDINGS	5,923	2,086	-
01/21/14	43657	GA3892	CIS/CAYENTA UPGRADE	9,380	-	-
03/25/14	45931	GA3901	MOBILE TIME ENTRY FOR THE MOBILE WORK FORCE	80,742	77,495	-
06/25/15	47355 amended	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	130,000	-
11/24/14	54271	GA3926	NETWORK LAYER 3 CONVERSION AT THE POWER PLANT & SRWA BUILDINGS	16,605	-	-
02/06/15	57084	GA3941	ARCHIVE AND APPLICATION FOR E-MAIL ENTERPRISE ARCMail APPLIANCE (E-MAIL LOG)	50,000	50,000	-
02/06/15	57086	GA3942	AUDITING SOFTWARE FOR USER LOGINS	35,149	29,725	-
06/25/15	62140	GA3953	BLADE SERVERS FOR THE ADMINISTRATION BUILDING	99,496	399	-
10/13/15	65807	GA3964	CAYENTA BLADE AND DISKS FOR CUSTOMER INFORMATION SYSTEM	30,300	-	-
09/30/15	n/a	GA3965	ADMINISTRATION BUILDING ANNEX - DESIGN PHASE ARCHITECT/ENGINEERING DESIGN SERVICES	164,000 1,597,537	146,844 1,597,537	- -
01/25/16	68332	GA3966	FM 511 FACILITIES RELOCATION PROJECT LAND PURCHASE ARCHITECT/ENGINEERING DESIGN SERVICES	1,760,545 1,116,931	- 1,116,931	- -
12/02/15	68203 67115	GA3970	MOBILE MINI CONTAINER FOR CAR WASH AREA	10,000	-	-
02/16/16	69428	GA3982	WIRELESS CONTROLLER - WI-FI	40,000	9,732	-
04/21/16	72768	GA3992	DELL MD STORAGE	60,000	21,646	-
04/21/16	72772	GA3993	CISCO POWER PLANT CHASSIS	50,000	-	-
CARRYOVER GENERAL & ADMINISTRATIVE PROJECT TOTAL				\$ 5,452,778	\$ 3,264,621	\$ -
NET BUDGET CHANGES SINCE 6/30/16:						(75,099)
APPROVED CARRYOVER GENERAL & ADMINISTRATIVE PROJECT TOTAL:						\$ <u>3,189,522</u>

**Capital Project Listing – FY 2016  
For All Carryover Electric Utility Projects  
Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2016 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2017+ BUDGET
01/10/13	34764	ED2879	1355 FM 511 NORTH BROWNSVILLE KICKBALL FACILITY	\$ 1,027	\$ 1,027	\$ -
02/17/16	69462	ED2997	520 E LEVEE ST	584	584	-
06/24/16	75512	FD2011	1304 E MADISON ST	769	369	-
06/24/16	75543	FD2013	901 WILDROSE LN	203	-	-
03/29/16	71466	FD2014	1000 CAPTAIN DONALD FOUST RD AT THE PORT OF BROWNSVILLE	187,783	180,436	-
08/09/16	77557	FD2015	305 W ELIZABETH ST	772	275	-
09/09/16	78900	FD2016	1234 MCDAVITT BLVD	505	303	-
09/07/16	78757	FD2017	109 OLD MILITARY HWY	534	289	-
09/13/16	79079	FD2018	96 TANGELO ST	769	769	-
09/22/16	79348	FD2019	1525 ACACIA LAKE DR	739	333	-
09/29/16	79989	FD2020	1615 RINGGOLD ST	494	494	-
09/01/16	78606	FD2021	2615 E PRICE RD	15,963	15,963	-
			CARRYOVER SECURITY LIGHT PROJECT TOTAL	\$ 210,141	\$ 200,843	\$ -
03/09/15	58436	EA3947	FIBER OPTIC INSTALLATION ON ALTON GLOOR BLVD BETWEEN US 77 AND PABLO KISEL BLVD	-	-	-
12/03/15	67135	EA3969	SCADA BUILDING RENOVATION	22,540	-	-
06/25/15	62152	EA3977	FIBER OPTIC EXTENSION FROM 6TH STREET TO THE SPORTS PARK DOME	163,815	58,468	-
02/12/16	69387	EA3985	2477 E PRICE RD TO BISD BUILDING FIBER OPTIC INSTALLATION	11,729	3,569	-
02/17/16	69454	EA3986	1900 PRICE RD TO BISD TECHNOLOGY SERVICES BUILDING; FIBER OPTIC INSTALLATION	6,697	4,518	-
08/28/15	64483	EA3987	SOUTHMOST PUBLIC LIBRARY TO SOUTHMOST POLICE DEPARTMENT; FIBER OPTIC INSTALLATION	21,937	5,533	-
09/01/15	64616	EA3988	COB SCADA BULDING TO MILITARY HIGHWAY POLICE DEPARTMENT; FIBER OPTIC INSTALLATION	14,082	-	-
04/08/16	72024	EA3996	FIBER OPTIC AT MARKET SQUARE	2,056	2,056	-
04/28/16	73126	EA3997	FIBER OPTIC AT 6745 PAREDES LINE RD	4,003	91	-
02/08/16	69005	EA1000	PUBLIC WORKS DEPARTMENT TO SOUTHMOST LIBRARY; FIBER OPTIC INSTALLATION	77,410	35,465	-
04/28/16	73129	EA1001	495 AMELIA EARHART DR FIBER OPTIC WORK AT AIRPORT	357	-	-
06/21/16	75006	EA1002	524 E LOS EBANOS	1,479	1,094	-
05/05/16	73466	EA1003	CLARA BENNETT RD AND THOMPSON DR RETAMA PARK ROAD IMPROVEMENT	2,226	0	-
09/07/16	78526 amended	EA1007	WATERPORT SUBSTATION FENCE PROJECT	37,937	36,878	-
09/23/16	79616	EA1014	CONTINUOUS EMISSIONS MONITOR SYSTEM GAS ANALYZER SYSTEM FOR UNIT NO. 9 AT SILAS RAY POWER PLANT	26,235	26,235	-
			CARRYOVER ADMINISTRATION CONSTRUCTION PROJECT TOTAL:	\$ 392,505	\$ 173,907	\$ -

**Capital Project Listing – FY 2016**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2016 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2017+ BUDGET
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	15,396	15,396	-
08/26/09	22598	ED3669	VIDEO SURVEILLANCE INFRASTRUCTURE AT THE SUBSTATIONS AND SCADA BUILDING	75,545	75,545	-
05/31/12	32058	ED3822	UNIVERSITY DRIVE LIGHT POLES	134,064	134,064	-
07/19/12	32555	ED3827	FM 1421 WATER WELLS FIBER OPTIC EXTENSION	-	-	-
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	-
06/04/13	33747 amended	ED3844	CAPACITOR BANK PROJECT FOR FM 802 SUBSTATION FEEDERS; VARIOUS LOCATIONS	-	-	-
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)	-	-	-
02/09/15	57201	ED3946	TRANSFORMERS FOR WATER PLANT NO. 1 AND II (FILTER REHABILITATION PROJECT)	-	-	-



**Capital Project Listing – FY 2016**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2016 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2017+ BUDGET
08/03/15	63567	ED3956	FILTER PLANT SUBSTATION GANG OPERATED OVERHEAD SWITCHES	15,950	15,950	-
02/12/15	57379	ED3958	LAND O'LAKES SUBDIVISION UNDERGROUND PRIMARY REPLACEMENT	768,230	15,149	-
07/02/15	62461	ED3962	3341 PABLO KISEL BLVD SUNSHINE PLAZA PHASE 2	56,531	31,373	-
03/09/16	70511	ED3980	ONE WEST UNIVERSITY BLVD (UTRGV)	675	675	-
08/13/13	39991	ED3981	DOWNTOWN MARKET SQUARE	236,453	236,453	-
03/17/16	70903	ED3990	101 ST JOSEPH DR OH TO URD CONVERSION AT ST JOSEPH ACADEMY	2,934	-	-
04/28/16	73169	ED3995	SRWA WATER WELL SITE GENERATORS WITH AUTOMATIC TRANSFER SWITCHES	174,855	81,325	-
08/03/16	77335	ED1005	RINGGOLD ROAD - WOODEN POLES	21,517	14,677	-
07/15/16	76504	ED1006	1000 CAPTAIN DONALD FOUST RD OH TO URD CONVERSION	105,879	105,169	-
N/A	N/A	N/A	ONE 15/20/25/28 MVA POWER TRANSFORMER	415,254	415,254	-
CARRYOVER DISTRIBUTION CONSTRUCTION PROJECT TOTAL: \$				2,296,658	\$ 1,414,405	\$ -
N/A	N/A	EG3047	OKLAUNION CAPITAL IMPROVEMENTS	1,838,110	-	-
07/25/07	15223	EG3542	UPS/BATTERY CHARGER REPLACEMENT SILAS RAY POWER PLANT	63,123	38,342	-
07/10/15	20395 amended	EG3610	NEW DISTRIBUTED CONTROL SYSTEM FOR THE POWER PLANT	-	-	-
10/23/13	34908 amended	EG3848	TENASKA BROWNSVILLE GENERATING STATION 200 MW OWNERSHIP INTEREST; LOCATED NORTH OF FM 511 AT OLD ALICE ROAD	375,675	243,204	-
03/16/15	35342 amended	EG3849	GAS TRANSMISSION LINE TO TENASKA BROWNSVILLE GENERATING STATION	-	-	-
N/A	N/A	N/A	ADDITIONAL FUNDS FOR TENASKA GENERATING STATION PROJECT	2,500,000	2,500,000	-
09/26/14	44869	EG3926	CROSS VALLEY NATURAL GAS PIPELINE	4,919,408	4,342,324	-
FY 2015 CARRYOVER GENERATION CONSTRUCTION PROJECT TOTAL: \$				9,696,315	\$ 7,123,870	\$ -
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	473,535	140,197	-
N/A	N/A	N/A	TRANSMISSION HIGH PRODUCTION LINE WASHER	690,000	690,000	-
CARRYOVER TRANSMISSION CONSTRUCTION PROJECT TOTAL: \$				1,175,627	\$ 842,289	\$ -
CARRYOVER CONSTRUCTION PROJECT TOTAL \$				13,561,104	\$ 9,554,471	\$ -

**Capital Project Listing – FY 2016**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2016 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2017+ BUDGET
10/08/09	22986	FD4002	FM 802 SUBSTATION PRIMARY CROSSING	1,739	1,739	-
12/09/10	26449	FD4078	6928 EAST HWY 48	-	-	-
03/27/12	31421	FD4186	ITECC WIND PROJECT	918	918	-
04/03/13	36377	FD4288	674 N CENTRAL AVENUE	-	-	-
10/09/13	41460	FD4293	591 CENTRAL AVENUE	3,581	3,581	-
12/13/13	42920	FD4308	1100 RUBEN M TORRES BLVD US MARSHAL SERVICE	513	513	-
12/20/13	43132	FD4312	684 CALDER LANE	-	-	-
03/25/14	45897	FD4326	5101 ALTON GLOOR BLVD PLAZA VISTA	937	937	-
05/27/14	47942	FD4331	PORT OF BROWNSVILLE - DOCK 16 OFF OF R.L. OSTOS RD	-	-	-
07/22/14	46680 amended	FD4332	4325 JAIME ZAPATA AVE BRAVE RIVER DUPLEX	25,681	9,483	-
12/10/13	42819	FD4339	15801 RL OSTOS RD DEEP SOUTH TEXAS NEW FACILITY	-	-	-
09/17/14	51687	FD4351	6750 N EXPRESSWAY 77 UNDERGROUND SERVICE TO TOYOTA DEALERSHIP	-	-	-
09/24/14	51945	FD4352	929 MEXICO BLVD - CAR LOT	-	-	-
06/16/14	48670	FD4354	2644 OLD PORT ISABEL ROAD CALI TOWNHOMES	-	-	-
10/21/14	53048	FD4356	JOSE MARTI BLVD & LA PAZ CT TEMP CONNECTIONS FOR MAYORCA APARTMENTS	3,239	3,239	-
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	9,789	9,432	-
02/12/15	57411	FD4375	904 BOCA CHICA BLVD	217	217	-
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	1,537	3,179	-
04/28/15	60270	FD4390	327 COUCH RD TEMP SERVICE FOR N TERRACE APTS	315	315	-

**Capital Project Listing – FY 2016**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2016 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2017+ BUDGET
12/04/14	54683	FD4395	OLD PORT ISABEL RD & LAS PALMAS CIR LAS PALMAS TOWNHOMES	11,704	-	-
06/17/15	61921	FD4396	2550 WESLACO RD MONTELEONE CONDOMINIUMS	18,701	4,363	-
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	7,713	7,713	-
07/23/15	63281	FD4404	2644 OLD PORT ISABEL RD CALI TOWNHOMES PHASE II	45,856	-	-
07/23/15	63291	FD4405	21301 R.L. OSTOS FORTUNE FERROUS INC	5,776	-	-
07/21/15	63210	FD4408	1350 E ELIZABETH ST POLLO PALENQUE	-	-	-
08/26/15	64375	FD4412	2073 RUBEN TORRES BLVD	1,452	-	-
09/10/15	64952	FD4417	4540 SOUTHMOST BLVD	5,480	3,052	-
08/05/14	50205	FD4418	MELINDA DR & EXP 77/83 FOR SHOPPING CENTER	32,056	18,346	-
08/11/15	63803	FD4420	1655 E RUBEN M TORRES BLVD	4,289	-	-
09/18/15	65208	FD4422	44 WESTERN BLVD	1,892	1,892	-
N/A	N/A	ED9001	NEW CONNECTIONS - ELECTRIC	164,392	2,298	-
09/10/15	64948	FD4425	3855 INTERNATIONAL BLVD INTERNATIONAL VILLAGE PLAZA	4,546	-	-
09/29/15	65527	FD4428	1401 YARD ROAD	16,959	4,773	-
11/12/15	66636	FD4431	3600 RUBEN M TORRES BLVD	1,564	-	-
11/23/15	66884	FD4433	4201 CAPT DONALD L FOUST RD	1,703	-	-
11/04/15	66504	FD4434	2436 PABLO KISEL BLVD STAPLES	1,988	1,611	-
07/02/15	62460	FD4435	2155 E RUBEN TORRES BLVD 802 PLAZA	39,136	8,842	-
12/15/15	67321	FD4438	3510 OLD PORT ISABEL ROAD CASCADE PARK	6,258	1,508	-
06/03/15	61466	FD4439	544 WILDROSE LN	5,929	-	-
10/16/15	65933	FD4440	DOCK 15 OFF OF R.L. OSTOS RD	20,212	2,960	-
01/13/16	68084	FD4443	8155 PADRE ISLAND HWY	1,374	842	-

**Capital Project Listing – FY 2016**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2016 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2017+ BUDGET
03/02/16	70122	FD4451	3325 BOCA CHICA BLVD RAISING CANES	7,828	-	-
03/29/16	68547 amended	FD4452	450 E ALTON GLOOR BLVD WINDWOOD PLAZA	38,342	-	-
08/12/15	63839	FD4453	174 N CENTRAL AVE, BUILDING C	2,491	-	-
03/04/16	70267	FD4454	115 REINA ESTHER DR	-	-	-
12/24/15	67529	FD4459	543 E MORRISON RD - ULTA	11,540	6,082	-
03/02/15	58149	FD4460	4157 N EXPREWAY 77/83 POLLO PALENQUE	32,318	14,188	-
03/03/16	70172	FD4464	5126 KENSINGTON LN	4,540	-	-
04/29/16	72396 amended	FD4466	1910 ANEI CIRCLE	37,201	-	-
03/17/16	70906	FD4467	RUBEN TORRES BLVD AND HUDSON BLVD MURPHY USA	6,003	-	-
04/20/16	72696	FD4469	5422 WISHINGWELL PL	4,559	3,647	-
02/19/16	69578	FD4470	912 WILD ROSE LANE APARTMENT COMPLEX	18,051	2,478	-
05/26/16	74545	FD4474	1355 N CENTRAL AVENUE	7,986	3,445	-
06/06/16	74896	FD4475	1024 E 24TH STREET	3,194	1,707	-
06/28/16	75662	FD4478	2940 BOCA CHICA BLVD TRAMPOLINE PARK	1,392	953	-
03/02/16	70168	FD4480	3000 W ALTON GLOOR BLVD PITAYA PLAZA	14,638	7,147	-
05/13/16	73887	FD4484	PAREDES LINE RD AND EVENT CENTER BLVD	343	343	-
09/23/15	65352	FD4485	4340 JAIME ZAPATA RED OAK APARTMENT ADDITIONS	8,872	4,254	-
04/22/16	72821	FD4486	200 BLOCK E MORRISON RD RAISING CANE'S	17,677	3,879	-
07/15/16	76501	FD4487	704 PAREDES LINE RD MEDICAL PLAZA	11,248	3,177	-
06/15/16	75302 amended	FD4488	3010 JCS INDUSTRIAL DR	12,152	12,152	-
04/12/16	72184	FD4489	2912 BOCA CHICA BLVD - APPLEBEE'S	10,657	6	-
04/18/16	72548	FD4490	1500 N EXPRESSWAY CARDENAS MOTORS	11,833	11,833	-
09/26/16	78346 amended	FD4491	1910 ANEI CIRCLE	32,675	32,675	-
09/19/16	79399	FD4492	115 GALONSKY ST	2,970	2,970	-
CARRYOVER NEW CONNECTION PROJECT TOTAL				\$ 748,474	\$ 205,208	\$ -

**Capital Project Listing – FY 2016**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2016 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2017+ BUDGET
04/16/14	46719	ED5393	HERITAGE PLACE SUBDIVISION, SECTION VII, PHASE III; ON HANOVER PL, STERLING ST, CAMDEN PL & BEACON CT OFF OF MORRISON ROAD	-	-	-
05/09/14	47440	ED5394	WESTLAKE SUBDIVISION PHASE II ON DUSK DR, WESTLAKE AVE AND LA SOLEDAD CT	7,994	-	-
03/24/15	59050	ED5400	NORTH TERRACE DEVELOPMENT OFF OF COUCH ROAD AND SWALLOW STREET	17,318	12,548	-
10/29/15	66304	ED5401	SIMMONS CROSSING SUBDIVISION OFF OF W MORRISON RD	185,903	-	-
03/16/16	70844	ED5402	3777 N EXPRESSWAY 77/83 LAS PALMAS DEVELOPMENT	119,631	106,658	-
06/21/16	75395	ED5403	CROSS COUNTRY TRAILS SECTION V OFF OF BUCKEYE CT AND SIDEKICK AVE	51,153	15,316	-
06/22/16	75443	ED5404	JAYSA TOWN HOUSES COMPLEX - PHASE 1 OFF OF EL PASO ROAD	30,712	4,671	-
05/11/16	73770	ED5405	THE PLANTATION SUBDIVISION PHASE II OFF OF VIVIAN DR AND ROBINDALE ROAD	93,859	90,196	-
CARRYOVER SUBDIVISION PROJECT TOTAL				\$ 506,570	\$ 229,389	\$ -
04/25/13	36810	ED7615	SAM PERL BLVD	236	236	-
06/11/13	37968	ED7616	MORRISON RD AND WALKING TRAIL	-	-	-
01/23/15	56368	ED7654	HUDSON BLVD - WALMART	1,114	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	241,861	-	-
06/11/15	61711	ED7671	4775 AUSTIN RD PORTWAY ACRES PARK	23,337	9,366	-
10/26/15	66201	ED7676	E ALTON GLOOR BLVD	1,959	827	-
10/23/15	66145	ED7678	IMPALA DR	3,267	1,521	-
12/22/15	67498	ED7682	65 W ARMSTRONG CT	153	-	-
12/28/15	67547	ED7685	ROBINDALE ROAD	3,595	-	-
03/24/16	71335	ED7688	5005 JANE AVE	938	-	-
02/12/16	69384	ED7689	534 ROSITA ST	806	806	-
02/17/16	69466	ED7690	DREAMWAY DR	8,850	-	-
03/09/16	70497	ED7691	GALVESTON DR	685	278	-

**Capital Project Listing – FY 2016**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2016 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2017+ BUDGET
03/09/16	70506	ED7692	1647 LOS EBANOS BLVD	884	-	-
05/09/16	73655	ED7693	714 TAYLOR STREET	458	338	-
05/24/16	74317	ED7694	LAKE VIEW DRIVE AT WESTLAKE SUBDIVISION	2,475	689	-
05/03/16	73315	ED7695	E 19TH STREET BETWEEN HARDING AND WILSON STREET	2,493	2,493	-
CARRYOVER STREET LIGHT PROJECT TOTAL				\$ 293,115	\$ 17,522	\$ -
01/13/10	23798	FD6261	3201 LIMA STREET METER CONSOLIDATION AT CASTANEDA ELEMENTARY	1,266	1,266	-
12/07/10	26423	FD6266	METERS FOR STELL & FAULK MIDDLE SCHOOL AND RUSSELL ELEMENTARY	-	-	-
03/24/11	24052	FD6275	7 ORANGE STREET METER CONSOLIDATION PROJECT AT LINCOLN PARK SCHOOL	-	-	-
02/07/12	30948	FD6359	3555 E 14TH STREET RICH SEA PAK TRANSFORMER REPLACEMENT	68,268	68,268	-
06/01/12	32071	FD6372	708 PAREDES LINE RD TIME WARNER CABLE	1,111	1,111	-
05/10/12	31844	FD6380	3029 LAZY ACRES	1,825	1,825	-
07/03/12	32403	FD6382	205 CALLE AMISTOSA #115	347	347	-
02/11/13	35362	FD6406	341 JOSE MARTI AND 4200 BOCA CHICA	-	-	-
01/23/13	34986	FD6412	5304 FM 802	-	-	-
03/18/13	36120	FD6428	663 HILLCREST CT	3,581	3,581	-
04/05/13	36487	FD6435	OPI RD AND LINDA VISTA	4,351	4,351	-
03/27/13	36267	FD6443	183 E COWAN TERRACE	2,121	2,121	-
03/28/16	46270 amended	FD6492	4656 TOWERWOOD DR	30,736	-	-
06/09/14	48462	FD6501	1940 WESTMINISTER DR	2,419	2,419	-
02/26/14	44789	FD6504	18501 RL OSTOS RD INTERNATIONAL SHIPBREAKING	-	-	-
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	25,627	19,297	-
11/14/14	53955	FD6526	20000 SH 48 1500 KVA XFMR AT AMFELS	17,285	17,285	-

**Capital Project Listing – FY 2016**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2016 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2017+ BUDGET
02/12/15	57380	FD6529	1455 ROBINHOOD DR	1,612	1,612	-
N/A	N/A	ED6000	EMERGENCY TROUBLE CALL Activity for use when work order is not available at time of emergency.	969,284	-	-
10/01/15	65575	FD6549	225 PEARL DR	577	577	-
07/01/15	62439	FD6550	1005 N ANCHOR RD AT THE PORT OF BROWNSVILLE	803	-	-
01/29/15	56612	FD6553	6280 SOUTHMOST BLVD AIKEN ELEMENTARY SCHOOL	8,404	2,964	-
10/28/15	66288	FD6558	902 CHEMICAL RD TRANSMONTAIGNE	1,075	913	-
11/30/15	67005	FD6559	EMILIA LN & EXPRESSWAY 77	-	-	-
02/14/13	35510	FD6563	20000 HIGHWAY 48 TRANSFORMER BANKS AT KEPPEL AMFELS	55,087	19,681	-
02/09/16	69108	FD6566	926 W JEFFERSON ST VALLE VILLARREAL DENTAL	649	563	-
02/02/16	68746	FD6568	CORNER OF KENNEDY AVENUE AND CENTER DR	2,629	2,629	-
02/03/16	68781	FD6569	136 GARDEN ST	2,660	2,660	-
02/04/16	68881	FD6570	318 SOUTH DR	988	988	-
02/04/16	68930	FD6571	404 MILITARY HWY	2,508	2,508	-
02/04/16	68931	FD6572	90 EAST DRIVE	5,646	5,646	-
02/18/16	69519	FD6573	383 AVENIDA ESTRELLA	2,338	2,338	-
02/04/16	68913	FD6574	364 SOUTH DR	2,168	2,168	-
02/05/16	68942	FD6575	354 VIKING LN	2,889	2,889	-
02/18/16	69551	FD6576	1580 FISHERMAN'S PLACE RD ACROSS STREET	1,046	1,046	-
08/25/14	50937	FD6578	E PRICE RD & EAGLE DR	1,460	541	-
04/13/16	72263	FD6579	304 E FRONTON ST	2,737	2,495	-
04/20/16	72689	FD6580	6204 PAREDES LINE RD	1,266	-	-
05/09/16	73666	FD6581	2865 SOUTHMOST BLVD	763	365	-
04/29/16	73226	FD6582	4104 MEAD LAKE CT	1,777	1,686	-
03/28/16	71353	FD6583	1401 YARD ROAD	22,929	5,455	-
05/10/16	73757	FD6584	1250 FM 802	1,446	1,446	-

**Capital Project Listing – FY 2016**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2016 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2017+ BUDGET
04/26/16	73008	FD6585	1544 PALM BLVD	6,659	6,659	-
05/16/16	73958	FD6586	1645 W PRICE RD	6,721	6,721	-
05/04/16	73378	FD6587	1601 CENTRAL BLVD	4,205	4,205	-
06/07/16	74904	FD6588	9155 RL OSTOS RD	3,010	3,010	-
06/02/16	74759	FD6589	6700 PAREDES LINE RD	52,419	3,911	-
06/06/16	74830	FD6590	780 CENTRAL BLVD VALLEY DENTAL	825	-	-
06/14/16	75221	FD6591	54 HOLLY LN	48	-	-
07/26/16	76953	FD6593	58 HORTENCIA BLVD	2,447	880	-
08/15/16	77811	FD6594	14301 R.L. OSTOS RD	19,171	19,171	-
06/30/16	75930	FD6595	400 R.L. OSTOS RD DIX SHIPPING	6,789	2,888	-
08/29/16	78441	FD6596	815 PAREDES LINE RD	2,469	1,783	-
08/29/16	78438	FD6597	227 CREEKBEND DR	573	573	-
09/01/16	78607	FD6598	1201 E WASHINGTON ST	766	766	-
CARRYOVER TROUBLE CALL PROJECT TOTAL				\$ <u>1,366,347</u>	\$ <u>242,177</u>	\$ <u>-</u>
OVERALL CARRYOVER ELECTRIC UTILITY PROJECT TOTAL				\$ <u>16,685,751</u>	\$ <u>10,449,609</u>	\$ <u>-</u>
NET BUDGET CHANGES SINCE 6/30/16:						1,180,197
APPROVED CARRYOVER ELECTRIC UTILITY PROJECT TOTAL:				\$ <u>11,629,806</u>		



**Capital Project Listing – FY 2016  
For All Carryover Water Utility Projects  
Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2016 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2017+ BUDGET
N/A	N/A	CDAM	CHANNEL DAM	\$ -	\$ -	\$ -
03/05/09	20571	WS3612	PRETREATMENT AND WELL FIELD PUMPING	-	-	-
06/16/11	28143	WD3765	8" WATER MAIN ALONG ALTON GLOOR INTERSECTION OF LAREDO RD AND SCAEFER LANE	13,386	13,386	-
05/25/16	28551 amended	WT3772	FILTER SYSTEM REHABILITATION PROJECT AT WATER PLANT I AND II	90,340	-	-
09/18/12	32867 amended	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	-
06/24/14	48851	WA3913	JARDIN TERRACE SUBDIVISION APPRAISAL OF LOTS	18	18	-
05/24/16	74389	WA3998	2015 WWW MASTER PLAN & SYSTEM MODELS SUPPLEMENT AND ELEVATED WATER STORAGE TANK EVALUATION	49,360	6,986	-
09/14/16	79158	WD1010	US HWY 281 WATER LINE ADJUSTMENT OFF OF CARMEN AVE AT THE STREET ENTRANCE TO VETERANS MEMORIAL HIGH SCHOOL	100,817	78,685	-
09/28/16	79851	WT1015	CAUSTIC SODA FEED IMPROVEMENTS AT WATER PLANT NO. 2	49,731	49,731	-
CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ 359,269	\$ 204,423	\$ -
02/24/16	69790	WD5328	RED OAK APARTMENTS 4340 JAIME ZAPATA AVE DEVELOPER INSTALLED IMPROVEMENTS	6,083	5,476	-
04/12/16	72216	WD5331	PENNZOIL PIT STOP SUBDIVISION OFF OF ALTON GLOOR BLVD AND RUSTIC MANOR DR DEVELOPER INSTALLED IMPROVEMENTS	4,072	2,745	-
CARRYOVER SUBDIVISION PROJECT TOTAL				\$ 10,155	\$ 8,221	\$ -
04/03/13	30300 amended	WD6075	W MADISON ST WATERLINE REPLACEMENT FROM BOCA CHICA BLVD TO LAKESIDE BLVD	-	-	-
10/15/12	32525 amended	WD6078	JEFFERSON STREET WATER LINE REPLACEMENT FROM CENTRAL BLVD TO PALM BLVD	-	-	-
06/27/16	44331 amended	WD6087	IMPALA COURT WATERLINE RELOCATION PROJECT	153,081	-	-
CARRYOVER RELOCATION/REPLACEMENT OF LINES PROJECT TOTAL				\$ 153,081	\$ -	\$ -
N/A	N/A	WD9001	NEW CONNECTIONS-NO PROJ # ASSIGNED	650,134	-	-
CARRYOVER NEW CONNECTION PROJECT TOTAL				\$ 650,134	\$ -	\$ -
OVERALL CARRYOVER WATER UTILITY PROJECT TOTAL				\$ 1,172,639	\$ 212,644	\$ -
NET BUDGET CHANGES SINCE 6/30/16:						117,779
APPROVED CARRYOVER WATER UTILITY PROJECT TOTAL:						\$ 330,423

**Capital Project Listing – FY 2016  
For All Carryover Wastewater Utility Projects  
Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2016 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2017+ BUDGET
01/26/16	34934 amended	SA3846	WASTEWATER EFFLUENT REUSE LINE TO THE PROPOSED ELECTRIC GENERATION STATION	\$ 1,665,898	\$ 1,461,363	\$ -
01/26/16	37560 amended	SA3862	TENASKA INDUSTRIAL WASTEWATER TRANSPORTA1 SERVICE AGREEMENT	281,897	259,868	-
01/04/16	40867 amended	SP3882	REHABILITATION OF LIFT STATION 7, 18 AND 68	1,751	-	-
07/20/16	47096 amended	ST3911	ODOR CONTROL MASTER PLAN IMPLEMENTATION ENGINEERING FOR SWWTP AND 16 LIFT STATIONS THROUGHOUT BROWNSVILLE	1,384,827	-	-
05/28/15	55962 amended	SA3938	NWWTP FENCE REPLACEMENT	-	-	-
08/29/16	64035 amended	ST3959	NWWTP CLARIFIER LAUNDER COVERS DESIGN AND INSTALLATION	208,047	164,398	-
08/19/15	64036	ST3960	NWWTP UV STRUCTURE CANOPY AND MONORAIL CRANE - ENGINEERING PHASE	64,548	37,366	-
08/18/16	65505 amended	SC3961	LAS PALMAS MOBILE HOME PARK	82,511	34,920	-
N/A	N/A	N/A	LIFT STATION SHOP RENOVATION	250,000	250,000	-
CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ 3,939,479	\$ 2,207,915	\$ -
09/06/11	29128	SC5261	BISD EARLY COLLEGE HIGH SCHOOL ON RINGGOLD ROAD DEVELOPER INSTALLED IMPROVEMENTS	-	-	-
04/12/12	31539	SC5275	BROWNSVILLE HEB #5 SUBDIVISION ON PAREDES LINE ROAD DEVELOPER INSTALLED IMPROVEMENTS	-	-	-
03/17/16	70901	SC5324	SUNSHINE PLAZA PHASE II INTERSECTION OF GALENO STREET AND PABLO KISEL BLVD DEVELOPER INSTALLED IMPROVEMENTS	1,220	-	-
CARRYOVER SUBDIVISION PROJECT TOTAL				\$ 1,220	\$ -	\$ -
05/18/16	42044 amended	SP6083	LIFT STATION 45 REHABILITATION AT 2644 E PRICE RD	39,500	22,679	-
N/A	N/A	SC6000	EMERGENCY WW REPLACEMENT <small>Activity for use when work order not available at time of emergency.</small>	-	-	-
08/25/15	64256	SC6091	BROWNSVILLE MARKET SQUARE WASTEWATER UTILITY IMPROVEMENTS IN THE DOWNTOWN AREA	800,000	746,622	69,296
CARRYOVER RELOCATION/REPLACEMENT OF LINES PROJECT TOTAL				\$ 839,500	\$ 769,301	\$ 69,296

**Capital Project Listing – FY 2016**  
**For All Carryover Wastewater Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2016 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2017+ BUDGET
11/27/12 amended	14438 122701-01	SC9228	FM511/802 WASTEWATER COLONIA PROJECT VARIOUS AREAS AROUND FM511 & FM802; DESIGN PHASE	-	-	-
07/29/16	30301 amended	SC9265	SOUTH COLONIAS OF BROWNSVILLE CORONADO, COLONIA 21 SUBDIVISION, DOCKBERRY ESTATES, MILPA VERDE, AND PALOMA BLANCA	265,054	262,747	-
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	185,740	182,161	-
04/15/16	33849 amended	SC9272	FM 511-802 COLONIA AREAS CONSTRUCTION PHASE	1,739,261	425,509	-
N/A	N/A	SC9001	NEW CONNECTIONS-NO PROJ # ASSIGNED	263,208	-	-
03/10/16	70623	SC9277	3029 SOUTH BUCKINGHAM CT	-	-	-
CARRYOVER NEW CONNECTION PROJECT TOTAL				\$ 2,453,265	\$ 870,417	\$ -
OVERALL CARRYOVER WASTEWATER UTILITY PROJECT TOTAL				\$ 7,233,464	\$ 3,847,633	\$ 69,296
NET BUDGET CHANGES SINCE 6/30/16:						1,187,164
APPROVED CARRYOVER WASTEWATER UTILITY PROJECT TOTAL:						\$ 5,104,093

**Capital Project Listing – FY 2016**  
**For All Carryover Water & Wastewater Utility Projects**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2016 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2017+ BUDGET
CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ -	\$ -	\$ -
10/31/11	29868	WD5266	CITRUS GARDENS VILLAGE	-	-	-
	29869	SC5266	ON ROOSEVELT STREET DEVELOPER INSTALLED IMPROVEMENTS	-	-	-
01/15/13	34752	WD5283	THE PLANTATION SUBDIVISION PHASE II	9,897	-	-
01/09/13	34833	SC5283	ON ROBINDALE AND MAGALI CIRCLE DEVELOPER INSTALLED IMPROVEMENTS	3,086	-	-
08/20/13	40071	WD5292	LOS SABALES AT VICC	-	-	-
	40070	SC5292	OFF OF OLD HWY 77 AND INTERNATIONAL DRIVE DEVELOPER INSTALLED IMPROVEMENTS	-	-	-
10/08/15	65765	WD5326	LAS PALMAS - SIERRA GRANDE SUBDIVISION	5,090	4,303	-
	65767	SC5326	ALONG US 77/83 NORTH OF FM 802 DEVELOPER INSTALLED IMPROVEMENTS	5,714	-	-
10/12/15	65798	WD5327	WINDSOR SUBDIVISION	5,063	5,063	-
	65799	SC5327	3705 BOCA CHICA BLVD DEVELOPER INSTALLED IMPROVEMENTS	3,528	-	-
07/20/16	76707	WD5333	LAKESIDE VILLAGE SUBDIVISION	3,972	3,972	-
	76703	SC5333	INTERSECTION OF LAKESIDE BLVD AND W 14TH ST DEVELOPER INSTALLED IMPROVEMENTS	4,068	4,068	-
09/01/16	78604	WD5334	LAGO VISTA SUBDIVISION SECTION II, PHASE II	4,260	4,260	-
	78603	SC5334	OFF OF LAGO VISTA BLVD AND CARIBBEAN DR DEVELOPER INSTALLED IMPROVEMENTS	4,635	4,623	-
09/15/16	79170	WD5335	RIVER'S EDGE SUBDIVISION AT SANTANDER	4,552	4,552	-
	79171	SC5335	OFF OF LAREDO ROAD DEVELOPER INSTALLED IMPROVEMENTS	5,855	5,855	-
CARRYOVER SUBDIVISION PROJECT TOTAL				\$ 59,721	\$ 36,697	\$ -
08/08/11	28116	WD6072	CAMERON PARK IMPROVEMENTS	59,593	-	-
CARRYOVER RELOCATION/REPLACEMENT OF LINES PROJECT TOTAL				\$ 59,593	\$ -	\$ -
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	38,221	38,221	-
CARRYOVER NEW CONNECTION PROJECT TOTAL				\$ 53,038	\$ 53,038	\$ -

**Capital Project Listing – FY 2016**  
**For All Carryover Water & Wastewater Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2016 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2017+ BUDGET
			Carryover Water Utility Project Total	107,246	36,969	-
			Carryover Wastewater Utility Project Total	65,106	52,767	-
<b>OVERALL CARRYOVER WATER &amp; WASTEWATER UTILITY PROJECT TOTAL</b>				<b>\$ 172,352</b>	<b>\$ 89,736</b>	<b>\$ -</b>
NET BUDGET CHANGES SINCE 6/30/16 - WATER:						31,411
NET BUDGET CHANGES SINCE 6/30/16 - WASTEWATER:						28,726
<b>APPROVED CARRYOVER WATER &amp; WASTEWATER UTILITY PROJECT TOTAL:</b>				<b>\$ 149,873</b>		

**Summary Expenditure Report  
For All Carryover Projects – FY 2016  
For All Other Capital Funds**

	<u>FY 2016 BEGINNING BALANCE</u>	<u>CURRENT ENDING BALANCE</u>	<u>DEFERRED BUDGET</u>	<u>NET BUDGET CHANGES SINCE 06/30/16</u>	<u>APPROVED FY 2016 CARRYOVER</u>
IMPACT FEES (FUND 410) TOTAL	\$ 647,561	\$ -	\$ -	\$ 9,149	\$ 9,149
FUTURE DEBT BOND PROCEEDS PROJECTS (COMMERCIAL PAPER FUND 405) TOTAL	9,716,529	4,751,095	-	959,352	5,710,447
GRANTS FUND (FUND 200) TOTAL	2,315,318	-	-	186,463	186,463
OTHER CAPITAL FUNDS BUDGET TOTAL	\$ <u>12,679,408</u>	\$ <u>4,751,095</u>	\$ <u>-</u>	\$ <u>1,154,964</u>	\$ <u>5,906,059</u>

**Capital Project Listing – FY 2016  
For All Carryover Projects  
Future Debt Bond Proceeds Projects (Commercial Paper Fund 405)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2016 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2017+ BUDGET
09/19/16	79344	SP1008	LS 159 MOTOR CONTROL CENTER BUILDING AND ELECTRICAL UPGRADES	\$ 42,396	\$ 42,396	\$ -
09/20/16	79461	SP1009	LS 63 MOTOR CONTROL CENTER BUILDING AND ELECTRICAL UPGRADES	44,146	44,146	-
09/21/16	79488	SP1011	LIFT STATION NO. 44 REHABILITATION AT 45 TAN OAK CIRCLE	24,666	24,666	-
09/22/16	79548	SP1012	LIFT STATION NO. 68 REHABILITATION AT 4700 STAGECOACH TRAIL	24,666	24,666	-
09/22/16	79561	SP1013	LIFT STATION NO. 69 REHABILITATION AT 1580 LA POSADA DRIVE	24,666	24,666	-
08/28/07	15783	WD3594	RAMADA BRIDGE, MILPA VERDE AND SUN VALLEY CONDOMINIUMS WATERLINE IMPROVEMENT PROJECT ALSO ON ESPERANZA RD AND PALACIO REAL RD	-	-	-
07/10/15	20395 amended	EG3610	NEW DISTRIBUTED CONTROL SYSTEM FOR THE POWER PLANT	-	-	-
05/25/16	28551 amended	WT3772	FILTER SYSTEM REHABILITATION PROJECT AT WATER PLANT I AND II	3,253,249	900,330	-
11/13/12	33870	ET3836	TITAN SUBSTATION UPGRADE 4EA SF6, 145KV CIRCUIT BREAKERS	-	-	-
08/22/13	33871 amended	ED3837	TITAN SUBSTATION TRANSFORMER AND SWITCHGEAR UPGRADE	668	-	-
06/04/13	37716	ED3881	CAPACITOR BANK AND CONTROLLER INSTALLATIONS AT THE PALO ALTO SUBSTATION FEEDERS OFF OF NARANJO RD, FM 511, W ALTON GLOOR BLVD, FM 803 & FRONTAGE RD	-	-	-
08/18/15	40867 amended	SP3882	REHABILITATION OF LIFT STATION 7, 18 AND 68	1,023,062	89,101	-
12/03/13	42653	WD3888	MARTINAL AREA WATER SYSTEM LOOPS OFF OF OLD PORT ISABEL ROAD AND FM 802	22,809	22,809	-
11/05/13	42102 amended	SP3889	LS 63 MOTOR CONTROL CENTER BUILDING REPLACEMENT ON 3657 RUBEM M TORRES BLVD (FM802)	46,388	46,388	-
01/15/14	43581	SC3891	LS 77 FORCE MAIN EXTENSION	716	716	-
02/05/14	44172	WA3897	WATER TREATMENT #2 ROOF REPLACEMENT	2,084	2,084	-
06/02/14	48134	WA3908	WATER PLANT NO. 2 HURRICANE SHUTTERS OFF OF CONTROL ROOM AND CHIEF OPERATOR'S OFFICE	606	606	-
05/06/14	47262	EA3909	ELECTRIC SCADA SYSTEM - INSTALLATION AND REPLACEMENT; ENGINEERING PHASE	58,981	45,612	-
07/20/16	47096 amended	ST3911	ODOR CONTROL MASTER PLAN IMPLEMENTATION ENGINEERING, PHASE 1 - SWWTP AND 16 LOCATIONS THROUGHOUT BROWNSVILLE	2,333,524	1,959,656	-

**Capital Project Listing – FY 2016  
For All Carryover Projects  
Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2016 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2017+ BUDGET
05/18/16	60914 amended	SP3951	IMPROVEMENTS TO LIFT STATION NO. 6 AND NO. 108	42,588	-	-
08/29/16	64035 amended	ST3959	NWWTP CLARIFIER LAUNDRER COVERS DESIGN AND INSTALLATION	782,200	513,872	-
02/05/16	65744 amended	EA3963	CONTINUOUS EMISSIONS MONITOR SYSTEM (CEMS) DATA CONTROLLERS FOR UNITS 9 & 10 AT THE POWER PLANT	67,478	-	-
09/23/16	79248 amended	ET3967	LOMA ALTA SUBSTATION - 3000 AMP BREAKER WITH RELAY PROTECTION TO SHARYLAND PALMITO SUBSTATION 138KV TRANSMISSION LINE	430,779	168,007	-
12/18/15	67423	WD3971	INSTALL NEW WATER MAIN LINE W. MORRISON RD AT DECOMMISSIONED RAIL ROAD TRACKS	9,144	-	-
12/15/15	67327	ST3973	REPLACEMENT PUMP FOR DIGESTER PUMP STATION AT SOUTH WASTEWATER TREATMENT PLANT	30,899	236	-
01/28/16	68585	WA3975	CHLORINE TON SCALES FOR WATER PLANT II	21,291	-	-
01/28/16	68572	WT3976	CHLORINE TON CONTAINER EMERGENCY SHUT DOWN SYSTEM FOR WATER PLANT II	33,743	-	-
02/08/16	69006 69007	WA3978 SA3978	WATER PLANT SCADA REDUNDANCY WASTEWATER PLANT SCADA REDUNDANCY	49,485 49,485	10,149 10,149	- -
01/19/16	68137	ED3979	CAPACITORS FOR MILITARY SUBSTATION FEEDERS	43,288	19,663	-
02/02/16	68741	ED3984	LOMA ALTA SUBSTATION 3-PH SERVICE TO PALMITO SUBSTATION	67,276	61,803	-
04/06/16	71863	ST3989	15HP GRINDER PUMP AND SCUM DRAIN AT SOUTH WASTEWATER TREATMENT PLANT	18,671	1,807	-
04/14/16	72360	EA3991	CONTINUOUS EMISSIONS MONITORING SYSTEM FOR UNIT #10 AT SILAS RAY POWER PLANT	70,944	49,548	-
05/31/16	74620	ST3999	RECLAIM WATER PUMP STATION AUTOMATIC CONTROL SYSTEM UPGRADES AT SWWTP	1,199	849	-
07/16/14	49592	WD5299	NEW WALMART STORE ON THE CORNER OF HUDSON AND RUBEN TORRES BLVD DEVELOPER INSTALLED IMPROVEMENTS	-	-	-
09/18/14	51737	WD5303	MAYORCA VILLAS SUBDIVISION	1,634	-	-
09/22/14	51796	SC5303	CORNER OF JOSE MARTI AND LA PAZ COURT DEVELOPER INSTALLED IMPROVEMENTS	1,805	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	-	-	-
03/23/15	59020	WD5315	CYNTHIA AND LUIS DEVELOPMENT LLC SUBDIVISION	1,741	1,537	-
08/05/15	59017 amended	SC5315	OFF OF ALTON GLOOR BLVD AND STAGECOACH TRAIL DEVELOPER INSTALLED IMPROVEMENTS	18,646	6,273	-
04/01/15	59203	WD5316	VILLAS DE SAN PEDRO TOWNHOMES	2,794	-	-
04/01/15	59204	SC5316	ON KINGSWAY DR AND OLD PORT ISABEL RD DEVELOPER INSTALLED IMPROVEMENTS	-	-	-



**Capital Project Listing – FY 2016  
For All Carryover Projects  
Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2016 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2017+ BUDGET
04/24/15	60128	WD5318	DICKS SPORTING GOODS BEHIND SUNRISE MALL, BETWEEN SEARS AND BEALLS DEVELOPER INSTALLED IMPROVEMENTS	-	-	-
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	-
07/06/15	62521	WD5322	MONTEBELLA PARK	1,755	1,449	-
07/26/16	62520	SC5322	UTILITY IMPROVEMENTS	6,895	4,515	-
	amended					
08/07/15	63681	WD5324	SUNSHINE PLAZA PHASE II INTERSECTION OF GALENO STREET AND PABLO KISEL BLVD DEVELOPER INSTALLED IMPROVEMENTS	531	-	-
08/04/14	33622	WD6079	WESTERN STREET UTILITY IMPROVEMENTS	117,482	117,482	-
08/04/14	35568	SC6079	WESTERN STREET UTILITY IMPROVEMENTS	77,522	77,522	-
	amended					
05/18/16	42044	SP6083	LIFT STATION 45 REHABILITATION AT 2644 E PRICE RD	66,356	-	-
	amended					
09/09/15	42465	WD6085	NAVARRA AND TOLEDO STREET INFRASTRUCTURE IMPROVEMENTS	52,827	-	-
	amended					
09/09/15	42434	SC6085		66,473	-	-
	amended					
01/04/16	49129	WD6088	SOUTH SAN MARCELO BLVD UTILITY IMPROVEMENTS	110,984	109,766	-
	amended					
01/04/16	49126	SC6088		63,868	59,287	-
	amended					
09/17/15	52769	WD6089	BON AIRE LN WATER LINE REPLACEMENTS	136,287	-	-
	amended					
01/07/16	67840	WD6092	RINGGOLD AND GAZELLE STREET	35,528	31,122	-
07/29/16	62409	SC6092	UTILITY LINE IMPROVEMENTS	226,036	200,395	-
	amended					
05/28/15	33849	SC9272	FM 511-802 COLONIA AREAS CONSTRUCTION PHASE	98,080	68,080	-
	amended					
09/26/14	52092	WD9273	8-INCH WATERLINE ON SAN JACINTO ROAD FOR NEW CONNECTIONS AND FIRE PROTECTION	-	-	-
CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ 9,716,529	\$ 4,751,095	\$ -
ELECTRIC UTILITY TOTAL:				\$ 739,414	\$ 344,633	\$ -
GENERAL & ADMINISTRATIVE UTILITY:				-	-	-
WATER UTILITY TOTAL:				3,857,296	1,200,658	-
WASTEWATER UTILITY TOTAL:				5,119,819	3,205,804	-
OVERALL COMMERCIAL PAPER FUND CARRYOVER PROJECT TOTAL				\$ 9,716,529	\$ 4,751,095	\$ -
NET BUDGET CHANGES SINCE 6/30/16:						959,352
OVERALL APPROVED COMMERCIAL PAPER FUND CARRYOVER BUDGET TOTAL:						\$ 5,710,447

**Capital Project Listing – FY 2016  
For All Carryover Projects  
Impact Fees Fund Projects (Fund 410)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2016 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2017+ BUDGET
11/20/14	48534	WA3912	2014 WATER AND WASTEWATER MASTER PLAN	\$ 218,563	\$ -	-
	amended		AND SYSTEM MODELING			
11/20/14	48542	SA3912		231,912	-	-
	amended					
12/28/15	67553	WA3972	2015 IMPACT FEE STUDY	98,473	-	-
	67763	SA3972	FOR WATER & WASTEWATER INFRASTRUCTURE	98,613	-	-
CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ 647,561	\$ -	\$ -
WATER UTILITY TOTAL:				\$ 317,036	\$ -	\$ -
WASTEWATER UTILITY TOTAL:				330,525	-	-
OVERALL IMPACT FEES FUND TOTAL				\$ 647,561	\$ -	\$ -
NET BUDGET CHANGES SINCE 6/30/16:						9,149
OVERALL APPROVED IMPACT FEES CARRYOVER BUDGET TOTAL:						\$ 9,149

**Capital Project Listing – FY 2016  
For All Carryover Projects  
Grant Proceeds (Fund 200)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2016 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2017+ BUDGET
05/28/15	33849 amended	SC9272	FM 511-802 COLONIA AREAS	\$ 2,315,318	\$ -	\$ -
CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ 2,315,318	\$ -	\$ -
WATER UTILITY TOTAL:				\$ -	\$ -	\$ -
WASTEWATER UTILITY TOTAL:				2,315,318	-	-
OVERALL GRANTS FUND TOTAL				\$ 2,315,318	\$ -	\$ -
NET BUDGET CHANGES SINCE 6/30/16:						186,463
OVERALL APPROVED GRANT PROCEEDS CARRYOVER BUDGET TOTAL:						\$ 186,463

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# ***GRANTS***

**Grant Schedule  
As of September 30, 2016**

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
<b>FEDERAL FINANCIAL ASSISTANCE</b>								
<b>ENVIRONMENTAL PROTECTION AGENCY</b>								
<i>Program: Gulf of Mexico Program</i>								
<b>CEMETERY RESACA RESTORATION</b>								
			<b>MX-00D19014-0</b>		<b>CEMEDG</b>			
CFDA # 66.475	8/1/2014	7/31/2016	735,590	300,000		\$ 291,389	\$ 291,389	\$ -
		TOTAL	<u>\$ 735,590</u>	<u>\$ 300,000</u>		<u>\$ 291,389</u>	<u>\$ 291,389</u>	<u>\$ -</u>
<b>ENVIRONMENTAL PROTECTION AGENCY</b>								
<i>Project Name: Resaca Restoration Wetlands</i>								
			<b>CD-01F10701-0</b>		<b>RESWET</b>			
CFDA # 66.461	1/1/2016	1/1/2018	220,787	161,840		\$ 48,925	\$ 48,925	\$ -
			<u>\$ 220,787</u>	<u>\$ 161,840</u>		<u>\$ 48,925</u>	<u>\$ 48,925</u>	<u>\$ -</u>
<b>ENVIRONMENTAL PROTECTION AGENCY in connection with BORDER ENVIRONMENT COOPERATIVE COUNCIL</b>								
<i>Project Name: Fat, Oil, and Grease Public Outreach</i>								
			<b>TAA16-008</b>		<b>FOGG16</b>			
CFDA # 66.931	2/2/2016	2/2/2017	56,922	25,000		\$ 2,197	\$ 2,197	\$ -
			<u>\$ 56,922</u>	<u>\$ 25,000</u>		<u>\$ 2,197</u>	<u>\$ 2,197</u>	<u>\$ -</u>
<b>ENVIRONMENTAL PROTECTION AGENCY in connection with BORDER ENVIRONMENT COOPERATIVE COUNCIL</b>								
<i>Program: Congressionally Mandated Projects</i>								
<i>Project Name: BPUB Residential Connections</i>								
			<b>TX0470</b>		<b>SC9276</b>			
CFDA # 66.202	2/23/2016	2/23/2019	3,700,000	3,700,000		\$ -	\$ -	\$ -
			<u>\$ 3,700,000</u>	<u>\$ 3,700,000</u>		<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>

**Grant Schedule**  
**As of September 30, 2016 - 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					
<b><u>DEPARTMENT OF THE INTERIOR THROUGH THE BUREAU OF RECLAMATION</u></b>							
<i>Program: Secure Water Act</i>							
Project Name: SRWA Wellfield Monitoring Program							
CFDA # 15.507	10/1/2015	10/1/2017	<u>R15AP00182</u>	<u>WS1004</u>			
			600,000	300,000	\$ 17,841	\$ 17,841	\$ -
			<u>\$ 600,000</u>	<u>\$ 300,000</u>	<u>\$ 17,841</u>	<u>\$ 17,841</u>	<u>\$ -</u>
<b>Total Expenditures and Disbursements of Federal Awards</b>					<b>\$ 360,352</b>	<b>\$ 360,352</b>	
<b><u>STATE FINANCIAL ASSISTANCE</u></b>							
<b><u>TEXAS WATER DEVELOPMENT BOARD</u></b>							
<i>Program: Economically Distressed Areas Program</i>							
<b><u>FM511-802 Colonia (CONSTRUCTION)</u></b>							
G120010	4/19/2012	6/30/2015	<u>10344</u>	<u>SC9272</u>			
L120029			\$ 25,497,000	\$ 24,505,000	\$ 23,103,614	\$ 23,103,614	\$ -
				840,000	840,000	840,000	-
			<u>\$ 25,497,000</u>	<u>\$ 25,345,000</u>	<u>\$ 23,943,614</u>	<u>\$ 23,943,614</u>	<u>\$ -</u>
<b>Total Expenditures and Disbursements of State Awards</b>					<b>\$ 23,943,614</b>	<b>\$ 23,943,614</b>	
<b><u>LOCAL FINANCIAL ASSISTANCE</u></b>							
<b><u>Texas Dept. of Agriculture/CDBG/Cameron County</u></b>							
Las Palmas Mobile Home Park	9/20/2016	11/11/2017	<u>TXDAG/CDBG/CC</u>	<u>SC3961</u>			
			\$ 1,050,190	\$ 450,302	\$ -	\$ -	\$ -
			<u>\$ 1,050,190</u>	<u>\$ 450,302</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
<b>Total Expenditures and Disbursements of Local Awards</b>					<b>\$ -</b>	<b>\$ -</b>	
<b>Total Expenditures and Disbursements of Federal, State, Local Awards and TWDB Bonds</b>					<b>\$ 24,303,966</b>	<b>\$ 24,303,966</b>	

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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.

<b>Contents</b>	<b>Page</b>
<b>Operations Expenses Analysis by Account</b> 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 371-373
<b>BPUB Description and Utility Service Territory Maps</b> These schedules include supplemental data that describe the organization, the community, and service territory.	Appendix B 374-380
<b>Glossary</b> This schedule includes any terminology (including abbreviations and acronyms) that are not readily understandable.	Appendix C 381-390
<b>Financial Trends</b> 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 392-394
<b>Revenue Capacity</b> These schedules contain information to help the reader access the Brownsville PUB's local revenue source.	Appendix D 396-400
<b>Debt Capacity</b> 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 402
<b>Demographic and Economic Information</b> 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 404-412
<b>Operating Information</b> 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 414-417

## OPERATIONS EXPENSE ANALYSIS BY ACCOUNT

Account	Actual	Actual	Actual	Budget	Unaudited	
	2012	2013	2014	2015	Actual 2016	Budget 2017
<b>Personnel O&amp;M</b>						
6101 Supervision	\$ 4,061,117	\$ 4,650,504	\$ 5,054,537	\$ 5,051,308	\$ 5,715,651	\$ 6,097,740
6105 Administrative Staff	2,950,675	3,111,778	3,461,896	3,729,706	3,994,829	4,521,959
6110 Clerical staff	2,535,828	2,589,001	2,788,553	2,785,339	2,878,439	2,793,569
6115 Operational staff	8,508,685	9,385,000	9,942,438	10,409,084	10,382,405	10,677,366
6120 Part-time staff	356,127	631,703	281,357	153,271	214,176	202,496
6125 Pay for Performance Wages	-	-	-	-	-	-
6130 Overtime	1,349,351	666,272	870,301	993,021	800,350	876,648
6140 Severance Pay	-	12,926	5,856	-	61,017	-
6160 Overhead Labor	-	-	-	-	-	-
6201 T.M.R.S.	3,078,297	2,990,166	3,173,825	2,286,132	4,013,615	4,265,576
6205 F.I.C.A.	1,197,499	1,265,404	1,340,387	1,378,593	1,420,563	1,524,476
6206 Suta	19,170	11,496	39,666	10,578	26,372	-
6210 Medicare	283,065	298,444	316,747	327,293	339,342	351,674
6214 Dental Insurance	121,207	130,634	134,241	136,085	137,601	166,979
6215 Hospitalization insurance	3,540,305	3,775,462	3,905,342	3,930,969	4,411,920	5,447,297
6216 Other Post-Employment Benefits (ins)	340,916	806,513	1,122,644	895,643	1,221,396	1,000,000
6220 Life Insurance	25,136	27,808	29,242	30,404	31,623	26,290
6221 Long Term Disability Insurance	46,983	51,427	54,996	57,157	59,555	47,972
6225 Workers Compensation	741,776	559,504	597,880	620,706	623,530	607,773
6230 Vacation leave	6,146	276,024	169,716	105,668	30,308	287,331
6235 Sick leave	274,248	402,074	456,501	195,783	317,970	315,824
6240 Educational assistance	7,406	7,924	10,288	490	7,518	27,320
6242 Auto Benefits	84,001	84,001	92,366	92,943	83,864	76,501
6243 Telephone Benefits	11,632	13,441	15,315	15,444	14,004	11,761
6250 Miscellaneous personnel benefits	69,798	64,887	62,539	67,466	159,881	2,336,412
6260 Vacancy Savings	-	-	-	-	-	(1,610,179)
6270 Retention Plan Budget	-	-	-	-	-	25,000
<b>Personnel O&amp;M Total</b>	<b>29,609,365</b>	<b>31,812,390</b>	<b>33,926,631</b>	<b>33,273,082</b>	<b>36,945,927</b>	<b>40,077,785</b>
<b>Non-personnel O&amp;M</b>						
7101 Advertising	187,958	262,497	243,966	266,739	177,822	286,500
7102 Sponsorships	168,910	161,976	178,610	180,095	156,750	179,500
7105 Books & periodicals	15,844	16,696	23,359	14,276	11,274	32,821
7110 Dues & memberships	121,115	167,596	181,963	188,045	97,421	122,138
7115 Educational material	10,432	22,935	11,679	21,017	23,096	37,000
7120 Office supplies	164,915	153,636	163,121	178,402	157,954	205,050
7125 Photo equipment/supplies	2,451	737	689	255	711	7,200
7130 Postage/shipping charges	340,606	352,210	362,181	360,069	353,485	400,885
7135 Telephone expenses	318,851	324,036	293,172	303,715	440,204	347,430
7140 Training expenses	160,167	139,143	137,352	150,823	174,874	298,158
7145 Travel expenses	322,137	359,861	272,515	244,293	305,950	426,478
7147 Mileage Reimbursement (InTownExp)	259	929	308	561	651	2,800
7150 Recruitment Expenses	6,384	2,864	5,986	1,985	3,583	15,000
7155 Initial Certificatn/Licensing Reimb	-	-	-	-	829	-
7180 Utilities - departmental	1,979,280	2,109,419	2,568,022	2,679,485	2,759,301	2,773,824
7190 Utilities - CP&L & Mvec	92,083	85,137	112,004	19	-	-
7190 Utilities - CP&L & Mvec	-	-	-	108,485	101,973	103,690
7199 Miscellaneous office expenses	4,979	-	-	513	-	2,200
7201 Barricades & signs	4,827	1,836	3,133	2,011	1,844	7,700
7203 Sand, Caliche, Gravel, Concrete etc	73,532	266,357	192,248	282,806	347,850	281,000
7205 Lamps, globes & flares	7,907	5,213	3,060	10,360	6,328	14,000
7210 Landscaping/Trade a Tree Program	2,044	6,333	2,531	8,644	2,493	9,000
7215 Laundry & janitorial supplies	7,678	5,692	4,493	6,283	3,770	9,435
7220 Medical supplies	480	287	664	492	272	1,000
7225 Safety supplies	50,730	57,856	71,629	110,880	95,824	122,581
7251 Purchased of Raw Water	78,957	49,122	31,540	12,494	15,195	25,000
7279 Ultraviolet light system expenses	-	-	-	-	-	121,430
7280 Chemicals - activated carbon	67,712	50,567	61,607	41,470	61,363	71,069
7281 Chemicals - ammonia	101,825	119,300	100,235	89,080	88,240	106,383
7282 Chemicals - caustic soda	81,876	84,627	54,653	60,760	65,338	79,249
7283 Chemicals - chlorine	286,694	279,846	195,424	194,286	195,734	204,344
7284 Chemicals - coagulant	1,169,210	1,076,134	951,586	823,892	697,001	879,926
7285 Chemicals - copper sulphate	8,500	-	2,311	-	2,700	5,000
7286 Chemicals - deodorants	1,065	158	4,504	6,413	7,688	7,256
7289 Chemicals - lime	-	-	-	-	-	-
7290 Chemicals - sodium chloride	121,393	106,948	138,707	104,313	100,659	116,130
7293 Chemicals - other	1,397,722	1,691,897	1,768,143	1,522,492	1,547,881	933,381
7299 Other materials & supplies	1,783,995	1,559,830	1,395,590	1,570,181	1,387,389	1,426,509
7301 Bad debt expense	565,117	358,019	2,721	510,974	649,036	700,000
7302 Bankruptcy expenses	-	-	-	-	(8,400)	3,000
7304 Hurricane Preparedness Expenses	146,725	283,667	80,827	206,200	219,827	230,950
7305 ERCOT expenses	2,962,548	1,799,270	1,567,229	1,247,000	251,587	1,085,000

## OPERATIONS EXPENSE ANALYSIS BY ACCOUNT – CONTINUED

Account	Actual	Actual	Actual	Budget	Unaudited	Budget
	2012	2013	2014	2015	Actual 2016	2017
<b><i>Non-personnel O&amp;M - cont.</i></b>						
7310 Federal, state, & local fees	335,938	292,977	394,911	376,623	404,682	458,835
7315 Food, meals, ice, water	39,422	49,026	46,971	55,652	45,866	74,009
7320 Official functions	15,047	15,501	31,488	34,406	28,280	41,400
7322 Recognition Program	62,792	55,311	66,660	66,228	72,291	85,500
7325 Rental of equip/storage/land	339,137	391,205	404,484	401,475	425,459	534,206
7330 Right of way fees	50,238	46,996	53,329	51,384	44,068	55,000
7335 Wearing apparel & dry goods	137,069	135,410	224,342	260,935	266,324	238,592
7340 Promo Exp-Energy Efficiency & Consvr	-	20,688	27,984	25,513	27,141	37,500
7345 Rebate Exp-Energy Efficiency & Cnsrv	116,159	113,598	153,781	187,728	293,430	160,000
7346 Water Efficiency Program	-	-	-	-	-	10,000
7347 Commercial & Industrial Rebate Prog	-	-	-	-	143,818	250,000
7348 Customer Assistance Program	-	-	-	-	12,739	100,000
7380 Insurance - general liability	50,228	54,829	64,497	64,882	66,058	78,000
7381 Insurance - boiler,mchnry,property	861,860	982,735	1,063,925	1,046,039	1,002,998	1,300,000
7382 Insurance - blanket bond	1,482	1,703	1,582	4,040	4,141	2,000
7384 Insurance - public officials liab	66,225	63,960	74,241	73,611	67,870	80,500
7385 Insurance - comprehensive auto liab	90,063	87,524	103,845	109,393	107,236	110,000
7386 Insurance - umbrella liability	316,543	325,479	350,956	397,767	397,707	405,000
7387 Insurance - self insured damages	64,583	25,592	53,544	114,156	75,098	150,000
7388 Excess Workers Compensation	57,273	61,948	63,039	70,740	69,580	-
7405 Auto body repairs	8,608	17,228	22,983	14,584	8,611	15,000
7410 Batteries	10,192	11,954	13,209	15,548	14,344	17,500
7415 Fuels & lubricants	793,814	793,962	814,117	650,581	475,372	613,390
7420 Parts	167,826	240,561	295,817	295,485	364,861	280,000
7425 Road service	2,622	2,217	7,405	22,433	21,065	12,000
7430 Tires	77,671	66,431	65,964	73,656	82,965	85,000
7501 Maint. of buildings & structures	41,375	110,367	67,103	33,717	159,047	163,500
7505 Maint. of communication equipment	30,080	10,839	7,817	8,326	12,204	75,850
7515 Maint. of major equipment	788,810	284,555	1,715,075	1,018,238	381,462	1,854,600
7520 Maint. of minor equipment	24,370	33,992	63,469	40,879	63,209	90,625
7525 Maint. of boiler plant	237,084	103,988	90,201	140,150	304,762	250,000
7530 Maint. of electric meters	98,436	78,326	84,934	73,161	106,787	100,000
7540 Maint. of line transformers	562,203	173,053	189,778	79,351	84,513	174,000
7550 Maint. of overhead lines	77,481	111,498	87,341	56,524	88,984	148,000
7555 Maint. of station equipment	15,760	3,458	11,026	17,072	68,331	65,000
7565 Maint. of street lighting & signals	201,168	194,825	218,624	223,587	172,126	202,684
7570 Maint. of underground lines	72,423	203,402	112,632	213,488	361,167	313,000
7574 Maintenance of wells	19,867	12,452	3,617	2,673	12,053	14,000
7575 Maint. of water meters	236,565	207,036	218,713	178,775	361,365	290,000
7577 Maint. of distribution mains	22,457	117,088	129,656	147,029	162,839	120,000
7580 Maint. of reservoirs	231,265	78,587	63,289	106,433	120,137	110,000
7581 Maint. of resacas	33,650	23,778	94,789	318,606	332	23,100
7585 Maint. of sewer force mains	-	20,201	18,846	21,814	6,594	30,000
7586 Maint. of sewer gravity lines	-	57,737	145,077	184,828	36,947	140,000
7599 Maintenance / other	101,123	204,382	366,428	118,443	67,757	99,500
7601 Legal Fees	1,600,579	1,613,983	1,599,280	1,485,930	1,406,236	1,768,000
7605 Engineering fees	1,222,178	1,320,188	1,544,181	588,904	546,550	1,056,500
7610 Financial advisor services	57,789	118,659	95,461	60,591	63,669	85,000
7615 External auditor fees	60,000	60,000	72,000	50,500	51,500	60,000
7620 Environmental consulting fees	99,829	20,868	56,531	129,307	91,809	105,000
7630 Construction contractor services	292,761	183,456	352,390	468,810	583,735	384,541
7635 Data processing services	-	-	-	777,116	900,797	1,002,145
7635 Software maintenance service fees	602,661	634,956	652,906	32,297	-	-
7645 Maintenance services	1,312,457	1,532,234	1,544,764	1,424,360	1,543,920	1,719,183
7650 Security services	256,493	297,452	332,990	330,795	357,787	507,400
7655 Hauling Services	65,017	176,314	137,067	143,216	78,519	124,172
7660 Ground Keeping Maintenance	146,693	206,579	148,436	196,978	275,040	325,000
7697 O&M Contingency-Maintenance Pool	-	-	-	-	-	600,000
7698 O&M Contingency-Budget Pool	-	-	-	-	-	1,037,755
7699 Other services	2,230,506	2,994,910	2,523,965	2,760,875	3,305,779	3,976,489
7801 Communication equipment	5,701	15,296	39,389	117,687	52,280	42,300
7805 Computer equipment	210,823	187,818	361,116	340,458	268,145	232,024
7806 Software licenses-new	27,860	23,300	33,385	97,101	27,353	109,491
7810 Laboratory equipment	29,447	18,737	47,918	70,194	41,458	48,839
7820 Office furniture & equipment	90,063	43,139	57,828	96,631	105,243	143,896
7830 Pumping equipment	189,633	84,986	190,229	205,133	183,047	194,000
7835 Tools, shop and garage equipment	29,623	38,751	99,765	172,733	115,066	114,408
7840 Water treatment equipment	5,223	20,898	9,673	6,383	10,971	25,000
7899 Other minor tools & equipment	211,444	353,201	179,214	164,893	190,994	317,113
<b>Non-personnel O&amp;M Total</b>	<b>28,022,596.33</b>	<b>27,794,751</b>	<b>29,353,735</b>	<b>28,626,653</b>	<b>27,798,014</b>	<b>35,115,565</b>

## OPERATIONS EXPENSE ANALYSIS BY ACCOUNT – CONTINUED

Account	Actual	Actual	Actual	Budget	Unaudited	
	2012	2013	2014	2015	Actual 2016	Budget 2017
<b>Type 77 - Fuel &amp; Purchased Power</b>						
7701 Fuel - Natural gas - Silas Ray	2,758,991	3,374,506	3,822,520	1,360,321	828,325	1,000,000
7702 Fuel - Natural Gas - Hidalgo Energy	7,509,448	11,820,986	13,091,950	9,210,195	8,819,301	6,500,000
7703 Fuel - Diesel oil - Silas Ray	1,008	2,827	3,926	790	-	-
7704 Fuel - TETCO/Hinshaw Pipeline	415,837	541,701	629,567	619,795	601,043	600,000
7705 Fuel - Coal - Oklaunion	6,662,764	8,366,230	9,906,208	6,940,676	8,219,923	5,500,000
7706 Fuel-Diesel-Distributed Generation	12,245	26,108	3,531	-	-	35,000
7707 Fuel - Diesel oil - Oklaunion	225,004	178,077	241,855	149,218	163,298	200,000
7708 Fuel - Natural Gas Tranp-SilasRay	-	-	-	50,465	45,053	100,000
7714 Pchp - Wind Resources	-	-	-	-	9,654,703	10,000,000
7720 Pchp - Reliant Energy SRS	-	-	-	-	635,903	2,500,000
7720 Pchp - Resource Imbalance	(2,431,888)	(1,527,651)	(1,639,172)	3,183,248	-	-
7721 Pchp - Economy power	15,790,064	14,354,307	21,743,977	20,437,471	8,985,308	10,000,000
7726 Pchp - Bilateral Energy Expns-Gas	410,302	125,996	656,513	0	-	-
7726 Pchp - Wholesale Fuel Expenses - Gas	-	-	-	-	-	100,000
7727 Pchp - Bilateral Energy-Gas Transp	-	-	-	-	-	-
7727 Pchp - Other wheeling-Gas Transp	-	-	-	-	-	50,000
7728 Pchp - Bilateral Energy Exp-Coal	-	-	-	-	-	-
7728 Pchp - Wholesale Fuel-Gas Transp	-	-	-	-	-	25,000
7729 Pchp - TCOS (Wheeling)	3,159,067	3,668,901	6,358,881	7,634,407	8,003,021	7,800,000
7731 Pchp - Fixed expenses - Oklaunion	4,770,162	5,782,994	6,579,426	6,943,411	5,315,399	6,349,847
7732 Pchp - Hidalgo Fixed Operation Fee	2,728,718	4,727,204	3,415,151	2,850,313	3,148,987	2,977,329
7733 Pchp - Bilateral Ancillary Services	1,244,925	1,104,526	1,776,100	1,720,538	1,200,736	1,800,000
7736 Pchp - QSE Charges	350,660	340,628	329,534	312,000	383,500	400,000
7737 Pchp - Ercot Charges	481,947	(301,308)	(966,043)	965,295	1,194,514	1,200,000
7738 Pchp - CSC Congestion Cost (CSCBE)	4,224,604	1,349,220	1,406,807	2,429,637	703,640	1,700,000
7740 Power marketing services	135,787	105,944	237,536	413,200	275,764	500,000
7751 Pchp - Reliability Unit Cmt Exp-Gas	-	-	-	23,142	98,846	150,000
7752 Pchp - Reliab Unit Cmt - Gas Transp	-	-	-	3,905	-	-
7752 Pchp - Reliab Unit Cmt-Gas Trabsp	-	-	-	-	12,632	50,000
7753 Pchp - Day Ahead Energy Exp-Gas	-	-	-	1,056,932	846,597	1,400,000
7754 Pchp - Day Ahead Energy-Gas Transp	-	-	-	58,030	94,516	150,000
7755 Pchp - Real Time Energy Exp-Gas	-	-	-	974,961	1,488,123	1,400,000
7756 Pchp - Real Time Energy - Gas Transp	-	-	-	116,279	155,061	150,000
7757 Pchp - Reliab Unit Cmt - Coal	-	-	-	-	-	50,000
7758 Pchp - Day Ahead Energy - Coal	-	-	-	-	-	50,000
7758 Pchp - Day Ahead Energy-Coal	-	-	-	-	-	-
7759 Pchp - Real Time Energy - Coal	-	-	-	547,869	1,356,666	325,000
<b>Fuel &amp; Purchased Power Total</b>	<b>48,449,645</b>	<b>54,041,195</b>	<b>67,598,265</b>	<b>68,002,097</b>	<b>62,230,858</b>	<b>63,062,176</b>
<b>SRWA</b>						
7306 SRWA O&M Assessment	3,304,375	2,688,914	2,795,503	3,585,642	3,585,642	3,719,365
7307 SRWA Dbt Svc Assessment	2,311,801	2,178,768	2,147,493	2,152,371	2,158,034	2,159,360
<b>SRWA Total</b>	<b>5,616,176</b>	<b>4,867,682</b>	<b>4,942,996</b>	<b>5,738,013</b>	<b>5,743,676</b>	<b>5,878,725</b>
<b>TOTAL OPERATIONS &amp; MAINTENANCE</b>	<b>\$ 111,697,782</b>	<b>\$ 118,516,018</b>	<b>\$ 135,821,627</b>	<b>\$ 135,639,845</b>	<b>\$ 132,718,475</b>	<b>\$ 144,134,251</b>
<b>Less:</b>						
Fuel & Purchased Power	\$ 48,449,645	\$ 54,041,195	\$ 67,598,265	\$ 68,002,097	\$ 62,230,858	\$ 63,062,176
SRWA Assessments	5,616,176	4,867,682	4,942,996	5,738,013	5,743,676	5,878,725
<b>TOTAL APPROVED O&amp;M BUDGET</b>	<b>\$ 57,631,962</b>	<b>\$ 59,607,141</b>	<b>\$ 63,280,365</b>	<b>\$ 61,899,735</b>	<b>\$ 64,743,941</b>	<b>\$ 75,193,350</b>

**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 48,196 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 4.77% 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 will complete an expansion in 2015 to provide microfiltration pretreatment and a total production capacity up to 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, 174 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 (as alternate source of 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 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, 67<sup>th</sup> Leg., Ch. 511, 1981 Tex. Gen. Laws 2196. The SRWA provides treated water to various areas of Cameron County.

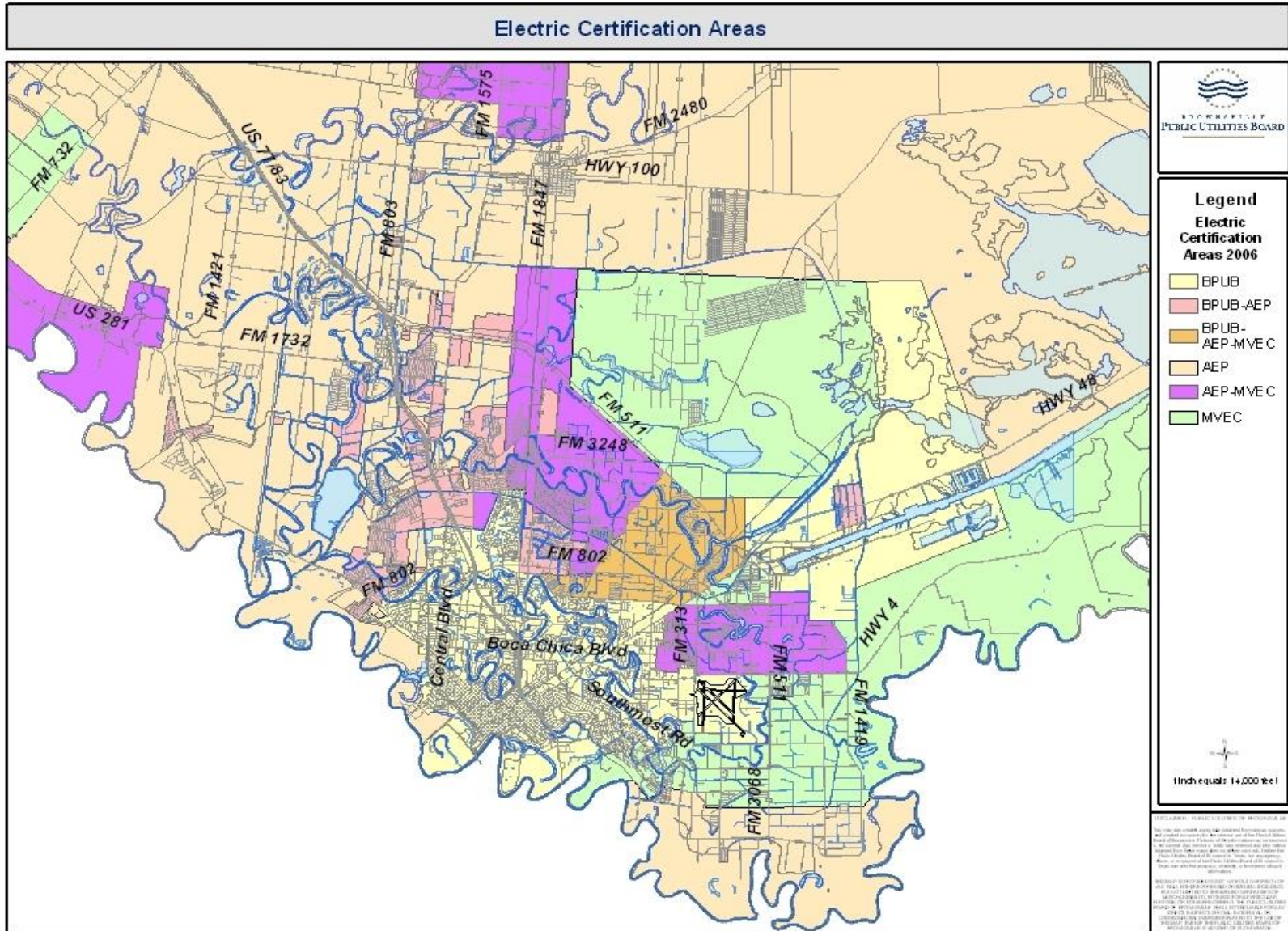
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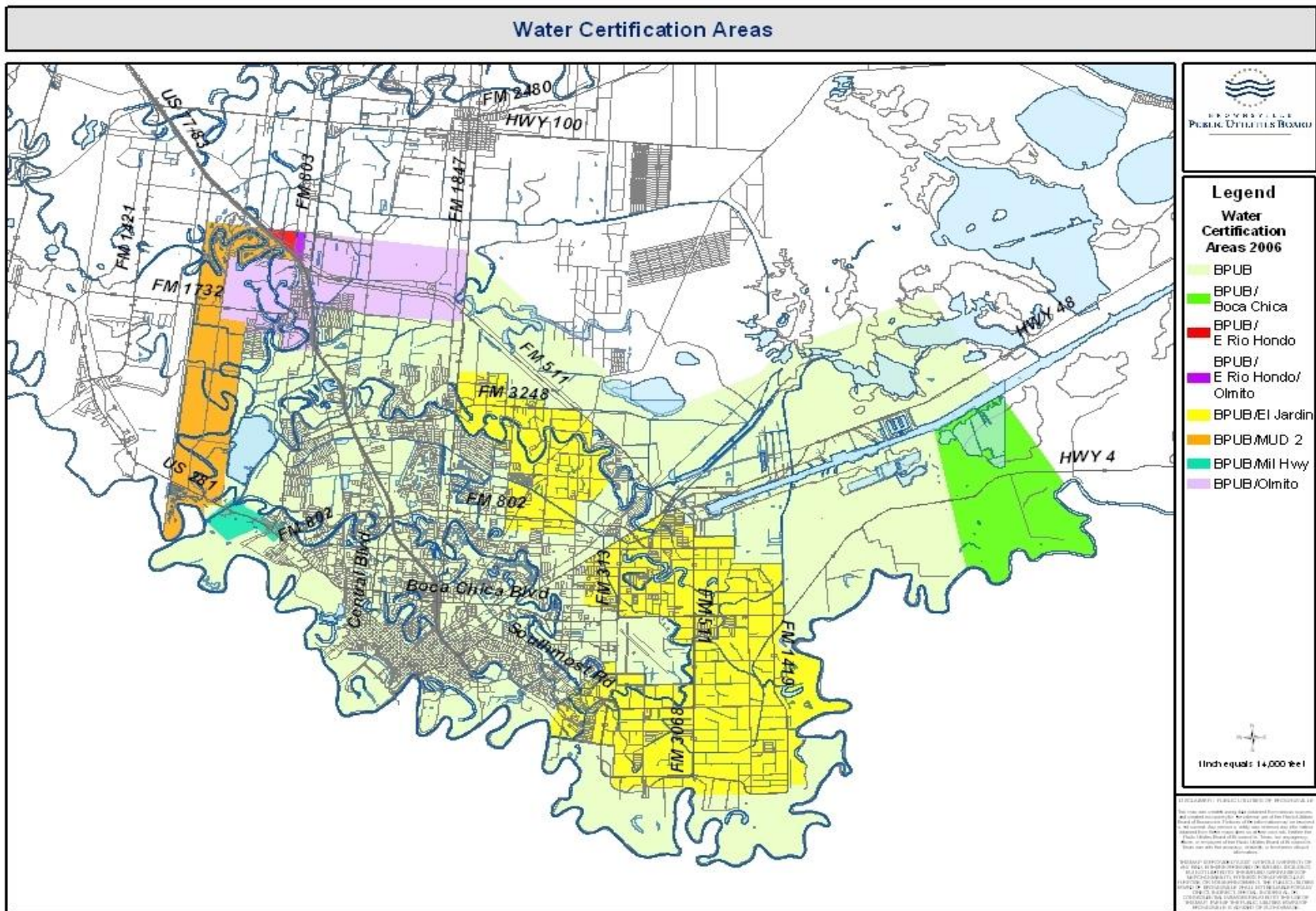
**MAP INDICATING WHERE BROWNSVILLE PUB IS LOCATED**



# SERVICE AREA MAPS – ELECTRIC



# SERVICE AREA MAP – WATER





## **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 21<sup>st</sup> 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](http://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](http://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](http://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](http://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](http://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](http://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”.

**Kilovolts (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](http://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](http://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](http://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](http://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](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](http://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](http://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**

<b>Assets</b>	<b>2015</b>	<b>2014</b>	<b>2013 Restated</b>	<b>2012</b>	<b>2011</b>
<b>Current assets:</b>					
Cash and cash equivalents	\$ 17,388,130	\$ 11,550,966	\$ 11,089,986	\$ 11,373,559	\$ 25,890,772
Investments	33,272,295	39,630,676	43,527,264	39,453,439	22,829,013
<b>Receivables:</b>					
Fees and services, net of allowance for uncollectible accounts	27,021,238	29,279,146	35,371,699	34,849,429	37,474,321
Intergovernmental	1,726,949	1,850,811	5,791,848	985,632	2,143,465
Accrued interest receivable	217,446	154,031	145,707	129,441	146,119
Inventories	12,707,550	9,644,919	9,677,405	11,499,466	13,946,964
Prepays	818,732	777,414	939,216	1,317,468	1,677,928
Total unrestricted current assets	<u>93,152,340</u>	<u>92,887,963</u>	<u>106,543,125</u>	<u>99,608,434</u>	<u>104,108,582</u>
<b>Current restricted assets:</b>					
Cash and cash equivalents	1,686,638	8,944,616	7,231,902	3,579,238	18,783,058
Investments	<u>120,925,178</u>	<u>101,818,933</u>	<u>99,224,385</u>	<u>113,120,376</u>	<u>88,920,545</u>
Total restricted current assets	<u>122,611,816</u>	<u>110,763,549</u>	<u>106,456,287</u>	<u>116,699,614</u>	<u>107,703,603</u>
Total current assets	<u>215,764,156</u>	<u>203,651,512</u>	<u>212,999,412</u>	<u>216,308,048</u>	<u>211,812,185</u>
<b>Non-current assets:</b>					
Capital assets, net of accumulated depreciation	644,891,122	639,771,354	608,281,653	575,058,141	556,156,705
Bond issue costs and other assets	<u>3,028,289</u>	<u>3,346,795</u>	<u>3,579,775</u>	<u>4,728,247</u>	<u>5,081,847</u>
Total non-current assets	<u>647,919,411</u>	<u>643,118,149</u>	<u>611,861,428</u>	<u>579,786,388</u>	<u>561,238,552</u>
Total assets	<u>\$863,683,567</u>	<u>\$846,769,661</u>	<u>\$824,860,840</u>	<u>\$796,094,436</u>	<u>\$773,050,737</u>
<b>Deferred Outflows of Resources</b>					
Deferred charge on refunding	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	<u>3,854,651</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total deferred outflows of resources	<u>24,327,762</u>	<u>17,228,343</u>	<u>18,806,264</u>	<u>-</u>	<u>-</u>
Total assets plus deferred outflows of resources	<u>\$ 888,011,329</u>	<u>\$ 863,998,004</u>	<u>\$ 843,667,104</u>	<u>\$ 796,094,436</u>	<u>\$ 773,050,737</u>



**BALANCE SHEETS - Continued**  
**September 30 - Audited**

<b>Liabilities</b>	<b>2015</b>	<b>2014</b>	<b>2013 Restated</b>	<b>2012</b>	<b>2011</b>
Current liabilities:					
Accounts payable	\$ 17,591,319	\$ 18,516,083	\$ 21,827,511	\$ 15,444,890	\$ 14,150,692
Accrued vacation and sick leave	6,008,007	6,015,657	5,589,597	5,097,978	5,106,662
Due to primary government	2,772,669	2,362,426	1,998,710	2,190,168	2,262,025
Self insurance worker's compensation claims	143,657	52,999	83,754	26,259	42,492
Total unrestricted current liabilities	<u>26,515,652</u>	<u>26,947,165</u>	<u>29,499,572</u>	<u>22,759,295</u>	<u>21,561,871</u>
Current liabilities payable from restricted assets:					
Accounts payable and accrued liabilities	358,434	3,526,180	345,031	281,866	224,205
Accrued interest	1,262,928	1,232,647	1,271,142	1,586,207	1,511,023
Customer deposits	3,763,074	3,527,889	3,438,412	3,305,011	3,198,044
Current portion of revenue bonds payable	13,453,000	13,306,000	11,310,000	9,879,000	9,477,000
Commercial paper	-	13,000,000	4,000,000	24,450,000	20,000,000
Total current liabilities payable from restricted assets	<u>18,837,436</u>	<u>34,592,716</u>	<u>20,364,585</u>	<u>39,502,084</u>	<u>34,410,272</u>
Total current liabilities	<u>45,353,088</u>	<u>61,539,881</u>	<u>49,864,157</u>	<u>62,261,379</u>	<u>55,972,143</u>
Non-current liabilities:					
Revenue bonds payable net of unamortized premium and deferred refunding	342,796,806	336,523,002	351,175,617	311,152,557	320,300,094
Other post-employment benefits	7,866,350	6,970,707	5,848,063	5,041,550	4,700,634
Net pension liability	13,816,408	-	-	-	-
Self insurance worker's compensation claims	69,077	62,216	96,257	72,453	24,429
Total non-current liabilities	<u>364,548,641</u>	<u>343,555,925</u>	<u>357,119,937</u>	<u>316,266,560</u>	<u>325,025,157</u>
Total liabilities	<u>409,901,729</u>	<u>405,095,806</u>	<u>406,984,094</u>	<u>378,527,939</u>	<u>380,997,300</u>
<b>Deferred Inflows of Resources</b>					
Deferred credit – fuel cost over recovery	-	1,311,848	4,566,753	7,141,176	8,132,204
Unrealized contributions and losses related to pension	2,009,154	-	-	-	-
Total deferred inflows of resources	<u>2,009,154</u>	<u>1,311,848</u>	<u>4,566,753</u>	<u>7,141,176</u>	<u>8,132,204</u>
Total liability plus deferred inflows of resources	<u>411,910,883</u>	<u>406,407,654</u>	<u>411,550,847</u>	<u>385,669,115</u>	<u>389,129,504</u>
<b>Net position</b>					
Net investment in capital assets	308,013,036	297,471,707	271,662,239	244,561,464	221,978,138
Restricted	117,120,117	103,988,323	101,291,362	111,400,729	102,698,281
Unrestricted	50,967,293	56,130,320	59,162,656	54,463,128	59,244,814
Total net position	<u>476,100,446</u>	<u>457,590,350</u>	<u>432,116,257</u>	<u>410,425,321</u>	<u>383,921,233</u>
Total liabilities and net position	<u>\$ 888,011,329</u>	<u>\$ 863,998,004</u>	<u>\$ 843,667,104</u>	<u>\$ 796,094,436</u>	<u>\$ 773,050,737</u>

**FINANCIAL TRENDS**  
**STATEMENTS OF REVENUES, EXPENSES, AND CHANGES IN NET POSITION**  
**Fiscal Years 2015 - 2011**

	<b>2015</b>	<b>2014</b>	<b>2013</b> <b>Restated</b>	<b>2012</b>	<b>2011</b>
Operating revenues:					
Sales and services charges	207,767,498	192,061,381	170,446,499	169,799,255	172,360,843
Less utilities service to the City of Brownsville, Texas	(4,809,741)	(4,839,630)	(4,274,184)	(4,228,001)	(4,278,285)
Total operating revenues	<u>202,957,757</u>	<u>187,221,751</u>	<u>166,172,315</u>	<u>165,571,254</u>	<u>168,082,558</u>
Operating expenses:					
Purchased power and fuel	65,220,979	66,941,752	53,915,199	48,039,343	52,502,812
Personnel services	33,302,525	32,821,858	30,615,677	27,962,188	27,387,747
Materials and supplies	7,347,093	7,376,475	7,432,636	7,276,419	7,160,977
Repairs and maintenance	2,983,094	3,688,413	2,029,564	2,794,117	3,234,646
Contractual and other services	21,521,617	19,152,582	19,319,359	18,971,803	18,166,393
Depreciation	29,507,267	28,409,046	27,366,045	23,601,822	28,269,982
Total operating expenses	<u>159,882,575</u>	<u>158,390,126</u>	<u>140,678,480</u>	<u>128,645,692</u>	<u>136,722,557</u>
Operating income	<u>43,075,182</u>	<u>28,831,625</u>	<u>25,493,835</u>	<u>36,925,562</u>	<u>31,360,001</u>
Nonoperating revenues (expenses):					
Investment and interest income	841,219	532,650	564,334	672,133	628,698
Interest expense	(14,509,231)	(15,108,927)	(15,653,933)	(15,579,814)	(16,131,381)
Operating grant revenues	-	-	-	-	-
Loss on disposition of capital assets	(3,577,605)	(1,028,494)	(116,447)	(1,417,327)	(359,218)
Other	1,598,769	1,212,924	(1,483,565)	(581,763)	(2,157,129)
Payments to City of Brownsville	(9,040,104)	(7,613,475)	(7,188,692)	(7,738,354)	(7,488,261)
Net nonoperating revenues (expenses)	<u>(24,686,952)</u>	<u>(22,005,322)</u>	<u>(23,878,303)</u>	<u>(24,645,125)</u>	<u>(25,507,291)</u>
Income before capital contributions	18,388,230	6,826,303	1,615,532	12,280,437	5,852,710
Capital contributions	<u>12,965,169</u>	<u>18,647,790</u>	<u>20,075,404</u>	<u>14,223,651</u>	<u>20,807,252</u>
Change in net position	31,353,399	25,474,093	21,690,936	26,504,088	26,659,962
Net position, beginning of year	457,590,350	432,116,257	410,425,321	383,921,233	357,261,271
Prior Period Adjustment	(12,843,303)	-	-	-	-
Net position, beginning of year as restated	<u>444,747,047</u>	<u>432,116,257</u>	<u>410,425,321</u>	<u>383,921,233</u>	<u>357,261,271</u>
Net position, end of year	<u>476,100,446</u>	<u>457,590,350</u>	<u>432,116,257</u>	<u>410,425,321</u>	<u>383,921,233</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 UTILITY<sup>1</sup>  
LAST TEN YEARS**

FY	ELECTRIC	% CHANGE	WATER	% CHANGE	WASTEWATER	% CHANGE
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%
2007	42,860	3.01%	43,713	3.16%	42,931	3.38%

<sup>1</sup>Municipal customers not included in average number of services billed

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**REVENUE CAPACITY  
REVENUES BY UTILITY - LAST TEN YEARS**

	FY 2015	FY 2014	FY 2013	FY 2012	FY 2011
<b>ELECTRIC</b>					
Residential	\$ 64,980,210	\$ 63,035,376	\$ 51,861,710	\$ 48,562,146	\$ 50,187,194
Commercial	71,696,062	68,505,305	59,576,916	54,952,907	55,235,857
Municipal	4,035,358	3,916,022	3,336,413	3,157,165	3,454,302
Wholesale sales	12,182,728	921,782	237,173	605,125	3,124,675
Other	9,325,630	9,792,100	8,925,031	16,626,285	15,491,119
<i>Total Electric Operating Revenues</i>	<u>\$ 162,219,988</u>	<u>\$ 146,170,585</u>	<u>\$ 123,937,243</u>	<u>\$ 123,903,628</u>	<u>\$ 127,493,147</u>
<b>WATER</b>					
Inside city	\$ 20,340,255	\$ 20,594,551	\$ 20,333,223	\$ 20,389,340	\$ 19,901,457
Outside city	777,023	766,496	735,224	699,401	675,821
Municipal	514,875	618,616	617,202	686,274	587,860
Other	1,342,068	1,162,867	1,054,328	1,032,247	1,140,972
Southmost Regional Water Authority	447,797	488,079	1,023,081	428,572	367,143
<i>Total Water Operating Revenues</i>	<u>\$ 23,422,018</u>	<u>\$ 23,630,609</u>	<u>\$ 23,763,058</u>	<u>\$ 23,235,834</u>	<u>\$ 22,673,253</u>
<b>WASTEWATER</b>					
Residential	\$ 13,251,741	\$ 13,578,070	\$ 14,135,642	\$ 14,128,726	\$ 13,858,701
Commercial	6,841,017	6,712,829	6,734,506	6,713,307	6,565,949
Municipal	259,508	304,992	320,569	384,562	236,123
Outside city	1,181,106	1,087,237	1,050,009	984,754	1,042,823
Other	592,120	577,059	505,472	448,444	490,847
<i>Total Wastewater Operating Revenues</i>	<u>\$ 22,125,492</u>	<u>\$ 22,260,187</u>	<u>\$ 22,746,198</u>	<u>\$ 22,659,793</u>	<u>\$ 22,194,443</u>
<b>TOTAL SALES AND SERVICE CHARGES</b>	<u>\$207,767,498</u>	<u>\$192,061,381</u>	<u>\$170,446,499</u>	<u>\$169,799,255</u>	<u>\$172,360,843</u>
	FY 2010	FY 2009	FY 2008	FY 2007	FY 2006
<b>ELECTRIC</b>					
Residential	\$ 47,971,715	\$ 46,515,011	\$ 53,591,810	\$ 48,956,516	\$ 53,471,606
Commercial	55,336,855	55,839,361	68,404,294	60,065,750	66,971,038
Municipal	3,420,281	3,551,221	3,953,891	3,479,751	4,015,749
Wholesale sales	5,532,956	6,268,813	19,172,024	7,923,735	20,025,496
Other	7,008,117	14,114,934	28,262,591	4,531,350	5,189,757
<i>Total Electric Operating Revenues</i>	<u>\$ 119,269,924</u>	<u>\$ 126,289,340</u>	<u>\$ 173,384,610</u>	<u>\$ 124,957,102</u>	<u>\$ 149,673,646</u>
<b>WATER</b>					
Inside city	\$ 17,448,496	\$ 18,909,283	\$ 18,031,651	\$ 16,866,807	\$ 17,873,500
Outside city	581,350	419,261	616,728	532,163	558,041
Municipal	464,828	487,526	464,790	424,542	455,391
Other	971,331	771,705	810,382	1,025,750	1,082,669
Southmost Regional Water Authority	469,462	355,486	325,247	300,892	285,618
<i>Total Water Operating Revenues</i>	<u>\$ 19,935,467</u>	<u>\$ 20,943,261</u>	<u>\$ 20,248,798</u>	<u>\$ 19,150,154</u>	<u>\$ 20,255,219</u>
<b>WASTEWATER</b>					
Residential	\$ 12,002,652	\$ 13,046,933	\$ 12,292,537	\$ 11,408,673	\$ 12,578,015
Commercial	6,171,734	6,384,964	6,222,760	6,178,300	6,236,655
Municipal	184,228	188,825	186,470	213,619	223,520
Outside city	908,149	933,894	847,091	801,959	801,042
Other	396,032	397,741	427,688	786,940	797,772
<i>Total Wastewater Operating Revenues</i>	<u>\$ 19,662,795</u>	<u>\$ 20,952,357</u>	<u>\$ 19,976,546</u>	<u>\$ 19,389,491</u>	<u>\$ 20,637,004</u>
<b>TOTAL SALES AND SERVICES CHARGES</b>	<u>\$158,868,186</u>	<u>\$168,184,958</u>	<u>\$213,609,954</u>	<u>\$163,496,747</u>	<u>\$190,565,869</u>

**REVENUE CAPACITY**  
**UNIT SALES BY UTILITY - LAST TEN YEARS <sup>1</sup>**

	<b>FY 2015</b>	<b>FY 2014</b>	<b>FY 2013</b>	<b>FY 2012</b>	<b>FY 2011</b>
<b>ELECTRIC SERVICE (kWh)</b>					
Residential	551,304,652	567,334,136	533,303,461	550,169,186	550,421,195
Commercial Non-Demand	128,892,385	132,918,707	134,939,048	136,833,986	136,117,506
Municipal	38,995,522	39,371,016	38,895,227	38,876,114	39,038,235
Commercial Demand	554,994,514	558,708,943	570,125,749	577,866,685	552,274,846
Other	2,227,059	2,226,006	2,232,972	2,234,448	2,188,674
<i>Total Electric Unit Sales</i>	1,276,414,132	1,300,558,808	1,279,496,457	1,305,980,419	1,280,040,456

<b>WATER SERVICE - 1,000 GALLONS</b>					
Inside City	5,281,931	5,753,783	6,294,433	6,269,037	6,431,432
Outside City	148,956	155,398	161,450	150,957	159,187
Municipal	122,006	176,477	189,804	223,176	190,732
Other	461,178	506,676	555,452	582,502	576,616
<i>Total Water Unit Sales</i>	6,014,071	6,592,334	7,201,139	7,225,672	7,357,967

<b>WASTEWATER SERVICE - 1,000 GALLONS</b>					
Residential	2,554,154	2,795,399	3,036,404	3,024,487	3,102,690
Commercial	1,560,177	1,604,591	1,677,306	1,659,010	1,703,770
Municipal	58,998	74,464	80,169	98,579	60,720
Outside City	106,175	118,228	122,924	118,546	125,817
Other	-	-	3,671	6,197	6,861
<i>Total Wastewater Unit Sales</i>	4,279,504	4,592,682	4,920,474	4,906,819	4,999,858

	<b>FY 2010</b>	<b>FY 2009</b>	<b>FY 2008</b>	<b>FY 2007</b>	<b>FY 2006</b>
<b>ELECTRIC SERVICE</b>					
Residential	528,459,863	500,830,035	492,440,123	482,667,057	464,233,888
Commercial Non-Demand	131,502,719	131,592,355	151,550,919	144,469,924	128,883,400
Municipal	38,912,608	38,693,875	37,337,658	35,891,236	34,594,940
Commercial Demand	547,906,595	538,603,116	553,765,276	556,660,013	513,297,878
Other	2,183,004	2,156,058	2,210,427	2,249,019	2,134,692
<i>Total Electric Unit Sales</i>	1,248,964,789	1,211,875,439	1,237,304,403	1,221,937,249	1,143,144,798

<b>WATER SERVICE</b>					
Inside City	5,488,648	6,117,159	5,802,459	5,425,569	5,824,475
Outside City	138,846	147,236	127,173	124,426	117,186
Municipal	129,757	153,402	130,520	128,075	154,909
Other	524,299	581,193	491,686	520,179	449,766
<i>Total Water Unit Sales</i>	6,281,550	6,998,990	6,551,838	6,198,249	6,546,336

<b>WASTEWATER SERVICE</b>					
Residential	2,605,256	2,930,048	2,770,296	2,513,955	2,668,519
Commercial	1,597,067	1,654,968	1,600,161	1,546,491	1,610,776
Municipal	45,905	47,571	48,953	56,673	58,507
Outside City	107,481	117,281	103,510	94,591	101,588
Other	8,248	8,579	7,333	10,275	7,881
<i>Total Wastewater Unit Sales</i>	4,363,957	4,758,447	4,530,253	4,221,985	4,447,271

<sup>1</sup> Excludes Public Utilities Board's usage

**REVENUE CAPACITY  
TEN YEAR RATE ANALYSIS  
RESIDENTIAL RATES**

	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
<b>ELECTRIC <sup>1</sup></b>										
Customer Service Charge	\$ 6.49	\$ 6.01	\$ 5.62	\$ 5.25	\$ 3.53	\$ 3.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 5.53
Energy Charge										
First 500 kWh	0.05241	0.05022	0.04862	0.04708	0.04708	0.04708	0.04708	0.04708	0.04708	0.04708
Over 500 kWh	0.07058	0.06458	0.05964	0.05479	0.05152	0.04708	0.04708	0.04708	0.04708	0.04708
Fuel & Purchased Power	0.03401	0.04500	0.05096	0.04000	0.03200	0.04200	0.03500	0.04000	0.07000	0.04250
<b>WATER (Inside City) <sup>2</sup></b>										
0-3,000 gallons	1.87	1.80	1.73	1.63	1.63	1.55	1.55	1.55	1.55	1.55
4,000-9,000 gallons	2.07	1.99	1.91	1.80	1.80	1.71	1.71	1.71	1.71	1.71
10,000 to 16,000 gallons	2.55	2.45	2.36	2.23	2.23	2.12	2.12	2.12	2.12	2.12
Over 16,000 gallons	3.85	3.70	3.56	3.36	3.36	3.20	3.20	3.20	3.20	3.20
Customer Service Charge 5/8x3/4 Water Meter Size	11.38	10.94	10.52	9.93	9.93	9.47	9.47	9.47	9.47	9.47
<b>WATER (Outside City) <sup>2</sup></b>										
0-3,000 gallons	2.81	2.70	2.68	2.65	2.65	2.52	2.52	2.52	2.52	2.52
4,000-9,000 gallons	3.11	2.98	2.95	2.93	2.93	2.79	2.79	2.79	2.79	2.79
10,000 to 16,000 gallons	3.83	3.68	3.10	3.05	3.05	2.90	2.90	2.90	2.90	2.90
Over 16,000 gallons	5.78	5.55	4.60	4.56	4.56	4.34	4.34	4.34	4.34	4.34
Customer Service Charge 5/8 x 3/4 Water Meter Size	17.09	16.43	15.8	14.90	14.90	14.21	14.21	14.21	14.21	14.21
<b>SEWER (Inside City) <sup>3</sup></b>										
Rate per 1,000 gallons	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0-7,000 gallons	3.43	3.43	3.30	3.29	3.29	3.13	3.13	3.13	3.13	3.13
over 7,000 gallons	3.76	3.76	3.62	3.57	3.57	3.40	3.40	3.40	3.40	3.40
Customer Service Charge 5/8 x 3/4 Water Meter Size	7.48	7.48	7.19	7.17	7.17	6.84	6.84	6.84	6.84	6.84
<b>SEWER (Outside City)</b>										
Rate per 1,000 gallons	\$ 5.65	\$ 5.65	\$ 5.43	\$ 5.36	\$ 5.36	\$ 5.10	\$ 5.10	\$ 5.10	\$ 5.10	\$ 5.10
Customer Service Charge 5/8 x 3/4 Water Meter Size	11.22	11.22	10.79	10.75	10.75	10.26	10.26	10.26	10.26	10.26

<sup>1</sup> Electric rates were tiered effective fiscal year 2012.

<sup>2</sup> Water rates were tiered effective fiscal year 2006.

<sup>3</sup> 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 YEARS<sup>1</sup>**

	FY 2015	FY 2014	FY 2013	FY 2012	FY 2011
OPERATING INCOME	\$41,883,847	\$27,256,483	\$21,947,648	\$32,747,013	\$27,225,798
ADD:					
Depreciation Expense	28,642,402	27,544,181	26,503,185	22,739,173	27,407,627
Investment & Other Income	815,942	504,537	546,098	654,057	611,866
LESS:					
Interest on Construction Funds	(128,019)	(94,376)	(8,823)	(13,501)	(41,141)
NET AVAILABLE INCOME	\$71,214,172	\$55,210,825	\$48,988,108	\$56,126,742	\$55,204,150
DEBT SERVICE:					
Revenue Bonds Payable Current	\$12,066,000	\$10,100,000	\$8,649,000	\$8,277,000	\$7,856,000
Total Interest Expense	13,538,613	14,275,285	15,310,103	14,399,174	14,829,065
Operating Reserve	-	-	-	-	-
Commercial Paper Interest Expense	13,671	5,929	14,356	39,891	36,668
Capital Improvement Charges	-	-	-	-	-
NET CASH DEBT SERVICE	\$25,618,284	\$24,381,214	\$23,973,459	\$22,716,065	\$22,721,733
DEBT SERVICE COVERAGE (TIMES)	2.78	2.26	2.04	2.47	2.43
	FY 2010	FY 2009	FY 2008	FY 2007	FY 2006
OPERATING INCOME	\$31,287,495	\$22,931,849	\$37,916,668	\$27,381,991	\$31,872,668
ADD:					
Depreciation Expense	24,695,565	23,805,841	22,832,955	21,902,616	25,689,086
Investment & Other Income	829,400	1,789,499	4,054,857	6,732,065	6,350,658
LESS:					
Interest on Construction Funds	(54,790)	(211,610)	(896,336)	(2,436,113)	(2,816,523)
NET AVAILABLE INCOME	\$56,757,670	\$48,315,579	\$63,908,144	\$53,580,559	\$61,095,889
DEBT SERVICE:					
Revenue Bonds Payable Current	\$7,530,000	\$6,779,000	\$7,903,000	\$8,099,000	\$7,775,000
Total Interest Expense	15,186,316	15,216,696	13,681,885	13,468,041	14,114,646
Operating Reserve	-	-	-	-	-
Commercial Paper Interest Expense	34,755	-	814,654	1,520,835	1,398,188
Capital Improvement Charges	-	-	-	-	-
NET CASH DEBT SERVICE	\$22,751,071	\$21,995,696	\$22,399,539	\$23,087,876	\$23,287,834
DEBT SERVICE COVERAGE (TIMES)	2.49	2.20	2.85	2.32	2.62

<sup>1</sup>Excludes Southmost Regional Water Authority

## **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> <sup>(2)</sup>
2013	178,448	415,557
2014	181,860	436,584
2015	183,887	422,156

<sup>(1)</sup> Estimate from US Census Bureau

<sup>(2)</sup> 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.	

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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	7670
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	1227
8	Caring For You Home Health	Medical	1200
9	H-E-B Grocery	Retail	975
10	Maximus	Call Center	950

Source: Brownsville Economic Development Council (May 2015)

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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
2015	183,887	14,124	2,576,411	29.8	63.1% -High School 17.2% -Bachelor's Degree	47,749	7.10%
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%
2006	172,437	11,161	1,924,569	26.7	60% -High School 16.2% -Bachelor's Degree	48,123	6.50%

\*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**

	2015	2014	2013	2012
<b>ELECTRIC</b>				
Generation and Purchases for Resale	\$ 72,523,667	\$ 73,010,092	\$ 58,343,217	\$ 54,353,235
Transmission and Distribution	6,499,004	6,284,873	6,305,706	6,347,120
Administrative and General	21,524,432	20,437,763	20,656,916	18,697,201
Depreciation	14,887,881	14,768,870	14,793,412	13,373,507
Total Electric Operating Expenses	<u>\$ 115,434,984</u>	<u>\$ 114,501,598</u>	<u>\$ 100,099,251</u>	<u>\$ 92,771,063</u>
<b>WATER</b>				
Plant Operations	\$ 5,581,020	\$ 6,397,130	\$ 5,649,170	\$ 4,993,739
Transmission and Distribution	2,901,226	2,743,060	2,565,614	2,514,676
Administrative and General	5,141,431	5,325,225	4,748,131	4,081,484
Depreciation	5,622,967	5,543,534	5,345,962	3,766,336
Total Water Operating Expenses	<u>\$ 19,246,644</u>	<u>\$ 20,008,949</u>	<u>\$ 18,308,877</u>	<u>\$ 15,356,235</u>
<b>WASTEWATER</b>				
Plant Operations	\$ 6,417,406	\$ 6,656,181	\$ 6,138,037	\$ 5,967,684
Transmission and Distribution	1,160,632	920,364	764,006	804,846
Administrative and General	5,502,973	5,431,148	5,171,407	4,696,229
Depreciation	8,131,553	7,231,777	6,363,811	5,599,330
Total Wastewater Operating Expenses	<u>\$ 21,212,564</u>	<u>\$ 20,239,470</u>	<u>\$ 18,437,261</u>	<u>\$ 17,068,089</u>
<b>SOUTHMOST REGIONAL WATER AUTHORITY</b>				
Administration and General	\$ 3,123,518	\$ 2,775,244	\$ 2,970,231	\$ 2,587,656
Depreciation	864,865	864,865	862,860	862,649
Total SRWA Operating Expenses	<u>\$ 3,988,383</u>	<u>\$ 3,640,109</u>	<u>\$ 3,833,091</u>	<u>\$ 3,450,305</u>
<b>TOTAL OPERATING EXPENSES</b>	<u><u>\$ 159,882,575</u></u>	<u><u>\$ 158,390,126</u></u>	<u><u>\$ 140,678,480</u></u>	<u><u>\$ 128,645,692</u></u>
<b>OTHER NONOPERATING REVENUES (EXPENSES)<sup>1</sup></b>	<u><u>\$ (15,646,848)</u></u>	<u><u>\$ (14,391,847)</u></u>	<u><u>\$ (16,689,611)</u></u>	<u><u>\$ (16,906,771)</u></u>

<sup>1</sup> Excludes payments to City of Brownsville

2011	2010	2009	FY 2008	FY 2007	FY 2006
\$ 60,519,100	\$ 64,165,188	\$ 67,454,789	\$ 101,176,542	\$ 67,165,042	\$ 89,266,558
5,464,375	4,624,680	4,611,675	3,920,988	3,486,094	2,497,172
16,918,463	16,366,264	16,376,681	13,236,701	12,397,626	12,030,998
16,331,733	14,662,285	13,961,232	13,622,466	12,647,117	16,357,921
<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>	<u>\$ 120,152,649</u>
\$ 4,707,258	\$ 3,432,591	\$ 3,870,958	\$ 3,122,381	\$ 2,782,802	\$ 2,730,596
2,655,300	2,426,368	2,584,580	2,110,791	1,897,290	1,652,982
3,961,827	3,875,983	3,916,202	5,438,548	5,131,917	4,801,385
3,941,128	4,286,330	4,420,121	4,138,811	3,791,008	3,605,668
<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>	<u>\$ 12,790,631</u>
\$ 6,117,905	\$ 5,539,157	\$ 5,586,811	\$ 5,039,214	\$ 4,116,603	\$ 3,439,993
967,001	1,382,386	1,103,481	1,117,675	930,871	862,280
4,703,383	4,536,291	4,505,516	5,962,321	5,305,607	5,040,621
7,134,766	5,746,950	5,424,488	5,071,678	5,464,491	5,725,496
<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>	<u>\$ 15,068,390</u>
\$ 2,437,963	\$ 2,322,669	\$ 2,727,667	\$ 2,461,614	\$ 2,325,001	\$ 2,303,829
862,355	859,740	857,645	858,151	868,275	774,124
<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>\$ 3,077,953</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>\$ 151,089,623</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>	<u>\$ (13,050,339)</u>

**OPERATING INFORMATION**  
**ELECTRIC ENERGY SOURCES, WATER AND WASTEWATER STATISTICS**  
**LAST TEN YEARS**

	FY 2016	FY 2015	FY 2014	FY 2013
<b>SOURCES OF ENERGY (kWh)</b>				
Total Net Energy Generated	1,231,840,523	806,397,153	921,011,194	924,212,443
Total Energy Purchased	428,953,100	690,167,500	578,306,000	508,341,700
<b>TOTAL SOURCES OF ENERGY</b>	<b>1,660,793,623</b>	<b>1,496,564,653</b>	<b>1,499,317,194</b>	<b>1,432,554,143</b>
Less: System Losses and Inadvertent Energy (kWh)	(22,449,897)	(25,996,837)	(27,903,614)	(27,070,226)
Net Available for Sale (kWh)	1,638,343,726	1,470,567,816	1,471,413,580	1,405,483,917
Sales for Resale (kWh)	(316,499,025)	(29,993,800)	(12,239,700)	(5,915,000)
<b>NET ENERGY FOR LOAD</b>	<b>1,321,844,701</b>	<b>1,440,574,016</b>	<b>1,459,173,880</b>	<b>1,399,568,917</b>
<b>WATER STATISTICS</b>				
<b>Water Production - 1,000 Gallons</b>				
Raw Water Treated	5,301,156	5,216,966	5,888,490	6,611,306
Raw Water Used in Plant	(160,738)	(235,716)	(54,450)	(398,363)
<b>Surface Water Treated</b>	<b>5,140,418</b>	<b>4,981,250</b>	<b>5,834,040</b>	<b>6,212,943</b>
SRWA (Purchased Water)*	2,317,634	2,092,497	1,816,125	1,963,421
<b>Water Pumped to City</b>	<b>7,458,052</b>	<b>7,073,747</b>	<b>7,650,165</b>	<b>8,176,364</b>
Water Sales	6,392,340	6,055,349	6,636,736	7,251,194
Other Unmetered Usage	130,685	89,772	208,500	227,400
Losses and Unaccounted for Gallonage	935,027	928,626	804,929	697,770
<b>Thousand Gallons to System</b>	<b>7,458,052</b>	<b>7,073,747</b>	<b>7,650,165</b>	<b>8,176,364</b>
<b>Unaccounted For</b>	12.54%	13.13%	10.52%	11.32%
Average Daily Consumption	29,222	22,253	21,078	22,334
Peak Maximum Demand (MG)	29	27	29	30
Date	8/10/2016	8/11/2015	8/21/2014	7/3/2013
<b>WASTEWATER STATISTICS</b>				
Annual Demand (1,000 Gals.)	5,580,261	5,916,884	5,047,953	4,799,312
Maximum Day (MG)	32.6	36.2	32.2	29.1

\* FY 2007 through FY 2016 Water Production includes Southmost Regional Water Authority Production.



FY 2012	FY 2011	FY 2010	FY 2009	FY 2008	FY 2007
830,108,370	1,353,750,565	1,577,510,000	1,120,083,000	1,304,850,000	1,174,655,000
704,742,700	429,383,640	378,317,000	528,558,000	181,698,000	224,840,000
1,534,851,070	1,783,134,205	1,955,827,000	1,648,641,000	1,486,548,000	1,399,495,000
-	-	(69,693,000)	(82,039,000)	(67,321,000)	(34,606,000)
1,534,851,070	1,783,134,205	1,886,134,000	1,566,602,000	1,419,227,000	1,364,889,000
(48,313,210)	(245,366,425)	(366,669,000)	(250,127,000)	(84,279,000)	(50,295,000)
1,486,537,860	1,537,767,779	1,519,465,000	1,316,475,000	1,334,948,000	1,314,594,000
6,742,810	7,502,790	7,073,522	8,217,557	7,427,578	6,572,379
(515,470)	(791,199)	(845,261)	(439,663)	(290,178)	(250,170)
6,227,340	6,711,591	6,228,261	7,777,894	7,137,400	6,322,209
2,025,507	1,929,481	1,947,011	1,617,101	1,649,267	1,762,984
8,252,847	8,641,072	8,175,272	9,394,995	8,786,667	8,085,193
7,259,778	7,417,175	6,321,717	7,062,104	6,624,490	6,245,897
98,519	68,577	88,719	44,915	21,809	29,067
894,550	1,155,320	1,764,836	2,287,976	2,140,368	1,810,229
8,252,847	8,641,072	8,175,272	9,394,995	8,786,667	8,085,193
10.84%	13.37%	21.59%	24.35%	24.61%	22.39%
22,541	23,674	22,398	25,740	24,007	22,151
29	30	29	39	33	31
6/18/2012	6/17/2011	4/5/2010	6/16/2009	6/19/2008	6/19/2007
4,885,625	4,992,236	5,522,605	5,052,595	5,154,241	4,966,233
25.9	32.6	38.5	25.5	19.7	26.6



B R O W N S V I L L E  
**PUBLIC UTILITIES BOARD**

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**B R O W N S V I L L E**  
**PUBLIC UTILITIES BOARD**

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