



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

Annual Budget Report

October 1, 2019 - September 30, 2020



Front cover:

1.) September 12, 2019 groundbreaking ceremony for the Administration Building Annex. The Annex Building is expected to open its doors sometime in October of 2021 for the departments of Accounting, Electric Engineering, Energy Control Center Operations, Energy Efficiency & Conservation, Finance, Geographic Information Systems (GIS), Information Technology, Internal Audit, Key Accounts Marketing, SCADA & Electrical Support Services, and Water & Wastewater Engineering.

Brownsville Public Utilities Board

A Component Unit of the City of Brownsville, Texas

ANNUAL BUDGET REPORT

October 1, 2019 - September 30, 2020

Prepared by
Finance Department

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OVERVIEW



BOARD OF DIRECTORS

As of October 1, 2019

Anna E. Oquin	Chair
Jude A. Benavides, Ph.D.....	Vice-Chair
Sandra Lopez-Langley	Secretary/Treasurer
Timothy Lopes	Member
Armando Magallanes	Member
Sandra Saenz	Member
Mayor Juan “Trey” Mendez III.....	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

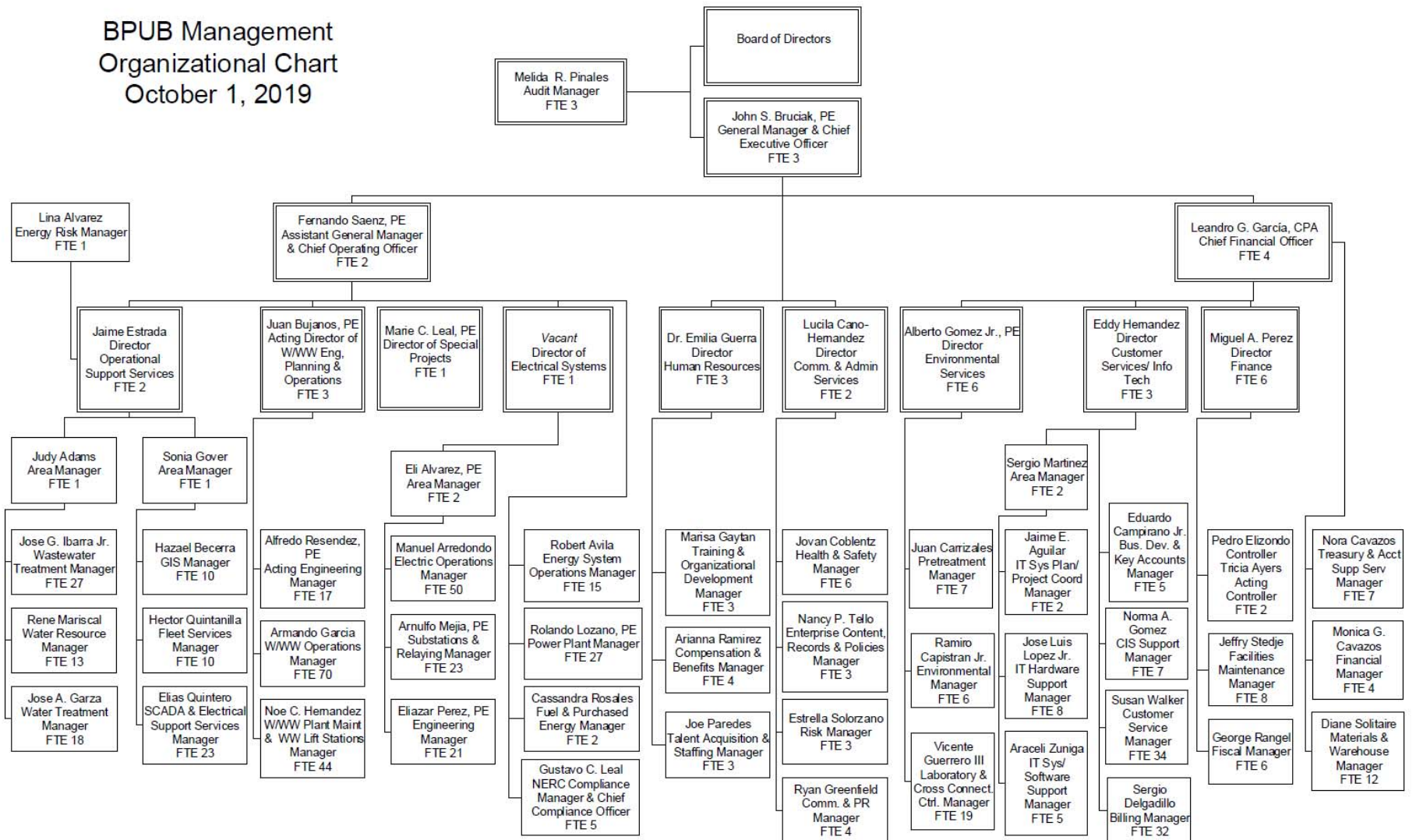
Brownsville, Texas 78520

Telephone: 956-548-6000

CITY COMMISSION

Juan “Trey” Mendez III.	Mayor
John Cowen Jr.....	Commissioner, At-Large "A"
Rose M.Z. Gowen, M.D.....	Commissioner, At-Large "B"
Nurith Galonsky Pizana.	Commissioner, District 1
Jessica Tetreau-Kalifa.....	Commissioner, District 2
Joel Munguia.....	Commissioner, District 3
Ben Neece	Commissioner, District 4

BPUB Management Organizational Chart October 1, 2019



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 2016	FY 2017	FY 2018	FY 2019	FY 2020	Change from FY 2019 to FY 2020
1110	General Manager	3	3	3	3	3	0
1120	Internal Audit	3	3	3	3	3	0
1130	Communications & Admin Svc	2	2	2	2	2	0
1135	Communications & Public Relations	4	4	4	4	4	0
1140	Training and Organizational Develop	3	3	3	3	3	0
1165	Records Management	2	2	3	3	3	0
1440	Health & Safety	6	6	6	6	4	-2
7120	Risk/Insurance Management	2	2	2	2	3	1
7140	Human Resources	6	2	2	2	3	1
7145	Talent Acquisition and Staffing	3	3	4	4	3	-1
7155	Compensation & Benefits	0	4	4	4	4	0
7165	Security Operations	0	0	0	0	2	2
	TOTAL	34	34	36	36	37	1

Note:

Changes in personnel counts from FY 2019 to FY 2020 are due to interdepartmental transfers as well as the addition of seven new positions.

Assistant General Manager & Chief Operating Officer

Fernando Saenz, P.E.

**W/WW Engineering,
Planning & Operations**

Juan Bujanos
Acting Director

Electrical Systems

Vacant
Director

**Operational Support
Services**

Jaime Estrada
Director

Special Projects

Marie Leal
Director

NERC Compliance

Gustavo C. Leal
Manager

Final Approved Positions

Department	Department Name	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Change from FY 2019 to FY 2020
1145	Electrical Systems	3	3	3	3	3	0
2120	Substations & Relaying	24	24	24	24	23	-1
2130	Elec. T&D Construction & Maintenance	28	28	28	50	50	0
2140	Elec. T&D Maintenance	22	22	22	0	0	0
2150	Energy Control Center Operations	15	15	15	15	15	0
2210	SCADA & Elec. Support Services	19	19	22	23	23	0
2220	Power Production	27	27	27	27	27	0
2310	Electric Meter Shop	8	8	8	8	8	0
2410	Electric Engineering	14	14	14	13	13	0
3110	W/WW Eng. Planning & Operations	2	2	2	2	3	1
3120	Water Plant I	10	10	10	10	10	0
3130	Water Plant II	8	8	8	8	8	0
3135	Resaca Maintenance	17	17	9	9	9	0
3140	Raw Water Supply	4	4	4	4	4	0
3145	W/WW Plant Maintenance	13	13	13	13	12	-1
3150	W/WW Operations & Construction	67	67	67	67	70	3
3210	South WW Treatment Plant	10	10	10	8	9	1
3220	Robindale WW Treatment Plant	11	11	17	11	10	-1
3225	W/WW Sludge Management	0	0	0	8	8	0
3230	Wastewater Lift Stations	35	35	34	34	32	-2
3310	W/WW Engineering	16	16	16	16	17	1
4105	Operations	2	2	2	2	3	1
4110	Energy Risk Management	1	2	1	1	1	0
4210	NERC Compliance	5	5	5	5	5	0
4220	Fuel & Purchased Energy Supply	2	1	2	2	2	0
4310	Operational Support Services	4	4	4	4	4	0
7135	Geographic Information Systems	11	11	10	10	10	0
7150	Fleet Management	10	10	10	10	10	0
	TOTAL	388	388	387	387	389	2

Note:

Changes in personnel counts from FY 2019 to FY 2020 are due to interdepartmental transfers as well as the addition of seven new positions.

Chief Financial Officer

Leandro G. Garcia, CPA

**Customer &
Information Services**

Eddy Hernandez
Director

Environmental Services

Alberto Gomez
Director

Accounting

Miguel A. Perez
Director of Finance

Finance

Monica Garza Cavazos
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 2016	FY 2017	FY 2018	FY 2019	FY 2020	Change from FY 2019 to FY 2020
1125	Key Account Marketing	5	5	4	4	4	0
1410	Environmental Services	4	5	5	5	6	1
1420	Environmental Compliance	6	6	6	6	6	0
1422	Analytical Lab	16	16	16	16	16	0
1430	Pre-treatment	12	11	8	8	7	-1
1435	Cross Connection Control	0	0	3	3	3	0
5110	Finance	8	7	7	7	9	2
5120	Accounting	15	16	16	17	17	0
5130	Purchasing	7	7	7	7	7	0
5140	Revenue Recovery	3	3	3	3	3	0
6105	Customer & Information Services	3	3	3	3	3	0
6110	Customer Service	14	14	13	14	14	0
6115	Collections	4	4	4	4	4	0
6120	Billing	8	7	8	9	9	0
6125	Call Center	11	11	12	12	12	0
6130	Meter Services	9	10	10	9	9	0
6135	CIS Support	3	3	3	3	3	0
6145	Energy Efficiency & Conservation	1	1	1	1	1	0
6150	Meter Reading	15	15	14	14	14	0
6160	Cashiers	9	9	9	8	8	0
7130	Information Technology	17	17	18	17	17	0
7160	Facility Maintenance	4	4	4	4	4	0
7170	Warehouse	6	6	6	6	5	-1
7175	Facility Maint-FM 511 Service Yard	0	0	0	0	4	4
9110	Company-wide Expenses	0	2	1	1	0	-1
	TOTAL	180	182	181	181	185	4

Note:

Changes in personnel counts from FY 2019 to FY 2020 are due to interdepartmental transfers as well as the addition of seven new positions.



December 1, 2019

We are pleased to present the Fiscal Year 2020 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 Bond Ordinance Requirements and is comprised of the Revenue Budget, Operations & Maintenance Expense (O&M) Budget, Debt Service and Capital Budget. As required, the document presents a balanced budget (i.e., expenses and transfers do not exceed revenues) of \$222.41 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 to reliably provide essential services and community support through our valued and dedicated workforce.

The Brownsville PUB's FY 2020 Budget supports the Board's strategic goals to be the foundation for our community's future through customer service and community partnership, employee satisfaction and collaboration, environmental stewardship, innovation and continuous improvement, open communication and safety. 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 and practices 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 16, 2019.

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

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

- Operating Subaccount – Fuel Adjustment: The approved budget includes \$18.0 million to serve as a customer bill reduction plan through the maintenance of the Fuel & Purchased Energy Charge at constant monthly levels.
- Pay As You Go (PAYGO) – CIP Funding: The approved budget includes \$10.3 million to fund Capital Improvement Projects with cash.
- Cost of Living Adjustment: The approved budget includes \$1.1 million to fund a 3.25% cost of living increase for all employees.

The budget preparation process and budget preparation calendar are presented in additional detail on pages 27 through 31.

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FY 2020 BUDGET

The Budget for FY 2020 is divided into six major sections:

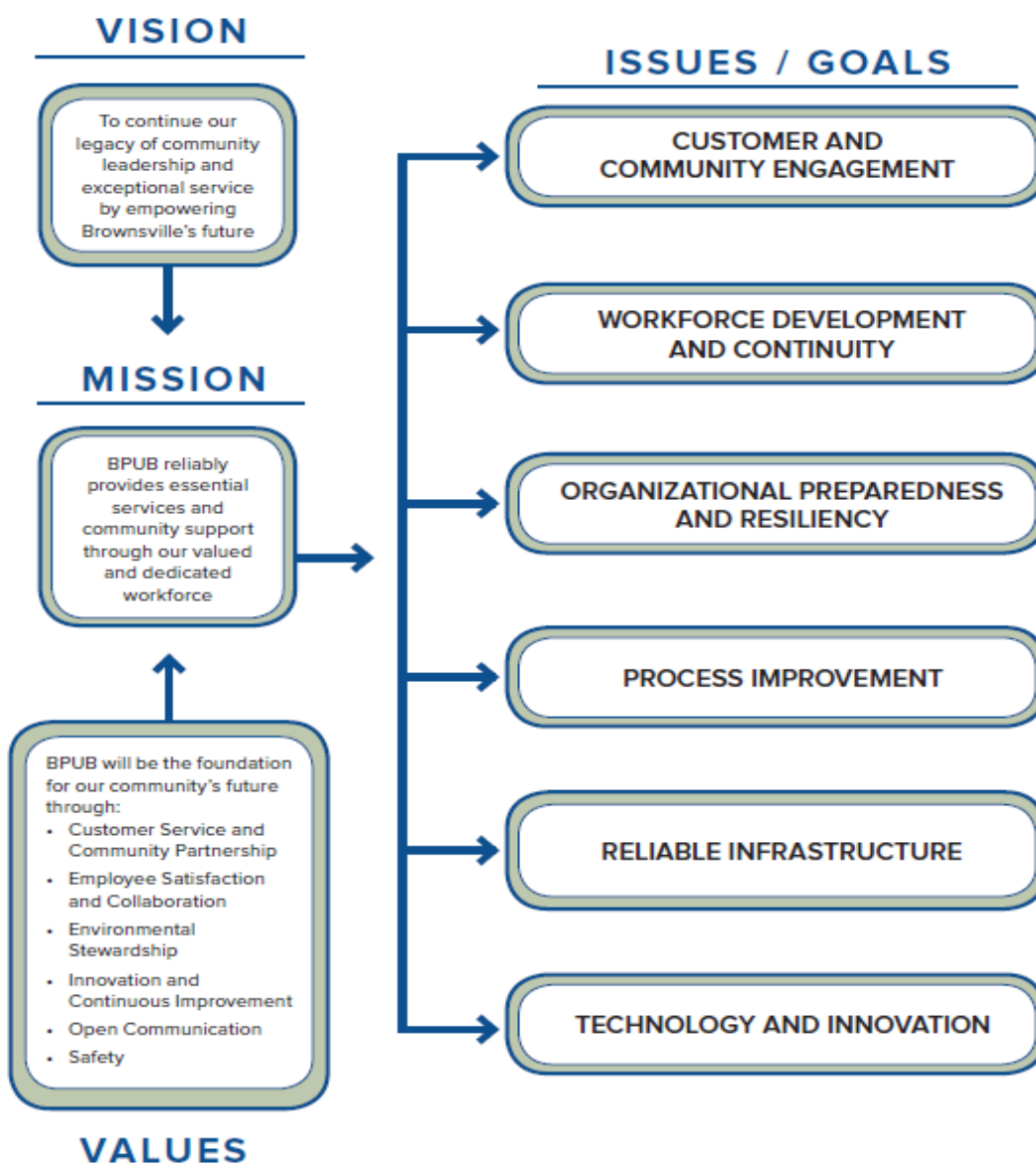
1. **OVERVIEW** – This section includes the following information:
 - a. Organizational Chart
 - b. Summary Letter
 - c. GFOA Distinguished Budget Presentation Award for FY Beginning 10/1/18
 - d. Budget Program
 - e. Budget Preparation Process & Procedures
 - f. Budget Preparation Calendar
 - g. Significant Financial Program Components
 - h. Total Combined Utility Requirements Chart
 - i. FY 2020 Uses of Funds Chart
 - j. FY 2020 Requirements as a Percent of Total Budget Chart
 - k. Budget Recap FY 2020 Revenues
 - l. FY 2020 Revenues - Utility Percent by Revenue Type Chart
 - m. O&M Expenses Recap by Type FY 2010 – FY 2020
 - n. O&M Expenses Recap by Account FY 2015 – FY 2020
 - o. O&M Expenses Recap by Department & Type – FY 2020
 - p. O&M Expenses Recap by Department FY 2016 – FY 2020
 - q. O&M Expenses Recap by Department FY 2020 Budget
 - r. FY 2020 Approved Budgeted Number of Positions by Division/Organization
 - s. Net Position Computation of Change in Net Position and Funds Available for Capital and Reserve Funds
 - t. Unit Sales Statistics
 - u. Outstanding Debt
 - v. Outstanding Principal Debt through Maturity - Graph
 - w. Debt Service
 - x. 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

During 2019, Brownsville PUB developed its 2019-2024 Strategic Plan to identify the key issues that would influence the utility's efforts over the next five years. The updated 2019-2024 Strategic Plan was adopted by the Board in September 2019. The new plan supports BPUB's legacy of community leadership and exceptional service.

Brownsville PUB's Strategic Plan continues to promote strategies regarding our customers and community, the workforce, processes improvement and reliable infrastructure that continue to be important areas in which to focus the utility's efforts. The issues identified in the 2019-2024 Strategic Plan will support Brownsville PUB's Mission Statement to reliably provide essential services and community support through our valued and dedicated workforce.

The following table summarizes each of Brownsville PUB's six priority issues/goals as identified in the Strategic Plan for implementation.



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 2019 and prior years, and other pertinent records of operations.

Projected unit sales are as follows:

	Budget FY 2019	UNAUDITED Year End FY 2019	Percent Difference	Approved FY 2020	Percent Difference FY 2020 vs UNAUDITED Year End FY 2019
Electric (kWh)	1,345,341,703	1,321,332,362	-1.78%	1,328,512,925	0.54%
Water (1,000 gallons)	6,694,277	6,334,788	-5.37%	6,509,389	2.76%
Wastewater (1,000 gallons)	4,616,121	4,433,368	-3.96%	4,541,650	2.44%

REVENUES

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

	Budget FY 2019	UNAUDITED Year End FY 2019	Percent Difference	Approved FY 2020	Percent Difference FY 2020 vs UNAUDITED Year End FY 2019
Electric	\$ 151,044,597	\$ 151,971,201	0.61%	\$ 149,908,395	-1.36%
Water	25,734,608	24,757,177	-3.80%	25,160,647	1.63%
Wastewater	23,593,845	22,528,933	-4.51%	23,336,960	3.59%
Total Sales Revenues	<u>\$ 200,373,050</u>	<u>\$ 199,257,311</u>	-0.56%	<u>\$ 198,406,002</u>	-0.43%

The schedule below summarizes total revenues by general category:

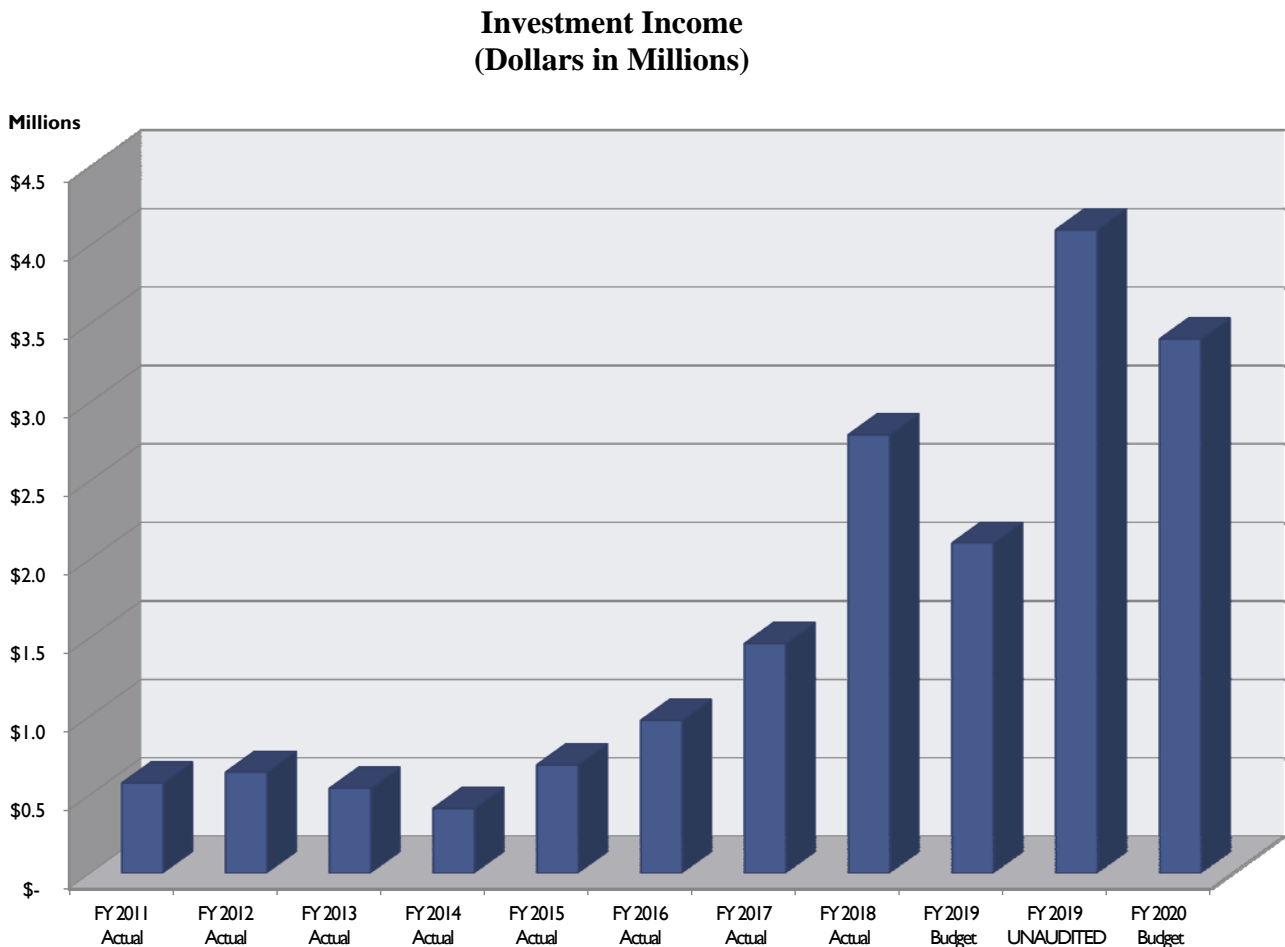
	Approved Budget FY 2020	Percent of Total	Approved Budget FY 2019	Percent of Total
Sales & Service To Customers	\$ 198,406,002	89.21%	\$ 200,373,050	89.77%
Off-System Sales Revenue	8,250,000	3.71%	8,250,000	3.70%
Interest From Investments	3,400,000	1.53%	2,100,000	0.94%
Other Operating & Non-Operating Revenues	12,349,108	5.55%	12,473,848	5.59%
Total Revenues	<u>\$ 222,405,110</u>	<u>100.00%</u>	<u>\$ 223,196,898</u>	<u>100.00%</u>

Projected electric unit sales in kilowatt hours are expected to increase in FY 2020 from FY 2019 unaudited Year-end by 0.54%. Comparing the approved FY 2020 vs approved FY 2019 sales revenue budget, electric base and fuel revenues are expected to decrease by 0.8%.

FY 2019 unaudited year-end water revenues were 3.80% lower than FY 2019 approved budget projections. Compared to budgeted water revenues for FY 2019, water revenues for FY 2020 are expected to decrease by 2.2%. Wastewater revenues will decrease by 1.1% for FY 2020 approved budget compared to FY 2019 approved budget.

Investment Income

The following chart illustrates actual and budgeted utility investment earnings over the past several fiscal years. Investment income which is conservatively projected based on projected investment balances is expected to decrease in FY 2020 vs actual unaudited FY 2019 and increase vs budgeted FY 2019.



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

RATES

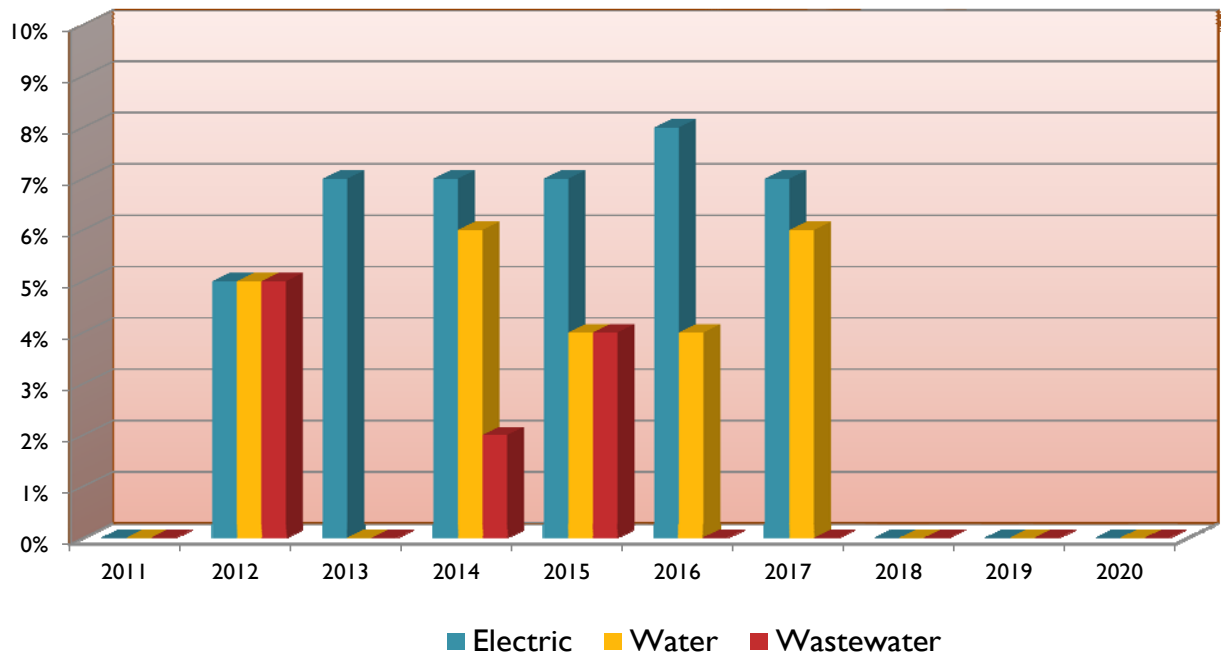
While affordability is always a concern, the rate increases implemented in previous years allow the Brownsville PUB to continue investing in core service areas including energy reliability, water quality and wastewater treatment services.

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
2020	-	-	-
2019	-	-	-
2018	-	-	-
2017 ⁵	7.0%	6.0%	-
2016 ⁴	8.0%	4.0%	-
2015 ³	7.0%	4.0%	4.0%
2014 ²	7.0%	6.0%	2.0%
2013 ¹	7.0%	-	-
2012	5.0%	5.0%	5.0%
2011	-	-	-

⁵ Effective October 1, 2016

⁴ Effective October 1, 2015

³ Effective October 1, 2014

² Effective October 1, 2013

¹ Effective April 1, 2013

Residential Bill Averages

Utility Service	Average Consumption	September 2017	September 2018	September 2019
Electric	1,000 kWh	\$ 102.00	\$ 102.00	\$ 102.00
Water	10,000 gallons	\$ 33.84	\$ 33.84	\$ 33.84
Wastewater	8,000 gallons	\$ 35.25	\$ 35.25	\$ 35.25

OPERATIONS & MAINTENANCE EXPENSE BUDGET

PERSONNEL

The FY 2020 Personnel Budget includes seven new positions and five reclassified positions compared to the Original FY 2019 Budget. The reclassifications did not increase or decrease the total position count as approved in the FY 2019 Budget.

The following is a summary of FY 2019 changes:

POSITIONS APPROVED FOR FY 2019 BUDGET 604

FY 2019 Deletions:

<u>Department</u>	<u>Department #</u>	
Accounting	5120	-1
Health & Safety	1440	-2
Wastewater Lift Stations	3230	-2
	Subtotal	<u>-5</u>

FY 2019 Additions:

<u>Department</u>	<u>Department #</u>	
Finance	5110	1
Risk/Insurance Management	7120	1
Security Operations	7165	1
W&WW Eng, Planning & Operations	3110	1
Water & Wastewater Engineering	3310	1
	Subtotal	<u>5</u>

<u>New Positions by Department</u>	<u>Department #</u>	
Facility Maintenance-FM511 Svc Yard	7175	4
Security Operations	7165	1
W/WW Operations & Construction	3150	2
	Subtotal	<u>7</u>

POSITIONS APPROVED FOR FY 2019 BUDGET 604

ADDITIONAL POSITIONS APPROVED 7

POSITIONS APPROVED FOR FY 2020 BUDGET 611

The number of temporary full-time employees for FY 2020 is currently at 12 as illustrated on a separate schedule on page 17.

The approved Personnel Budget for FY 2019 totaled \$41,561,239, an increase of \$609,390 as compared to actual Personnel Budget expenses for FY 2018.

The approved Personnel Budget for FY 2020 totals \$43,485,219, an increase of \$1,923,980 or 4.63% from the Approved FY 2019 Personnel Budget.

NUMBER OF FULL-TIME POSITIONS

DEPARTMENT	FINAL FY 2016	FINAL FY 2017	FINAL FY 2018	FINAL FY 2019	APPROVED FY 2020
1110 GENERAL MANAGER	3	3	3	3	3
1120 INTERNAL AUDIT	3	3	3	3	3
1125 KEY ACCOUNT MARKETING	5	5	4	4	4
1130 COMMUNICATIONS & ADMINISTRATIVE SVC	2	2	2	2	2
1135 COMMUNICATIONS & PUBLIC RELATIONS	4	4	4	4	4
1140 TRAINING AND ORGANIZATIONAL DEVELOP	3	3	3	3	3
1150 BOARD OF DIRECTORS	-	-	-	-	-
1165 RECORDS MANAGEMENT	2	2	3	3	3
1410 ENVIRONMENTAL SERVICES	4	5	5	6	6
1440 HEALTH & SAFETY	6	6	6	6	4
4105 OPERATIONS	2	2	2	3	3
4310 OPERATIONAL SUPPORT SERVICES	2	2	2	3	3
5110 FINANCE	8	7	7	8	9
5120 ACCOUNTING	15	16	16	18	17
5130 PURCHASING	7	7	7	7	7
7120 RISK/INSURANCE MANAGEMENT	2	2	2	2	3
7130 INFORMATION TECHNOLOGY	17	17	18	17	17
7135 GIS	11	11	10	10	10
7140 HUMAN RESOURCES	6	2	2	3	3
7145 TALENT ACQUISITION AND STAFFING	3	3	4	3	3
7150 FLEET MANAGEMENT	10	10	10	10	10
7155 COMPENSATION & BENEFITS	-	4	4	4	4
7160 FACILITY MAINTENANCE	4	4	4	4	4
7165 SECURITY OPERATIONS	-	-	-	-	2
7170 WAREHOUSE	6	6	6	5	5
7175 FACILITY MAINTENANCE-FM511 SVC YARD	-	-	-	-	4
9110 COMPANY-WIDE EXPENSES	-	-	-	-	-
TOTAL ADMINISTRATIVE	125	126	127	131	136
5140 REVENUE RECOVERY	3	3	3	3	3
6105 CUSTOMER & INFORMATION SERVICES	3	3	3	3	3
6110 CUSTOMER SERVICE	14	14	13	14	14
6115 COLLECTIONS	4	4	4	4	4
6120 BILLING	8	7	8	9	9
6125 CALL CENTER	11	11	12	12	12
6130 METER SERVICES	9	10	10	9	9
6135 CIS SUPPORT	3	3	3	3	3
6150 METER READING	15	15	14	14	14
6160 CASHIERS	9	9	9	8	8
TOTAL CUSTOMER SERVICE	79	79	79	79	79

NUMBER OF FULL-TIME POSITIONS (Continued)

DEPARTMENT	FINAL FY 2016	FINAL FY 2017	FINAL FY 2018	FINAL FY 2019	APPROVED FY 2020
1145 ELECTRICAL SYSTEMS	3	3	3	3	3
1420 ENVIRONMENTAL COMPLIANCE	6	6	6	6	6
2120 SUBSTATIONS & RELAYING	24	24	24	23	23
2130 ELEC TRANS & DIST CONSTRUCTION & MAINT.	28	28	28	50	50
2140 ELEC TRANS & DIST MAINTENANCE	22	22	22	-	-
2150 ENERGY CONTROL CENTER OPERATIONS	15	15	15	15	15
2210 SCADA & ELECTRICAL SUPPORT SERVICES	19	19	22	23	23
2220 POWER PRODUCTION	27	27	27	27	27
2310 ELECTRIC METER SHOP	8	8	8	8	8
2410 ELECTRIC ENGINEERING	14	14	14	13	13
4110 ENERGY RISK MANAGEMENT	1	1	1	1	1
4210 NERC COMPLIANCE	5	5	5	5	5
4220 FUEL & PURCHASED ENERGY SUPPLY	2	2	2	2	2
6145 ENERGY EFFICIENCY & CONSERVATION	1	1	1	1	1
TOTAL ELECTRIC	175	175	178	177	177
1422 ANALYTICAL LAB	16	16	16	16	16
1430 PRE-TREATMENT	12	8	8	7	7
1435 CROSS CONNECTION CONTROL	-	3	3	3	3
3110 W&WW ENG, PLANNING & OPERATIONS	2	2	2	2	3
3120 WATER PLANT I	10	10	10	10	10
3130 WATER PLANT II	8	8	8	8	8
3135 RESACA MAINTENANCE	17	17	9	9	9
3140 RAW WATER	4	4	4	4	4
3145 W/WW PLANT MAINTENANCE	13	13	13	12	12
3150 W/WW OPERATIONS & CONSTRUCTION	67	67	67	68	70
3210 SOUTH WASTEWATER TREAT PLANT	10	10	10	9	9
3220 ROBINDALE WASTEWATER TREAT PLANT	11	11	17	10	10
3225 W/WW SLUDGE MANAGEMENT	-	-	-	8	8
3230 WASTEWATER LIFT STATIONS	35	35	34	34	32
3310 WATER & WASTEWATER ENGINEERING	16	16	16	16	17
4310 OPERATIONAL SUPPORT SERVICES	2	2	2	1	1
9110 COMPANY-WIDE EXPENSES	-	2	1	-	-
TOTAL WATER AND WASTEWATER	223	224	220	217	219
OVERALL TOTAL NO. OF POSITIONS	602	604	604	604	611

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NUMBER OF TEMPORARY FULL-TIME POSITIONS

DEPARTMENT	FINAL FY 2016	FINAL FY 2017	FINAL FY 2018	FINAL FY 2019	APPROVED FY 2020
1110 GENERAL MANAGER	-	-	-	-	-
1135 COMMUNICATIONS & PUBLIC RELATIONS	-	-	1	-	-
1165 RECORDS MANAGEMENT	1	1	-	1	1
1440 HEALTH & SAFETY	-	-	1	-	-
5120 ACCOUNTING	1	1	-	-	-
5130 PURCHASING	-	-	-	1	1
7120 RISK/INSURANCE MANAGEMENT	1	1	-	-	-
7130 INFORMATION TECHNOLOGY	-	-	-	2	2
7145 TALENT ACQUISITION AND STAFFING	-	-	1	-	-
7155 COMPENSATION & BENEFITS	-	-	-	1	1
7160 FACILITY MAINTENANCE	-	-	-	1	1
7170 WAREHOUSE	-	-	-	1	1
TOTAL ADMINISTRATIVE	3	3	3	7	7
6115 COLLECTIONS	-	-	1	-	-
6135 CIS SUPPORT	-	-	-	1	1
6150 METER READING	3	3	1	1	1
6160 CASHIERS	1	1	-	-	-
TOTAL CUSTOMER SERVICE	4	4	2	2	2
2120 SUBSTATIONS AND RELAYING	-	-	-	2	2
2130 ELEC TRANS & DIST CONSTRUCTION & MAINTENANCE	4	4	-	-	-
2220 POWER PLANT	-	-	1	-	-
2410 ELECTRIC ENGINEERING	-	-	-	1	1
4210 NERC COMPLIANCE	-	-	-	-	-
TOTAL ELECTRIC	4	4	1	3	3
3135 RESACA MAINTENANCE	1	1	1	-	-
TOTAL WATER AND WASTEWATER	1	1	1	-	-
OVERALL TOTAL NO. OF TEMPORARY POSITIONS	12	12	7	12	12

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.

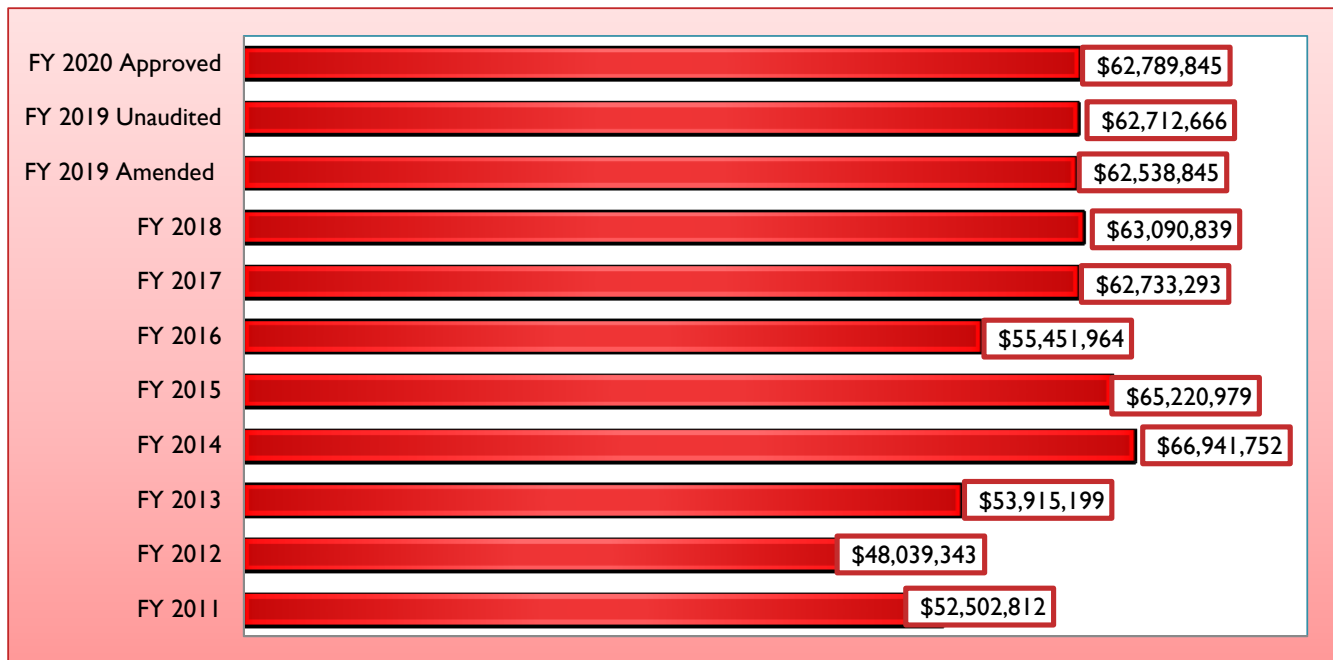
OPERATIONS & MAINTENANCE EXPENSES

The total O&M Budget for FY 2020 is \$157,559,677, an increase of \$818,371 or 0.52% from the amended FY 2019 Budget.

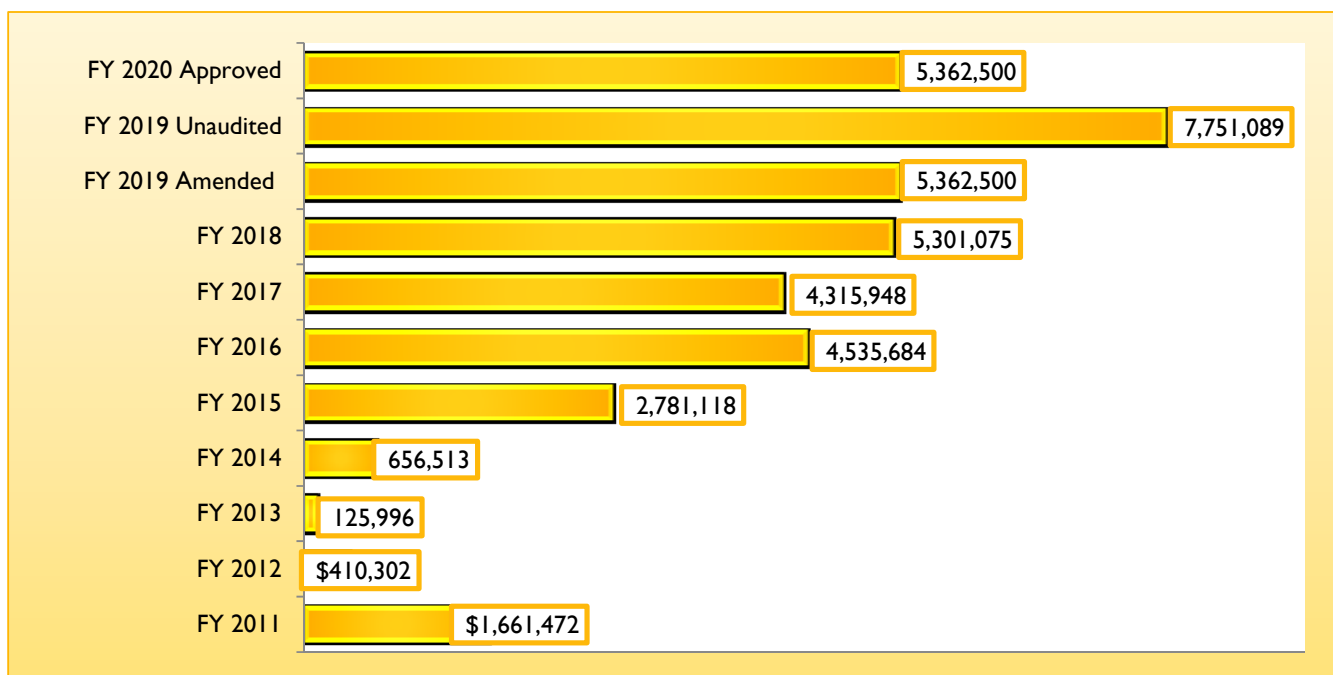
The following table summarizes O&M expenses by major classifications:

Expense Classification	Amended Budget FY 2019	Unaudited FY 2019	Percent Used: Unaudited '19 vs Amended Budget '19	Approved Budget FY 2020	Percent Budget Variance: Approved '20 vs Unaudited '19
Fuel & Energy Costs	\$ 62,538,845	\$ 62,712,666	100.28%	\$ 62,789,845	0.12%
Off-system Sales Expenses	5,362,500	7,751,089	144.54%	5,362,500	-30.82%
SRWA Obligations	5,953,229	5,953,229	100.00%	5,899,247	-0.91%
Personnel Services	41,561,239	45,018,656	108.32%	43,485,219	-3.41%
Non-personnel Expenses	40,825,493	31,774,290	77.83%	39,522,866	24.39%
Maintenance Pool Account	500,000	335,462	67.09%	500,000	49.05%
Overall Total:	<u>\$ 156,741,306</u>	<u>\$ 153,545,392</u>	<u>97.96%</u>	<u>\$ 157,559,677</u>	<u>2.61%</u>

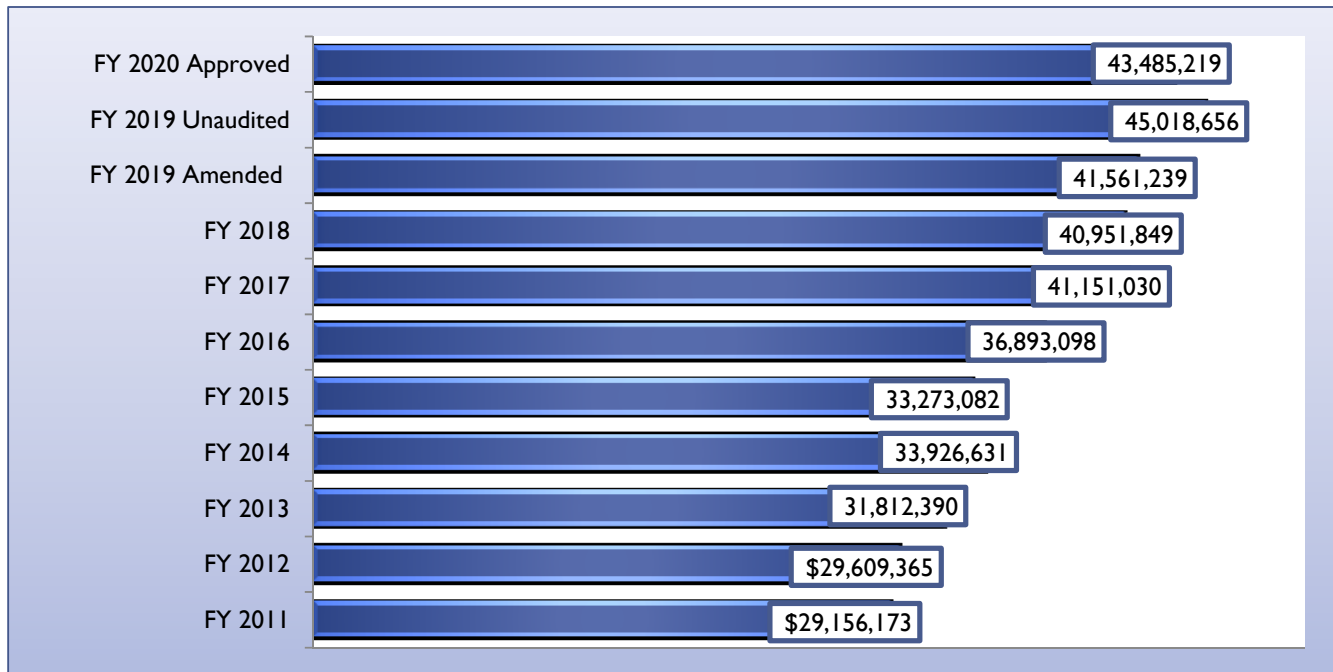
The following chart illustrates the cost of fuel and purchased energy to meet electric demand over the last several years. In FY 2011, Brownsville PUB had a total cost of \$52.50 million. The Approved FY 2020 Fuel & Energy Cost Budget is \$62.79 million. The 10-year history reflects an average increase of 1.96% per fiscal year.



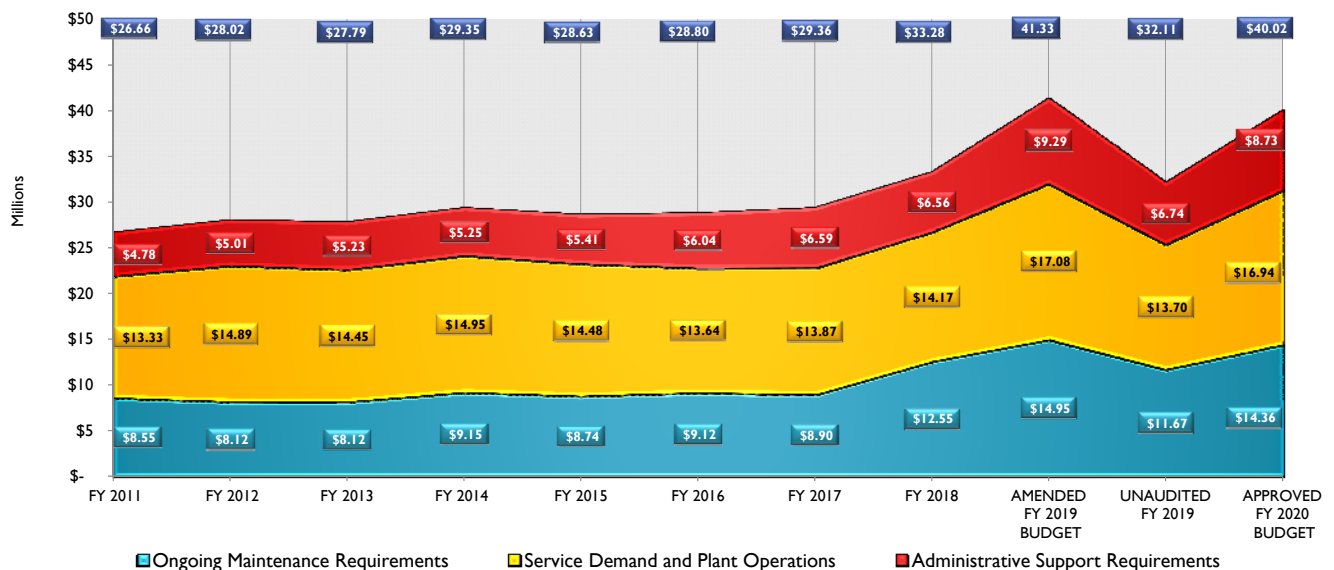
The following chart illustrates how the cost of off-system sales has fluctuated over the last ten years. In FY 2011, Brownsville PUB had a total cost of \$1.66 million. The Approved FY 2020 Off-System Sales Expenses Budget is \$5.36 million. The 10-year history represents an average increase of 22.28% per fiscal year.



The following chart illustrates how the cost of personnel services has increased over the last several years. In FY 2011, Brownsville PUB had a total O&M personnel cost of \$29.16 million. The Approved FY 2020 O&M Personnel Budget is estimated at \$43.49 million. The \$2.11 million average yearly change is a result of added positions, market pay adjustments, promotions, health insurance, retirement, and other personnel benefit changes. This change averages 4.91% 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.



Note: Service Demand and Plant Operations data for FY 2012, 2013, 2014 and 2015 have been restated.

DEBT SERVICE

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

The Brownsville PUB continues to have insured bond ratings from the national rating agencies. Standard & Poor's Ratings Services, a division of The McGraw-Hill Companies, Inc., has assigned short term insured ratings of AA. 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, 2019 and 2018 were \$237,375,000 and \$278,350,000 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 3.38 and 3.15 times at September 30, 2019 and 2018, respectively.

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.

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 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.

On June 20, 2018, the Brownsville PUB issued \$14,000,000 in Utilities System Revenue Refunding Bonds, Series 2018. The bonds provided proceeds to refund \$340,000 of Series 2007 Junior Lien Revenue Bonds, \$9,585,000 of Series 2008 Revenue Refunding Bonds and \$5,055,000 of Series 2012 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 were "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 2019 and 2018 contributions to the SRWA were \$5,553,229 and \$5,934,637 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.

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

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

On April 1, 2017, the SRWA issued \$9,255,000 in Water Supply Contract Revenue Refunding Bonds, Series 2017. The refunding bonds had a closing date of April 18, 2017 and the proceeds plus the bond premium were used to defease \$9,715,000 of the Series 2006 Water Supply Contract Revenue Refunding Bonds for the years 2020 through 2032.

SUMMARY OF DEBT SERVICE REQUIREMENTS

	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	UNAUDITED ACTUAL FY 2019	BUDGET FY 2020
Principal	\$ 12,173,000	\$ 12,914,000	\$ 13,284,485	\$ 13,414,301	\$ 14,545,000
Interest	13,765,858	12,863,808	12,510,790	12,352,429	11,308,110
Total	<u>\$ 25,938,858</u>	<u>\$ 25,777,808</u>	<u>\$ 25,795,275</u>	<u>\$ 25,766,730</u>	<u>\$ 25,853,110</u>

Commercial Paper for FY 2020 will incur \$472,500 of interest expense.

DEBT SERVICE COVERAGE RATIO

The Debt Service Coverage Ratio is estimated at 3.38 times for Year-end FY 2019, compared to 2.53 in the Amended FY 2019 Budget and 2.47 times budgeted for FY 2020. The Brownsville PUB's minimum coverage is 1.25 times per current bond covenants.

CAPITAL BUDGET

The Board adopted the FY 2020 Capital Budget on September 16, 2019.

The FY 2020 Capital Budget totals \$96,682,313 which is \$22,906,767 more than the Brownsville PUB approved FY 2019 Budget of \$73,775,546. The BPUB's five-year capital needs increased from \$202.05 million for FY 2019 to \$226.91 million for FY 2020 for a total increase of \$24.86 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 216. 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 2020 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 2020, 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 2020 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 2020 Capital Budget for the electric system include completion of a 69KV to 138KV substation at the Silas Ray Plant site, a new 56 MVA distribution substation, and the construction of a new administration building annex.

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

Major wastewater collection system improvements underway include the upgrade of the headworks grit system at the south treatment plant and design of a north regional lift station and force main system.

The capital plan also includes rehabilitations and replacements of lift stations located throughout the system.

A recap of all the sources of funding for the Capital Budget can be found on page 216.

The Brownsville PUB will use a combination of internally generated cash, grants, contributions-in-aid-of-construction, impact fees, and short term debt obligations to fund the Capital Budget during FY 2020.

Capital projects are discussed in additional detail on pages 222 through 359.

The following table illustrates major expenditures that account for 55.77% of the total approved FY 2020 Capital Budget.

**HIGHLIGHTS OF THE APPROVED FISCAL YEAR 2020
CAPITAL IMPROVEMENT PLAN (CIP)**

UTILITY	PROJECT DESCRIPTION	APPROVED BUDGET
ELECTRIC		
	Rio Grande Distribution Substation Upgrade, 69KV to 138 KV	\$ 1,802,949
	Electric Utility Improvements for Airport Passenger Terminal Expansion Project	1,100,000
	Trouble Calls & Service Increases	1,172,210
	New Subdivisions	1,080,714
	New Connections	804,379
	UTILITY TOTAL:	\$ 5,960,252
WATER		
	EST No. 8 - Two Million Gallon Elevated Storage Tank to Replace the Southmost Elevated Storage Tank	\$ 3,890,720
	16-inch Waterline Loop from Lago Vista to W. Alton Gloor Blvd	2,364,532
	New Raw Water River Intake Facility	1,200,000
	New Connections	784,596
	UTILITY TOTAL:	\$ 8,239,848
WASTEWATER		
	Lift Station Rehabilitations and Replacements	\$ 6,213,698
	Upgrade of Headworks Grit System at South Treatment Plant	2,355,205
	Aerobic Digester Blowers at Robindale Treatment Plant	815,010
	UTILITY TOTAL:	\$ 9,383,913
GENERAL		
	Construction of an Annex Administration Building	\$ 20,281,000
	Completion of a new Service Center (FM 511)	5,132,435
	New Service Center (FM 511) furniture fixtures and equipment	1,480,090
	UTILITY TOTAL:	\$ 26,893,525
VEHICLES AND OTHER EQUIPMENT		
	All Vehicles	\$ 2,363,961
	Other Equipment & Computers	1,081,512
	TOTAL:	\$ 3,445,473
	GRAND TOTAL:	\$ 53,923,011
		\$ 96,682,313 *
		55.77%

* Includes \$42.8 million in numerous additional projects.

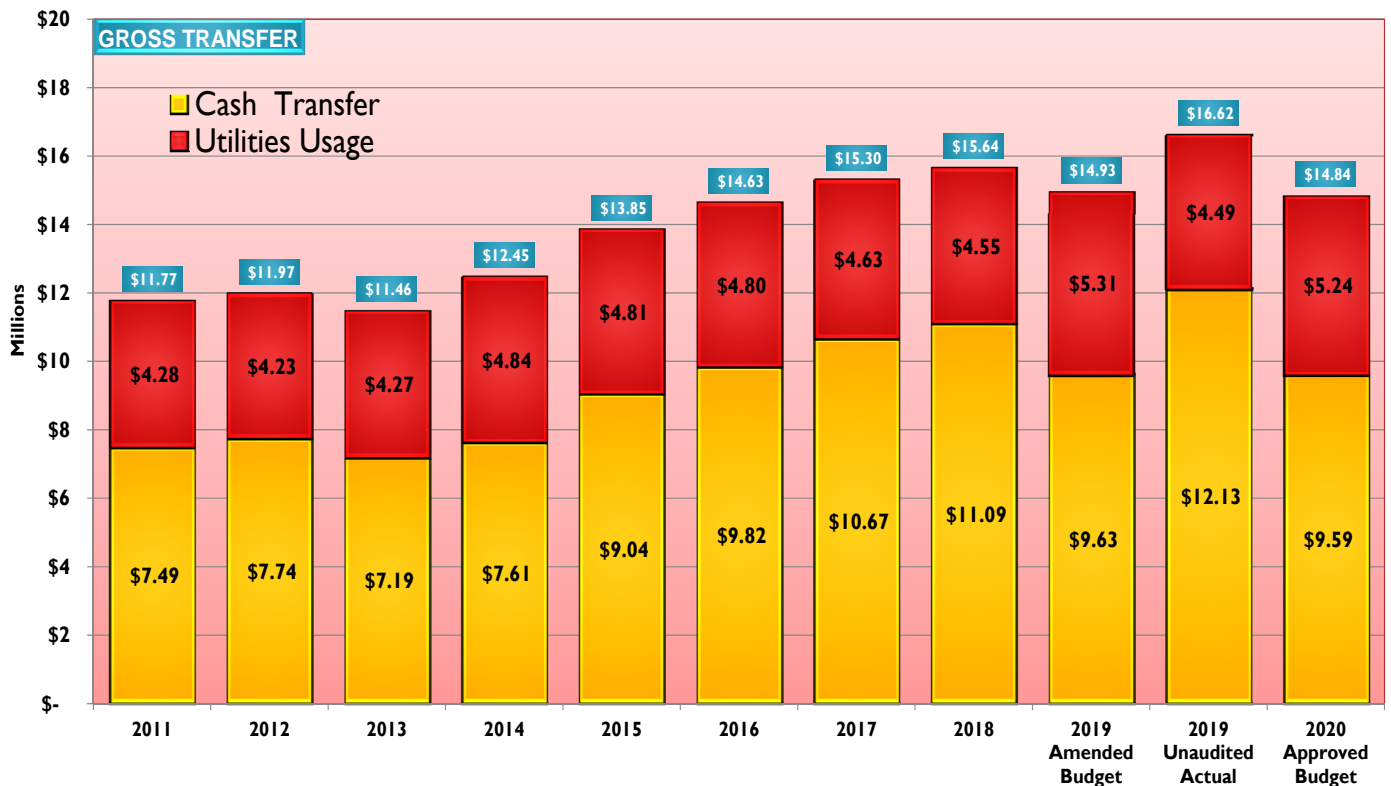
TRANSFER TO THE CITY OF BROWNSVILLE

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 2019 estimated year-end gross transfer is \$16,616,320, up \$1,682,087 from the FY 2019 Amended budget, with a net cash transfer of \$12,128,222. The FY 2020 approved budget gross transfer is \$14,835,351.

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

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



DISTINGUISHED BUDGET PRESENTATION AWARD

The Government Finance Officers Association of the United States and Canada (GFOA) presented a Distinguished Budget Presentation Award to the Brownsville PUB for its Annual Budget for the fiscal year beginning October 1, 2018. 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. Several 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, 2018

Christopher P. Morill

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 direction in formulating budget goals and objectives as well as budget strategies to achieve such goals.

The Brownsville PUB's FY 2019-20 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 Program

The Brownsville PUB follows a comprehensive financial program that guides the financial practices including accounting and reporting practices, investments, and debt financing. These practices are reviewed by the Brownsville PUB CFO to ensure that the Utility is in compliance with Bond Covenants, GASB Statements, and state and Federal regulatory requirements. Recommendations for changes are submitted to the Board for approval when necessary. These financial program practices are explained in further detail in the significant financial program components section starting on page 32.

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 practices 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 (Paragraph 77)*:

- 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 budget process to comply with the Brownsville PUB Bond Ordinance and GASB guidance 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 5-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 9.3.6 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 combined system revenue and revenue requirements 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 re-classify 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 2020

LINE REF.	DATE		TASK	ACTION RESPONSIBILITY
1	May 20 - 24, 2019	Week of	Establish BPUB Budget Teams (Vehicle/Heavy & Support Equipment and Computers, Furniture & Other Equipment)	Financial Planning Team
2	June 3, 2019	Monday	BUDGET KICKOFF - Distribution of FY 2020 Budget Instructions, Forms for Equipment Requests and Projects, and Performance Measures	Financial Planning Team
3	June 3, 2019	Monday	Open Budget Program for User Data Entry	Financial Planning Team
4	June 3, 2019	Monday	Distribute Budget Process Timetable to the Board	CFO
5	June 21, 2019	Friday	Close Budget Program data entry access	Financial Planning Team
6	June 21, 2019	Friday	Equipment Request Forms & Project Request Forms due	All Departments
7	June 21, 2019	Friday	Department Performance Measures due	All Departments
8	July 1, 2019	Monday	Send Equipment Requests to respective BPUB Budget Teams (Vehicle/Heavy & Support Equipment and Computer, Furniture & Other Equipment) for recommendations	Financial Planning Team
9	July 19, 2019	Friday	Budget Teams (Vehicle/Heavy & Support Equipment and Computer, Furniture & Other Equipment) recommendations due	Teams
10	August 1, 2019	Thursday	First DRAFT of O&M budget complete	Financial Planning Team
11	August 5, 2019	Monday	Distribute first DRAFT of budget and meet with Executive Team	CFO
12	August 5 - 9, 2019	Week of	Executive Team, Directors and Finance balance O&M Budget	CFO
13	Aug 12 - 16, 2019	Week of	Directors, Managers and Finance Balance First Draft of CIP Budget	Financial Planning Team
14	Aug 16 - 30, 2019	Weeks of	Individual Board Member O&M Budget Briefings	CFO
15	Aug 19 - 23, 2019	Week of	Executive Team, Directors and Finance balance CIP Budget	CFO
16	Aug 29 to Sept 12, 2019	Weeks of	Individual Board Member CIP Budget Briefings	CFO
17	September 13, 2019	Friday	Presentation of Draft Fiscal Year 2020 Budget to the Board in a workshop	CFO
18	September 16, 2019	Monday	Present Fiscal Year 2020 Budget to the Board for consideration and approval	CFO

NOTES

1. The Southmost Regional Water Authority (SRWA) Budget was approved on August 5, 2019.

SIGNIFICANT FINANCIAL PROGRAM COMPONENTS

The accounting practices 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 components:

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 pays for the utility services furnished to the City by the Brownsville PUB in accordance with bond covenants that address Transfers to the City.

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 Bond Ordinance Covenants

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Debt Service Fund . . . For purposes of providing funds to pay the principal of, premium, if any, and interest on the Senior Lien Obligations as the same become due and payable, the Brownsville PUB is required to maintain, at the Depository, a separate and special account or fund known as the Debt Service Fund. The Brownsville PUB is required to deposit into the Debt Service Fund prior to each principal and interest payment date from the available Net Revenues an amount equal to the amount required to fully pay the interest on and the principal of the Senior Lien Obligations then falling due and payable, such deposits to pay maturing principal and accrued interest on the Senior Lien Obligations to be made by the Brownsville PUB in substantially equal monthly installments on or before the business

day before the 15th day of each month, beginning on or before the business day before the 15th day of the month next following the delivery of the Bonds to the Underwriters. If the Net Revenues in any month are insufficient to make the required payments into the Debt Service Fund, then the amount of any deficiency in such payment is required to be added to the amount otherwise required to be paid into the Debt Service Fund in the next month.

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

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

Transfers to the City's General Fund . . . For purposes of providing funds to transfer to the City's General Fund, the Ordinance requires the Brownsville PUB to create and maintain at the Depository a separate and special account or fund to be known as the City Transfer Fund. The Brownsville PUB is required to deposit into the City Transfer Fund from the available Adjusted Revenues an amount equal to one-third of the quarterly amount hereinafter described to be made by the Brownsville PUB to the City in substantially equal monthly installments on or before the business day before the 15th day of each month, beginning on or before the business day before the 15th day of the month next following the delivery of the Bonds to the Underwriters. After making each of the payments required by the provisions of subparagraphs FIRST through NINTH as described above under "Funds and Accounts and Flow of Funds - Plant Fund", the Designated Chief Financial Officer of the Brownsville PUB is required to transfer no later than the business day preceding the 15th day of the month following the end of each Fiscal Year quarter, an amount of money from the City Transfer Fund equal to ten percent (10%) (or such lesser amount as may be determined from time to time by the City Commission of the City) of the Gross Revenues received for the preceding Fiscal Year quarter, as adjusted in accordance with the next two following sentences, to be utilized by the City in the manner permitted by the provisions of Chapter 1502, as amended, Texas Government Code. Prior to applying the percentage set forth in the preceding sentence to determine the amount to be transferred to the City, the amount of Gross Revenues for a Fiscal Year quarter shall be reduced by an amount equal to all costs for the purchase of power, fuel and paid or incurred by the Brownsville PUB during such Fiscal Year quarter and by amounts paid by the Brownsville PUB to the Southmost Regional Water Authority with respect to the Southmost water project. Furthermore the amount of funds to be transferred to the City in accordance with the provisions of the Ordinance shall be reduced by any amounts owed by the City to the Brownsville PUB for utility services provided by the Brownsville PUB. To the extent that the available Net Revenues in any quarter

are insufficient for the Brownsville PUB to make all or part of the required transfer to the City, the Brownsville PUB shall make up such shortfall (i) in the next quarter in which available Net Revenues exceed the amounts required to make the transfer to the City pursuant to the foregoing provisions and the payment to the Operating Reserve Fund under the provisions of the Ordinance, or (ii) to the extent such shortfall has not been made up by the last quarter of the Fiscal Year, solely from any surplus funds deposited into the Capital Improvement Fund for such Fiscal Year.

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

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

Budgetary Controls

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

Operating Revenues and Expenses

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

The Brownsville PUB defines operating revenues consistent with the precepts of GASB Statement No. 9, paragraphs 16 to 19 and 31: cash receipts from customers, cash receipts from quasi-external

transactions with the City and other governments, and other cash receipts that do not result from transactions defined as capital and related financing, non-capital financing, or investment activities.

Utility Service Revenue and Electric Purchased Power Expense

Electric, water, and wastewater revenues are recognized as billed on a cycle basis with recognition of unbilled revenues year-end, based upon the meter reading dates for the unbilled portion of each cycle. Electric rate schedules include power cost adjustment clauses that permit recovery of purchased power costs, not included in base rates, in the month after such costs are incurred. The Brownsville PUB charges to expense the cost of purchased power in the period of purchase.

Capital Assets

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

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

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

Investments

The Brownsville PUB invests funds in accordance with the Texas Public Funds Investment Act, bond indentures, and the Brownsville PUB's approved investment policy, which is approved annually by the Board of Trustees. The investment policy was approved by the Board of Trustees on October 8, 2018 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 Guidelines

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.

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 which are structured to achieve level debt service payments on an issue by issue basis are desirable.

Debt Service Coverage Ratio

The Debt Service Coverage Ratio is estimated at 2.47 for FY 2020, compared to 3.38 unaudited actual for FY 2019, and 2.53 in the Amended FY 2019 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.

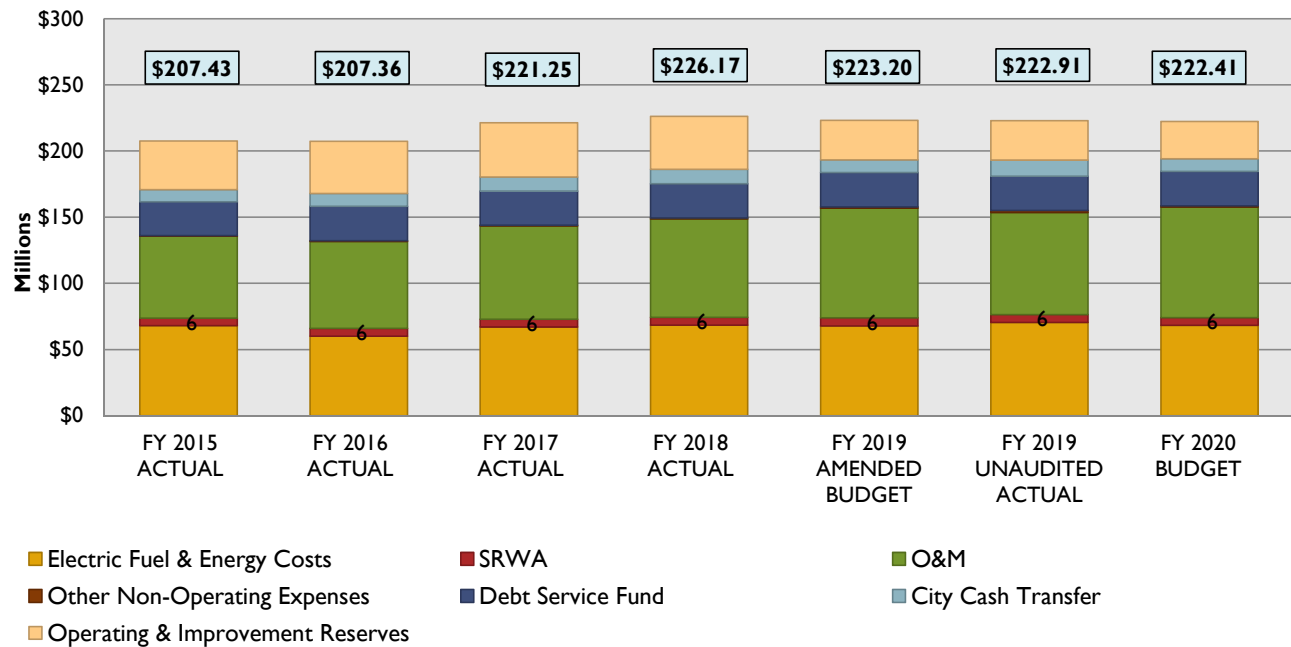
Prior to FY 2006, Article VI of the Charter provided for the transfer to the City's general fund by the Brownsville PUB from "Surplus Funds" available at the close of each fiscal year (after retaining in the Plant Fund an amount deemed by the Brownsville PUB to be sufficient to pay system operation and 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, 2019 and 2018 totaled \$12,128,222 and \$11,090,234, respectively, of which \$4,310,490 and \$3,276,018, respectively, was payable at September 30, 2019 and 2018.

Following is the computation for distribution to the City of Brownsville for FY 2020:

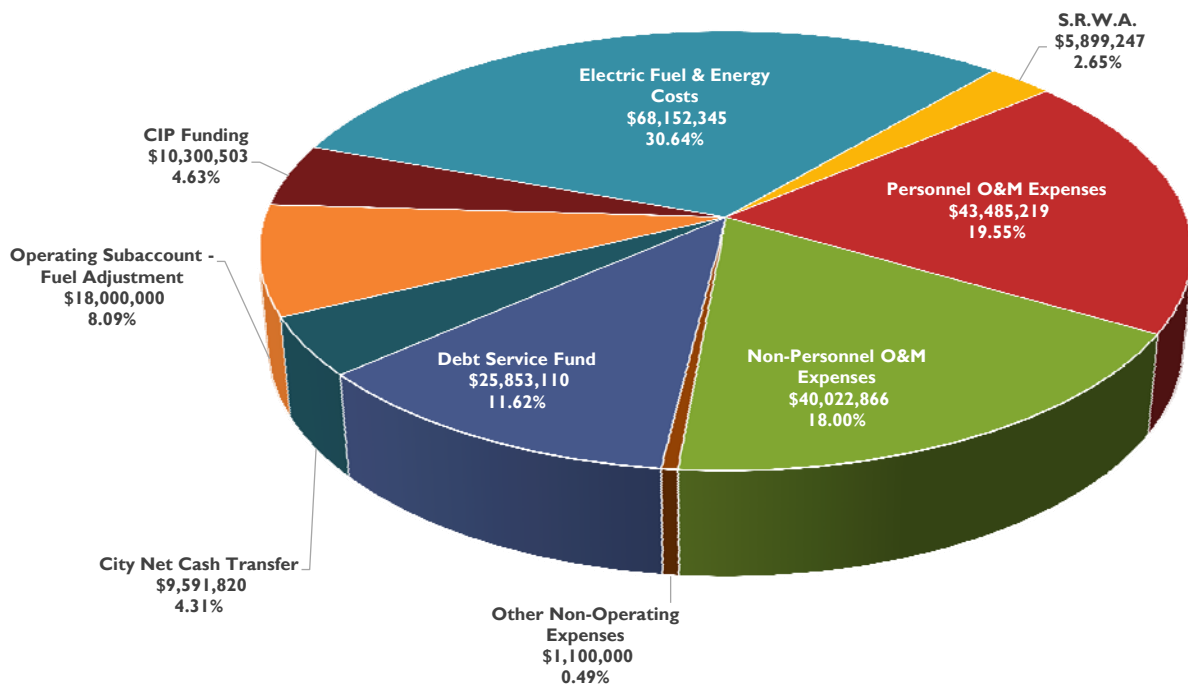
Gross Revenue	\$ 222,405,110
Less:	
Fuel & Energy Costs	62,789,845
Off-system Sales Expenses	5,362,500
Southmost Regional Water Authority (SRWA)	5,899,247
Adjusted Gross Revenues	<u>\$ 148,353,518</u>
Budgeted COB Transfer at 10% of Adjusted Gross Revenues	\$ 14,835,351
Less:	
COB Usage	(5,243,531)
Net Cash Transfer to COB	<u>\$ 9,591,820</u>

BUDGET RECAP

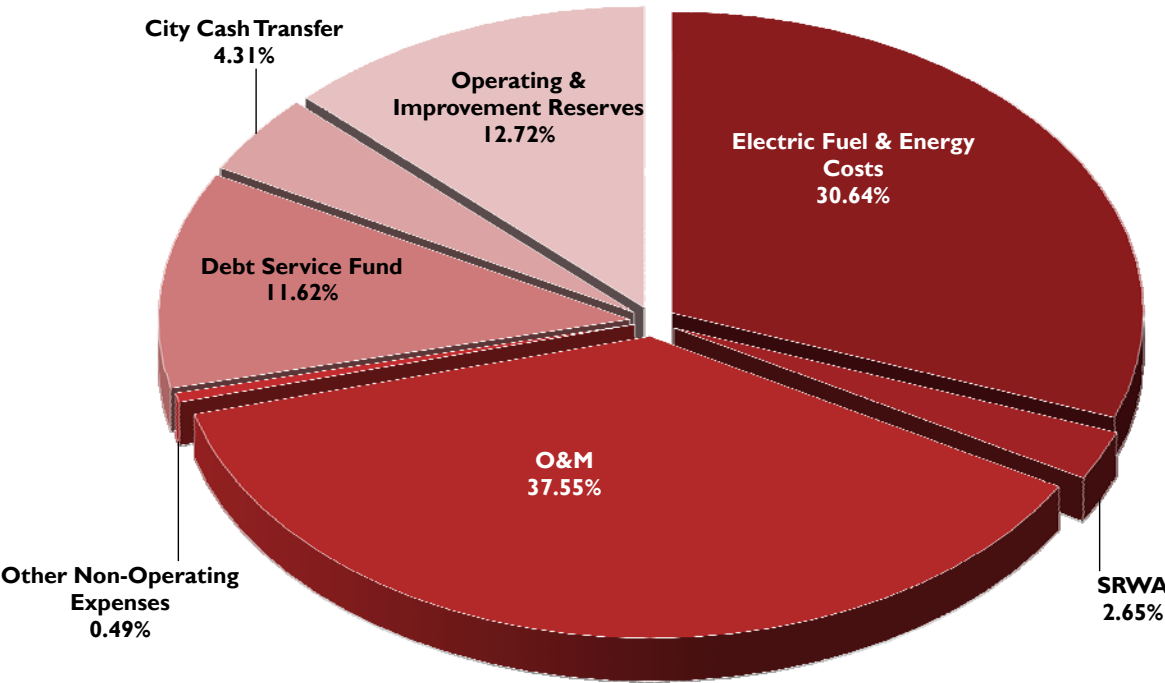
TOTAL COMBINED UTILITY REQUIREMENTS



FY 2020 USES OF FUNDS (\$222,405,110)



FY 2020 REQUIREMENTS AS A PERCENT OF TOTAL BUDGET

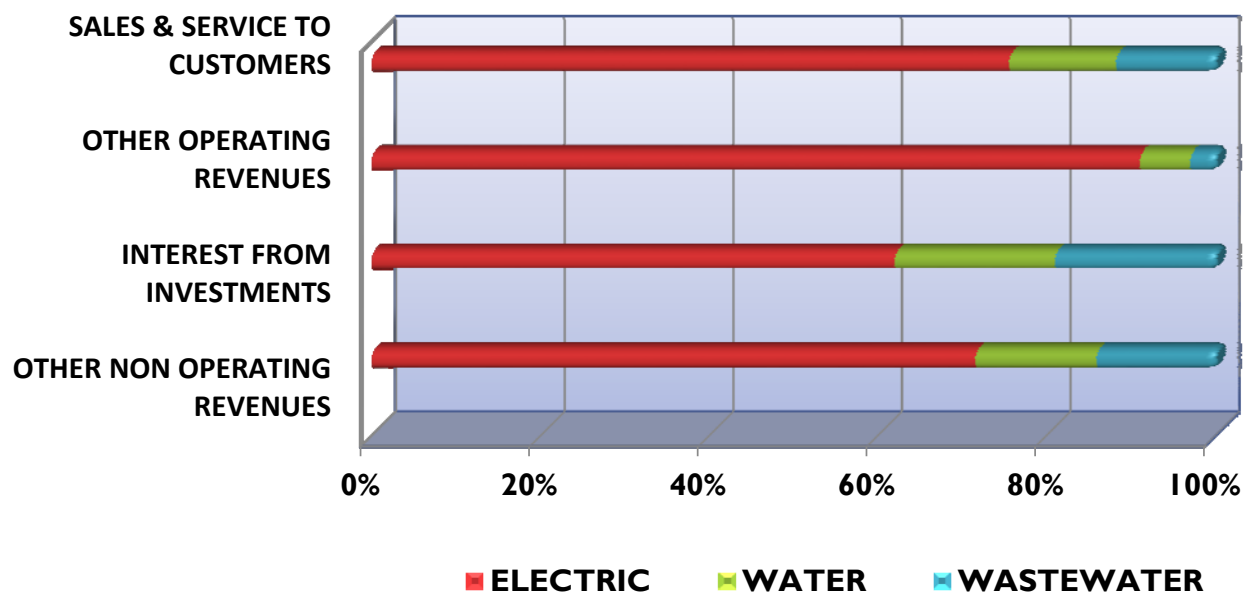


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BUDGET RECAP FY 2020 REVENUES

	<u>SALES & SERVICE TO CUSTOMERS</u>	<u>OTHER OPERATING REVENUES</u>	<u>INTEREST FROM INVESTMENTS</u>	<u>OTHER NON- OPERATING REVENUES</u>	<u>TOTAL</u>
ELECTRIC	\$ 149,908,395	\$ 17,524,035	\$ 2,108,000	\$ 969,559	\$ 170,509,989
WATER	25,160,647	1,149,657	646,000	194,533	27,150,837
WASTEWATER	23,336,960	570,596	646,000	190,728	24,744,284
TOTAL REVENUE	\$ 198,406,002	\$ 19,244,288	\$ 3,400,000	\$ 1,354,820	\$ 222,405,110

FY 2020 REVENUES UTILITY PERCENT BY REVENUE TYPE



OPERATIONS & MAINTENANCE EXPENSE RECAP BY TYPE

FY 2010 - FY 2020

TYPE	FY 2010	FY 2011	FY 2012	FY 2013
61 Personnel Salaries & Wages	\$ 18,084,903	\$ 19,028,839	\$ 19,761,782	\$ 21,047,184
62 Personnel Services	10,055,961	10,127,334	9,847,583	10,765,207
71 Operating Office Expenses	4,034,828	3,894,947	3,896,372	4,159,671
72 Operating Materials & Supplies	4,544,250	5,081,043	5,246,147	5,362,003
73 Operating Miscellaneous General Exp	9,778,898	10,582,578	11,894,623	10,033,119
74 Operating Transportation Expense	973,497	1,123,541	1,060,732	1,132,352
75 Operating Maint. of General Plant	3,105,675	3,234,646	2,794,117	2,029,564
76 Operating Consultants/Outside Svc	6,545,497	6,739,576	7,946,964	9,159,599
77 Operating Fuel & Purchase Power	57,515,639	54,164,284	48,449,645	54,041,195
78 Operating Purch/Minor Tools & Equip	773,388	811,621	799,817	786,125
Grand Total	\$ 115,412,536	\$ 114,788,408	\$ 111,697,781	\$ 118,516,018

LESS:

Fuel & Purchased Power & Off System Expenses	\$ 57,515,639	\$ 54,164,284	\$ 48,449,645	\$ 54,041,195
SRWA Obligations	4,566,315	4,811,178	5,616,176	4,867,682

Subtotal	\$ 53,330,582	\$ 55,812,946	\$ 57,631,960	\$ 59,607,141
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Less Personnel	\$ 28,140,864	\$ 29,156,174	\$ 29,609,365	\$ 31,812,390
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Non-Personnel	\$ 25,189,717	\$ 26,656,774	\$ 28,022,595	\$ 27,794,751
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TYPE	FY 2014	FY 2015	FY 2016	FY 2017
61 Personnel Salaries & Wages	\$ 22,404,937	\$ 23,121,728	\$ 24,070,435	\$ 25,660,355
62 Personnel Services	11,521,694	10,151,354	12,823,206	15,490,675
71 Operating Office Expenses	4,554,927	4,698,777	4,889,941	4,691,445
72 Operating Materials & Supplies	4,982,058	4,846,856	4,788,075	4,147,717
73 Operating Miscellaneous General Exp	9,773,350	11,042,760	10,629,351	11,529,269
74 Operating Transportation Expense	1,219,496	1,072,288	1,006,454	1,067,438
75 Operating Maint. of General Plant	3,688,413	2,983,094	2,666,119	2,147,117
76 Operating Consultants/Outside Svc	9,059,971	8,449,677	9,712,243	10,433,864
77 Operating Fuel & Purchase Power	67,598,265	68,002,097	59,987,648	67,049,242
78 Operating Purch/Minor Tools & Equip	1,018,516	1,271,213	1,022,540	1,220,698
Grand Total	\$ 135,821,627	\$ 135,639,845	\$ 131,596,011	\$ 143,437,819

LESS:

Fuel & Purchased Power & Off System Expenses	\$ 67,598,265	\$ 68,002,097	\$ 59,987,648	\$ 67,049,242
SRWA Obligations	4,942,996	5,738,013	5,910,676	5,878,725

Subtotal	\$ 63,280,366	\$ 61,899,735	\$ 65,697,687	\$ 70,509,852
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Less Personnel	\$ 33,926,631	\$ 33,273,082	\$ 36,893,641	\$ 41,151,030
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Non-Personnel	\$ 29,353,735	\$ 28,626,653	\$ 28,804,046	\$ 29,358,822
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TYPE	FY 2018	AMENDED FY 2019 BUDGET	UNAUDITED FY 2019	APPROVED FY 2020 BUDGET
61 Personnel Salaries & Wages	\$ 26,840,938	\$ 27,698,432	\$ 26,637,072	\$ 27,837,718
62 Personnel Services	14,110,911	13,862,807	18,381,584	15,647,501
71 Operating Office Expenses	4,632,610	5,482,267	4,538,278	5,131,034
72 Operating Materials & Supplies	4,078,742	4,460,199	3,583,002	4,493,258
73 Operating Miscellaneous General Exp	11,782,886	13,379,235	11,294,225	12,648,972
74 Operating Transportation Expense	1,308,252	1,103,798	1,279,683	1,166,425
75 Operating Maint. of General Plant	4,421,339	3,588,460	3,722,801	4,188,946
76 Operating Consultants/Outside Svc	11,602,571	17,442,152	12,240,833	16,365,523
77 Operating Fuel & Purchase Power	68,391,914	67,901,345	70,463,755	68,152,345
78 Operating Purch/Minor Tools & Equip	1,388,318	1,822,611	1,404,158	1,927,955
Grand Total	\$ 148,558,482	\$ 156,741,306	\$ 153,545,392	\$ 157,559,677

LESS:

Fuel & Purchased Power & Off System Expenses	\$ 68,391,914	\$ 67,901,345	\$ 70,463,755	\$ 68,152,345
SRWA Obligations	5,934,637	5,953,229	5,953,229	5,899,247

Subtotal	\$ 74,231,931	\$ 82,886,732	\$ 77,128,408	\$ 83,508,085
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Less Personnel	\$ 40,951,849	\$ 41,561,239	\$ 45,018,656	\$ 43,485,219
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Non-Personnel	\$ 33,280,081	\$ 41,325,493	\$ 32,109,752	\$ 40,022,866
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Note:

Type 61 & 62 Personnel O&M Totals include \$975,000, \$1,784,912 and \$1,939,968 from other O&M Personnel Supplements for FY 2018, FY 2017 and FY 2016, respectively.

OPERATIONS & MAINTENANCE EXPENSE RECAP BY ACCOUNT

FY 2015 - FY 2020

Account	Actual 2015	Actual 2016	Actual 2017	Actual 2018	Amended Budget 2019	Unaudited Actual 2019	Approved Budget 2020
Personnel O&M							
6101 Supervision	\$ 5,051,308	\$ 5,719,467	\$ 6,306,819	\$ 6,734,219	\$ 6,598,190	6,763,021	\$ 6,788,843
6105 Administrative Staff	3,729,706	4,013,400	4,576,749	4,813,525	5,156,074	4,691,284	5,198,770
6110 Clerical staff	2,785,339	2,878,461	2,863,535	2,945,932	3,059,501	2,895,514	3,048,781
6115 Operational staff	10,409,084	10,383,520	10,632,632	10,844,935	11,519,238	10,887,151	11,457,106
6120 Part-time staff	153,271	214,176	191,062	237,599	152,990	254,653	157,921
6130 Overtime	993,021	800,394	1,089,558	1,254,973	1,212,438	1,145,450	1,186,297
6140 Severance Pay	-	61,017	-	9,756	-	-	-
6201 T.M.R.S.	2,286,132	4,339,571	6,155,520	4,482,890	4,659,688	7,336,202	4,573,106
6205 F.I.C.A.	1,378,593	1,421,447	1,506,222	1,565,534	1,640,609	1,572,123	1,648,183
6206 Suta	10,578	26,372	61,752	11,019	-	13,129	-
6210 Medicare	327,293	339,549	360,492	374,096	384,047	375,705	385,783
6214 Dental Insurance	136,085	137,682	139,156	141,817	155,613	264,830	354,927
6215 Hospitalization insurance	3,930,969	4,414,711	4,650,152	4,774,941	5,218,981	4,984,125	5,944,013
6216 Other Post-Employment Benefits (ins)	895,643	808,372	831,691	1,420,773	900,000	2,630,485	1,000,000
6220 Life Insurance	30,404	31,642	39,571	28,523	31,151	24,131	31,337
6221 Long Term Disability Insurance	57,157	59,593	(11,103)	17,589	52,510	36,085	52,830
6225 Workers Compensation	620,706	623,904	659,233	682,647	662,150	684,077	666,285
6230 Vacation leave	105,668	30,308	300,656	90,839	335,531	109,821	338,266
6235 Sick leave	195,783	317,970	596,233	272,034	369,095	117,671	372,103
6240 Educational assistance	490	7,518	20,913	20,335	23,740	12,074	39,800
6242 Auto Benefits	92,943	83,864	86,637	87,006	87,000	97,991	94,500
6243 Telephone Benefits	15,444	14,004	15,117	15,122	15,121	16,640	16,801
6250 Miscellaneous personnel benefits	67,466	166,700	78,434	125,746	1,253,300	106,496	2,391,419
6260 Vacancy Savings	-	-	-	-	(1,925,729)	-	(1,960,082)
6266 RESTORE Offset-Personnel	-	-	-	-	-	-	(301,770)
Personnel O&M Total	33,273,082	36,893,641	41,151,030	40,951,849	41,561,239	45,018,656	43,485,219
Non-personnel O&M							
7101 Advertising	266,739	180,647	177,220	188,470	476,300	178,989	286,300
7102 Sponsorships	180,095	156,750	160,650	161,800	198,700	162,400	204,500
7105 Books & periodicals	14,276	12,227	35,503	11,191	39,143	9,893	33,900
7110 Dues & memberships	188,045	170,109	187,042	170,052	148,236	163,012	150,819
7115 Educational material	21,017	23,096	46,841	20,856	38,650	16,369	38,850
7120 Office supplies	178,402	167,112	165,676	157,526	216,700	156,550	184,025
7125 Photo equipment/supplies	255	711	1,381	201	18,900	271	1,750
7130 Postage/shipping charges	360,069	353,948	343,902	351,766	409,475	365,490	406,425
7135 Telephone expenses	303,715	448,567	379,564	343,737	382,350	352,616	383,554
7140 Training expenses	150,823	198,562	173,401	202,880	283,555	194,274	206,981
7145 Travel expenses	244,293	311,336	292,817	320,344	426,962	252,250	321,760
7147 Mileage Reimbursement (InTownExp)	561	651	176	468	3,282	951	3,232
7150 Recruitment Expenses	1,985	4,058	4,999	2,227	14,000	3,148	5,000
7155 Initial Certificatn/Licensing Reimb	-	829	460	-	12,000	298	300
7180 Utilities - departmental	2,679,485	2,759,301	2,628,572	2,601,678	2,708,324	2,588,319	2,773,388
7190 Utilities - CP&L & Mvec	108,503	102,037	92,994	98,953	103,690	93,424	129,200
7199 Miscellaneous office expenses	513	-	249	462	2,000	27	1,050
7201 Barricades & signs	2,011	1,844	7,003	4,775	22,820	1,844	12,650
7203 Sand, Caliche, Gravel, Concrete etc	282,806	362,621	151,857	177,968	286,719	79,446	265,200
7205 Lamps, globes & flares	10,360	6,328	3,738	13,296	30,000	8,510	15,000
7210 Landscaping/Trade a Tree Program	8,644	2,493	5,379	3,631	14,750	4,081	13,750
7215 Laundry & janitorial supplies	6,283	3,906	5,492	3,978	8,450	3,004	9,060
7220 Medical supplies	492	302	-	176	3,100	306	2,100
7225 Safety supplies	110,880	97,641	101,307	106,257	166,182	136,859	169,883
7251 Purchased of Raw Water	12,494	17,421	41,913	31,703	50,000	26,750	50,000
7279 Ultraviolet light system expenses	-	-	37,308	64,831	100,930	277,680	289,313
7280 Chemicals - activated carbon	41,470	61,363	61,108	56,967	70,702	40,447	67,178
7281 Chemicals - ammonia	89,080	88,240	92,459	97,683	103,922	81,413	105,221
7282 Chemicals - caustic soda	60,760	65,338	41,024	108,291	154,581	127,479	115,441
7283 Chemicals - chlorine	194,286	204,344	204,156	183,820	257,474	204,616	276,396
7284 Chemicals - coagulant	823,892	697,001	662,419	772,027	889,291	587,756	893,649
7285 Chemicals - copper sulphate	-	2,700	-	3,935	5,000	3,415	5,000
7286 Chemicals - deodorants	6,413	7,688	8,922	8,436	12,200	12,079	16,700
7288 Chemicals - ferric chloride	-	-	-	6,638	-	406	-
7290 Chemicals - sodium chloride	104,313	100,659	96,997	108,709	138,700	119,824	142,120
7293 Chemicals - other	1,522,492	1,635,142	1,098,473	682,534	546,226	384,329	507,561
7299 Other materials & supplies	1,570,181	1,433,044	1,528,162	1,643,087	1,599,152	1,482,759	1,537,037
7301 Bad debt expense	510,974	652,361	1,046,123	397,079	899,500	474,191	402,500
7302 Bankruptcy expenses	-	(4,865)	1,225	-	-	(326)	-
7304 Hurricane Preparedness Expenses	206,200	220,972	216,611	219,600	230,700	269,550	250,700
7305 ERCOT expenses	1,247,000	257,995	678,728	1,432,298	1,650,000	977,679	1,630,000

continued

OPERATIONS & MAINTENANCE EXPENSE RECAP BY ACCOUNT - CONTINUED

FY 2015 - FY 2020

Account	Actual 2015	Actual 2016	Actual 2017	Actual 2018	Amended Budget 2019	Unaudited Actual 2019	Approved Budget 2020
Non-personnel O&M - cont.							
7310 Federal, state, & local fees	376,623	405,776	479,293	427,059	489,135	465,909	468,525
7315 Food, meals, ice, water	55,652	49,168	55,446	60,540	82,871	54,055	78,671
7320 Official functions	34,406	28,313	30,438	24,905	65,235	22,936	34,800
7322 Recognition Program	66,228	72,491	71,523	67,642	100,150	90,166	85,600
7325 Rental of equip/storage/land	401,475	454,255	434,021	577,303	703,087	465,221	611,243
7330 Right of way fees	51,384	44,068	33,240	48,834	62,000	42,453	45,000
7335 Wearing apparel & dry goods	260,935	266,324	296,757	418,297	264,328	303,513	254,686
7340 Promo Exp-Enrgy Efficiency & Consv	25,513	27,141	26,011	23,859	38,000	17,275	28,000
7345 Rebate Exp-Enrgy Efficiency & Cnsrv	187,728	297,430	244,929	263,060	235,000	265,537	200,000
7346 Water Efficiency Program	-	-	10,831	5,986	10,000	-	10,000
7347 Commercial & Industrial Rebate Prog	-	143,818	193,851	151,386	235,000	189,137	200,000
7348 Customer Assistance Program	-	12,739	19,085	20,695	50,000	15,029	50,000
7380 Insurance - general liability	64,882	66,058	52,623	62,357	75,000	57,560	72,000
7381 Insurance - boiler,mchnry,property	1,046,039	1,002,998	1,030,357	929,602	1,225,000	915,779	1,330,000
7382 Insurance - blanket bond	4,040	4,141	4,191	3,706	4,500	5,670	4,500
7384 Insurance - public officials liab	73,611	67,870	66,497	64,142	76,500	63,559	76,500
7385 Insurance - comprehensive auto liab	109,393	107,236	118,506	136,025	165,000	128,417	152,000
7386 Insurance - umbrella liability	397,767	397,707	399,491	444,123	540,000	441,203	515,000
7387 Insurance - self insured damages	114,156	75,098	77,106	14,695	225,000	17,197	250,000
7388 Excess Workers Compensation	70,740	69,580	63,660	55,057	-	59,284	-
7405 Auto body repairs	14,584	8,611	18,867	12,185	15,000	-	15,000
7410 Batteries	15,548	16,016	20,567	9,791	15,000	-	-
7415 Fuels & lubricants	650,581	475,738	529,654	692,546	693,798	673,329	656,425
7420 Parts	295,485	396,709	375,199	476,721	280,000	497,530	400,000
7425 Road service	22,433	24,266	25,710	27,346	15,000	56,275	40,000
7430 Tires	73,656	85,115	97,441	89,662	85,000	52,550	55,000
7501 Maint. of buildings & structures	33,717	208,083	107,279	80,690	362,900	173,842	807,908
7505 Maint. of communication equipment	8,326	12,856	31,712	8,938	30,350	10,023	25,250
7515 Maint. of major equipment	1,018,238	388,253	387,352	2,108,571	635,500	1,573,072	695,272
7520 Maint. of minor equipment	40,879	68,040	101,049	47,410	73,710	18,847	71,610
7525 Maint. of boiler plant	140,150	305,113	166,938	231,840	167,500	58,587	250,000
7530 Maint. of electric meters	73,161	106,787	128,331	207,575	150,000	230,169	175,000
7535 Maint. of electric plant	-	-	-	167	-	-	-
7540 Maint. of line transformers	79,351	86,326	140,489	115,417	161,000	85,560	162,800
7550 Maint. of overhead lines	56,524	89,311	41,872	123,997	91,000	154,722	162,500
7555 Maint. of station equipment	17,072	69,057	42,235	20,195	80,000	24,624	35,000
7565 Maint. of street lighting & signals	223,587	172,126	163,327	192,632	150,000	409,983	375,000
7570 Maint. of underground lines	213,488	363,392	297,007	338,059	335,000	291,352	231,500
7574 Maintenance of wells	2,673	12,053	10,870	54,796	66,000	111,276	110,000
7575 Maint. of water meters	178,775	361,889	268,530	384,533	425,000	333,872	425,000
7577 Maint. of distribution mains	147,029	162,839	111,944	77,903	150,000	83,423	100,000
7580 Maint. of reservoirs	106,433	148,145	51,928	297,945	340,000	59,278	274,606
7581 Maint. of resacas	318,606	332	3,581	6,777	110,000	20,600	101,000
7585 Maint. of sewer force mains	21,814	6,663	4,073	4,243	50,000	557	50,000
7586 Maint. of sewer gravity lines	184,828	36,947	18,860	61,125	80,000	40,809	80,000
7599 Maintenance / other	118,443	67,908	69,740	58,524	130,500	42,208	56,500
7601 Legal Fees	1,485,930	1,630,144	2,243,880	2,094,300	1,836,500	2,141,679	1,702,500
7605 Engineering fees	588,904	581,480	540,408	401,593	769,150	619,202	687,992
7610 Financial advisor services	60,591	63,669	60,000	131,850	85,000	45,000	85,000
7615 External auditor fees	50,500	58,000	50,000	56,500	60,000	56,500	85,000
7620 Environmental consulting fees	129,307	91,809	59,606	89,836	100,000	27,865	100,000
7630 Construction contractor services	468,810	583,735	387,892	493,814	622,000	471,148	634,935
7635 Software maintenance service fees	809,413	925,227	930,588	866,599	1,412,039	1,278,408	1,586,924
7645 Maintenance services	1,424,360	1,641,312	1,761,832	2,955,197	3,147,297	2,646,134	2,971,290
7650 Security services	330,795	387,497	510,467	557,551	1,004,984	632,059	1,009,142
7655 Hauling Services	143,216	78,519	103,585	77,306	112,000	141,694	112,000
7660 Ground Keeping Maintenance	196,978	293,365	324,158	352,148	375,000	366,444	379,293
7696 RESTORE Offset-Nonpersonnel	-	-	-	-	-	-	(133,341)
7697 O&M Contingency-Maintenance Pool	-	-	-	-	500,000	-	500,000
7698 O&M Contingency-Budget Pool	-	-	-	-	807,000	-	850,000
7699 Other services	2,760,875	3,377,486	3,461,446	3,525,877	6,611,182	3,814,701	5,794,787
7801 Communication equipment	117,687	52,363	70,782	90,245	45,100	51,134	53,400
7805 Computer equipment	340,458	268,894	216,744	307,179	460,932	303,387	442,558
7806 Software licenses-new	97,101	29,833	120,677	132,158	199,820	138,653	345,872
7810 Laboratory equipment	70,194	41,458	72,983	78,697	95,000	95,515	79,091
7820 Office furniture & equipment	96,631	118,549	80,949	84,612	128,021	70,591	89,779
7830 Pumping equipment	205,133	183,899	202,099	180,894	294,000	194,386	218,000
7835 Tools, shop and garage equipment	172,733	120,180	90,674	79,854	132,530	70,488	87,000
7840 Water treatment equipment	6,383	10,971	21,702	33,460	35,000	29,674	45,000
7899 Other minor tools & equipment	164,893	196,393	344,087	401,219	432,208	450,331	567,255
Non-personnel O&M Total	28,626,653	28,804,046	29,358,822	33,280,081	41,325,493	32,109,752	40,022,866

continued

OPERATIONS & MAINTENANCE EXPENSE RECAP BY ACCOUNT - CONTINUED

FY 2015 - FY 2020

Account	Actual 2015	Actual 2016	Actual 2017	Actual 2018	Amended Budget 2019	Unaudited Actual 2019	Approved Budget 2020
Type 77 - Fuel & Purchased Power							
7701 Fuel - Natural gas - Silas Ray	1,360,321	644,625	1,042,911	1,073,744	1,000,000	1,235,346	1,200,000
7702 Fuel - Natural Gas - Hidalgo Energy	9,210,195	7,768,473	9,003,032	10,222,283	10,000,000	7,491,013	7,000,000
7703 Fuel - Diesel oil - Silas Ray	790	1,269	-	-	-	-	-
7704 Fuel - TETCO/Hinshaw Pipeline	619,795	600,647	631,662	664,305	650,000	551,861	500,000
7705 Fuel - Coal - Oklaunion	6,940,676	7,500,314	6,380,124	7,538,764	5,000,000	9,304,377	10,000,000
7706 Fuel-Diesel-Distributed Generation	-	-	-	-	35,000	-	35,000
7707 Fuel - Diesel oil - Oklaunion	149,218	171,250	180,013	62,776	50,000	197,593	150,000
7708 Fuel - Natural Gas Transp-SilasRay	50,465	53,643	93,473	97,237	100,000	79,090	120,000
7714 Pchp - Wind Resources	-	8,915,000	10,454,540	9,091,589	9,000,000	7,979,936	9,000,000
7720 Pchp - Resource Imbalance	3,183,248	789,572	1,649,817	1,515,735	3,000,000	6,936,621	3,000,000
7721 Pchp - Economy power	20,437,471	8,984,607	8,679,811	11,982,163	11,000,000	6,027,609	6,000,000
7726 Pchp - Bilateral Energy Expns-Gas	-	-	-	-	10,000	-	10,000
7727 Pchp - Bilateral Energy-Gas Transp	-	-	-	-	1,000	-	1,000
7728 Pchp - Bilateral Energy Exp-Coal	-	-	-	-	10,000	-	10,000
7729 Pchp - TCOS (Wheeling)	7,634,407	7,935,284	8,328,774	8,032,710	8,500,000	8,043,011	8,500,000
7731 Pchp - Fixed expenses - Oklaunion	6,943,411	5,098,846	4,873,643	4,641,903	4,806,560	4,352,561	4,820,560
7732 Pchp - Hidalgo Fixed Operation Fee	2,850,313	3,148,987	4,392,322	3,346,971	3,933,785	3,213,956	3,950,785
7733 Pchp - Bilateral Ancillary Services	1,720,538	1,198,774	1,224,823	2,080,658	1,800,000	3,159,197	1,800,000
7736 Pchp - QSE Charges	312,000	383,500	399,050	400,703	420,000	402,416	420,000
7737 Pchp - Ercot Charges	965,295	1,046,865	1,339,038	1,432,188	1,400,000	1,119,473	1,300,000
7738 Pchp - CSC Congestion Cost (CSCBE)	2,429,637	927,058	3,911,871	588,547	1,500,000	2,122,757	2,500,000
7740 Power marketing services	413,200	283,249	148,389	318,562	300,000	495,848	300,000
7750 Pchp - Real Time Energy - Wind	-	-	1,094,964	1,467,415	1,500,000	2,676,969	1,500,000
7751 Pchp - Reliability Unit Cmt Exp-Gas	23,142	98,846	99,641	47,274	150,000	-	150,000
7752 Pchp - Reliab Unit Cmt - Gas Transp	3,905	12,632	6,953	3,319	15,000	-	15,000
7753 Pchp - Day Ahead Energy Exp-Gas	1,056,932	848,692	70,284	66,202	500,000	276,008	500,000
7754 Pchp - Day Ahead Energy-Gas Transp	58,030	94,746	6,558	4,228	50,000	24,245	50,000
7755 Pchp - Real Time Energy Exp-Gas	974,961	1,668,337	1,721,091	1,411,322	1,500,000	2,677,424	3,000,000
7756 Pchp - Real Time Energy - Gas Transp	116,279	171,278	128,448	101,511	150,000	185,027	300,000
7757 Pchp - Reliab Unit Cmt - Coal	-	-	-	-	10,000	-	10,000
7758 Pchp - Day Ahead Energy-Coal	-	-	-	-	10,000	-	10,000
7759 Pchp - Real Time Energy - Coal	547,869	1,641,154	1,188,008	2,199,805	1,500,000	1,424,261	2,000,000
7760 Pchp - Day Ahead Energy-Wind	-	-	-	-	-	487,155	-
Fuel & Purchased Power Total	68,002,097	59,987,648	67,049,242	68,391,914	67,901,345	70,463,755	68,152,345
SRWA							
7306 SRWA O&M Assessment	3,585,642	3,752,642	3,719,365	3,844,573	3,818,338	3,818,338	3,785,726
7307 SRWA Dbt Svc Assessment	2,152,371	2,158,034	2,159,360	2,090,064	2,134,891	2,134,891	2,113,521
SRWA Total	5,738,013	5,910,676	5,878,725	5,934,637	5,953,229	5,953,229	5,899,247
TOTAL OPERATIONS & MAINTENANCE	\$ 135,639,846	\$ 131,596,011	\$ 143,437,819	\$ 148,558,482	\$ 156,741,306	\$ 153,545,392	\$ 157,559,677
Less:							
Fuel & Purchased Power	\$ 68,002,097	\$ 59,987,648	\$ 67,049,242	\$ 68,391,914	\$ 67,901,345	\$ 70,463,755	\$ 68,152,345
SRWA Assessments	5,738,013	5,910,676	5,878,725	5,934,637	5,953,229	5,953,229	5,899,247
TOTAL APPROVED O&M BUDGET	\$ 61,899,736	\$ 65,697,687	\$ 70,509,852	\$ 74,231,931	\$ 82,886,732	\$ 77,128,408	\$ 83,508,085

Note:

Type 61 & 62 Personnel O&M Totals include \$2,103,119, \$975,000, \$1,664,968 and \$95,131 from other O&M Personnel Supplements for FY 2020, FY 2019, FY 2016 and FY 2015, respectively.

OPERATIONS & MAINTENANCE EXPENSE RECAP BY DEPARTMENT & TYPE FY 2020

ORG. NO.	DEPARTMENT	TYPE DESCRIPTION				
		61 SALARIES & WAGES	62 PERSONNEL SERVICES	71 OFFICE EXPENSES	72 MATERIALS & SUPPLIES	73 MISC. GENERAL EXP.
1110	General Manager	\$ 349,770	\$ 70,547	\$ 68,835	\$ 1,000	\$ 3,300
1120	Internal Audit	239,782	97,703	14,231	100	1,503
1125	Key Account Marketing	171,459	77,149	16,780	250	15,000
1130	Communications & Administrative Svc	158,480	64,417	7,278	750	10,375
1135	Communications & Public Relations	226,866	88,825	423,609	3,700	29,100
1140	Training and Organizational Development	194,147	76,669	17,867	500	5,950
1145	Electrical Systems	325,688	114,681	8,754	465	200
1150	Board of Directors	-	-	79,098	500	9,000
1165	Records Management	164,631	69,215	14,281	600	25,500
1410	Environmental Services	393,284	178,919	18,661	24,500	443,100
1420	Environmental Compliance	391,314	155,193	24,127	14,750	34,750
1422	Analytical Lab	762,085	335,442	74,879	145,900	33,325
1430	Pre-treatment	335,256	140,013	12,092	9,500	11,000
1435	Cross Connection Control	110,392	52,320	8,312	12,550	4,500
1440	Health & Safety	257,303	101,196	58,548	24,700	39,600
2120	Substations and Relaying	1,086,004	439,076	119,585	46,500	48,500
2130	Electric Trans & Dist Construction and Maintenance	1,444,870	670,637	27,905	176,300	70,000
2150	Energy Control Center Operations	1,001,944	390,855	88,374	600	7,700
2210	SCADA & Electrical Support Services	1,218,386	526,792	32,431	310,000	373,300
2220	Power Production	1,550,772	640,527	311,397	104,000	36,100
2310	Electric Meter Shop	329,558	149,280	7,407	30,300	12,400
2410	Electric Engineering	563,287	232,095	35,314	3,400	9,300
3110	W&WW Eng. Planning & Operations	110,015	54,878	15,588	-	1,000
3120	Water Plant I	432,657	199,223	234,474	885,999	7,625
3130	Water Plant II	295,255	148,020	213,666	727,045	5,700
3135	Resaca Maintenance	380,167	(119,688)	21,000	124,009	22,813
3140	Raw Water Supply	133,289	64,602	169,290	81,900	86,800
3145	W/WW Plant Maintenance	503,190	222,412	5,784	115,000	23,200
3150	W/WW Operations & Construction	2,303,250	1,093,853	54,276	660,750	45,500
3210	South Wastewater Treatment Plant	319,203	153,485	477,621	140,420	11,295
3220	Robindale Wastewater Treatment Plnt	474,773	214,301	521,742	388,613	11,345
3225	W/WW Sludge Management	313,154	154,408	2,752	26,050	3,743
3230	Wastewater Lift Stations	1,442,051	617,839	627,447	221,900	45,100
3310	Water & Wastewater Engineering	616,288	242,066	22,626	2,500	12,488
4105	Operations	416,132	148,909	21,555	400	600
4110	Energy Risk Management	88,837	28,636	5,824	400	500
4210	NERC Compliance	328,856	128,551	9,848	150	176,800
4220	Fuel & Purchased Energy Supply	130,707	56,669	7,900	-	1,325,700
4230	Natural Gas Utility Management	-	-	-	-	-
4310	Operational Support Services	406,812	157,270	14,701	450	3,500
5110	Finance	605,580	235,725	37,222	100	13,500
5120	Accounting	673,578	320,389	20,355	175	3,280
5130	Purchasing	338,296	148,773	49,140	1,250	4,600
5140	Revenue Recovery	136,023	64,798	4,165	8,433	4,508
6105	Customer & Information Services	195,925	83,637	7,828	-	51,200
6110	Customer Service	512,793	241,308	12,366	-	6,500
6115	Collections	145,147	74,014	3,494	1,000	300,600
6120	Billing	341,339	169,989	351,131	68,000	87,300
6125	Call Center	390,421	224,145	4,823	-	1,200
6130	Meter Services	337,249	165,131	9,939	17,200	16,850
6135	CIS Support	174,518	68,125	6,433	500	600
6145	Energy Efficiency & Conservation	48,651	21,804	4,572	400	438,100
6150	Meter Reading	390,152	204,045	11,287	18,000	16,400
6160	Cashiers	273,010	140,460	10,292	4,500	700
7120	Risk/Insurance Management	108,659	51,332	5,924	100	2,400,100
7130	Information Technology	1,067,280	445,424	228,154	7,000	1,400
7135	Geographic Information Systems	450,240	198,933	16,454	2,500	151,000
7140	Human Resources	202,691	163,848	18,119	500	63,700
7145	Talent Acquisition & Staffing	165,381	77,577	18,391	500	700
7150	Fleet Management	370,240	152,671	49,408	13,500	42,200
7155	Compensation & Benefits	226,568	155,475	17,632	500	10,000
7160	Facility Maintenance	143,412	72,872	266,346	47,000	1,633
7165	Security Operations	130,249	60,541	-	-	-
7170	Warehouse	165,177	98,707	-	5,400	3,000
7175	Facility Maintenance-FM 511 Service Yard	113,301	64,090	81,700	10,000	942
9110	Company-wide Expenses	161,921	3,706,705	-	250	6,021,747
	Grand Total	\$ 27,837,718	\$ 15,647,501	\$ 5,131,034	\$ 4,493,258	\$ 12,648,972
LESS:						
	Fuel & Purchase Power	\$ -	\$ -	\$ -	\$ -	\$ -
	SRWA Obligations	-	-	-	-	5,899,247
	TOTAL OPERATIONS & MAINTENANCE	\$ 27,837,718	\$ 15,647,501	\$ 5,131,034	\$ 4,493,258	\$ 6,749,725

OPERATIONS & MAINTENANCE EXPENSE RECAP BY DEPARTMENT & TYPE FY 2020

TYPE DESCRIPTION					
74	75	76	77	78	
TRANSP.	MAINT. OF	CONSULTANTS/	FUEL &	PURCH/MINOR	
EXP.	GENERAL PLANT	OUTSIDE SVC.	PURCH. POWER	TOOLS & EQUIP.	GRAND TOTAL
\$ -	\$ -	\$ 1,234,000	\$ -	\$ 1,800	\$ 1,729,253
500	-	-	-	-	353,819
800	-	19,080	-	3,900	304,418
-	-	27,000	-	-	268,300
500	-	200,000	-	10,527	983,127
200	-	107,550	-	4,060	406,943
-	-	550	-	1,975	452,313
-	-	75,000	-	1,000	164,598
500	-	300,975	-	135,240	710,942
1,200	-	250,000	-	1,252	1,310,916
2,000	24,000	338,000	-	2,152	986,286
6,000	153,200	318,400	-	61,919	1,891,150
5,500	20,408	42,500	-	6,500	582,769
2,000	-	560,500	-	3,200	753,774
4,000	-	413,200	-	64,600	963,147
17,000	123,000	40,000	-	33,500	1,953,165
100,000	653,800	32,000	-	201,000	3,376,511
500	2,850	2,750	-	5,645	1,501,217
26,000	15,000	338,000	-	76,000	2,915,908
3,600	905,410	320,884	8,771,345	22,900	12,666,935
12,000	184,000	2,000	-	18,500	745,445
3,000	246,900	823,600	-	29,100	1,945,996
-	-	5,800	-	1,200	188,481
1,500	128,650	363,635	-	62,000	2,315,763
1,425	137,956	93,550	-	67,501	1,690,118
36,100	1,000	(52,341)	-	20,916	433,977
8,000	225,000	106,000	-	9,650	884,531
24,600	-	671,000	-	25,800	1,590,986
150,000	688,500	1,166,500	-	196,400	6,359,029
13,000	289,272	122,440	-	16,600	1,543,336
15,000	229,500	87,600	-	20,100	1,962,974
50,000	-	-	-	800	550,907
75,000	111,600	475,000	-	236,900	3,852,837
14,000	400	269,714	-	2,073	1,182,155
-	-	150,300	-	-	737,897
-	-	60,000	-	4,600	188,796
-	-	1,000	-	5,000	650,205
-	-	28,500	59,381,000	295	60,930,771
-	-	5,000	-	-	5,000
-	-	1,007,500	-	900	1,591,133
-	-	285,000	-	3,500	1,180,628
-	-	68,939	-	3,144	1,089,860
-	5,000	10,125	-	1,575	558,759
3,000	-	-	-	175	221,102
-	-	41,500	-	-	380,090
-	-	56,700	-	3,500	833,167
-	-	15,000	-	-	539,256
3,500	-	6,500	-	2,500	1,030,259
-	-	31,700	-	2,420	654,710
25,000	1,500	4,000	-	2,500	579,369
-	-	280,001	-	-	530,177
500	-	73,000	-	750	587,777
20,000	1,500	13,100	-	1,500	675,984
-	-	293,814	-	10,000	732,776
3,000	-	90,000	-	-	2,659,115
1,000	-	1,007,900	-	396,000	3,154,158
5,000	-	110,000	-	12,500	946,627
-	-	250,000	-	500	699,358
-	-	70,000	-	-	332,548
529,000	-	415,000	-	20,000	1,592,019
-	-	71,500	-	22,500	504,175
-	20,000	676,971	-	3,000	1,231,233
-	-	1,000,000	-	-	1,190,790
2,500	500	23,200	-	3,886	302,370
-	20,000	93,386	-	2,500	385,919
-	-	1,371,000	-	80,000	11,341,623
\$ 1,166,425	\$ 4,188,946	\$ 16,365,523	\$ 68,152,345	\$ 1,927,955	\$ 157,559,677
\$ -	\$ -	\$ -	\$ 68,152,345	\$ -	\$ 68,152,345
-	-	-	-	-	5,899,247
\$ 1,166,425	\$ 4,188,946	\$ 16,365,523	\$ -	\$ 1,927,955	\$ 83,508,085

OPERATIONS & MAINTENANCE EXPENSE RECAP BY DEPARTMENT

FY 2016 – FY 2020

ORG. NO.	DEPARTMENT	Actual FY 2016	Actual FY 2017	Actual FY 2018	Amended Budget FY 2019	UNAUDITED Actual FY 2019	Approved Budget FY 2020
1110	General Manager	\$ 1,540,110	\$ 2,117,848	\$ 1,917,207	\$ 1,660,399	\$ 2,186,863	\$ 1,729,253
1120	Internal Audit	288,679	301,273	308,051	312,380	341,619	353,819
1125	Key Account Marketing	258,213	337,754	286,937	356,008	300,570	304,418
1130	Communications & Administrative Svc	264,770	256,773	254,792	279,382	230,732	268,300
1135	Communications & Public Relations	735,295	804,296	823,557	1,401,066	634,337	983,127
1140	Training and Organizational Development	338,837	302,752	422,531	417,802	386,244	406,943
1145	Electrical Systems	398,992	451,865	453,343	437,675	363,019	452,313
1150	Board of Directors	245,009	310,738	210,423	253,175	115,832	164,598
1165	Records Management	212,713	346,167	389,829	553,916	369,756	710,942
1410	Environmental Services	998,941	1,183,727	1,036,847	1,453,774	1,164,494	1,310,916
1420	Environmental Compliance	949,894	958,689	885,039	1,027,178	866,583	986,286
1422	Analytical Lab	1,563,751	1,636,404	1,771,911	1,814,578	1,674,429	1,891,150
1430	Pre-treatment	923,679	591,418	601,065	643,067	629,044	582,769
1435	Cross Connection Control	-	212,997	225,212	530,662	259,090	753,774
1440	Health & Safety	1,094,945	1,387,180	1,567,202	2,355,502	1,351,340	963,147
2110	Elect Trans & Dist Support Services	27,493	-	-	-	-	-
2120	Substations and Relaying	1,651,724	2,016,455	1,905,214	2,191,333	1,958,950	1,953,165
2130	Electric Trans & Dist Construction and Maint	1,213,610	1,307,246	1,502,979	3,307,461	3,450,567	3,376,511
2140	Elec Trans & Dist Maintenance	2,097,581	1,752,987	1,377,060	-	(7,767)	-
2150	Energy Control Center Operations	1,375,352	1,562,728	1,587,458	1,496,509	1,500,416	1,501,217
2210	SCADA & Electrical Support Services	2,031,367	2,232,002	2,785,645	2,799,209	2,737,047	2,915,908
2220	Power Production	11,551,629	12,629,747	13,049,194	12,353,492	11,631,730	12,666,935
2310	Electric Meter Shop	604,615	640,743	839,893	750,705	781,223	745,445
2410	Electric Engineering	1,957,105	2,121,771	1,973,524	1,991,561	2,111,237	1,945,996
3110	W&WW Eng, Planning & Operations	214,194	231,042	266,665	244,856	150,451	188,481
3120	Water Plant I	1,412,958	1,512,472	1,948,602	2,130,138	1,762,555	2,315,763
3130	Water Plant II	1,482,192	1,277,117	1,334,659	1,631,498	1,268,199	1,690,118
3135	Resaca Maintenance	1,269,068	587,504	889,011	862,718	877,325	433,977
3140	Raw Water Supply	408,058	486,526	833,141	1,130,707	513,911	884,531
3145	W/WW Plant Maintenance	1,117,214	1,360,653	1,757,464	1,849,761	1,646,761	1,590,986
3150	W/WW Operations & Construction	4,929,683	5,162,830	5,255,239	6,387,121	5,436,217	6,359,029
3210	South Wastewater Treatment Plant	1,334,827	1,205,394	1,297,187	1,243,420	1,302,325	1,543,336
3220	Robindale Wastewater Treatment Plnt	1,483,391	1,923,773	1,983,318	1,631,263	1,897,881	1,962,974
3225	W/WW Sludge Management	-	-	-	642,630	675,080	550,907
3230	Wastewater Lift Stations	4,238,507	4,039,709	3,764,686	3,591,617	3,813,108	3,852,837
3310	Water & Wastewater Engineering	851,943	720,178	917,010	1,268,897	812,608	1,182,155
4105	Operations	626,414	795,565	926,358	697,358	718,795	737,897
4110	Energy Risk Management	236,168	169,777	202,843	238,147	223,401	188,796
4210	NERC Compliance	401,075	519,202	524,592	733,006	662,098	650,205
4220	Fuel & Purchased Energy Supply	51,995,660	58,498,007	61,853,777	60,667,027	63,792,061	60,930,771
4230	Natural Gas Utility Management	-	-	-	27,600	-	5,000
4310	Operational Support Services	593,405	580,408	589,386	1,637,073	931,672	1,591,133
5110	Finance	935,475	952,463	1,123,472	1,047,596	1,086,956	1,180,628
5120	Accounting	897,366	993,624	1,007,649	1,020,704	1,097,200	1,089,860
5130	Purchasing	500,548	588,779	571,702	554,955	556,991	558,759
5140	Revenue Recovery	204,699	205,914	220,757	219,931	211,747	221,102
6105	Customer & Information Services	308,382	357,399	334,306	354,495	368,123	380,090
6110	Customer Service	805,405	808,466	889,551	770,414	846,460	833,167
6115	Collections	206,162	1,202,508	447,066	1,033,978	650,993	539,256
6120	Billing	836,909	825,231	894,289	913,690	1,003,452	1,030,259
6125	Call Center	531,491	570,357	603,926	634,539	618,427	654,710
6130	Meter Services	509,206	556,073	557,557	644,454	596,066	579,369
6135	CIS Support	379,808	425,761	400,335	509,303	459,594	530,177
6145	Energy Efficiency & Conservation	533,175	574,794	544,029	658,272	620,241	587,777
6150	Meter Reading	610,082	650,955	668,398	670,198	699,285	675,984
6160	Cashiers	882,740	925,438	929,693	1,023,270	1,056,551	732,776
7120	Risk/Insurance Management	1,956,645	2,004,262	1,976,625	2,613,608	1,923,312	2,659,115
7130	Information Technology	2,490,559	2,659,318	3,012,244	3,117,334	2,930,896	3,154,158
7135	Geographic Information Systems	998,949	969,504	1,079,540	1,033,679	1,087,936	946,627
7140	Human Resources	1,060,363	663,631	599,450	679,562	824,225	699,358
7145	Talent Acquisition and Staffing	198,064	268,562	307,208	396,063	311,563	332,548
7150	Fleet Management	1,720,059	1,709,346	2,092,344	1,564,160	1,619,547	1,592,019
7155	Compensation & Benefits	-	475,736	430,257	588,766	380,059	504,175
7160	Facility Maintenance	1,088,737	1,218,516	1,187,474	1,162,505	1,259,686	1,231,233
7165	Security Operations	-	-	-	-	-	1,190,790
7170	Warehouse	308,272	325,384	350,055	339,824	325,604	302,370
7175	Facility Maintenance-FM 511 Service Yard	-	-	-	-	-	385,919
9110	Company-wide Expenses	8,300,445	8,967,383	7,811,709	10,188,338	11,488,674	11,341,623
9150	Prior FY Encumbered Budget	413,404	4,699	-	-	-	-
TOTAL APPROPRIATIONS		\$ 131,596,011	\$ 143,437,819	\$ 148,558,482	\$ 156,741,306	\$ 153,545,392	\$ 157,559,677
LESS:							
FUEL & PURCHASED POWER		\$ 59,987,648	\$ 67,049,242	\$ 68,391,914	\$ 67,901,345	\$ 70,463,755	\$ 68,152,345
SRWA ASSESSMENTS		5,910,676	5,878,725	5,934,637	5,953,229	5,953,229	5,899,247
TOTAL OPERATIONS & MAINTENANCE		\$ 65,697,687	\$ 70,509,852	\$ 74,231,931	\$ 82,886,732	\$ 77,128,408	\$ 83,508,085

Note:

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

OPERATIONS & MAINTENANCE EXPENSE RECAP BY DEPARTMENT FY 2020 BUDGET

ORGN	DEPARTMENT	OPERATIONS & MAINTENANCE		TOTAL O&M
		PERSONNEL	NON-PERSONNEL	
1110	General Manager	\$ 420,318	\$ 1,308,935	\$ 1,729,253
1120	Internal Audit	337,485	16,334	353,819
1125	Key Account Marketing	248,608	55,810	304,418
1130	Communications & Administrative Svc	222,897	45,403	268,300
1135	Communications & Public Relations	315,691	667,436	983,127
1140	Training and Organizational Development	270,816	136,127	406,943
1145	Electrical Systems	440,369	11,944	452,313
1150	Board of Directors	-	164,598	164,598
1165	Records Management	233,846	477,096	710,942
1410	Environmental Services	572,203	738,713	1,310,916
1420	Environmental Compliance	546,507	439,779	986,286
1422	Analytical Lab	1,097,527	793,623	1,891,150
1430	Pre-treatment	475,269	107,500	582,769
1435	Cross Connect Control	162,712	591,062	753,774
1440	Health & Safety	358,499	604,648	963,147
2120	Substations and Relaying	1,525,080	428,085	1,953,165
2130	Electric Trans & Dist Construction and Maintenance	2,115,506	1,261,005	3,376,511
2150	Energy Control Center Operations	1,392,798	108,419	1,501,217
2210	SCADA & Electrical Support Services	1,745,177	1,170,731	2,915,908
2220	Power Production	2,191,299	10,475,636	12,666,935
2310	Electric Meter Shop	478,838	266,607	745,445
2410	Electric Engineering	795,382	1,150,614	1,945,996
3110	W&WW Eng, Planning & Operations	164,893	23,588	188,481
3120	Water Plant I	631,880	1,683,883	2,315,763
3130	Water Plant II	443,275	1,246,843	1,690,118
3135	Resaca Maintenance	260,479	173,497	433,977
3140	Raw Water Supply	197,891	686,640	884,531
3145	W/WW Plant Maintenance	725,602	865,384	1,590,986
3150	W/WW Operations & Construction	3,397,103	2,961,926	6,359,029
3210	South Wastewater Treatment Plant	472,688	1,070,648	1,543,336
3220	Robindale Wastewater Treatment Plnt	689,074	1,273,900	1,962,974
3225	W/WW Sludge Management	467,562	83,345	550,907
3230	Wastewater Lift Stations	2,059,890	1,792,947	3,852,837
3310	Water & Wastewater Engineering	858,354	323,801	1,182,155
4105	Operations	565,042	172,855	737,897
4110	Energy Risk Management	117,472	71,324	188,796
4210	NERC Compliance	457,407	192,798	650,205
4220	Fuel & Purchased Energy Supply	187,376	60,743,395	60,930,771
4230	Natural Gas Utility Management	-	5,000	5,000
4310	Operational Support Services	564,082	1,027,051	1,591,133
5110	Finance	841,306	339,322	1,180,628
5120	Accounting	993,967	95,892	1,089,860
5130	Purchasing	487,069	71,690	558,759
5140	Revenue Recovery	200,821	20,281	221,102
6105	Customer & Information Services	279,562	100,528	380,090
6110	Customer Service	754,101	79,066	833,167
6115	Collections	219,162	320,094	539,256
6120	Billing	511,328	518,931	1,030,259
6125	Call Center	614,567	40,143	654,710
6130	Meter Services	502,380	76,989	579,369
6135	CIS Support	242,642	287,534	530,177
6145	Energy Efficiency & Conservation	70,455	517,322	587,777
6150	Meter Reading	594,197	81,787	675,984
6160	Cashiers	413,470	319,306	732,776
7120	Risk/Insurance Management	159,991	2,499,124	2,659,115
7130	Information Technology	1,512,704	1,641,454	3,154,158
7135	Geographic Information Systems	649,173	297,454	946,627
7140	Human Resources	366,539	332,819	699,358
7145	Talent Acquisition and Staffing	242,957	89,591	332,548
7150	Fleet Management	522,911	1,069,108	1,592,019
7155	Compensation & Benefits	382,043	122,132	504,175
7160	Facility Maintenance	216,283	1,014,950	1,231,233
7165	Security Operations	190,790	1,000,000	1,190,790
7170	Warehouse	263,884	38,486	302,370
7175	Facility Maintenance-FM 511 Service Yard	177,391	208,528	385,919
9110	Company-wide Expenses	3,868,626	7,472,997	11,341,623
	TOTAL APPROPRIATIONS	\$ 43,485,219	\$ 114,074,458	\$ 157,559,677
LESS:				
	FUEL & PURCHASED POWER	\$ -	\$ 68,152,345	\$ 68,152,345
	SRWA ASSESSMENTS	-	5,899,247	5,899,247
	TOTAL OPERATIONS & MAINTENANCE	\$ 43,485,219	\$ 40,022,866	\$ 83,508,085

**FY 2020 APPROVED BUDGETED NUMBER OF POSITIONS
BY DIVISION/ORGANIZATION**

DIVISION NAME	ORGANIZATION	POSITION TITLE	NUMBER OF POSITIONS
Communications & Admin Svc Division	1130 Communications & Administrative Svc	DIRECTOR OF COMM/ADMIN SERV	1
		SENIOR ADMINISTRATIVE ASST	1
		ORG TOTAL:	2
	1135 Communications & Public Relations	COMMUNICATIONS & PR MANAGER	1
		SENIOR COMM & PR COORDINATOR	2
		SENIOR WEB SERVICES COORD	1
		ORG TOTAL:	4
	1165 Records Management	ENTERPRISE CONTENT/REC/POL MGR	1
		RECORDS MANAGEMENT COORD	1
		SENIOR RECORDS ASSISTANT	1
		ORG TOTAL:	3
	1440 Health & Safety	ADMINISTRATIVE ASSISTANT	1
		HEALTH & SAFETY ADMINISTRATOR	1
		HEALTH & SAFETY MANAGER	1
		SENIOR SAFETY TRAINING COORD	1
		ORG TOTAL:	4
	7120 Risk/Insurance Management	RISK MANAGEMENT COORDINATOR	1
		RISK MANAGER	1
		WORKERS' COMPENSATION COORD	1
		ORG TOTAL:	3
	7165 Security Operations	SECURITY COORDINATOR	1
		SECURITY MANAGER	1
		ORG TOTAL:	2
		DIVISION TOTAL:	18
Customer & Information Svc Division	1125 Key Account Marketing	BUS DEVL & KEY ACCTS MANAGER	1
		BUSINESS DEVELOPMENT REP	1
		KEY ACCOUNTS REPRESENTATIVE	1
		SENIOR KEY ACCOUNTS REP	1
		ORG TOTAL:	4
	6105 Customer & Information Services	ADMINISTRATIVE ASSISTANT	1
		ADMINISTRATIVE CLERK	1
		DIR OF CUST SERV/INFO TECH	1
		ORG TOTAL:	3
	6110 Customer Service	CUSTOMER SERVICE MANAGER	1
		CUSTOMER SERVICE SUPERVISOR	1
		CUSTOMER SOLUTIONS REP	2
		LEAD CUSTOMER SOLUTIONS REP	6
		SENIOR CUSTOMER SOLUTIONS REP	4
		ORG TOTAL:	14
	6115 Collections	CUSTOMER SERVICE SUPERVISOR	1
		LEAD CUSTOMER SOLUTIONS REP	1
		SENIOR CUSTOMER SOLUTIONS REP	2
		ORG TOTAL:	4
	6120 Billing	BILLING MANAGER	1
		CUSTOMER SERVICE SUPERVISOR	1
		CUSTOMER SOLUTIONS REP	1
		LEAD CUSTOMER SOLUTIONS REP	2
		MESSENGER	1
		SENIOR CUSTOMER SOLUTIONS REP	3
		ORG TOTAL:	9
	6125 Call Center	CUSTOMER SERVICE SUPERVISOR	1
		CUSTOMER SOLUTIONS REP	5
		LEAD CUSTOMER SOLUTIONS REP	3
		SENIOR CUSTOMER SOLUTIONS REP	3
		ORG TOTAL:	12
	6130 Meter Services	LEAD METER SERVICES TECHNICIAN	1
		METER SERVICES SUPERVISOR	1
		METER SERVICES TECHNICIAN	3
		SENIOR METER SERVICES TECH	4
		ORG TOTAL:	9

continued

**FY 2020 APPROVED BUDGETED NUMBER OF POSITIONS
BY DIVISION/ORGANIZATION – CONTINUED**

DIVISION NAME	ORGANIZATION	POSITION TITLE	NUMBER OF POSITIONS
Customer & Information Svc Division (continued)	6135 CIS Support	CIS SUPPORT MANAGER	1
		SENIOR CUST SOLUTIONS ANALYST	2
		ORG TOTAL:	3
	6145 Energy Efficiency & Conservation	ENERGY EFF & CONSERV COORD	1
		ORG TOTAL:	1
	6150 Meter Reading	METER READER	9
		METER READING SUPERVISOR	1
		SENIOR METER READER	4
		ORG TOTAL:	14
	6160 Cashiers	CUSTOMER SERVICE SUPERVISOR	1
		CUSTOMER SOLUTIONS REP	1
		LEAD CUSTOMER SOLUTIONS REP	2
		SENIOR CUSTOMER SOLUTIONS REP	4
		ORG TOTAL:	8
	7130 Information Technology	AREA MANAGER	1
		COMPUTER TECH SUPPORT SPEC	2
		INFORMATION TECH PROJECT COORD	3
		IT CYBER SECURITY ADM	1
		IT HARDWARE SUPPORT MGR	1
		IT SYS PLAN/PROJECT COORD MGR	1
		IT SYS/SOFTWARE SUPP MGR	1
		LEAD IT NETWORK/COMM SUPP ADM	1
		LEAD MICROCOMPUTER SUPP SPEC	1
		NETWORK ADMINISTRATOR	1
		NETWORK TECH SPECIALIST	1
		SENIOR INFO TECH PROJECT COORD	1
		SYSTEMS PROGRAMMER ANALYST	1
		WIRELESS COMM & NETWORK COORD	1
		ORG TOTAL:	17
		DIVISION TOTAL:	98
Electrical Systems Division	1145 Electrical Systems	AREA MANAGER	1
		DIRECTOR OF ELECTRICAL SYSTEMS	1
		SENIOR ADMINISTRATIVE ASST	1
		ORG TOTAL:	3
	2120 Substations and Relaying	ADMINISTRATIVE ASSISTANT	1
		ELECTRIC FOREMAN (CERTIFIED)	1
		GROUND WORKER	1
		LEAD RELAY TECHNICIAN	1
		LINEWORKER (CERTIFIED)	5
		LINEWORKER (NON-CERTIFIED)	1
		MAINTENANCE WORKER	1
		SENIOR ELECTRONIC TECHNICIAN	5
		SENIOR MAINTENANCE WORKER	1
		SENIOR RELAY COORDINATOR	1
		SUBSTATION SUPERVISOR	1
		SUBSTATION TECHNICIAN	3
		SUBSTATIONS & RELAYING MANAGER	1
		ORG TOTAL:	23
	2130 Elec T&D Construction & Maintenance	ADMINISTRATIVE ASSISTANT	1
		APPRENTICE LINEWORKER	11
		ELECTRIC FOREMAN (CERTIFIED)	7
		ELECTRIC OPERATIONS MANAGER	1
		GROUND WORKER	7
		LINEWORKER (CERTIFIED)	11
		LINEWORKER (NON-CERTIFIED)	2
		MAINTENANCE WORKER	6
		SENIOR GRADUATE ENGINEER	1
		SENIOR MAINTENANCE WORKER	3
		ORG TOTAL:	50

continued

**FY 2020 APPROVED BUDGETED NUMBER OF POSITIONS
BY DIVISION/ORGANIZATION – CONTINUED**

DIVISION NAME	ORGANIZATION	POSITION TITLE	NUMBER OF POSITIONS
Electrical Systems Division (continued)	2150 Energy Control Center Operations	ADMINISTRATIVE ASSISTANT	1
		DISPATCH CLERK	1
		ENERGY SYSTEM OPERATIONS MGR	1
		ENERGY SYSTEM OPERATOR	2
		ENERGY SYSTEM OPERATOR APR	2
		LEAD ENERGY SYSTEM OPERATOR	5
		SENIOR ENERGY SYSTEM OPERATOR	3
		ORG TOTAL:	15
	2220 Power Production	ACTING POWER PLANT MANAGER	1
		ADMINISTRATIVE ASSISTANT	1
		GRADUATE ENGINEER	1
		LAB TECHNICIAN-OPERATOR	1
		LD POWER PLANT INSTRUMENT TECH	1
		MAINTENANCE MECHANIC	3
		POWER PLANT FOREMAN	5
		POWER PLANT INSTRUMENT TECH	1
		POWER PLANT MAINTENANCE SUPR	1
		POWER PLANT MAINTENANCE TECH	4
		POWER PLANT MANAGER	1
		POWER PLANT OPERATIONS SUPR	1
		POWER PLANT OPERATOR	3
		SENIOR POWER PLANT OPERATOR	3
		ORG TOTAL:	27
	2310 Electric Meter Shop	ELECTRIC METER SHOP SUPERVISOR	1
		GRADUATE ENGINEER	1
		METER TECHNICIAN	2
		METER TECHNICIAN APPRENTICE	2
		SENIOR METER TECHNICIAN	2
		ORG TOTAL:	8
	2410 Electric Engineering	ADMINISTRATIVE ASSISTANT	1
		CAD DRAFTER	1
		ENGINEER (REGISTERED)	3
		ENGINEERING MANAGER	1
		GRADUATE ENGINEER	3
		OPERATIONS ENGINEER REGISTERED	1
		SENIOR ENGINEERING TECHNICIAN	1
		SENIOR GRADUATE ENGINEER	2
		ORG TOTAL:	13
	4220 Fuel & Purchased Energy Supply	FUEL & PURCHASED ENERGY COORD	1
		FUEL/PURCHASED ENERGY MANAGER	1
		ORG TOTAL:	2
		DIVISION TOTAL:	141
Environmental Division	1410 Environmental Services	DIR OF ENVIRONMENTAL SERVICES	1
		ENVIRO SOFTWARE SOLUTIONS SPEC	1
		QUALITY ASSURANCE SPECIALIST	3
		SENIOR ADMINISTRATIVE ASST	1
		ORG TOTAL:	6
	1420 Environmental Compliance	ACTING REGULATORY COMP SPEC	1
		ENVIRONMENTAL MANAGER	1
		REGULATORY COMPLIANCE SPEC	2
		SENIOR ENVIRONMENTAL TECH	1
		SENIOR REG COMPLIANCE SPEC	1
		ORG TOTAL:	6
	1422 Analytical Lab	ADMINISTRATIVE ASSISTANT	1
		CHEMIST	3
		LAB & CROSS CONN CONT MANAGER	1
		LAB COMPLIANCE COORDINATOR	2
		LABORATORY SUPERVISOR	1
		LABORATORY TECHNICIAN	2
		SENIOR LABORATORY TECHNICIAN	6
		ORG TOTAL:	16

continued

**FY 2020 APPROVED BUDGETED NUMBER OF POSITIONS
BY DIVISION/ORGANIZATION – CONTINUED**

DIVISION NAME	ORGANIZATION	POSITION TITLE	NUMBER OF POSITIONS
Environmental Division (continued)	1430 Pre-treatment	ADMINISTRATIVE ASSISTANT	1
		ENVIRONMENTAL TECHNICIAN	2
		PRETREATMENT COORDINATOR	1
		PRETREATMENT MANAGER	1
		SENIOR ENVIRONMENTAL TECH	1
		SENIOR PRETREATMENT COORD	1
		ORG TOTAL:	7
	1435 Cross Connection Control	CROSS CONNECT COMPLIANCE TECH	1
		LD CROSS CONNECT CONTROL COORD	1
		SENIOR ENVIRONMENTAL TECH	1
		ORG TOTAL:	3
		DIVISION TOTAL:	38
Finance Division	5110 Finance	BUSINESS PROCESS ADMINISTRATOR	1
		BUSINESS PROCESS ANALYST	1
		CHIEF FINANCIAL OFFICER	1
		EXECUTIVE ASSISTANT	1
		FINANCIAL MANAGER	1
		SENIOR BUDGET ANALYST	1
		SENIOR FINANCIAL ANALYST	1
		TREAS & ACCT SUPP SERV MANAGER	1
		UTILITY RATES ADMINISTRATOR	1
		ORG TOTAL:	9
	5120 Accounting	ACCOUNTANT	5
		ACCOUNTS PAYABLE SUPERVISOR	1
		ACTING CONTROLLER	1
		CONTROLLER	1
		DIRECTOR OF FINANCE	1
		FISCAL MANAGER	1
		GRANTS COORD APPRENTICE	1
		LEAD ACCOUNTING CLERK	3
		PAYROLL SPECIALIST	1
		SENIOR ACCOUNTING CLERK	2
		ORG TOTAL:	17
	5130 Purchasing	BUYER	3
		CONTRACTS COORDINATOR	1
		MATERIALS & WAREHOUSE MANAGER	1
		PURCHASING CLERK	1
		SENIOR BUYER	1
		ORG TOTAL:	7
	5140 Revenue Recovery	REVENUE RECOVERY SUPERVISOR	1
		REVENUE RECOVERY TECHNICIAN	2
		ORG TOTAL:	3
	7160 Facility Maintenance	CUSTODIAN	2
		FACILITIES MAINT MANAGER	1
		LEAD CUSTODIAN	1
		ORG TOTAL:	4
	7170 Warehouse	SENIOR STOREKEEPER	1
		STOREKEEPER	3
		WAREHOUSE SUPERVISOR	1
		ORG TOTAL:	5
	7175 Facility Maintenance-FM511 Svc Yard	CUSTODIAN	1
		FACILITY MAINTENANCE SUPERVISOR	1
		LEAD CUSTODIAN	1
		MAINTENANCE WORKER	1
		ORG TOTAL:	4
		DIVISION TOTAL:	49
General Manager Division	1110 General Manager	GENERAL MANAGER & CEO	1
		SENIOR ADMINISTRATIVE ASST	1
		SENIOR EXECUTIVE ASSISTANT	1
		ORG TOTAL:	3

continued

**FY 2020 APPROVED BUDGETED NUMBER OF POSITIONS
BY DIVISION/ORGANIZATION – CONTINUED**

DIVISION NAME	ORGANIZATION	POSITION TITLE	NUMBER OF POSITIONS
General Manager Division (continued)	1120 Internal Audit	AUDIT MANAGER	1
		LEAD INTERNAL AUDITOR	1
		SENIOR INTERNAL AUDITOR	1
		ORG TOTAL:	3
		DIVISION TOTAL:	6
Human Resources Division	1140 Training and Organizational Develop	SENIOR TRAIN/ORG DEVL COORD	1
		TRAIN/ORG DEVL ADMIN	1
		TRAINING/ORG DEVL MANAGER	1
		ORG TOTAL:	3
		DIVISION TOTAL:	13
	7140 Human Resources	DIRECTOR OF HUMAN RESOURCES	1
		SENIOR ADMINISTRATIVE ASST	1
		SENIOR HUMAN RESOURCES ASST	1
		ORG TOTAL:	3
		DIVISION TOTAL:	13
	7145 Talent Acquisition and Staffing	SENIOR TALENT ACQ / STAFF SPEC	1
		TALENT ACQ / STAFF MANAGER	1
		TALENT ACQUISITION/STAFF SPEC	1
		ORG TOTAL:	3
		DIVISION TOTAL:	13
	7155 Compensation & Benefits	COMPENSATION & BENEFITS SPEC	1
		COMPENSATION /BENEFITS ANALYST	1
		COMPENSATION/BENEFITS MANAGER	1
		HUMAN RESOURCES COORDINATOR	1
		ORG TOTAL:	4
Operational Support Servcs Division	2210 SCADA & Electrical Support Services	DIVISION TOTAL:	13
		ADMINISTRATIVE ASSISTANT	1
		ELECTRICAL MAINT SUPERVISOR	1
		ELECTRICAL SCADA SUPERVISOR	1
		ELECTRICIAN	4
		INSTRUMENT TECHNICIAN	1
		JOURNEYMAN ELECTRICIAN	3
		MASTER ELECTRICIAN	1
		SCADA & ELEC SUPP SVC MANAGER	1
		SCADA NERC COMP COORD	1
		SCADA NETWORK ADMINISTRATOR	2
		SCADA SYSTEMS ANALYST	1
		SENIOR INSTRUMENT TECHNICIAN	1
		SENIOR SCADA ELECTRONIC TECH	3
		W/WW SCADA SUPERVISOR	1
		W/WW SCADA SYSTEM ADMINISTRATO	1
		ORG TOTAL:	23
	3120 Water Plant I	ADMINISTRATIVE ASSISTANT	1
		LEAD W/WW OPERATOR	1
		W/WW OPERATOR A	3
		W/WW OPERATOR C	3
		W/WW OPERATOR CHIEF	1
		WATER TREATMENT MANAGER	1
		ORG TOTAL:	10
	3130 Water Plant II	LEAD W/WW OPERATOR	1
		W/WW OPERATOR A	1
		W/WW OPERATOR B	1
		W/WW OPERATOR C	4
		W/WW OPERATOR CHIEF	1
		ORG TOTAL:	8
	3135 Resaca Maintenance	ADMINISTRATIVE ASSISTANT	1
		DREDGE OPERATOR	2
		DREDGE TECHNICIAN	1
		FOREMAN	1
		LEAD RESACA MAINTENANCE OPER	1
		MAINTENANCE WORKER	1
		RESACA MAINTENANCE OPER D	1
		WATER RESOURCE MANAGER	1
		ORG TOTAL:	9

continued

**FY 2020 APPROVED BUDGETED NUMBER OF POSITIONS
BY DIVISION/ORGANIZATION – CONTINUED**

DIVISION NAME	ORGANIZATION	POSITION TITLE	NUMBER OF POSITIONS
Operational Support Servcs Division (continued)	3140 Raw Water Supply	RAW WATER SYSTEM OPERATOR D	1
		RAW WATER SYSTEM SUPERVISOR	1
		RAW WATER SYSTEMS OPERATOR A	1
		RAW WATER SYSTEMS OPERATOR C	1
		ORG TOTAL:	4
	3210 South Wastewater Treatment Plant	LEAD W/WW OPERATOR	1
		W/WW OPERATOR A	4
		W/WW OPERATOR B	1
		W/WW OPERATOR C	1
		W/WW OPERATOR CHIEF	1
		W/WW OPERATOR D	1
		ORG TOTAL:	9
	3220 Robindale Wastewater Treatment Plnt	ADMINISTRATIVE ASSISTANT	1
		LEAD W/WW OPERATOR	1
		W/WW OPERATOR A	2
		W/WW OPERATOR B	2
		W/WW OPERATOR C	2
		W/WW OPERATOR CHIEF	1
		WASTEWATER TREATMENT MANAGER	1
		ORG TOTAL:	10
	3225 W/WW Sludge Management	MOTOR EQUIP OPER /TRANSPORTER	1
		MOTOR EQUIPMENT OPERATOR	4
		SENIOR MOTOR EQUIP OPERATOR	2
		SLUDGE TRANS & DISP SUPERVISOR	1
		ORG TOTAL:	8
	4110 Energy Risk Management	ENERGY RISK MANAGER	1
		ORG TOTAL:	1
	4310 Operational Support Services	AREA MANAGER	2
		DIR OF OPERATIONAL SUPP SERV	1
		SENIOR ADMINISTRATIVE ASST	1
		ORG TOTAL:	4
	7135 Geographic Information Systems	ADMINISTRATIVE ASSISTANT	1
		G.I.S. ANALYST	1
		G.I.S. MANAGER	1
		G.P.S.&G.I.S.TECHNICIAN	1
		RIGHT-OF-WAY APPRENTICE	1
		SENIOR GIS SPECIALIST	1
		SENIOR GIS TECHNICIAN	3
		SENIOR RIGHT-OF-WAY AGENT	1
		ORG TOTAL:	10
	7150 Fleet Management	ADMINISTRATIVE ASSISTANT	1
		AUTO/HEAVY DUTY EQUIP TECH A	1
		AUTO/HEAVY DUTY EQUIP TECH B	5
		FLEET SERVICES MANAGER	1
		FLEET SYSTEMS COORDINATOR	1
		LD AUTO/HEAVY DUTY EQUIP TECH	1
		ORG TOTAL:	10
		DIVISION TOTAL:	106
Operations Division	4105 Operations	ASST GENERAL MANAGER & COO	1
		DIRECTOR OF SPECIAL PROJECTS	1
		EXECUTIVE ASSISTANT	1
		ORG TOTAL:	3
	4210 NERC Compliance	ADMINISTRATIVE ASSISTANT	1
		LEAD NERC COMPLIANCE COORD	1
		NERC COMPL MANAGER & CCO	1
		SENIOR NERC COMPLIANCE COORD	2
		ORG TOTAL:	5
		DIVISION TOTAL:	8
W/WW Eng, Planning & Oper Division	3110 W&WW Eng, Planning & Operations	ACTING DIR OF W/WW ENG,PLAN/OP	1
		AREA MANAGER	1
		SENIOR ADMINISTRATIVE ASST	1
		ORG TOTAL:	3

continued

**FY 2020 APPROVED BUDGETED NUMBER OF POSITIONS
BY DIVISION/ORGANIZATION - CONTINUED**

DIVISION NAME	ORGANIZATION	POSITION TITLE	NUMBER OF POSITIONS
W/WW Eng, Planning & Oper Division (continued)	3145 W/WW Plant Maintenance	FOREMAN	1
		LEAD MECHANIC	1
		MAINTENANCE MECHANIC	6
		SENIOR MECHANIC	3
		SHIFT SUPERVISOR	1
		ORG TOTAL:	12
	3150 W/WW Operations & Construction	ACTING FIELD TECHNICIAN	1
		ADMINISTRATIVE ASSISTANT	2
		FOREMAN	3
		MAINTENANCE WORKER	23
		MOTOR EQUIP OPER/TRANSPORTER	2
		MOTOR EQUIPMENT OPERATOR	3
		OPERATIONS & SUPPORT ASSISTANT	1
		PIPELAYER	5
		SENIOR MAINTENANCE WORKER	2
		SENIOR MOTOR EQUIP OPERATOR	3
		SHIFT SUPERVISOR	7
		UTILITY TECHNICIAN	17
		W/WW OPERATIONS MANAGER	1
		ORG TOTAL:	70
	3230 Wastewater Lift Stations	ADMINISTRATIVE ASSISTANT	1
		FOREMAN	1
		JETVAC OPERATOR	6
		JETVAC OPERATOR APPRENTICE	3
		LEAD MECHANIC	10
		MAINTENANCE MECHANIC	3
		SENIOR MECHANIC	2
		SHIFT SUPERVISOR	3
		WASTEWATER TV TECHNICIAN	2
		WWW PLANT MAINT/WW LIFT ST MGR	1
		ORG TOTAL:	32
	3310 Water & Wastewater Engineering	ACTING ENGINEERING MANAGER	1
		ADMINISTRATIVE ASSISTANT	1
		ENGINEERING MANAGER	1
		FIELD TECHNICIAN	3
		GRADUATE ENGINEER	1
		MAINTENANCE MECHANIC	1
		OPERATIONS SOLUTIONS SPEC	1
		SENIOR CIVIL ENGINEER	2
		SENIOR COORDINATOR	2
		SENIOR ENGINEERING TECHNICIAN	2
		SENIOR GRADUATE ENGINEER	2
		ORG TOTAL:	17
DIVISION TOTAL:			134
OVERALL TOTAL			611

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

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

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

UNAUDITED FY 2019

	<u>Electric</u>	<u>Water</u>	<u>Wastewater</u>	<u>Total</u>
Revenues	\$ 190,947,253	\$ 27,170,831	\$ 24,212,110	\$ 242,330,194
Expenses	<u>137,558,626</u>	<u>24,345,215</u>	<u>22,202,928</u>	<u>184,106,769</u>
Change in net assets	\$ 53,388,627	\$ 2,825,616	\$ 2,009,182	\$ 58,223,425
Net position, beginning of year				<u>\$ 468,001,979</u>
Net position, end of year				<u><u>\$ 526,225,404</u></u>

Reconciliation to "Total Utility Combined Revenues & Requirements" page 72 is as follows:

Change in net position	\$ 53,388,627	\$ 2,825,616	\$ 2,009,182	\$ 58,223,425
Less: Principal Pmts	<u>9,074,805</u>	<u>1,817,648</u>	<u>2,521,848</u>	<u>13,414,301</u>
Funds Available for Capital and Reserve Funds	<u>\$ 44,313,822</u>	<u>\$ 1,007,968</u>	<u>\$ (512,666)</u>	<u>\$ 44,809,124</u>

Projected changes in net position for fiscal year 2020 are as follows:

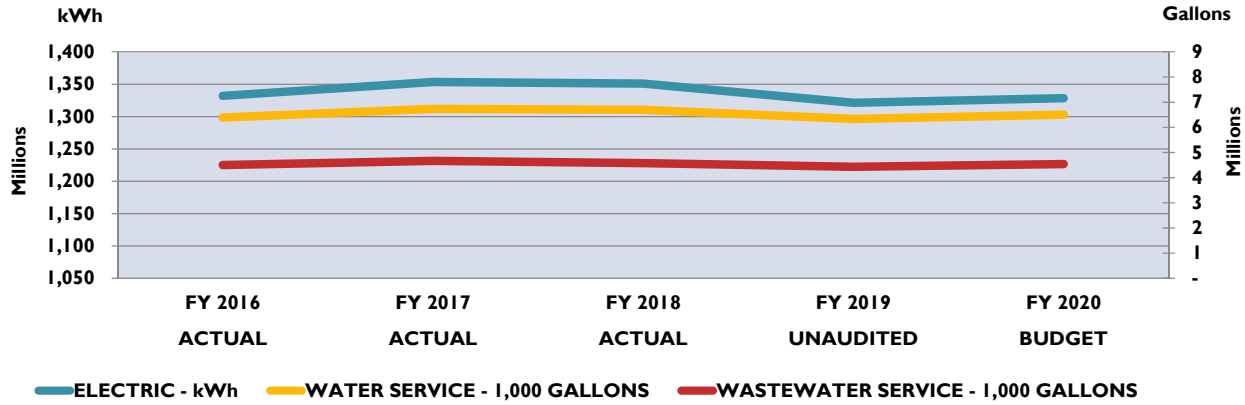
APPROVED BUDGET FY 2020

	<u>Electric</u>	<u>Water</u>	<u>Wastewater</u>	<u>Total</u>
Revenues	\$ 170,509,989	\$ 27,150,837	\$ 24,744,284	\$ 222,405,110
Expenses	<u>133,403,513</u>	<u>24,424,344</u>	<u>21,731,750</u>	<u>179,559,607</u>
Change in net position	\$ 37,106,476	\$ 2,726,493	\$ 3,012,534	\$ 42,845,503
Net position, beginning of year				<u>\$ 526,225,404</u>
Net position, end of year				<u><u>\$ 569,070,907</u></u>

Reconciliation to "Total Utility Combined Revenues & Requirements" page 73 is as follows:

Change in net position	\$ 37,106,476	\$ 2,726,493	\$ 3,012,534	\$ 42,845,503
Less: Principal Pmts	<u>10,288,083</u>	<u>1,915,482</u>	<u>2,341,435</u>	<u>14,545,000</u>
Funds Available for Capital and Reserve Funds	<u>\$ 26,818,393</u>	<u>\$ 811,011</u>	<u>\$ 671,099</u>	<u>\$ 28,300,503</u>

UNIT SALES STATISTICS



	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	UNAUDITED FY 2019	BUDGET FY 2020
ELECTRIC - kWh					
Residential	564,931,382	578,938,532	588,862,015	574,129,413	572,964,858
Commercial - Non-Demand	135,844,893	139,381,802	136,319,294	136,405,829	135,381,714
Municipal	71,414,739	72,400,171	71,331,446	70,053,851	71,055,854
Commercial - Demand	557,349,627	560,113,317	552,028,532	538,476,727	546,735,295
Other	2,403,423	2,478,672	2,390,778	2,266,542	2,375,204
<i>Total Electric Unit Sales</i>	<u>1,331,944,064</u>	<u>1,353,312,494</u>	<u>1,350,932,065</u>	<u>1,321,332,362</u>	<u>1,328,512,925</u>
WATER SERVICE - 1,000 GALLONS					
Inside City	5,560,741	5,832,446	5,743,114	5,435,140	5,637,541
Outside City	155,104	157,297	158,189	151,259	155,742
Municipal	211,417	217,227	205,683	195,758	200,664
Other	465,077	525,154	588,476	552,631	515,442
<i>Total Water Unit Sales</i>	<u>6,392,339</u>	<u>6,732,124</u>	<u>6,695,462</u>	<u>6,334,788</u>	<u>6,509,389</u>
WASTEWATER SERVICE - 1,000 GALLONS					
Residential	2,709,033	2,804,793	2,745,874	2,592,457	2,713,224
Commercial	1,601,296	1,662,288	1,649,892	1,656,999	1,638,460
Municipal	80,962	80,100	78,414	76,438	75,946
Outside City	111,277	123,065	111,471	107,474	114,020
<i>Total Wastewater Unit Sales</i>	<u>4,502,568</u>	<u>4,670,246</u>	<u>4,585,651</u>	<u>4,433,368</u>	<u>4,541,650</u>

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OUTSTANDING DEBT

The Brownsville PUB has the following bonds outstanding as of September 30, 2019:

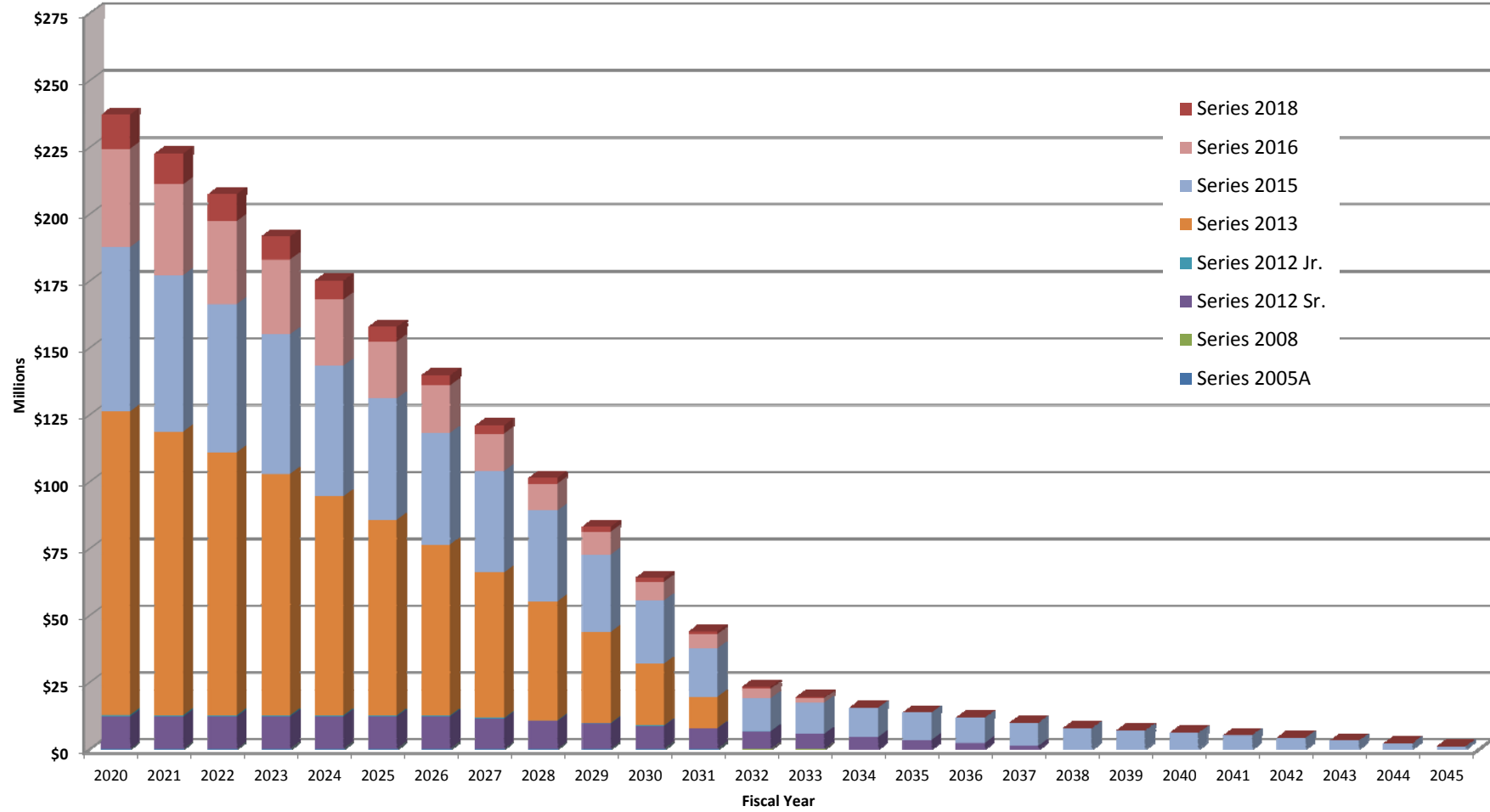
- \$163,725,000 Utilities System Revenue Improvement and Refunding Bonds, Series 2005A, due in a final installment of \$100,000 in 2031 with an interest rate of 5.0%. As of September 30, 2019, the outstanding balance was \$100,000.
- \$77,805,000 Utilities System Revenue Refunding Bonds, Series 2008, due in a final installment of \$100,000 in 2033 with an interest rate of 5.0%. As of September 30, 2019, the outstanding balance was \$100,000.
- \$20,690,000 Utilities System Revenue Refunding Bonds, Series 2012, due in annual installments ranging from \$840,000 to \$1,210,000 through 2037 with interest rates ranging from 2.0% to 4.0%. As of September 30, 2019, the outstanding balance was \$12,105,000.
- \$840,000 Utilities System Junior Lien Revenue Bonds Series 2012, due in annual installments ranging from \$35,000 to \$60,000 through 2032 with interest rates ranging from .270% to 3.49%. As of September 30, 2019, the outstanding balance was \$615,000.
- \$118,185,000 Utilities System Revenue Refunding Bonds, Series 2013, due in annual installments ranging from \$910,000 to \$11,820,000 through 2031 with interest rates ranging from 2.0% to 4.0%. As of September 30, 2019 the outstanding balance was \$113,545,000.
- \$94,770,000 Utilities System Revenue Refunding Bonds, Series 2015, due in annual installments ranging from \$675,000 to \$8,995,000 through 2045 with interest rates ranging from 4.0% to 5.0%. As of September 30, 2019 the outstanding balance was \$61,430,000.
- \$39,410,000 Utilities System Revenue Refunding Bonds, Series 2016, due in annual installments ranging from \$1,515,000 to \$3,930,000 through 2033 with an interest rate of 5.0%. As of September 30, 2019, the outstanding balance was \$36,745,000.
- \$14,000,000 Utilities System Revenue Refunding Bonds, Series 2018, due in annual installments of \$310,000 to \$1,650,000 through 2033 with interest rates ranging from 4.0% to 5.0%. As of September 30, 2019, the outstanding balance was \$12,735,000.

The Brownsville PUB also had \$37.5 million in commercial paper obligations as of September 30, 2019.

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Outstanding Principal Debt Through Maturity

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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 2016	ACTUAL FY 2017	ACTUAL FY 2018	UNAUDITED ACTUAL FY 2019	BUDGET FY 2020
<u>ELECTRIC</u>					
Principal	\$ 8,051,189	\$ 8,533,908	\$ 8,819,970	\$ 9,074,805	\$ 10,288,083
Interest	9,388,119	8,754,769	8,488,203	8,328,011	7,656,125
<i>Total</i>	<u>17,439,308</u>	<u>17,288,677</u>	<u>17,308,173</u>	<u>17,402,817</u>	<u>17,944,208</u>
<u>WATER</u>					
Principal	1,635,624	1,741,880	1,789,630	1,817,648	1,915,482
Interest	1,841,434	1,725,679	1,685,944	1,683,713	1,532,084
<i>Total</i>	<u>3,477,058</u>	<u>3,467,559</u>	<u>3,475,574</u>	<u>3,501,360</u>	<u>3,447,566</u>
<u>WASTEWATER</u>					
Principal	2,486,187	2,638,212	2,674,885	2,521,848	2,341,435
Interest	2,536,305	2,383,360	2,336,644	2,340,705	2,119,901
<i>Total</i>	<u>5,022,492</u>	<u>5,021,572</u>	<u>5,011,529</u>	<u>4,862,553</u>	<u>4,461,336</u>
<i>TOTAL ALL SYSTEMS</i>	<u><u>\$ 25,938,858</u></u>	<u><u>\$ 25,777,808</u></u>	<u><u>\$ 25,795,275</u></u>	<u><u>\$ 25,766,730</u></u>	<u><u>\$ 25,853,110</u></u>
<u>SUMMARY</u>					
Principal	\$ 12,173,000	\$ 12,914,000	\$ 13,284,485	\$ 13,414,301	\$ 14,545,000
Interest	<u>13,765,858</u>	<u>12,863,808</u>	<u>12,510,790</u>	<u>12,352,429</u>	<u>11,308,110</u>
<i>Total</i>	<u><u>\$ 25,938,858</u></u>	<u><u>\$ 25,777,808</u></u>	<u><u>\$ 25,795,275</u></u>	<u><u>\$ 25,766,730</u></u>	<u><u>\$ 25,853,110</u></u>

NOTE:

Actual budget based on principal and interest payments made annually on September 30th.
Commercial Paper for FY 2020 will incur \$472,500 of interest expense.

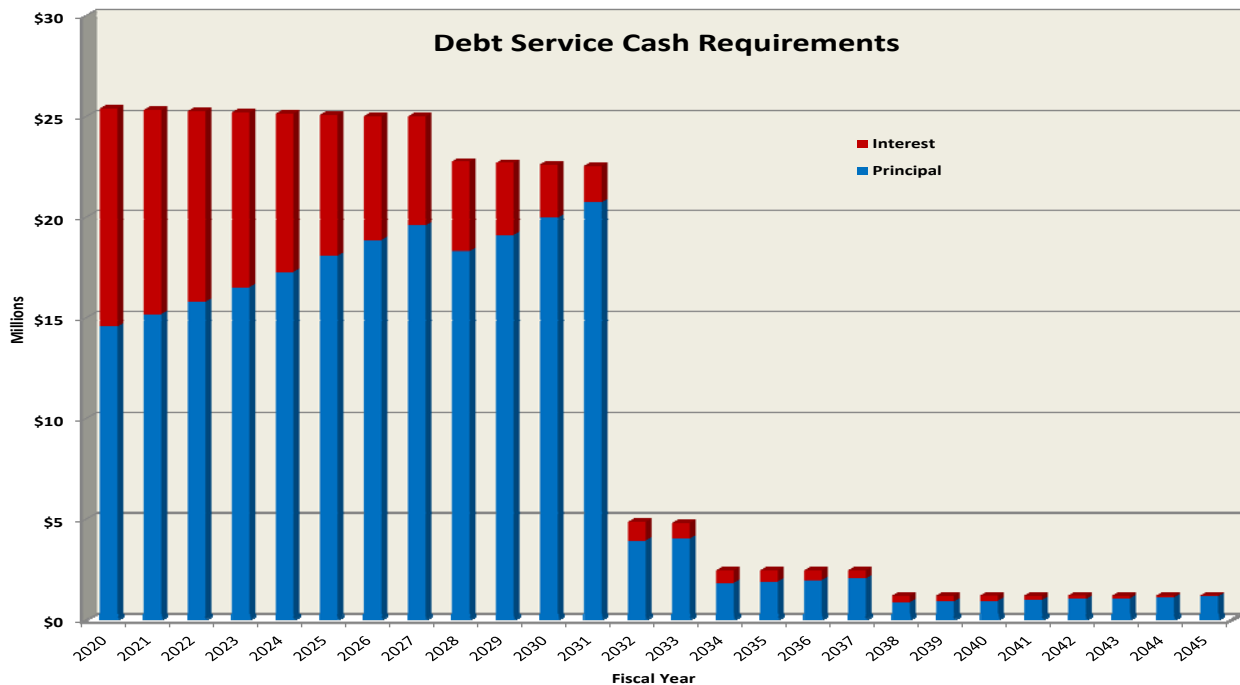
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DEBT SERVICE REQUIREMENTS BY FISCAL YEAR

Yr End Sep 1,	Yrs	Principal	Interest	Total Debt Svc Requirements	Declining Debt Svc Balance
2020	26	\$ 14,545,000	\$ 10,835,610	\$ 25,380,610	\$ 295,463,215
2021	25	15,170,000	10,142,072	25,312,072	270,151,143
2022	24	15,780,000	9,475,700	25,255,700	244,895,443
2023	23	16,505,000	8,687,572	25,192,572	219,702,871
2024	22	17,265,000	7,863,138	25,128,138	194,574,733
2025	21	18,065,000	7,000,765	25,065,765	169,508,968
2026	20	18,850,000	6,153,177	25,003,177	144,505,791
2027	19	19,570,000	5,419,592	24,989,592	119,516,199
2028	18	18,290,000	4,459,272	22,749,272	96,766,927
2029	17	19,100,000	3,576,439	22,676,439	74,090,488
2030	16	19,950,000	2,657,669	22,607,669	51,482,819
2031	15	20,720,000	1,811,930	22,531,930	28,950,889
2032	14	3,920,000	933,075	4,853,075	24,097,814
2033	13	4,015,000	784,194	4,799,194	19,298,620
2034	12	1,815,000	626,531	2,441,531	16,857,089
2035	11	1,885,000	558,000	2,443,000	14,414,089
2036	10	1,955,000	486,819	2,441,819	11,972,270
2037	9	2,035,000	412,000	2,447,000	9,525,270
2038	8	855,000	334,106	1,189,106	8,336,164
2039	7	890,000	298,838	1,188,838	7,147,326
2040	6	930,000	262,125	1,192,125	5,955,201
2041	5	965,000	223,763	1,188,763	4,766,438
2042	4	1,010,000	182,750	1,192,750	3,573,688
2043	3	1,050,000	139,825	1,189,825	2,383,863
2044	2	1,095,000	95,200	1,190,200	1,193,663
2045	1	1,145,000	48,663	1,193,663	(0)
		<u>237,375,000</u>	<u>83,468,823</u>	<u>320,843,823</u>	

NOTE:

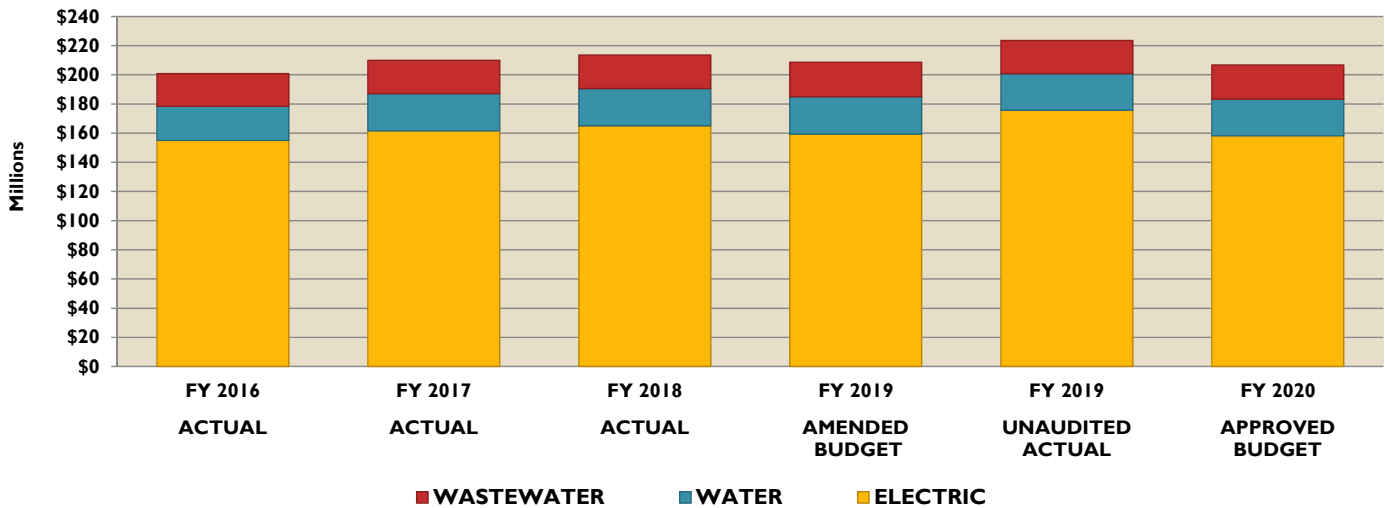
Debt Service schedule does not include debt associated with commercial paper expense of \$472,500 for the Electric, Water and Wastewater Systems approved for FY 2020.



REVENUES

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

	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
ELECTRIC	\$ 155,130,976	\$ 161,529,325	\$ 164,927,400	\$ 159,294,597	\$ 175,667,849	\$ 158,158,395
WATER	23,420,510	25,613,846	25,725,623	25,734,608	25,162,950	25,160,647
WASTEWATER	22,237,428	22,770,133	22,920,389	23,593,845	22,696,007	23,336,960
TOTAL	\$ 200,788,914	\$ 209,913,304	\$ 213,573,412	\$ 208,623,050	\$ 223,526,806	\$ 206,656,002



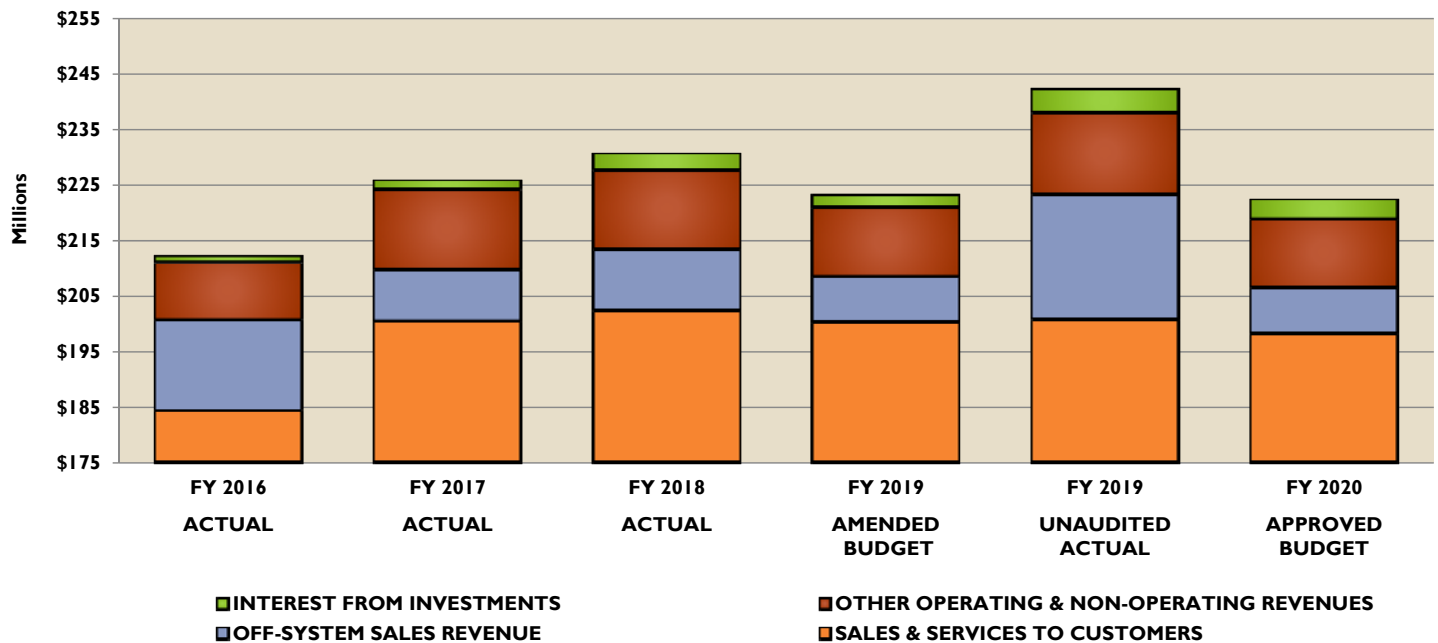
NOTE:

Electric Operating Revenues include off-system sales.

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REVENUES BY SOURCE

	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
SALES & SERVICES TO CUSTOMERS	\$ 184,390,927	\$ 200,564,816	\$ 202,506,061	\$ 200,373,050	\$ 200,951,310	\$ 198,406,002
OFF-SYSTEM SALES REVENUE	16,397,987	9,348,488	11,067,351	8,250,000	22,575,496	8,250,000
INTEREST FROM INVESTMENTS	970,437	1,460,146	2,789,767	2,100,000	4,096,380	3,400,000
OTHER OPERATING & NON- OPERATING REVENUES	10,406,119	14,507,722	14,352,952	12,473,848	14,707,008	12,349,108
TOTAL	\$ 212,165,470	\$ 225,881,172	\$ 230,716,131	\$ 223,196,898	\$ 242,330,194	\$ 222,405,110



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REVENUES – SOURCES, ASSUMPTIONS AND TRENDS

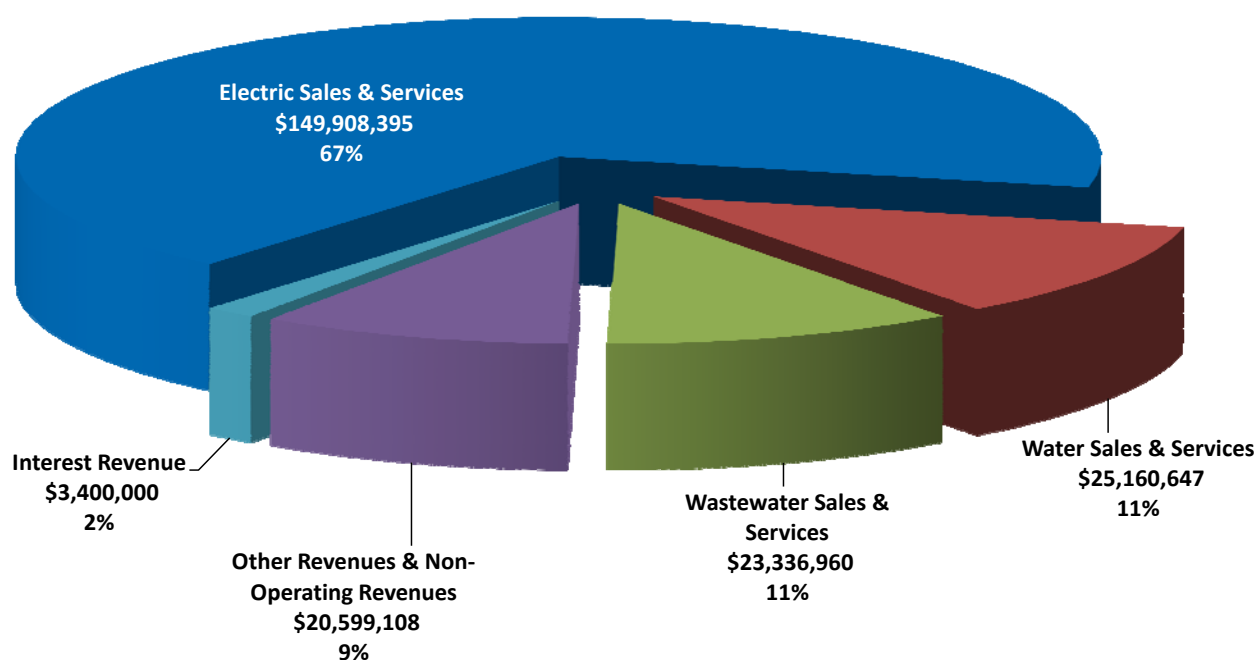
SOURCES

In FY 2020, Brownsville PUB expects to generate 89.21% of revenues through rates charged to customers and from the Fuel & Purchased Energy Charge (FPEC). Off-system sales revenue makes up 3.71% of the total revenue budget for FY 2020, 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 2020 REVENUES BY SOURCES

	<u>ELECTRIC</u>	<u>WATER</u>	<u>WASTEWATER</u>	<u>TOTAL</u>
SALES & SERVICES TO CUSTOMERS	\$ 149,908,395	\$ 25,160,647	\$ 23,336,960	\$ 198,406,002
OFF-SYSTEM SALES REVENUE	8,250,000	-	-	8,250,000
INTEREST FROM INVESTMENTS	2,108,000	646,000	646,000	3,400,000
OTHER OPERATING & NON-OPERATING REVENUES	10,243,594	1,344,190	761,324	12,349,108
	<u>\$ 170,509,989</u>	<u>\$ 27,150,837</u>	<u>\$ 24,744,284</u>	<u>\$ 222,405,110</u>

FY 2020 REVENUES BY SYSTEM AND SOURCES



ASSUMPTIONS AND TRENDS

The Brownsville PUB estimated unit sales, sales revenues and customer billings for FY 2020 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 2019 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.

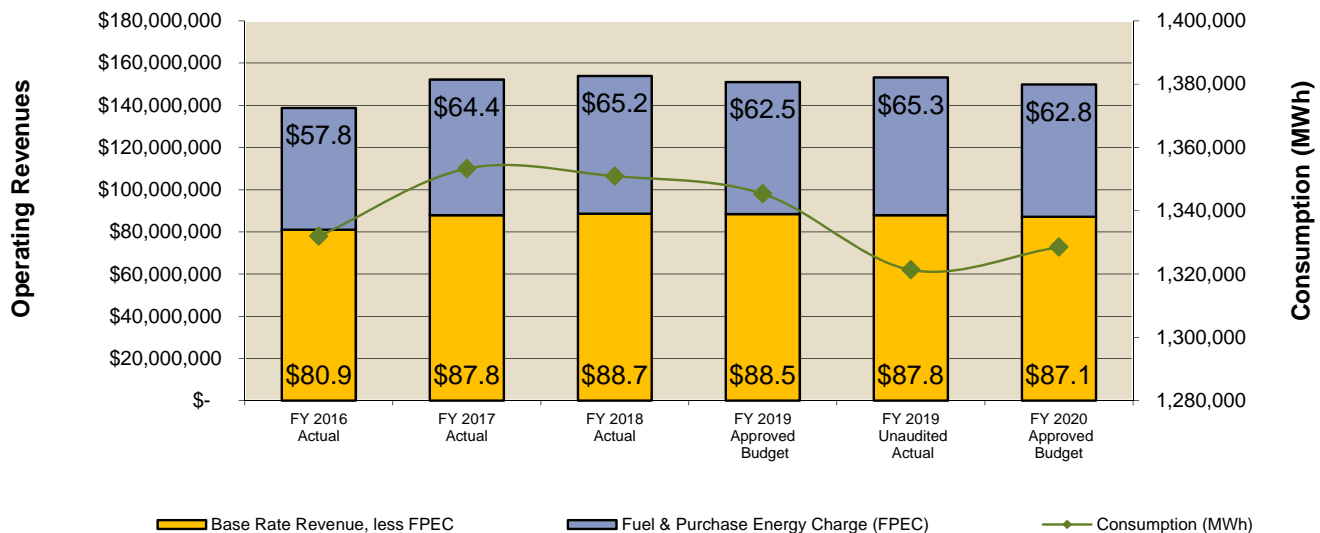
Electric, water and wastewater revenues were developed using current City Commission approved rates.

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

ELECTRIC

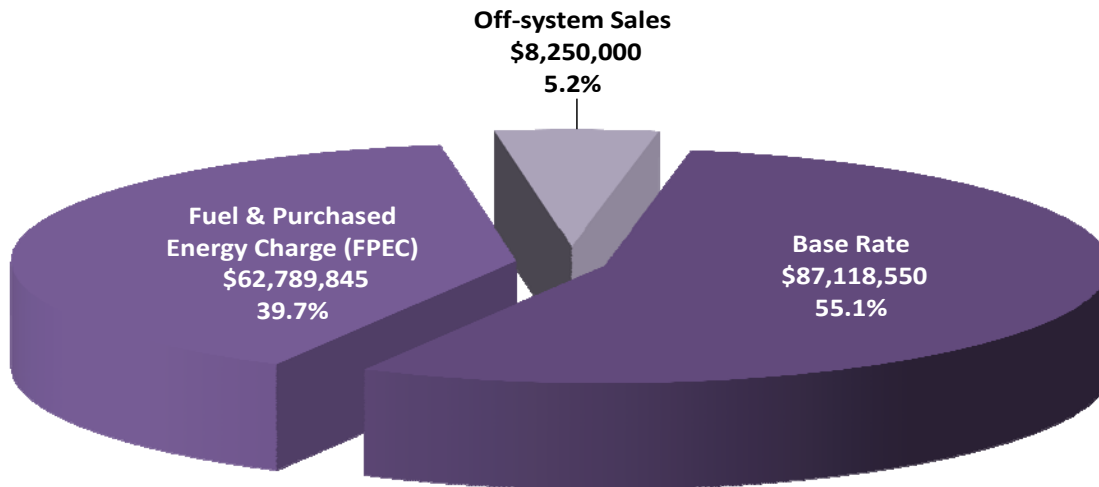
Total FY 2020 electric sales revenues (excluding off-system sales) are expected to decrease \$1.13 million or -0.75% below the FY 2019 Budget levels.

Electric consumption and operating revenues are depicted in the chart below



Fiscal Years 2019 and 2020 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 2020, will be approximately \$149.91 million compared to \$151.04 million in 2019.

The following graph shows electric sales revenues by revenue source:



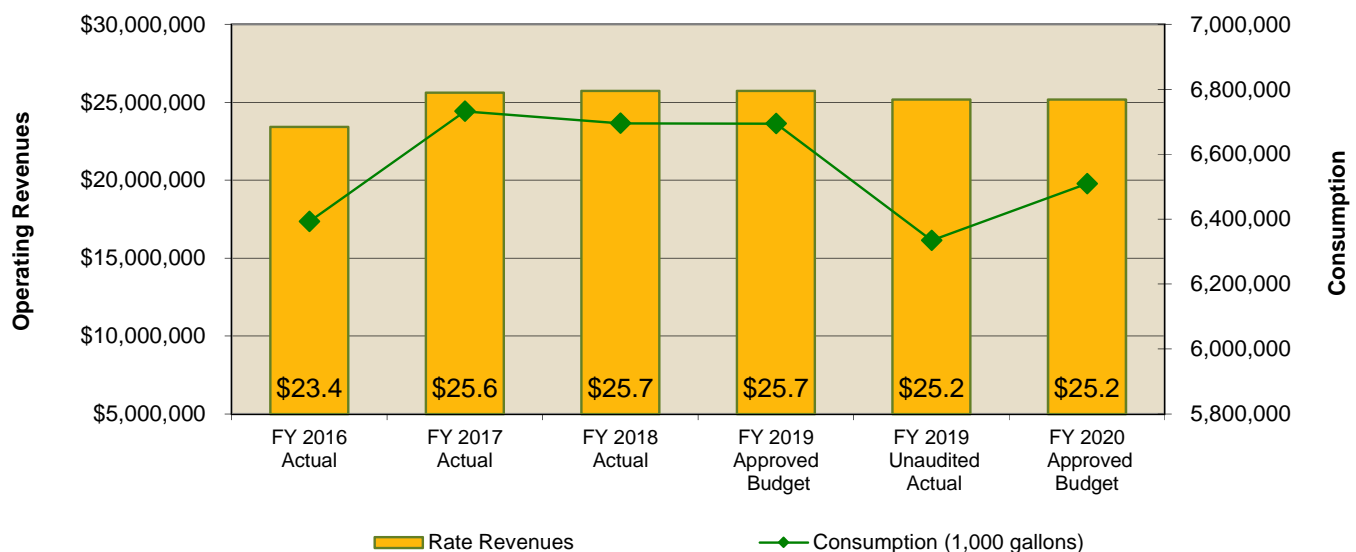
Based upon a review of historical customer statistics, customer accounts have increased on average by approximately 1% per year. For the fiscal year ended September 30, 2019, Brownsville PUB's approximate 50,786 electric customers were comprised of 87.6% residential, 11.3% commercial/industrial, and 1.1% municipal. Residential, commercial/industrial, and municipal customers provided approximately 47%, 48% and 5%, respectively, of electric system sales revenues.

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

WATER

Total FY 2020 water revenues are expected to decrease \$573,961 or -2.23% below FY 2019 budget levels.

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



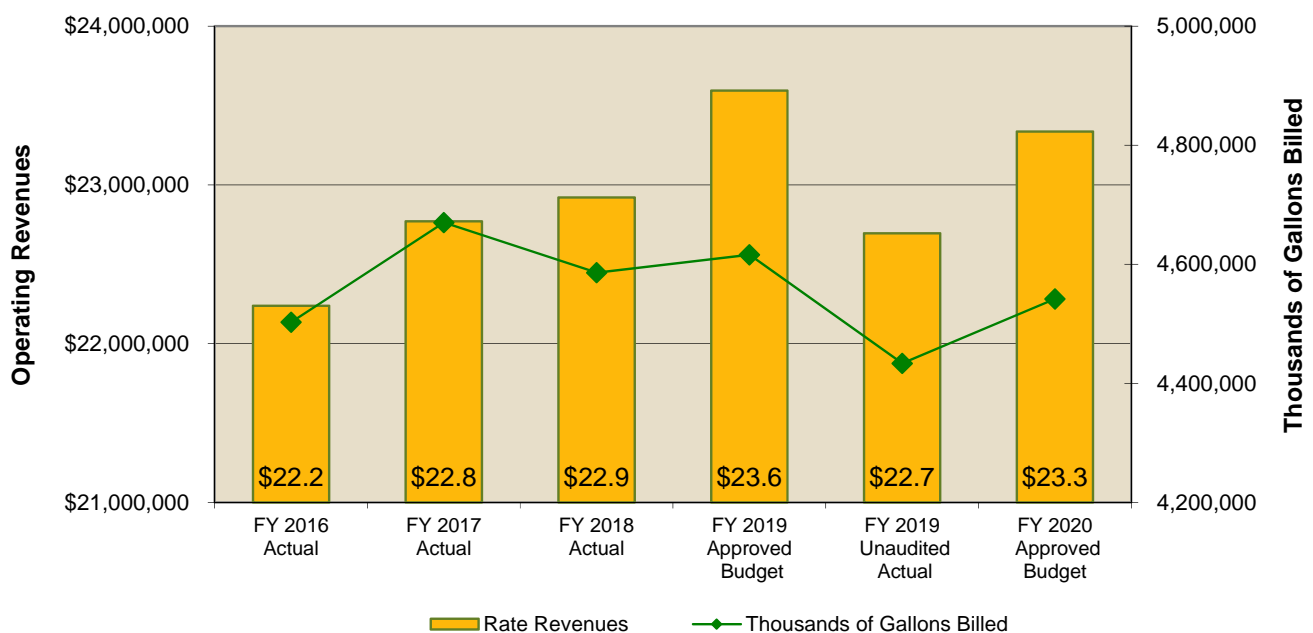
For the fiscal year ended 2019, Brownsville PUB's approximate 51,824 water customers were comprised of residential, commercial, and municipal customers within the City and adjacent unincorporated areas. Brownsville PUB also sells treated water at wholesale rates to three water distribution systems and in FY 2019 these sales accounted for approximately 5.41% of the water system's sales revenues and 8.72% of its sales volume. The Brownsville PUB partnered with the SRWA and built a 10.0 million gallon per day reverse osmosis water treatment plant of which the Brownsville PUB has 92.91% ownership. This plant includes a 7.5 million gallon storage tank.

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

WASTEWATER

Total FY 2020 wastewater revenues are expected to decrease \$256,885 or -1.09% below FY 2019 budget levels.

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



The wastewater system provided service to approximately 52,246 customers at the end of FY 2019 and accounted for approximately 11.3% of the Brownsville PUB's total operating revenues during that period.

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

TOTAL UTILITY COMBINED REVENUES & REQUIREMENTS
FY 2016 – FY 2020

	FY 2016 Actual	FY 2017 Actual	FY 2018 Actual	FY 2019 Amended Budget	FY 2019 Unaudited Actual	FY 2020 Approved Budget
1 Operating Revenues	\$ 184,390,927	\$ 200,564,816	\$ 202,506,061	\$ 200,373,050	\$ 200,951,310	\$ 198,406,002
2 Off-system Sales Revenues	16,397,987	9,348,488	11,067,351	8,250,000	22,575,496	8,250,000
3 Net Operating Revenues	200,788,914	209,913,304	213,573,412	208,623,050	223,526,806	206,656,002
4 Interest from Investments	970,437	1,460,146	2,789,767	2,100,000	4,096,380	3,400,000
5 Other Revenues	9,053,681	13,111,962	12,705,173	11,105,342	13,122,968	10,994,288
6 Other Non-operating Revenues	1,352,438	1,395,760	1,647,779	1,368,506	1,584,040	1,354,820
7 Gross Revenues	212,165,470	225,881,172	230,716,131	223,196,898	242,330,194	222,405,110
8 Less:						
9 Fuel & Energy Costs	55,451,964	62,733,293	63,090,839	62,538,845	62,712,666	62,789,845
10 Off-system Sales Expenses	4,535,684	4,315,948	5,301,075	5,362,500	7,751,089	5,362,500
11 SRWA O&M	3,752,642	3,719,365	3,844,573	3,818,338	3,818,338	3,785,726
12 SRWA Debt Service	2,158,034	2,159,360	2,090,064	2,134,891	2,134,891	2,113,521
13 Adjusted Gross Revenues	146,267,146	152,953,206	156,389,580	149,342,324	165,913,210	148,353,518
14 Personnel O&M Expenses	36,893,639	41,151,030	40,951,849	41,561,239	45,018,656	43,485,219
15 Non-Personnel O&M Expenses	28,804,047	29,358,822	33,280,081	41,325,493	32,109,752	40,022,866
16 Subtotal O&M Expenses	65,697,687	70,509,852	74,231,930	82,886,732	77,128,408	83,508,085
17 Other Non-Operating Expenses	549,876	437,102	794,953	1,100,000	1,592,628	1,100,000
18 Balance Available for Debt Service and Other Legal Purposes	80,019,583	82,006,252	81,362,697	65,355,592	87,192,174	63,745,433
19 Debt Service:						
20 Existing	25,938,858	25,722,172	25,627,696	25,376,390	25,323,972	25,380,610
21 Commercial Paper Interest Expense	-	55,636	167,579	472,500	442,758	472,500
22 Total Debt Service & CP Expense	25,938,858	25,777,808	25,795,275	25,848,890	25,766,730	25,853,110
23 Available After Debt Service	54,080,725	56,228,444	55,567,422	39,506,702	61,425,444	37,892,323
24 Other Uses of Cash:						
25 COB Cash Transfer	9,822,603	10,666,207	11,090,234	9,626,607	12,128,222	9,591,820
26 COB Usage	4,804,112	4,629,113	4,548,723	5,307,627	4,488,098	5,243,530
27 Total Cash/Utility Benefit COB	14,626,715	15,295,320	15,638,957	14,934,234	16,616,320	14,835,351
28 Balance Available to Surplus for Transfers Out	\$ 39,454,010	\$ 40,933,124	\$ 39,928,465	\$ 29,880,095	\$ 44,809,124	\$ 28,300,503
29 <u>Proposed Uses of Balance Available for Transfers Out:</u>						
30 Operating Subaccount-Fuel Adjustment	\$ 5,000,000	\$ 15,000,000	\$ 25,500,000	\$ 23,000,000	\$ 23,000,000	\$ 18,000,000
31 Improvement Fund- CIP Funding	8,490,000	12,850,000	5,982,374	6,880,095	6,880,095	10,300,503
32 Improvement Fund - COB USACE Program	500,000	500,000	-	-	-	-
33 Improvement Fund - COB USACE Resaca Blvd	1,232,292	-	-	-	-	-
34 Tenaska Power Plant Equity Funding	10,000,000	-	-	-	-	-
35 Total Transfers Out	25,222,292	28,350,000	31,482,374	29,880,095	29,880,095	28,300,503
36 Balance Available to BPUB:						
37 Improvement Fund - Surplus Revenues	14,231,718	12,583,124	8,446,091	-	14,929,029	-
38 Total	\$ 39,454,010	\$ 40,933,124	\$ 39,928,465	\$ 29,880,095	\$ 44,809,124	\$ 28,300,503
39 Debt Service Coverage Ratio	3.08	3.18	3.15	2.53	3.38	2.47

ELECTRIC REVENUES & REQUIREMENTS

FY 2016 – FY 2020

	FY 2016 Actual	FY 2017 Actual	FY 2018 Actual	FY 2019 Amended Budget	FY 2019 Unaudited Actual	FY 2020 Approved Budget
1 Operating Revenues	\$ 138,732,989	\$ 152,180,837	\$ 153,860,049	\$ 151,044,597	\$ 153,092,353	\$ 149,908,395
2 Off-system Sales Revenues	16,397,987	9,348,488	11,067,351	8,250,000	22,575,496	8,250,000
3 Net Operating Revenues	155,130,976	161,529,325	164,927,400	159,294,597	175,667,849	158,158,395
4 Interest from Investments	585,697	898,840	1,719,313	1,260,000	2,514,764	2,108,000
5 Other Revenues	7,366,145	11,520,798	11,152,383	9,367,712	11,574,964	9,274,035
6 Other Non-operating Revenues	964,069	1,007,230	1,253,078	979,353	1,189,676	969,559
7 Gross Revenues	164,046,887	174,956,193	179,052,174	170,901,662	190,947,253	170,509,989
8 Less:						
9 Fuel & Energy Costs	55,451,964	62,733,293	63,090,839	62,538,845	62,712,666	62,789,845
10 Off-system Sales Expenses	4,535,684	4,315,948	5,301,075	5,362,500	7,751,089	5,362,500
11 SRWA O&M	-	-	-	-	-	-
12 SRWA Debt Service	-	-	-	-	-	-
13 Adjusted Gross Revenues	104,059,239	107,906,952	110,660,260	103,000,317	120,483,498	102,357,644
14 Personnel O&M Expenses	20,069,923	21,717,155	21,511,000	22,449,333	25,046,239	24,787,362
15 Non-Personnel O&M Expenses	17,036,411	19,273,671	21,649,685	27,956,412	21,632,266	26,344,279
16 Subtotal O&M Expenses	37,106,334	40,990,826	43,160,685	50,405,745	46,678,505	51,131,641
17 Other Non-Operating Expenses	270,604	(63,132)	284,878	500,000	15,005	500,000
18 Balance Available for Debt Service and Other Legal Purposes	66,682,301	66,979,258	67,214,697	52,094,572	73,789,988	50,726,003
19 Debt Service:						
20 Existing	17,439,308	17,255,779	17,209,083	17,119,800	17,141,014	17,670,158
21 Commercial Paper Interest Expense	-	32,898	99,089	274,050	261,803	274,050
22 Total Debt Service & CP Expense	17,439,308	17,288,677	17,308,172	17,393,850	17,402,817	17,944,208
23 Available After Debt Service	49,242,993	49,690,581	49,906,525	34,700,722	56,387,171	32,781,795
24 Other Uses of Cash:						
25 COB Cash Transfer	6,559,689	7,159,916	7,486,259	5,999,820	8,545,604	5,963,402
26 COB Usage	3,846,235	3,630,779	3,579,766	4,300,212	3,527,745	4,272,362
27 Total Cash/Utility Benefit COB	10,405,924	10,790,695	11,066,025	10,300,032	12,073,349	10,235,764
28 Balance Available to Surplus for Transfers Out	<u>\$ 38,837,069</u>	<u>\$ 38,899,886</u>	<u>\$ 38,840,500</u>	<u>\$ 28,700,902</u>	<u>\$ 44,313,822</u>	<u>\$ 26,818,393</u>
29 <u>Proposed Uses of Balance Available for Transfers Out:</u>						
30 Operating Subaccount-Fuel Adjustment	\$ 5,000,000	\$ 15,000,000	\$ 25,500,000	\$ 23,000,000	\$ 23,000,000	\$ 18,000,000
31 Improvement Fund- CIP Funding	7,200,000	11,500,000	5,737,338	5,700,902	5,700,902	8,818,393
32 Improvement Fund - COB USACE Program	500,000	500,000	-	-	-	-
33 Improvement Fund - COB USACE Resaca Blvd	932,292	-	-	-	-	-
34 Tenaska Power Plant Equity Funding	10,000,000	-	-	-	-	-
35 Total Transfers Out	23,632,292	27,000,000	31,237,338	28,700,902	28,700,902	26,818,393
36 Balance Available to BPUB:						
37 Improvement Fund - Surplus Revenues	15,204,777	11,899,886	7,603,162	-	15,612,920	-
38 Total	<u>\$ 38,837,069</u>	<u>\$ 38,899,886</u>	<u>\$ 38,840,500</u>	<u>\$ 28,700,902</u>	<u>\$ 44,313,822</u>	<u>\$ 26,818,393</u>
39 Debt Service Coverage Ratio	3.82	3.87	3.88	2.99	4.24	2.83

WATER REVENUES & REQUIREMENTS

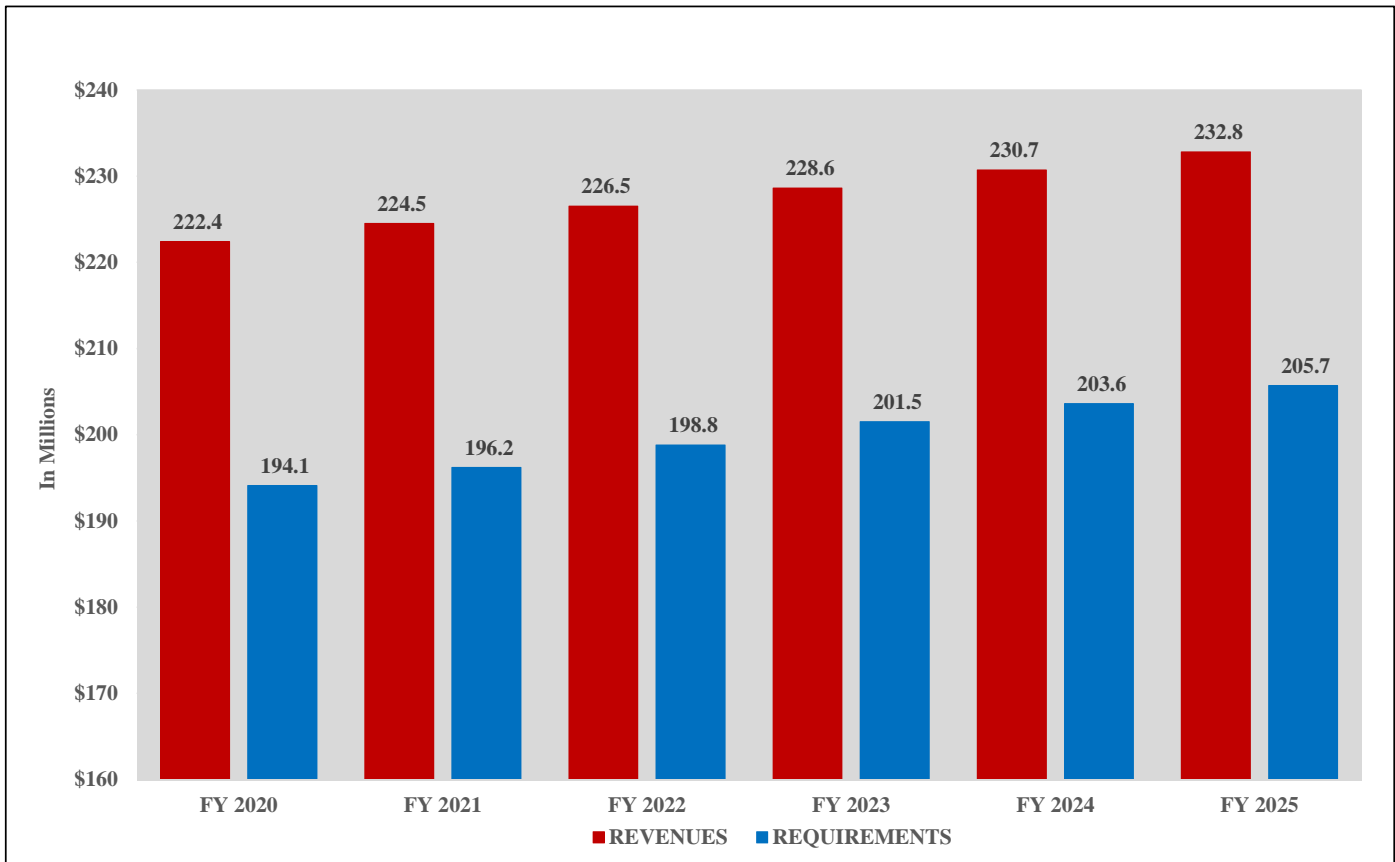
FY 2016 – FY 2020

	FY 2016 Actual	FY 2017 Actual	FY 2018 Actual	FY 2019 Amended Budget	FY 2019 Unaudited Actual	FY 2020 Approved Budget
1 Operating Revenues	\$ 23,420,510	\$ 25,613,846	\$ 25,725,623	\$ 25,734,608	\$ 25,162,950	\$ 25,160,647
2 Off-system Sales Revenues	-	-	-	-	-	-
3 Net Operating Revenues	23,420,510	25,613,846	25,725,623	25,734,608	25,162,950	25,160,647
4 Interest from Investments	192,370	280,653	535,227	420,000	790,808	646,000
5 Other Revenues	1,111,918	1,029,823	998,603	1,161,270	1,019,821	1,149,657
6 Other Non-operating Revenues	195,933	194,957	200,674	196,498	197,252	194,533
7 Gross Revenues	24,920,731	27,119,279	27,460,127	27,512,376	27,170,831	27,150,837
8 Less:						
9 Fuel & Energy Costs	-	-	-	-	-	-
10 Off-system Sales Expenses	-	-	-	-	-	-
11 SRWA O&M	3,752,642	3,719,365	3,844,573	3,818,338	3,818,338	3,785,726
12 SRWA Debt Service	2,158,034	2,159,360	2,090,064	2,134,891	2,134,891	2,113,521
13 Adjusted Gross Revenues	19,010,055	21,240,554	21,525,490	21,559,147	21,217,602	21,251,590
14 Personnel O&M Expenses	8,130,610	9,531,469	9,258,699	8,676,397	9,134,508	8,305,199
15 Non-Personnel O&M Expenses	6,042,959	5,062,165	6,586,640	7,316,775	4,609,804	6,907,758
16 Subtotal O&M Expenses	14,173,569	14,593,634	15,845,339	15,993,172	13,744,312	15,212,957
17 Other Non-Operating Expenses	157,263	267,499	227,543	300,000	842,202	300,000
18 Balance Available for Debt Service and Other Legal Purposes	4,679,223	6,379,421	5,452,608	5,265,975	6,631,088	5,738,633
19 Debt Service:						
20 Existing	3,477,058	3,458,201	3,447,387	3,434,382	3,426,888	3,362,516
21 Commercial Paper Interest Expense	-	9,358	28,187	85,050	74,472	85,050
22 Total Debt Service & CP Expense	3,477,058	3,467,559	3,475,574	3,519,432	3,501,360	3,447,566
23 Available After Debt Service	1,202,165	2,911,862	1,977,034	1,746,543	3,129,728	2,291,067
24 Other Uses of Cash:						
25 COB Cash Transfer	1,276,391	1,455,808	1,509,013	1,485,282	1,489,232	1,480,056
26 COB Usage	624,615	668,247	643,536	670,633	632,528	645,103
27 Total Cash/Utility Benefit COB	1,901,006	2,124,055	2,152,549	2,155,915	2,121,760	2,125,159
28 Balance Available to Surplus for Transfers Out	<u>\$ (698,841)</u>	<u>\$ 787,807</u>	<u>\$ (175,515)</u>	<u>\$ 261,261</u>	<u>\$ 1,007,968</u>	<u>\$ 811,011</u>
29 <u>Proposed Uses of Balance Available for Transfers Out:</u>						
30 Operating Subaccount-Fuel Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31 Improvement Fund- CIP Funding	750,000	1,350,000	-	261,261	261,261	811,011
32 Improvement Fund - COB USACE Program	-	-	-	-	-	-
33 Improvement Fund - COB USACE Resaca Blvd	150,000	-	-	-	-	-
34 Tenaska Power Plant Equity Funding	-	-	-	-	-	-
35 Total Transfers Out	900,000	1,350,000	-	261,261	261,261	811,011
36 Balance Available to BPUB:						
37 Improvement Fund - Surplus Revenues	(1,598,841)	(562,193)	(175,515)	-	746,707	-
38 Total	<u>\$ (698,841)</u>	<u>\$ 787,807</u>	<u>\$ (175,515)</u>	<u>\$ 261,261</u>	<u>\$ 1,007,968</u>	<u>\$ 811,011</u>
39 Debt Service Coverage Ratio	1.35	1.84	1.57	1.50	1.89	1.66

WASTEWATER REVENUES & REQUIREMENTS
FY 2016 – FY 2020

	FY 2016 Actual	FY 2017 Actual	FY 2018 Actual	FY 2019 Amended Budget	FY 2019 Unaudited Actual	FY 2020 Approved Budget
1 Operating Revenues	\$ 22,237,428	\$ 22,770,133	\$ 22,920,389	\$ 23,593,845	\$ 22,696,007	\$ 23,336,960
2 Off-system Sales Revenues	-	-	-	-	-	-
3 Net Operating Revenues	22,237,428	22,770,133	22,920,389	23,593,845	22,696,007	23,336,960
4 Interest from Investments	192,370	280,653	535,227	420,000	790,808	646,000
5 Other Revenues	575,618	561,341	554,187	576,360	528,183	570,596
6 Other Non-operating Revenues	192,436	193,573	194,027	192,655	197,112	190,728
7 Gross Revenues	23,197,852	23,805,700	24,203,830	24,782,860	24,212,110	24,744,284
8 Less:						
9 Fuel & Energy Costs	-	-	-	-	-	-
10 Off-system Sales Expenses	-	-	-	-	-	-
11 SRWA O&M	-	-	-	-	-	-
12 SRWA Debt Service	-	-	-	-	-	-
13 Adjusted Gross Revenues	23,197,852	23,805,700	24,203,830	24,782,860	24,212,110	24,744,284
14 Personnel O&M Expenses	8,693,106	9,902,406	10,182,150	10,435,509	10,837,909	10,392,658
15 Non-Personnel O&M Expenses	5,724,678	5,022,986	5,043,756	6,052,306	5,867,682	6,770,829
16 Subtotal O&M Expenses	14,417,784	14,925,392	15,225,906	16,487,815	16,705,591	17,163,487
17 Other Non-Operating Expenses	122,009	232,735	282,532	300,000	735,421	300,000
18 Balance Available for Debt Service and Other Legal Purposes	8,658,059	8,647,573	8,695,392	7,995,045	6,771,098	7,280,797
19 Debt Service:						
20 Existing	5,022,492	5,008,192	4,971,226	4,822,208	4,756,070	4,347,936
21 Commercial Paper Interest Expense	-	13,380	40,303	113,400	106,483	113,400
22 Total Debt Service & CP Expense	5,022,492	5,021,572	5,011,529	4,935,608	4,862,553	4,461,336
23 Available After Debt Service	3,635,567	3,626,001	3,683,863	3,059,437	1,908,545	2,819,461
24 Other Uses of Cash:						
25 COB Cash Transfer	1,986,523	2,050,483	2,094,962	2,141,505	2,093,386	2,148,362
26 COB Usage	333,262	330,087	325,421	336,782	327,825	326,066
27 Total Cash/Utility Benefit COB	2,319,785	2,380,570	2,420,383	2,478,287	2,421,211	2,474,428
28 Balance Available to Surplus for Transfers Out	\$ 1,315,782	\$ 1,245,431	\$ 1,263,480	\$ 917,932	\$ (512,666)	\$ 671,099
29 <u>Proposed Uses of Balance Available for Transfers Out:</u>						
30 Operating Subaccount-Fuel Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31 Improvement Fund- CIP Funding	540,000	-	245,036	917,932	917,932	671,099
32 Improvement Fund - COB USACE Program	-	-	-	-	-	-
33 Improvement Fund - COB USACE Resaca Blvd	150,000	-	-	-	-	-
34 Tenaska Power Plant Equity Funding	-	-	-	-	-	-
35 Total Transfers Out	690,000	-	245,036	917,932	917,932	671,099
36 Balance Available to BPUB:						
37 Improvement Fund - Surplus Revenues	625,782	1,245,431	1,018,444	-	(1,430,598)	-
38 Total	\$ 1,315,782	\$ 1,245,431	\$ 1,263,480	\$ 917,932	\$ (512,666)	\$ 671,099
39 Debt Service Coverage Ratio	1.72	1.72	1.74	1.62	1.39	1.63

PROJECTED REVENUES & REQUIREMENTS
FY 2020 – FY 2025



The five-year forecast was developed using the following assumptions:

- Sales & Service to Customers reflect a 1% annual growth rate
- Off System Sales Revenue and Other Operating & Non-Operating Revenues primarily include ERCOT related transactions, which are unpredictable and, therefore, are conservatively forecasted based on historical averages.
- Interest from Investments have increased recently based on changing market conditions but are forecasted to be relatively flat going forward.
- Market driven Electric Fuel & Energy Costs are forecasted to increase 1% annually.
- SRWA and O&M expenses are forecasted to increase by 1.3% annually based on five-year average national inflation rates.
- Other Non-Operating Expenses have and should continue to remain relatively flat.
- Debt Service will increase nominally year to year until an anticipated new issue of approximately \$30 to \$50 million is issued in FY 2021 to convert Commercial Paper to long term debt.
- The City Cash Transfer fund is based on Adjusted Gross Revenues and is forecasted to increase at a rate of approximately ½ % annually.

***OPERATIONS AND
MAINTENANCE EXPENSE
BUDGET***



Dept. No: 1110

DEPARTMENT 1110 - GENERAL MANAGER

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
O&M PERSONNEL						
6101 Supervision	\$ 213,144	\$ 269,541	\$ 264,555	\$ 264,626	\$ 265,924	\$ 264,626
6110 Clerical staff	99,464	87,928	83,732	82,181	84,330	82,181
6130 Overtime	3,805	4,568	2,987	2,667	2,601	2,963
6201 T.M.R.S.	53,898	65,394	64,269	15,215	69,336	14,913
6205 F.I.C.A.	12,682	12,588	12,410	21,502	12,618	21,502
6210 Medicare	4,717	5,407	5,270	5,029	5,260	5,029
6214 Dental Insurance	779	766	786	809	1,382	1,729
6215 Hospitalization insurance	21,084	18,695	17,374	17,885	18,144	20,344
6220 Life Insurance	398	425	359	372	253	372
6221 Long Term Disability Insurance	819	896	292	694	295	694
6225 Workers Compensation	8,738	9,250	8,984	8,670	9,028	8,670
6230 Vacation leave	(2,358)	9,275	(17,499)	4,428	-	4,428
6235 Sick leave	(361)	18,766	(86)	4,871	(736)	4,871
6242 Auto Benefits	9,000	9,000	9,000	9,000	9,346	9,000
6260 Vacancy Savings	-	-	-	(20,849)	-	(21,003)
<i>O&M PERSONNEL TOTAL</i>	425,810	512,498	452,434	417,099	477,782	420,318
O&M NON-PERSONNEL						
7101 Advertising	-	-	-	-	1,373	-
7102 Sponsorships	35,650	37,200	42,200	44,200	34,700	50,000
7105 Books & periodicals	-	5,000	-	-	221	500
7110 Dues & memberships	26,439	2,595	1,774	8,500	2,311	8,500
7120 Office supplies	1,463	2,286	3,585	4,500	3,057	3,000
7130 Postage/shipping charges	315	145	347	300	387	300
7140 Training expenses	1,150	600	1,918	2,000	450	903
7145 Travel expenses	10,275	14,473	8,078	12,250	7,886	5,632
7299 Other materials & supplies	921	879	1,013	750	1,903	1,000
7310 Federal, state, & local fees	-	-	-	-	2,516	1,000
7315 Food, meals, ice, water	1,416	2,488	3,442	1,500	1,404	1,500
7320 Official functions	200	600	960	-	926	800
7601 Legal Fees	1,036,357	1,535,509	1,383,243	1,100,000	1,632,021	1,189,000
7605 Engineering fees	-	2,520	11,620	42,500	1,816	20,000
7699 Other services	-	-	5,950	25,000	18,110	25,000
7805 Computer equipment	113	65	-	300	-	300
7820 Office furniture & equipment	-	991	642	1,500	-	1,500
<i>O&M NON-PERSONNEL TOTAL</i>	1,114,299	1,605,350	1,464,773	1,243,300	1,707,708	1,308,935
	1,540,109	2,117,848	1,917,207	1,660,399	2,185,490	1,729,253



Department Responsibility: **Melida Pinales, CFE**

Title: **Audit Manager**

Telephone Ext: **6269**

Dept. No: **1120**

PERFORMANCE MEASURES FOR THE INTERNAL AUDIT DEPARTMENT

Department Function:

The responsibilities of the Internal Audit Department include conducting independent reviews of BPUB's policies, procedures and operations. The Audit Manager reports functionally to the Board of Directors and administratively to the General Manager & CEO. BPUB's Internal Audit Charter defines what the Board of Directors and Executive Management can expect from the Internal 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

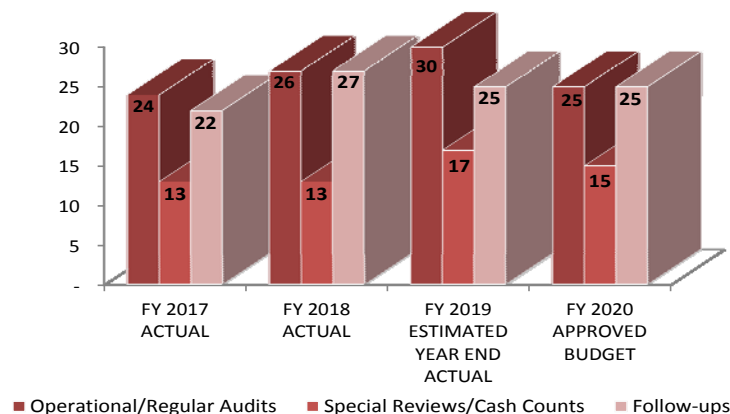
Employees (FTE)
O&M Personnel Expenses
O&M Non-Personnel Expenses
Total O&M Expenses

OUTPUT MEASURES

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

	FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
Employees (FTE)	3	3	3	3
O&M Personnel Expenses	\$ 291,361	\$ 293,342	\$ 327,776	\$ 337,485
O&M Non-Personnel Expenses	\$ 9,913	\$ 14,709	\$ 13,843	\$ 16,334
Total O&M Expenses	\$ 301,274	\$ 308,051	\$ 341,619	\$ 353,819
Operational/Regular Audits	24	27	30	25
Special Reviews/Cash Counts	13	13	17	15
Findings/Recommendations	102	103	100	90
Follow-ups	22	27	25	25
Board Meetings	12	12	12	12
Presentations to Audit Committee	4	4	4	4

Number of Audits



DEPARTMENT 1120 - INTERNAL AUDIT

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 73,977	\$ 79,592	\$ 81,600	\$ 84,926	\$ 96,549	\$ 114,005
6105 Administrative Staff	119,968	125,496	125,778	125,778	126,261	125,778
6201 T.M.R.S.	32,242	35,950	37,088	37,653	40,073	41,890
6205 F.I.C.A.	11,497	11,972	12,251	13,064	13,288	14,867
6210 Medicare	2,689	2,800	2,865	3,055	3,108	3,477
6214 Dental Insurance	804	803	815	837	1,651	2,103
6215 Hospitalization insurance	26,010	26,702	27,150	27,892	28,329	31,727
6220 Life Insurance	256	267	226	237	201	266
6221 Long Term Disability Insurance	507	541	175	421	337	480
6225 Workers Compensation	4,854	5,079	5,184	5,268	5,657	5,995
6230 Vacation leave	(367)	(1,153)	3,142	2,690	2,514	3,062
6235 Sick leave	2,567	3,310	(2,931)	2,959	6,348	3,368
6242 Auto Benefits	-	-	-	-	3,462	7,500
6260 Vacancy Savings	-	-	-	(14,957)	-	(17,029)
<i>O&M PERSONNEL TOTAL</i>	<u>275,003</u>	<u>291,361</u>	<u>293,342</u>	<u>289,823</u>	<u>327,776</u>	<u>337,485</u>
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	192	52	1,510	1,500	-	1,500
7110 Dues & memberships	2,324	1,914	1,854	2,854	2,121	2,744
7120 Office supplies	904	954	873	1,500	2,140	1,500
7140 Training expenses	4,588	2,235	4,055	6,405	4,167	2,919
7145 Travel expenses	4,042	3,181	4,899	8,398	3,722	5,568
7225 Safety supplies	74	-	-	100	-	100
7299 Other materials & supplies	-	-	14	-	-	-
7315 Food, meals, ice, water	417	210	215	500	147	500
7335 Wearing apparel & dry goods	547	643	745	300	935	1,003
7415 Fuels & lubricants	152	123	194	500	161	500
7805 Computer equipment	437	-	-	500	-	-
7820 Office furniture & equipment	-	600	350	-	450	-
<i>O&M NON-PERSONNEL TOTAL</i>	<u>13,676</u>	<u>9,913</u>	<u>14,709</u>	<u>22,557</u>	<u>13,843</u>	<u>16,334</u>
	<u>288,679</u>	<u>301,274</u>	<u>308,051</u>	<u>312,380</u>	<u>341,619</u>	<u>353,819</u>



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

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

Department Function:

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

Department Goals/Objectives:

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

INPUT MEASURES

Employees (FTE's)
O&M Expenses

OUTPUT MEASURES

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

OUTCOME MEASURES

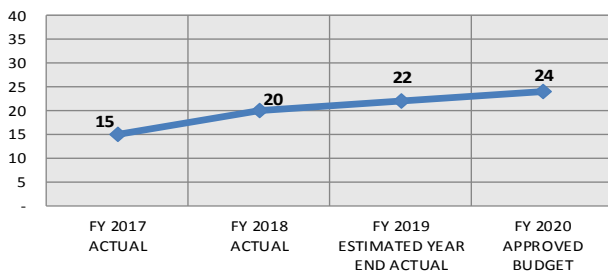
Number of new Key Accounts
Number of electric conversions (to BPUB) facilitated by KA Department
Number of new subdivision projects facilitated by KA Department
Number of new commercial projects facilitated by KA Department
Key Accounts satisfied with the level of service delivered by KA Department (per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

EFFICIENCY MEASURES

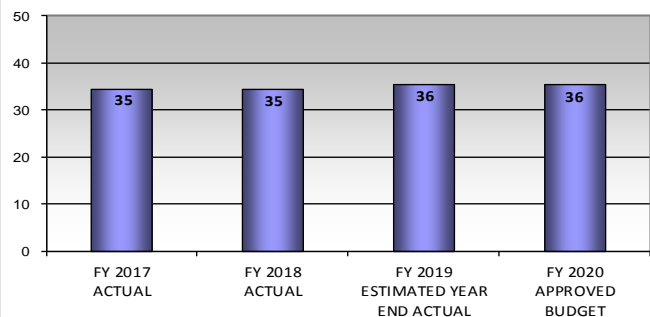
Number of Key Accounts per representative
Average number of field visits per representative
Average Key Accounts electric revenue per representative

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
5	4	4	4
\$ 337,755	\$ 286,938	\$ 300,569	\$ 304,418
69	69	71	71
260	260	260	260
200	200	200	200
8	5	4	4
3	4	4	3
7	10	7	7
15	20	22	24
-	Yes	Yes	Yes
26%	28%	25%	26%
33%	33%	31%	33%
35	35	36	36
130	130	130	130
\$ -	\$ -	\$ -	\$ -

**Number of new commercial projects
facilitated by KA Department**



No. of Key Accounts per Key Account Rep.



DEPARTMENT 1125 - KEY ACCOUNT MARKETING

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 46,898	\$ 48,328	\$ 48,821	\$ 48,822	\$ 49,056	\$ 48,822
6105 Administrative Staff	81,728	122,362	122,637	122,637	123,226	122,637
6110 Clerical staff	22,373	20,241	-	-	-	-
6130 Overtime	807	897	-	-	-	-
6201 T.M.R.S.	25,406	33,590	30,663	30,640	38,103	29,954
6205 F.I.C.A.	8,907	11,072	9,902	10,630	9,869	10,630
6206 Suta	97	-	-	-	-	-
6210 Medicare	2,083	2,589	2,316	2,486	2,308	2,486
6214 Dental Insurance	890	1,044	868	893	1,751	2,230
6215 Hospitalization insurance	26,832	33,898	30,157	31,003	31,463	35,266
6220 Life Insurance	211	258	193	199	164	199
6221 Long Term Disability Insurance	402	503	145	343	258	343
6225 Workers Compensation	4,750	4,746	4,286	4,286	4,306	4,286
6230 Vacation leave	2,381	204	4,793	2,189	1,182	2,189
6235 Sick leave	1,159	2,847	(695)	2,408	6,920	2,408
6260 Vacancy Savings	-	-	-	(12,597)	-	(12,843)
<i>O&M PERSONNEL TOTAL</i>	<u>224,924</u>	<u>282,579</u>	<u>254,087</u>	<u>243,940</u>	<u>268,606</u>	<u>248,608</u>
<i>O&M NON-PERSONNEL</i>						
7101 Advertising	12,359	1,230	10,845	12,500	9,003	8,000
7102 Sponsorships	-	-	-	-	-	-
7105 Books & periodicals	106	-	-	250	-	250
7110 Dues & memberships	900	-	-	500	-	500
7120 Office supplies	2,129	587	1,273	1,800	1,306	1,500
7130 Postage/shipping charges	61	151	46	1,500	45	1,200
7135 Telephone expenses	89	-	-	600	-	500
7140 Training expenses	1,023	4,956	3,313	3,890	4,948	1,764
7145 Travel expenses	3,959	6,024	5,503	5,000	5,057	2,816
7147 Mileage Reimbursement (InTownExp)	-	28	-	250	-	250
7299 Other materials & supplies	215	10	-	250	-	250
7315 Food, meals, ice, water	1,846	3,894	308	3,000	283	3,000
7320 Official functions	3,469	8,902	6,895	11,235	7,200	12,000
7415 Fuels & lubricants	494	834	924	800	823	800
7635 Software maintenance service fees	438	700	-	7,858	-	5,500
7699 Other services	5,317	22,255	3,366	58,660	2,880	13,580
7805 Computer equipment	-	1,462	-	1,275	-	1,200
7806 Software licenses-new	-	-	-	1,500	-	1,500
7820 Office furniture & equipment	883	4,143	376	1,200	419	1,200
<i>O&M NON-PERSONNEL TOTAL</i>	<u>33,288</u>	<u>55,176</u>	<u>32,851</u>	<u>112,068</u>	<u>31,963</u>	<u>55,810</u>
	258,212	337,755	286,938	356,008	300,569	304,418



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, Risk/Insurance Management, and Security Operations.

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 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 125,335	\$ 128,524	\$ 128,856	\$ 128,856	\$ 128,918	\$ 128,856
6110 Clerical staff	27,016	28,113	19,028	29,869	16,398	28,454
6130 Overtime	1,426	1,197	340	1,185	339	1,170
6201 T.M.R.S.	26,948	29,503	28,775	28,364	27,556	27,482
6205 F.I.C.A.	8,857	9,358	9,223	9,841	9,061	9,753
6210 Medicare	2,351	2,399	2,296	2,302	2,241	2,281
6214 Dental Insurance	511	522	449	558	786	1,169
6215 Hospitalization insurance	13,349	13,967	13,945	17,339	12,392	16,876
6220 Life Insurance	199	201	154	176	125	175
6221 Long Term Disability Insurance	401	410	117	317	208	315
6225 Workers Compensation	4,091	4,169	4,036	3,968	3,884	3,933
6230 Vacation leave	(4,197)	2,051	3,395	2,027	(591)	2,009
6235 Sick leave	1,533	(206)	2,130	2,229	793	2,209
6242 Auto Benefits	7,462	7,500	7,500	7,500	7,788	7,500
6243 Telephone Benefits	1,672	1,680	1,680	1,680	1,745	1,680
6260 Vacancy Savings	-	-	-	(11,079)	-	(10,965)
<i>O&M PERSONNEL TOTAL</i>	<i>216,954</i>	<i>229,387</i>	<i>221,924</i>	<i>225,132</i>	<i>211,644</i>	<i>222,897</i>
<i>O&M NON-PERSONNEL</i>						
7101 Advertising	-	426	-	-	-	-
7105 Books & periodicals	207	-	-	500	-	-
7110 Dues & memberships	844	846	336	1,000	1,030	1,000
7115 Educational material	-	-	-	200	-	200
7120 Office supplies	1,253	1,175	1,129	3,500	918	1,500
7130 Postage/shipping charges	57	246	62	600	148	150
7135 Telephone expenses	-	-	-	1,000	-	-

DEPARTMENT 1130 - COMMUNICATIONS AND ADMINISTRATIVE SERVICES

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
7140 Training expenses	2,269	999	600	2,725	1,375	1,260
7145 Travel expenses	6,991	687	5,462	5,600	2,818	3,168
7215 Laundry & janitorial supplies	41	-	-	-	-	-
7225 Safety supplies	-	23	33	250	-	250
7299 Other materials & supplies	341	182	429	500	-	500
7315 Food, meals, ice, water	1,165	1,352	1,224	1,500	1,668	1,500
7320 Official functions	-	-	923	-	-	2,000
7325 Rental of equip/storage/land	5,018	4,270	3,760	6,875	3,429	6,875
7335 Wearing apparel & dry goods	33	-	-	-	-	-
7601 Legal Fees	11,335	-	635	5,000	-	2,000
7645 Maintenance services	17,141	17,179	18,275	25,000	7,701	25,000
7805 Computer equipment	406	-	-	-	-	-
7806 Software licenses-new	-	-	-	-	-	-
7820 Office furniture & equipment	714	-	-	-	-	-
<i>O&M NON-PERSONNEL TOTAL</i>	47,816	27,386	32,868	54,250	19,088	45,403
	264,770	256,773	254,792	279,382	230,732	268,300



Department Responsibility: **Ryan Greenfeld**

Title: **Communications & PR Manager**

Telephone Ext: **6271**

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
Total O&M Expenses

OUTPUT MEASURES

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

OUTCOME MEASURES

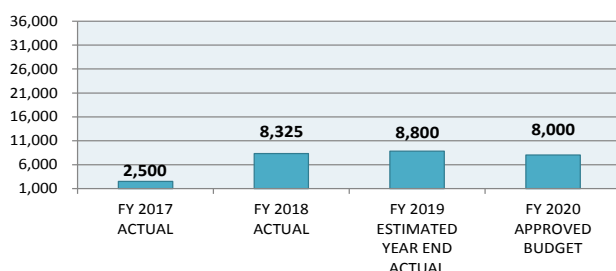
Public Information Campaigns Conducted
No. of Participants in Community Presentations
No. of Participants in Tours
No. of Participants in Safety Presentations
No. of Participants in Lobby Presentations
No. of Bill Inserts Distributed (Including CCR)
Customer Online Engagement* (Based on Social+Website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

EFFICIENCY MEASURES

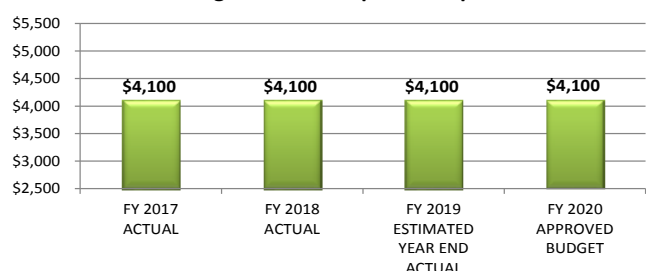
Avg. No. of Outreach Contacts (Media/Communications)
Avg. Amount of Sponsorship

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
4	4	4	4
\$ 804,296	\$ 823,557	\$ 634,337	\$ 983,127
12	12	12	12
99	90	115	100
20	25	30	25
30	35	35	30
20	20	20	20
28	28	25	25
31	31	31	31
6	6	5	6
11	11	11	11
11	11	10	11
64,000	64,000	64,000	64,000
12	12	6	6
2,500	8,325	8,800	8,000
300	250	337	300
1,100	2,300	1,500	2,000
150	150	150	150
618,600	618,600	619,000	619,000
191,364	33,059	50,000	50,000
200	200	200	200
\$ 4,100	\$ 4,100	\$ 4,100	\$ 4,100

No. of Participants in Community Presentations



Avg. Amount of Sponsorship



DEPARTMENT 1135 - COMMUNICATIONS AND PUBLIC RELATIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 72,565	\$ 71,973	\$ 72,134	\$ 72,134	\$ 62,589	\$ 120,765
6105 Administrative Staff	129,634	150,796	159,679	162,469	135,328	106,101
6201 T.M.R.S.	33,873	39,026	42,399	41,924	35,160	39,633
6205 F.I.C.A.	12,099	13,199	14,211	14,545	11,984	14,066
6210 Medicare	2,830	3,087	3,323	3,402	2,803	3,290
6214 Dental Insurance	989	1,075	1,086	1,116	1,632	2,261
6215 Hospitalization insurance	30,087	32,909	33,141	34,059	26,567	33,401
6220 Life Insurance	275	298	258	269	185	261
6221 Long Term Disability Insurance	535	589	193	469	310	454
6225 Workers Compensation	5,070	5,514	5,926	5,865	4,964	5,672
6230 Vacation leave	613	576	2,829	2,995	2,161	2,897
6235 Sick leave	2,464	6,359	11,755	3,295	3,839	3,186
6260 Vacancy Savings	-	-	-	(16,813)	-	(16,295)
<i>O&M PERSONNEL TOTAL</i>	<u>291,035</u>	<u>325,399</u>	<u>346,934</u>	<u>325,730</u>	<u>287,522</u>	<u>315,691</u>
<i>O&M NON-PERSONNEL</i>						
7101 Advertising	138,739	140,892	141,077	419,000	130,900	235,000
7102 Sponsorships	121,100	123,450	119,600	154,500	127,700	154,500
7105 Books & periodicals	-	-	-	100	-	200
7110 Dues & memberships	3,205	4,566	4,173	2,800	7,265	2,800
7115 Educational material	40	-	-	18,000	-	18,000
7120 Office supplies	779	1,217	600	3,000	421	2,000
7125 Photo equipment/supplies	-	811	41	17,800	-	-
7130 Postage/shipping charges	319	108	131	100	123	100
7135 Telephone expenses	-	-	-	100	-	100
7140 Training expenses	2,935	3,755	1,784	3,000	1,915	2,037
7145 Travel expenses	11,865	2,311	8,428	19,000	6,069	7,872
7199 Miscellaneous office expenses	-	139	-	2,000	-	1,000
7215 Laundry & janitorial supplies	705	303	150	500	496	500
7225 Safety supplies	1,032	317	286	200	105	200
7299 Other materials & supplies	2,665	1,108	1,167	3,000	306	3,000
7315 Food, meals, ice, water	1,332	1,438	2,869	4,500	3,904	3,000
7320 Official functions	23,320	20,592	15,862	54,000	6,406	20,000
7325 Rental of equip/storage/land	8,031	2,236	3,851	11,000	4,059	5,000
7335 Wearing apparel & dry goods	189	-	202	1,000	693	1,100
7415 Fuels & lubricants	307	267	197	700	190	500
7601 Legal Fees	120	-	-	-	-	-
7645 Maintenance services	-	-	-	250	200	-
7699 Other services	125,968	174,599	171,107	354,500	51,168	200,000
7805 Computer equipment	754	12	2,832	3,636	-	7,877
7806 Software licenses-new	240	744	1,704	2,650	3,390	2,650
7820 Office furniture & equipment	613	30	562	-	1,505	-
<i>O&M NON-PERSONNEL TOTAL</i>	<u>444,260</u>	<u>478,897</u>	<u>476,623</u>	<u>1,075,336</u>	<u>346,815</u>	<u>667,436</u>
	735,295	804,296	823,557	1,401,066	634,337	983,127



Department Responsibility: Marisa P. Gaytan

Title: Training and Organizational Dev Mgr

Telephone Ext: 6241

Dept. No. 1140

**PERFORMANCE MEASURES
FOR THE
TRAINING AND ORGANIZATIONAL DEVELOPMENT DEPARTMENT**

Department Function:

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

Department Goals/Objectives:

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

INPUT MEASURES

Employees (FTEs)

O&M Non-Personnel Expenses

OUTPUT MEASURES

Number of Individual Online/Self-Paced Courses Completed by Employees

Total Training Hours in All Categories

Employees Who Attended Training/Workshops

OUTCOME MEASURES

Number of Employees Participating - Book of the Month

Number of Courses/Workshops

Number of Leadership Academy Participants

% of In-House Classes/Workshops

% of Outsourced Classes/Workshops

% of Online Classes

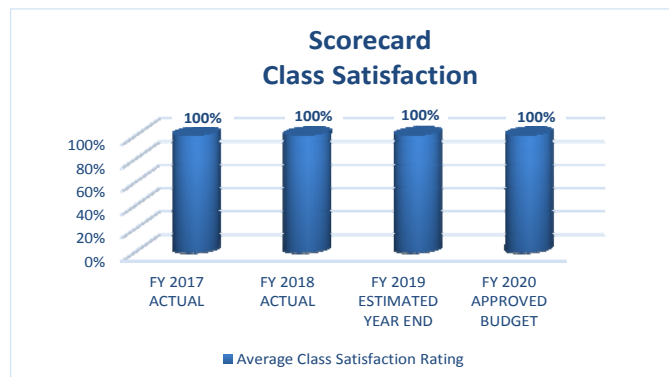
% of Employees Who Report New Learning That Will Help Them on the Job

EFFICIENCY MEASURES

Average Class Satisfaction Rating

Average Training Hours Per Employee

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END	FY 2020 APPROVED BUDGET
3	3	3	3
\$ 76,778	\$ 153,166	\$ 116,301	\$ 136,127
718	700	790	750
5,005	5,075	6,000	5,100
616	620	625	630
24	24	30	40
458	470	480	490
26	52	24	30
7%	9%	24%	10%
5%	15%	16%	15%
88%	76%	60%	75%
100%	100%	100%	100%
100%	100%	100%	100%
8	8	8	8



DEPARTMENT 1140 – TRAINING AND ORGANIZATIONAL DEVELOPMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 70,212	\$ 70,697	\$ 71,227	\$ 72,010	\$ 87,953	\$ 72,010
6105 Administrative Staff	108,397	85,931	121,450	122,138	102,045	122,138
6130 Overtime	-	-	-	1,000	-	-
6201 T.M.R.S.	29,700	27,822	34,458	34,694	33,690	33,918
6205 F.I.C.A.	10,657	9,347	11,709	12,037	11,423	12,037
6210 Medicare	2,492	2,186	2,738	2,815	2,672	2,815
6214 Dental Insurance	804	643	809	837	1,505	1,978
6215 Hospitalization insurance	21,628	19,572	21,342	21,004	24,140	29,232
6220 Life Insurance	238	203	212	220	174	220
6221 Long Term Disability Insurance	467	410	162	388	280	388
6225 Workers Compensation	4,473	3,956	4,817	4,854	4,754	4,854
6230 Vacation leave	(960)	2,834	(820)	2,479	642	2,479
6235 Sick leave	(2,586)	2,373	1,262	2,727	487	2,727
6242 Auto Benefits	-	-	-	-	144	-
6243 Telephone Benefits	-	-	-	-	32	-
6260 Vacancy Savings	-	-	-	(13,550)	-	(13,979)
<i>O&M PERSONNEL TOTAL</i>	245,523	225,975	269,366	263,652	269,943	270,816
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	13	792	271	500	594	600
7110 Dues & memberships	1,915	2,068	4,483	3,100	2,465	6,000
7115 Educational material	15,752	14,418	17,186	2,600	864	2,900
7120 Office supplies	510	1,444	1,982	2,400	2,579	2,700
7130 Postage/shipping charges	-	29	-	200	-	200
7135 Telephone expenses	-	-	-	1,250	-	1,250
7140 Training expenses	3,895	2,444	1,640	4,000	2,590	1,827
7145 Travel expenses	5,539	3,064	4,917	4,000	3,885	2,240
7147 Mileage Reimbursement (InTownExp)	24	-	19	150	34	150
7299 Other materials & supplies	179	274	250	500	161	500
7315 Food, meals, ice, water	1,070	1,164	1,377	2,500	1,615	4,000
7322 Recognition Program	50	240	228	500	5,137	600
7325 Rental of equip/storage/land	1,056	1,056	1,056	1,200	1,056	1,350
7415 Fuels & lubricants	-	-	-	200	-	200
7635 Software maintenance service fees	6,014	6,386	6,300	7,550	7,149	17,550
7699 Other services	53,446	42,752	113,345	120,000	87,762	90,000
7805 Computer equipment	-	56	111	3,400	-	3,200
7806 Software licenses-new	975	590	-	100	-	360
7820 Office furniture & equipment	2,875	-	-	-	410	500
<i>O&M NON-PERSONNEL TOTAL</i>	93,314	76,778	153,166	154,150	116,301	136,127
	338,837	302,753	422,532	417,802	386,244	406,943



Department Responsibility: **Fernando Saenz, P.E.**

Title: **Assistant GM & COO**

Telephone Ext: **6266**

Dept. No: **1145**

**PERFORMANCE MEASURES
FOR THE
ELECTRICAL SYSTEMS DEPARTMENT**

Department Function:

The Electrical Systems division defines, develops, implements and manages the effective execution of operational strategies, processes and programs for Substations and Relaying, Electric Transmission & Distribution Construction & Maintenance, Energy Control Center Operations, Power Production, Electric Meter Shop, Electric Engineering and Fuel & Purchased Energy Supply.

Department Goals/Objectives:

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

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 228,353	\$ 272,347	\$ 274,554	\$ 272,958	\$ 209,236	\$ 291,450
6110 Clerical staff	11,499	34,615	34,688	33,800	34,721	33,800
6130 Overtime	139	155	141	195	316	439
6201 T.M.R.S.	42,723	55,725	56,972	54,818	54,018	56,821
6205 F.I.C.A.	14,014	16,852	17,467	19,019	16,403	20,165
6210 Medicare	3,533	4,474	4,578	4,448	4,382	4,716
6214 Dental Insurance	544	804	814	837	1,320	1,777
6215 Hospitalization insurance	19,424	26,917	25,744	25,699	22,574	26,386
6220 Life Insurance	294	387	322	333	227	344
6221 Long Term Disability Insurance	609	808	259	614	332	651
6225 Workers Compensation	6,224	7,874	7,964	7,669	7,741	8,131
6230 Vacation leave	1,783	1,915	1,075	3,917	(2,676)	4,153
6235 Sick leave	45,164	1,290	3,921	4,308	(2,677)	4,568
6242 Auto Benefits	7,212	7,500	7,500	7,500	4,615	7,500
6243 Telephone Benefits	1,616	1,680	1,680	1,680	1,034	1,680
6260 Vacancy Savings	-	-	-	(21,010)	-	(22,212)
<i>O&M PERSONNEL TOTAL</i>	<i>383,130</i>	<i>433,345</i>	<i>437,681</i>	<i>416,785</i>	<i>351,567</i>	<i>440,369</i>
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	79	303	-	400	-	300
7110 Dues & memberships	536	1,166	2,990	2,750	2,469	2,720
7120 Office supplies	464	897	1,164	1,150	587	1,150
7130 Postage/shipping charges	-	152	25	300	249	250
7140 Training expenses	822	939	1,695	1,840	1,028	462
7145 Travel expenses	11,330	5,996	6,170	4,775	3,609	3,872
7225 Safety supplies	-	210	15	100	266	300
7299 Other materials & supplies	-	194	192	200	168	165
7315 Food, meals, ice, water	25	649	288	500	529	200
7635 Software maintenance service fees	1,355	7,487	2,318	6,500	1,126	400
7699 Other services	75	-	-	200	-	150
7805 Computer equipment	-	42	-	325	572	200
7806 Software licenses-new	778	-	306	500	-	325
7820 Office furniture & equipment	-	-	500	500	418	500
7835 Tools, shop and garage equipment	-	-	-	-	431	450
7899 Other minor tools & equipment	399	485	-	850	-	500
<i>O&M NON-PERSONNEL TOTAL</i>	<i>15,862</i>	<i>18,520</i>	<i>15,662</i>	<i>20,890</i>	<i>11,452</i>	<i>11,944</i>
	398,992	451,865	453,343	437,675	363,019	452,313

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Department Responsibility: John S. Bruciak, P.E.

Title: General Manager & CEO

Telephone Ext: 6277

Dept. No: 1150

**PERFORMANCE MEASURES
FOR THE
BOARD OF DIRECTORS**

Department Function:

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

Department Goals/Objectives:

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

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
7110 Dues & memberships	89,937	121,501	99,678	60,000	96,664	60,000
7120 Office supplies	1,398	90	172	2,750	257	2,750
7140 Training expenses	3,080	1,650	3,220	5,025	-	2,268
7145 Travel expenses	21,684	23,673	19,948	25,000	7,453	14,080
7299 Other materials & supplies	574	308	-	500	-	500
7315 Food, meals, ice, water	4,508	4,896	8,286	9,000	7,763	9,000
7320 Official functions	1,323	345	-	-	3,695	-
7601 Legal Fees	121,774	158,276	79,118	150,000	-	75,000
7805 Computer equipment	730	-	-	900	-	1,000
<i>O&M NON-PERSONNEL TOTAL</i>	245,009	310,738	210,423	253,175	115,832	164,598
	245,009	310,738	210,423	253,175	115,832	164,598

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Department Responsibility: **Nancy P. Tello**
 Title: **Enterprise Content,
 Records & Policies 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 with 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 in managing their records so that they are accessible and are maintained efficiently and cost effectively and to retain records that are required to be kept, identify and preserve records with permanent value and dispose of records with no further value in a secure and timely manner.

INPUT MEASURES

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

OUTPUT MEASURES

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

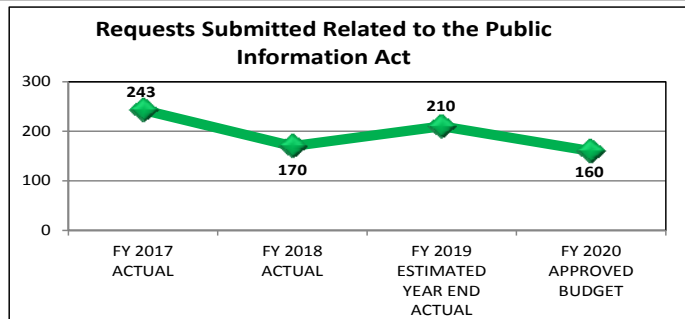
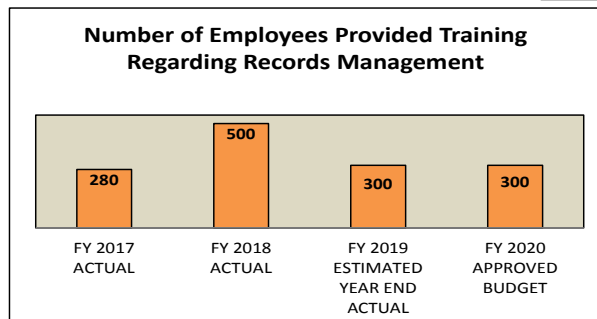
OUTCOME MEASURES

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

EFFICIENCY MEASURES

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

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
2	3	3	3
\$174,502	\$155,380	\$143,988	\$477,096
59	59	61	61
243	170	210	160
8	12	7	7
24	6	20	15
3	2	5	3
12	3	10	6
280	500	300	300
12	6	3	6
6 days	3 - 5 days	2 - 4 days	3 - 4 days
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes



DEPARTMENT 1165 – RECORDS MANAGEMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
6101 Supervision	\$ 64,177	\$ 66,806	\$ 71,136	\$ 73,715	\$ 69,000	\$ 73,715
6105 Administrative Staff	-	3,394	44,965	46,322	44,651	46,322
6110 Clerical staff	38,425	40,574	43,417	43,805	42,531	43,805
6130 Overtime	1,198	962	47	790	203	790
6201 T.M.R.S.	17,292	19,731	28,538	29,279	29,071	28,623
6205 F.I.C.A.	6,073	6,489	9,400	10,158	9,195	10,158
6210 Medicare	1,420	1,518	2,198	2,376	2,150	2,376
6214 Dental Insurance	536	563	815	837	1,400	1,854
6215 Hospitalization insurance	18,210	19,441	25,010	25,699	24,822	29,232
6220 Life Insurance	139	146	180	190	151	190
6221 Long Term Disability Insurance	267	287	132	328	235	328
6225 Workers Compensation	2,603	2,787	3,989	4,096	3,910	4,096
6230 Vacation leave	1,858	2,223	(912)	2,092	1,449	2,092
6235 Sick leave	1,013	6,746	5,532	2,301	(3,001)	2,301
6260 Vacancy Savings	-	-	-	(11,840)	-	(12,035)
<i>O&M PERSONNEL TOTAL</i>	153,213	171,665	234,448	230,146	225,769	233,846
<i>O&M NON-PERSONNEL</i>						
7101 Advertising	-	-	1,348	2,000	-	1,500
7105 Books & periodicals	73	43	-	200	-	200
7110 Dues & memberships	390	795	1,214	1,000	774	1,000
7120 Office supplies	1,006	1,851	1,431	2,000	1,818	1,500
7130 Postage/shipping charges	-	143	173	200	155	200
7135 Telephone expenses	-	-	199	2,000	-	1,140
7140 Training expenses	1,434	2,401	4,988	6,675	3,378	3,045
7145 Travel expenses	2,760	1,178	6,701	8,700	6,598	5,696
7225 Safety supplies	-	55	13	200	78	100
7299 Other materials & supplies	473	461	394	1,000	218	500
7315 Food, meals, ice, water	1,731	1,054	824	2,000	1,680	1,500
7325 Rental of equip/storage/land	17,625	17,730	22,065	24,000	19,551	24,000
7415 Fuels & lubricants	192	241	264	1,000	334	500
7601 Legal Fees	24,940	24,028	14,408	20,000	23,615	20,000
7635 Software maintenance service fees	-	-	-	-	-	95,975
7645 Maintenance services	-	-	-	69,000	-	-
7699 Other services	8,878	121,720	95,275	161,500	85,789	185,000
7805 Computer equipment	-	45	45	14,885	-	6,000
7806 Software licenses-new	-	-	-	1,920	-	128,840
7820 Office furniture & equipment	-	2,756	6,040	5,490	-	400
<i>O&M NON-PERSONNEL TOTAL</i>	59,501	174,502	155,380	323,770	143,988	477,096
	212,714	346,167	389,828	553,916	369,757	710,942



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

Department Goals/Objectives:

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

INPUT MEASURES

Employees (FTE's)
Total O&M Expenses

OUTPUT MEASURES

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

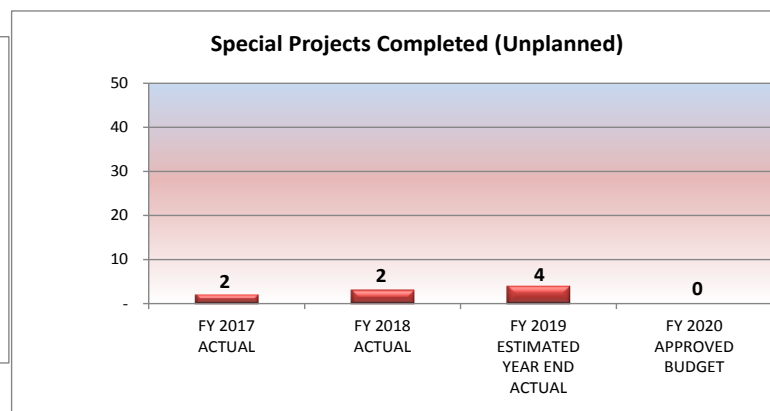
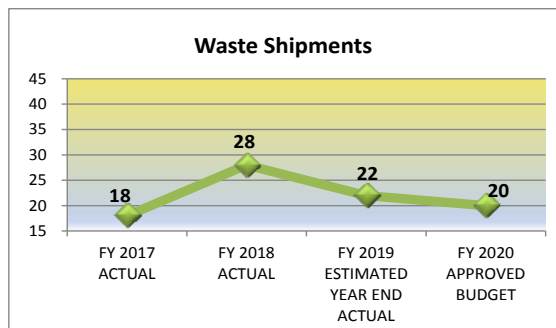
OUTCOME MEASURES

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 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
5	5	6	6
\$ 1,183,728	\$1,036,847	\$ 1,164,494	\$ 1,310,916
108	108	120	120
12	12	12	12
2	2	2	2
5	5	5	5
18	28	22	20
100%	100%	100%	100%
4/4	3/3	2/2	-
258,495	527,647	393,071	393,071
\$ -	\$ -	\$ -	\$ -
2	3	4	-
98%	100%	100%	100%



DEPARTMENT 1410 - ENVIRONMENTAL SERVICES

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 120,939	\$ 128,693	\$ 136,136	\$ 136,136	\$ 136,660	\$ 136,136
6105 Administrative Staff	105,651	159,614	159,973	159,973	182,210	215,634
6110 Clerical staff	39,000	39,731	39,703	39,250	39,799	39,250
6130 Overtime	804	1,879	944	2,010	796	2,264
6201 T.M.R.S.	45,880	59,252	61,866	59,929	65,351	68,311
6205 F.I.C.A.	15,454	18,957	19,394	20,792	20,432	24,243
6210 Medicare	3,794	4,543	4,684	4,863	4,960	5,670
6214 Dental Insurance	1,088	1,336	1,357	1,395	3,400	4,857
6215 Hospitalization insurance	38,919	51,619	52,813	54,312	59,292	74,135
6220 Life Insurance	352	429	367	379	326	443
6221 Long Term Disability Insurance	699	865	283	671	515	782
6225 Workers Compensation	6,905	8,371	8,648	8,384	9,225	9,775
6230 Vacation leave	1,822	2,354	2,186	4,282	6,825	4,992
6235 Sick leave	32,193	8,753	3,617	4,710	1,546	5,492
6242 Auto Benefits	7,500	7,500	7,500	7,500	7,789	7,500
6243 Telephone Benefits	1,680	1,680	1,680	1,680	1,745	1,680
6260 Vacancy Savings	-	-	-	(24,304)	-	(28,962)
<i>O&M PERSONNEL TOTAL</i>	422,681	495,577	501,150	481,960	540,870	572,203
<i>O&M NON-PERSONNEL</i>						
7101 Advertising	-	1,275	-	800	-	800
7105 Books & periodicals	-	92	241	300	-	300
7110 Dues & memberships	1,954	1,974	3,775	3,000	3,580	3,000
7120 Office supplies	1,534	1,077	1,247	800	1,043	800
7130 Postage/shipping charges	1,643	1,984	1,912	1,500	1,856	1,500
7140 Training expenses	1,840	4,705	3,004	5,920	3,630	2,625
7145 Travel expenses	10,294	11,265	7,252	12,994	6,793	9,536
7147 Mileage Reimbursement (InTownExp)	-	-	-	100	-	100
7293 Chemicals - other	16,871	21,599	21,884	23,000	25,985	23,000
7299 Other materials & supplies	1,862	1,822	4,962	1,500	539	1,500
7310 Federal, state, & local fees	376,871	450,239	395,900	455,000	431,601	430,000
7315 Food, meals, ice, water	907	1,453	384	800	151	500
7325 Rental of equip/storage/land	9,603	9,157	9,311	12,000	8,674	12,000
7335 Wearing apparel & dry goods	333	653	757	400	996	600
7415 Fuels & lubricants	1,545	2,686	1,696	1,200	1,142	1,200
7601 Legal Fees	5,821	-	1,218	5,000	-	5,000
7620 Environmental consulting fees	4,311	2,145	-	15,000	1,410	15,000
7699 Other services	134,979	174,531	68,604	430,000	133,698	230,000
7805 Computer equipment	3,840	299	-	300	-	300
7820 Office furniture & equipment	2,052	1,196	13,550	2,000	2,256	752
7899 Other minor tools & equipment	-	-	-	200	271	200
<i>O&M NON-PERSONNEL TOTAL</i>	576,261	688,151	535,697	971,814	623,624	738,713
	998,942	1,183,728	1,036,847	1,453,774	1,164,494	1,310,916



Department Responsibility: Ramiro Capistran Jr.

Title: Environmental Manager

Telephone Ext: 6511

Dept. No: 1420

**PERFORMANCE MEASURES
FOR THE
ENVIRONMENTAL COMPLIANCE DEPARTMENT**

Department Function:

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

Department Goals/Objectives:

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

INPUT MEASURES

Employees (FTE's)
Total O&M Expenses

OUTPUT MEASURES

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

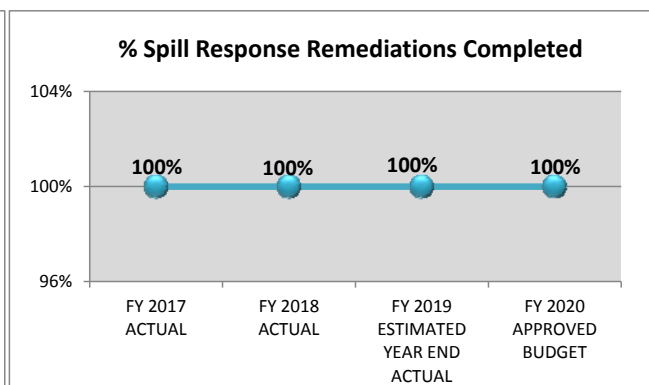
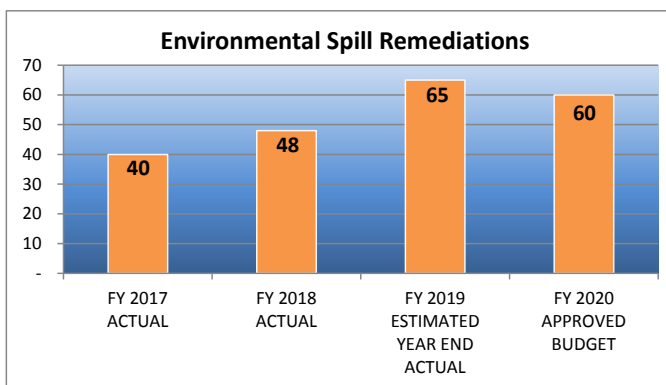
OUTCOME MEASURES

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

EFFICIENCY MEASURES

EPA & TCEQ Fines Levied

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
6	6	6	6
\$ 958,689	\$ 885,039	\$ 866,583	\$ 986,286
325	336	336	336
6	6	8	8
40	48	65	60
40	48	65	60
3	1	1	-
3	-	-	-
100%	100%	100%	100%
100%	100%	100%	100%
100%	100%	100%	100%
100%	100%	100%	100%
\$ -	\$ -	\$ -	\$ -



DEPARTMENT 1420 – ENVIRONMENTAL COMPLIANCE

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 79,635	\$ 80,979	\$ 81,162	\$ 81,162	\$ 81,474	\$ 81,162
6105 Administrative Staff	193,377	254,716	267,194	209,830	239,158	204,714
6115 Operational staff	93,829	41,637	39,796	100,360	43,530	102,378
6130 Overtime	3,978	4,715	767	2,100	1,462	3,062
6201 T.M.R.S.	61,796	67,487	69,556	69,935	64,787	67,828
6205 F.I.C.A.	22,310	22,690	23,171	24,264	21,794	24,072
6210 Medicare	5,218	5,306	5,419	5,675	5,097	5,630
6214 Dental Insurance	1,535	1,598	1,628	1,674	2,644	3,430
6215 Hospitalization insurance	50,345	55,513	56,684	58,286	53,942	60,959
6220 Life Insurance	487	491	425	443	337	437
6221 Long Term Disability Insurance	962	986	323	783	532	777
6225 Workers Compensation	9,294	9,535	9,723	9,784	9,141	9,706
6230 Vacation leave	2,866	4,655	1,503	4,997	(5,914)	4,957
6235 Sick leave	(150)	8,456	(413)	5,497	(22,829)	5,453
6260 Vacancy Savings	-	-	-	(28,110)	-	(28,055)
<i>O&M PERSONNEL TOTAL</i>	525,482	558,765	556,937	546,678	495,155	546,507
<i>O&M NON-PERSONNEL</i>						
7101 Advertising	-	4,594	-	5,000	2,747	5,000
7105 Books & periodicals	309	672	300	250	-	250
7110 Dues & memberships	1,022	756	1,067	1,600	728	1,300
7120 Office supplies	1,378	2,625	840	1,600	2,310	1,600
7130 Postage/shipping charges	1,237	762	741	600	974	1,000
7135 Telephone expenses	30	-	100	100	-	100
7140 Training expenses	6,843	3,265	1,358	3,300	1,493	4,473
7145 Travel expenses	12,236	10,743	5,588	11,000	4,273	10,304
7147 Mileage Reimbursement (InTownExp)	38	-	-	100	-	100
7225 Safety supplies	-	-	-	-	65	-
7293 Chemicals - other	132	-	-	750	-	750
7299 Other materials & supplies	19,929	24,810	11,172	25,000	9,745	14,000
7310 Federal, state, & local fees	17,979	20,860	21,625	22,000	22,674	25,000
7315 Food, meals, ice, water	695	687	128	750	75	750
7325 Rental of equip/storage/land	10,055	3,338	4,369	6,000	4,516	6,000
7335 Wearing apparel & dry goods	2,442	2,700	4,137	2,000	2,718	3,000
7415 Fuels & lubricants	1,331	956	1,889	1,000	2,415	2,000
7599 Maintenance / other	14,676	3,663	30,985	24,000	27,623	24,000
7620 Environmental consulting fees	87,498	57,461	89,836	85,000	26,455	85,000
7635 Software maintenance service fees	17,000	17,000	17,850	20,000	17,850	18,000
7645 Maintenance services	14,779	-	24,750	33,600	33,000	25,000
7699 Other services	212,833	244,483	106,431	233,600	210,478	210,000
7820 Office furniture & equipment	1,081	550	4,937	2,000	1,140	902
7835 Tools, shop and garage equipment	-	-	-	250	-	250
7899 Other minor tools & equipment	888	-	-	1,000	149	1,000
<i>O&M NON-PERSONNEL TOTAL</i>	424,412	399,924	328,102	480,500	371,428	439,779
	949,894	958,689	885,039	1,027,178	866,583	986,286



Department Responsibility: **Vicente Guerrero III**

Title: **Lab and Cross Connection Control Mgr**

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 Expenses
O&M Non-Personnel Expenses
Total O&M Expenses

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

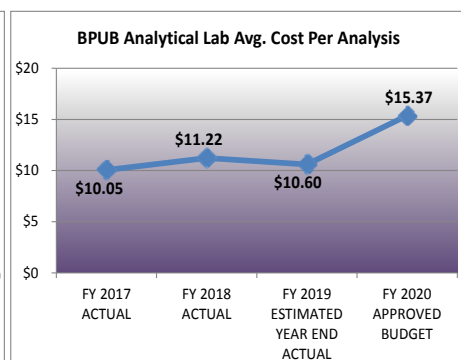
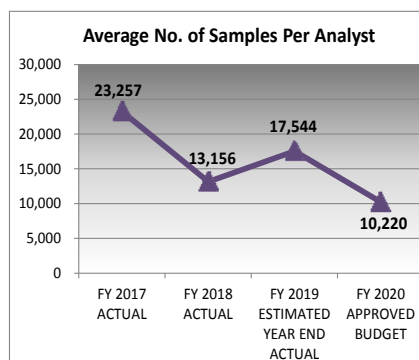
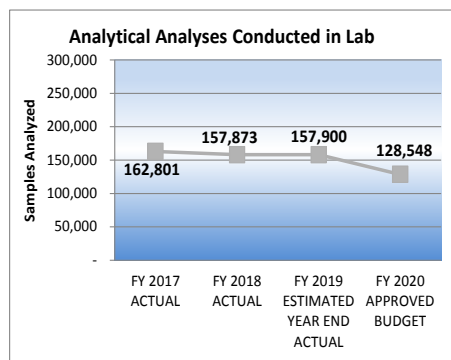
OUTCOME MEASURES

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 No. of Samples Per Analyst

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
16	16	16	16
\$ 1,004,538	\$ 1,128,380	\$ 1,075,132	\$ 1,097,527
\$ 631,866	\$ 643,531	\$ 599,296	\$ 793,623
\$ 1,636,404	\$ 1,771,911	\$ 1,674,428	\$ 1,891,150
12	12	12	12
136	96	96	96
24	27	27	27
49	52	52	52
4,587	10,270	10,270	10,220
162,801	157,873	157,900	128,548
YES	YES	YES	YES
YES	YES	YES	YES
96%	100%	100%	100%
YES/YES/YES	YES/YES/YES	YES/YES/YES	YES/YES/YES
YES/YES	YES/YES	YES/YES	YES/YES
\$ 10.05	\$ 11.22	\$ 10.60	\$ 15.37
23,257	13,156	17,544	10,220



DEPARTMENT 1422 - ANALYTICAL LABORATORY

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 128,688	\$ 135,424	\$ 137,695	\$ 137,696	\$ 119,990	\$ 154,232
6105 Administrative Staff	87,749	110,514	199,615	240,885	241,811	240,885
6110 Clerical staff	33,600	34,393	34,449	34,195	35,389	34,195
6115 Operational staff	353,712	340,464	318,653	293,488	271,496	280,176
6130 Overtime	37,761	62,051	73,141	65,611	39,718	52,597
6201 T.M.R.S.	106,844	119,400	137,783	126,164	136,257	123,948
6205 F.I.C.A.	38,216	40,085	45,791	43,788	45,673	43,988
6210 Medicare	8,938	9,375	10,709	10,241	10,682	10,288
6214 Dental Insurance	3,625	3,511	4,125	4,464	7,302	9,973
6215 Hospitalization insurance	106,900	105,614	127,458	136,855	128,036	155,671
6220 Life Insurance	821	820	777	845	648	848
6221 Long Term Disability Insurance	1,568	1,603	558	1,413	979	1,419
6225 Workers Compensation	16,165	16,907	19,138	17,657	19,221	17,737
6230 Vacation leave	(1,304)	5,103	10,641	9,017	4,527	9,059
6235 Sick leave	(6,369)	19,274	7,847	9,920	13,403	9,965
6260 Vacancy Savings	-	-	-	(46,444)	-	(47,453)
<i>O&M PERSONNEL TOTAL</i>	916,913	1,004,538	1,128,380	1,085,794	1,075,132	1,097,527
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	1,200	-	1,200
7110 Dues & memberships	3,516	2,517	2,970	2,475	2,930	2,475
7120 Office supplies	2,516	5,353	6,857	6,000	5,487	6,000
7130 Postage/shipping charges	7,670	7,061	3,430	3,700	2,729	3,700
7140 Training expenses	5,225	4,600	8,156	7,785	5,856	4,368
7145 Travel expenses	6,908	7,232	9,941	8,606	9,926	7,136
7180 Utilities - departmental	51,407	45,982	49,627	45,000	51,853	50,000
7205 Lamps, globes & flares	1,738	-	-	-	-	-
7215 Laundry & janitorial supplies	34	-	-	-	-	-
7225 Safety supplies	135	592	875	1,000	233	4,000
7293 Chemicals - other	84,441	97,183	112,783	97,900	89,446	108,400
7299 Other materials & supplies	27,142	29,330	56,751	31,500	29,499	33,500
7310 Federal, state, & local fees	3,050	3,050	3,050	3,525	3,050	3,525
7315 Food, meals, ice, water	1,071	952	467	1,000	377	1,000
7325 Rental of equip/storage/land	23,904	19,868	21,125	22,762	21,387	24,200
7335 Wearing apparel & dry goods	3,061	5,312	5,139	7,800	6,120	4,600
7415 Fuels & lubricants	3,877	3,601	4,779	5,500	5,958	6,000
7501 Maint. of buildings & structures	76,611	31,692	5,372	65,000	17,133	153,200
7645 Maintenance services	155,788	153,618	186,091	167,500	152,743	168,400
7699 Other services	160,573	153,664	117,409	173,100	118,246	150,000
7801 Communication equipment	-	-	250	-	759	-
7805 Computer equipment	-	-	2,473	1,781	800	3,744
7806 Software licenses-new	2,528	639	-	650	-	1,997
7810 Laboratory equipment	25,644	55,680	45,986	70,000	73,597	50,000
7820 Office furniture & equipment	-	3,562	-	-	1,169	1,178
7899 Other minor tools & equipment	-	379	-	5,000	-	5,000
<i>O&M NON-PERSONNEL TOTAL</i>	646,837	631,866	643,531	728,784	599,296	793,623
	1,563,750	1,636,404	1,771,911	1,814,578	1,674,428	1,891,150



Department Responsibility: **Juan R. Carrizales**

Title: **Pretreatment Manager**

Telephone Ext: **6253**

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 pre-treatment programs to comply with pre-treatment regulations and prevent enforcement actions from State and Federal agencies.

INPUT MEASURES

Employees (FTE's)
Total O&M Expenses

OUTPUT MEASURES

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

OUTCOME MEASURES

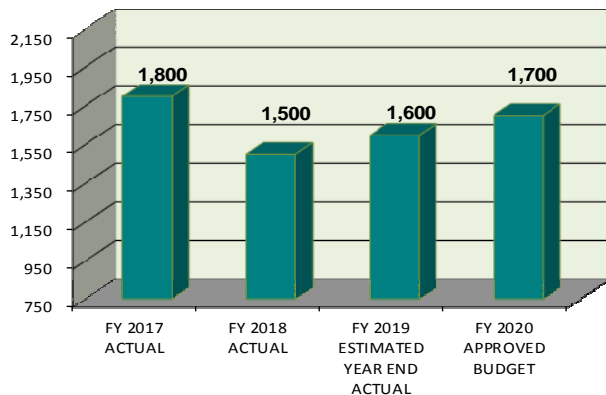
Number of Compliance Inspections for SIU's
Number of Compliance Sampling Events for SIU's
Number of Permits Issued
Number of Surcharge Sampling Events
Number of Commercial User Inspections

EFFICIENCY MEASURES

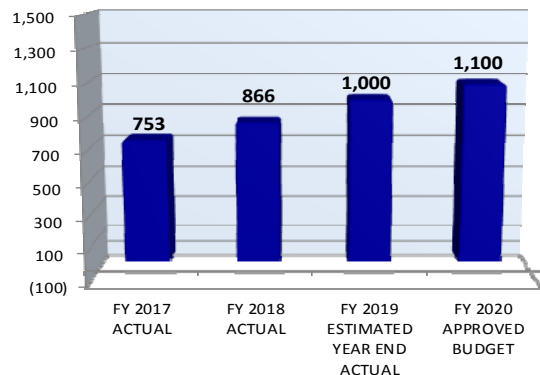
EPA & TCEQ Audits & Inspections Violations
Cost Recovery
Surcharges

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
8	8	7	7
\$ 591,418	\$ 601,065	\$ 629,044	\$ 582,769
12	12	12	12
10	10	10	10
5	5	5	5
1,800	1,500	1,600	1,700
1	1	1	1
10	10	10	10
20	20	20	20
10	10	10	10
60	36	36	36
753	866	1,000	1,100
0/1/1	0/0/0	0/1/0	0/0/0
\$ 38,884	\$ 36,302	\$ 35,306	\$ 35,306
\$ 74,002	\$ 103,104	\$ 91,357	\$ 91,357

Number of Commercial Users



Number of Commercial User Inspections



DEPARTMENT 1430 – PRE-TREATMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 80,099	\$ 82,330	\$ 83,699	\$ 83,699	\$ 80,328	\$ 79,706
6105 Administrative Staff	243,060	137,477	153,978	156,354	135,333	100,693
6110 Clerical staff	28,582	31,243	32,423	32,094	32,466	32,094
6115 Operational staff	187,739	113,203	98,703	114,317	113,385	114,317
6130 Overtime	6,727	6,683	3,419	8,628	9,168	8,447
6201 T.M.R.S.	90,934	66,225	66,562	69,061	65,660	57,094
6205 F.I.C.A.	32,352	21,980	21,820	23,961	21,922	20,262
6210 Medicare	7,566	5,140	5,103	5,604	5,127	4,739
6214 Dental Insurance	3,160	2,068	2,138	2,232	3,458	3,914
6215 Hospitalization insurance	93,484	63,015	63,007	63,732	59,702	60,139
6220 Life Insurance	754	486	435	456	354	387
6221 Long Term Disability Insurance	1,435	943	318	773	532	654
6225 Workers Compensation	13,801	9,386	9,558	9,662	9,320	8,170
6230 Vacation leave	(1,200)	1,068	(3,527)	4,934	2,769	4,173
6235 Sick leave	(5,678)	(26,466)	(3,791)	5,428	19,079	4,590
6240 Educational assistance	2,323	-	-	-	-	-
6260 Vacancy Savings	-	-	-	(28,097)	-	(24,108)
<i>O&M PERSONNEL TOTAL</i>	785,138	514,781	533,846	552,837	558,604	475,269
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	202	-	397	335	-	335
7110 Dues & memberships	972	642	548	1,500	463	1,500
7120 Office supplies	5,314	2,986	1,561	3,000	2,854	3,000
7130 Postage/shipping charges	81	104	79	250	129	250
7140 Training expenses	3,461	4,102	3,263	6,395	3,560	2,583
7145 Travel expenses	5,905	6,147	7,758	6,000	4,948	4,224
7147 Mileage Reimbursement (InTownExp)	-	-	-	250	-	200
7215 Laundry & janitorial supplies	231	140	162	500	130	500
7225 Safety supplies	934	559	1,064	750	1,623	1,000
7293 Chemicals - other	628	1,718	782	2,000	1,173	2,000
7299 Other materials & supplies	7,220	5,266	3,262	6,000	5,007	6,000
7315 Food, meals, ice, water	593	865	119	750	301	500
7325 Rental of equip/storage/land	6,773	3,321	3,759	6,000	3,914	6,000
7335 Wearing apparel & dry goods	4,735	4,925	5,706	3,000	4,091	4,500
7415 Fuels & lubricants	3,641	3,258	4,431	2,500	5,148	5,500
7501 Maint. of buildings & structures	51,141	517	3,400	10,000	8,795	20,408
7635 Software maintenance service fees	4,350	2,892	1,600	5,000	1,645	3,000
7645 Maintenance services	7,942	8,856	5,606	9,000	4,076	9,500
7699 Other services	34,419	29,300	23,215	25,000	19,969	30,000
7810 Laboratory equipment	-	-	-	-	1,775	1,000
7820 Office furniture & equipment	-	1,041	507	2,000	838	5,500
<i>O&M NON-PERSONNEL TOTAL</i>	138,542	76,637	67,219	90,230	70,440	107,500
	923,680	591,418	601,065	643,067	629,044	582,769



Department Responsibility: Vicente Guerrero, III

Title: Laboratory and Cross Conn Control Mgr

Telephone Ext: 6357

Dept. No: 1435

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

Department Function:

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

Department Goals/Objectives:

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

INPUT MEASURES

Employees (FTE's)

Total O&M Expenses

OUTPUT MEASURES

Number of facilities

Number of assemblies -valves

Number of commercial customers

Number of residential customers

Number of industrial customers

OUTCOME MEASURES

Number of Test & Maintenance Reports (TMR)

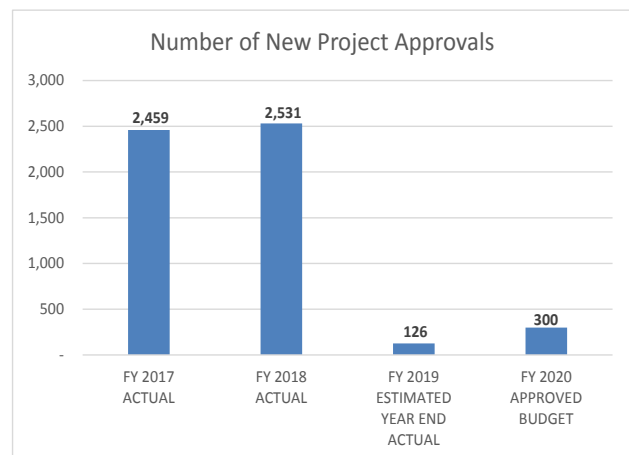
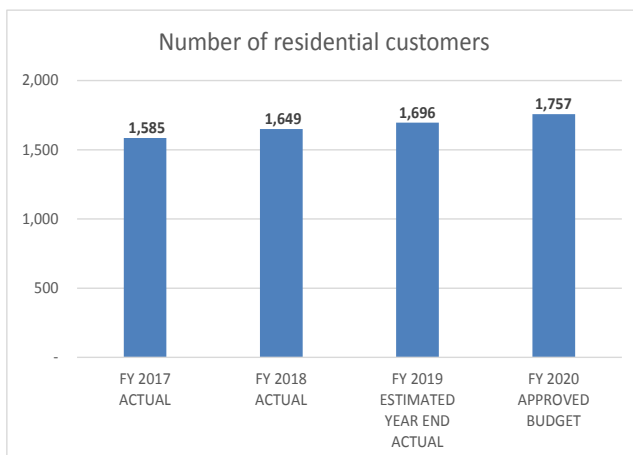
Number of New Project Approvals

Number of Customer Service Inspections(CSI)

EFFICIENCY MEASURES

EPA & TCEQ Audits & Inspections Violations

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
3	3	3	3
\$ 212,997	\$ 225,212	\$ 259,090	\$ 753,774
3,105	3,247	3,343	3,463
4,379	4,689	5,504	6,619
1,439	1,512	1,554	1,610
1,585	1,649	1,696	1,757
81	86	93	96
2,459	2,531	1,772	2,400
2,459	2,531	126	300
0	0	90	1,500
0/0/0	0/1/0	0/0/0	0/0/0



DEPARTMENT 1435 – CROSS CONNECTION CONTROL

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6105 Administrative Staff	\$ -	\$ 50,002	\$ 54,787	\$ 32,872	\$ 54,998	\$ 32,872
6115 Operational staff	-	50,676	72,337	72,363	72,999	72,363
6130 Overtime	-	800	1,983	4,958	2,340	5,157
6201 T.M.R.S.	-	17,901	23,090	18,806	23,087	18,385
6205 F.I.C.A.	-	5,986	7,562	6,525	7,528	6,525
6210 Medicare	-	1,400	1,768	1,526	1,761	1,526
6214 Dental Insurance	-	674	814	725	1,415	1,453
6215 Hospitalization insurance	-	20,747	25,483	21,354	27,671	26,784
6220 Life Insurance	-	151	148	128	126	128
6221 Long Term Disability Insurance	-	291	107	210	190	210
6225 Workers Compensation	-	2,760	3,228	2,631	3,258	2,631
6230 Vacation leave	-	4,781	141	1,344	2,312	1,344
6235 Sick leave	-	28,167	3,075	1,478	2,479	1,478
6260 Vacancy Savings	-	-	-	(7,857)	-	(8,144)
<i>O&M PERSONNEL TOTAL</i>	-	184,336	194,523	157,062	200,164	162,712
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	208	420	250	-	250
7110 Dues & memberships	-	251	342	750	479	750
7120 Office supplies	-	1,983	1,452	3,000	795	3,000
7130 Postage/shipping charges	-	-	29	250	50	250
7140 Training expenses	-	-	5,362	1,600	2,826	1,512
7145 Travel expenses	-	-	4,871	2,400	2,521	2,400
7147 Mileage Reimbursement (InTownExp)	-	-	-	150	-	150
7215 Laundry & janitorial supplies	-	144	105	500	104	500
7225 Safety supplies	-	387	308	350	-	550
7293 Chemicals - other	-	-	-	350	-	500
7299 Other materials & supplies	-	5,501	7,966	6,000	8,429	11,000
7315 Food, meals, ice, water	-	72	38	500	38	500
7325 Rental of equip/storage/land	-	2,741	1,658	2,500	1,919	-
7335 Wearing apparel & dry goods	-	-	-	2,500	1,527	4,000
7415 Fuels & lubricants	-	-	-	2,000	-	2,000
7635 Software maintenance service fees	-	3,600	5,375	4,000	-	5,000
7645 Maintenance services	-	3,015	2,150	3,000	3,814	5,500
7699 Other services	-	10,360	-	342,500	35,874	550,000
7820 Office furniture & equipment	-	400	613	1,000	550	3,200
<i>O&M NON-PERSONNEL TOTAL</i>	-	28,661	30,689	373,600	58,926	591,062
	-	212,997	225,212	530,662	259,090	753,774



Department Responsibility: **Jovan Coblentz**
 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)
 Total 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

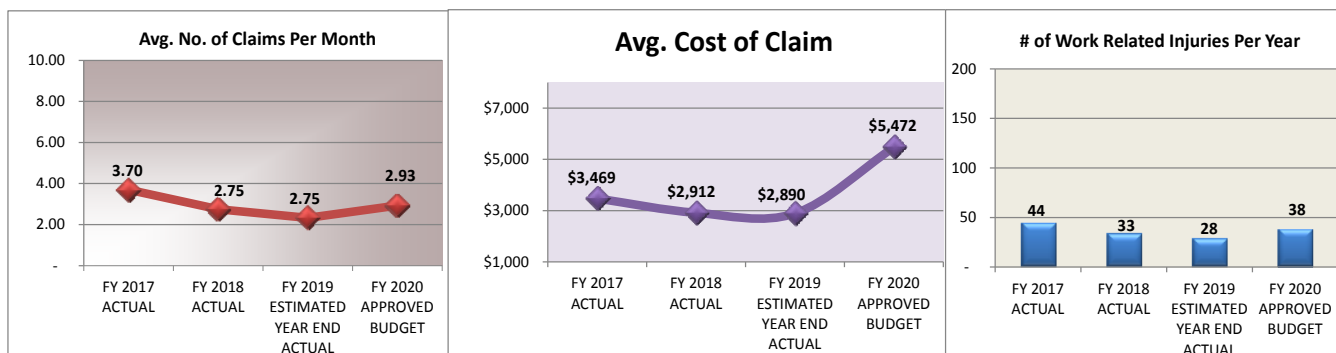
Maintain Monthly Count of Incidents by Department
 Maintain Monthly Tally of Cost Per Injury
 Track % of Timeliness of Reporting
 Number of Employees Provided Training
 Total Number of Training Hours

EFFICIENCY MEASURES

Avg. No. of Claims Per Month
 Avg. Cost of Claim
 No. of Work Related Injuries Per Year
 Lost Time Accident/Incident Rate
 Cost of Training Hour
 Cost per Employee Attendee

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
6	6	6	4
\$ 1,387,181	\$ 1,567,201	\$ 1,351,340	\$ 963,147
12	12	12	12
12	12	12	12
12	12	24	12
430	750	750	750
125	102	112	102
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
100%	100%	100%	100%
1,190	1,556	1,070	1,189
3,423	4,158	3,700	3,571
3.70	2.75	2.33	2.93
\$ 3,469	\$ 2,912	\$ 2,890	\$ 5,472
44	33	28	38
8.95	2.04	1.99	4.33
26.60	24.80	19.46	29.63
76.52	*84.35	67.28	89.02

*(Increase due to LOTO Training of Managers, Authorized & Affected Employees)



DEPARTMENT 1440 – HEALTH & SAFETY

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 92,611	\$ 96,700	\$ 100,942	\$ 100,942	\$ 80,053	\$ 53,622
6105 Administrative Staff	160,491	220,097	227,675	230,526	190,058	175,011
6110 Clerical staff	27,035	27,068	28,282	29,162	28,898	27,768
6130 Overtime	330	174	127	901	58	901
6201 T.M.R.S.	48,259	60,742	64,115	64,445	54,619	44,793
6205 F.I.C.A.	17,405	20,461	21,269	22,359	18,148	15,897
6206 Suta	-	9,963	-	-	-	-
6210 Medicare	4,070	4,785	4,974	5,229	4,244	3,718
6214 Dental Insurance	1,350	1,619	1,628	1,674	2,579	2,745
6215 Hospitalization insurance	39,750	49,687	50,004	51,398	46,305	43,262
6220 Life Insurance	371	458	395	412	285	297
6221 Long Term Disability Insurance	725	910	298	721	416	513
6225 Workers Compensation	7,320	8,582	8,963	9,016	7,713	6,410
6230 Vacation leave	1,689	7,606	1,433	4,604	2,550	3,274
6235 Sick leave	7,663	11,872	11,582	5,065	12,291	3,601
6260 Vacancy Savings	-	-	-	(25,794)	-	(23,314)
<i>O&M PERSONNEL TOTAL</i>	409,069	520,725	521,688	500,662	448,217	358,499
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	325	17,819	1,334	6,920	123	2,920
7110 Dues & memberships	1,535	1,733	2,351	2,320	1,461	2,250
7115 Educational material	6,785	30,990	1,192	14,850	15,505	14,850
7120 Office supplies	4,823	6,122	4,596	5,000	2,966	5,000
7125 Photo equipment/supplies	-	-	160	150	-	950
7130 Postage/shipping charges	172	33	465	600	76	600
7135 Telephone expenses	1,582	7,984	4,540	11,100	4,201	8,400
7140 Training expenses	3,045	304	2,325	23,500	595	9,786
7145 Travel expenses	8,463	1,426	6,849	27,000	680	13,792
7220 Medical supplies	282	-	176	3,000	306	2,000
7225 Safety supplies	13,941	6,272	43	7,000	343	5,000
7280 Chemicals - activated carbon	-	-	-	-	-	-
7299 Other materials & supplies	17,978	36,123	16,481	22,700	17,868	17,700
7315 Food, meals, ice, water	2,214	1,667	3,481	4,000	979	3,500
7320 Official functions	-	-	265	-	4,709	-
7322 Recognition Program	27,815	31,993	29,238	44,650	29,697	30,000
7325 Rental of equip/storage/land	1,911	3,409	520	5,000	3,592	6,100
7415 Fuels & lubricants	2,190	2,679	3,775	7,200	4,011	4,000
7635 Software maintenance service fees	25,082	14,532	31,602	47,500	26,282	43,500
7645 Maintenance services	27,585	25,056	44,869	37,300	20,304	38,700
7650 Security services	383,028	507,264	553,851	1,000,000	626,157	-
7699 Other services	149,411	114,315	316,042	549,100	137,726	331,000
7801 Communication equipment	2,920	-	-	-	-	-
7805 Computer equipment	1,493	-	-	4,600	-	4,600
7806 Software licenses-new	1,021	4,654	2,001	8,000	-	45,000
7820 Office furniture & equipment	1,180	814	5,544	2,750	310	-
7899 Other minor tools & equipment	1,095	51,267	13,813	20,600	5,232	15,000
<i>O&M NON-PERSONNEL TOTAL</i>	685,876	866,456	1,045,513	1,854,840	903,123	604,648
	1,094,945	1,387,181	1,567,201	2,355,502	1,351,340	963,147



Department Responsibility: Fernando Saenz, P.E.

Title: Assistand GM & COO

Telephone Ext: 6266

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 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 20,116	\$ -	\$ -	\$ -	\$ -	\$ -
6201 T.M.R.S.	2,702	-	-	-	-	-
6205 F.I.C.A.	53	-	-	-	-	-
6210 Medicare	295	-	-	-	-	-
6214 Dental Insurance	42	-	-	-	-	-
6215 Hospitalization insurance	1,413	-	-	-	-	-
6220 Life Insurance	30	-	-	-	-	-
6221 Long Term Disability Insurance	62	-	-	-	-	-
6225 Workers Compensation	512	-	-	-	-	-
6230 Vacation leave	808	-	-	-	-	-
6242 Auto Benefits	288	-	-	-	-	-
6243 Telephone Benefits	65	-	-	-	-	-
<i>O&M PERSONNEL TOTAL</i>	<u>26,385</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<i>O&M NON-PERSONNEL</i>						
7120 Office supplies	93	-	-	-	-	-
7140 Training expenses	303	-	-	-	-	-
7145 Travel expenses	683	-	-	-	-	-
7299 Other materials & supplies	29	-	-	-	-	-
<i>O&M NON-PERSONNEL TOTAL</i>	<u>1,108</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
	27,493	-	-	-	-	-

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Department Responsibility: Arnulfo Mejia, P.E.

Title: Substations & Relaying Manager

Telephone Ext: 6327

Dept. No: 2120

PERFORMANCE MEASURES FOR THE SUBSTATIONS AND RELAYING DEPARTMENT

Department Function:

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

Department Goals/Objectives:

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

INPUT MEASURES

Employees (FTEs)
Total O&M Expenses
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

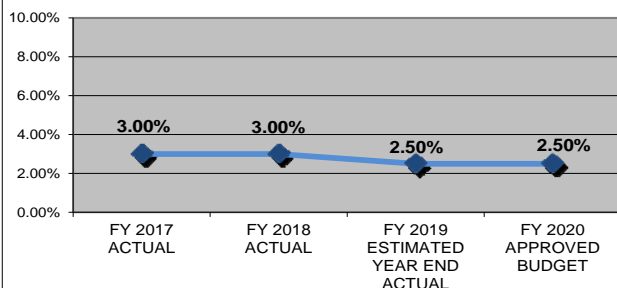
Comply With ERCOT, NERC
Monthly Substation Inspections
Battery Banks Inspection & Maintenance
Relay Testing and Documentation (comply with PRC-005-6)
Collect Fault Data and Evaluate System Grid Integrity

EFFICIENCY MEASURES

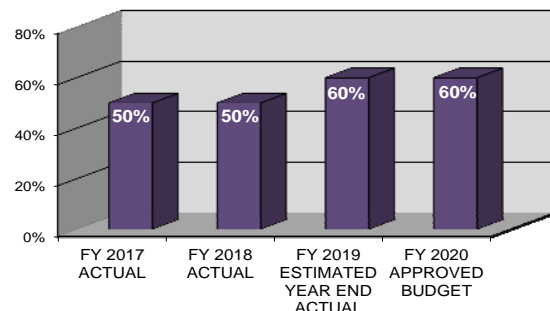
Outages in Substations
Optimization of Existing Transmission Lines
NERC Audits Violations
Maintenance Reports
New Connections

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
24	24	23	23
\$ 2,016,455	\$ 1,905,214	\$ 1,958,950	\$ 1,953,165
14	14	14	14
672	672	672	672
8	6	10	10
10	8	12	10
30	16	24	30
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
3.00%	3.00%	2.50%	2.50%
50%	50%	60%	60%
0%	0%	0%	0%
100%	100%	100%	100%
1,115	958	1,054	1,159

Outages in Substations



Optimization of Existing Transmission Lines



DEPARTMENT 2120 – SUBSTATIONS AND RELAYING

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 106,155	\$ 110,085	\$ 111,821	\$ 111,821	\$ 112,251	\$ 111,821
6110 Clerical staff	13,328	33,932	34,401	33,862	33,272	33,862
6115 Operational staff	645,507	916,269	880,349	904,457	856,584	882,658
6130 Overtime	40,585	33,287	58,942	50,704	66,493	57,662
6140 Severance Pay	17,313	-	4,556	-	-	-
6201 T.M.R.S.	140,529	193,125	192,884	187,624	228,583	179,651
6205 F.I.C.A.	49,804	65,070	64,083	65,109	63,664	63,757
6206 Suta	-	1,437	-	-	-	-
6210 Medicare	11,648	15,218	14,987	15,227	14,889	14,911
6214 Dental Insurance	4,335	5,404	5,099	5,915	9,282	12,368
6215 Hospitalization insurance	129,148	164,390	158,528	178,222	158,240	187,628
6220 Life Insurance	1,018	1,350	1,117	1,233	909	1,203
6221 Long Term Disability Insurance	1,953	2,651	872	2,100	1,462	2,057
6225 Workers Compensation	20,425	27,292	27,075	26,253	26,834	25,709
6230 Vacation leave	28,462	22,083	(1,136)	13,408	5,608	13,130
6235 Sick leave	86,492	29,059	5,502	14,749	1,261	14,443
6250 Miscellaneous personnel benefits	-	-	-	-	495	-
6260 Vacancy Savings	-	-	-	(76,591)	-	(75,781)
<i>O&M PERSONNEL TOTAL</i>	1,296,702	1,620,651	1,559,080	1,534,095	1,579,828	1,525,080
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	250	-	250
7110 Dues & memberships	271	337	487	500	354	500
7120 Office supplies	2,878	783	695	3,000	2,656	3,500
7130 Postage/shipping charges	878	995	1,051	1,200	331	750
7140 Training expenses	11,258	1,070	99	2,388	3,520	6,783
7145 Travel expenses	3,784	8,965	2,688	9,000	2,360	7,552
7180 Utilities - departmental	135,429	138,522	123,237	100,000	117,803	100,000
7190 Utilities - CP&L & Mvec	863	-	-	500	-	250
7203 Sand, Caliche, Gravel, Concrete etc	7,141	-	-	3,000	-	500
7215 Laundry & janitorial supplies	150	225	-	600	159	500
7225 Safety supplies	1,369	3,823	1,137	4,000	6,153	7,500
7293 Chemicals - other	3,202	3,880	4,375	3,800	1,276	3,000
7299 Other materials & supplies	8,399	10,638	25,115	95,000	46,490	35,000
7315 Food, meals, ice, water	230	233	275	500	312	500
7325 Rental of equip/storage/land	14,449	23,630	5,253	45,000	9,634	26,000
7335 Wearing apparel & dry goods	19,501	29,661	45,196	22,000	29,979	22,000
7415 Fuels & lubricants	13,307	14,963	17,035	15,000	20,590	17,000
7501 Maint. of buildings & structures	2,202	3,955	9,240	75,000	5,564	20,000
7505 Maint. of communication equipment	5,492	1,682	-	3,000	106	3,000
7540 Maint. of line transformers	8,707	35,814	54,186	110,000	48,465	65,000
7555 Maint. of station equipment	42,334	42,235	20,195	50,000	24,624	35,000
7570 Maint. of underground lines	-	-	6,095	-	23,558	-
7599 Maintenance / other	-	-	-	-	1,051	-
7645 Maintenance services	31,374	32,484	7,250	50,000	-	25,000
7699 Other services	12,490	12,162	2,912	20,000	6,379	15,000
7805 Computer equipment	4,234	187	513	5,000	-	5,000
7806 Software licenses-new	-	-	6,250	7,000	2,000	7,000
7820 Office furniture & equipment	59	238	240	1,500	378	1,500
7835 Tools, shop and garage equipment	3,442	3,447	6,988	20,000	15,473	10,000
7899 Other minor tools & equipment	21,580	25,877	5,619	10,000	9,909	10,000
<i>O&M NON-PERSONNEL TOTAL</i>	355,022	395,804	346,134	657,238	379,122	428,085
	1,651,724	2,016,455	1,905,214	2,191,333	1,958,950	1,953,165



Department Responsibility: Manuel G Arredondo

Title: Electric Operations Manager

Telephone Ext: 6323

Dept. No: 2130

PERFORMANCE MEASURES FOR THE

ELECTRIC TRANSMISSION AND DISTRIBUTION CONSTRUCTION AND MAINTENANCE DEPARTMENT

Department Function:

Responsible for the operation, construction and maintenance 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 to our customers.

INPUT MEASURES

Staff

O&M Expenses

OUTPUT MEASURES

Street/Security Lights Repairs

Miles of Line Washed

Set/Replace Transformers

Set/Replace Poles

Locate/Repair Underground Residential

Distribution Faults

Work orders Completed

General Service Request Closed

EFFICIENCY MEASURES

Install Street / Security Lights

New Connections

Average Power Restoration Time per

Outage (hrs.)

Average time of Street Light Repair (Cal.

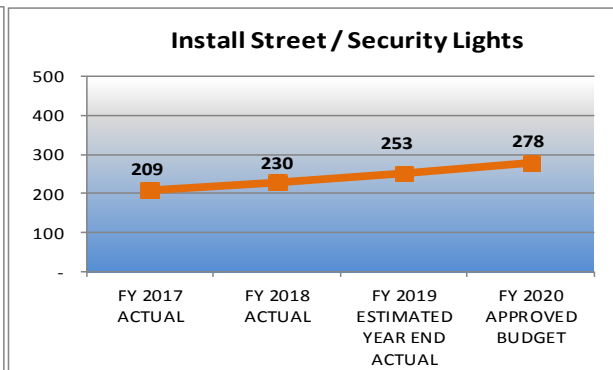
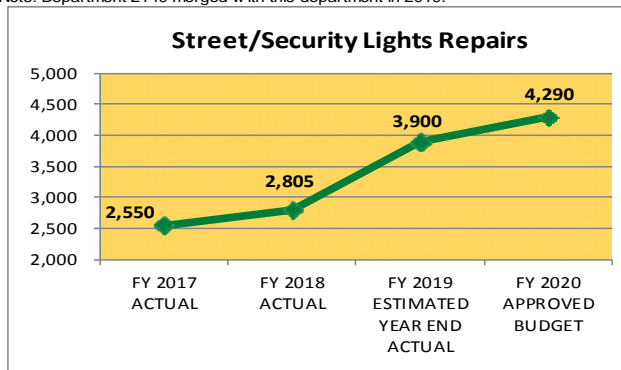
Days)

Average time of Security Light Repair (Cal.

Days)

	FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
Staff	28	28	50	50
O&M Expenses	\$ 1,307,246	\$ 1,502,979	\$ 3,442,725	\$ 3,376,511
Street/Security Lights Repairs	2,550	2,805	3,900	4,290
Miles of Line Washed	5	60	60	
Set/Replace Transformers	118	130	471	518
Set/Replace Poles	100	110	438	482
Locate/Repair Underground Residential Distribution Faults	110	121	275	303
Work orders Completed	286	315	392	431
General Service Request Closed	4,950	5,445	11,000	12,100
Install Street / Security Lights	209	230	253	278
New Connections	1,115	1,227	1,349	1,484
Average Power Restoration Time per Outage (hrs.)	2	2	2	2
Average time of Street Light Repair (Cal. Days)	3	4	4	4
Average time of Security Light Repair (Cal. Days)	3	4	4	4

Note: Department 2140 merged with this department in 2019.



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

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 88,879	\$ 92,498	\$ 92,706	\$ 92,706	\$ 93,062	\$ 92,706
6105 Administrative Staff	5,029	2,219	-	-	-	-
6110 Clerical staff	16,239	18,194	19,948	16,931	17,585	16,931
6115 Operational staff	421,186	481,170	485,194	1,292,853	1,256,487	1,271,431
6130 Overtime	43,579	39,101	42,859	102,327	85,480	63,802
6201 T.M.R.S.	98,219	113,945	107,429	250,625	409,814	241,273
6205 F.I.C.A.	34,766	38,000	34,311	86,954	84,531	85,626
6210 Medicare	8,131	8,887	8,024	20,336	19,771	20,025
6214 Dental Insurance	3,175	3,247	3,187	9,124	15,406	20,737
6215 Hospitalization insurance	101,821	106,840	108,942	290,895	280,548	333,029
6220 Life Insurance	710	768	583	1,685	1,250	1,662
6221 Long Term Disability Insurance	1,357	1,503	455	2,805	1,927	2,762
6225 Workers Compensation	15,265	16,428	15,308	35,062	36,829	34,527
6230 Vacation leave	(794)	10,239	7,640	17,907	534	17,633
6235 Sick leave	(7,369)	22,473	8,383	19,698	(988)	19,397
6250 Miscellaneous personnel benefits	-	-	-	-	35	-
6260 Vacancy Savings	-	-	-	(104,999)	-	(106,035)
<i>O&M PERSONNEL TOTAL</i>	830,191	955,512	934,971	2,134,911	2,302,270	2,115,506
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	171	43	294	1,300	15	1,300
7110 Dues & memberships	1,202	772	735	3,000	770	3,000
7120 Office supplies	2,434	2,236	4,218	10,000	2,552	5,000
7130 Postage/shipping charges	710	374	71	5,000	1,041	2,000
7140 Training expenses	7,150	2,925	-	3,000	-	1,365
7145 Travel expenses	6,084	3,943	-	4,000	134	2,240
7180 Utilities - departmental	2,183	2,668	2,200	13,000	1,342	13,000
7199 Miscellaneous office expenses	-	-	-	-	-	-
7201 Barricades & signs	94	-	-	14,300	-	4,300
7203 Sand, Caliche, Gravel, Concrete etc	830	1,868	-	16,000	2,201	10,000
7205 Lamps, globes & flares	3,834	3,738	13,296	30,000	8,510	15,000
7210 Landscaping/Trade a Tree Program	77	288	128	2,000	118	2,000
7215 Laundry & janitorial supplies	21	-	-	-	-	-
7225 Safety supplies	17,526	14,253	19,756	41,300	29,494	45,000
7299 Other materials & supplies	112,250	105,959	51,754	103,150	100,501	100,000
7310 Federal, state, & local fees	768	-	-	-	-	-
7315 Food, meals, ice, water	1,334	1,339	1,046	5,000	1,636	5,000
7325 Rental of equip/storage/land	5,544	4,957	4,586	53,800	3,749	25,000
7335 Wearing apparel & dry goods	41,146	45,035	69,467	35,000	72,002	40,000
7415 Fuels & lubricants	44,983	56,662	78,230	50,000	110,283	100,000
7501 Maint. of buildings & structures	833	-	620	10,000	-	10,000
7510 Maint. of furniture & fixtures	-	-	-	-	-	-
7520 Maint. of minor equipment	8,641	-	-	13,000	-	13,000
7540 Maint. of line transformers	5,532	12,778	3,025	51,000	37,095	97,800
7550 Maint. of overhead lines	39,532	16,081	97,423	91,000	154,722	162,500
7555 Maint. of station equipment	26,723	-	-	30,000	-	-
7565 Maint. of street lighting & signals	2,685	7,012	18,508	75,000	390,616	300,000
7570 Maint. of underground lines	3,661	20,817	51,802	160,000	41,861	60,500
7577 Maint. of distribution mains	-	-	-	-	-	-
7599 Maintenance / other	-	1,623	3,289	70,000	9,858	10,000
7645 Maintenance services	926	1,350	-	20,000	-	20,000
7699 Other services	7,539	7,187	10,365	90,000	3,796	12,000
7801 Communication equipment	886	729	10,801	1,500	469	1,800
7805 Computer equipment	593	104	1,186	4,000	202	5,000
7820 Office furniture & equipment	2,695	-	431	15,000	-	3,000
7835 Tools, shop and garage equipment	6,802	6,838	12,119	75,000	32,035	50,000
7899 Other minor tools & equipment	28,029	30,154	112,657	77,200	135,453	141,200
<i>O&M NON-PERSONNEL TOTAL</i>	383,419	351,734	568,008	1,172,550	1,140,455	1,261,005
	1,213,610	1,307,246	1,502,979	3,307,461	3,442,725	3,376,511



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:

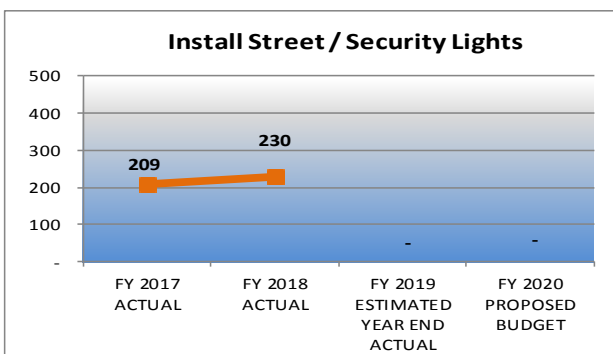
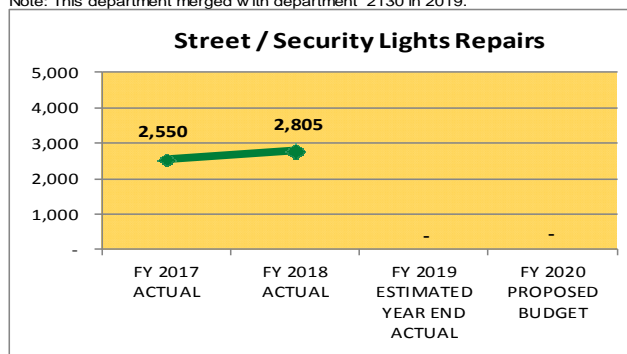
The Electric Transmission & Distribution (T&D) Maintenance Department is responsible for the operation, construction, and maintenance of the electrical system in order to provide safe, timely, and reliable service. The department is also responsible for the transmission and distribution of electric power 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 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
INPUT MEASURES				
Staff	22	22	-	-
Total O&M Expenses	\$ 1,752,987	\$ 1,377,060	\$ -	\$ -
OUTPUT MEASURES				
Street / Security Lights Repairs	2,550	2,805	-	-
Electrical Inspections	2,200	2,420	-	-
Set / Replace Transformers	118	130	-	-
Set / Replace Poles	100	110	-	-
Locate / Repair URD Faults	110	121	-	-
Work orders Completed	286	315	-	-
General Service Request Closed	4,950	5,445	-	-
EFFICIENCY MEASURES				
Install Street / Security Lights	209	230	-	-
New Connections	1,115	1,227	-	-
Average Power Restoration Time per Outage (hrs.)	1.7	2	-	-
Average time of Street Light Repair (Cal. Days)	3	4	-	-
Average time of Security Light Repair (Cal. Days)	3	4	-	-

Note: This department merged with department 2130 in 2019.



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

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 7,290	\$ -	\$ -	\$ -	\$ -	\$ -
6110 Clerical staff	16,298	-	-	-	-	-
6115 Operational staff	1,055,459	731,860	587,005	-	-	-
6130 Overtime	12,355	29,455	33,597	-	-	-
6140 Severance Pay	-	-	5,200	-	-	-
6201 T.M.R.S.	179,521	133,659	106,470	-	-	-
6205 F.I.C.A.	64,764	44,937	34,565	-	-	-
6210 Medicare	15,146	10,509	8,084	-	-	-
6214 Dental Insurance	6,057	4,012	3,181	-	-	-
6215 Hospitalization insurance	179,237	119,325	98,896	-	-	-
6220 Life Insurance	1,384	937	591	-	-	-
6221 Long Term Disability Insurance	2,607	1,798	449	-	-	-
6225 Workers Compensation	27,539	19,004	14,987	-	-	-
6230 Vacation leave	(23,334)	9,539	1,404	-	-	-
6235 Sick leave	(71,487)	3,406	4,060	-	-	-
<i>O&M PERSONNEL TOTAL</i>	<i>1,472,836</i>	<i>1,108,441</i>	<i>898,489</i>	<i>-</i>	<i>-</i>	<i>-</i>
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	-	-	-
7110 Dues & memberships	183	610	139	-	-	-
7120 Office supplies	2,570	1,699	1,021	-	-	-
7130 Postage/shipping charges	122	115	130	-	-	-
7135 Telephone expenses	-	70	-	-	-	-
7140 Training expenses	250	-	-	-	-	-
7145 Travel expenses	727	2,970	-	-	-	-
7203 Sand, Caliche, Gravel, Concrete etc	1,749	1,922	-	-	-	-
7205 Lamps, globes & flares	757	-	-	-	-	-
7210 Landscaping/Trade a Tree Program	-	30	-	-	-	-
7225 Safety supplies	6,517	9,547	5,926	-	-	-
7299 Other materials & supplies	69,410	58,295	52,382	-	-	-
7310 Federal, state, & local fees	1,408	-	-	-	-	-
7315 Food, meals, ice, water	595	291	314	-	-	-
7325 Rental of equip/storage/land	13,659	32,056	1,975	-	-	-
7335 Wearing apparel & dry goods	30,631	27,978	42,541	-	-	-
7415 Fuels & lubricants	40,385	40,688	46,656	-	-	-
7501 Maint. of buildings & structures	644	5,245	-	-	-	-
7505 Maint. of communication equipment	270	303	-	-	-	-
7535 Maint. of electric plant	-	-	167	-	-	-
7540 Maint. of line transformers	72,086	91,897	58,206	-	-	-
7545 Maint. of misc. steam plant	-	-	-	-	-	-
7550 Maint. of overhead lines	49,779	25,791	26,574	-	-	-
7565 Maint. of street lighting & signals	161,366	153,195	156,944	-	-	-
7570 Maint. of underground lines	65,821	69,150	29,265	-	-	-
7599 Maintenance / other	24,027	12,823	1,263	-	-	-
7630 Construction contractor services	275	-	-	-	-	-
7699 Other services	7,006	6,274	3,953	-	-	-
7801 Communication equipment	-	29,607	460	-	-	-
7805 Computer equipment	815	587	-	-	-	-
7820 Office furniture & equipment	40	2,822	-	-	-	-
7835 Tools, shop and garage equipment	60,172	59,723	37,584	-	-	-
7899 Other minor tools & equipment	13,482	10,860	13,070	-	-	-
<i>O&M NON-PERSONNEL TOTAL</i>	<i>624,746</i>	<i>644,546</i>	<i>478,571</i>	<i>-</i>	<i>-</i>	<i>-</i>
	2,097,582	1,752,987	1,377,060	-	-	-



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.

INPUT MEASURES

Employees

Total O&M Expenses

OUTPUT MEASURES

Operational Reports (daily)

Electrical Service Requests Dispatched

Water Service Requests Dispatched

Wastewater Service Requests Dispatched

SCADA Service Requests Dispatched

OUTCOME MEASURES

Fatalities or Injuries as a Result of Switching

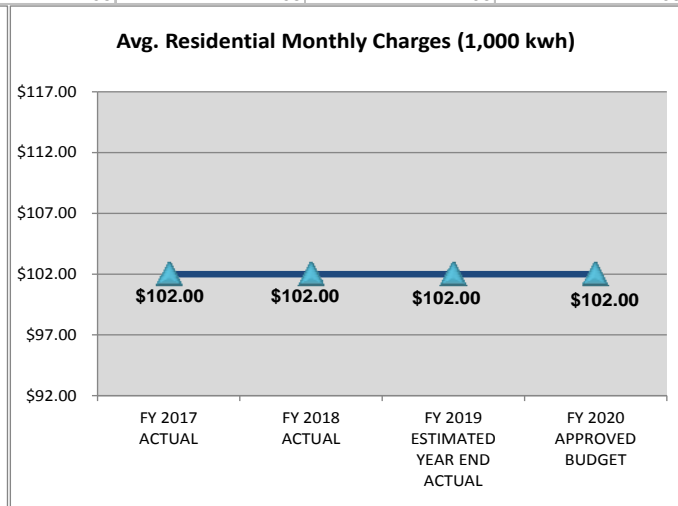
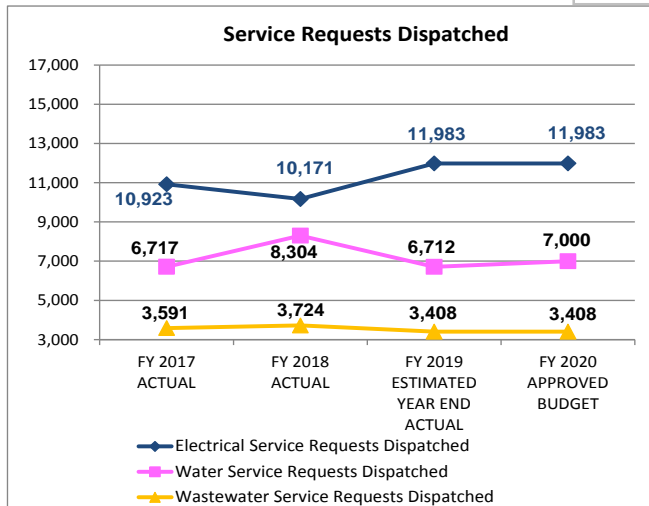
All Certified Operators Maintain NERC Certification

EFFICIENCY MEASURES

Avg. Residential Monthly Charges (1,000 kwh)

Load Forecast Within 10% of Actual for 90% of the Year

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
15	15	15	15
\$ 1,562,728	\$ 1,587,458	\$ 1,500,416	\$ 1,501,217
16	16	16	16
10,923	10,171	11,983	11,983
6,717	8,304	6,712	7,000
3,591	3,724	3,408	3,408
116	147	98	98
None	None	None	None
Yes	Yes	Yes	Yes
\$ 102.00	\$ 102.00	\$ 102.00	\$ 102.00
Yes	Yes	Yes	Yes



DEPARTMENT 2150 - ENERGY CONTROL CENTER OPERATIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 102,321	\$ 104,722	\$ 104,957	\$ 104,957	\$ 105,360	\$ 104,957
6110 Clerical staff	59,804	64,151	65,952	64,314	66,201	64,314
6115 Operational staff	718,533	772,982	827,663	800,342	771,547	757,973
6130 Overtime	42,391	85,075	65,746	70,432	66,562	74,701
6201 T.M.R.S.	155,365	181,367	190,356	173,270	181,279	161,989
6205 F.I.C.A.	55,913	60,869	63,139	60,116	60,457	57,489
6210 Medicare	13,077	14,236	14,766	14,059	14,139	13,445
6214 Dental Insurance	3,721	4,067	4,081	4,185	8,142	10,716
6215 Hospitalization insurance	115,865	136,956	138,682	142,271	141,612	164,326
6220 Life Insurance	1,154	1,209	1,057	1,099	849	1,057
6221 Long Term Disability Insurance	2,276	2,415	794	1,939	1,358	1,855
6225 Workers Compensation	23,445	25,627	26,649	24,240	25,629	23,181
6230 Vacation leave	(4,973)	11,261	(1,573)	12,380	3,279	11,839
6235 Sick leave	6,533	22,254	12,608	13,618	(11,276)	13,023
6240 Educational assistance	-	-	1,646	-	-	-
6260 Vacancy Savings	-	-	-	(69,540)	-	(68,065)
<i>O&M PERSONNEL TOTAL</i>	1,295,424	1,487,189	1,516,523	1,417,683	1,435,139	1,392,798
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	110	-	500	-	500
7110 Dues & memberships	1,940	3,415	780	3,600	1,897	4,200
7120 Office supplies	1,850	1,456	1,877	2,000	2,075	2,000
7130 Postage/shipping charges	-	-	-	200	64	200
7140 Training expenses	25,431	23,440	20,369	12,156	24,340	27,930
7145 Travel expenses	21,530	24,904	24,655	27,275	15,487	40,544
7180 Utilities - departmental	11,323	12,140	11,109	13,000	10,672	13,000
7299 Other materials & supplies	578	375	440	600	537	600
7315 Food, meals, ice, water	972	645	868	1,500	502	1,500
7325 Rental of equip/storage/land	4,839	5,358	5,212	6,200	4,867	6,200
7415 Fuels & lubricants	-	-	-	500	-	500
7501 Maint. of buildings & structures	533	162	1,507	2,000	142	2,000
7505 Maint. of communication equipment	472	48	479	850	388	850
7645 Maintenance services	-	-	630	1,250	130	1,250
7699 Other services	5,635	-	-	1,500	1,275	1,500
7805 Computer equipment	646	424	45	550	370	500
7806 Software licenses-new	32	-	480	800	-	800
7820 Office furniture & equipment	3,208	2,087	2,457	2,345	2,258	2,345
7899 Other minor tools & equipment	939	975	30	2,000	274	2,000
<i>O&M NON-PERSONNEL TOTAL</i>	79,928	75,539	70,935	78,826	65,277	108,419
	1,375,352	1,562,728	1,587,458	1,496,509	1,500,416	1,501,217



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 the utility including the Energy Control Center, Backup Control Center, Water Plants, Wastewater Plants, Lift Stations, water distribution pressure points, water elevated storage tanks, SRWA water wells, and river pumps. The Department is also involved in meeting the compliance requirements for the Texas Commission on Environmental Quality, Environmental Protection Agency, and North American Electric Reliability Corporation.

Department Goals/Objectives:

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

INPUT MEASURES

Employees
O&M Personnel Expenses
O&M Non-Personnel Expenses
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 Lift Stations
Back-Up Generator Maintenance
Invoices/Transactions Processed & Contracts Maintained

OUTCOME MEASURES

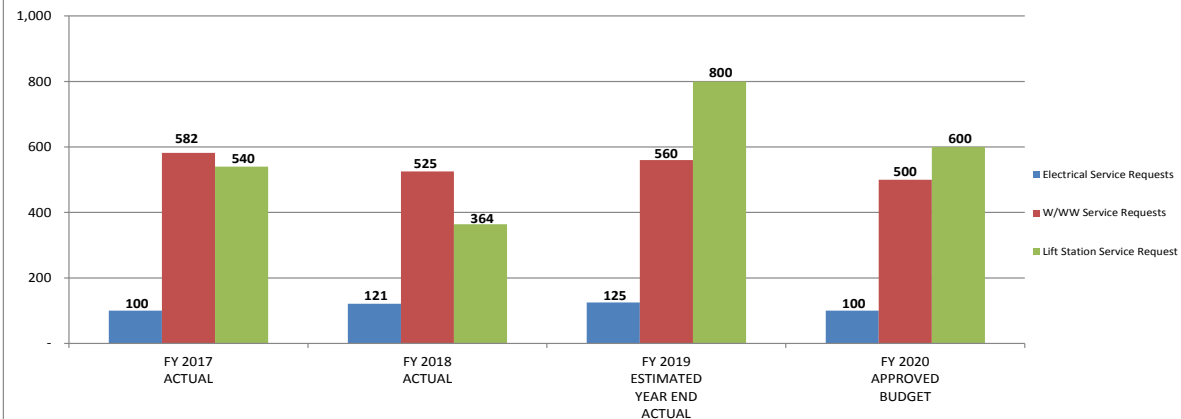
Number of Service Requests For Electric SCADA System Completed
Number of Service Requests For W/WW SCADA System Completed
Number of Service Requests For Lift Stations Completed

EFFICIENCY MEASURES

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

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
19	22	23	23
\$ 1,349,153	\$ 1,608,098	\$ 1,656,771	\$ 1,745,177
\$ 882,849	\$ 1,177,547	\$ 1,080,276	\$ 1,170,731
45	45	45	45
100	100	100	100
78	78	100	100
185	185	185	185
100	121	125	100
582	525	560	500
540	364	800	600
32	8	11	11
300	300	350	300
93	112	120	95
536	503	505	450
518	362	720	540
93%	93%	96%	95%
92%	96%	90%	90%
96%	99%	90%	90%

**SCADA & ELECTRICAL SUPPORT SERVICES DEPARTMENT
Service Requests**



DEPARTMENT 2210 – SCADA & ELECTRICAL SUPPORT SERVICES

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 145,741	\$ 159,753	\$ 266,078	\$ 283,816	\$ 264,122	\$ 283,816
6105 Administrative Staff	85,193	161,759	192,762	253,448	204,473	274,934
6110 Clerical staff	31,575	33,320	33,449	32,469	33,751	32,469
6115 Operational staff	522,080	534,216	567,039	595,213	546,267	595,566
6130 Overtime	12,697	21,436	23,491	24,297	44,849	31,600
6201 T.M.R.S.	132,693	164,052	194,201	208,051	212,161	207,332
6205 F.I.C.A.	47,144	54,758	64,000	72,227	64,965	73,581
6206 Suta	-	(714)	-	-	-	-
6210 Medicare	11,026	12,806	14,968	16,892	15,193	17,208
6214 Dental Insurance	4,082	4,518	5,546	6,417	10,161	14,414
6215 Hospitalization insurance	133,824	149,292	184,700	208,815	191,061	237,524
6220 Life Insurance	1,056	1,156	1,191	1,364	990	1,382
6221 Long Term Disability Insurance	2,037	2,275	889	2,330	1,562	2,374
6225 Workers Compensation	19,995	23,179	27,170	29,124	27,938	29,670
6230 Vacation leave	(980)	4,593	12,871	14,874	17,794	15,153
6235 Sick leave	10,997	22,753	19,743	16,362	21,047	16,668
6250 Miscellaneous personnel benefits	-	-	-	-	438	-
6260 Vacancy Savings	-	-	-	(85,508)	-	(88,513)
<i>O&M PERSONNEL TOTAL</i>	1,159,160	1,349,153	1,608,098	1,680,189	1,656,771	1,745,177
<i>O&M NON-PERSONNEL</i>						
7110 Dues & memberships	1,297	1,371	725	1,500	1,399	1,100
7120 Office supplies	3,149	2,440	3,732	4,500	4,546	3,500
7130 Postage/shipping charges	954	881	1,243	500	574	500
7140 Training expenses	4,104	10,345	16,102	11,150	4,919	10,687
7145 Travel expenses	9,617	11,624	19,701	17,870	7,095	14,144
7180 Utilities - departmental	1,838	2,072	2,285	2,500	2,270	2,500
7225 Safety supplies	2,131	2,495	7,602	5,000	13,113	10,000
7299 Other materials & supplies	251,780	249,103	362,718	257,000	274,743	300,000
7304 Hurricane Preparedness Expenses	198,082	195,168	216,850	200,000	260,754	220,000
7305 ERCOT expenses	144,943	121,476	126,555	150,000	88,215	130,000
7310 Federal, state, & local fees	70	332	340	500	374	500
7315 Food, meals, ice, water	952	1,602	1,298	2,000	2,807	2,000
7325 Rental of equip/storage/land	406	262	274	800	230	800
7335 Wearing apparel & dry goods	11,225	12,407	19,008	10,000	17,975	20,000
7415 Fuels & lubricants	14,706	18,794	21,884	22,000	26,806	26,000
7501 Maint. of buildings & structures	16,969	15,161	7,010	10,000	5,598	10,000
7505 Maint. of communication equipment	2,436	26,282	103	5,000	609	5,000
7605 Engineering fees	-	-	-	-	-	50,000
7635 Software maintenance service fees	39,669	49,635	42,508	50,000	98,298	73,000
7645 Maintenance services	126,926	118,673	256,671	285,000	185,658	215,000
7801 Communication equipment	11,711	8,062	18,188	20,000	16,944	15,000
7805 Computer equipment	14,002	20,735	14,632	20,700	15,733	18,000
7806 Software licenses-new	4,401	2,869	20,130	25,000	18,646	20,000
7820 Office furniture & equipment	1,876	2,607	5,880	7,000	6,532	3,000
7899 Other minor tools & equipment	8,962	8,453	12,108	11,000	26,437	20,000
<i>O&M NON-PERSONNEL TOTAL</i>	872,207	882,849	1,177,547	1,119,020	1,080,276	1,170,731
	2,031,367	2,232,002	2,785,645	2,799,209	2,737,047	2,915,908



Department Responsibility: **Rolando Lozano, P.E.**

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 costs 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.

INPUT MEASURES

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

OUTPUT MEASURES

Generation Produced (GWH)
Availability (%)

OUTCOME MEASURES - Silas Ray

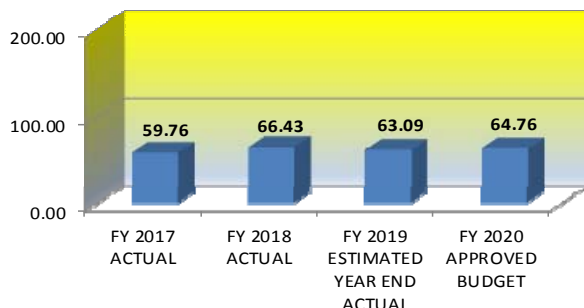
Revenue, Gross (\$Base: Gen @ \$0.10/kwh)
Other Revenue (\$ for Contract Services)

EFFICIENCY MEASURES

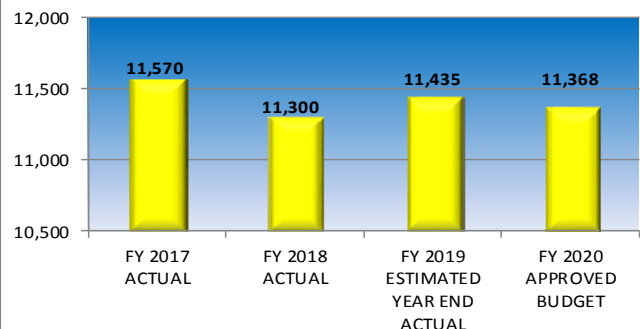
Plant Heat Rate (BTU/ KWH @ 1040 HHV)
Reliability (%)

	FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
Employees (FTE's)	27	27	27	27
Overtime (Hours)	3,390	3,347	3,062	3,215
O&M Personnel Expenses	\$ 2,222,859	\$ 2,210,745	\$ 2,255,925	\$ 2,191,299
O&M Non-Personnel Expenses	\$ 10,406,888	\$ 10,838,449	\$ 9,375,804	\$ 10,475,636
Generation Produced (GWH)	59.76	66.43	63.09	64.76
Availability (%)	88%	75%	81%	78%
Revenue, Gross (\$Base: Gen @ \$0.10/kwh)	\$ 8,798,851	\$ 8,235,246	\$ 9,257,426	\$ 9,812,872
Other Revenue (\$ for Contract Services)	\$ 553,616	\$ -	\$ -	\$ -
Plant Heat Rate (BTU/ KWH @ 1040 HHV)	11,570	11,300	11,435	11,368
Reliability (%)	98.51%	98.12%	98.32%	98.22%

Generation Produced (GWH)



Plant Heat Rate (BTU/ KWH @ 1040 HHV)



DEPARTMENT 2220 - POWER PRODUCTION

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 182,186	\$ 244,332	\$ 251,867	\$ 251,867	\$ 251,722	\$ 251,867
6105 Administrative Staff	188,949	137,967	116,019	136,531	119,291	137,530
6110 Clerical staff	10,550	25,041	25,891	25,792	26,062	25,792
6115 Operational staff	1,001,275	991,604	1,015,186	1,018,784	1,032,660	1,011,629
6130 Overtime	74,585	123,587	124,362	106,297	111,840	123,955
6201 T.M.R.S.	242,318	268,892	275,509	255,930	274,727	249,265
6205 F.I.C.A.	86,289	89,483	90,730	88,844	90,787	88,463
6206 Suta	5,472	2,206	-	-	-	-
6210 Medicare	20,180	20,928	21,219	20,778	21,232	20,689
6214 Dental Insurance	6,962	7,061	6,999	7,533	14,402	18,878
6215 Hospitalization insurance	230,180	242,503	241,125	253,839	253,148	291,585
6220 Life Insurance	1,851	1,857	1,555	1,666	1,341	1,660
6221 Long Term Disability Insurance	3,428	3,614	1,170	2,866	2,094	2,854
6225 Workers Compensation	36,542	38,206	38,511	35,824	39,110	35,670
6230 Vacation leave	2,405	11,515	(1,442)	18,296	10,033	18,217
6235 Sick leave	10,954	14,063	2,044	20,126	7,475	20,040
6260 Vacancy Savings	-	-	-	(105,013)	-	(106,794)
<i>O&M PERSONNEL TOTAL</i>	<i>2,104,125</i>	<i>2,222,859</i>	<i>2,210,745</i>	<i>2,139,962</i>	<i>2,255,925</i>	<i>2,191,299</i>
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	1,252	464	57	2,600	233	2,800
7110 Dues & memberships	602	235	770	1,675	305	2,000
7120 Office supplies	2,211	2,467	2,375	2,800	1,888	3,000
7130 Postage/shipping charges	6,326	7,288	6,378	17,000	18,159	20,000
7140 Training expenses	6,305	16,207	12,290	15,000	15,965	24,549
7145 Travel expenses	17,215	20,501	20,167	20,000	26,953	18,848
7147 Mileage Reimbursement (InTownExp)	-	-	-	300	-	200
7180 Utilities - departmental	208,473	226,392	156,811	220,000	171,131	240,000
7215 Laundry & janitorial supplies	1,689	3,631	2,582	3,000	1,424	4,500
7225 Safety supplies	2,421	4,377	1,574	2,500	7,381	3,500
7293 Chemicals - other	115,578	67,163	67,495	95,000	54,103	75,500
7299 Other materials & supplies	9,964	10,078	19,936	17,400	9,398	20,500
7310 Federal, state, & local fees	-	-	-	500	256	800
7315 Food, meals, ice, water	906	1,010	928	1,000	842	1,300
7325 Rental of equip/storage/land	5,312	5,580	3,945	10,000	3,958	10,000
7335 Wearing apparel & dry goods	28,817	33,258	50,955	30,000	28,952	24,000
7415 Fuels & lubricants	2,286	4,718	6,012	3,400	8,353	3,600
7501 Maint. of buildings & structures	25,274	14,693	23,163	38,400	39,928	119,800
7505 Maint. of communication equipment	980	1,592	-	3,500	4,501	5,000
7515 Maint. of major equipment	299,558	318,388	2,003,006	541,000	1,168,486	500,000
7520 Maint. of minor equipment	40,990	68,311	39,805	28,210	6,818	30,610
7525 Maint. of boiler plant	305,113	166,938	231,840	167,500	58,587	250,000
7605 Engineering fees	10,200	20,504	45,640	25,000	117,060	30,000
7635 Software maintenance service fees	-	-	4,080	67,000	4,800	136,284
7645 Maintenance services	86,107	103,541	132,832	138,500	43,504	138,500
7699 Other services	11,668	27,107	9,984	15,700	4,730	16,100
7703 Fuel - Diesel oil - Silas Ray	1,269	-	-	-	-	-
7731 Pchp - Fixed expenses - Oklaunion	5,098,846	4,873,643	4,641,903	4,806,560	4,352,561	4,820,560
7732 Pchp - Hidalgo Fixed Operation Fee	3,148,987	4,392,322	3,346,971	3,933,785	3,213,956	3,950,785
7805 Computer equipment	-	-	644	800	-	3,600
7806 Software licenses-new	623	8,436	3,564	-	4,950	5,000
7820 Office furniture & equipment	3,987	336	31	1,200	1,121	8,800
7899 Other minor tools & equipment	4,543	7,707	2,712	4,200	5,504	5,500
<i>O&M NON-PERSONNEL TOTAL</i>	<i>9,447,504</i>	<i>10,406,888</i>	<i>10,838,449</i>	<i>10,213,530</i>	<i>9,375,804</i>	<i>10,475,636</i>
	11,551,629	12,629,747	13,049,194	12,353,492	11,631,729	12,666,935



Department Responsibility: Eliazar Perez, P.E.

Title: Engineering Manager

Telephone Ext: 6258

Dept. No: 2310

PERFORMANCE MEASURES FOR THE ELECTRIC METER SHOP DEPARTMENT

Department Function:

The Electric Meter Shop Department is responsible for the installation, maintenance, and repair of electric meters. The department investigates high and low voltage complaints by installing voltage and current measuring devices. They test, repair, and maintain electric meters and current potential transformers. The Electric Meter Shop 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.

INPUT MEASURES

Staff
ERCOT TDSP Meters
Total O&M Expenses

OUTPUT MEASURES

Install/ Maintain CT Rated Demand Meters
Meter Investigation
Set/Replace Radio Frequency Meters
Total Meter Tests
Total Service Orders Resolved

OUTCOME MEASURES

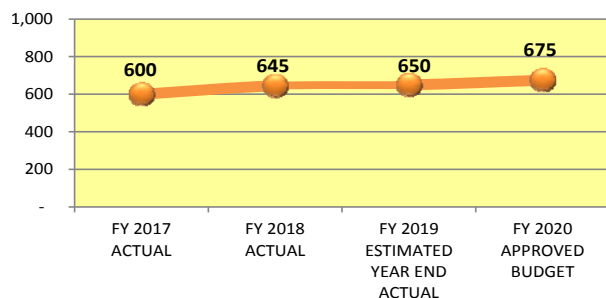
Comply With ERCOT

EFFICIENCY MEASURES

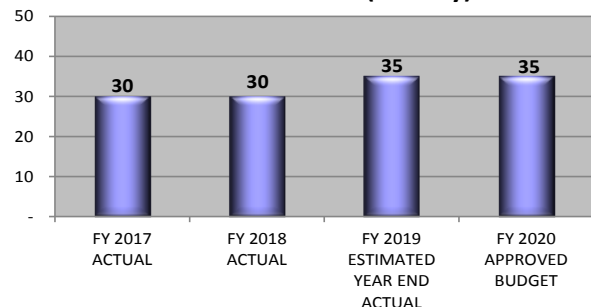
Meter Tests (Per day)
Service Orders Closed (Per day)

	FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
Staff	8	8	8	8
ERCOT TDSP Meters	8	6	8	8
Total O&M Expenses	\$ 640,743	\$ 839,893	\$ 781,223	\$ 745,445
Install/ Maintain CT Rated Demand Meters	330	350	350	325
Meter Investigation	1,710	1,867	2,100	2,300
Set/Replace Radio Frequency Meters	600	645	650	675
Total Meter Tests	6,930	7,277	8,500	9,300
Total Service Orders Resolved	5,540	7,560	8,500	9,500
Comply With ERCOT	Yes	Yes	Yes	Yes
Meter Tests (Per day)	30	30	35	35
Service Orders Closed (Per day)	24	32	50	75

Set/Replace Radio Frequency Meters



Meter Tests (Per day)



DEPARTMENT 2310 - ELECTRIC METER SHOP

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6105 Administrative Staff	\$ 47,466	\$ 52,782	\$ 57,162	\$ 60,154	\$ 39,528	\$ 59,114
6115 Operational staff	220,394	228,886	264,655	270,067	255,632	260,166
6130 Overtime	4,575	11,911	11,420	13,981	12,260	10,278
6201 T.M.R.S.	45,895	51,552	59,820	59,010	55,089	45,575
6205 F.I.C.A.	16,329	17,144	19,561	20,474	17,925	19,795
6206 Suta	-	-	268	-	-	-
6210 Medicare	3,819	4,010	4,575	4,788	4,192	4,630
6214 Dental Insurance	1,634	1,756	2,078	2,232	3,660	4,800
6215 Hospitalization insurance	52,771	57,165	69,332	75,625	70,577	80,682
6220 Life Insurance	357	377	382	399	299	385
6221 Long Term Disability Insurance	574	617	234	577	361	555
6225 Workers Compensation	6,943	7,286	8,486	8,256	7,823	7,982
6230 Vacation leave	1,309	3,542	411	4,216	(3,670)	4,077
6235 Sick leave	10,433	8,462	15,447	4,638	(7,106)	4,484
6250 Miscellaneous personnel benefits	-	-	7,467	500	-	500
6260 Vacancy Savings	-	-	-	(25,079)	-	(24,184)
<i>O&M PERSONNEL TOTAL</i>	412,499	445,489	521,297	499,839	456,569	478,838
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	337	1,101	-	500	-	500
7110 Dues & memberships	-	122	-	200	205	300
7120 Office supplies	884	858	1,358	1,300	941	1,300
7130 Postage/shipping charges	301	872	796	800	1,275	800
7135 Telephone expenses	238	-	-	500	35	500
7140 Training expenses	815	1,350	7,006	4,616	4,889	903
7145 Travel expenses	3,279	8,706	12,324	9,750	9,462	3,104
7225 Safety supplies	134	662	833	1,500	2,914	3,000
7299 Other materials & supplies	34,962	25,306	31,422	32,100	35,609	27,300
7315 Food, meals, ice, water	86	211	155	600	261	400
7320 Official functions	-	-	-	-	-	-
7325 Rental of equip/storage/land	2,729	1,525	3,153	3,000	3,286	2,000
7335 Wearing apparel & dry goods	6,576	7,089	10,779	8,500	9,207	10,000
7415 Fuels & lubricants	7,101	7,952	9,997	10,000	12,267	12,000
7501 Maint. of buildings & structures	-	1,200	4,024	2,000	-	2,000
7505 Maint. of communication equipment	-	-	7,196	10,000	46	5,000
7530 Maint. of electric meters	106,787	128,331	207,575	150,000	230,169	175,000
7599 Maintenance / other	350	1,955	762	2,000	-	2,000
7699 Other services	1,118	2,083	-	2,000	773	2,000
7801 Communication equipment	112	-	12,323	-	-	-
7805 Computer equipment	496	732	1,477	1,000	248	1,000
7806 Software licenses-new	4,223	1,040	-	500	-	500
7820 Office furniture & equipment	716	1,520	1,158	2,000	338	2,000
7835 Tools, shop and garage equipment	11,829	854	2,530	3,000	5,709	5,000
7899 Other minor tools & equipment	9,043	1,785	3,730	5,000	7,020	10,000
<i>O&M NON-PERSONNEL TOTAL</i>	192,117	195,254	318,596	250,866	324,654	266,607
	604,616	640,743	839,893	750,705	781,223	745,445



Department Responsibility: **Eliazar Perez, P.E.**

Title: **Engineering Manager**

Telephone Ext: **6258**

Dept. No: **2410**

**PERFORMANCE MEASURES
FOR THE
ELECTRIC ENGINEERING DEPARTMENT**

Department Function:

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

Department Goals/Objectives:

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

INPUT MEASURES

O&M Personnel Expenses

O&M Non-Personnel Expenses

OUTPUT MEASURES

Number of Customers (based on Work Orders)

Number of Street Lights

Number of Trees Trimmed

Number of Trouble Calls Completed

AEP - Magic Valley Conversions

OUTCOME MEASURES

Residential Lots Designed

Commercial Lots Designed

Substations Designed

New Feeders Designed

Services Designed in Multi-Certified Areas

EFFICIENCY MEASURES

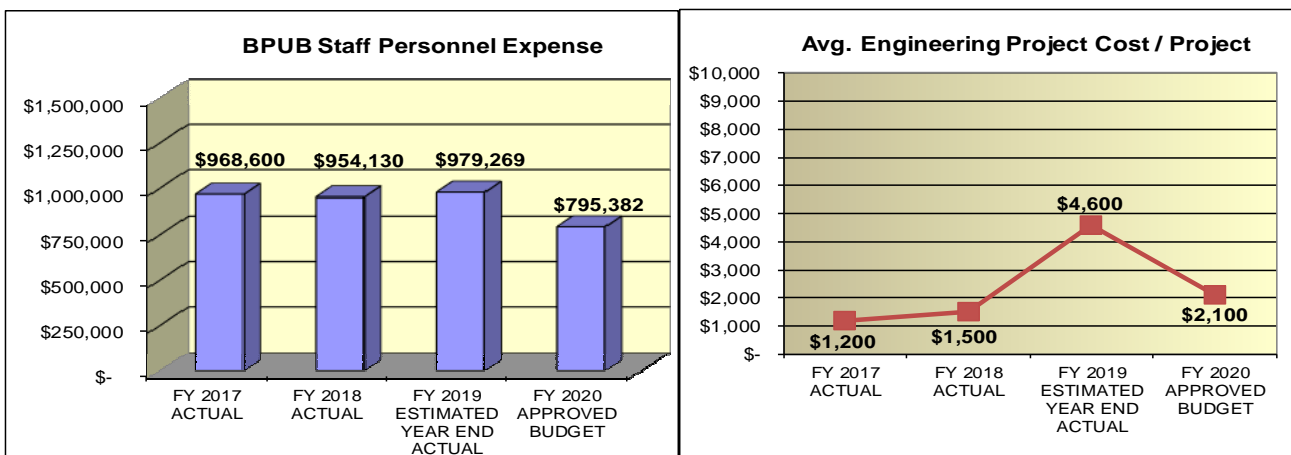
Customers per Employee (year)

Work Order Accuracy

System Losses (MWH Purchased- MWH Sold)

Avg. Engineering Project Cost / Project

	FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
O&M Personnel Expenses	\$ 968,600	\$ 954,130	\$ 979,269	\$ 795,382
O&M Non-Personnel Expenses	\$ 1,153,171	\$ 1,019,394	\$ 1,131,967	\$ 1,150,614
Number of Customers (based on Work Orders)	325	330	300	370
Number of Street Lights	160	130	100	272
Number of Trees Trimmed	9,200	9,300	9,000	10,400
Number of Trouble Calls Completed	1,900	2,000	1,500	1,900
AEP - Magic Valley Conversions	3	4	2	2
Residential Lots Designed	500	510	450	650
Commercial Lots Designed	140	143	130	132
Substations Designed	1	1	2	3
New Feeders Designed	2	2	2	2
Services Designed in Multi-Certified Areas	250	250	100	100
Customers per Employee (year)	30.00	28.00	28.00	37.00
Work Order Accuracy	90%	95%	95%	95%
System Losses (MWH Purchased- MWH Sold)	6.00%	6.00%	5.70%	5.70%
Avg. Engineering Project Cost / Project	\$ 1,200	\$ 1,500	\$ 4,600	\$ 2,100



DEPARTMENT 2410 - ELECTRIC ENGINEERING

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 68,998	\$ 79,830	\$ 80,532	\$ 80,402	\$ 80,815	\$ 80,402
6105 Administrative Staff	478,872	522,390	505,820	420,950	508,480	436,245
6110 Clerical staff	61,994	54,204	54,522	46,467	55,790	46,467
6130 Overtime	428	592	118	2,404	124	173
6201 T.M.R.S.	101,854	115,335	116,825	97,838	127,017	98,376
6205 F.I.C.A.	37,187	39,335	39,382	33,965	38,524	34,913
6210 Medicare	8,697	9,199	9,210	7,943	9,010	8,165
6214 Dental Insurance	3,125	3,263	3,187	2,720	6,022	6,409
6215 Hospitalization insurance	82,170	95,335	94,065	78,909	98,558	93,497
6220 Life Insurance	825	872	732	632	606	647
6221 Long Term Disability Insurance	1,594	1,720	573	1,096	974	1,126
6225 Workers Compensation	16,590	16,295	16,463	13,695	16,154	14,078
6230 Vacation leave	11,793	10,868	4,078	6,994	5,716	7,190
6235 Sick leave	15,978	19,362	23,730	7,694	30,518	7,909
6240 Educational assistance	-	-	(77)	-	-	-
6250 Miscellaneous personnel benefits	-	-	4,971	800	962	800
6260 Vacancy Savings	-	-	-	(39,231)	-	(41,016)
<i>O&M PERSONNEL TOTAL</i>	890,105	968,600	954,130	763,281	979,269	795,382
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	2,297	1,762	93	1,500	2,357	2,000
7110 Dues & memberships	813	1,417	1,745	2,000	1,180	2,000
7120 Office supplies	6,777	7,016	4,029	6,500	5,681	6,500
7125 Photo equipment/supplies	-	137	-	150	-	-
7130 Postage/shipping charges	1,038	727	1,595	1,500	2,393	2,000
7140 Training expenses	6,391	5,280	5,284	6,000	29,449	8,190
7145 Travel expenses	7,339	9,158	12,090	10,200	8,750	14,624
7203 Sand, Caliche, Gravel, Concrete etc	-	-	-	500	-	500
7210 Landscaping/Trade a Tree Program	430	130	80	750	150	750
7225 Safety supplies	607	383	395	600	309	600
7299 Other materials & supplies	584	1,280	770	1,550	1,267	1,550
7315 Food, meals, ice, water	909	699	967	1,200	589	800
7325 Rental of equip/storage/land	1,866	1,752	1,674	2,000	2,989	5,000
7335 Wearing apparel & dry goods	961	1,013	1,553	800	3,889	3,500
7415 Fuels & lubricants	2,686	3,386	3,466	2,700	2,973	3,000
7505 Maint. of communication equipment	-	-	679	400	210	400
7565 Maint. of street lighting & signals	8,074	3,120	17,180	75,000	19,367	75,000
7570 Maint. of underground lines	293,909	207,040	250,898	175,000	225,933	171,000
7599 Maintenance / other	-	-	320	500	-	500
7601 Legal Fees	10,251	4,185	14,377	25,000	13,670	15,000
7605 Engineering fees	24,135	284,628	56,794	120,000	89,421	75,000
7630 Construction contractor services	34,251	57,376	88,300	71,000	90,510	77,000
7635 Software maintenance service fees	20,735	4,250	14,525	92,000	82,390	36,000
7699 Other services	634,853	548,591	532,144	620,600	516,743	620,600
7805 Computer equipment	138	4,080	544	1,000	535	4,000
7806 Software licenses-new	6,473	3,450	7,985	6,000	17,424	10,000
7820 Office furniture & equipment	1,223	1,898	593	3,000	2,936	3,000
7835 Tools, shop and garage equipment	22	-	-	80	31	100
7899 Other minor tools & equipment	238	415	1,313	750	10,820	12,000
<i>O&M NON-PERSONNEL TOTAL</i>	1,067,001	1,153,171	1,019,394	1,228,280	1,131,967	1,150,614
	1,957,106	2,121,771	1,973,524	1,991,561	2,111,236	1,945,996



Department Responsibility: Juan J. Bujanos, P.E.

Title: Acting Director of W/WW Eng.,
Planning & Operations

Telephone Ext: 6468

Dept. No: 3110

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

Department Function:

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

Department Goals/Objectives:

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

Note:

See Departments:

-3145-W/WW Plant Maintenance

-3230-Wastewater Lift Stations

-3150-W/WW Construction & Operations

-3310-W/WW Engineering

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 92,836	\$ 104,575	\$ 118,097	\$ 105,007	\$ 64,166	\$ 74,630
6110 Clerical staff	33,393	35,327	35,182	34,882	35,320	34,882
6130 Overtime	292	392	483	503	434	503
6201 T.M.R.S.	28,383	26,071	28,427	24,998	32,509	27,719
6205 F.I.C.A.	8,240	7,740	8,645	8,673	4,528	6,790
6210 Medicare	2,520	2,077	2,220	2,028	1,449	1,588
6214 Dental Insurance	462	484	480	446	864	1,221
6215 Hospitalization insurance	12,288	13,131	15,070	14,563	15,175	18,273
6220 Life Insurance	148	179	153	154	93	123
6221 Long Term Disability Insurance	296	367	120	280	129	219
6225 Workers Compensation	5,333	3,684	3,978	3,497	2,690	2,738
6230 Vacation leave	6,917	4,815	6,230	1,786	(15,224)	1,398
6235 Sick leave	5,257	5,026	14,029	1,965	(24,089)	1,538
6242 Auto Benefits	6,633	7,500	7,500	7,500	8,077	-
6243 Telephone Benefits	1,486	1,680	1,680	1,680	1,809	1,680
6260 Vacancy Savings	-	-	-	(9,726)	-	(8,409)
<i>O&M PERSONNEL TOTAL</i>	<i>204,483</i>	<i>213,049</i>	<i>242,295</i>	<i>198,236</i>	<i>127,930</i>	<i>164,893</i>

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

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M NON-PERSONNEL</i>						
7110 Dues & memberships	5,956	6,129	6,375	7,000	6,651	7,000
7120 Office supplies	615	1,483	1,771	1,500	1,595	1,500
7130 Postage/shipping charges	-	18	210	200	43	100
7140 Training expenses	1,104	1,324	3,510	3,420	1,120	1,932
7145 Travel expenses	453	3,680	5,352	9,000	7,563	5,056
7315 Food, meals, ice, water	729	647	1,220	1,500	662	1,000
7325 Rental of equip/storage/land	-	-	408	-	-	-
7415 Fuels & lubricants	134	-	-	-	-	-
7601 Legal Fees	-	3,871	4,698	20,000	783	5,000
7699 Other services	-	-	-	400	1,045	800
7801 Communication equipment	-	-	-	200	-	200
7805 Computer equipment	435	409	170	500	301	500
7820 Office furniture & equipment	284	432	657	2,900	2,758	500
<i>O&M NON-PERSONNEL TOTAL</i>	<u>9,710</u>	<u>17,992</u>	<u>24,369</u>	<u>46,620</u>	<u>22,521</u>	<u>23,588</u>
	214,193	231,041	266,664	244,856	150,451	188,481



Department Responsibility: Domingo Cortez Jr.

Title: W/WW Operator Chief

Telephone Ext: 6488

Dept. No: 3120

**PERFORMANCE MEASURES
FOR THE
WATER PLANT I DEPARTMENT**

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)

Total O&M Expenses

Gallons of Raw Water Used (in millions)

OUTPUT MEASURES

Gallons of Water Treated (in millions)

No. of Water Customers Served

OUTCOME MEASURES

Compliance With Primary Water Standards

Compliance With State Reporting Requirements

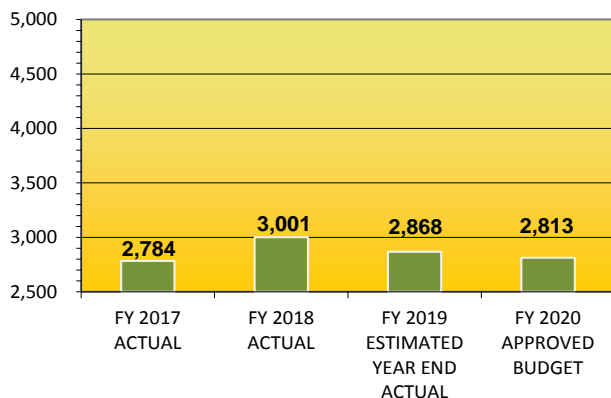
Completion of Oper. Reports Within 10 Days (%)

EFFICIENCY MEASURES

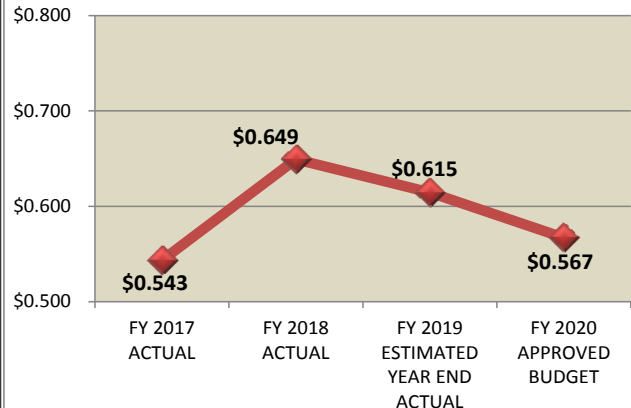
O&M Treatment Costs Per 1,000 gal. Water

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
10	10	10	10
\$ 1,512,472	\$ 1,948,602	\$ 1,762,555	\$ 2,315,763
2,897	3,056	2,995	3,039
2,784	3,001	2,868	2,813
51,279	52,269	53,278	54,306
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
100%	100%	100%	100%
\$ 0.543	\$ 0.649	\$ 0.615	\$ 0.567

Gallons of Water Treated (in millions)



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



DEPARTMENT 3120 - WATER PLANT I

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 62,944	\$ 125,837	\$ 104,192	\$ 134,742	\$ 135,261	\$ 134,742
6110 Clerical staff	172	355	7,698	-	12,534	-
6115 Operational staff	234,284	246,828	258,356	282,422	263,850	288,891
6130 Overtime	7,958	9,541	9,381	8,790	9,945	9,023
6201 T.M.R.S.	50,354	67,689	68,560	74,547	74,679	74,009
6205 F.I.C.A.	18,034	22,591	22,647	25,864	25,041	26,265
6210 Medicare	4,218	5,283	5,296	6,049	5,856	6,143
6214 Dental Insurance	2,160	2,463	2,464	2,790	4,932	6,620
6215 Hospitalization insurance	63,898	75,118	71,871	85,457	79,450	95,064
6220 Life Insurance	427	511	430	504	403	510
6221 Long Term Disability Insurance	785	969	282	834	601	847
6225 Workers Compensation	7,658	9,564	9,578	10,429	10,560	10,591
6230 Vacation leave	(2,056)	322	10,092	5,326	(34)	5,409
6235 Sick leave	(11,992)	(7,225)	32,276	5,859	(4,321)	5,950
6260 Vacancy Savings	-	-	-	(31,182)	-	(32,184)
<i>O&M PERSONNEL TOTAL</i>	438,845	559,847	603,125	612,433	618,757	631,880
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	44	-	-	175	-	175
7110 Dues & memberships	982	1,014	1,141	1,084	768	1,200
7120 Office supplies	233	419	436	400	801	400
7130 Postage/shipping charges	127	34	16	800	-	100
7140 Training expenses	3,933	4,220	785	3,320	2,105	903
7145 Travel expenses	382	998	2,857	2,400	1,804	1,696
7180 Utilities - departmental	212,130	192,123	231,579	230,000	250,004	230,000
7225 Safety supplies	2,256	3,415	331	2,000	1,297	2,000
7280 Chemicals - activated carbon	40,535	19,686	19,161	28,321	20,598	25,824
7281 Chemicals - ammonia	47,388	51,899	49,530	60,648	35,765	61,006
7282 Chemicals - caustic soda	-	-	66,728	73,092	78,540	61,544
7283 Chemicals - chlorine	78,064	81,414	68,060	90,914	66,322	103,277
7284 Chemicals - coagulant	352,999	381,317	476,236	497,651	385,681	519,198
7290 Chemicals - sodium chloride	44,141	56,104	56,530	66,000	65,488	67,320
7293 Chemicals - other	230	1,159	1,023	2,100	1,080	2,100
7299 Other materials & supplies	14,236	23,286	8,341	25,000	23,518	43,730
7315 Food, meals, ice, water	446	305	149	400	133	400
7325 Rental of equip/storage/land	2,419	2,458	2,437	5,000	39,432	4,300
7335 Wearing apparel & dry goods	2,596	2,879	3,273	2,600	5,273	2,925
7415 Fuels & lubricants	1,522	1,596	1,201	1,500	1,065	1,500
7520 Maint. of minor equipment	3,319	23,017	4,418	19,000	3,534	15,000
7580 Maint. of reservoirs	112,493	37,478	131,356	90,000	52,129	113,650
7605 Engineering fees	-	1,511	-	30,000	9,989	20,000
7630 Construction contractor services	-	14,748	14,419	50,000	3,585	160,935
7645 Maintenance services	12,637	2,033	115,429	165,000	16,483	165,000
7699 Other services	19,395	20,648	22,728	14,000	27,528	17,700
7810 Laboratory equipment	5,702	5,281	23,098	15,000	18,023	13,600
7820 Office furniture & equipment	1,132	-	857	2,300	1,290	1,400
7830 Pumping equipment	-	499	420	2,000	216	1,000
7840 Water treatment equipment	10,971	21,702	33,460	35,000	29,674	45,000
7899 Other minor tools & equipment	3,800	1,385	9,480	2,000	1,673	1,000
<i>O&M NON-PERSONNEL TOTAL</i>	974,112	952,625	1,345,477	1,517,705	1,143,798	1,683,883
	1,412,957	1,512,472	1,948,602	2,130,138	1,762,555	2,315,763



Department Responsibility: **Jacob Galvan**

Title: **W/WW Operator Chief**

Telephone Ext: **6480**

Dept. No: **3130**

PERFORMANCE MEASURES FOR THE WATER PLANT II DEPARTMENT

Department Function:

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

Department Goals/Objectives:

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

INPUT MEASURES

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

OUTPUT MEASURES

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

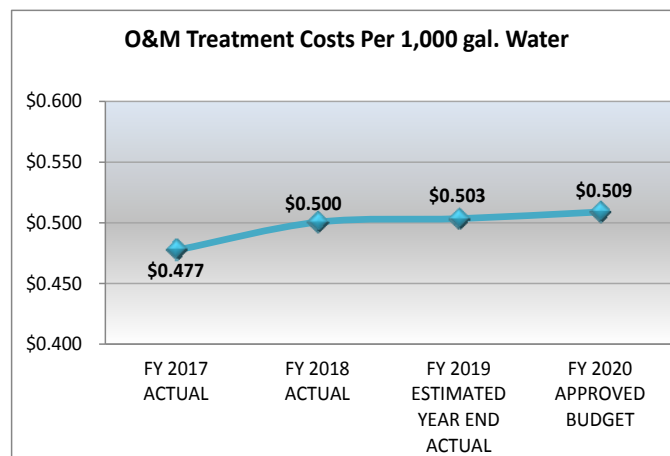
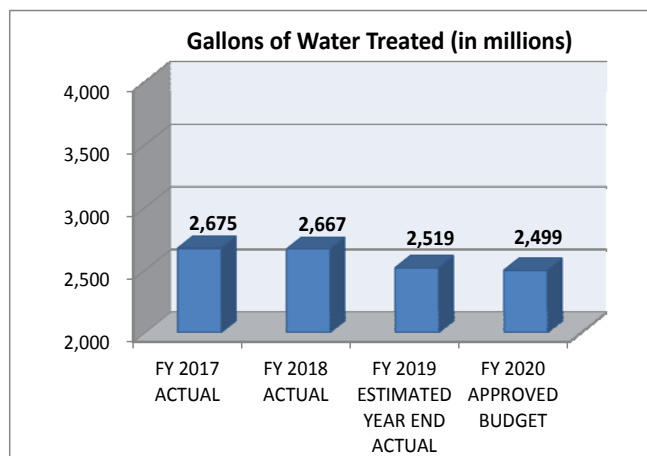
OUTCOME MEASURES

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

EFFICIENCY MEASURES

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

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
8	8	8	8
\$ 1,277,117	\$ 1,334,659	\$ 1,268,199	\$1,690,118
2,681	2,754	2,613	2,661
2,675	2,667	2,519	2,499
51,279	52,269	53,278	54,306
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
100%	100%	100%	100%
\$ 0.477	\$ 0.500	\$ 0.503	\$ 0.509



DEPARTMENT 3130 - WATER PLANT II

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 63,056	\$ 64,901	\$ 57,851	\$ 51,875	\$ 94,381	\$ 51,875
6115 Operational staff	220,905	223,089	216,626	226,699	196,896	232,003
6130 Overtime	9,116	12,834	12,485	12,083	7,946	11,377
6201 T.M.R.S.	48,658	53,343	51,300	50,376	53,011	49,594
6205 F.I.C.A.	17,320	17,741	16,850	17,272	17,477	17,600
6206 Suta	-	2,065	1,376	-	-	-
6210 Medicare	4,051	4,149	3,941	4,039	4,087	4,116
6214 Dental Insurance	2,141	2,100	2,034	2,232	4,309	5,576
6215 Hospitalization insurance	63,155	62,866	60,687	63,732	68,415	77,835
6220 Life Insurance	408	398	319	348	292	353
6221 Long Term Disability Insurance	746	741	239	557	419	568
6225 Workers Compensation	7,336	7,562	7,174	6,964	7,487	7,097
6230 Vacation leave	(5,120)	4,537	618	3,557	(5,563)	3,625
6235 Sick leave	(2,293)	7,032	154	3,913	(5,942)	3,987
6260 Vacancy Savings	-	-	-	(21,205)	-	(22,331)
<i>O&M PERSONNEL TOTAL</i>	429,480	463,357	431,654	422,443	443,214	443,275
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	74	200	-	200
7110 Dues & memberships	708	742	1,021	950	798	900
7120 Office supplies	-	381	-	300	201	315
7130 Postage/shipping charges	7	-	281	100	448	500
7140 Training expenses	3,765	2,107	1,680	2,940	1,765	1,323
7145 Travel expenses	424	466	1,740	1,881	810	640
7180 Utilities - departmental	250,816	226,442	242,278	218,724	208,471	207,788
7190 Utilities - CP&L & Mvec	1,736	1,343	1,379	2,000	1,713	2,000
7225 Safety supplies	1,385	1,320	464	2,550	2,014	2,575
7280 Chemicals - activated carbon	20,828	41,422	37,806	42,381	19,848	41,354
7281 Chemicals - ammonia	40,852	40,560	48,153	43,274	45,649	44,215
7282 Chemicals - caustic soda	65,338	41,024	41,563	81,489	48,939	53,897
7283 Chemicals - chlorine	58,548	60,750	59,904	89,526	58,590	90,646
7284 Chemicals - coagulant	344,002	281,102	295,790	391,640	202,075	374,451
7290 Chemicals - sodium chloride	56,518	40,893	52,179	72,700	54,336	74,800
7293 Chemicals - other	509	585	1,271	2,500	1,295	1,715
7299 Other materials & supplies	26,898	21,297	13,086	22,600	23,264	43,393
7315 Food, meals, ice, water	324	97	161	400	100	250
7325 Rental of equip/storage/land	10,587	2,672	1,825	4,500	2,358	3,400
7335 Wearing apparel & dry goods	1,987	2,298	2,599	2,000	2,543	2,050
7415 Fuels & lubricants	2,112	806	858	1,500	1,081	1,425
7501 Maint. of buildings & structures	24,350	-	4,186	20,000	5,547	102,000
7580 Maint. of reservoirs	29,722	4,817	56,689	50,000	4,396	35,956
7605 Engineering fees	8,959	-	-	30,400	16,139	30,400
7630 Construction contractor services	6,000	-	-	35,000	30,910	40,000
7645 Maintenance services	10,317	624	762	16,000	2,813	16,000
7699 Other services	48,377	10,577	6,879	38,000	6,341	7,150
7810 Laboratory equipment	4,535	-	-	-	-	4,491
7820 Office furniture & equipment	348	810	-	2,500	2,360	2,030
7830 Pumping equipment	10,576	-	-	1,000	-	1,000
7899 Other minor tools & equipment	22,183	30,626	30,379	32,000	80,181	59,980
<i>O&M NON-PERSONNEL TOTAL</i>	1,052,712	813,760	903,005	1,209,055	824,985	1,246,843
	1,482,192	1,277,117	1,334,659	1,631,498	1,268,199	1,690,118



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)

Total O&M Expenses

OUTPUT MEASURES

Sediment Dredged (cu-yd)

OUTCOME MEASURES

Compliance With Environmental Standards

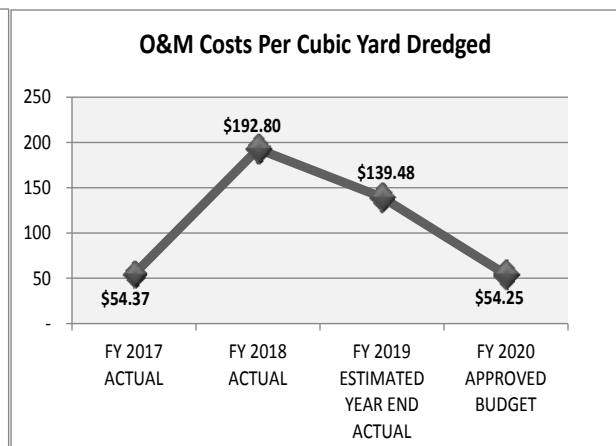
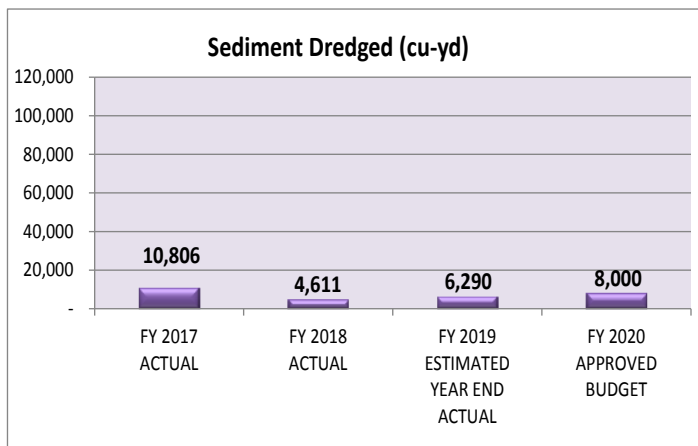
Completion of Oper. Reports Within 10 Days (%)

Raw Water Storage Capacity Gained (acre-ft)

EFFICIENCY MEASURES

O&M Costs Per Cubic Yard Dredged

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
17	9	9	9
\$ 587,504	\$ 889,011	\$ 877,325	\$ 433,976
10,806	4,611	6,290	8,000
Yes	Yes	Yes	Yes
100%	100%	100%	100%
7	3	4	5
\$ 54.37	\$ 192.80	\$ 139.48	\$ 54.25



DEPARTMENT 3135 – RESACA MAINTENANCE

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 138,102	\$ 138,938	\$ 140,005	\$ 140,005	\$ 140,543	\$ 140,005
6105 Administrative Staff	-	819	1,630	-	-	-
6110 Clerical staff	25,804	20,807	23,862	28,642	23,556	28,662
6115 Operational staff	323,593	150,714	198,915	197,766	194,062	201,490
6130 Overtime	32,638	9,799	9,629	10,000	10,348	10,010
6201 T.M.R.S.	86,565	56,551	68,805	65,478	65,289	64,666
6205 F.I.C.A.	30,202	18,543	22,252	22,718	21,260	21,579
6206 Suta	-	-	-	-	1,841	-
6210 Medicare	7,063	4,337	5,204	5,313	4,972	5,367
6214 Dental Insurance	3,771	2,014	2,454	2,511	4,153	5,609
6215 Hospitalization insurance	122,468	67,259	80,984	81,792	78,437	93,037
6220 Life Insurance	702	439	437	444	354	447
6221 Long Term Disability Insurance	1,276	835	308	733	523	740
6225 Workers Compensation	13,036	8,069	9,634	9,160	9,213	9,254
6230 Vacation leave	(3,160)	(7,227)	(948)	4,678	5,499	4,726
6235 Sick leave	(6,357)	(3,224)	(13,563)	5,146	(8,008)	5,199
6260 Vacancy Savings	-	-	-	(27,728)	-	(28,543)
6266 RESTORE Offset-Personnel	-	-	-	-	-	(301,770)
<i>O&M PERSONNEL TOTAL</i>	<i>775,703</i>	<i>468,672</i>	<i>549,608</i>	<i>546,659</i>	<i>552,042</i>	<i>260,479</i>
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	28	-	-	-	31	100
7110 Dues & memberships	436	686	907	500	545	500
7120 Office supplies	941	744	499	500	940	500
7130 Postage/shipping charges	64	-	407	100	26	100
7140 Training expenses	615	200	1,400	1,800	1,240	1,800
7145 Travel expenses	6,689	4,059	3,951	4,000	(97)	4,000
7180 Utilities - departmental	14,569	10,206	10,516	14,000	11,332	14,000
7203 Sand, Caliche, Gravel, Concrete etc	21,192	2,461	14,871	9,000	5,630	9,000
7225 Safety supplies	4,812	1,834	2,709	3,000	9,509	3,000
7293 Chemicals - other	140,139	-	-	82,009	45,908	82,009
7299 Other materials & supplies	53,047	31,847	52,933	30,000	55,201	30,000
7315 Food, meals, ice, water	195	112	335	250	301	300
7325 Rental of equip/storage/land	11,138	2,365	10,003	8,000	9,945	20,000
7335 Wearing apparel & dry goods	6,102	6,970	8,075	5,500	4,354	2,513
7415 Fuels & lubricants	35,688	25,783	24,040	36,100	9,546	36,100
7581 Maint. of resacas	332	2,808	660	1,000	1,254	1,000
7601 Legal Fees	-	-	63,408	25,000	27,563	30,000
7605 Engineering fees	117,130	15,475	43,350	25,000	52,200	20,000
7630 Construction contractor services	-	-	-	-	-	-
7645 Maintenance services	20,206	742	38,108	6,000	65,886	6,000
7655 Hauling Services	308	-	-	-	-	-
7696 RESTORE Offset-Nonpersonnel	-	-	-	-	-	(133,341)
7699 Other services	55,356	10,952	28,980	30,000	15,558	25,000
7801 Communication equipment	469	-	-	-	3,380	7,000
7805 Computer equipment	1,031	-	-	-	-	5,616
7820 Office furniture & equipment	904	-	858	-	-	-
7830 Pumping equipment	200	573	32,667	34,000	4,650	8,000
7835 Tools, shop and garage equipment	906	78	724	300	380	300
7899 Other minor tools & equipment	871	937	-	-	-	-
<i>O&M NON-PERSONNEL TOTAL</i>	<i>493,365</i>	<i>118,832</i>	<i>339,403</i>	<i>316,059</i>	<i>325,283</i>	<i>173,497</i>
	1,269,068	587,504	889,011	862,718	877,325	433,976



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)
Total 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)

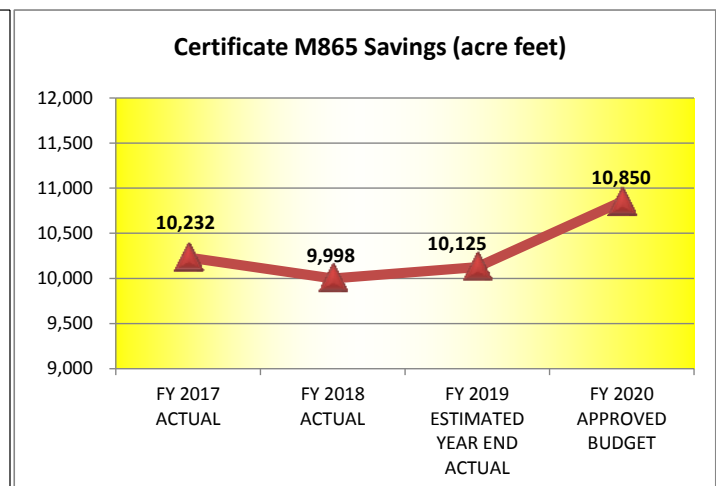
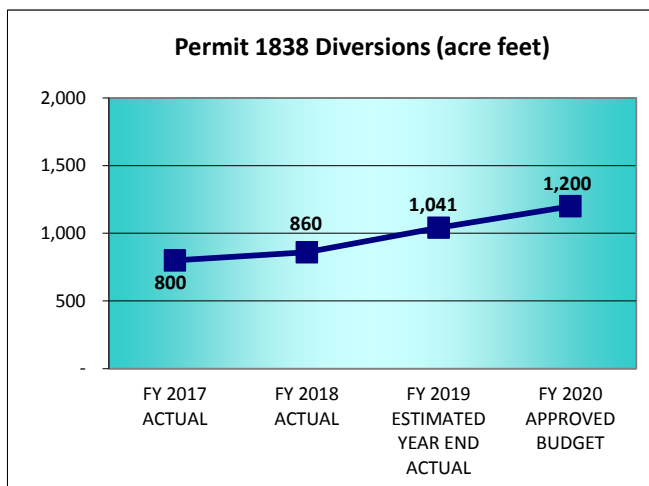
OUTCOME MEASURES

Permit 1838 Diversions (acre feet)

EFFICIENCY MEASURES

Certificate M865 Savings (acre feet)

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
4	4	4	4
\$ 486,526	\$ 833,141	\$ 513,911	\$ 884,531
31,462	31,510	30,800	32,000
21,640	22,486	20,555	21,560
4,538	4,318	4,462	4,439
21,230	21,512	20,675	21,139
800	860	1,041	1,200
10,232	9,998	10,125	10,850



DEPARTMENT 3140 – RAW WATER SUPPLY

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6115 Operational staff	\$ 114,287	\$ 125,843	\$ 119,374	\$ 126,797	\$ 120,436	\$ 126,797
6130 Overtime	5,395	7,316	7,321	6,001	4,267	6,492
6201 T.M.R.S.	19,915	23,358	23,326	22,619	22,618	22,151
6205 F.I.C.A.	6,993	7,684	7,603	7,861	7,565	7,861
6210 Medicare	1,635	1,797	1,778	1,839	1,769	1,839
6214 Dental Insurance	1,049	1,075	959	1,116	1,745	2,261
6215 Hospitalization insurance	31,248	32,892	30,334	34,059	29,876	33,401
6220 Life Insurance	174	182	142	161	127	160
6221 Long Term Disability Insurance	307	329	104	254	174	254
6225 Workers Compensation	3,057	3,300	3,267	3,170	3,192	3,170
6230 Vacation leave	(92)	(160)	(84)	1,619	3,362	1,619
6235 Sick leave	2,276	3,155	(3,011)	1,781	7,566	1,781
6260 Vacancy Savings	-	-	-	(9,894)	-	(9,895)
<i>O&M PERSONNEL TOTAL</i>	186,244	206,772	191,112	197,383	202,698	197,891
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	74	-	-	100	76	100
7110 Dues & memberships	398	296	411	744	668	750
7120 Office supplies	592	624	473	1,000	570	1,000
7130 Postage/shipping charges	-	-	-	100	37	100
7140 Training expenses	695	1,900	1,755	2,500	1,585	1,134
7145 Travel expenses	64	393	440	1,180	150	256
7180 Utilities - departmental	141,424	144,857	148,069	165,000	129,765	165,000
7190 Utilities - CP&L & Mvec	407	889	744	950	392	950
7203 Sand, Caliche, Gravel, Concrete etc	13,228	5,598	3,553	18,000	11,414	15,000
7225 Safety supplies	512	954	912	1,400	1,226	1,400
7251 Purchased of Raw Water	17,421	41,913	31,703	50,000	26,750	50,000
7285 Chemicals - copper sulphate	2,700	-	3,935	5,000	3,415	5,000
7293 Chemicals - other	57	-	191	500	52	500
7299 Other materials & supplies	9,811	8,226	3,603	10,000	7,435	10,000
7315 Food, meals, ice, water	49	106	239	300	209	300
7325 Rental of equip/storage/land	-	160	189,736	85,000	-	85,000
7335 Wearing apparel & dry goods	1,559	2,210	2,561	2,000	1,819	1,500
7415 Fuels & lubricants	8,272	9,763	57,986	15,000	4,965	8,000
7501 Maint. of buildings & structures	-	-	-	-	225	-
7580 Maint. of reservoirs	5,930	9,634	109,900	200,000	2,752	125,000
7581 Maint. of resacas	-	773	6,117	109,000	19,346	100,000
7605 Engineering fees	-	30,670	36,362	150,000	33,849	50,000
7645 Maintenance services	5,543	16,569	450	6,000	37,133	6,000
7699 Other services	3,021	873	41,560	100,000	22,147	50,000
7805 Computer equipment	-	20	-	2,000	-	2,100
7820 Office furniture & equipment	400	135	383	550	320	550
7830 Pumping equipment	5,755	1,982	250	5,000	4,060	5,000
7835 Tools, shop and garage equipment	790	836	425	1,000	626	1,000
7899 Other minor tools & equipment	3,112	374	272	1,000	229	1,000
<i>O&M NON-PERSONNEL TOTAL</i>	221,814	279,754	642,029	933,324	311,213	686,640
	408,058	486,526	833,141	1,130,707	513,911	884,531



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.

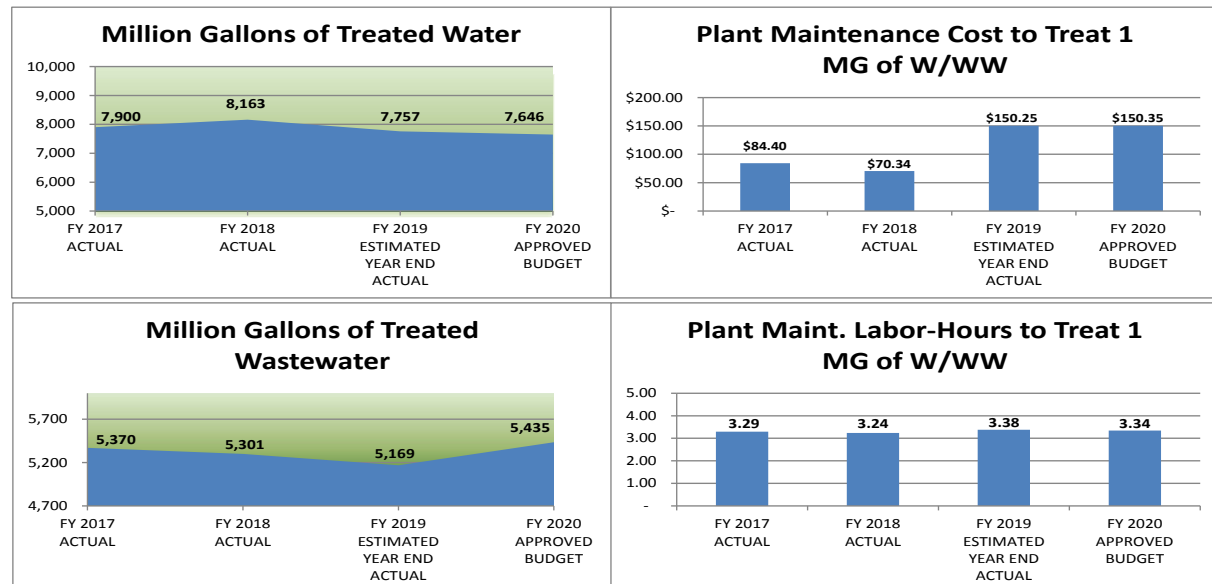
Department Goals/Objectives:

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.

	FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
INPUT MEASURES				
O&M Expenditures	\$ 1,360,653	\$ 1,757,464	\$ 1,646,760	\$ 1,590,986
Labor-Hours	43,680	43,680	43,680	43,680
Overtime labor factor	14	13	13	13
OUTPUT MEASURES				
Million Gallons of Treated Water	7,900	8,163	7,757	7,646
Thousands of Customers Served (water)	50	50	51	52
Million Gallons of Treated Wastewater	5,370	5,301	5,169	5,435
Thousands of Customers Served (wastewater)	50	50	51	52
OUTCOME MEASURES				
Maintenance-related TCEQ NOV (water)	0	0	0	0
Maintenance-related TCEQ NOV (wastewater)	0	0	0	0
Water Plant PM Status**	36	37	38	39
Wastewater Plant PM Status**	36	37	38	39
EFFICIENCY MEASURES				
Plant Maintenance Cost Per Customer/ Year	\$ 223.99	\$ 189.42	\$ 380.81	\$ 378.21
Plant Maint. Labor-Hours Per Customer/Yr	0.87	0.87	0.86	0.84
Plant Maintenance Cost to Treat 1 MG of W/WW	\$ 84.40	\$ 70.34	\$ 150.25	\$ 150.35
Plant Maint. Labor-Hours to Treat 1 MG of W/WW	3.29	3.24	3.38	3.34

NOTES:

* W/WW Plant PM Status = Thousands of customers served minus number of TCEQ non-compliance notices minus overtime labor factor
(For FY 2019 Proposed Budget - # of Customers Served Water (50,926) and Wastewater (51,204))



DEPARTMENT 3145 - WATER & WASTEWATER PLANT MAINTENANCE

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 58,747	\$ 62,045	\$ 61,939	\$ 62,358	\$ 43,171	\$ 51,064
6105 Administrative Staff	50,545	50,629	51,688	51,688	31,808	-
6115 Operational staff	382,056	401,965	434,241	426,192	387,783	379,496
6130 Overtime	42,671	78,087	62,185	83,274	40,850	72,630
6201 T.M.R.S.	92,564	104,182	109,102	96,497	99,885	75,219
6205 F.I.C.A.	32,886	34,546	35,592	33,495	32,843	26,695
6210 Medicare	7,691	8,079	8,324	7,834	7,681	6,243
6214 Dental Insurance	3,177	3,170	3,418	3,627	5,931	7,386
6215 Hospitalization insurance	99,610	104,776	114,359	118,663	107,878	116,929
6220 Life Insurance	692	694	626	653	458	529
6221 Long Term Disability Insurance	1,300	1,326	451	1,081	644	861
6225 Workers Compensation	14,113	14,770	15,260	13,506	14,135	10,764
6230 Vacation leave	1,721	2,220	134	6,898	646	5,497
6235 Sick leave	4,205	14,093	(1,065)	7,588	(20,467)	6,047
6260 Vacancy Savings	-	-	-	(40,780)	-	(33,759)
<i>O&M PERSONNEL TOTAL</i>	<u>791,980</u>	<u>880,583</u>	<u>896,254</u>	<u>872,573</u>	<u>753,246</u>	<u>725,602</u>
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	500	-	-
7110 Dues & memberships	189	758	1,385	1,760	454	650
7120 Office supplies	2,587	3,145	3,044	4,100	1,058	3,000
7130 Postage/shipping charges	-	935	39	300	54	150
7140 Training expenses	1,510	1,301	1,497	6,880	1,360	1,344
7145 Travel expenses	373	574	2,804	4,076	304	640
7225 Safety supplies	7,691	10,618	5,133	34,972	6,327	15,000
7299 Other materials & supplies	65,512	92,926	111,858	108,000	114,878	100,000
7315 Food, meals, ice, water	320	250	318	800	535	800
7325 Rental of equip/storage/land	5,437	2,559	5,940	15,600	8,102	18,000
7335 Wearing apparel & dry goods	4,797	5,206	6,160	4,200	4,917	4,400
7415 Fuels & lubricants	18,836	20,149	21,444	19,000	23,733	24,600
7645 Maintenance services	184,202	319,454	677,961	739,000	719,178	671,000
7801 Communication equipment	11,872	-	-	-	-	-
7820 Office furniture & equipment	1,105	550	-	400	500	400
7835 Tools, shop and garage equipment	12,336	15,523	6,499	22,000	6,270	10,000
7899 Other minor tools & equipment	8,468	6,121	17,127	15,600	5,843	15,400
<i>O&M NON-PERSONNEL TOTAL</i>	<u>325,234</u>	<u>480,070</u>	<u>861,210</u>	<u>977,188</u>	<u>893,514</u>	<u>865,384</u>
	1,117,214	1,360,653	1,757,464	1,849,761	1,646,760	1,590,986



Department Responsibility: **Armando Garcia**

Title: **WWW 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, which includes 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.

INPUT MEASURES

Employees
Total O&M Expenses
Miles of Water & Wastewater Mains
Number of Service Requests
Number of Service Orders
Overtime Expenses

OUTPUT MEASURES

Water Mains/Service Line No. of Repairs
Wastewater Line No. of Repairs
Number of W/WW Service Connections

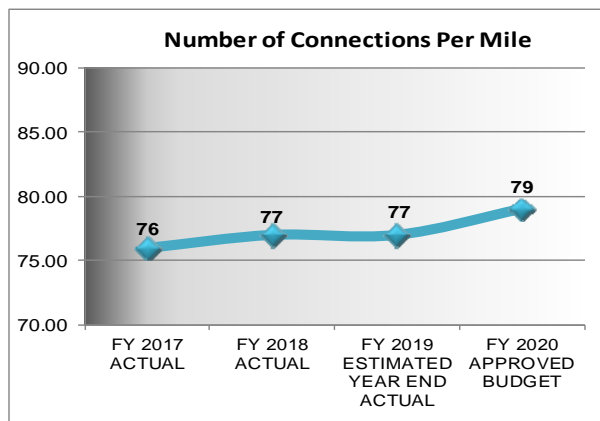
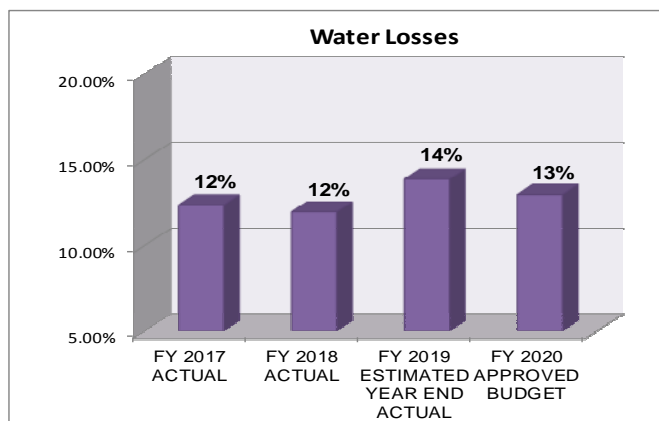
OUTCOME MEASURES

Ongoing Maintenance
Average Response Time Per Call
Water Losses
Number of Connections Per Mile

EFFICIENCY MEASURES

Estimated Expenses W/WW Main Lines
Turnaround Time Per New Connection (days)
Average Cost per Customer per W/WW Connection

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
67	67	68	70
\$ 5,162,830	\$ 5,255,239	\$ 5,436,217	\$ 6,359,029
1,298	1,308	1,345	1,306
16,498	16,400	17,448	18,331
8,809	7,804	8,967	10,805
\$ 165,000	\$ 175,000	\$ 240,000	\$ 255,000
1,066	2,357	2,622	2,200
535	469	441	430
99,782	100,637	103,565	103,732
YES	YES	YES	YES
90min.	90min.	90min.	90min.
12%	12%	14%	13%
76	77	77	79
\$ 2,519,236	\$ 3,051,903	\$ 3,397,538	\$ 3,692,139
10	10	10	10
\$ 3,272	\$ 3,272	\$ 3,272	\$ 3,532



DEPARTMENT 3150 – WATER/WASTEWATER OPERATIONS & CONSTRUCTION

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 160,276	\$ 178,158	\$ 187,039	\$ 161,963	\$ 191,450	\$ 161,963
6110 Clerical staff	73,329	75,960	80,490	91,437	103,567	91,437
6115 Operational staff	1,324,701	1,439,524	1,532,315	1,685,832	1,562,667	1,794,811
6130 Overtime	173,032	194,417	276,479	250,001	263,647	255,039
6201 T.M.R.S.	289,680	336,154	370,355	347,739	432,688	357,823
6205 F.I.C.A.	104,001	113,145	123,038	118,709	127,747	126,989
6206 Suta	10,032	12,763	-	-	1,987	-
6210 Medicare	24,323	26,461	28,775	28,119	29,876	29,699
6214 Dental Insurance	14,427	14,152	14,186	16,340	26,227	36,516
6215 Hospitalization insurance	403,990	408,095	419,358	474,498	475,180	586,818
6220 Life Insurance	2,331	2,425	2,162	2,445	1,992	2,592
6221 Long Term Disability Insurance	4,105	4,428	1,522	3,879	2,746	4,097
6225 Workers Compensation	44,404	48,291	52,664	48,481	55,567	51,205
6230 Vacation leave	10,329	42,490	3,959	24,760	6,916	26,151
6235 Sick leave	(2,175)	50,411	2,580	27,237	4,533	28,768
6250 Miscellaneous personnel benefits	-	-	-	-	878	-
6260 Vacancy Savings	-	-	-	(148,972)	-	(156,804)
<i>O&M PERSONNEL TOTAL</i>	<i>2,636,784</i>	<i>2,946,876</i>	<i>3,094,921</i>	<i>3,132,465</i>	<i>3,287,670</i>	<i>3,397,103</i>
<i>O&M NON-PERSONNEL</i>						
7110 Dues & memberships	1,715	1,562	3,426	4,200	2,344	2,500
7120 Office supplies	6,970	6,270	7,431	7,000	5,965	5,000
7140 Training expenses	10,416	6,685	5,882	10,000	3,308	4,536
7145 Travel expenses	4,001	2,782	1,593	4,000	681	2,240
7180 Utilities - departmental	44,214	35,153	34,878	40,000	36,756	40,000
7201 Barricades & signs	1,580	6,266	4,294	7,500	1,844	7,500
7203 Sand, Caliche, Gravel, Concrete etc	248,360	136,201	152,144	205,000	39,587	205,000
7210 Landscaping/Trade a Tree Program	1,986	4,402	3,423	5,000	3,463	4,000
7215 Laundry & janitorial supplies	158	-	33	1,000	-	250
7225 Safety supplies	25,743	21,809	31,436	35,000	35,324	40,000
7293 Chemicals - other	1,480	1,972	3,312	4,000	1,399	4,000
7299 Other materials & supplies	287,332	399,988	402,290	400,000	448,454	400,000
7315 Food, meals, ice, water	2,059	1,813	1,567	3,000	2,605	2,500
7325 Rental of equip/storage/land	9,699	21,800	3,925	35,000	12,159	15,000
7335 Wearing apparel & dry goods	23,106	27,671	32,031	26,000	25,131	28,000
7415 Fuels & lubricants	118,586	125,572	156,557	180,000	144,896	150,000
7501 Maint. of buildings & structures	4,127	8,455	2,731	5,500	8,975	8,500
7505 Maint. of communication equipment	502	22	97	3,000	1,387	1,000
7515 Maint. of major equipment	2,844	-	20	13,000	-	5,000
7520 Maint. of minor equipment	4,489	3,664	1,465	4,000	1,924	4,000
7575 Maint. of water meters	361,889	268,530	384,533	425,000	333,872	425,000
7577 Maint. of distribution mains	162,839	111,944	77,903	150,000	83,423	100,000
7585 Maint. of sewer force mains	6,663	4,073	4,243	50,000	557	50,000
7586 Maint. of sewer gravity lines	36,947	18,860	61,125	80,000	40,809	80,000
7599 Maintenance / other	10,368	19,736	11,583	22,000	867	15,000
7630 Construction contractor services	286,328	315,769	282,095	357,000	346,143	357,000
7635 Software maintenance service fees	-	-	-	3,500	-	500
7645 Maintenance services	742	209	-	340,600	400	355,000
7655 Hauling Services	78,211	103,585	77,306	112,000	141,694	112,000
7699 Other services	476,493	430,940	273,446	542,000	297,131	342,000
7801 Communication equipment	20,407	21,103	2,718	10,000	12,346	18,000
7805 Computer equipment	1,284	2,006	-	5,400	418	3,400
7820 Office furniture & equipment	14,539	-	-	-	279	-
7899 Other minor tools & equipment	36,825	107,110	136,832	164,956	114,407	175,000
<i>O&M NON-PERSONNEL TOTAL</i>	<i>2,292,899</i>	<i>2,215,954</i>	<i>2,160,318</i>	<i>3,254,656</i>	<i>2,148,547</i>	<i>2,961,926</i>
	4,929,683	5,162,830	5,255,239	6,387,121	5,436,217	6,359,029



Department Responsibility: **Jose G. Ibarra Jr.**

Title: **Wastewater Treatment Manager**

Telephone Ext: **6500**

Dept. No: **3210**

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

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.

INPUT MEASURES

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

OUTPUT MEASURES

Reports Produced
Annual Statistical Reports
Operational Budget Reports Produced

OUTCOME MEASURES

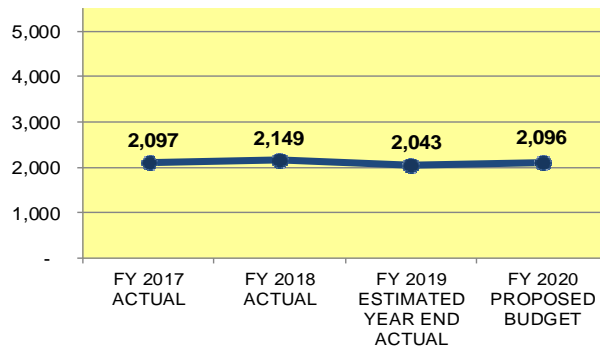
Operate Within Permit Compliance
Operate Within Approved Budget
% of CIP Projects Completed on Schedule
Cost to Treat 1 MGD

EFFICIENCY MEASURES

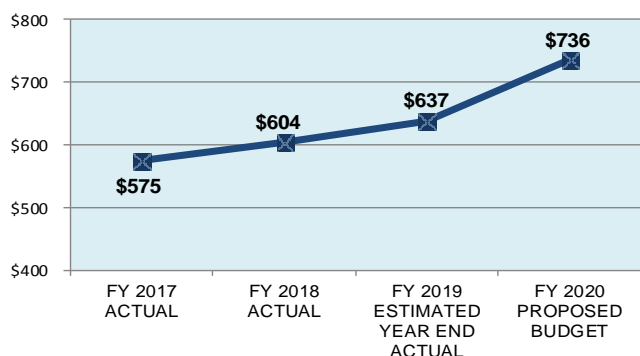
Average CBOD % Removal mg/l
Average TSS % Removal mg/l

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
10	10	9	9
\$ 1,205,393	\$ 1,297,187	\$ 1,302,325	\$ 1,543,336
844	951	1,073	1,012
2,097,471,000	2,149,072,000	2,042,891,000	2,095,982,000
18	18	18	18
1	1	1	1
12	12	12	12
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
100%	100%	100%	100%
\$ 575	\$ 604	\$ 637	\$ 736
99.0	99.0	99.0	99.0
97.0	96.0	97.0	97.0

Millions of Gallons Treated



Cost to Treat 1 MGD



DEPARTMENT 3210 - SOUTH WASTEWATER TREATMENT PLANT

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 54,391	\$ 55,474	\$ 55,319	\$ 55,598	\$ 55,812	\$ 55,598
6115 Operational staff	271,016	249,065	311,908	240,573	254,937	241,051
6130 Overtime	27,104	37,594	36,842	26,786	23,215	22,554
6201 T.M.R.S.	59,748	61,249	72,270	52,926	59,487	51,825
6205 F.I.C.A.	21,217	20,340	24,015	18,363	19,917	18,392
6210 Medicare	4,962	4,757	5,616	4,294	4,658	4,301
6214 Dental Insurance	2,459	2,316	2,716	2,232	3,870	4,876
6215 Hospitalization insurance	79,173	75,881	83,428	66,854	69,715	81,034
6220 Life Insurance	459	422	427	365	306	366
6221 Long Term Disability Insurance	835	779	291	592	443	593
6225 Workers Compensation	9,128	8,670	10,139	7,404	8,397	7,416
6230 Vacation leave	1,916	2,964	1,474	3,781	3,222	3,788
6235 Sick leave	11,888	5,326	8,614	4,160	(4,348)	4,166
6260 Vacancy Savings	-	-	-	(22,460)	-	(23,273)
<i>O&M PERSONNEL TOTAL</i>	544,296	524,835	613,058	461,469	499,633	472,688
<i>O&M NON-PERSONNEL</i>						
7110 Dues & memberships	677	-	444	800	111	800
7120 Office supplies	1,040	1,077	726	400	376	400
7130 Postage/shipping charges	7,732	3,682	3,447	6,500	4,141	6,500
7140 Training expenses	1,656	3,012	2,077	3,200	995	1,281
7145 Travel expenses	1,023	1,111	1,437	1,120	183	640
7180 Utilities - departmental	461,577	456,411	433,592	468,000	440,922	468,000
7201 Barricades & signs	-	434	33	260	-	260
7203 Sand, Caliche, Gravel, Concrete etc	34,750	-	282	-	2,098	-
7215 Laundry & janitorial supplies	132	117	225	600	198	600
7225 Safety supplies	1,187	463	2,000	1,000	2,123	1,000
7283 Chemicals - chlorine	67,732	61,992	55,856	77,034	79,704	82,473
7288 Chemicals - ferric chloride	-	-	6,638	-	-	-
7293 Chemicals - other	39,282	15,876	27,108	38,087	29,268	38,087
7299 Other materials & supplies	12,244	17,113	20,966	18,000	8,919	18,000
7315 Food, meals, ice, water	513	401	485	750	390	750
7325 Rental of equip/storage/land	2,588	3,416	11,459	7,200	22,416	7,200
7335 Wearing apparel & dry goods	3,847	3,526	4,144	2,500	3,053	3,345
7415 Fuels & lubricants	7,812	21,687	22,424	13,000	10,087	13,000
7501 Maint. of buildings & structures	-	-	-	35,000	21,639	215,000
7515 Maint. of major equipment	43,485	40,171	38,783	39,500	144,663	73,272
7520 Maint. of minor equipment	710	703	469	1,500	1,271	1,000
7645 Maintenance services	62,523	24,573	23,139	19,000	10,047	21,740
7699 Other services	23,353	18,227	13,953	30,100	16,892	100,700
7801 Communication equipment	3,026	-	-	-	-	-
7810 Laboratory equipment	3,440	5,301	4,808	5,000	-	5,000
7820 Office furniture & equipment	-	-	1,588	1,400	420	600
7830 Pumping equipment	10,175	-	8,028	10,000	2,732	10,000
7899 Other minor tools & equipment	27	1,265	18	2,000	45	1,000
<i>O&M NON-PERSONNEL TOTAL</i>	790,531	680,558	684,129	781,951	802,692	1,070,648
	1,334,827	1,205,393	1,297,187	1,243,420	1,302,325	1,543,336



Department Responsibility: **Jose G. Ibarra Jr.**

Title: **Wastewater Treatment Manager**

Telephone Ext: **6500**

Dept. No: **3220**

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

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

OUTPUT MEASURES

Monthly Reports Produced
Annual Statistical Reports
Operational Budget Reports Produced

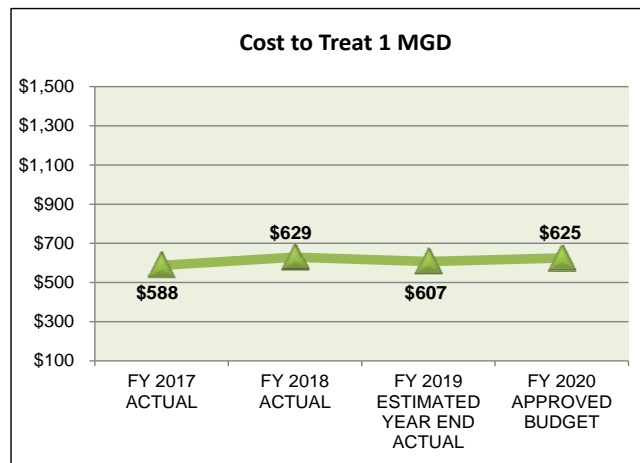
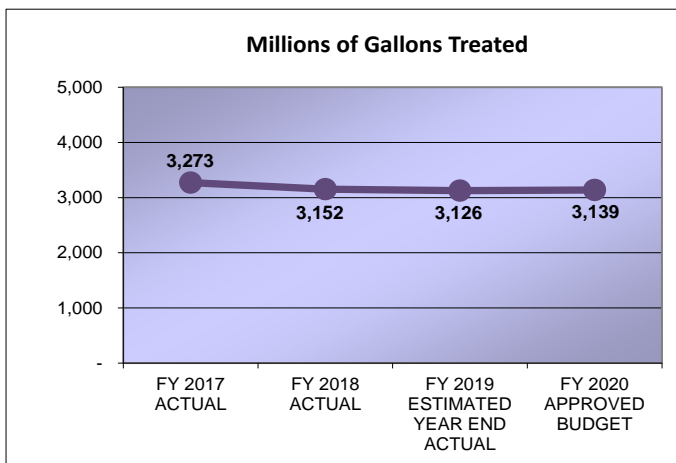
OUTCOME MEASURES

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

EFFICIENCY MEASURES

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

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
11	17	10	10
\$ 1,923,773	\$ 1,983,318	\$ 1,897,881	\$ 1,962,974
1,137	1,155	1,113	1,134
3,272,572,000	3,151,817,000	3,126,086,000	3,138,952,000
18	18	18	18
1	1	1	1
12	12	12	12
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
100%	100%	100%	100%
\$ 588	\$ 629	\$ 607	\$ 625
98.0	99.0	99.0	99.0
98.0	98.0	98.0	98.0



DEPARTMENT 3220 - ROBINDALE WASTEWATER TREATMENT PLANT

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 141,177	\$ 144,194	\$ 144,518	\$ 144,518	\$ 145,032	\$ 144,518
6110 Clerical staff	31,848	33,043	33,453	32,781	33,322	32,781
6115 Operational staff	254,374	470,869	498,610	266,178	284,092	271,544
6130 Overtime	32,415	91,176	131,202	27,966	33,427	25,930
6201 T.M.R.S.	76,952	130,566	144,472	79,249	87,844	78,413
6205 F.I.C.A.	27,907	43,837	48,292	27,496	29,773	27,828
6206 Suta	-	-	-	-	1,486	-
6210 Medicare	6,527	10,252	11,294	6,430	6,963	6,508
6214 Dental Insurance	2,889	4,484	4,547	3,069	4,748	5,849
6215 Hospitalization insurance	80,290	139,969	139,594	86,929	90,534	104,221
6220 Life Insurance	591	884	773	539	449	544
6221 Long Term Disability Insurance	1,098	1,660	549	887	668	898
6225 Workers Compensation	11,602	18,439	20,211	11,087	12,414	11,221
6230 Vacation leave	(1,872)	17,968	1,569	5,662	(17,224)	5,731
6235 Sick leave	(11,398)	56,088	(4,259)	6,229	(41,695)	6,304
6240 Educational assistance	-	-	-	-	660	1,000
6260 Vacancy Savings	-	-	-	(32,958)	-	(34,216)
<i>O&M PERSONNEL TOTAL</i>	<i>654,399</i>	<i>1,163,430</i>	<i>1,174,827</i>	<i>666,062</i>	<i>672,494</i>	<i>689,074</i>
<i>O&M NON-PERSONNEL</i>						
7110 Dues & memberships	735	659	974	746	318	746
7120 Office supplies	1,246	1,660	1,564	1,300	1,409	1,300
7130 Postage/shipping charges	2,156	2,502	2,391	2,500	2,640	2,500
7140 Training expenses	3,586	4,554	1,960	2,800	2,805	1,596
7145 Travel expenses	1,884	1,832	2,092	2,000	514	800
7180 Utilities - departmental	563,512	494,038	488,576	514,800	469,757	514,800
7201 Barricades & signs	170	302	448	300	-	300
7203 Sand, Caliche, Gravel, Concrete etc	35,370	-	2,274	-	14,855	-
7210 Landscaping/Trade a Tree Program	-	530	-	-	-	-
7215 Laundry & janitorial supplies	462	351	596	600	196	600
7225 Safety supplies	1,972	3,179	3,601	2,400	2,481	2,400
7279 Ultraviolet light system expenses	-	37,308	64,831	100,930	277,680	289,313
7286 Chemicals - deodorants	463	-	150	500	165	-
7293 Chemicals - other	34,074	24,154	30,561	64,000	37,620	64,000
7299 Other materials & supplies	12,276	28,378	28,572	32,000	13,040	32,000
7315 Food, meals, ice, water	561	925	1,230	800	640	800
7325 Rental of equip/storage/land	3,518	2,862	2,852	14,700	3,581	7,200
7335 Wearing apparel & dry goods	3,573	5,010	5,922	2,625	3,000	3,345
7415 Fuels & lubricants	10,136	8,005	48,519	15,000	4,966	15,000
7501 Maint. of buildings & structures	-	-	-	60,000	48,699	105,000
7515 Maint. of major equipment	42,365	28,793	66,762	42,000	259,923	117,000
7520 Maint. of minor equipment	4,386	5,319	778	7,500	5,300	7,500
7605 Engineering fees	1,000	-	-	-	-	-
7645 Maintenance services	63,446	47,914	29,563	42,000	48,732	55,000
7655 Hauling Services	-	-	-	-	-	-
7699 Other services	28,820	17,300	10,679	32,600	12,749	32,600
7801 Communication equipment	-	308	226	500	-	500
7805 Computer equipment	-	-	-	2,000	-	-
7810 Laboratory equipment	2,137	6,721	4,806	5,000	2,120	5,000
7820 Office furniture & equipment	50	1,662	230	1,600	1,494	600
7830 Pumping equipment	10,379	22,861	5,823	12,000	9,965	12,000
7899 Other minor tools & equipment	715	13,217	2,513	2,000	738	2,000
<i>O&M NON-PERSONNEL TOTAL</i>	<i>828,992</i>	<i>760,343</i>	<i>808,491</i>	<i>965,201</i>	<i>1,225,387</i>	<i>1,273,900</i>
	1,483,391	1,923,773	1,983,318	1,631,263	1,897,881	1,962,974



Department Responsibility: Jose G. Ibarra Jr.

Title: Wastewater Treatment Manager

Telephone Ext: 6500

Dept. No: 3225

PERFORMANCE MEASURES FOR THE WATER/WASTEWATER SLUDGE MANAGEMENT DEPARTMENT

Department Function:

The W/WW Sludge Management Department is responsible for the transportation and final disposal of sludge from the Water Treatment Plants, Wastewater Treatment Plants and Resaca Maintenance (sediment). Additionally, provides assistance to various BPUB departments with special assigned construction projects. Ensures day to day operations are in compliance with state and federal agency rules and regulations.

Department Goals/Objectives:

To cost-effectively provide superior customer service to internal and external customers. By planning and coordinating goals and objectives in accordance with PBUB's Strategic Plan. By responding to special assigned construction projects with expediency while maintaining the sludge transport and disposal services required.

INPUT MEASURES

No. Of Employees (FTE's)

Total O&M Expenses

OUTPUT MEASURES

Resaca Sediment Hauling (cu-yd)

Water Plant Sludge Hauling (cu-yd)

Wastewater Plant Bio-solids Hauling (cu-yd)

Special Project Hauling (cu-yd)

Total Cubic Yards Hauled

Number Service Request For Other Departments

OUTCOME MEASURES

Compliance With State & Federal Regulations

Operate Within Approved Budget

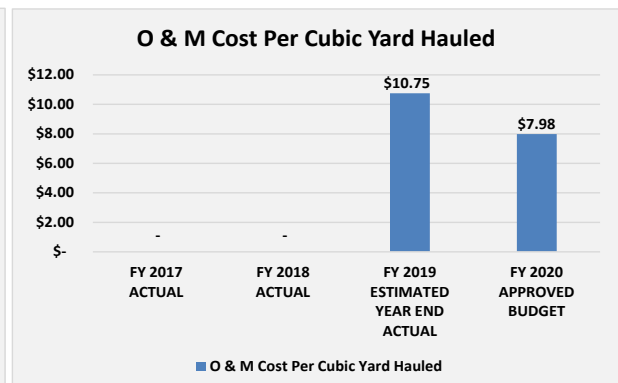
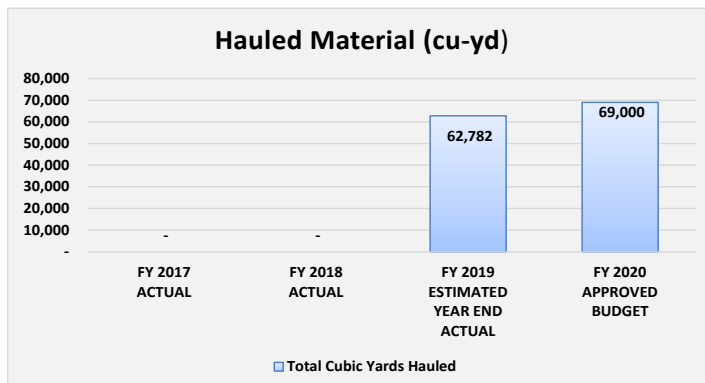
% Of Special Projects Completed On Schedule

EFFICIENCY MEASURES

O & M Cost Per Cubic Yard Hauled

Note: New department created in 2019

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
-	-	8	8
\$ -	\$ -	\$ 675,079	\$ 550,907
-	-	31,598	34,800
-	-	8,064	8,800
-	-	22,560	24,800
-	-	560	600
-	-	62,782	69,000
-	-	15	17
-	-	Yes	Yes
-	-	Yes	Yes
-	-	100%	100%
\$ -	\$ -	\$ 10.75	\$ 7.98



DEPARTMENT 3225 – WATER/WASTEWATER SLUDGE MANAGEMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6115 Operational staff	\$ -	\$ -	\$ -	\$ 277,805	\$ 294,509	\$ 281,486
6130 Overtime	-	-	-	31,253	64,133	31,667
6201 T.M.R.S.	-	-	-	49,644	63,683	49,176
6205 F.I.C.A.	-	-	-	17,224	21,014	17,452
6210 Medicare	-	-	-	4,028	4,915	4,082
6214 Dental Insurance	-	-	-	2,232	3,686	4,723
6215 Hospitalization insurance	-	-	-	75,625	74,898	86,022
6220 Life Insurance	-	-	-	347	290	351
6221 Long Term Disability Insurance	-	-	-	556	414	563
6225 Workers Compensation	-	-	-	6,945	8,966	7,037
6230 Vacation leave	-	-	-	3,547	17,379	3,594
6235 Sick leave	-	-	-	3,902	52,743	3,953
6260 Vacancy Savings	-	-	-	(21,720)	-	(22,545)
<i>O&M PERSONNEL TOTAL</i>	-	-	-	451,387	606,630	467,562
<i>O&M NON-PERSONNEL</i>						
7110 Dues & memberships	-	-	-	455	222	455
7120 Office supplies	-	-	-	300	244	240
7140 Training expenses	-	-	-	3,200	1,041	1,449
7145 Travel expenses	-	-	-	1,120	90	608
7201 Barricades & signs	-	-	-	460	-	290
7203 Sand, Caliche, Gravel, Concrete etc	-	-	-	30,000	1,482	20,000
7215 Laundry & janitorial supplies	-	-	-	200	25	160
7225 Safety supplies	-	-	-	600	402	600
7288 Chemicals - ferric chloride	-	-	-	-	406	-
7299 Other materials & supplies	-	-	-	5,000	4,337	5,000
7315 Food, meals, ice, water	-	-	-	400	256	400
7325 Rental of equip/storage/land	-	-	-	14,500	-	-
7335 Wearing apparel & dry goods	-	-	-	2,610	3,002	3,343
7415 Fuels & lubricants	-	-	-	114,998	54,505	50,000
7645 Maintenance services	-	-	-	10,000	-	-
7805 Computer equipment	-	-	-	5,400	-	-
7899 Other minor tools & equipment	-	-	-	2,000	2,439	800
<i>O&M NON-PERSONNEL TOTAL</i>	-	-	-	191,243	68,449	83,345
	-	-	-	642,630	675,079	550,907



Department Responsibility: Noe C. Hernandez

Title: W/WW 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

Power expenditures

Kilo-watt-hour usage

Labor-hours*

OUTPUT MEASURES

Million gallons of pumped wastewater

OUTCOME MEASURES

Number of customers served

EFFICIENCY MEASURES

Kilo-watt-hours to pump ww from one customer/year

Labor-hours to pump ww every 1000 customer/year

Cost to pump wastewater from one customer/year

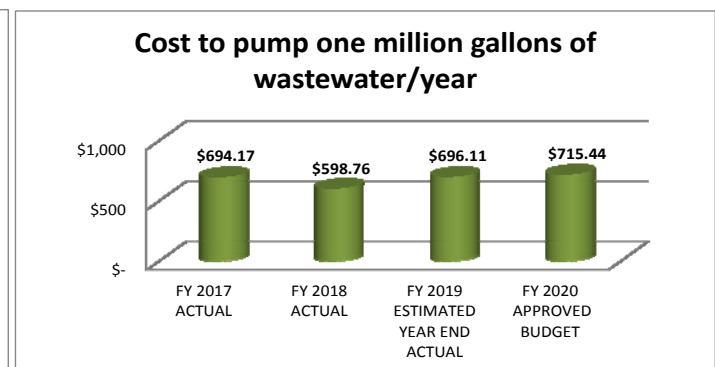
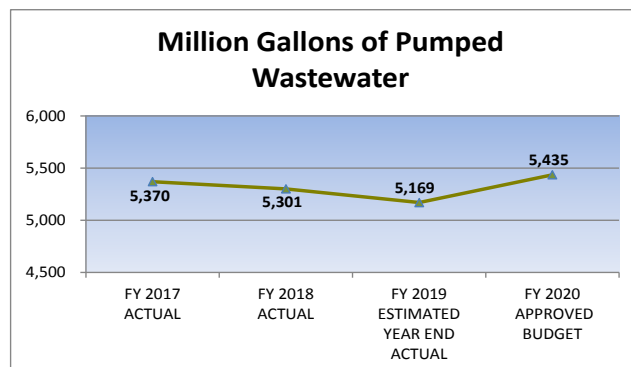
Cost to pump one million gallons of wastewater/year

No. of emergency repairs every 1000 customers/year

NOTE:

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

	FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
O&M expenditures	\$ 4,039,709	\$ 3,764,686	\$ 3,813,108	\$ 3,852,837
Power expenditures	\$ 624,396	\$ 590,000	\$ 590,000	\$ 590,000
Kilo-watt-hour usage	5,202,895	5,551,081	5,551,081	5,551,081
Labor-hours*	64,480	66,560	66,560	66,560
Million gallons of pumped wastewater	5,370	5,301	5,169	5,435
Number of customers served	50,242	50,709	51,204	52,079
Kilo-watt-hours to pump ww from one customer/year	104	109	108	107
Labor-hours to pump ww every 1000 customer/year	1,283	1,313	1,300	1,278
Cost to pump wastewater from one customer/year	\$ 74.19	\$ 62.59	\$ 70.27	\$ 74.66
Cost to pump one million gallons of wastewater/year	\$ 694.17	\$ 598.76	\$ 696.11	\$ 715.44
No. of emergency repairs every 1000 customers/year	4.1	4.7	3.2	3.4



DEPARTMENT 3230 – WASTEWATER LIFT STATIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 76,834	\$ 138,812	\$ 140,171	\$ 140,171	\$ 140,710	\$ 140,171
6110 Clerical staff	25,291	26,855	27,702	27,290	27,859	27,290
6115 Operational staff	925,468	992,469	980,454	1,072,760	987,148	1,079,499
6130 Overtime	111,483	149,429	165,750	186,256	174,572	195,091
6201 T.M.R.S.	191,625	230,412	235,709	221,549	245,701	217,844
6205 F.I.C.A.	68,605	77,582	78,289	76,894	80,815	77,312
6210 Medicare	16,045	18,144	18,310	17,983	18,900	18,081
6214 Dental Insurance	8,317	8,467	8,247	9,487	14,216	20,511
6215 Hospitalization insurance	239,519	251,025	252,730	288,547	246,806	311,843
6220 Life Insurance	1,475	1,599	1,353	1,534	1,117	1,534
6221 Long Term Disability Insurance	2,658	2,976	959	2,480	1,604	2,494
6225 Workers Compensation	29,001	32,567	33,302	31,006	33,987	31,174
6230 Vacation leave	5,134	6,604	125	15,835	6,079	15,921
6235 Sick leave	47,059	8,691	10,097	17,419	10,029	17,514
6260 Vacancy Savings	-	-	-	(94,485)	-	(96,388)
<i>O&M PERSONNEL TOTAL</i>	1,748,514	1,945,631	1,953,198	2,014,725	1,989,545	2,059,890
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	150	-	-
7110 Dues & memberships	875	2,846	899	2,100	1,940	1,000
7120 Office supplies	2,676	3,987	3,816	3,500	4,582	3,500
7130 Postage/shipping charges	140	646	1,245	1,100	73	500
7140 Training expenses	8,375	4,250	15,535	6,630	6,776	4,431
7145 Travel expenses	3,755	1,265	1,083	2,516	567	2,016
7180 Utilities - departmental	498,298	484,203	514,586	490,000	528,059	490,000
7190 Utilities - CP&L & Mvec	98,532	90,665	96,732	100,000	91,307	126,000
7203 Sand, Caliche, Gravel, Concrete etc	-	3,808	4,844	5,219	2,179	5,200
7210 Landscaping/Trade a Tree Program	-	-	-	-	350	-
7225 Safety supplies	2,494	9,811	14,201	10,000	8,307	10,000
7286 Chemicals - deodorants	7,225	8,922	8,286	11,700	11,914	16,700
7293 Chemicals - other	1,198,326	861,660	411,749	128,230	95,723	100,000
7299 Other materials & supplies	119,099	86,236	136,368	90,000	81,499	90,000
7315 Food, meals, ice, water	992	950	1,004	1,100	844	1,100
7325 Rental of equip/storage/land	25,348	19,118	20,817	30,900	24,581	31,000
7335 Wearing apparel & dry goods	12,343	13,593	15,748	13,000	11,815	13,000
7415 Fuels & lubricants	53,599	64,581	69,066	74,000	58,068	75,000
7505 Maint. of communication equipment	619	182	208	1,700	1,020	1,600
7525 Maint. of boiler plant	-	-	-	-	-	-
7574 Maintenance of wells	12,053	10,870	54,796	66,000	111,276	110,000
7605 Engineering fees	96,333	75,180	40,853	25,000	9,794	25,000
7645 Maintenance services	181,846	155,262	236,423	255,147	556,276	300,000
7699 Other services	-	-	-	-	-	150,000
7805 Computer equipment	780	266	218	500	-	500
7820 Office furniture & equipment	459	963	1,522	1,500	1,046	1,000
7830 Pumping equipment	146,814	176,184	133,707	230,000	172,763	181,000
7835 Tools, shop and garage equipment	6,865	1,924	1,345	4,400	5,783	4,400
7899 Other minor tools & equipment	12,145	16,709	26,436	22,500	37,024	50,000
<i>O&M NON-PERSONNEL TOTAL</i>	2,489,992	2,094,078	1,811,488	1,576,892	1,823,563	1,792,947
	4,238,506	4,039,709	3,764,686	3,591,617	3,813,108	3,852,837



Department Responsibility: **Alfredo J. Resendez, P.E.**

Department Manager: **Acting Engineering Manager**

Telephone Ext: **6572**

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

W/WW Engineering - Others (Engr. Techs. & OSS)

OUTPUT MEASURES

W/WW Engineering - Number of Projects Facilitated

W/WW Engineering - Number of Subdivision/Plats Reviewed*

OUTCOME MEASURES

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

W/WW Engineering - W/WW Impact Fees Invoiced in Millions \$

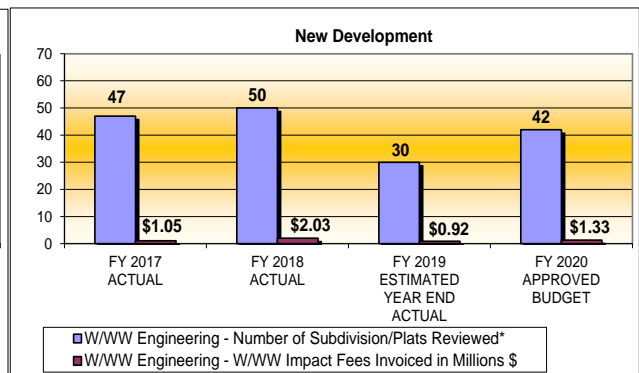
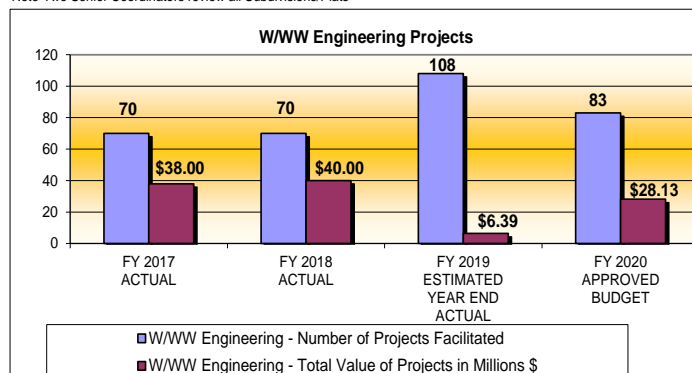
EFFICIENCY MEASURES

W/WW Engineering - Dollars in Millions Facilitated per Employee on Projects

W/WW Engineering - Amount of Subdivisions Reviewed per Employee

*Note-Two Senior Coordinators review all Subdivisions/Plats

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
9	9	7	7
3	3	3	3
-	-	-	3
70	70	108	83
47	50	30	42
\$38.00	\$40.00	\$6.39	\$28.13
\$1.05	\$2.03	\$0.92	\$1.33
\$ 3.17	\$ 3.33	\$ 0.64	\$ 2.81



DEPARTMENT 3310 - WATER & WASTEWATER ENGINEERING

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 61,969	\$ 67,683	\$ 56,136	\$ 104,545	\$ 50,106	\$ 34,657
6105 Administrative Staff	271,118	281,399	295,438	352,984	272,472	421,433
6110 Clerical staff	109,873	79,561	89,477	162,082	61,775	156,803
6130 Overtime	1,244	415	2,658	4,755	2,649	3,395
6201 T.M.R.S.	74,224	78,334	80,105	110,583	135,611	99,052
6205 F.I.C.A.	26,765	26,243	25,823	38,416	22,355	35,164
6210 Medicare	6,260	6,137	6,039	8,984	5,228	8,224
6214 Dental Insurance	1,943	1,897	1,891	2,790	3,685	6,722
6215 Hospitalization insurance	57,707	60,935	63,900	87,397	63,126	103,357
6220 Life Insurance	580	540	444	706	337	699
6221 Long Term Disability Insurance	1,145	879	369	1,239	541	1,226
6225 Workers Compensation	11,552	11,296	11,664	15,490	9,564	15,322
6230 Vacation leave	(5,717)	3,948	(6,494)	7,911	4,928	7,825
6235 Sick leave	(11,376)	2,929	(2,689)	8,702	21,362	8,608
6240 Educational assistance	-	(829)	-	-	-	-
6260 Vacancy Savings	-	-	-	(44,261)	-	(44,133)
<i>O&M PERSONNEL TOTAL</i>	607,287	621,368	624,763	862,324	653,739	858,354
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	1,500	1,356	691	2,003	96	900
7110 Dues & memberships	665	642	333	1,216	238	1,240
7115 Educational material	300	-	-	300	-	200
7120 Office supplies	9,676	12,121	10,438	17,200	11,307	11,000
7125 Photo equipment/supplies	465	370	-	800	254	800
7130 Postage/shipping charges	937	332	433	800	346	800
7135 Telephone expenses	-	-	-	-	-	456
7140 Training expenses	111	3,815	2,115	7,620	295	4,158
7145 Travel expenses	804	5,874	7,696	4,800	1,558	3,072
7225 Safety supplies	495	905	1,408	1,000	547	1,000
7299 Other materials & supplies	953	1,434	1,063	2,000	331	1,500
7315 Food, meals, ice, water	940	745	1,261	1,450	739	1,250
7325 Rental of equip/storage/land	10,069	8,619	9,069	14,000	8,143	10,000
7335 Wearing apparel & dry goods	1,502	2,121	2,458	1,810	1,539	1,238
7415 Fuels & lubricants	10,507	10,559	10,655	17,000	10,533	14,000
7505 Maint. of communication equipment	-	-	175	400	-	400
7601 Legal Fees	-	-	3,350	6,000	-	6,000
7605 Engineering fees	172,130	47,598	26,405	106,250	82,758	202,592
7630 Construction contractor services	-	-	109,000	109,000	-	-
7635 Software maintenance service fees	-	-	13,750	23,750	28,864	20,000
7645 Maintenance services	555	590	74,922	50,950	700	20,000
7699 Other services	30,622	-	10,151	21,122	4,950	21,122
7801 Communication equipment	-	-	-	400	-	400
7805 Computer equipment	218	282	150	4,000	-	-
7820 Office furniture & equipment	974	1,447	4,302	2,550	2,358	1,673
7899 Other minor tools & equipment	1,235	-	2,422	10,152	3,312	-
<i>O&M NON-PERSONNEL TOTAL</i>	244,656	98,810	292,246	406,573	158,869	323,801
	851,943	720,178	917,009	1,268,897	812,608	1,182,155



Department Responsibility: Fernando Saenz, P.E.
Title: Assistant GM & 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 has responsibility for the operational functions of all the utilities. It is the AGM & COO's responsibility to support the General Manager & CEO to execute the plans and decisions of the Board; thereby, directing and coordinating the activities of all utility employees. The AGM & COO ensures that all policies and resolutions passed by the Board are enforced and duly administered. In addition, the AGM & COO informs the General Manager & CEO and the Board of legislative matters, capital improvements, budget items, policies, and services offered to customers. The Director of Electrical Systems, Director of Operational Support Services, Director of Water/Wastewater Engineering, Planning & Operations, and NERC Compliance Manager & Chief Compliance Officer directly report to the AGM & COO.

Department Goals/Objectives:

The department's objectives are to provide our customers, both internally and externally, with economical, reliable, and responsive service. In addition, the department's goals are to:

- Identify, select, and retain a professional management team
- Conduct periodic staff meetings
- Recognize constraints and limitation of State and Industry guidelines, in addition to other applicable rules and regulations
- Efficiently direct all aspects of the utility systems
- Effectively direct Strategic Planning efforts in order to coordinate and prioritize goals and objectives

INPUT MEASURES

Employees (FTE)
 O&M Expenditures Personnel
 O&M Expenditures Non-Personnel

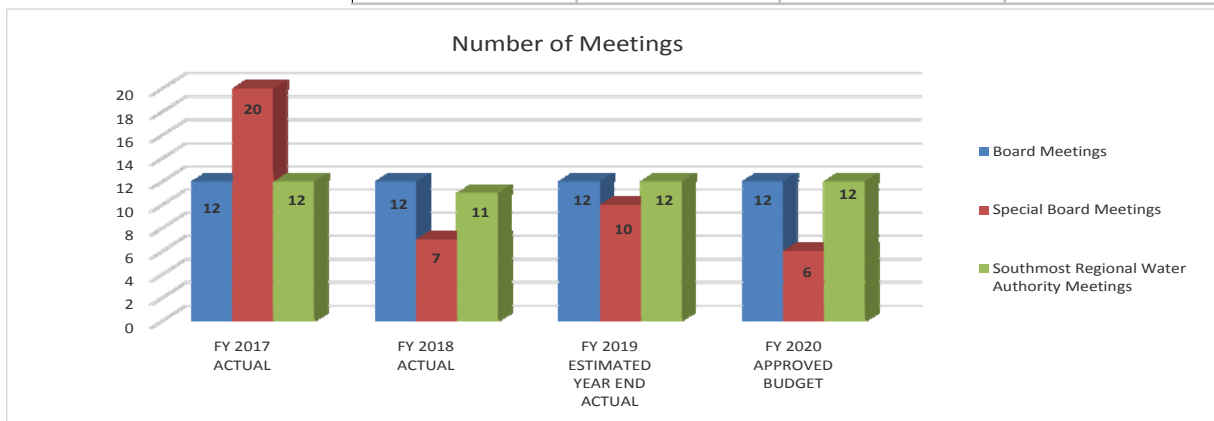
OUTPUT MEASURES

Board Meetings
 Director Meetings
 Agenda Items Reviewed

OUTCOME MEASURES

Joint Meetings with City Commission
 Joint Meetings with Port of Brownsville
 Southmost Regional Water Authority Meetings
 Special Board Meetings
 Joint Meetings with GBIC Director
 Directors/Managers Meetings

	FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
Employees (FTE)	2	2	3	3
O&M Expenditures Personnel	449,659	428,015	534,094	565,042
O&M Expenditures Non-Personnel	345,907	498,343	184,701	172,855
Board Meetings	12	12	12	12
Director Meetings	48	48	48	48
Agenda Items Reviewed	350	350	300	350
Joint Meetings with City Commission	1	-	1	4
Joint Meetings with Port of Brownsville	-	-	-	2
Southmost Regional Water Authority Meetings	12	11	12	12
Special Board Meetings	20	7	10	6
Joint Meetings with GBIC Director	-	-	-	4
Directors/Managers Meetings	10	10	10	10



DEPARTMENT 4105 – OPERATIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 211,413	\$ 258,891	\$ 264,992	\$ 264,992	\$ 287,299	\$ 369,999
6110 Clerical staff	44,999	45,865	46,005	45,157	46,051	45,157
6130 Overtime	1,403	1,646	1,480	977	1,501	977
6201 T.M.R.S.	43,956	55,990	57,807	55,424	81,026	72,528
6205 F.I.C.A.	9,901	10,452	10,522	19,229	12,321	25,740
6210 Medicare	3,744	4,483	4,609	4,497	5,000	6,020
6214 Dental Insurance	535	543	543	558	1,248	1,906
6215 Hospitalization insurance	20,233	21,146	19,163	19,532	20,781	28,134
6220 Life Insurance	323	367	316	327	244	438
6221 Long Term Disability Insurance	673	784	261	620	286	830
6225 Workers Compensation	6,657	7,910	8,079	7,754	8,781	10,379
6230 Vacation leave	(6,125)	11,125	3,428	3,960	11,473	5,301
6235 Sick leave	780	19,947	130	4,356	39,225	5,831
6242 Auto Benefits	7,492	8,827	9,000	9,000	15,692	16,500
6243 Telephone Benefits	582	1,680	1,680	1,680	3,166	3,360
6260 Vacancy Savings	-	-	-	(20,905)	-	(28,056)
<i>O&M PERSONNEL TOTAL</i>	<u>346,567</u>	<u>449,659</u>	<u>428,015</u>	<u>417,158</u>	<u>534,094</u>	<u>565,042</u>
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	200	483	700
7110 Dues & memberships	371	433	589	400	1,189	700
7120 Office supplies	2,360	2,761	1,634	1,500	4,810	4,000
7130 Postage/shipping charges	83	-	279	350	99	350
7135 Telephone expenses	169	-	-	500	1,158	2,000
7140 Training expenses	1,030	1,990	2,338	5,600	2,895	2,541
7145 Travel expenses	12,511	12,504	10,338	20,000	14,933	11,264
7225 Safety supplies	10	-	-	-	113	-
7299 Other materials & supplies	14	50	348	400	170	400
7315 Food, meals, ice, water	388	662	346	500	1,141	600
7601 Legal Fees	260,295	327,411	349,047	250,000	135,103	150,000
7635 Software maintenance service fees	-	-	-	-	-	300
7699 Other services	385	15	133,424	-	19,831	-
7805 Computer equipment	1,412	80	-	750	-	-
7806 Software licenses-new	-	-	-	-	1,694	-
7820 Office furniture & equipment	820	-	-	-	1,080	-
<i>O&M NON-PERSONNEL TOTAL</i>	<u>279,847</u>	<u>345,907</u>	<u>498,343</u>	<u>280,200</u>	<u>184,701</u>	<u>172,855</u>
	626,414	795,566	926,358	697,358	718,795	737,897



Department Responsibility: Lina Alvarez

Title: Energy Risk Manager

Telephone Ext: 6378

Dept. No: 4110

PERFORMANCE MEASURES FOR THE ENERGY RISK MANAGEMENT DEPARTMENT

Department Function:

Energy Risk Management Department (ERM) independently monitors and reports the execution of energy risk management activities results inclusive of energy transactions, new generation resources risk exposure and evaluation of new strategies to the Risk Oversight Committee (ROC). 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.

INPUT MEASURES

Total O&M Expenses

OUTPUT MEASURES:

ERM Reports (monthly) produced
Audits Produced
Developed Energy Risk Analysis
Energy Risk Management Policy Updated
Review of Other Energy Risk Management Policies
Review of Load Forecast, Generation Resource
Availability & Costs

OUTCOME MEASURES

Transaction accountability review
Increase Energy Risk Management Analysis
Establish frequent policy review
Establish a ERM Software

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
\$ 169,776	\$ 202,843	\$ 223,401	\$ 188,796
24	25	25	25
-	1	1	3
4	10	10	10
1	1	1	1
-	12	12	12
5	5	5	7
yes	yes	yes	yes
yes	yes	yes	yes
yes	yes	yes	yes
yes	yes	yes	yes

DEPARTMENT 4110 – ENERGY RISK MANAGEMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 92,618	\$ 103,456	\$ 88,837	\$ 88,837	\$ 89,178	\$ 88,837
6201 T.M.R.S.	15,443	18,256	15,887	15,875	15,797	15,520
6205 F.I.C.A.	5,739	6,354	5,512	5,508	5,519	5,508
6210 Medicare	1,342	1,486	1,289	1,288	1,291	1,288
6214 Dental Insurance	289	324	272	279	398	484
6215 Hospitalization insurance	6,565	8,035	6,004	6,167	6,249	7,015
6220 Life Insurance	121	138	94	97	79	97
6221 Long Term Disability Insurance	246	284	75	178	134	178
6225 Workers Compensation	2,319	2,582	2,221	2,221	2,229	2,221
6230 Vacation leave	4,592	(4,673)	171	1,134	(555)	1,134
6235 Sick leave	12,513	(18,447)	2,648	1,248	854	1,248
6260 Vacancy Savings	-	-	-	(6,023)	-	(6,057)
<i>O&M PERSONNEL TOTAL</i>	141,787	117,795	123,009	116,809	121,173	117,472
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	234	-	-	500	93	500
7110 Dues & memberships	116	236	283	238	285	500
7115 Educational material	-	-	687	-	-	-
7120 Office supplies	84	179	455	1,500	375	400
7130 Postage/shipping charges	-	-	-	100	152	300
7140 Training expenses	1,706	500	1,990	3,300	895	1,596
7145 Travel expenses	2,795	1,436	3,717	4,500	1,937	2,528
7225 Safety supplies	-	91	-	-	-	-
7299 Other materials & supplies	113	356	998	400	790	400
7315 Food, meals, ice, water	89	87	97	500	132	500
7699 Other services	87,455	48,509	70,743	100,000	96,868	60,000
7805 Computer equipment	-	260	585	2,000	-	1,800
7806 Software licenses-new	1,392	328	-	8,000	-	2,000
7820 Office furniture & equipment	398	-	280	300	701	800
<i>O&M NON-PERSONNEL TOTAL</i>	94,381	51,981	79,834	121,338	102,228	71,324
	236,168	169,776	202,843	238,147	223,401	188,796



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

	FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
INPUT MEASURES				
Number of Employees	5	5	5	5
O&M Personnel Expenses	\$ 453,418	\$ 466,881	\$ 454,872	\$ 457,407
O&M Non-Personnel Expenses	\$ 65,784	\$ 57,711	\$ 207,225	\$ 192,798
OUTPUT MEASURES				
Yearly Misoperations Submittals	4	4	4	4
Number of 693 Policies and Procedures Reviewed	51	54	37	37
Number of CIP Policies and Procedures Reviewed	45	10	10	10
Quarterly Awareness Submittals for Employees with access to Critical Cyber Assets	4	4	4	4
Quarterly Employee Verification Submittals for Authorized Personnel	4	4	4	4
Total Number of Online Training Hours	316	292	280	280
Number of NERC requirements	1294	913	826	826
ERCOT protocols and operating guides sections	35	35	35	35
OUTCOME MEASURES				
Number of Trainings to Provide	3	2	13	13
Review of NERC Responsibility Matrix	2	2	2	2
EFFICIENCY MEASURES				
% of NERC Compliance	100%	100%	100%	100%
% of Trainings Completed	100%	100%	100%	100%

DEPARTMENT 4210 – NERC COMPLIANCE

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 104,954	\$ 107,563	\$ 108,139	\$ 108,139	\$ 108,555	\$ 108,139
6105 Administrative Staff	126,219	174,246	190,694	190,694	191,428	190,694
6110 Clerical staff	13,779	29,792	29,152	29,765	25,224	29,765
6130 Overtime	81	214	203	312	139	258
6201 T.M.R.S.	40,905	55,142	58,692	58,721	57,848	57,406
6205 F.I.C.A.	14,747	18,745	19,696	20,373	19,532	20,373
6210 Medicare	3,449	4,384	4,606	4,765	4,568	4,765
6214 Dental Insurance	950	1,284	1,358	1,395	2,263	2,946
6215 Hospitalization insurance	28,511	38,804	41,589	42,729	41,950	48,603
6220 Life Insurance	325	411	362	372	299	372
6221 Long Term Disability Insurance	649	827	278	657	482	657
6225 Workers Compensation	6,186	7,789	8,222	8,215	8,164	8,215
6230 Vacation leave	1,686	5,145	(2,096)	4,196	(619)	4,196
6235 Sick leave	393	9,072	5,985	4,615	(4,960)	4,615
6260 Vacancy Savings	-	-	-	(23,291)	-	(23,597)
<i>O&M PERSONNEL TOTAL</i>	<u>342,835</u>	<u>453,418</u>	<u>466,881</u>	<u>451,656</u>	<u>454,872</u>	<u>457,407</u>
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	88	-	500	119	-
7110 Dues & memberships	45	45	45	300	45	100
7120 Office supplies	2,225	1,500	1,107	3,000	557	1,100
7130 Postage/shipping charges	-	-	-	150	-	-
7135 Telephone expenses	-	-	250	500	-	200
7140 Training expenses	6,375	4,105	2,100	-	-	-
7145 Travel expenses	9,335	14,102	9,201	15,200	628	8,448
7225 Safety supplies	-	-	-	200	-	150
7304 Hurricane Preparedness Expenses	-	127	-	500	-	500
7305 ERCOT expenses	37,673	43,216	42,384	250,000	200,769	175,000
7315 Food, meals, ice, water	222	609	422	700	1,541	1,000
7325 Rental of equip/storage/land	231	24	87	300	122	300
7415 Fuels & lubricants	48	-	-	-	-	-
7635 Software maintenance service fees	-	-	-	3,000	-	1,000
7805 Computer equipment	99	1,133	398	2,000	874	1,000
7806 Software licenses-new	-	-	1,402	3,000	2,528	3,000
7820 Office furniture & equipment	1,989	834	315	2,000	43	1,000
<i>O&M NON-PERSONNEL TOTAL</i>	<u>58,240</u>	<u>65,784</u>	<u>57,711</u>	<u>281,350</u>	<u>207,225</u>	<u>192,798</u>
	401,075	519,202	524,592	733,006	662,097	650,205



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, and Oklaunion power plants and the Sendero Wind Farm. Other functions include requests for proposals, requests for qualifications, departmental budgeting, and analyzing operational data, such as system load demand and generation capacity to meet BPUB requirements. The department also maintains Fuel and Energy contracts for the reliability of the electrical system.

Department Goals/Objectives:

The department's 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 Expenses
O&M Non-Personnel Expenses

OUTPUT MEASURES

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

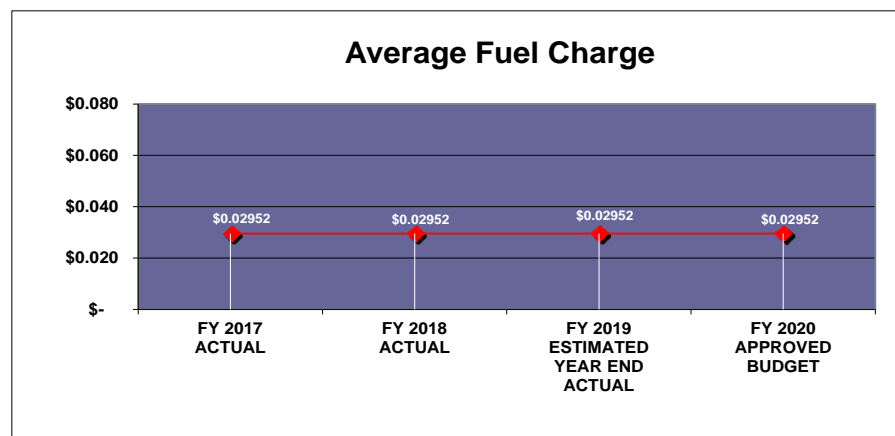
OUTCOME MEASURES

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 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
2	2	2	2
\$ 186,318	\$ 180,718	\$ 194,881	\$ 187,376
\$ 58,311,689	\$ 61,673,058	\$ 63,597,180	\$ 60,743,395
784	771	727	754
8	8	8	8
12	57	46	51
15	25	24	24
311	318	338	338
12	12	12	12
15	17	14	5
1	2	3	5
100%	100%	100%	100%
100%	100%	100%	100%
100%	100%	100%	100%
\$ 0.02952	\$ 0.02952	\$ 0.02952	\$ 0.02952



DEPARTMENT 4220 – FUEL & PURCHASED ENERGY SUPPLY

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 61,475	\$ 57,374	\$ 71,760	\$ 71,760	\$ 72,036	\$ 71,760
6105 Administrative Staff	61,285	60,495	58,947	58,947	59,174	58,947
6201 T.M.R.S.	20,273	20,870	23,376	23,357	23,243	22,835
6205 F.I.C.A.	7,114	6,809	7,572	8,104	7,558	8,104
6210 Medicare	1,664	1,592	1,771	1,895	1,768	1,895
6214 Dental Insurance	520	491	543	558	1,249	1,619
6215 Hospitalization insurance	19,612	19,108	21,145	21,725	22,024	24,712
6220 Life Insurance	160	149	143	148	120	148
6221 Long Term Disability Insurance	315	300	110	261	197	261
6225 Workers Compensation	3,073	2,947	3,268	3,268	3,280	3,268
6230 Vacation leave	(5,607)	5,551	(1,346)	1,669	547	1,669
6235 Sick leave	(2,988)	10,632	(6,571)	1,836	3,685	1,836
6260 Vacancy Savings	-	-	-	(9,501)	-	(9,677)
<i>O&M PERSONNEL TOTAL</i>	<i>166,896</i>	<i>186,318</i>	<i>180,718</i>	<i>184,027</i>	<i>194,881</i>	<i>187,376</i>
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	3,070	3,390	3,300	3,500	3,411	3,500
7110 Dues & memberships	2,000	2,000	-	2,000	-	2,000
7120 Office supplies	1,452	1,210	767	1,800	1,085	1,500
7130 Postage/shipping charges	-	24	-	200	-	200
7135 Telephone expenses	-	-	-	700	-	700
7140 Training expenses	1,596	1,596	-	-	-	-
7145 Travel expenses	1,445	908	-	-	-	-
7299 Other materials & supplies	-	-	-	-	21	-
7304 Hurricane Preparedness Expenses	-	-	-	200	-	200
7305 ERCOT expenses	75,379	514,037	1,263,351	1,250,000	688,696	1,325,000
7315 Food, meals, ice, water	44	25	25	500	25	500
7601 Legal Fees	-	-	-	50,000	-	15,000
7605 Engineering fees	-	4,524	2,575	5,000	6,563	10,000
7635 Software maintenance service fees	-	-	-	3,500	-	3,500
7701 Fuel - Natural gas - Silas Ray	644,625	1,042,911	1,073,744	1,000,000	1,235,346	1,200,000
7702 Fuel - Natural Gas - Hidalgo Energy	7,768,473	9,003,032	10,222,283	10,000,000	7,491,013	7,000,000
7704 Fuel - TETCO/Hinshaw Pipeline	600,647	631,662	664,305	650,000	551,861	500,000
7705 Fuel - Coal - Oklaunion	7,500,314	6,380,124	7,538,764	5,000,000	9,304,377	10,000,000
7706 Fuel-Diesel-Distributed Generation	-	-	-	35,000	-	35,000
7707 Fuel - Diesel oil - Oklaunion	171,250	180,013	62,776	50,000	197,593	150,000
7708 Fuel - Natural Gas Tramp-SilasRay	53,643	93,473	-	-	79,090	-
7708 Fuel-Natural Gas Tramp-Silas Ray	-	-	97,237	100,000	7,979,936	120,000
7714 Pchp - Wind Resources	8,915,000	10,454,540	9,091,589	9,000,000	6,936,621	9,000,000
7720 Pchp - Resource Imbalance	789,572	1,649,817	1,515,735	3,000,000	6,027,609	3,000,000
7721 Pchp - Economy power	8,984,607	8,679,811	11,982,163	11,000,000	-	6,000,000
7726 Pchp - Bilateral Energy Expns-Gas	-	-	-	10,000	-	10,000
7727 Pchp - Bilateral Energy-Gas Transp	-	-	-	1,000	-	1,000
7728 Pchp - Bilateral Energy Exp-Coal	-	-	-	10,000	8,043,011	10,000
7729 Pchp - TCOS (Wheeling)	7,935,284	8,328,774	8,032,710	8,500,000	3,159,197	8,500,000
7733 Pchp - Bilateral Ancillary Services	1,198,774	1,224,823	2,080,658	1,800,000	402,416	1,800,000
7736 Pchp - QSE Charges	383,500	399,050	400,703	420,000	1,119,473	420,000
7737 Pchp - Ercot Charges	1,046,865	1,339,038	1,432,188	1,400,000	2,122,757	1,300,000
7738 Pchp - CSC Congestion Cost (CSCBE)	927,058	3,911,871	588,547	1,500,000	495,848	2,500,000
7740 Power marketing services	283,249	148,389	318,562	300,000	2,676,969	300,000
7750 Pchp - Real Time Energy - Wind	-	1,094,964	1,467,415	1,500,000	-	1,500,000
7751 Pchp - Reliability Unit Cmt Exp-Gas	98,846	99,641	47,274	150,000	-	150,000
7752 Pchp - Reliab Unit Cmt - Gas Transp	12,632	6,953	3,319	15,000	276,008	15,000
7753 Pchp - Day Ahead Energy Exp-Gas	848,692	70,284	66,202	500,000	24,245	500,000
7754 Pchp - Day Ahead Energy-Gas Transp	94,746	6,558	4,228	50,000	2,677,424	50,000
7755 Pchp - Real Time Energy Exp-Gas	1,668,337	1,721,091	1,411,322	1,500,000	185,027	3,000,000
7756 Pchp - Real Time Energy - Gas Transp	171,278	128,448	101,511	150,000	-	300,000
7757 Pchp - Reliab Unit Cmt - Coal	-	-	-	10,000	-	10,000
7758 Pchp - Day Ahead Energy-Coal	-	-	-	10,000	1,424,261	10,000
7759 Pchp - Real Time Energy - Coal	1,641,154	1,188,008	2,199,805	1,500,000	487,155	2,000,000
7805 Computer equipment	40	-	-	1,900	-	85
7806 Software licenses-new	5,190	-	-	-	-	-
7820 Office furniture & equipment	-	700	-	2,700	142	210
<i>O&M NON-PERSONNEL TOTAL</i>	<i>51,828,764</i>	<i>58,311,689</i>	<i>61,673,058</i>	<i>60,483,000</i>	<i>63,597,180</i>	<i>60,743,395</i>
	51,995,660	58,498,007	61,853,776	60,667,027	63,792,061	60,930,771



Department Responsibility: Fernando Saenz, P.E.

Title: Assistant GM & COO

Telephone Ext: 6266

Dept. No: 4230

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

Department Function:

The department is responsible for the management of the proposed natural gas pipeline.

Department Goals/Objectives:

The Department will ensure compliance with all applicable federal, state, and local laws and regulations.

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	250	-	-
7120 Office supplies	-	-	-	1,500	-	-
7130 Postage/shipping charges	-	-	-	350	-	-
7315 Food, meals, ice, water	-	-	-	500	-	-
7605 Engineering fees	-	-	-	25,000	-	5,000
<i>O&M NON-PERSONNEL TOTAL</i>	-	-	-	27,600	-	5,000
	-	-	-	27,600	-	5,000

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

**PERFORMANCE MEASURES
FOR THE
OPERATIONAL SUPPORT SERVICES DEPARTMENT**

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 Operational Support Services Division.

Department Goals/Objectives:

The department's objectives are to provide our customers, both internally and externally, with economical, reliable, and quality service to effectively direct Strategic Planning efforts in order to coordinate and prioritize goals and objectives for Electrical, Water and Wastewater Services. Recognize constraints and limitations of State and Industry guidelines in addition to other applicable rules and regulations and keeping the company in compliance with said rules and regulations. Conduct periodic staff meetings and workshops in order to keep staff up to date with industry rules, regulations and standards.

The performance measures of this division are measured through the performance indicators associated with the departments within the division. The departments of that make up this division are as follows:

2210-SCADA & ELECTRICAL SUPPORT SERVICES	3220-ROBINDALE WASTEWATER TREATMENT PLANT
3120-WATER PLANT I	3225-W/WW SLUDGE MANAGEMENT
3130-WATER PLANT II	4110-ENERGY RISK MANAGEMENT
3135-RESACA MAINTENANCE	7135-GEOGRAPHICAL INFORMATION SYSTEMS/RIGHT-OF-WAY
3140-RAW WATER SUPPLY	7150-FLEET MANAGEMENT
3210-SOUTH WASTEWATER TREATMENT PLANT	3190-SOUTHMOST REGIONAL WATER AUTHORITY (92.91% BPUB OWNERSHIP)

	FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
INPUT MEASURES				
Employees (FTE)	2	2	1	1
O&M Expenditures Personnel				
O&M Expenditures Non-Personnel				
OUTPUT MEASURES				
Meeting with COO And Divisional Directors - Daily	185	190	60	0
Meeting with Operations Directors - Bi-Weekly	0	0	65	80
Meeting with OSS Upper Management - Weekly		48	47	52
Meeting with OSS Division Management - Quarterly	0	0	4	4
Directors Meeting with Executive Management - Weekly	48	48	48	52
OUTCOME MEASURES				
Meeting with OSS Management - Monthly	0	60	55	72
Directors and Managers Meeting - Monthly	10	10	10	10
PUBCAP Meeting - Monthly	10	10	10	10
BPUB Board Meeting/Special Board Meetings	32	19	22	18
SRWA Board Meeting - Monthly	12	12	12	12

DEPARTMENT 4310 – OPERATIONAL SUPPORT SERVICES

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 319,191	\$ 360,461	\$ 359,381	\$ 370,843	\$ 363,524	\$ 342,514
6110 Clerical staff	36,080	36,671	37,045	36,421	34,626	63,440
6130 Overtime	796	1,158	1,046	1,051	1,502	858
6201 T.M.R.S.	61,145	72,001	72,616	72,778	72,486	70,920
6205 F.I.C.A.	20,069	22,787	23,091	25,250	23,392	25,169
6210 Medicare	5,184	5,737	5,726	5,905	5,779	5,886
6214 Dental Insurance	960	1,062	1,056	1,116	2,260	3,426
6215 Hospitalization insurance	31,069	35,132	34,971	36,871	36,516	48,984
6220 Life Insurance	442	502	415	442	346	446
6221 Long Term Disability Insurance	907	1,048	335	815	554	812
6225 Workers Compensation	9,140	10,173	10,155	10,182	10,230	10,149
6230 Vacation leave	9,790	2,117	820	5,200	(1,343)	5,183
6235 Sick leave	54,917	915	1,224	5,720	(5,122)	5,702
6242 Auto Benefits	7,493	7,500	7,500	7,500	7,788	7,500
6243 Telephone Benefits	1,679	1,680	1,680	1,680	1,745	1,680
6260 Vacancy Savings	-	-	-	(28,031)	-	(28,587)
<i>O&M PERSONNEL TOTAL</i>	558,860	558,946	557,063	553,742	554,282	564,082
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	200	-	200
7110 Dues & memberships	107	1,095	231	765	400	500
7115 Educational material	-	-	-	500	-	500
7120 Office supplies	1,939	1,753	1,960	2,000	2,161	2,000
7130 Postage/shipping charges	160	70	139	200	47	200
7140 Training expenses	1,510	660	2,815	4,090	3,713	3,717
7145 Travel expenses	8,620	3,340	5,717	3,926	10,734	7,584
7225 Safety supplies	-	30	59	250	-	250
7299 Other materials & supplies	152	6	-	400	32	200
7304 Hurricane Preparedness Expenses	-	83	-	-	-	-
7315 Food, meals, ice, water	2,968	2,883	3,157	3,500	2,516	3,500
7601 Legal Fees	8,559	8,369	8,744	7,500	2,690	7,500
7605 Engineering fees	-	-	-	10,000	-	-
7699 Other services	6,350	180	9,191	1,050,000	354,041	1,000,000
7801 Communication equipment	960	-	-	-	-	-
7805 Computer equipment	948	-	310	-	-	-
7820 Office furniture & equipment	2,273	2,993	-	-	1,058	900
<i>O&M NON-PERSONNEL TOTAL</i>	34,545	21,462	32,323	1,083,331	377,390	1,027,051
	593,405	580,408	589,386	1,637,073	931,672	1,591,133



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)
Total O&M Expenses
Annual Financial Plan
Annual Capital Plan

OUTPUT MEASURES

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

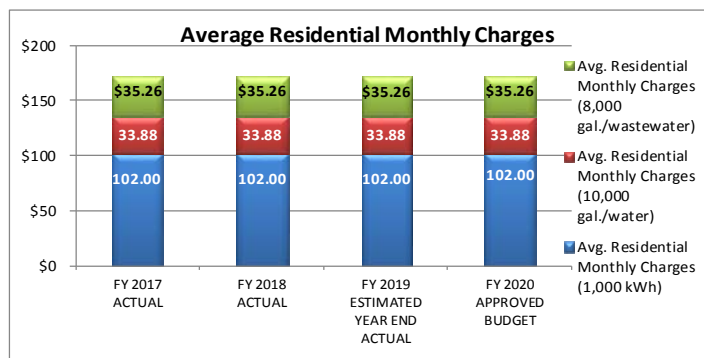
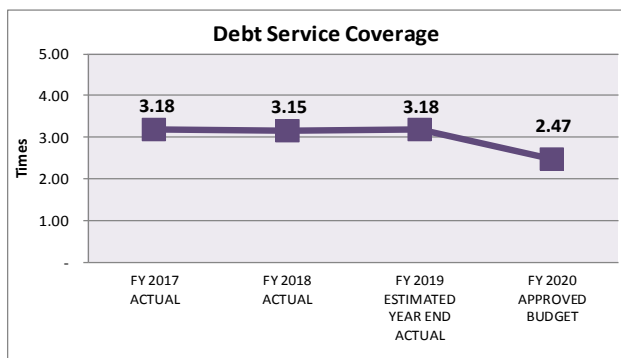
OUTCOME MEASURES

Maintain Three-Month Operating Reserve
Bond Rating Desired: A (Fitch / Moody's / S&P)
Debt Service Coverage (Goal: 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 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
7	7	8	9
\$ 952,462	\$ 1,123,472	\$ 1,086,956	\$ 1,180,628
\$ 205,913,785	\$ 219,718,683	\$ 223,196,898	\$ 222,405,110
\$ 59,558,201	\$ 61,267,696	\$ 67,566,077	\$ 96,682,313
52	52	52	52
4	4	4	4
12	12	12	12
49,287	50,030	50,786	51,157
50,531	51,148	51,824	52,212
50,433	51,471	52,246	52,648
Yes	Yes	Yes	Yes
A+ / A2 / A+	A+ / A2 / A+	A+ / A2 / A+	A+ / A2 / A+
3.18	3.15	3.18	2.47
Yes	Yes	Yes	Yes
Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes
\$ 102.00	\$ 102.00	\$ 102.00	\$ 102.00
\$ 33.88	\$ 33.88	\$ 33.88	\$ 33.88
\$ 35.26	\$ 35.26	\$ 35.26	\$ 35.26



DEPARTMENT 5110 – FINANCE

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 297,843	\$ 347,225	\$ 356,345	\$ 356,406	\$ 357,354	\$ 356,406
6105 Administrative Staff	138,615	111,488	106,881	133,039	140,496	176,615
6110 Clerical staff	41,499	41,997	42,055	41,205	42,085	71,074
6130 Overtime	1,507	656	1,013	1,486	792	1,486
6201 T.M.R.S.	81,022	90,069	91,901	94,827	109,868	105,535
6205 F.I.C.A.	24,300	23,531	23,644	32,900	25,890	37,454
6206 Suta	-	-	-	-	2,355	-
6210 Medicare	6,876	7,234	7,317	7,694	7,777	8,759
6214 Dental Insurance	1,766	1,614	1,564	1,758	3,507	5,516
6215 Hospitalization insurance	53,687	49,937	45,886	50,496	56,465	79,153
6220 Life Insurance	628	637	535	585	458	675
6221 Long Term Disability Insurance	1,257	(104)	(295)	1,061	642	1,208
6225 Workers Compensation	13,928	14,144	13,552	13,266	13,832	15,102
6230 Vacation leave	1,506	11,755	(1,479)	6,775	1,171	7,713
6235 Sick leave	8,791	20,080	6,965	7,453	9,138	8,485
6242 Auto Benefits	7,455	8,827	9,000	9,000	9,346	9,000
6260 Vacancy Savings	-	-	-	(36,662)	-	(42,875)
<i>O&M PERSONNEL TOTAL</i>	680,682	729,089	704,882	721,290	781,176	841,306
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	530	830	968	1,500	779	1,500
7110 Dues & memberships	4,037	3,123	4,543	1,500	3,302	3,000
7115 Educational material	-	101	357	200	-	200
7120 Office supplies	24,313	20,802	23,491	25,000	18,255	15,000
7130 Postage/shipping charges	803	697	422	1,000	587	750
7140 Training expenses	13,399	6,506	8,616	15,320	10,905	6,972
7145 Travel expenses	10,872	8,169	13,213	17,056	8,127	9,600
7147 Mileage Reimbursement (InTownExp)	-	48	45	200	29	150
7199 Miscellaneous office expenses	-	-	422	-	27	50
7225 Safety supplies	-	9	-	-	-	-
7299 Other materials & supplies	30	120	3,410	300	28	100
7315 Food, meals, ice, water	3,739	1,551	4,088	2,500	316	1,500
7325 Rental of equip/storage/land	8,618	7,662	7,255	10,000	6,677	12,000
7415 Fuels & lubricants	40	-	-	-	15	-
7601 Legal Fees	974	413	7,969	25,000	46,345	25,000
7605 Engineering fees	32,823	32,351	102,105	50,000	50,585	50,000
7610 Financial advisor services	63,669	60,000	131,850	85,000	45,000	85,000
7615 External auditor fees	58,000	50,000	56,500	60,000	56,500	85,000
7699 Other services	24,078	26,159	48,965	30,000	57,411	40,000
7801 Communication equipment	-	238	-	-	-	-
7805 Computer equipment	207	-	530	530	-	2,000
7806 Software licenses-new	312	-	1,459	-	658	300
7820 Office furniture & equipment	8,350	4,592	2,382	1,200	234	1,200
<i>O&M NON-PERSONNEL TOTAL</i>	254,793	223,373	418,590	326,306	305,780	339,322
	935,475	952,462	1,123,472	1,047,596	1,086,956	1,180,628



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



Department Responsibility: Miguel A. Perez

Title: Director of Finance

Telephone Ext: 6187

Dept. No: 5120

**PERFORMANCE MEASURES
FOR THE
ACCOUNTING DEPARTMENT**

Department Function:

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

Department Goals/Objectives:

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

INPUT MEASURES

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

OUTPUT MEASURES

Percentage of Invoice Pd. Within 30 days
Percentage of Payrolls Processed Timely
No. of Bank Accounts Reconciled Annually
No. of Financial Stmts Produced Annually
Dollar Recorded for Capital Asset Additions

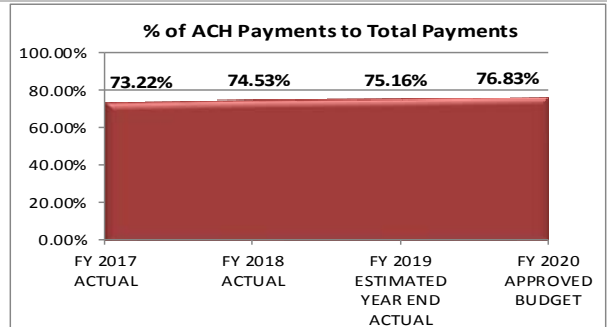
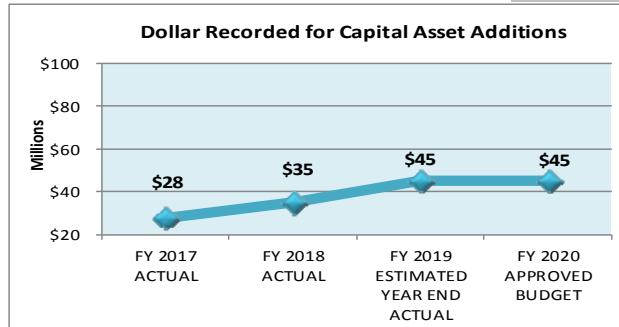
OUTCOME MEASURES

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

EFFICIENCY MEASURES

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

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
2,089	2,119	1,971	1,900
5,711	6,199	5,964	6,300
18,344	19,064	19,058	19,100
1,482	1,500	1,506	1,510
4,652	5,056	4,866	4,900
\$ 597,697,513	\$ 601,333,450	\$ 616,000,000	\$ 631,000,000
91%	92%	92%	90%
100%	100%	100%	100%
324	324	324	324
12	12	12	12
\$ 27,856,107	\$ 34,913,981	\$ 45,000,000	\$ 45,000,000
73.22%	74.53%	75.16%	76.83%
99.95%	99.91%	99.92%	99.95%
100.00%	100.00%	100.00%	100.00%
100.00%	100.00%	100.00%	100.00%
Yes	Yes	Yes	Yes
\$ 178,974	\$ 175,200	\$ 186,300	\$ 186,800
\$ 54,124	\$ 54,124	\$ 54,300	\$ 54,500
4.8	4.9	4.8	4.8
\$ 266,738	\$ 277,757	\$ 277,800	\$ 277,800
\$ 130,990	\$ 127,216	\$ 138,500	\$ 138,600



DEPARTMENT 5120 - ACCOUNTING

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 229,010	\$ 299,567	\$ 303,618	\$ 294,994	\$ 296,380	\$ 294,994
6105 Administrative Staff	159,413	152,591	148,475	193,980	160,178	187,066
6110 Clerical staff	176,743	165,507	194,189	187,034	219,559	188,415
6130 Overtime	3,700	2,290	2,192	2,729	1,994	3,103
6201 T.M.R.S.	97,108	111,892	117,384	120,803	150,488	117,132
6205 F.I.C.A.	34,046	37,347	39,155	41,912	40,826	41,569
6210 Medicare	8,115	8,828	9,173	9,802	464	9,722
6214 Dental Insurance	3,235	3,375	3,546	3,906	9,557	8,983
6215 Hospitalization insurance	95,429	98,962	105,073	114,883	7,119	129,274
6220 Life Insurance	782	838	728	797	115,033	790
6221 Long Term Disability Insurance	1,492	(1,695)	(1,145)	1,352	654	1,341
6225 Workers Compensation	17,594	19,234	18,075	16,900	1,005	16,762
6230 Vacation leave	(2,095)	11,374	4,038	8,631	17,316	8,561
6235 Sick leave	12,184	22,465	13,505	9,495	3,375	9,417
6240 Educational assistance	-	-	-	3,000	5,724	17,460
6242 Auto Benefits	7,489	7,500	7,500	7,500	5,483	7,500
6243 Telephone Benefits	1,678	1,680	1,680	1,680	7,788	1,680
6260 Vacancy Savings	-	-	-	(49,318)	1,745	(49,802)
<i>O&M PERSONNEL TOTAL</i>	845,922	941,756	967,186	970,080	1,044,689	993,967
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	735	1,063	819	920	980	955
7110 Dues & memberships	580	3,080	3,666	580	1,999	580
7120 Office supplies	10,493	9,094	10,458	9,250	9,457	10,800
7130 Postage/shipping charges	84	229	103	300	195	300
7135 Telephone expenses	238	-	-	-	-	-
7140 Training expenses	5,549	2,930	3,975	4,690	2,993	3,780
7145 Travel expenses	6,147	3,579	2,153	6,790	7,221	3,808
7147 Mileage Reimbursement (InTownExp)	-	38	3	132	28	132
7225 Safety supplies	18	-	-	75	-	75
7299 Other materials & supplies	-	52	40	100	699	100
7301 Bad debt expense	1,050	27	-	-	-	-
7315 Food, meals, ice, water	1,040	868	1,134	1,273	692	1,273
7325 Rental of equip/storage/land	-	-	-	-	1,320	1,668
7335 Wearing apparel & dry goods	100	116	135	120	42	339
7635 Software maintenance service fees	5,234	6,846	4,142	5,994	8,914	6,039
7699 Other services	8,900	16,567	9,803	19,300	17,666	62,900
7805 Computer equipment	-	652	-	-	-	-
7806 Software licenses-new	479	-	113	300	131	300
7820 Office furniture & equipment	10,797	6,726	3,919	800	174	2,844
<i>O&M NON-PERSONNEL TOTAL</i>	51,444	51,868	40,463	50,624	52,511	95,892
	897,366	993,624	1,007,649	1,020,704	1,097,200	1,089,859



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.

INPUT MEASURES

Employees
O&M Personnel Expenses
O&M Non-Personnel Expenses
Total O&M Expenses

OUTPUT MEASURES

Purchasing Requisitions
P-Card Cardholders

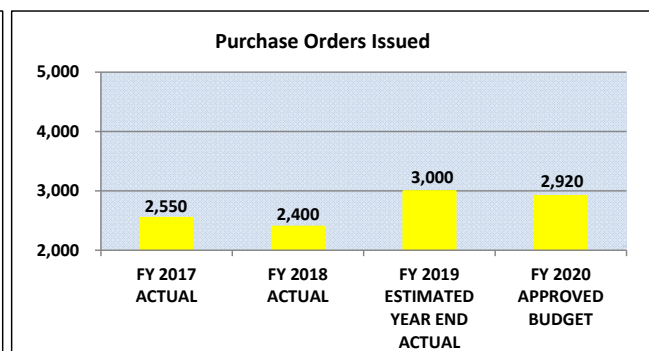
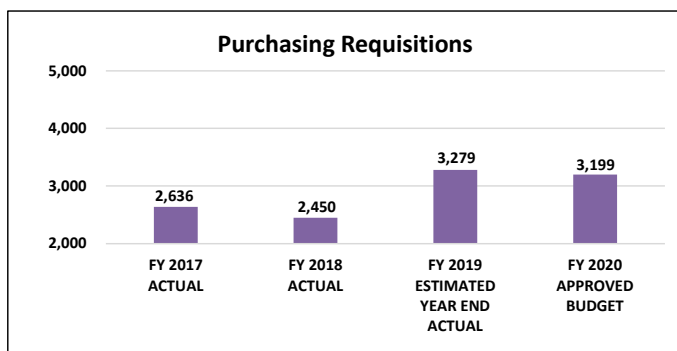
OUTCOME MEASURES

Purchase Orders Issued
P-Card Cardholders vs No. Employees

EFFICIENCY MEASURES

Reduce No. of Requisitions and P.O.'s Issued
Checks Per Month (P-card usage)
Number of checks vs number of p card merchants

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
7	7	7	7
\$ 510,723	\$ 503,210	\$ 491,366	\$ 487,069
\$ 78,057	\$ 68,492	\$ 65,625	\$ 71,690
\$ 588,780	\$ 571,702	\$ 556,991	\$ 558,759
2,636	2,450	3,279	3,199
130	124	110	110
2,550	2,400	3,000	2,920
124 vs 585 (22%)	124 vs 591 (21%)	124 vs 591 (21%)	110 vs 594 (19%)
86	50	50	80
170 vs 615	150 vs 645	150 vs 645	73 vs 462



DEPARTMENT 5130 – PURCHASING

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 82,645	\$ 84,280	\$ 84,469	\$ 84,469	\$ 84,794	\$ 84,469
6105 Administrative Staff	158,880	212,896	222,622	222,621	223,479	222,621
6110 Clerical staff	22,376	28,754	31,154	31,117	31,294	31,117
6130 Overtime	42	11	63	67	65	90
6140 Severance Pay	43,704	-	-	-	-	-
6201 T.M.R.S.	48,347	57,644	60,502	60,437	60,162	59,085
6205 F.I.C.A.	17,199	19,218	19,949	20,969	20,001	20,969
6206 Suta	-	14,712	5,698	-	-	-
6210 Medicare	4,022	4,494	4,666	4,904	4,678	4,904
6214 Dental Insurance	1,555	1,859	1,899	1,953	3,826	4,891
6215 Hospitalization insurance	47,127	57,340	58,411	60,068	59,117	65,479
6220 Life Insurance	374	449	389	399	330	399
6221 Long Term Disability Insurance	711	872	287	676	506	676
6225 Workers Compensation	6,677	8,234	8,458	8,455	8,491	8,455
6230 Vacation leave	(3,152)	4,677	2,569	4,318	(707)	4,318
6235 Sick leave	4,927	15,283	2,075	4,750	(4,668)	4,750
6260 Vacancy Savings	-	-	-	(24,803)	-	(25,153)
<i>O&M PERSONNEL TOTAL</i>	435,433	510,723	503,210	480,400	491,366	487,069
<i>O&M NON-PERSONNEL</i>						
7101 Advertising	25,315	24,049	30,830	25,000	30,625	30,000
7105 Books & periodicals	192	-	219	285	-	315
7110 Dues & memberships	360	746	1,025	835	720	835
7120 Office supplies	3,406	3,462	3,419	4,000	3,618	4,000
7130 Postage/shipping charges	62	261	102	300	227	300
7140 Training expenses	-	1,650	795	900	675	1,218
7145 Travel expenses	-	192	1,737	4,060	757	1,472
7180 Utilities - departmental	11,464	10,632	10,967	11,000	10,720	11,000
7215 Laundry & janitorial supplies	254	198	112	250	257	250
7299 Other materials & supplies	3,051	808	1,724	1,200	728	1,000
7304 Hurricane Preparedness Expenses	-	629	-	-	-	-
7315 Food, meals, ice, water	232	174	200	300	180	300
7325 Rental of equip/storage/land	4,421	4,018	3,818	4,300	3,849	4,300
7415 Fuels & lubricants	99	56	119	-	137	-
7599 Maintenance / other	3,361	17,442	3,870	12,000	2,808	5,000
7635 Software maintenance service fees	-	-	8,747	9,625	8,747	9,625
7645 Maintenance services	2,676	-	-	500	-	500
7805 Computer equipment	-	-	-	-	404	1,200
7806 Software licenses-new	-	10,770	113	-	131	-
7820 Office furniture & equipment	10,221	2,969	695	-	1,043	375
<i>O&M NON-PERSONNEL TOTAL</i>	65,115	78,057	68,492	74,555	65,625	71,690
	500,548	588,780	571,702	554,955	556,991	558,759



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



Department Responsibility: Miguel A. Perez

Title: Director of Finance

Telephone Ext: 6187

Dept. No: 5140

**PERFORMANCE MEASURES
FOR THE
REVENUE RECOVERY DEPARTMENT**

Department Function:

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

Department Goals/Objectives:

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

INPUT MEASURES

Employees

O&M Personnel Expenses

O&M Non-Personnel Expenses

OUTPUT MEASURES

No. of Accounts Proactively Investigated

No. of Tampering Incidents Reported Internally

No. of Tampering Incidents Reported thru Hotline

Total Number of Tamperings Reported

No. of Tampering Incidents Confirmed

OUTCOME MEASURES

Value of Tampering Fees - Commerical Accts

Value of Backbillings - Commercial Accts

Value of Tampering Fees - Residential Accts

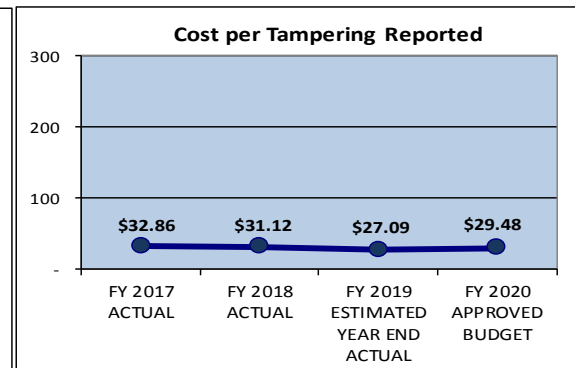
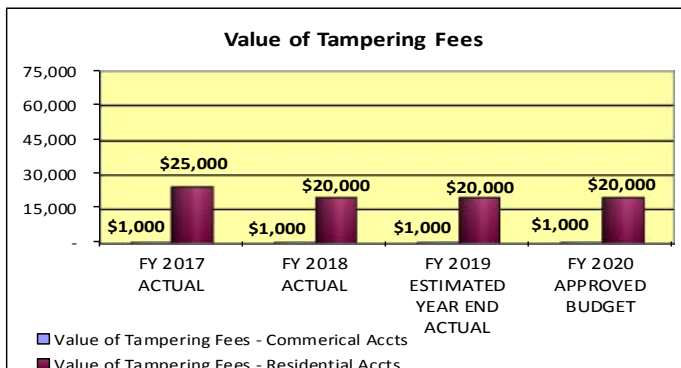
Value of Backbillings - Residential Accts

EFFICIENCY MEASURES

Cost per Tampering Reported

Ratio of Revenue Recovered to Cost

	FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
Employees	3	3	3	3
O&M Personnel Expenses	\$ 192,766	\$ 199,581	\$ 196,438	\$ 200,821
O&M Non-Personnel Expenses	\$ 13,147	\$ 21,176	\$ 15,310	\$ 20,281
No. of Accounts Proactively Investigated	6,267	7,093	7,816	7,500
No. of Tampering Incidents Reported Internally	100	102	83	100
No. of Tampering Incidents Reported thru Hotline	4	6	6	10
Total Number of Tamperings Reported	108	108	89	110
No. of Tampering Incidents Confirmed	43	36	31	50
Value of Tampering Fees - Commerical Accts	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000
Value of Backbillings - Commercial Accts	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000
Value of Tampering Fees - Residential Accts	\$ 25,000	\$ 20,000	\$ 20,000	\$ 20,000
Value of Backbillings - Residential Accts	\$ 125,000	\$ 100,000	\$ 100,000	\$ 100,000
Cost per Tampering Reported	\$ 32.86	\$ 31.12	\$ 27.09	\$ 29.48
Ratio of Revenue Recovered to Cost	\$ 1.34	\$ 1.78	\$ 1.71	\$ 1.78



DEPARTMENT 5140 – REVENUE RECOVERY

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 50,457	\$ 51,696	\$ 51,813	\$ 51,813	\$ 52,012	\$ 51,813
6115 Operational staff	81,033	77,720	83,139	83,013	83,424	83,013
6130 Overtime	47	296	372	1,197	215	1,197
6201 T.M.R.S.	21,898	22,360	24,201	24,093	24,030	23,554
6205 F.I.C.A.	7,842	7,427	7,942	8,359	7,922	8,359
6210 Medicare	1,834	1,737	1,857	1,955	1,853	1,955
6214 Dental Insurance	804	759	814	837	1,649	2,103
6215 Hospitalization insurance	23,965	24,779	27,139	27,892	28,290	31,727
6220 Life Insurance	184	178	156	161	133	161
6221 Long Term Disability Insurance	348	343	114	270	203	270
6225 Workers Compensation	3,300	3,159	3,383	3,371	3,391	3,371
6230 Vacation leave	469	295	(196)	1,721	570	1,721
6235 Sick leave	(656)	2,016	(1,154)	1,894	(7,253)	1,894
6260 Vacancy Savings	-	-	-	(10,088)	-	(10,316)
<i>O&M PERSONNEL TOTAL</i>	<u>191,527</u>	<u>192,766</u>	<u>199,581</u>	<u>196,487</u>	<u>196,438</u>	<u>200,821</u>
<i>O&M NON-PERSONNEL</i>						
7110 Dues & memberships	-	-	75	675	525	675
7120 Office supplies	1,014	1,102	352	2,000	1,020	2,120
7125 Photo equipment/supplies	246	-	-	-	-	-
7140 Training expenses	-	400	400	400	425	378
7145 Travel expenses	-	66	1,303	1,741	56	992
7220 Medical supplies	20	-	-	100	-	100
7225 Safety supplies	168	820	92	1,385	529	2,333
7299 Other materials & supplies	4,272	2,418	6,350	8,902	4,571	6,000
7315 Food, meals, ice, water	157	116	52	578	46	578
7325 Rental of equip/storage/land	2,100	2,100	2,100	2,100	2,100	2,100
7335 Wearing apparel & dry goods	2,228	2,439	3,737	2,163	2,670	1,830
7415 Fuels & lubricants	2,565	3,244	3,759	3,000	3,367	3,000
7820 Office furniture & equipment	-	441	444	-	-	-
7835 Tools, shop and garage equipment	343	-	-	-	-	-
7899 Other minor tools & equipment	60	-	2,512	400	-	175
<i>O&M NON-PERSONNEL TOTAL</i>	<u>13,173</u>	<u>13,147</u>	<u>21,176</u>	<u>23,444</u>	<u>15,310</u>	<u>20,281</u>
	204,700	205,913	220,757	219,931	211,748	221,102



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



Department Responsibility: Eddy Hernandez

Title: Director of Customer Serv/Info Tech

Telephone Ext: 6130

Dept. No: 6105

**PERFORMANCE MEASURES
FOR THE
CUSTOMER & INFORMATION SERVICES DEPARTMENT**

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 1125 - Key Account Marketing, 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 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 125,724	\$ 133,646	\$ 136,677	\$ 136,677	\$ 137,202	\$ 136,677
6110 Clerical staff	58,591	59,276	59,225	58,614	59,632	58,614
6130 Overtime	184	441	397	792	368	634
6201 T.M.R.S.	31,894	34,542	36,747	34,899	36,622	34,117
6205 F.I.C.A.	10,700	11,065	11,598	12,108	11,630	12,108
6210 Medicare	2,760	2,782	2,939	2,832	2,950	2,832
6214 Dental Insurance	802	782	813	837	1,393	1,854
6215 Hospitalization insurance	21,584	20,783	20,398	21,004	22,114	26,738
6220 Life Insurance	248	252	215	221	182	221
6221 Long Term Disability Insurance	489	506	165	391	269	391
6225 Workers Compensation	4,852	4,879	5,137	4,882	5,168	4,882
6230 Vacation leave	1,287	(4,045)	2,573	2,493	1,357	2,493
6235 Sick leave	651	4,751	1,430	2,743	878	2,743
6242 Auto Benefits	7,485	7,500	7,500	7,500	7,788	7,500
6243 Telephone Benefits	1,677	1,680	1,680	1,680	1,745	1,680
6260 Vacancy Savings	-	-	-	(13,623)	-	(13,922)
<i>O&M PERSONNEL TOTAL</i>	268,929	278,839	287,493	274,050	289,298	279,562
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	400	-	300
7110 Dues & memberships	1,500	1,500	1,500	1,500	1,500	1,500
7120 Office supplies	1,894	2,454	1,111	1,500	1,028	1,000
7130 Postage/shipping charges	-	-	-	75	-	75
7140 Training expenses	725	1,645	1,980	2,450	825	1,113
7145 Travel expenses	4,274	4,447	7,299	6,820	5,179	3,840
7299 Other materials & supplies	-	7,432	-	-	-	-
7315 Food, meals, ice, water	225	290	352	400	235	400
7325 Rental of equip/storage/land	-	-	1,930	800	648	800
7348 Customer Assistance Program	12,739	19,085	20,695	50,000	15,029	50,000
7601 Legal Fees	16,857	40,235	11,946	16,000	18,569	16,000
7645 Maintenance services	1,120	1,090	-	500	-	500
7699 Other services	120	382	-	-	35,814	25,000
<i>O&M NON-PERSONNEL TOTAL</i>	39,453	78,560	46,813	80,445	78,825	100,528
	308,382	357,399	334,306	354,495	368,123	380,090

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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
 Personnel O&M Expenses
 Non-Personnel O&M Expenses
 Total O&M Expenses

OUTPUT MEASURES

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

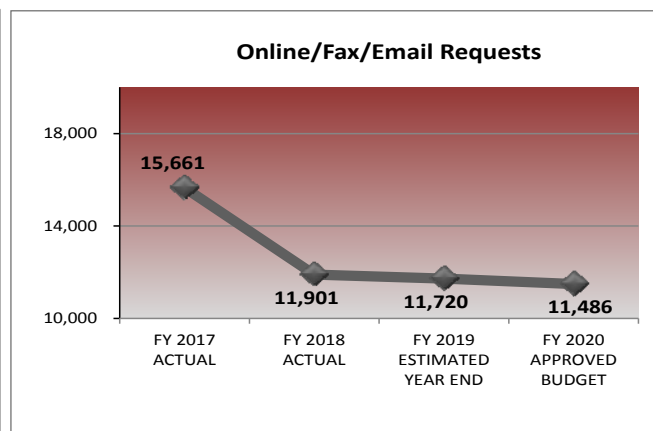
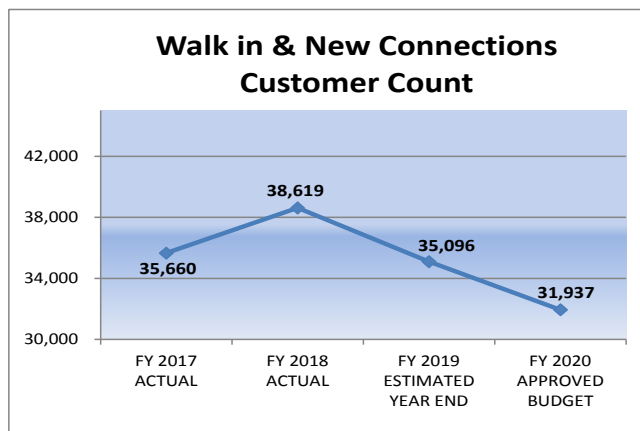
OUTCOME MEASURES

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

EFFICIENCY MEASURES

Cost Per Transaction
 Transactions per FTE

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END	FY 2020 APPROVED BUDGET
14	13	14	14
\$ 776,861	\$ 799,524	\$ 764,736	\$ 754,101
\$ 31,605	\$ 90,027	\$ 81,724	\$ 79,066
\$ 808,466	\$ 889,551	\$ 846,460	\$ 833,167
35,660	38,619	35,096	31,937
15,661	11,901	11,720	11,486
51,321	50,520	46,816	43,423
64,750	65,300	66,350	67,400
7%	6%	6%	5%
13	13	10	10
\$ 15.75	\$ 17.61	\$ 18.08	\$ 19.19
3,666	3,886	3,344	3,102



DEPARTMENT 6110 - CUSTOMER SERVICE

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 120,633	\$ 132,661	\$ 130,332	\$ 130,333	\$ 124,400	\$ 130,125
6110 Clerical staff	373,111	374,737	395,741	345,055	388,736	380,228
6130 Overtime	1,118	1,901	1,552	2,906	1,609	2,441
6201 T.M.R.S.	82,257	89,750	94,369	84,952	92,389	89,159
6205 F.I.C.A.	29,788	30,291	31,422	29,474	30,835	31,642
6210 Medicare	6,966	7,084	7,349	6,893	7,211	7,400
6214 Dental Insurance	3,705	3,617	3,753	3,404	6,272	7,561
6215 Hospitalization insurance	94,229	96,574	102,510	95,831	105,460	116,373
6220 Life Insurance	706	710	624	581	524	624
6221 Long Term Disability Insurance	1,198	1,234	393	877	718	947
6225 Workers Compensation	12,448	12,996	13,403	11,885	13,141	12,759
6230 Vacation leave	(1,710)	4,287	3,037	6,070	1,383	6,516
6235 Sick leave	8,554	8,389	6,545	6,677	(9,705)	7,168
6240 Educational assistance	1,919	12,631	8,494	3,120	1,762	-
6260 Vacancy Savings	-	-	-	(35,464)	-	(38,841)
<i>O&M PERSONNEL TOTAL</i>	<u>734,922</u>	<u>776,861</u>	<u>799,524</u>	<u>692,594</u>	<u>764,736</u>	<u>754,101</u>
<i>O&M NON-PERSONNEL</i>						
7110 Dues & memberships	-	-	-	120	60	120
7120 Office supplies	3,324	5,073	3,638	7,250	4,490	7,250
7130 Postage/shipping charges	-	-	-	150	-	150
7140 Training expenses	650	425	3,020	3,100	755	1,134
7145 Travel expenses	1,709	885	3,993	6,000	1,516	3,712
7299 Other materials & supplies	641	693	1	-	-	-
7315 Food, meals, ice, water	759	1,025	969	1,500	1,129	2,000
7325 Rental of equip/storage/land	4,393	4,026	3,614	4,500	4,009	4,500
7645 Maintenance services	1,463	1,557	-	1,700	-	1,700
7699 Other services	39,959	15,490	71,429	50,000	66,100	55,000
7820 Office furniture & equipment	17,584	2,433	3,361	3,500	3,664	3,500
<i>O&M NON-PERSONNEL TOTAL</i>	<u>70,483</u>	<u>31,605</u>	<u>90,027</u>	<u>77,820</u>	<u>81,724</u>	<u>79,066</u>
	805,405	808,466	889,551	770,414	846,460	833,167



Department Responsibility: **Sergio Delgadillo**

Title: **Billing Manager**

Telephone Ext: **6119**

Dept. No: **6115**

PERFORMANCE MEASURES FOR THE COLLECTIONS DEPARTMENT

Department Function:

The Collections Department is responsible for providing consistent, reliable and accurate collection strategies. Through a highly qualified workforce, advanced information technology and pro-active cooperation with various departments within the organization the Collections Department strives to collect receivables on time and decrease the amount of bad debt. Functions include: processing of returned checks, disconnects for non-payment, bad debt collections, etc.

INPUT MEASURES

FTE

O&M Personnel Expenses

O&M Non-Personnel Expenses

Total O&M Expenses

OUTPUT MEASURES

No. of Service Orders Reviewed

No. of Accounts Billed

No. of Returned Checks

No. of Bad Debt Accounts

OUTCOME MEASURES

Value of Billed Accounts

Value of Returned Checks

Value of Returned Check Fees

Value of Bad Debt

Value of Bad Debt Collected

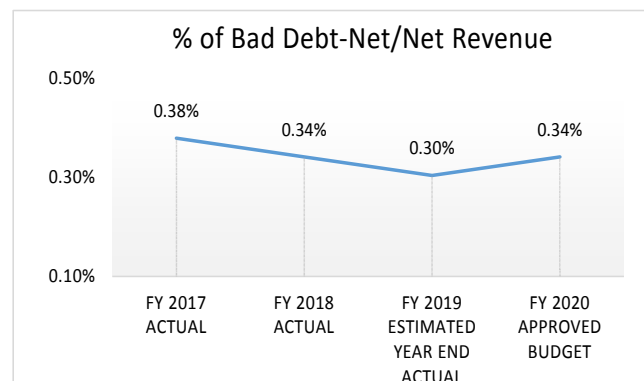
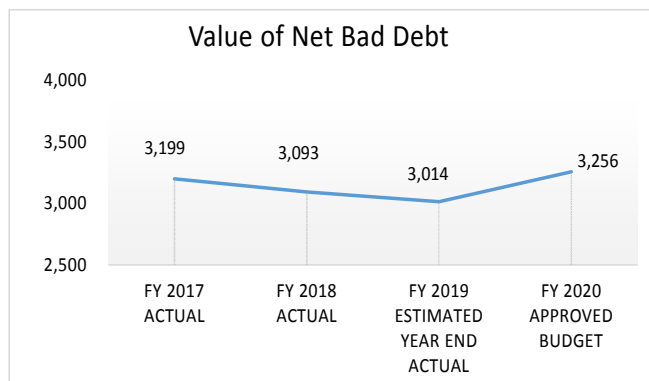
Value of Net Bad Debt

EFFICIENCY MEASURES

Average Write-off Amount per Acct.

% of Bad Debt-Net/Net Revenue

	FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
FTE	4	4	4	4
O&M Personnel Expenses	\$ 204,655	\$ 161,296	\$ 208,048	\$ 219,162
O&M Non-Personnel Expenses	\$ 997,853	\$ 285,770	\$ 442,945	\$ 320,094
Total O&M Expenses	\$ 1,202,508	\$ 447,066	\$ 650,993	\$ 539,256
No. of Service Orders Reviewed	33,278	38,639	37,913	38,364
No. of Accounts Billed	752,571	776,149	790,937	810,862
No. of Returned Checks	2,350	2,333	2,196	2,407
No. of Bad Debt Accounts	3,199	3,093	3,014	3,256
Value of Billed Accounts	\$ 208,080,577	\$ 208,426,180	\$ 206,284,466	\$ 214,618,334
Value of Returned Checks	\$ 1,021,857	\$ 732,552	\$ 742,303	\$ 860,190
Value of Returned Check Fees	\$ 52,200	\$ 50,575	\$ 46,838	\$ 51,549
Value of Bad Debt	\$ 1,115,333	\$ 1,032,882	\$ 1,003,151	\$ 1,085,874
Value of Bad Debt Collected	\$ 326,694	\$ 321,876	\$ 376,624	\$ 353,412
Value of Net Bad Debt	\$ 788,639	\$ 711,006	\$ 626,527	\$ 732,462
Average Write-off Amount per Acct.	\$ 348.65	\$ 333.94	\$ 332.83	\$ 333.50
% of Bad Debt-Net/Net Revenue	0.38%	0.34%	0.30%	0.34%



DEPARTMENT 6115 – COLLECTIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 38,792	\$ 41,895	\$ 42,016	\$ 84,032	\$ 63,517	\$ 80,621
6110 Clerical staff	86,023	85,418	61,844	61,589	55,564	62,816
6130 Overtime	258	310	469	1,155	617	1,710
6201 T.M.R.S.	20,777	23,836	18,658	25,955	24,561	25,058
6205 F.I.C.A.	7,408	7,956	6,030	9,028	8,117	8,893
6210 Medicare	1,733	1,861	1,410	2,111	1,898	2,080
6214 Dental Insurance	1,071	1,002	812	1,116	1,687	2,587
6215 Hospitalization insurance	29,709	29,159	24,937	31,866	28,038	38,742
6220 Life Insurance	184	182	127	180	124	178
6221 Long Term Disability Insurance	330	334	88	291	186	287
6225 Workers Compensation	3,130	3,368	2,608	3,641	3,462	3,586
6230 Vacation leave	843	1,564	799	1,859	4,495	1,831
6235 Sick leave	1,187	7,769	1,497	2,045	15,781	2,015
6260 Vacancy Savings	-	-	-	(10,991)	-	(11,242)
<i>O&M PERSONNEL TOTAL</i>	<u>191,446</u>	<u>204,655</u>	<u>161,296</u>	<u>213,878</u>	<u>208,048</u>	<u>219,162</u>
<i>O&M NON-PERSONNEL</i>						
7110 Dues & memberships	-	115	105	200	270	900
7120 Office supplies	697	371	432	1,200	411	1,200
7130 Postage/shipping charges	-	-	-	100	-	100
7140 Training expenses	-	-	-	1,000	199	462
7145 Travel expenses	-	-	-	1,500	-	832
7299 Other materials & supplies	-	691	523	500	493	1,000
7301 Bad debt expense	18,004	995,132	284,596	800,000	405,823	300,000
7302 Bankruptcy expenses	(4,865)	1,225	-	-	(326)	-
7315 Food, meals, ice, water	161	272	114	600	124	600
7415 Fuels & lubricants	-	-	-	-	-	-
7601 Legal Fees	-	-	-	12,000	34,545	12,000
7699 Other services	-	46	-	3,000	-	3,000
7820 Office furniture & equipment	720	-	-	-	1,406	-
<i>O&M NON-PERSONNEL TOTAL</i>	<u>14,716</u>	<u>997,853</u>	<u>285,770</u>	<u>820,100</u>	<u>442,945</u>	<u>320,094</u>
	206,162	1,202,508	447,066	1,033,978	650,993	539,256



Department Responsibility: **Sergio Delgadillo**
 Title: **Billing Manager**
 Telephone Ext: **6119**
 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 Hi-Lo and Billing Issues
 # of Bills/Reminders Folded (Electronic Bills not included)

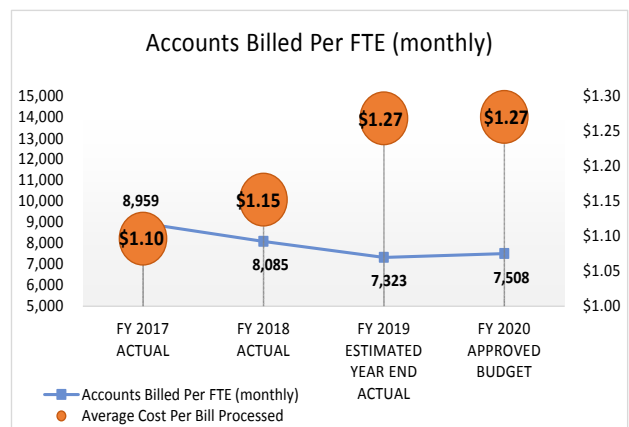
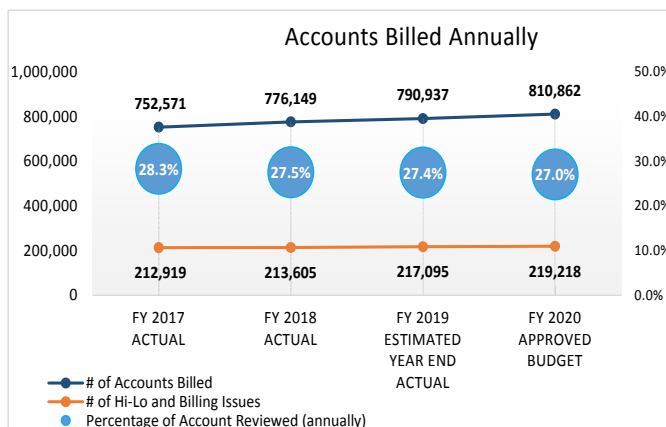
OUTCOME MEASURES

Value of Accounts Billed
 Percentage of account billed on time

EFFICIENCY MEASURES

Average Cost Per Bill Processed
 Percentage of Account Reviewed (annually)
 Accounts Billed Per FTE (monthly)
 Hi Lo & Billing Issues Per FTE (monthly)
 Bills/Reminders folded Per FTE (monthly)

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
7	8	9	9
\$ 356,362	\$ 418,609	\$ 520,463	\$ 511,328
\$ 468,869	\$ 475,680	\$ 482,989	\$ 518,931
\$ 825,231	\$ 894,289	\$ 1,003,452	\$ 1,030,259
752,571	776,149	790,937	810,862
212,919	213,605	217,095	219,218
744,000	753,000	743,509	743,320
\$ 208,080,577	\$ 208,426,180	\$ 206,284,466	\$ 214,618,334
100%	100%	100%	100%
\$ 1.10	\$ 1.15	\$ 1.27	\$ 1.27
28.3%	27.5%	27.4%	27.0%
8,959	8,085	7,323	7,508
2,535	2,225	2,010	2,030
8,857	7,844	6,884	6,883



DEPARTMENT 6120 – BILLING

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 47,205	\$ 53,083	\$ 51,792	\$ 51,792	\$ 119,124	\$ 124,218
6110 Clerical staff	164,243	148,332	185,544	189,051	184,781	187,075
6115 Operational staff	25,560	26,258	26,306	26,166	26,369	26,166
6130 Overtime	1,304	1,010	1,822	3,880	1,365	3,880
6201 T.M.R.S.	39,648	40,167	47,478	47,715	58,740	58,954
6205 F.I.C.A.	13,722	13,016	15,409	16,555	19,207	20,922
6210 Medicare	3,209	3,044	3,604	3,872	4,492	4,893
6214 Dental Insurance	2,130	1,900	2,169	2,232	4,300	5,533
6215 Hospitalization insurance	63,188	58,617	64,061	65,925	75,819	87,345
6220 Life Insurance	357	326	324	336	308	414
6221 Long Term Disability Insurance	634	596	219	534	428	675
6225 Workers Compensation	5,977	5,684	6,637	6,675	8,308	8,436
6230 Vacation leave	(973)	(289)	5,091	3,409	2,240	4,309
6235 Sick leave	2,150	4,616	8,155	3,750	14,329	4,740
6240 Educational assistance	-	-	-	-	654	-
6260 Vacancy Savings	-	-	-	(20,543)	-	(26,232)
<i>O&M PERSONNEL TOTAL</i>	<u>368,354</u>	<u>356,362</u>	<u>418,609</u>	<u>401,350</u>	<u>520,463</u>	<u>511,328</u>
<i>O&M NON-PERSONNEL</i>						
7110 Dues & memberships	380	425	710	540	420	795
7120 Office supplies	1,012	1,029	589	1,000	988	1,000
7130 Postage/shipping charges	317,064	303,363	318,741	345,000	321,275	345,000
7140 Training expenses	-	100	198	-	2,700	1,680
7145 Travel expenses	-	-	-	-	2,282	2,656
7299 Other materials & supplies	42,793	70,760	66,515	68,000	56,871	68,000
7315 Food, meals, ice, water	110	268	341	300	301	300
7325 Rental of equip/storage/land	98,295	84,132	80,648	86,500	86,132	86,500
7335 Wearing apparel & dry goods	587	296	169	500	170	500
7415 Fuels & lubricants	2,084	1,841	1,974	4,000	2,319	3,500
7635 Software maintenance service fees	5,545	5,545	5,795	6,000	6,045	6,500
7645 Maintenance services	276	-	-	-	-	-
7801 Communication equipment	-	-	-	500	-	500
7805 Computer equipment	-	-	-	-	300	-
7820 Office furniture & equipment	411	1,110	-	-	3,186	2,000
<i>O&M NON-PERSONNEL TOTAL</i>	<u>468,555</u>	<u>468,869</u>	<u>475,680</u>	<u>512,340</u>	<u>482,989</u>	<u>518,931</u>
	836,909	825,231	894,289	913,690	1,003,452	1,030,259



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.

INPUT MEASURES

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

OUTPUT MEASURES

Handled Calls
 IVR Automated Only
 Total Calls

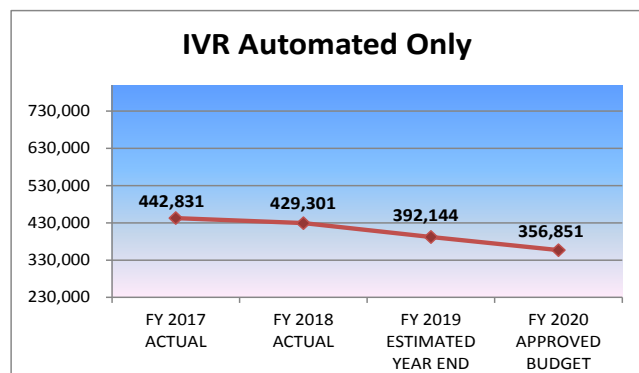
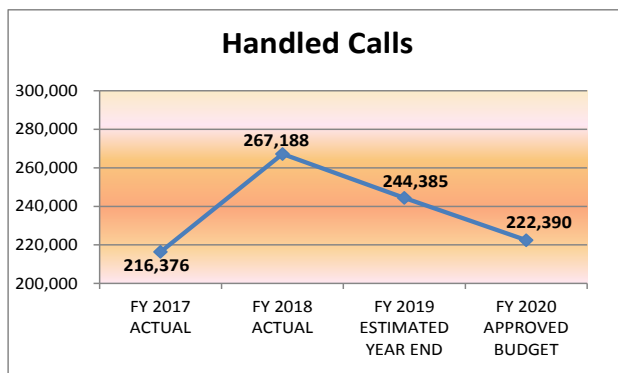
OUTCOME MEASURES

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

EFFICIENCY MEASURES

Average Cost Per Call
 Transactions Handled per Agent

	FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END	FY 2020 APPROVED BUDGET
FTE's	11	12	12	12
Personnel O & M Expenses	\$ 562,826	\$ 597,861	\$ 609,135	\$ 614,567
Non Personnel O & M Expenses	\$ 7,531	\$ 6,065	\$ 9,262	\$ 40,143
Total O & M Expenses	\$ 570,357	\$ 603,926	\$ 618,397	\$ 654,710
Handled Calls	216,376	267,188	244,385	222,390
IVR Automated Only	442,831	429,301	392,144	356,851
Total Calls	659,207	696,489	636,529	579,241
Number of Accounts	64,750	65,300	66,350	67,400
Percent Customer Base Interactions	28%	34%	31%	27%
Average Wait Time in Minutes	3	3	2	2
Average Cost Per Call	\$ 0.87	\$ 0.87	\$ 0.97	\$ 1.13
Transactions Handled per Agent	19,671	22,266	20,365	18,533



DEPARTMENT 6125 - CALL CENTER

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 42,246	\$ 51,467	\$ 50,960	\$ 50,960	\$ 51,156	\$ 50,960
6110 Clerical staff	295,062	305,723	328,586	337,813	330,936	336,294
6130 Overtime	1,317	1,869	2,011	3,167	1,640	3,167
6201 T.M.R.S.	56,576	62,995	68,283	69,474	68,252	67,653
6205 F.I.C.A.	19,796	20,621	21,902	24,104	21,686	24,010
6210 Medicare	4,630	4,823	5,122	5,637	5,072	5,615
6214 Dental Insurance	3,105	3,150	3,234	3,348	6,374	8,364
6215 Hospitalization insurance	88,274	93,543	99,663	104,989	107,070	124,764
6220 Life Insurance	509	520	464	492	404	490
6221 Long Term Disability Insurance	900	941	324	778	567	775
6225 Workers Compensation	8,569	8,946	9,550	9,719	9,650	9,681
6230 Vacation leave	(527)	2,444	2,745	4,964	2,073	4,944
6235 Sick leave	4,531	5,785	5,017	5,460	4,255	5,439
6240 Educational assistance	-	-	-	3,120	-	3,840
6260 Vacancy Savings	-	-	-	(30,366)	-	(31,430)
<i>O&M PERSONNEL TOTAL</i>	<u>524,988</u>	<u>562,826</u>	<u>597,861</u>	<u>593,659</u>	<u>609,135</u>	<u>614,567</u>
<i>O&M NON-PERSONNEL</i>						
7110 Dues & memberships	-	-	-	-	30	-
7120 Office supplies	2,166	2,851	2,143	5,000	2,480	4,000
7125 Photo equipment/supplies	-	-	-	-	18	-
7130 Postage/shipping charges	-	-	-	100	-	100
7140 Training expenses	-	-	-	-	680	147
7145 Travel expenses	-	-	-	-	1,536	576
7299 Other materials & supplies	146	273	1	-	-	-
7315 Food, meals, ice, water	752	976	979	1,200	1,008	1,200
7645 Maintenance services	1,272	1,304	-	1,700	-	1,700
7699 Other services	415	-	-	30,000	-	30,000
7820 Office furniture & equipment	1,752	2,127	2,942	2,880	3,540	2,420
<i>O&M NON-PERSONNEL TOTAL</i>	<u>6,503</u>	<u>7,531</u>	<u>6,065</u>	<u>40,880</u>	<u>9,262</u>	<u>40,143</u>
	531,491	570,357	603,926	634,539	618,397	654,710



Department Responsibility: **Sergio Delgadillo**
 Title: **Billing Manager**
 Telephone Ext: **6119**
 Dept. No: **6130**

**PERFORMANCE MEASURES
FOR THE
METER SERVICES DEPARTMENT**

Department Function:

The Meter Services Department provides quick and accurate services (connects, disconnects, and transfers) for our customers. They provide re-reading (meters) services with abnormal consumption and as requested by customers. They're also responsible for cutting off at the pole, reporting possible tampering, checking for voltage loads, plugging sewer lines on delinquent accounts and delivering notice of disconnection to customers.

Department Goals/Objectives:

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

INPUT MEASURES

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

OUTPUT MEASURES

of Service Orders Completed
 # of Disconnections For Non-Payment
 # of Reconnects For Non-Payment
 # of Reconnect Services

OUTCOME MEASURES

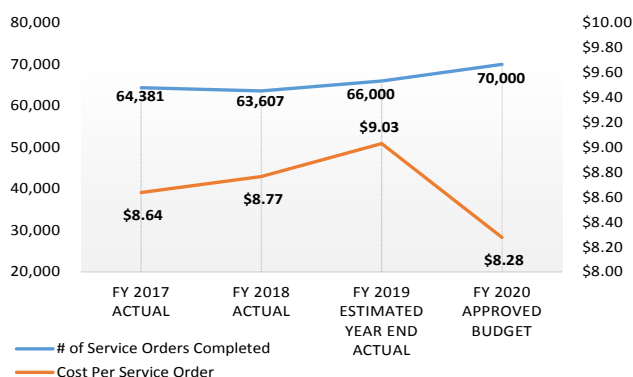
Value of Reconnect Fees
 Value of Reconnect Services
 Accumulated Value

EFFICIENCY MEASURES

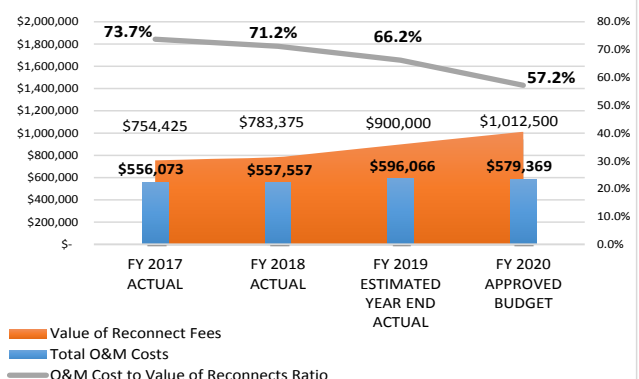
O&M Cost to Value of Reconnects Ratio
 Cost Per Service Order

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
10	10	9	9
\$ 495,288	\$ 482,196	\$ 527,258	\$ 502,380
\$ 60,785	\$ 75,361	\$ 68,808	\$ 76,989
\$ 556,073	\$ 557,557	\$ 596,066	\$ 579,369
64,381	63,607	66,000	70,000
11,707	12,210	14,000	15,000
10,059	10,445	12,000	13,500
330	312	250	250
\$ 754,425	\$ 783,375	\$ 900,000	\$ 1,012,500
\$ 8,250	\$ 7,800	\$ 6,250	\$ 6,250
\$ 762,675	\$ 791,175	\$ 906,250	\$ 1,018,750
73.7%	71.2%	66.2%	57.2%
\$ 8.64	\$ 8.77	\$ 9.03	\$ 8.28

Service Orders Completed



O&M Cost to Value of Reconnects Ratio



DEPARTMENT 6130 – METER SERVICES

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 11,152	\$ -	\$ 28,877	\$ 62,067	\$ 47,105	\$ 46,925
6115 Operational staff	276,566	313,570	267,902	321,651	286,440	278,283
6130 Overtime	16,573	12,248	10,965	15,540	9,019	12,041
6201 T.M.R.S.	50,433	57,162	60,860	68,413	60,371	56,814
6205 F.I.C.A.	18,109	19,299	20,328	23,791	19,849	20,163
6210 Medicare	4,235	4,513	4,754	5,564	4,642	4,716
6214 Dental Insurance	2,223	2,355	2,221	2,790	4,978	6,385
6215 Hospitalization insurance	62,104	63,310	61,204	75,757	74,520	84,498
6220 Life Insurance	412	436	347	470	333	403
6221 Long Term Disability Insurance	749	807	241	767	487	650
6225 Workers Compensation	7,643	8,076	8,514	9,593	8,520	8,130
6230 Vacation leave	(2,862)	1,561	5,694	4,899	7,477	4,152
6235 Sick leave	3,234	11,950	10,289	5,389	3,517	4,568
6260 Vacancy Savings	-	-	-	(28,543)	-	(25,348)
<i>O&M PERSONNEL TOTAL</i>	450,573	495,288	482,196	568,149	527,258	502,380
<i>O&M NON-PERSONNEL</i>						
7110 Dues & memberships	-	60	-	180	75	420
7120 Office supplies	1,043	978	1,126	2,000	818	1,800
7140 Training expenses	-	-	9,500	1,775	1,180	1,995
7145 Travel expenses	-	-	-	-	-	4,224
7180 Utilities - departmental	-	-	-	6,000	-	1,500
7225 Safety supplies	572	374	790	1,200	2,138	2,200
7299 Other materials & supplies	12,048	11,256	10,761	15,000	13,289	15,000
7315 Food, meals, ice, water	110	215	606	700	439	400
7325 Rental of equip/storage/land	7,243	7,753	7,786	7,950	7,786	7,950
7335 Wearing apparel & dry goods	12,965	13,066	19,853	9,000	12,993	8,500
7415 Fuels & lubricants	21,722	23,405	23,114	25,000	24,505	25,000
7505 Maint. of communication equipment	-	326	-	1,000	878	1,500
7635 Software maintenance service fees	2,930	2,930	1,824	4,000	2,731	4,000
7835 Tools, shop and garage equipment	-	422	-	500	-	500
7899 Other minor tools & equipment	-	-	-	2,000	1,977	2,000
<i>O&M NON-PERSONNEL TOTAL</i>	58,633	60,785	75,361	76,305	68,808	76,989
	509,206	556,073	557,557	644,454	596,066	579,369



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



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)
Total O&M Expenses

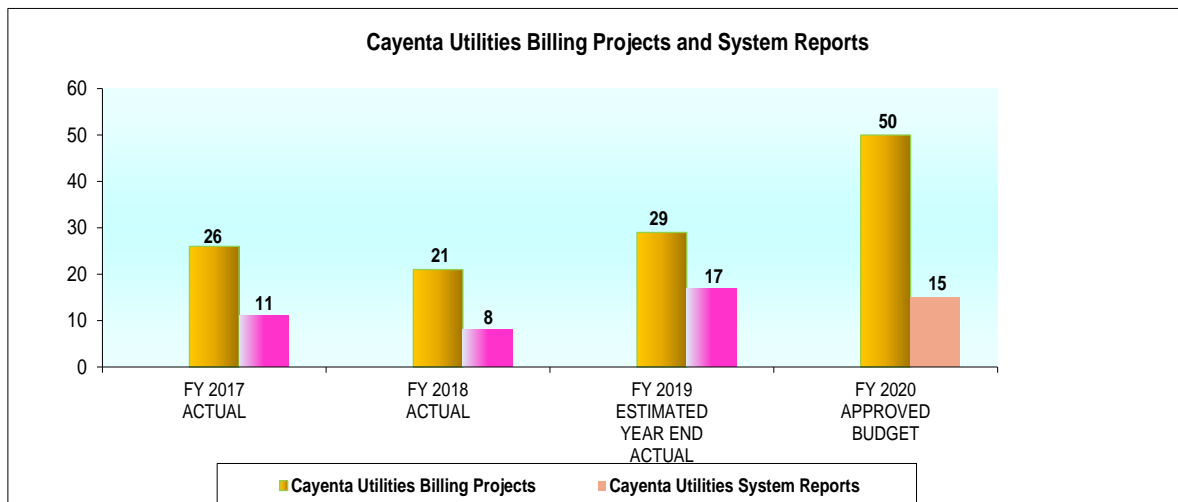
OUTPUT MEASURES

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

OUTCOME MEASURES

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

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
3	3	3	3
\$ 425,761	\$ 400,334	\$ 459,593	\$ 530,176
26	21	29	50
11	8	17	15
100%	100%	100%	100%
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes



DEPARTMENT 6135 – CIS SUPPORT

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 80,928	\$ 83,579	\$ 85,323	\$ 85,114	\$ 85,441	\$ 85,114
6110 Clerical staff	75,783	83,010	86,102	85,696	86,560	85,696
6130 Overtime	363	659	644	3,708	399	3,708
6201 T.M.R.S.	26,144	28,797	30,772	30,524	30,540	29,840
6205 F.I.C.A.	9,502	9,886	10,380	10,590	10,264	10,590
6210 Medicare	2,222	2,312	2,428	2,477	2,400	2,477
6214 Dental Insurance	804	792	814	837	1,415	1,777
6215 Hospitalization insurance	20,443	19,823	20,432	21,004	22,889	26,386
6220 Life Insurance	214	222	191	197	160	197
6221 Long Term Disability Insurance	414	438	144	342	256	342
6225 Workers Compensation	3,940	4,068	4,302	4,270	4,310	4,270
6230 Vacation leave	(69)	278	(317)	2,181	1,788	2,181
6235 Sick leave	-	5,216	(5,799)	2,399	(737)	2,399
6260 Vacancy Savings	-	-	-	(12,052)	-	(12,334)
<i>O&M PERSONNEL TOTAL</i>	<u>220,688</u>	<u>239,078</u>	<u>235,414</u>	<u>237,286</u>	<u>245,685</u>	<u>242,642</u>
<i>O&M NON-PERSONNEL</i>						
7110 Dues & memberships	-	135	165	200	180	200
7120 Office supplies	915	179	729	1,800	1,062	1,800
7130 Postage/shipping charges	-	-	-	100	-	100
7140 Training expenses	1,625	3,150	4,026	3,100	3,225	1,869
7145 Travel expenses	4,784	2,413	4,794	3,655	3,797	2,464
7299 Other materials & supplies	175	197	402	500	2,602	500
7315 Food, meals, ice, water	135	629	38	600	440	600
7415 Fuels & lubricants	19	-	-	-	-	-
7635 Software maintenance service fees	129,658	136,227	140,730	202,062	168,275	220,001
7699 Other services	19,356	42,480	12,668	60,000	34,328	60,000
7820 Office furniture & equipment	2,453	1,274	1,368	-	-	-
<i>O&M NON-PERSONNEL TOTAL</i>	<u>159,119</u>	<u>186,683</u>	<u>164,920</u>	<u>272,018</u>	<u>213,908</u>	<u>287,534</u>
	379,807	425,761	400,334	509,304	459,593	530,176



Department Responsibility: Eddy Hernandez

Title: Director of Customer Serv/Info Tech

Telephone Ext: 6130

Dept. No: 6145

PERFORMANCE MEASURES FOR THE ENERGY EFFICIENCY & CONSERVATION DEPARTMENT

Department Function:

To promote energy efficiency and conservation amongst Brownsville PUB customers.

Department Goals/Objectives:

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

INPUT MEASURES

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

OUTPUT MEASURES

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

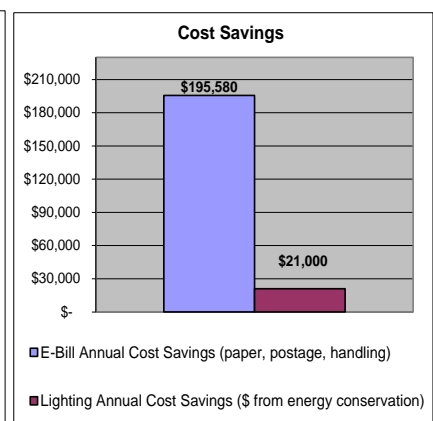
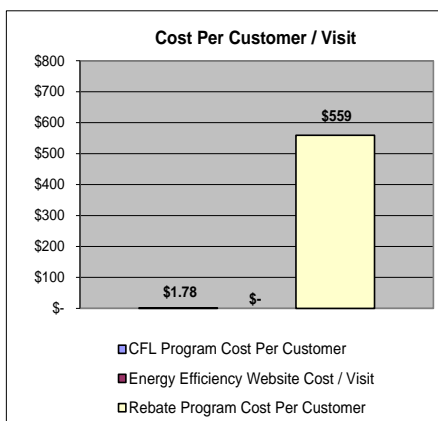
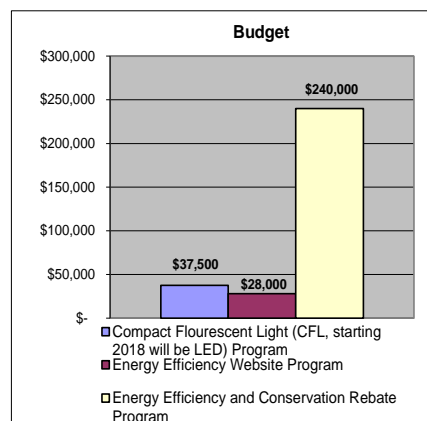
OUTCOME MEASURES

E-Bill Environmental Impact (sheets, envelopes saved)

EFFICIENCY MEASURES

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

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
1	1	1	1
\$ 37,500	\$ 37,500	\$ 37,500	\$ 37,500
\$ 28,000	\$ 28,000	\$ 28,000	\$ 28,000
\$ 410,000	\$ 230,000	\$ 235,000	\$ 240,000
\$ 250,000	\$ 300,000	\$ 235,000	\$ 235,000
\$ 410,000	\$ 530,000	\$ 470,000	\$ 475,000
\$ 35,000	\$ -	\$ -	\$ -
350	168	200	TBD
9,000	9,000	9,000	9,000
800	800	850	850
70	-	-	-
152,000	153,720	154,000	154,000
\$ 2.50	\$ 1.78	\$ 1.78	\$ 1.78
\$ 80	\$ 167	\$ 140	TBD
\$ 525	\$ 662	\$ 553	\$ 559
\$ 193,040	\$ 195,224	\$ 195,580	\$ 195,580
\$ 21,000	\$ 21,000	\$ 21,000	\$ 21,000



DEPARTMENT 6145 – ENERGY EFFICIENCY & CONSERVATION

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6105 Administrative Staff	\$ 17,799	\$ 46,785	\$ 48,650	\$ 48,651	\$ 48,838	\$ 48,651
6201 T.M.R.S.	3,145	7,993	8,701	8,694	8,651	8,499
6205 F.I.C.A.	1,058	2,640	2,817	3,016	2,845	3,016
6210 Medicare	248	617	659	705	665	705
6214 Dental Insurance	115	261	272	279	538	685
6215 Hospitalization insurance	3,569	8,100	8,438	8,669	8,785	9,861
6220 Life Insurance	24	64	56	57	47	57
6221 Long Term Disability Insurance	46	123	41	97	74	97
6225 Workers Compensation	447	1,129	1,216	1,216	1,221	1,216
6230 Vacation leave	1,241	(469)	141	621	842	621
6235 Sick leave	5,736	1,980	1,289	683	795	683
6260 Vacancy Savings	-	-	-	(3,569)	-	(3,639)
<i>O&M PERSONNEL TOTAL</i>	33,428	69,221	72,279	69,122	73,302	70,455
<i>O&M NON-PERSONNEL</i>						
7102 Sponsorships	-	-	-	-	-	-
7105 Books & periodicals	-	-	-	200	-	200
7110 Dues & memberships	-	-	-	100	-	100
7120 Office supplies	355	322	149	400	155	400
7130 Postage/shipping charges	62	1,076	-	1,500	-	1,500
7140 Training expenses	1,595	-	-	2,400	-	1,092
7145 Travel expenses	544	1,190	-	2,300	1,054	1,280
7299 Other materials & supplies	25	-	-	400	-	400
7315 Food, meals, ice, water	-	12	13	100	-	100
7340 Promo Exp-Enrgy Efficiency & Consv	27,141	26,011	23,859	38,000	17,275	28,000
7345 Rebate Exp-Enrgy Efficiency & Cnsrv	297,430	244,929	263,060	235,000	265,537	200,000
7346 Water Efficiency Program	-	10,831	5,986	10,000	-	10,000
7347 Commercial & Industrial Rebate Prog	143,818	193,851	151,386	235,000	189,137	200,000
7415 Fuels & lubricants	-	-	48	-	281	500
7635 Software maintenance service fees	28,035	27,250	27,250	28,000	27,250	28,000
7699 Other services	-	-	-	35,000	46,250	45,000
7805 Computer equipment	300	-	-	250	-	250
7820 Office furniture & equipment	442	101	-	500	-	500
<i>O&M NON-PERSONNEL TOTAL</i>	499,747	505,573	471,750	589,150	546,939	517,322
	533,175	574,794	544,029	658,272	620,241	587,777



Department Responsibility: Sergio Delgadillo
 Title: Billing Manager
 Telephone Ext: 6119
 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
 O&M Personnel Expenses
 O&M Non-Personnel Expenses
 Total O&M Expenses

OUTPUT MEASURES

No. of Meter Reads
 No. of Meters Estimated

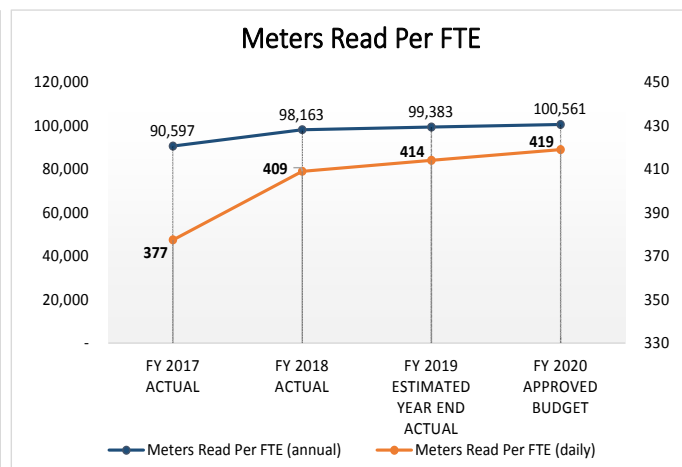
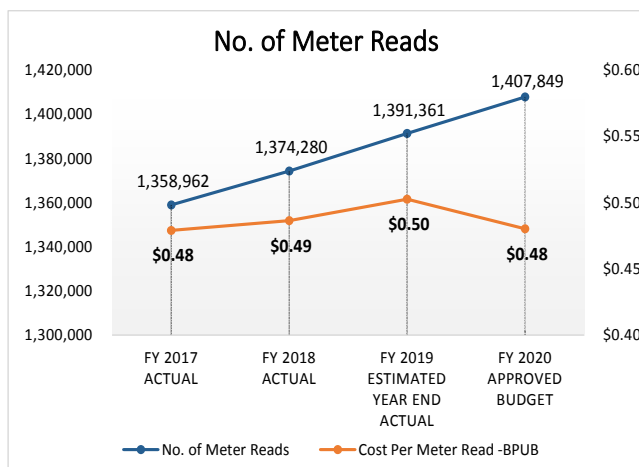
OUTCOME MEASURES

% of Estimated Readings
 % of Radio Frequency Meters Installed

EFFICIENCY MEASURES

Cost Per Meter Read -BPUB
 Meters Read Per FTE (annual)
 Meters Read Per FTE (daily)

	FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
FTE	15	14	14	14
O&M Personnel Expenses	\$ 548,564	\$ 576,872	\$ 593,134	\$ 594,197
O&M Non-Personnel Expenses	\$ 102,391	\$ 91,526	\$ 106,151	\$ 81,787
Total O&M Expenses	\$ 650,955	\$ 668,398	\$ 699,285	\$ 675,984
No. of Meter Reads	1,358,962	1,374,280	1,391,361	1,407,849
No. of Meters Estimated	10,314	10,424	7,538	9,651
% of Estimated Readings	0.76%	0.76%	0.54%	0.69%
% of Radio Frequency Meters Installed	8%	8%	8%	8%
Cost Per Meter Read -BPUB	\$ 0.48	\$ 0.49	\$ 0.50	\$ 0.48
Meters Read Per FTE (annual)	90,597	98,163	99,383	100,561
Meters Read Per FTE (daily)	377	409	414	419



DEPARTMENT 6150 – METER READING

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 22,353	\$ 45,450	\$ 45,552	\$ 45,552	\$ 45,727	\$ 45,552
6115 Operational staff	309,528	287,545	307,451	327,184	319,783	328,474
6130 Overtime	7,959	6,107	12,689	17,760	8,442	16,127
6201 T.M.R.S.	56,894	61,016	65,780	66,608	66,398	65,342
6205 F.I.C.A.	20,506	20,530	21,893	23,110	22,533	23,190
6206 Suta	4,526	7,444	(1,231)	-	-	-
6210 Medicare	4,796	4,801	5,120	5,405	5,270	5,423
6214 Dental Insurance	3,501	3,435	3,621	3,906	5,927	7,626
6215 Hospitalization insurance	88,019	90,794	94,617	100,735	95,249	111,738
6220 Life Insurance	518	506	457	494	406	495
6221 Long Term Disability Insurance	891	892	309	745	540	748
6225 Workers Compensation	8,678	8,796	9,267	9,318	9,398	9,351
6230 Vacation leave	1,821	7,697	5,567	4,759	2,634	4,776
6235 Sick leave	6,159	3,550	5,780	5,235	10,826	5,253
6260 Vacancy Savings	-	-	-	(29,153)	-	(29,897)
<i>O&M PERSONNEL TOTAL</i>	<u>536,150</u>	<u>548,564</u>	<u>576,872</u>	<u>581,658</u>	<u>593,134</u>	<u>594,197</u>
<i>O&M NON-PERSONNEL</i>						
7110 Dues & memberships	139	406	341	800	556	1,100
7120 Office supplies	1,245	810	1,561	2,000	1,257	2,000
7130 Postage/shipping charges	97	1,236	1,180	3,000	1,522	2,000
7140 Training expenses	-	-	-	-	1,485	903
7145 Travel expenses	-	-	-	-	1,617	1,984
7180 Utilities - departmental	3,325	3,374	3,521	3,300	3,364	3,300
7190 Utilities - CP&L & Mvec	500	97	99	240	12	-
7225 Safety supplies	1,409	1,505	2,590	3,000	1,843	3,000
7299 Other materials & supplies	2,639	11,873	9,282	15,000	14,925	15,000
7310 Federal, state, & local fees	-	125	-	100	-	100
7315 Food, meals, ice, water	410	558	899	1,200	901	1,200
7325 Rental of equip/storage/land	7,243	7,753	7,786	7,800	7,786	7,800
7335 Wearing apparel & dry goods	21,434	20,218	30,307	18,000	15,266	7,300
7415 Fuels & lubricants	16,950	18,096	21,924	18,000	20,091	20,000
7505 Maint. of communication equipment	2,085	1,274	-	1,500	878	1,500
7645 Maintenance services	15,654	10,810	11,242	13,100	33,764	13,100
7899 Other minor tools & equipment	802	24,257	794	1,500	885	1,500
<i>O&M NON-PERSONNEL TOTAL</i>	<u>73,932</u>	<u>102,391</u>	<u>91,526</u>	<u>88,540</u>	<u>106,151</u>	<u>81,787</u>
	610,082	650,955	668,398	670,198	699,285	675,984



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

**PERFORMANCE MEASURES
FOR THE
CASHIERS DEPARTMENT**

Department Function:

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

Department Goals/Objectives:

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

INPUT MEASURES

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

OUTPUT MEASURES

Cashier Handled Payments
Automated Payments
Total Payments Processed

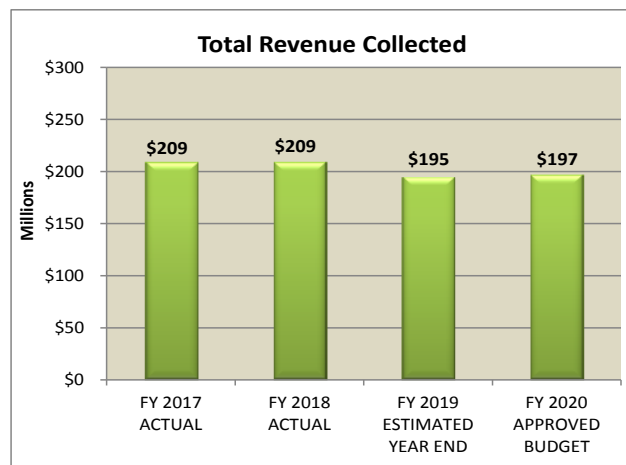
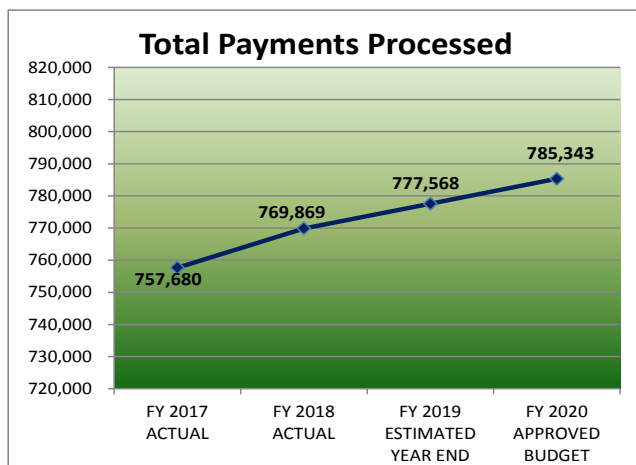
OUTCOME MEASURES

Number of Accounts
Total Revenue Collected

EFFICIENCY MEASURES

Transactions Per FTE
Cost Per Payment

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END	FY 2020 APPROVED BUDGET
9	9	8	8
\$ 378,729	\$ 415,264	\$ 430,467	\$ 413,470
\$ 546,709	\$ 514,429	\$ 626,053	\$ 319,306
\$ 925,438	\$ 929,693	\$ 1,056,520	\$ 732,776
227,778	231,607	233,923	236,262
529,902	538,262	543,645	549,081
757,680	769,869	777,568	785,343
64,750	65,300	66,350	67,400
\$ 208,771,574	\$ 208,968,527	\$ 194,713,223	\$ 196,660,355
94,710	96,234	97,196	98,168
\$ 1.22	\$ 1.21	\$ 1.36	\$ 0.93



DEPARTMENT 6160 - CASHIERS

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 39,780	\$ 49,861	\$ 47,133	\$ 47,133	\$ 47,314	\$ 47,133
6110 Clerical staff	193,089	188,047	205,895	246,584	220,679	219,544
6130 Overtime	5,378	4,259	8,206	6,333	4,792	6,333
6201 T.M.R.S.	40,372	44,258	46,731	52,487	50,609	46,588
6205 F.I.C.A.	14,363	14,819	15,030	18,210	16,510	16,534
6210 Medicare	3,359	3,466	3,515	4,259	3,861	3,867
6214 Dental Insurance	2,129	1,950	2,054	2,511	3,918	4,848
6215 Hospitalization insurance	59,457	55,311	66,626	81,483	69,326	74,989
6220 Life Insurance	350	342	306	371	278	336
6221 Long Term Disability Insurance	619	624	196	587	394	533
6225 Workers Compensation	6,164	6,270	6,531	7,343	7,143	6,667
6230 Vacation leave	1,374	3,089	3,687	3,750	(2,013)	3,405
6235 Sick leave	5,538	6,434	9,354	4,125	7,656	3,745
6260 Vacancy Savings	-	-	-	(23,048)	-	(21,052)
<i>O&M PERSONNEL TOTAL</i>	<u>371,969</u>	<u>378,729</u>	<u>415,264</u>	<u>452,130</u>	<u>430,467</u>	<u>413,470</u>
<i>O&M NON-PERSONNEL</i>						
7110 Dues & memberships	-	-	-	-	30	-
7120 Office supplies	7,644	7,087	6,134	10,000	4,577	8,000
7130 Postage/shipping charges	-	-	-	500	-	500
7140 Training expenses	-	325	1,345	1,500	370	672
7145 Travel expenses	-	905	2,057	2,000	940	1,120
7299 Other materials & supplies	259	-	1,169	4,500	-	4,500
7315 Food, meals, ice, water	709	668	468	500	711	700
7635 Software maintenance service fees	3,245	3,342	3,342	4,300	3,415	4,350
7645 Maintenance services	5,037	5,037	5,560	3,000	5,394	5,500
7650 Security services	3,345	2,664	2,502	3,484	2,880	3,964
7699 Other services	482,546	519,539	489,015	525,000	596,533	280,000
7820 Office furniture & equipment	7,987	7,142	2,838	16,356	11,234	10,000
<i>O&M NON-PERSONNEL TOTAL</i>	<u>510,771</u>	<u>546,709</u>	<u>514,429</u>	<u>571,140</u>	<u>626,053</u>	<u>319,306</u>
	882,740	925,438	929,693	1,023,270	1,056,520	732,776



Department Responsibility: Estrella Solorzano
 Title: Risk Manager
 Telephone Ext: 6291
 Dept. No: 7120

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

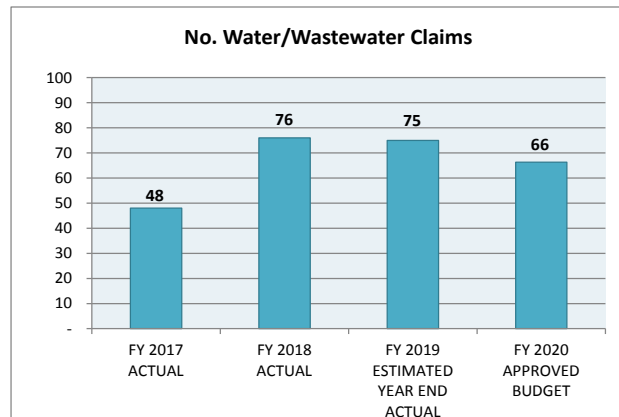
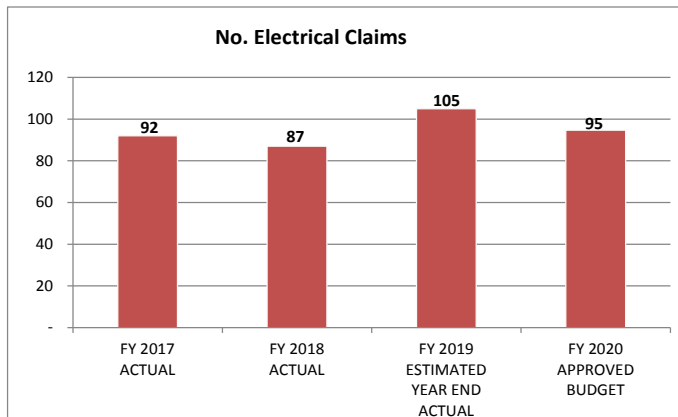
Department Function:

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

Department Goals/Objectives:

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

	FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
INPUT MEASURES				
Employees	2	2	2	3
Total O&M Expenses	\$ 2,004,262	\$ 1,976,625	\$ 1,923,313	\$ 2,659,115
OUTPUT MEASURES				
Operational Reports (monthly)	12	12	12	12
No. of Claims Filed with Insurance	117	125	71	104
No. of Paid Claims Filed with Insurance	28	15	9	17
No. of Denied Claims Filed with Insurance	63	108	47	73
Number of Claims in Litigation	5	5	3	4
No. Electrical Claims	92	87	105	95
No. Electrical Claims Subrogated	41	36	39	39
No. Electrical Claims Subrogated and paid	11	36	16	21
No. Electrical Claims unable to Subrogate	32	67	48	49
No. Water/Wastewater Claims	48	76	75	66
No. Water/Wastewater Claims Subrogated	12	13	16	14
No. Water/Wastewater Claims Subrogated and Paid	4	11	4	6
No. Water/Wastewater Claims Unable to Subrogate	25	60	40	42
OUTCOME MEASURES				
Maintain Claims Logs	Y	Y	Y	Y
Track Timeliness of Claim Processing	Y	Y	Y	Y
EFFICIENCY MEASURES				
Avg No. of Claims Filed with Insurance Per Month	9	10	6	8
Avg Cost of Claim (\$)	\$ 2,095.00	\$ 3,490.00	\$ 1,124.78	\$ 2,236.59
Avg No. of Subrogated Claims Per Month	2	10	1	4
Avg Electric Claim Subrogated Amount (\$)	\$ 2,093.00	\$ 4,769.00	\$ 2,329.98	\$ 3,063.99
Avg Water/Wastewater Claim Subrogated Amount (\$)	\$ 860.00	\$ 1,532.00	\$ 1,609.00	\$ 1,333.67
Avg Cost of Claims in Litigation (\$)	\$ 114,584.19	\$ 125,000.00	\$ 75,000.00	\$ 75,000.00



DEPARTMENT 7120 – RISK / INSURANCE MANAGEMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 63,092	\$ 64,398	\$ 64,542	\$ 64,542	\$ 64,791	\$ 64,542
6105 Administrative Staff	-	-	42,420	44,117	44,286	44,117
6110 Clerical staff	-	31,078	-	-	-	-
6130 Overtime	-	252	-	-	-	-
6201 T.M.R.S.	10,576	17,384	19,300	19,417	19,322	18,983
6205 F.I.C.A.	3,810	5,944	6,215	6,737	6,240	6,737
6210 Medicare	891	1,390	1,453	1,576	1,459	1,576
6214 Dental Insurance	268	512	532	558	1,248	1,619
6215 Hospitalization insurance	8,081	13,744	20,647	21,725	22,012	24,712
6220 Life Insurance	84	133	118	126	104	126
6221 Long Term Disability Insurance	166	259	82	217	164	217
6225 Workers Compensation	1,597	2,477	2,698	2,716	2,727	2,716
6230 Vacation leave	723	(262)	4,182	1,387	581	1,387
6235 Sick leave	-	2,107	2,185	1,526	1,485	1,526
6260 Vacancy Savings	-	-	-	(8,087)	-	(8,267)
<i>O&M PERSONNEL TOTAL</i>	89,288	139,418	164,375	156,558	164,420	159,991
<i>O&M NON-PERSONNEL</i>						
7110 Dues & memberships	343	355	-	1,300	-	1,300
7120 Office supplies	100	28	192	200	42	200
7130 Postage/shipping charges	175	147	615	300	107	300
7135 Telephone expenses	-	-	-	1,000	-	-
7140 Training expenses	-	400	200	-	1,190	1,596
7145 Travel expenses	556	1,212	1,921	-	3,367	2,528
7199 Miscellaneous office expenses	-	110	-	-	-	-
7225 Safety supplies	17	128	76	150	-	100
7315 Food, meals, ice, water	25	25	25	100	37	100
7380 Insurance - general liability	66,058	52,623	62,357	75,000	57,560	72,000
7381 Insurance - boiler,mchnry,property	1,002,998	1,030,357	929,602	1,225,000	915,779	1,330,000
7382 Insurance - blanket bond	4,141	4,191	3,706	4,500	5,670	4,500
7384 Insurance - public officials liab	67,870	66,497	64,142	76,500	63,559	76,500
7385 Insurance - comprehensive auto liab	107,236	118,506	136,025	165,000	128,417	152,000
7386 Insurance - umbrella liability	397,707	399,491	444,123	540,000	441,203	515,000
7387 Insurance - self insured damages	75,098	77,106	14,695	225,000	17,197	250,000
7388 Excess Workers Compensation	69,580	63,660	55,057	-	59,284	-
7415 Fuels & lubricants	1,200	2,036	3,460	3,000	3,114	3,000
7601 Legal Fees	4,916	-	-	20,000	-	5,000
7635 Software maintenance service fees	4,500	4,500	-	-	-	-
7699 Other services	64,836	43,473	95,879	120,000	62,367	85,000
7805 Computer equipment	-	-	-	-	-	-
7820 Office furniture & equipment	-	-	173	-	-	-
<i>O&M NON-PERSONNEL TOTAL</i>	1,867,357	1,864,844	1,812,250	2,457,050	1,758,893	2,499,124
	1,956,645	2,004,262	1,976,625	2,613,608	1,923,313	2,659,115



Department Responsibility: **Sergio Martinez**
 Title: **Area 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.

INPUT MEASURES

O&M Personnel Expenses
 O&M Non-Personnel Expenses

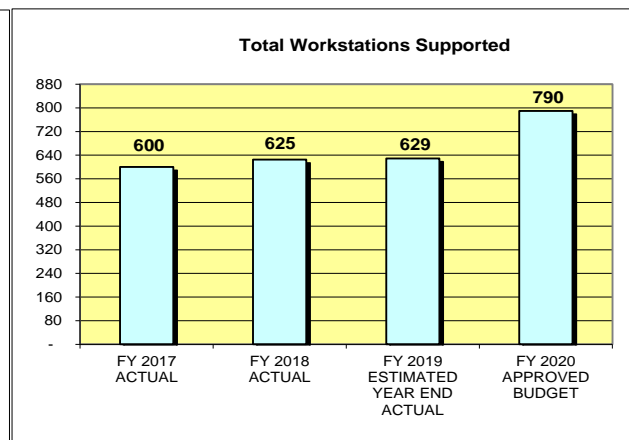
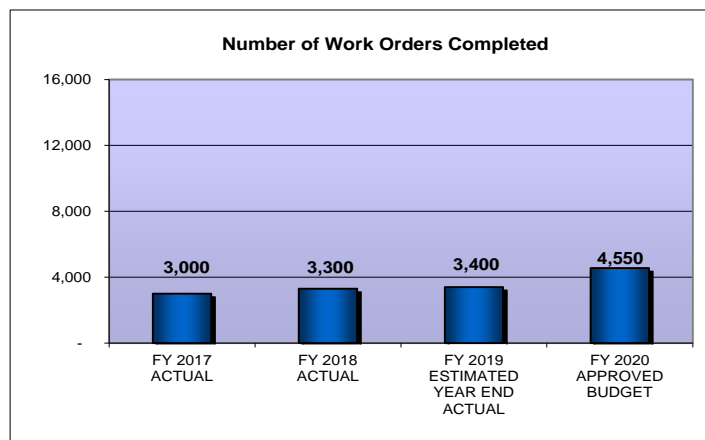
OUTPUT MEASURES

Number of Work Orders Completed
 Total Workstations Supported
 Servers Supported

EFFICIENCY MEASURES

Projects Completed
 System Availability:
 Telephones
 Network
 Applications
 Internet

	FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
O&M Personnel Expenses	\$ 1,421,016	\$ 1,552,067	\$ 1,425,411	\$ 1,512,704
O&M Non-Personnel Expenses	\$ 1,238,302	\$ 1,460,177	\$ 1,505,485	\$ 1,641,454
Number of Work Orders Completed	3,000	3,300	3,400	4,550
Total Workstations Supported	600	625	629	790
Servers Supported	309	315	325	250
Projects Completed				
System Availability:				
Telephones	99.90%	99.90%	99.90%	99.90%
Network	99.90%	99.90%	99.90%	99.90%
Applications	99.90%	99.90%	99.90%	99.90%
Internet	99.90%	99.90%	99.90%	99.90%



DEPARTMENT 7130 - INFORMATION TECHNOLOGY

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 161,214	\$ 121,146	\$ 367,973	\$ 114,317	\$ 366,457	\$ 114,317
6105 Administrative Staff	652,894	750,194	606,602	877,323	587,239	833,040
6110 Clerical staff	125,121	82,423	98,822	83,158	43,218	117,728
6130 Overtime	1,706	2,081	1,872	2,513	402	2,195
6201 T.M.R.S.	156,303	167,392	192,850	192,066	177,834	186,070
6205 F.I.C.A.	55,766	55,715	63,595	66,638	58,737	66,035
6210 Medicare	13,042	13,030	14,873	15,585	13,737	15,444
6214 Dental Insurance	4,415	4,286	4,655	4,743	8,046	11,156
6215 Hospitalization insurance	145,495	148,718	161,266	165,879	153,698	186,191
6220 Life Insurance	1,270	1,261	1,186	1,222	919	1,209
6221 Long Term Disability Insurance	2,480	2,515	922	2,150	1,475	2,130
6225 Workers Compensation	23,572	23,649	26,964	26,870	24,977	26,627
6230 Vacation leave	1,268	10,975	1,030	13,723	1,292	13,599
6235 Sick leave	7,147	37,632	9,455	15,096	(12,619)	14,959
6260 Vacancy Savings	-	-	-	(77,498)	-	(77,997)
<i>O&M PERSONNEL TOTAL</i>	1,351,694	1,421,016	1,552,067	1,503,784	1,425,411	1,512,704
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	132	39	203	300	65	300
7120 Office supplies	1,277	1,633	1,639	3,500	3,759	3,500
7130 Postage/shipping charges	143	136	235	400	54	400
7135 Telephone expenses	209,637	190,291	188,718	209,000	188,594	213,000
7140 Training expenses	4,770	3,994	9,139	15,000	7,823	2,730
7145 Travel expenses	11,680	1,861	7,034	7,500	10,728	4,224
7180 Utilities - departmental	5,523	3,736	3,621	4,000	3,268	4,000
7299 Other materials & supplies	16,893	5,235	9,969	7,000	12,790	7,000
7315 Food, meals, ice, water	253	528	488	1,000	264	1,000
7322 Recognition Program	-	-	-	-	-	-
7335 Wearing apparel & dry goods	326	385	446	400	138	400
7415 Fuels & lubricants	1,089	757	936	1,000	1,129	1,000
7599 Maintenance / other	-	(497)	-	-	-	-
7635 Software maintenance service fees	493,156	523,240	393,662	639,900	604,128	690,400
7645 Maintenance services	148,174	197,351	363,399	234,500	230,653	242,500
7699 Other services	20,700	40,100	66,639	100,000	57,644	75,000
7801 Communication equipment	-	10,734	45,280	12,000	17,237	10,000
7805 Computer equipment	224,359	172,267	281,410	290,050	281,807	296,000
7806 Software licenses-new	754	86,512	85,912	88,000	85,403	90,000
7820 Office furniture & equipment	-	-	1,446	-	-	-
<i>O&M NON-PERSONNEL TOTAL</i>	1,138,865	1,238,302	1,460,177	1,613,550	1,505,485	1,641,454
	2,490,559	2,659,318	3,012,244	3,117,334	2,930,896	3,154,158



Department Responsibility: **Hazael Becerra**

Title: **GIS Manager**

Telephone Ext: **6294**

Dept. No: **7135**

PERFORMANCE MEASURES FOR THE GEOGRAPHIC INFORMATION SYSTEMS DEPARTMENT

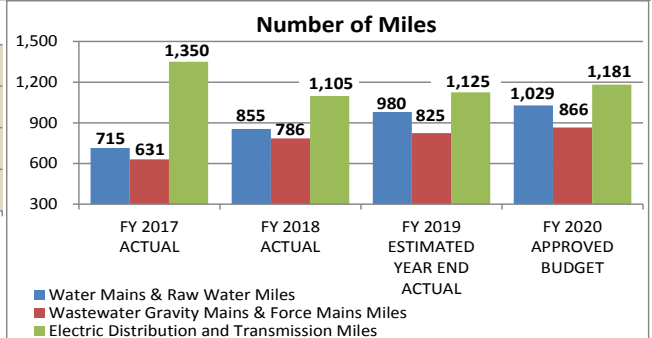
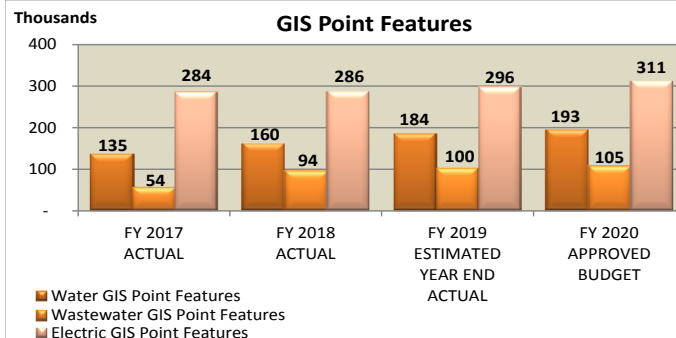
Department Function:

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

Department Goals/Objectives:

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

	FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
INPUT MEASURES				
Employees (FTEs)	11	10	10	10
O&M Non-Personnel Expenses	\$ 309,409	\$ 401,584	\$ 455,157	\$ 297,454
OUTPUT MEASURES				
Subdivisions	2,146	2,119	2,251	2,364
Addresses	62,500	61,866	62,311	65,427
Street Names	8,950	8,836	8,915	9,361
Parcels	92,505	92,320	92,415	97,036
Water GIS Point Features	135,000	160,199	184,009	193,209
Wastewater GIS Point Features	54,000	93,511	100,265	105,278
Electric GIS Point Features	283,915	285,931	296,150	310,958
GPS Field Inventory	31,500	35,125	36,155	37,963
Water Mains & Raw Water Miles	715	855	980	1,029
Wastewater Gravity Mains & Force Mains Miles	631	786	825	866
Electric Distribution and Transmission Miles	1,350	1,105	1,125	1,181
OUTCOME MEASURES				
Data Request	4,255	4,893	4,915	5,161
Map Production	4,550	5,232	5,362	5,630
Avg. Number of Internal Customers	612	650	650	683
Avg. Number of External Customers	314	393	405	425
EFFICIENCY MEASURES				
Avg. Number of QA/QC Electric Workorders	616	759	815	856
Avg. Number of QA/QC Electric Service Request	15,015	17,365	18,163	19,071
Avg. Number of Water/Wastewater As-Builds	389	401	475	499



DEPARTMENT 7135 - GEOGRAPHIC INFORMATION SYSTEMS

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 89,433	\$ 79,403	\$ 79,581	\$ 79,581	\$ 79,887	\$ 79,581
6105 Administrative Staff	169,579	178,020	205,283	195,071	176,334	193,157
6110 Clerical staff	179,686	165,620	162,741	165,422	168,427	167,565
6115 Operational staff	-	-	-	-	-	-
6130 Overtime	1,006	12,980	14,873	12,161	2,610	9,937
6201 T.M.R.S.	73,584	77,155	82,700	78,641	75,909	76,921
6205 F.I.C.A.	26,232	25,771	27,313	27,285	25,303	27,299
6210 Medicare	6,135	6,027	6,388	6,381	5,918	6,384
6214 Dental Insurance	2,868	2,566	2,647	2,706	4,395	5,811
6215 Hospitalization insurance	87,514	82,233	83,551	85,049	75,987	86,061
6220 Life Insurance	624	576	510	524	417	523
6221 Long Term Disability Insurance	1,170	1,105	357	880	638	881
6225 Workers Compensation	11,162	10,951	11,662	11,002	10,789	11,008
6230 Vacation leave	(872)	6,824	(866)	5,619	(889)	5,622
6235 Sick leave	(8,614)	9,455	(841)	6,181	4,827	6,184
6240 Educational assistance	-	1,409	2,056	4,000	2,228	5,000
6242 Auto Benefits	865	-	-	-	-	-
6243 Telephone Benefits	194	-	-	-	-	-
6260 Vacancy Savings	-	-	-	(32,627)	-	(32,759)
<i>O&M PERSONNEL TOTAL</i>	640,566	660,095	677,956	647,876	632,780	649,173
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	126	277	-	300	-	300
7110 Dues & memberships	763	1,805	2,205	2,000	1,506	2,000
7120 Office supplies	7,786	7,535	3,129	2,500	3,708	4,500
7125 Photo equipment/supplies	-	63	-	-	-	-
7130 Postage/shipping charges	493	346	109	500	68	500
7135 Telephone expenses	-	91	100	-	-	-
7140 Training expenses	4,769	7,760	1,855	5,000	1,460	3,234
7145 Travel expenses	7,349	10,351	3,253	7,503	4,744	5,920
7225 Safety supplies	-	-	-	-	150	500
7299 Other materials & supplies	2,037	3,672	763	2,000	2,629	2,000
7310 Federal, state, & local fees	12	31	-	-	36	-
7315 Food, meals, ice, water	1,233	1,239	2,437	2,000	803	2,000
7325 Rental of equip/storage/land	102,774	103,302	103,224	112,000	104,539	100,000
7330 Right of way fees	44,068	33,240	48,834	62,000	42,453	45,000
7335 Wearing apparel & dry goods	3,631	3,973	4,662	3,000	3,103	4,000
7415 Fuels & lubricants	3,769	3,818	5,033	5,000	4,205	5,000
7420 Parts	-	-	-	-	681	-
7520 Maint. of minor equipment	4,795	34	-	-	-	-
7605 Engineering fees	-	4,950	20,889	25,000	-	-
7635 Software maintenance service fees	131,505	110,211	119,436	110,000	132,116	110,000
7645 Maintenance services	-	-	-	-	239	-
7699 Other services	33,301	1,430	81,766	5,000	149,129	-
7805 Computer equipment	3,585	8,412	300	10,000	88	2,500
7806 Software licenses-new	412	645	739	25,000	-	5,000
7820 Office furniture & equipment	5,976	4,847	1,185	5,000	3,205	3,000
7899 Other minor tools & equipment	-	1,376	1,663	2,000	295	2,000
<i>O&M NON-PERSONNEL TOTAL</i>	358,384	309,409	401,584	385,803	455,157	297,454
	998,950	969,504	1,079,540	1,033,679	1,087,937	946,627



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

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

OUTCOME MEASURES

Recognition of employee for living BPUB's core values

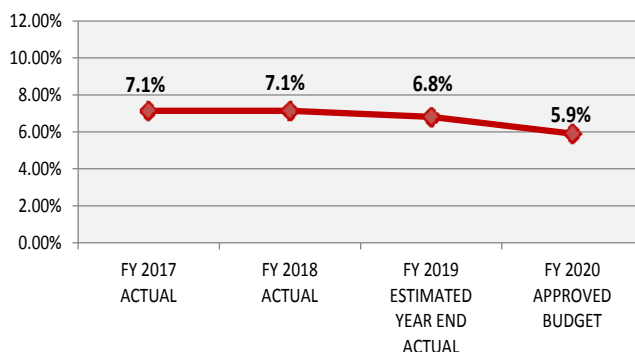
EFFICIENCY MEASURES

Maintain company-wide turnover at less than 6%

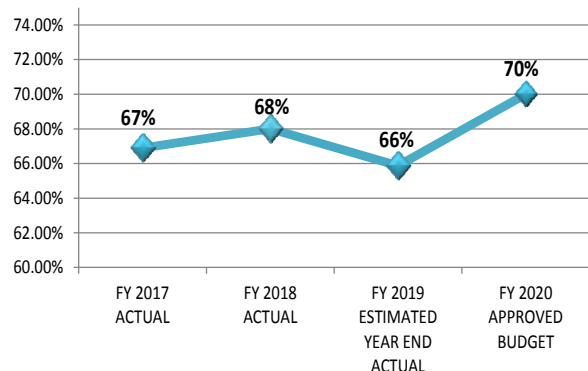
5-year retention of new hires

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
2	2	3	3
\$ 663,631	\$ 599,450	\$ 824,225	\$ 699,358
91.1%	90.0%	90.0%	95.0%
225	250	275	300
7.1%	7.1%	6.8%	5.9%
67%	68%	66%	70%

Maintain company-wide turnover at less than 6%



5-year retention of new hires



DEPARTMENT 7140 - HUMAN RESOURCES

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 206,972	\$ 128,155	\$ 128,668	\$ 128,752	\$ 137,025	\$ 128,752
6105 Administrative Staff	113,649	-	-	-	-	-
6110 Clerical staff	80,598	39,515	41,159	39,770	42,856	68,203
6130 Overtime	5,598	4,784	8,302	5,736	7,775	5,736
6201 T.M.R.S.	72,071	62,017	41,383	30,115	51,584	34,408
6205 F.I.C.A.	25,971	20,015	13,389	10,448	17,039	12,211
6210 Medicare	6,323	4,863	3,245	2,444	4,079	2,856
6214 Dental Insurance	1,919	1,544	765	558	1,548	1,653
6215 Hospitalization insurance	61,038	50,700	24,652	17,339	32,484	26,738
6220 Life Insurance	551	232	210	186	217	222
6221 Long Term Disability Insurance	1,081	473	192	337	291	394
6225 Workers Compensation	11,514	8,841	5,798	4,213	7,279	4,924
6230 Vacation leave	(7,573)	(11,291)	1,578	2,152	(4,673)	2,515
6235 Sick leave	(3,942)	(43,946)	788	2,367	875	2,766
6240 Educational assistance	1,245	-	-	-	(6)	-
6242 Auto Benefits	7,488	7,482	7,506	7,500	8,365	7,500
6243 Telephone Benefits	1,677	1,676	1,681	1,680	1,874	1,680
6250 Miscellaneous personnel benefits	109,834	71,390	88,445	70,000	68,389	80,000
6260 Vacancy Savings	-	-	-	(11,708)	-	(14,018)
<i>O&M PERSONNEL TOTAL</i>	696,016	346,450	367,761	311,888	377,000	366,539
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	500	-	500
7110 Dues & memberships	4,046	1,043	1,618	1,624	1,623	1,624
7115 Educational material	219	36	536	1,000	-	1,000
7120 Office supplies	7,312	4,458	2,130	5,000	3,822	5,000
7130 Postage/shipping charges	15	61	-	500	89	500
7135 Telephone expenses	-	-	-	1,000	-	1,000
7140 Training expenses	7,103	604	700	8,000	1,016	3,633
7145 Travel expenses	10,532	1,179	954	5,000	1,791	4,512
7147 Mileage Reimbursement (InTownExp)	150	44	204	350	208	350
7155 Initial Certificatn/Licensing Reimb	829	-	-	-	-	-
7299 Other materials & supplies	587	786	495	500	378	500
7315 Food, meals, ice, water	1,680	2,766	2,317	2,500	4,197	2,500
7322 Recognition Program	44,626	39,290	38,176	55,000	55,331	55,000
7325 Rental of equip/storage/land	5,352	4,978	2,760	5,600	6,724	6,200
7420 Parts	-	-	(92)	-	-	-
7501 Maint. of buildings & structures	-	5,650	-	-	-	-
7601 Legal Fees	127,947	141,441	152,141	85,000	206,775	125,000
7605 Engineering fees	19,528	17,676	15,000	100,000	149,028	100,000
7699 Other services	130,877	95,796	10,139	85,000	16,179	25,000
7805 Computer equipment	1,772	324	27	3,600	-	-
7820 Office furniture & equipment	1,772	1,050	4,586	7,500	65	500
<i>O&M NON-PERSONNEL TOTAL</i>	364,347	317,181	231,689	367,674	447,225	332,819
	1,060,363	663,631	599,450	679,562	824,225	699,358



Department Responsibility: **Joe Paredes**

Title: **Talent Acquisition & Staffing Manager**

Telephone Ext: **6131**

Dept. No: **7145**

PERFORMANCE MEASURES FOR THE TALENT ACQUISITION AND STAFFING DEPARTMENT

Department Function:

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

Department Goals/Objectives:

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

INPUT MEASURES

Employees (FTEs)
Total O&M Expenses

OUTPUT MEASURES

Interviews of Prospective Employees
Job Announcements
Job Offers

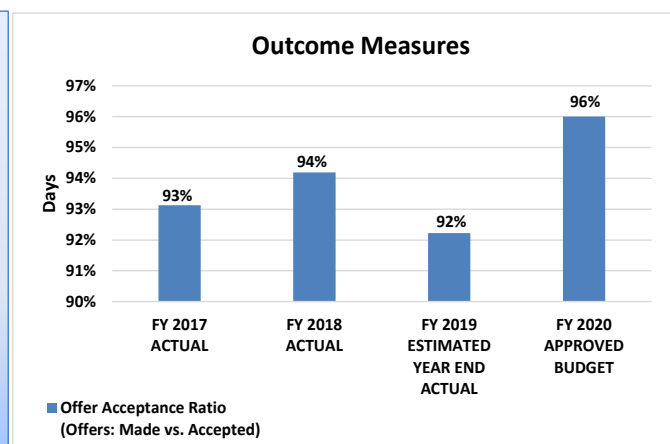
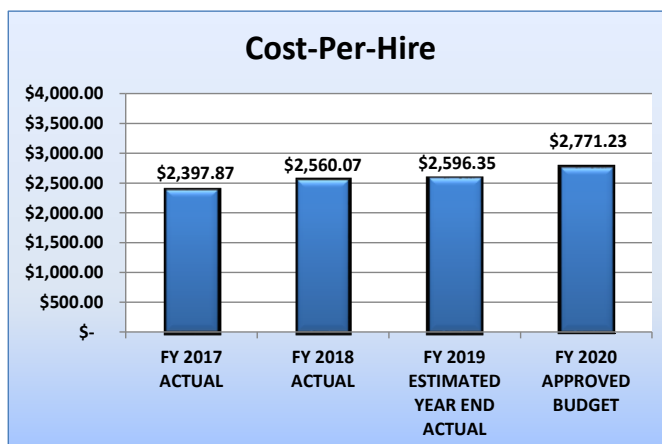
OUTCOME MEASURES

Interviews to Job Offers Ratio
Fill Rate (Position Requests vs. Job Offers Made)
Offer Acceptance Ratio (Offers: Made vs. Accepted)

EFFICIENCY MEASURES

Recruitment Cost per Hire

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
3	4	3	3
\$ 268,561	\$ 307,208	\$ 311,562	\$ 332,548
361	221	232	230
94	46	59	55
131	86	90	100
36%	39%	39%	43%
96%	98%	98%	98%
93%	94%	92%	96%
\$ 2,397.87	\$ 2,560.07	\$ 2,596.35	\$ 2,771.23



DEPARTMENT 7145 – TALENT ACQUISITION AND STAFFING

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 44,694	\$ 18,323	\$ -	\$ -	\$ -	\$ -
6105 Administrative Staff	33,335	109,409	150,000	165,381	157,661	165,381
6110 Clerical staff	28,676	36,271	38,373	38,022	26,158	-
6130 Overtime	829	361	519	1,426	453	-
6201 T.M.R.S.	18,920	29,068	33,781	36,348	33,678	28,892
6205 F.I.C.A.	6,169	9,274	10,652	12,611	10,570	10,254
6210 Medicare	1,443	2,169	2,491	2,949	2,472	2,398
6214 Dental Insurance	627	930	1,085	1,116	2,152	2,429
6215 Hospitalization insurance	20,883	33,270	40,094	41,257	39,083	37,067
6220 Life Insurance	142	218	226	238	187	191
6221 Long Term Disability Insurance	269	426	163	407	286	331
6225 Workers Compensation	2,692	4,190	5,086	5,085	5,007	4,135
6230 Vacation leave	6,902	2,414	(1,093)	2,597	(161)	2,112
6235 Sick leave	11,038	(3,244)	3,920	2,857	557	2,323
6240 Educational assistance	-	3,348	5,610	3,500	(2,284)	-
6260 Vacancy Savings	-	-	-	(15,171)	-	(12,554)
<i>O&M PERSONNEL TOTAL</i>	176,617	246,426	290,907	298,623	275,817	242,957
<i>O&M NON-PERSONNEL</i>						
7101 Advertising	4,234	4,754	4,370	12,000	4,343	6,000
7105 Books & periodicals	-	-	-	500	217	500
7110 Dues & memberships	190	815	995	1,040	585	830
7120 Office supplies	336	923	1,453	2,000	1,404	2,000
7130 Postage/shipping charges	-	-	-	500	32	500
7135 Telephone expenses	238	-	-	-	-	-
7140 Training expenses	6,620	1,230	345	4,000	60	1,365
7145 Travel expenses	5,162	5,952	4,056	6,000	1,579	1,696
7147 Mileage Reimbursement (InTownExp)	439	-	-	500	-	500
7150 Recruitment Expenses	4,058	4,999	2,227	14,000	3,148	5,000
7299 Other materials & supplies	80	492	51	500	-	500
7315 Food, meals, ice, water	91	254	252	700	211	700
7635 Software maintenance service fees	-	-	-	30,000	22,578	15,000
7699 Other services	-	30	3,324	20,000	1,589	55,000
7805 Computer equipment	-	1,747	(1,420)	4,500	-	-
7820 Office furniture & equipment	-	940	648	1,200	-	-
<i>O&M NON-PERSONNEL TOTAL</i>	21,448	22,135	16,301	97,440	35,745	89,591
	198,065	268,561	307,208	396,063	311,562	332,548



Department Responsibility: Hector Quintanilla

Title: Fleet Services Manager

Telephone Ext: 6325

Dept. No: 7150

PERFORMANCE MEASURES FOR THE FLEET MANAGEMENT DEPARTMENT

Department Function:

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

Department Goals/Objectives:

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

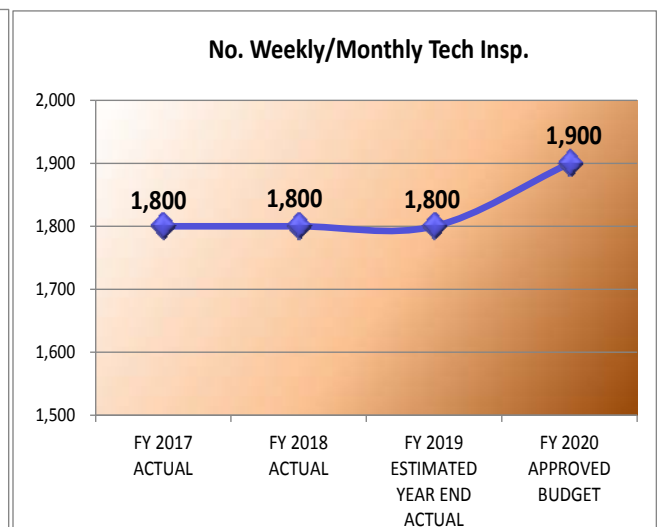
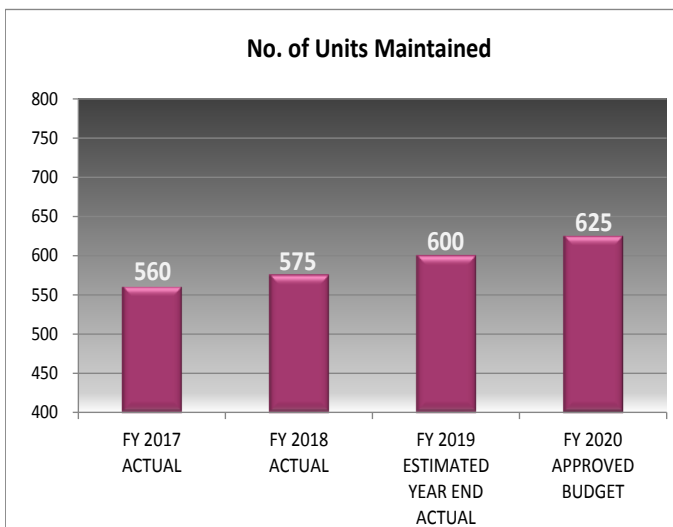
INPUT MEASURES

No. of Employees
No. of Scheduled Preventive Maintenance
No. State/DOT Inspections
No. Safety Inspections/Month
Technicians to Equipment Ratio

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
10	10	10	10
350	400	450	500
330	350	350	375
1,800	1,800	1,800	1,900
1:93	1:96	1:100	1:125
560	575	600	625
1,800	1,800	1,800	1,900
3,400	3,500	4,500	2,500

OUTPUT MEASURES

No. of Units Maintained
No. Weekly/Monthly Tech Insp.
No. W.O. Generated



DEPARTMENT 7150 – FLEET MANAGEMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 52,598	\$ 61,181	\$ 61,318	\$ 61,318	\$ 61,613	\$ 61,318
6105 Administrative Staff	24,506	34,783	34,459	34,861	27,556	36,691
6110 Clerical staff	20,728	22,470	23,332	22,813	23,602	22,813
6115 Operational staff	248,751	235,691	259,933	258,586	213,159	238,917
6130 Overtime	10,136	8,102	15,574	10,054	9,074	10,500
6201 T.M.R.S.	59,425	63,333	70,018	67,473	76,120	62,847
6205 F.I.C.A.	21,429	21,726	23,760	23,410	21,037	22,304
6206 Suta	5,269	7,185	-	-	-	-
6210 Medicare	5,012	5,081	5,557	5,475	4,920	5,216
6214 Dental Insurance	2,057	2,012	2,167	2,232	2,895	4,031
6215 Hospitalization insurance	58,269	55,656	60,567	62,855	52,357	64,947
6220 Life Insurance	479	479	430	447	321	428
6221 Long Term Disability Insurance	908	(1,077)	(739)	755	479	719
6225 Workers Compensation	11,114	10,953	10,851	9,439	8,649	8,994
6230 Vacation leave	4,454	(592)	1,453	4,821	5,722	4,593
6235 Sick leave	18,181	7,080	5,670	5,303	(15,102)	5,053
6260 Vacancy Savings	-	-	-	(27,483)	-	(26,461)
<i>O&M PERSONNEL TOTAL</i>	543,315	534,062	574,349	542,360	492,401	522,911
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	5,000	-	5,000
7110 Dues & memberships	-	1,390	228	1,000	122	1,500
7120 Office supplies	6,596	3,540	4,347	4,000	4,059	4,000
7130 Postage/shipping charges	1,656	5,936	2,655	4,500	2,403	4,500
7135 Telephone expenses	238	-	-	-	-	-
7140 Training expenses	-	480	480	5,000	780	11,088
7145 Travel expenses	59	1,334	-	2,000	1,357	8,320
7180 Utilities - departmental	22,404	21,682	17,064	20,000	15,272	15,000
7199 Miscellaneous office expenses	-	-	41	-	-	-
7215 Laundry & janitorial supplies	10	375	10	500	-	500
7225 Safety supplies	-	-	458	1,000	244	1,000
7293 Chemicals - other	193	1,527	-	2,000	-	2,000
7299 Other materials & supplies	60,934	62,999	58,510	48,000	15,052	10,000
7304 Hurricane Preparedness Expenses	22,890	20,605	2,750	30,000	8,796	30,000
7305 ERCOT expenses	-	-	8	-	-	-
7310 Federal, state, & local fees	5,617	4,633	6,144	7,500	5,403	7,500
7315 Food, meals, ice, water	352	787	637	1,200	718	1,200
7325 Rental of equip/storage/land	-	-	-	100	1,080	500
7335 Wearing apparel & dry goods	2,367	3,410	3,951	3,000	2,647	3,000
7405 Auto body repairs	8,611	18,867	12,185	15,000	-	15,000
7410 Batteries	16,016	20,567	9,791	15,000	-	-
7415 Fuels & lubricants	18,234	23,925	15,629	19,000	14,771	19,000
7420 Parts	396,709	375,199	476,814	280,000	496,849	400,000
7425 Road service	24,266	25,710	27,346	15,000	56,275	40,000
7430 Tires	85,115	97,441	89,662	85,000	52,550	55,000
7520 Maint. of minor equipment	413	-	-	-	-	-
7635 Software maintenance service fees	6,777	4,014	8,263	15,000	12,305	20,000
7645 Maintenance services	414,638	476,711	650,447	350,000	395,979	345,000
7699 Other services	48,949	-	114,378	72,000	36,732	50,000
7805 Computer equipment	618	-	-	7,000	-	7,000
7820 Office furniture & equipment	-	1,029	870	2,000	-	2,000
7835 Tools, shop and garage equipment	16,574	1,029	11,639	6,000	3,751	5,000
7899 Other minor tools & equipment	16,509	2,095	3,690	6,000	-	6,000
<i>O&M NON-PERSONNEL TOTAL</i>	1,176,744	1,175,284	1,517,996	1,021,800	1,127,146	1,069,108
	1,720,059	1,709,346	2,092,345	1,564,160	1,619,547	1,592,019



Department Responsibility: Arianna Ramirez

Title: Compensation & Benefits Manager

Telephone Ext: 6190

Dept. No. 7155

PERFORMANCE MEASURES FOR THE COMPENSATION & BENEFITS DEPARTMENT

Department Function:

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

INPUT MEASURES

Employees (FTEs)

Total O&M Expenses

OUTPUT MEASURES

Average Hourly Rate in Workforce

Number of Onboarded Employees

Number of Separations (FTE)

OUTCOME MEASURES

Wellness Program (Bi-Monthly)

Average Employee Tenure in BPUB in years

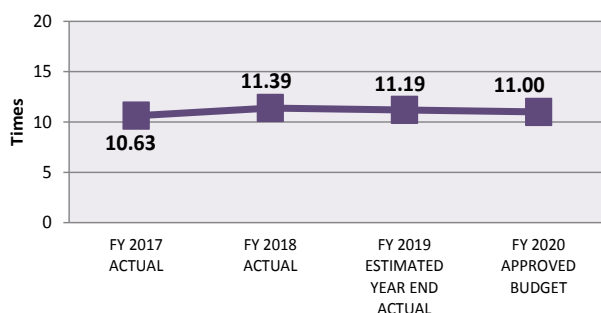
Internal Market Review Conducted As Percent of Workforce

EFFICIENCY MEASURES

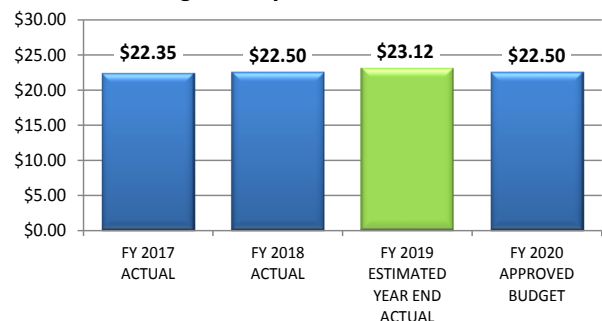
Number of C&B Staff to FTEs

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
4	4	4	4
\$475,736	\$430,257	\$380,059	\$504,175
\$22.35	\$22.50	\$23.12	\$22.50
57	53	51	53
41	39	38	35
1	7	12	12
10.63	11.39	11.19	11.00
9.6%	17.5%	0%	0%
1:146	1:146	1:146	1:98

Average Employee Tenure in BPUB in years



Average Hourly Rate in Workforce



DEPARTMENT 7155 – COMPENSATION & BENEFITS

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ -	\$ 67,592	\$ 85,827	\$ 67,184	\$ 71,645	\$ 67,184
6105 Administrative Staff	-	115,482	140,242	105,851	123,482	157,934
6110 Clerical staff	-	20,261	-	62,712	-	-
6130 Overtime	-	107	-	1,085	-	1,450
6201 T.M.R.S.	-	40,805	40,428	42,128	34,223	39,328
6205 F.I.C.A.	-	13,550	13,219	14,616	11,365	13,957
6210 Medicare	-	3,169	3,092	3,418	2,658	3,264
6214 Dental Insurance	-	1,033	1,082	1,116	1,633	2,261
6215 Hospitalization insurance	-	35,123	37,594	38,754	31,792	38,742
6220 Life Insurance	-	285	256	270	181	258
6221 Long Term Disability Insurance	-	562	192	471	288	450
6225 Workers Compensation	-	5,929	5,740	5,894	4,903	5,628
6230 Vacation leave	-	18,850	(929)	3,010	(1,177)	2,874
6235 Sick leave	-	67,750	1,006	3,311	(8,976)	3,162
6240 Educational assistance	-	2,258	-	-	2,877	5,000
6250 Miscellaneous personnel benefits	-	7,044	24,864	57,000	35,299	57,000
6260 Vacancy Savings	-	-	-	(17,121)	-	(16,450)
<i>O&M PERSONNEL TOTAL</i>	-	399,800	352,612	389,701	310,193	382,043
<i>O&M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	1,605	-	1,500
7110 Dues & memberships	-	1,299	1,479	2,160	1,684	2,160
7115 Educational material	-	1,296	897	1,000	-	1,000
7120 Office supplies	-	1,945	4,991	6,000	2,546	5,000
7130 Postage/shipping charges	-	-	-	500	64	500
7135 Telephone expenses	-	-	-	1,000	-	1,000
7140 Training expenses	-	1,810	1,034	4,000	2,520	2,730
7145 Travel expenses	-	4,682	2,507	5,000	3,432	3,392
7147 Mileage Reimbursement (InTownExp)	-	-	-	200	-	350
7155 Initial Certificatn/Licensing Reimb	-	460	-	12,000	-	-
7299 Other materials & supplies	-	389	90	500	683	500
7315 Food, meals, ice, water	-	421	521	1,000	580	1,000
7325 Rental of equip/storage/land	-	-	277	8,600	431	9,000
7601 Legal Fees	-	145	-	15,000	-	-
7635 Software maintenance service fees	-	-	13,500	16,000	13,500	13,500
7699 Other services	-	59,257	50,621	95,000	42,143	58,000
7805 Computer equipment	-	56	-	3,600	-	2,500
7806 Software licenses-new	-	-	-	20,900	1,699	20,000
7820 Office furniture & equipment	-	4,176	1,727	5,000	585	-
<i>O&M NON-PERSONNEL TOTAL</i>	-	75,936	77,645	199,065	69,866	122,132
	-	475,736	430,257	588,766	380,059	504,175



Department Responsibility: **Jeffrey Stedje**

Title: **Facilities Maintenance Manager**

Telephone Ext: **6170**

Dept. No: **7160**

PERFORMANCE MEASURES FOR THE FACILITY MAINTENANCE DEPARTMENT

Department Function:

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

Department Goals/Objectives:

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

INPUT MEASURES

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

OUTPUT MEASURES

No. of custodial work requests
Admin. Bldg. daily water consumption/gals
A/C repair cost in dollars
Preventative service agreement cost in dollars

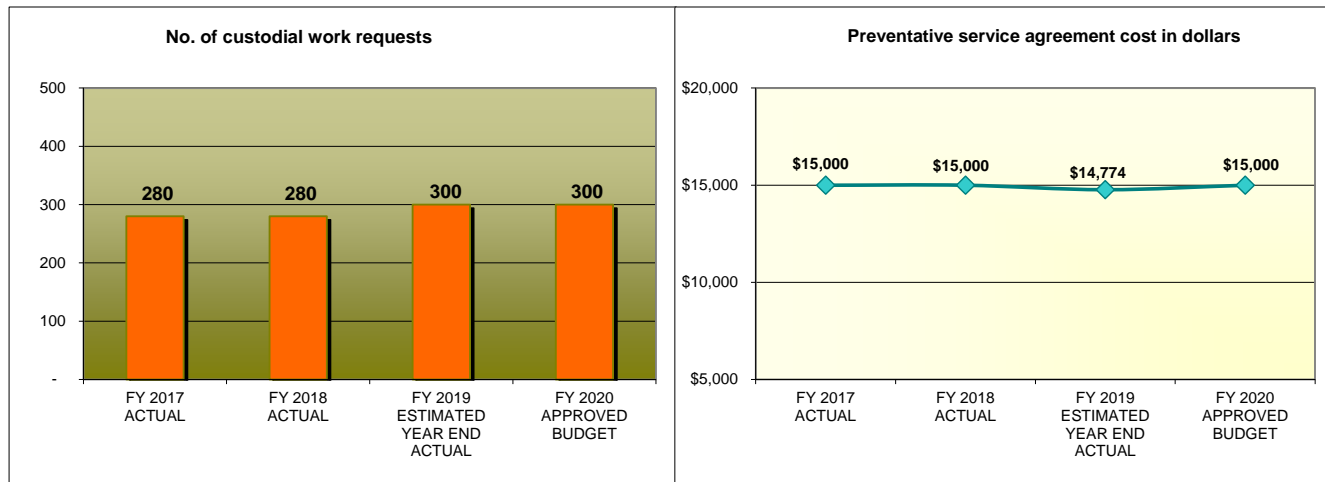
OUTCOME MEASURES

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.

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
4	4	4	4
\$ 209,763	\$ 225,496	\$ 227,209	\$ 216,283
\$ 1,008,753	\$ 961,977	\$ 1,032,477	\$ 1,014,950
\$ 1,218,516	\$ 1,187,473	\$ 1,259,686	\$ 1,231,233
280	280	300	300
700	750	760	760
\$ 6,000	\$ 16,000	\$ 10,000	\$ 10,000
\$ 15,000	\$ 15,000	\$ 14,774	\$ 15,000
Yes	Yes	Yes	Yes
No	Yes	Yes	Yes
Yes	Yes	Yes	Yes
33,000	33,000	33,000	33,000
\$ 0.636	\$ 0.939	\$ 0.751	\$ 0.758



DEPARTMENT 7160 – FACILITY MAINTENANCE

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 49,772	\$ 55,236	\$ 64,002	\$ 64,002	\$ 65,056	\$ 64,002
6115 Operational staff	73,063	79,680	77,068	70,637	75,538	74,714
6130 Overtime	1,328	1,378	1,546	2,118	2,176	4,697
6201 T.M.R.S.	20,678	25,292	26,201	24,026	25,291	24,234
6205 F.I.C.A.	7,267	8,310	8,620	8,348	8,297	8,600
6210 Medicare	1,699	1,943	2,016	1,952	1,940	2,011
6214 Dental Insurance	1,071	1,095	1,043	1,116	2,042	2,587
6215 Hospitalization insurance	32,206	33,868	32,463	34,059	34,969	38,742
6220 Life Insurance	182	190	170	169	145	173
6221 Long Term Disability Insurance	325	348	124	269	208	277
6225 Workers Compensation	3,116	3,582	3,663	3,366	3,570	3,468
6230 Vacation leave	438	2,675	4,251	1,719	3,928	1,771
6235 Sick leave	(2,404)	(3,835)	4,329	1,891	4,047	1,948
6260 Vacancy Savings	-	-	-	(10,397)	-	(10,940)
<i>O&M PERSONNEL TOTAL</i>	188,742	209,763	225,496	203,275	227,209	216,283
<i>O&M NON-PERSONNEL</i>						
7120 Office supplies	135	977	75	200	607	300
7135 Telephone expenses	178,827	181,129	149,830	152,000	158,628	153,208
7140 Training expenses	159	200	-	250	217	210
7145 Travel expenses	99	904	-	1,500	2,333	1,728
7147 Mileage Reimbursement (InTownExp)	-	17	198	600	652	600
7155 Initial Certificatn/Licensing Reimb	-	-	-	-	298	300
7180 Utilities - departmental	119,393	117,939	117,159	130,000	125,558	110,000
7210 Landscaping/Trade a Tree Program	-	-	-	7,000	-	7,000
7299 Other materials & supplies	114,285	66,998	38,528	71,000	28,966	40,000
7310 Federal, state, & local fees	-	-	-	10	-	100
7315 Food, meals, ice, water	49	49	50	70	50	120
7335 Wearing apparel & dry goods	702	812	940	1,000	977	1,413
7415 Fuels & lubricants	38	390	40	-	6	-
7501 Maint. of buildings & structures	5,400	20,549	19,438	30,000	11,597	20,000
7599 Maintenance / other	15,126	12,994	6,453	-	-	-
7645 Maintenance services	40,138	34,376	47,486	50,000	69,468	65,000
7650 Security services	1,125	539	1,199	1,500	3,022	2,678
7660 Ground Keeping Maintenance	293,365	324,158	352,148	375,000	366,444	359,293
7699 Other services	130,787	246,722	226,572	135,700	260,493	250,000
7820 Office furniture & equipment	367	-	441	900	2,976	500
7899 Other minor tools & equipment	-	-	1,420	2,500	186	2,500
<i>O&M NON-PERSONNEL TOTAL</i>	899,995	1,008,753	961,977	959,230	1,032,477	1,014,950
	1,088,737	1,218,516	1,187,473	1,162,505	1,259,686	1,231,233



Department Responsibility:

Jovan Coblentz

Title:

Health and Safety Manager

Telephone Ext:

6291

Dept. No:

7165

PERFORMANCE MEASURES FOR THE SECURITY OPERATIONS DEPARTMENT

Department Function:

The purpose of the Security Operations Department is to provide security guard services for multiple BPUB facilities. Facilities include water treatment plants, water towers, wastewater treatment plants, a power plant, electric substations, wastewater lift stations, office buildings, and other utility facilities.

Department Goals/Objectives:

The Security Operations Department objective is to maintain a professional security presence and response for the protection and well-being of employees, customers, visitors, assets of the facilities, and to any facilities that may be added to by BPUB.

	FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
INPUT MEASURES				
Employees (FTE)	-	-	-	2
Total O&M Expenses	-	-	-	\$1,190,790
OUTPUT MEASURES				
Roving Patrols	-	-	-	1,465
Static Guards	-	-	-	2,288
Supervisor Patrol	-	-	-	365
OUTCOME MEASURES				
Daily Activity Reports Submitted	-	-	-	365
Deggy Reports	-	-	-	365
EFFICIENCY MEASURES				
Facilities Secured	-	-	-	100%

Note: New department created in 2020

DEPARTMENT 7165 – SECURITY OPERATIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 68,432
6105 Administrative Staff	-	-	-	-	-	61,817
6201 T.M.R.S.	-	-	-	-	-	22,755
6205 F.I.C.A.	-	-	-	-	-	8,075
6210 Medicare	-	-	-	-	-	1,889
6214 Dental Insurance	-	-	-	-	-	1,293
6215 Hospitalization insurance	-	-	-	-	-	19,371
6220 Life Insurance	-	-	-	-	-	148
6221 Long Term Disability Insurance	-	-	-	-	-	261
6225 Workers Compensation	-	-	-	-	-	3,256
6230 Vacation leave	-	-	-	-	-	1,663
6235 Sick leave	-	-	-	-	-	1,830
<i>O&M PERSONNEL TOTAL</i>	-	-	-	-	-	190,790
<i>O&M NON-PERSONNEL</i>						
7650 Security services	-	-	-	-	-	1,000,000
<i>O&M NON-PERSONNEL TOTAL</i>	-	-	-	-	-	1,000,000
	-	-	-	-	-	1,190,790



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 Expenses
O&M Non-Personnel Expenses
Total O&M Expenses

OUTPUT MEASURES

Fiscal Year End Inventory Value
Stores Requisitions

OUTCOME MEASURES

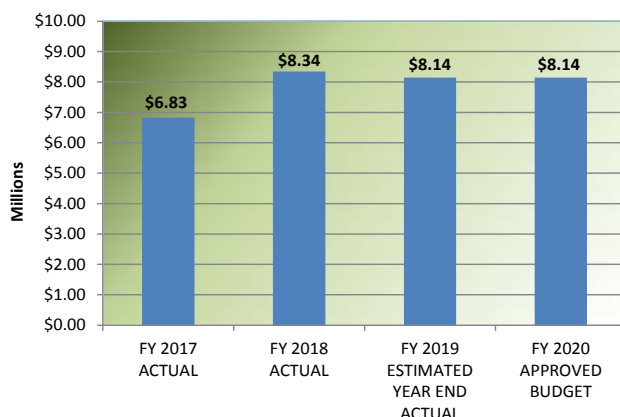
Inventory Accuracy
Stores Issues/Returns
No. of Year-End Commodity Adjustments

EFFICIENCY MEASURES

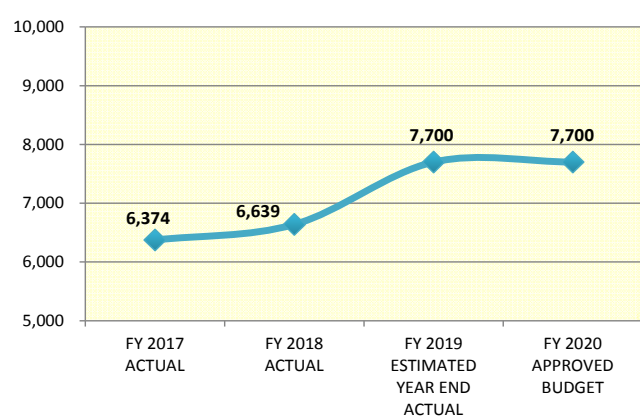
Stores Issues per Employee
Value of Year End Inventory Adjustments
Average Cost of Monthly Inventory

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
6	6	5	5
\$ 293,467	\$ 308,941	\$ 291,101	\$ 263,884
\$ 31,917	\$ 41,114	\$ 34,503	\$ 38,486
\$ 325,384	\$ 350,055	\$ 325,604	\$ 302,370
\$ 6,826,537	\$ 8,343,934	\$ 8,143,131	\$ 8,143,131
6,374	6,639	7,700	7,700
94%	99%	99%	99%
6,490	6,237	7,750	7,750
150	152	140	130
1,623	1,559	1,938	1,291
\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
\$ 568,878	\$ 695,327.85	\$ 678,594	\$ 678,594

Fiscal Year End Inventory Value



Stores Requisitions



DEPARTMENT 7170 – WAREHOUSE

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ 44,627	\$ 46,469	\$ 48,547	\$ 48,547	\$ 48,734	\$ 48,547
6110 Clerical staff	25,782	28,111	31,217	31,200	20,400	-
6115 Operational staff	98,622	108,836	115,641	113,110	115,472	112,528
6130 Overtime	2,345	1,786	5,581	2,134	4,411	4,102
6201 T.M.R.S.	29,897	32,576	35,945	34,464	33,273	28,140
6205 F.I.C.A.	10,434	10,608	11,621	11,957	10,544	9,987
6210 Medicare	2,440	2,481	2,718	2,796	2,466	2,336
6214 Dental Insurance	1,574	1,617	1,597	1,674	2,872	3,396
6215 Hospitalization insurance	45,781	49,257	49,304	51,398	52,960	56,790
6220 Life Insurance	251	265	237	245	189	204
6221 Long Term Disability Insurance	441	478	164	386	267	322
6225 Workers Compensation	4,583	4,655	5,090	4,821	4,719	4,027
6230 Vacation leave	(2,033)	1,591	(1,002)	2,462	1,973	2,057
6235 Sick leave	1,571	2,640	(325)	2,709	(7,879)	2,262
6240 Educational assistance	2,031	2,097	2,605	2,000	699	2,500
6260 Vacancy Savings	-	-	-	(15,030)	-	(13,314)
<i>O&M PERSONNEL TOTAL</i>	<u>268,345</u>	<u>293,467</u>	<u>308,941</u>	<u>294,874</u>	<u>291,101</u>	<u>263,884</u>
<i>O&M NON-PERSONNEL</i>						
7120 Office supplies	1,096	103	46	-	75	-
7130 Postage/shipping charges	-	-	14	-	-	-
7145 Travel expenses	-	-	60	-	-	-
7215 Laundry & janitorial supplies	18	8	3	200	16	200
7225 Safety supplies	77	88	141	150	209	200
7299 Other materials & supplies	2,480	2,576	5,487	5,000	3,774	5,000
7315 Food, meals, ice, water	362	409	584	600	45	500
7335 Wearing apparel & dry goods	2,504	2,257	2,615	2,000	2,222	2,500
7415 Fuels & lubricants	1,493	1,776	2,330	2,500	1,998	2,500
7520 Maint. of minor equipment	297	-	475	500	-	500
7645 Maintenance services	280	1,854	1,182	3,200	1,858	3,200
7699 Other services	26,829	22,586	27,384	25,000	23,141	20,000
7805 Computer equipment	3,110	-	-	-	735	586
7806 Software licenses-new	-	-	-	-	-	1,300
7820 Office furniture & equipment	839	-	184	-	400	-
7835 Tools, shop and garage equipment	99	-	-	-	-	-
7899 Other minor tools & equipment	442	260	609	5,800	29	2,000
<i>O&M NON-PERSONNEL TOTAL</i>	<u>39,927</u>	<u>31,917</u>	<u>41,114</u>	<u>44,950</u>	<u>34,503</u>	<u>38,486</u>
	308,272	325,384	350,055	339,824	325,604	302,370



Department Responsibility: Jeffry Stedje

Title: Facilities Maintenance Manager

Telephone Ext: 6170

Dept. No: 7175

**PERFORMANCE MEASURES
FOR THE
FACILITY MAINTENANCE-FM511 SERVICE YARD DEPARTMENT**

Department Function:

This department is responsible for the facility maintenance, which includes electrical, HVAC, janitorial and plumbing work. The department is also responsible for groundskeeping at the 511 service yard.

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 Expenses
O&M Non-Personnel Expenses
Total O&M Expenses

OUTPUT MEASURES

No. of custodial work requests
Admin. Bldg. daily water consumption/gals

OUTCOME MEASURES

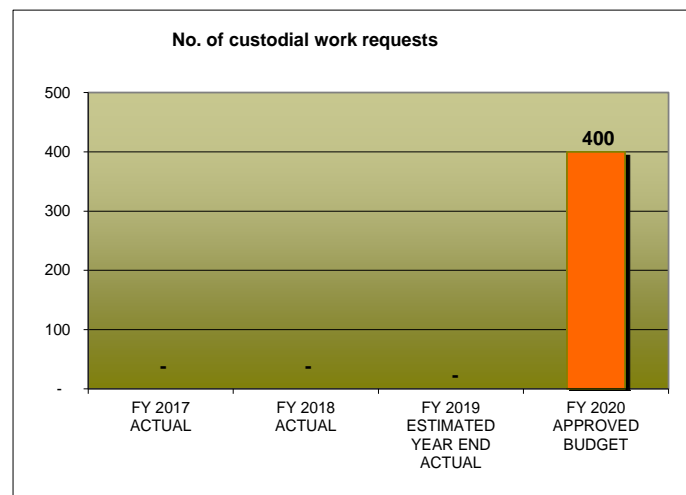
Maintain/ improve customer service
Improve water conservation
Limit repair cost

EFFICIENCY MEASURES

Square Feet of Facility Maintenance

FY 2017 ACTUAL	FY 2018 ACTUAL	FY 2019 ESTIMATED YEAR END ACTUAL	FY 2020 APPROVED BUDGET
N/A	N/A	N/A	4
\$ -	\$ -	\$ -	\$ 177,391
\$ -	\$ -	\$ -	\$ 208,528
\$ -	\$ -	\$ -	\$ 385,919
N/A	N/A	N/A	400
N/A	N/A	N/A	1,200
N/A	N/A	N/A	Yes
N/A	N/A	N/A	Yes
N/A	N/A	N/A	Yes
-	-	-	60,000

This department was created in FY 2020, therefore no data for prior years is available.



DEPARTMENT 7175 – FACILITY MAINTENANCE-FM 511 SERVICE YARD

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 42,016
6115 Operational staff	-	-	-	-	-	69,285
6130 Overtime	-	-	-	-	-	2,000
6201 T.M.R.S.	-	-	-	-	-	19,444
6205 F.I.C.A.	-	-	-	-	-	6,901
6210 Medicare	-	-	-	-	-	1,614
6214 Dental Insurance	-	-	-	-	-	1,935
6215 Hospitalization insurance	-	-	-	-	-	28,060
6220 Life Insurance	-	-	-	-	-	146
6221 Long Term Disability Insurance	-	-	-	-	-	223
6225 Workers Compensation	-	-	-	-	-	2,783
6230 Vacation leave	-	-	-	-	-	1,421
6235 Sick leave	-	-	-	-	-	1,564
<i>O&M PERSONNEL TOTAL</i>	-	-	-	-	-	177,391
<i>O&M NON-PERSONNEL</i>						
7120 Office supplies	-	-	-	-	-	200
7140 Training expenses	-	-	-	-	-	1,000
7180 Utilities - departmental	-	-	-	-	-	80,500
7299 Other materials & supplies	-	-	-	-	-	10,000
7335 Wearing apparel & dry goods	-	-	-	-	-	942
7501 Maint. of buildings & structures	-	-	-	-	-	20,000
7645 Maintenance services	-	-	-	-	-	5,000
7650 Security services	-	-	-	-	-	2,500
7660 Ground Keeping Maintenance	-	-	-	-	-	20,000
7699 Other services	-	-	-	-	-	65,886
7899 Other minor tools & equipment	-	-	-	-	-	2,500
<i>O&M NON-PERSONNEL TOTAL</i>	-	-	-	-	-	208,528
	-	-	-	-	-	385,919



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



Department Responsibility: Leandro G. Garcia, CPA

Title: Chief Financial Officer

Telephone Ext: 6173

Dept. No: 9110

DEPARTMENT 9110 - COMPANY - WIDE EXPENSES

Department Function:

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

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M PERSONNEL</i>						
6101 Supervision	\$ -	\$ (1,008)	\$ -	\$ -	\$ -	\$ -
6115 Operational staff	-	-	118	53,622	-	-
6120 Part-time staff	214,176	191,062	237,599	152,990	254,653	157,921
6130 Overtime	3,900	3,130	2,735	4,000	4,049	4,000
6160 Overhead Labor	-	-	-	-	-	-
6201 T.M.R.S.	325,774	1,598,169	(302,516)	9,497	2,118,443	-
6205 F.I.C.A.	13,517	11,893	14,860	12,810	16,027	9,791
6206 Suta	976	4,691	4,909	-	4,995	-
6210 Medicare	3,161	2,782	3,475	2,996	3,748	2,290
6214 Dental Insurance	144	30	-	279	11	-
6215 Hospitalization insurance	312,873	356,278	346,640	419,830	336,476	432,557
6216 Other Post-Employment Benefits (ins)	808,372	831,691	1,420,773	900,000	2,630,485	1,000,000
6220 Life Insurance	27	6,886	-	62	5	-
6221 Long Term Disability Insurance	49	(67,271)	-	107	1	-
6225 Workers Compensation	6,067	5,176	6,551	5,165	6,811	3,948
6230 Vacation leave	189	377	-	-	-	-
6235 Sick leave	151	2,514	-	-	-	-
6240 Educational assistance	-	-	-	5,000	-	5,000
6250 Miscellaneous personnel benefits	56,866	-	-	1,125,000	-	1,150,000
<i>O&M PERSONNEL TOTAL</i>	<i>1,746,242</i>	<i>2,946,400</i>	<i>1,735,144</i>	<i>2,691,359</i>	<i>5,375,703</i>	<i>2,765,507</i>
<i>O&M NON-PERSONNEL</i>						
7110 Dues & memberships	-	-	-	-	-	-
7130 Postage/shipping charges	3	-	-	-	-	-
7145 Travel expenses	506	-	-	-	-	-
7299 Other materials & supplies	528	-	-	250	-	250
7301 Bad debt expense	633,307	50,964	112,483	99,500	68,367	102,500
7310 Federal, state, & local fees	-	23	-	-	-	-
7315 Food, meals, ice, water	771	1,858	1,662	-	-	-
7325 Rental of equip/storage/land	-	-	-	-	491	-
7335 Wearing apparel & dry goods	7,872	7,627	12,324	37,000	17,756	20,000
7415 Fuels & lubricants	-	-	-	-	72,495	-
7697 O&M Contingency-Maintenance Pool	-	-	-	500,000	-	500,000
7698 O&M Contingency-Budget Pool	-	-	-	807,000	-	850,000
7699 Other services	-	81,787	15,458	20,000	632	21,000
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&M NON-PERSONNEL TOTAL</i>	<i>642,988</i>	<i>142,259</i>	<i>141,927</i>	<i>1,543,750</i>	<i>159,741</i>	<i>1,573,750</i>
	2,389,230	3,088,659	1,877,071	4,235,109	5,535,444	4,339,257



Department Responsibility: Leandro G. Garcia

Title: Chief Financial Officer

Telephone Ext: 6173

Dept. No: 9150

DEPARTMENT 9150 - PRIOR FY ENCUMBERED BUDGET

Department Functions:

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

ACCOUNT DESCRIPTION	ACTUAL FY 2016	ACTUAL FY 2017	ACTUAL FY 2018	AMENDED BUDGET FY 2019	UNAUDITED ACTUAL FY 2019	APPROVED BUDGET FY 2020
<i>O&M NON-PERSONNEL</i>						
7135 Telephone expenses	\$ 57,280	\$ -	\$ -	\$ -	\$ -	\$ -
7605 Engineering fees	99,242	2,823	-	-	-	-
7630 Construction contractor services	256,882	-	-	-	-	-
7820 Office furniture & equipment	-	1,876	-	-	-	-
<i>O&M NON-PERSONNEL TOTAL</i>	<u>413,404</u>	<u>4,699</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
	413,404	4,699	-	-	-	-

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CAPITAL BUDGET

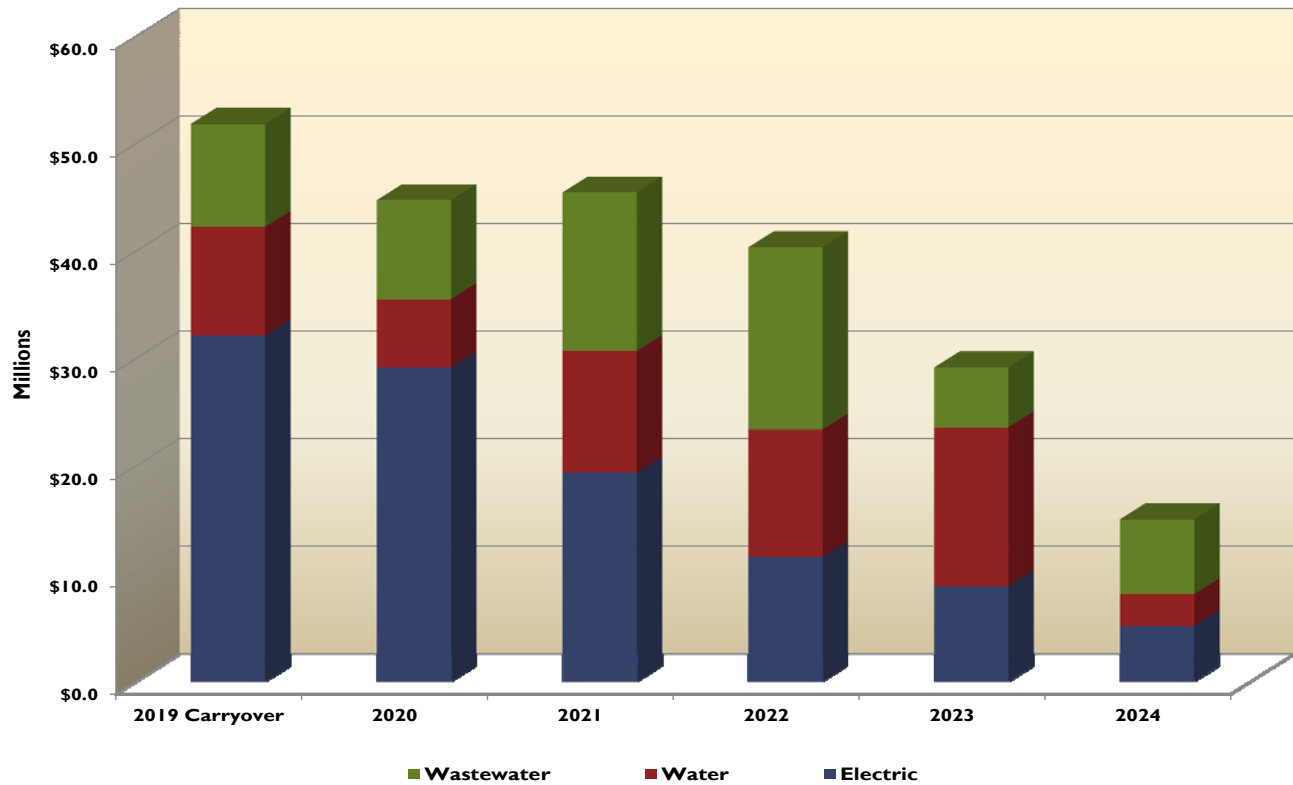
FIVE-YEAR CAPITAL IMPROVEMENT PLAN SUMMARY BY FUNDING SOURCE

Line Ref.		[A] TOTAL CARRYOVER	[B] FY 2020	[C] FY 2021	[D] FY 2022	[E] FY 2023	[F] FY 2024	[G] FIVE-YEAR TOTAL
1	Improvement Fund - CIP Funding Budget:	27,401,712	9,048,518	15,239,703	8,581,100	4,756,100	3,700,000	68,727,133
2	Improvement Fund-Capital Equipment Budget:	2,193,488	1,251,985	1,500,000	1,500,000	1,500,000	1,500,000	9,445,473
3	Improvement Fund-Facilities:	1,480,090	-	4,000,000	-	2,600,000	-	8,080,090
4	SUBTOTAL :	31,075,290	10,300,503	20,739,703	10,081,100	8,856,100	5,200,000	86,252,696
5	Planned FY 2019 Surplus Funding:	-	5,924,717	-	-	-	-	5,924,717
6	TOTAL IMPROVEMENT FUND SPENDING PLAN:	31,075,290	16,225,220	20,739,703	10,081,100	8,856,100	5,200,000	92,177,413
7	TOTAL IMPACT FEES SPENDING PLAN:	1,814,532	1,200,000	2,150,000	2,000,000	2,000,000	1,919,800	11,084,332
8	Commercial Paper Funding Budget-Internal:	9,268,824	11,585,012	21,303,185	26,823,310	18,367,000	7,970,000	95,317,331
9	Commercial Paper Funding Budget-Facilities:	9,632,435	15,781,000	2,819,000	-	-	-	28,232,435
10	¹ TOTAL COMMERCIAL PAPER SPENDING PLAN:	18,901,259	27,366,012	24,122,185	26,823,310	18,367,000	7,970,000	123,549,766
11	² TOTAL GRANTS SPENDING PLAN:	100,000	-	-	-	-	-	100,000
12	TOTAL PLANNED PROJECTS:	\$ 51,891,081	\$ 44,791,232	\$ 47,011,888	\$ 38,904,410	\$ 29,223,100	\$ 15,089,800	\$226,911,511
13	Approved Budget Total for Fiscal Year 2020:	\$ 96,682,313			Amended Budget Total for Fiscal Year 2019: \$ 81,483,958			
					% Change (2020 vs 2019): 18.65%			

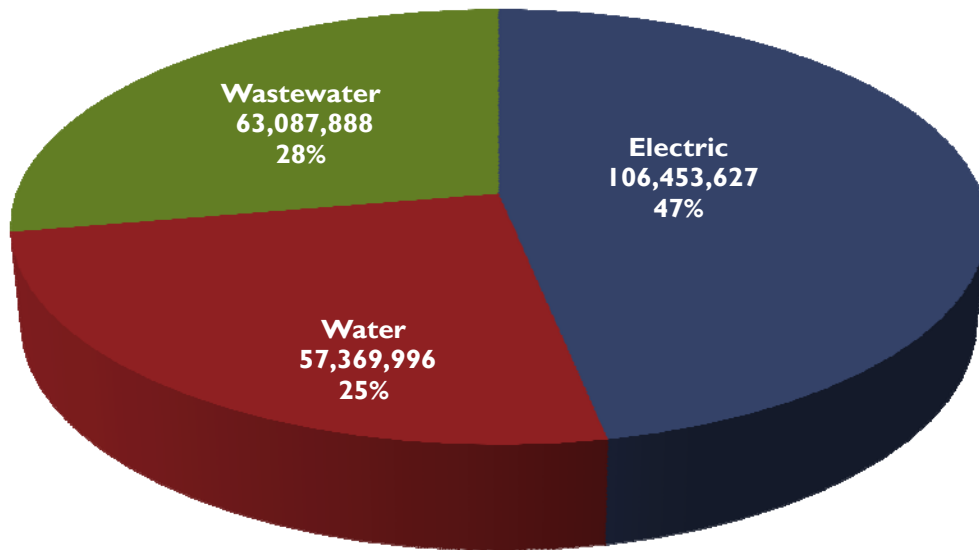
¹ Note: Total includes the carryover budget funded from the Commercial Paper Fund and future debt requirements for Fiscal Year 2020 and beyond.

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

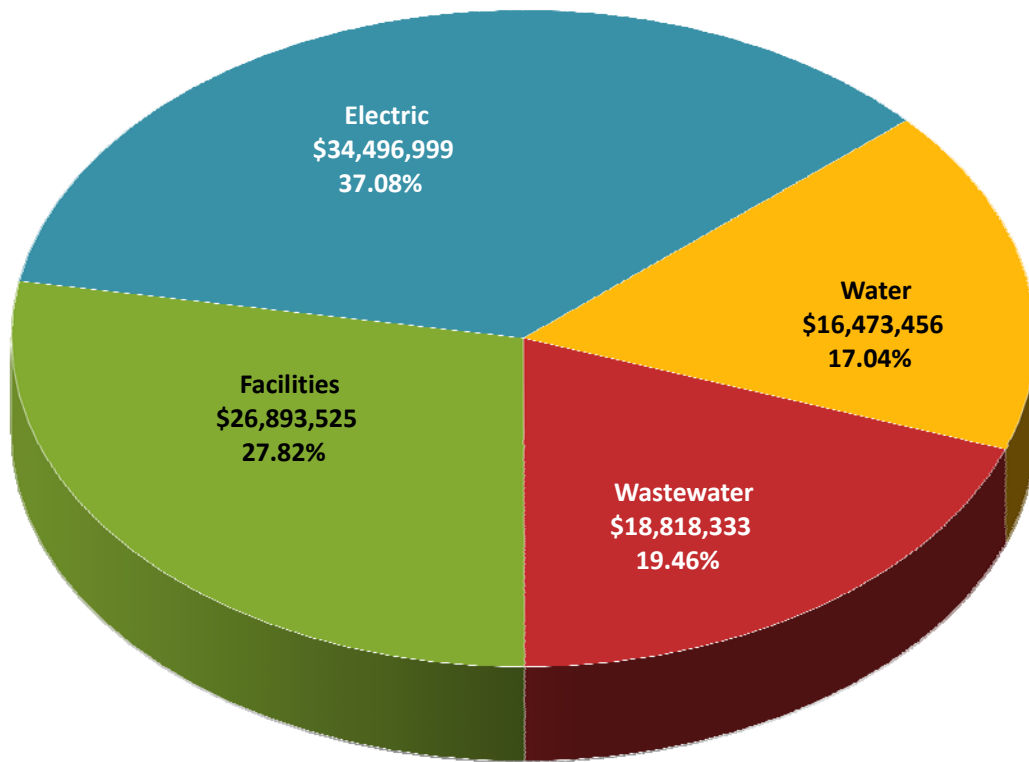
**FIVE-YEAR CAPITAL IMPROVEMENT PLAN
SUMMARY BY UTILITY CHART
\$226,911,511**



**TOTAL 5-YEAR CAPITAL IMPROVEMENT PLAN
SUMMARY BY UTILITY
\$226,911,511**



FY 2020 CAPITAL BUDGET SUMMARY
\$96,682,313

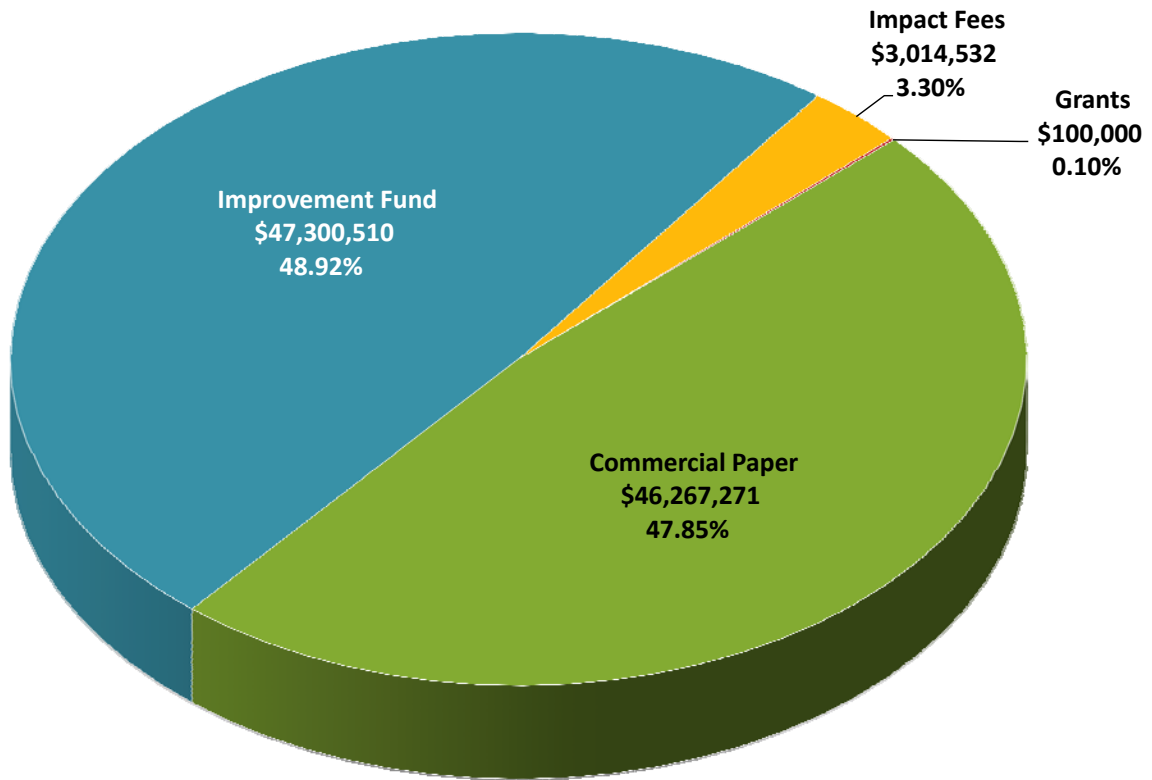


Electric	\$	34,496,999	35.68%
Water	\$	16,473,456	17.04%
Wastewater	\$	18,818,333	19.46%
Facilities	\$	26,893,525	27.82%
TOTAL	\$	96,682,313	100.00%

Note:

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

FY 2020 CAPITAL BUDGET BY FUNDING SOURCE
\$96,682,313

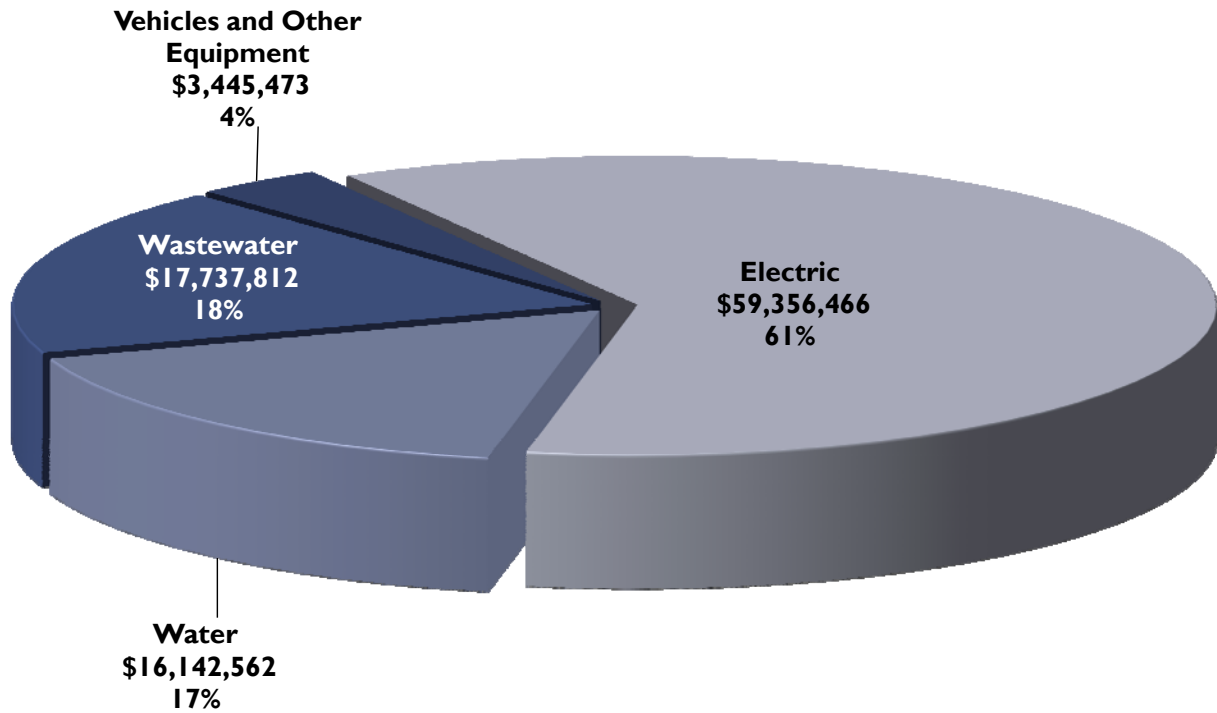


Improvement Fund	\$	47,300,510	48.93%
Impact Fees	\$	3,014,532	3.12%
Grants	\$	100,000	0.10%
Commercial Paper	\$	46,267,271	47.85%
TOTAL	\$	96,682,313	100.00%

Note:

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

FY 2020 CAPITAL BUDGET BY SYSTEM
\$96,682,313



Electric	\$	59,356,466	61.39%
Water	\$	16,142,562	16.70%
Wastewater	\$	17,737,812	18.35%
Vehicles and Other Equipment	\$	3,445,473	3.56%
TOTAL	\$	96,682,313	100.00%

Note:

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



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

Project Consideration Category Reference	
Category	General Criteria
Must Do	These projects are required for the normal course of business and to provide day-to-day customer service or system operations, correct a health or safety condition, or 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 2020 – FY 2024

PROJECT REFERENCE E1

FM 802 Substation Battery Bank Replacement

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

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 11,590	\$ -	\$ -	\$ -	\$ -	\$ 11,590

Description: The results of the discharge/capacity tests for these battery banks show that some individual cells are close to fail status. In the event of an outage, these cells may discharge faster than anticipated, compromising the entire battery bank's capacity. Some of the battery's posts are loose and can cause heating and failure. In some cells, the voltage gets lower than average, causing the need to set the battery bank at equalize to stabilize the bank's voltage. Note: \$11,590 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A.

PROJECT REFERENCE E2

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

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 343,028	\$ -	\$ -	\$ -	\$ -	\$343,028

Description: These high voltage breakers have mechanical problems with the operating mechanism and prevents them from opening and closing, as they should. The breaker also has a "lag time", which can cause prolonged outages and affect reliability. Note: \$193,028 is the FY 2019 carryover amount.

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

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE E3

Power Transformer for Military Substation

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

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 2,559	\$ -	\$ -	\$ -	\$ -	\$2,559

*Description: Replace the McGraw-Edison power transformer due to deterioration and obsolescence.
Note: \$2,559 is the FY 2019 carryover amount.*

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

PROJECT REFERENCE E4

Dynamic disturbance recorder equipment for Price Rd Substation

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

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 49,678	\$ -	\$ -	\$ -	\$ -	\$49,678

Description: Purchase and installation of dynamic disturbance recorder equipment for the Price Road Substation, as requested by ERCOT. Note: \$49,678 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE E5

Battery Banks Replacement at FM 802, Midtown, and Titan Substations

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

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$100,000	\$ -	\$ -	\$ -	\$ -	\$100,000

Description: The results of the discharge/capacity tests for these battery banks show that some individual cells are close to fail status, meaning that in the event of an outage, these cells may discharge faster than anticipated, compromising the entire battery bank's capacity. Some of the battery's posts are loose and can cause heating and failure. In some cells, the voltage gets lower than average, causing the need to set the battery bank at equalize to stabilize the bank's voltage.

Project Cost Savings & Revenues: N/A.

PROJECT REFERENCE E6

Airport Substation, Transformer No. 1 Upgrade, 69 KV to 138 KV

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$300,000	\$2,900,000	\$ -	\$ -	\$ -	\$3,200,000

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

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

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE E7

Replace Legacy Overcurrent and Transformer Differential Protection Relays

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ -	\$300,000

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

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

PROJECT REFERENCE E8

Power Transformers Radiators Replacement

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 60,000	\$ 40,000	\$ -	\$ -	\$ -	\$100,000

Description: Some radiators are rusting prematurely, due to the highly humid environment. Replace the rusting radiators at the Power Plant, Palo Alto, and 6th Street Substations.

Project Cost Savings & Revenues: N/A.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE E9

Replace 1200 Amp Disconnect Switches at Power Plant and Waterport

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 90,000	\$ 30,000	\$ -	\$ -	\$ -	\$120,000

Description: The disconnect switches are stuck while operating them, causing problems when de-energizing/isolating equipment inside the substation. The operating mechanisms (gears, bearings and connecting pipes) are failing prematurely. Replace four each 1200 amp disconnect switches at the Power Plant Substation and two each at the Waterport Substation.

Project Cost Savings & Revenues: N/A.

PROJECT REFERENCE E10

Replace 138 KV breakers at Power Plant, South Plant and Midtown Substation

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$300,000	\$150,000	\$ -	\$ -	\$ -	\$450,000

Description: The breakers have mechanical problems with the operating mechanism, preventing them from opening/closing as expected. The breaker has a “lag” time, which prevents the breaker from automatically reclosing in the event of a transmission line operation and can cause a prolonged outage at the substation. Replace six each total 138 KV breakers at the Power Plant Substation, South Plant Substation and Midtown Substation.

Project Cost Savings & Revenues: N/A.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE E11

Replace Circuit Switches at FM 802 and 6th Street 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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 70,000	\$ 40,000	\$ -	\$ -	\$ -	\$110,000

Description: The circuit switches, installed during 2007, are having problems receiving the OPEN/CLOSE signal remotely. These circuit switches have stayed “stuck” as a result. Replace one each circuit switch at the FM 802 and 6th Street Substation.

Project Cost Savings & Revenues: N/A.

PROJECT REFERENCE E12

Replace Capacitor Vacuum Break Switches

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$100,000	\$ -	\$ -	\$ -	\$ -	\$100,000

Description: The capacitor vacuum break switches fail to operate (open/close) as needed. These circuit switches have stayed “stuck” as a result. Replace one each circuit switch at the FM 802 Substation and 6th Street Substation.

Project Cost Savings & Revenues: N/A.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE E13

SCADA (Substations Communications)

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

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$341,100	\$ -	\$ -	\$ -	\$ -	\$341,100

Description: Project will replace the current SEL 2030 devices, consolidating serial communication with protection relays and hardwire input/output points into the proposed remote terminal unit/serial/Ethernet concentrators. Note: \$341,100 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE E14

Fiber Optic for Communication Path from Loma Alta to FM802 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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ 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: Reduction of trouble shooting communication problems and increased reliability will result in O&M savings.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE E15

Substation and Control Centers Video Camera 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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ 350,000	\$ -	\$ -	\$ -	\$350,000

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

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE E16

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: Carryover

Funding Source: Commercial Paper
Project Considered: Reliability
Originator: Elias Quintero

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$136,717	\$ -	\$ -	\$ -	\$ -	\$136,717

Description: The current SCADA system is in need of an upgrade with regard to software, hardware and other key components. Note: \$136,717 is the FY 2019 carryover amount.

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

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE E17

Estimated miscellaneous carryover project amount - Electric Distribution

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

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$554,039	\$ -	\$ -	\$ -	\$ -	\$554,039

Description: This line item is the budget for the carryover projects rolled over from Fiscal Year 2019. Projects include the installation of the purchase of a medium voltage switchgear for the river pumps, a new feeder at the FM 802 Substation, the replacement of poles throughout the City and the conversion of electric cable/conduit from overhead to underground at various locations throughout the City. Note: \$554,039 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE E18

Estimated miscellaneous carryover project amount - Electric Transmission

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 12,093	\$ -	\$ -	\$ -	\$ -	\$ 12,093

Description: This line item is the budget for the carryover projects rolled over from Fiscal Year 2019. Projects include the replacement of transmission poles throughout the City of Brownsville. Note: \$12,093 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE E19

New Connections

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$804,379	\$671,800	\$671,800	\$671,800	\$ -	\$2,819,779

Description: This project will meet the growing needs of the BPUB service area. This line item allocates funds so that BPUB can install the infrastructure needed to service new customers. Note: \$132,579 is the FY 2019 carryover amount.

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

PROJECT REFERENCE E20

New Subdivisions

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$1,080,714	\$475,200	\$475,200	\$475,200	\$ -	\$2,506,314

Description: This project will meet the growing needs of the BPUB service area. This line item allocates funds so that BPUB can install the electric infrastructure needed to service new subdivisions. Note: \$605,514 is the FY 2019 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 2020 – FY 2024

PROJECT REFERENCE E21

Security Light Installation

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$268,780	\$102,500	\$102,500	\$102,500	\$ -	\$576,280

Description: Security lights provide illumination at private residences as well as commercial lots where street lights do not. Note: \$166,280 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: Security light installations begin to earn revenue on the second year of a four-year contract. In addition, extra KWh provide additional revenues during the contract term.

PROJECT REFERENCE E22

Street Light Installations

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$317,407	\$166,000	\$166,000	\$166,000	\$ -	\$815,407

Description: Street lights illuminate entrances, sections of roadways, streets, alleys and intersections throughout the City of Brownsville. Note: \$151,407 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE E23

Trouble Calls & Service Increases

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$1,172,210	\$983,100	\$983,100	\$983,100	\$ -	\$4,121,510

Description: This project will allocate the funds necessary to address safety and issues with existing services. This program also allocates funds for infrastructure replacements and upgrades. Note: \$189,110 is the FY 2019 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 E24

Amfels OH to URD Conversion Project

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

Funding Source: Improvement
Project: Reliability
Originator: Eliazar Perez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$191,488	\$ -	\$ -	\$ -	\$ -	\$191,488

Description: BPUB will replace the existing overhead conduit with underground conduit at the Keppel Amfels facilities. Note: \$191,488 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE E25

Feeder Utility Pole Replacement Project off of Boca Chica Blvd and other locations in the City of Brownsville

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 49,909	\$ -	\$ -	\$ -	\$ -	\$ 49,909

Description: Replace 37 each defective poles on the feeder off Boca Chica Blvd. 3 each of the 37 poles will be replaced with 35-foot concrete poles along with relocating any lights from old poles to new poles. Note: \$49,909 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE E26

Electric Utility Improvements for Airport Passenger Terminal Expansion Project

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

Funding Source: Improvement
Project Considered: Reliability
Originator: Eliazar Perez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$1,100,000	\$ -	\$ -	\$ -	\$ -	\$1,100,000

Description: BPUB will install the electric utility improvements associated with the City of Brownsville's Airport Terminal Expansion Project. Note: \$1,100,000 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE E27

University Blvd Underground 3-Phase Primary

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$218,612	\$ -	\$ -	\$ -	\$ -	\$218,612

Description: BPUB will install underground 3-phase primary conduit along University Boulevard.

Note: \$218,612 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE E28

Underground Feeder Circuit from Airport Substation to Trico

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$254,929	\$ -	\$ -	\$ -	\$ -	\$254,929

Description: BPUB will install a new underground feeder circuit from the Airport Substation to Trico along Billy Mitchell Boulevard. Note: \$254,929 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE E29

FM 511 Service Center Yard - Fiber Optic Design and Installation

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

Funding Source: Improvement
Project Considered: Reliability
Originator: Eliazar Perez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 52,598	\$ -	\$ -	\$ -	\$ -	\$ 52,598

Description: BPUB will install fiber optic cable from the Palo Alto Substation and Southmost Regional Water Authority Water Treatment Plant to the Service Center Yard on FM 511. Note: \$52,598 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE E30

FM 511 Service Center Yard – Alternate Feed Circuit

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

Funding Source: Improvement
Project Considered: Reliability
Originator: Eliazar Perez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 47,276	\$ -	\$ -	\$ -	\$ -	\$ 47,276

Description: BPUB will purchase and install materials, including an automatic transfer switch and primary conductor, to create an alternate feed circuit to the Service Center Yard on FM 511. Note: \$47,276 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE E31

Rio Grande Distribution Substation Upgrade, 69KV to 138 KV

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$635,531	\$ -	\$ -	\$ -	\$ -	\$635,531

Description: The Power Plant Substation is a 69/12.5 kV system. The 12.5 kV breakers and protection relays have become obsolete and finding replacement parts is difficult. The switchgear is a walk-in unit, meaning that the 12.5 KV breakers are located inside the switchgear making it a safety risk for employees in the event of a breaker failure; the 12.5 KV switchgear is also deteriorating. Replace the Power Plant Substation with a new 138 KV substation. Note: \$635,531 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: There will be fewer costs related to equipment maintenance and parts replacement.

PROJECT REFERENCE E32

Loma Alta Switching and Distribution Substation Upgrades to Accommodate the New Sharyland Utilities Switching Station

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$309,845	\$ -	\$ -	\$ -	\$ -	\$309,845

Description: Coordinate the transmission line re-route to the Sharyland Utilities Stillman Station by upgrading the Loma Alta Substation. Note: \$309,845 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE E33

Relay and other upgrades at Price Rd, Waterport and Loma Alta Substations to Accommodate the New Sharyland Utilities Switching Station

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

Funding Source: Improvement
Project Considered: Reliability
Originator: Eliazar Perez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$127,147	-	-	-	-	\$127,147

Description: Coordinate the relay upgrades at the Loma Alta Substation to accommodate the Sharyland Utilities Stillman Station, as requested by ERCOT. Note: \$127,147 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE E34

SRWA Water Wells Generators Project

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

Funding Source: Improvement
Project Considered: Reliability
Originator: Eliazar Perez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 97,616	\$ -	\$ -	\$ -	\$ -	\$ 97,616

Description: BPUB will purchase and install three each 3-phase 277/480V 200kW generator for three of the wells at the Southmost Regional Water Authority. Note: \$97,616 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE E35

State Highway 48 Pole Relocation Project

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

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 82,266	\$ -	\$ -	\$ -	\$ -	\$ 82,266

Description: Replace 20 each wooden poles and assembles on State Highway 48 from east of Paredes Line Road to west of Security Drive. Note: \$82,266 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE E36

Port of Brownsville Cross Arms Replacement

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

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 68,370	\$ -	\$ -	\$ -	\$ -	\$ 68,370

Description: Replace 162 each wood cross arms with fiberglass cross arms at the Port of Brownsville. Note: \$68,370 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE E37

Capacitor Bank and Controller Installations

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

Funding Source: Improvement
Project: Load/Capacity Relief
Originator: Emmanuel Benitez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 62,500	\$ 62,500	\$ 62,500	\$ 62,500	\$ -	\$250,000

Description: Install capacitor banks and controllers for the distribution substation feeders to provide better power quality, improved reliability, and reduced losses.

Project Cost Savings & Revenues: Reduced losses will generate O&M savings throughout the BPUB system.

PROJECT REFERENCE E38

Purchase and Install a Second Power Transformer at the Palo Alto Substation

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

Funding Source: Improvement
Project: General
Originator: Eleazar Ruiz

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$800,000	\$ -	\$ -	\$ -	\$ -	\$800,000

Description: The Palo Alto Substation has only one 15/20/25 MVA power transformer, which is at 70% capacity. A new transformer will accommodate future growth in this area of the City of Brownsville.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE E39

Loma Alta and Union Carbide 69 kV to 138 kV Conversion

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

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$250,000	\$3,000,000	\$1,000,000	\$ -	\$ -	\$4,250,000

Description: The Loma Alta and Union Carbide Substations were built in the early 1980s and are 69/12.5 kV systems. The 12.5 kV breakers and protection relays have become obsolete due to the lack of available parts. The 12.5 kV switchgear and the existing disconnect switches are deteriorating as well. Upgrade the existing Loma Alta and Union Carbide Substations from 69 kV to 138 kV. The project will include the installation of one 138/12.5kV power transformer, one 15/20/25/28 MVA transformer, two SF-6 Gas, 138 kV breakers, two gas circuit switchers, new relay protection system, new 12.5 V DC backing system, outdoor 12.5kV switchgear/metalclad, and new control house at each location. Install 138 kV transmission line to re-route the existing Price Road and new Loma Alta transmission lines to Sharyland Utilities Stillman switching station. Upgrade existing 69 kV to 138 kV transmission line between Loma Alta and Union Carbide Substations. Reroute the Waterport 138 kV transmission line to the upgraded Union Carbide Substation.

Project Cost Savings & Revenues: The cost savings would be less equipment maintenance.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE E40

South Plant Substation Feeders to serve developments in downtown and Southmost areas

Organization: 2410 Electric Engineering

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Improvement

Project Considered: Reliability

Originator: Eliazar Perez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 443,200	\$ -	\$ -	\$ -	\$ -	\$443,200

Description: The BPUB proposes to extend a new distribution feeder to meet the demands of its customers. In addition to serving 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 three MW of additional connections, which will provide \$500,000 in revenues over a 10-year period.

PROJECT REFERENCE E41

Purchase and Install a Second Power Transformer at the Waterport Substation

Organization: 2410 Electric Engineering

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Improvement

Project Considered: Reliability

Originator: Eliazar Perez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$942,500	\$ -	\$ -	\$ -	\$ -	\$942,500

Description: The Water Port Substation has only one 15/20/25/28 MVA, 138/12.5KV power transformer, which is at 65% capacity. A new transformer will increase reliability.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE E42

New 28 MVA 138/12.47kV Power Transformer – spare for Military Highway Substation

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

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$560,000	\$ -	\$ -	\$ -	\$ -	\$560,000

Description: Purchase a new 138/12.47kV 28 MVA power transformer, for use as a spare for the Military Highway Substation.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE E43

New 56 MVA Northwest Distribution Substation

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

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$1,500,000	\$1,915,000	\$1,915,000	\$ -	\$ -	\$5,330,000

Description: In order to meet the projected growth for the northwest area of the City of Brownsville, this project will entail the planning, engineering and construction necessary to install a new 56 MVA distribution substation. The new northwest distribution substation will include but is not limited to the installation of 2 each 138/12.5 KV, 28 MVA power transformers, 2 each 138 KV circuit breakers, 2 each SF-6 gas circuit switchers, switchboard panel, 125V-DC backup system, and outdoor 12.5 KV switchgear/metalclad, and control building.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE E44

Install Electrical Conductor and Conduit at Isla de Palmas Subdivision

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

Funding Source: Improvement
Project Considered: Reliability
Originator: Enrique Romo Jr

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$168,000	\$ -	\$ -	\$ -	\$ -	\$168,000

Description: Install 10,500 feet of electrical conductor inside a 2.5-inch HDPE duct by directional bore at Isla de Palmas Subdivision Sections I, II, III, IV, and V, including the necessary equipment.

Project Cost Savings & Revenues: O&M costs will be reduced for both troubleshooting and outage restoration purposes.

PROJECT REFERENCE E45

Install Electrical Conductor and Conduit at Timbers Subdivision

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

Funding Source: Improvement
Project Considered: Reliability
Originator: Enrique Romo Jr

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 89,600	\$ -	\$ -	\$ -	\$ -	\$ 89,600

Description: Install 5,600 feet of electrical conductor inside a 2.5-inch HDPE duct by directional bore at Timbers Subdivision Sections I, II, and III, including the necessary equipment.

Project Cost Savings & Revenues: O&M costs will be reduced for both troubleshooting and outage restoration purposes.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE E46

Install Recloser Controls on Substation Feeders

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

Funding Source: Improvement
Project Considered: Reliability
Originator: Rose M. Alaniz

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$175,000	\$ 75,000	\$ -	\$ -	\$ -	\$250,000

Description: Install reclosers for several different substation feeders to provide better reliability to BPUB's customers.

Project Cost Savings & Revenues: O&M costs will be reduced for both troubleshooting and outage restoration purposes.

PROJECT REFERENCE E47

Six New Rio Grande Substation Distribution Feeders

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

Funding Source: Improvement
Project Considered: Reliability
Originator: Rose M. Alaniz

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$284,000	\$ 71,000	\$ -	\$ -	\$ -	\$355,000

Description: Extend six new distribution feeders from the new Rio Grande Distribution Substation. The scope includes parallel runs of three-phase, 500 MCM copper conductor for each of the six new feeders. The new feeders will be tied to the existing Power Plant Distribution feeders. The installation will also require minimal three-phase overhead primary feeder extension and overhead switches.

Project Cost Savings & Revenues: A dedicated feeder will reduce the labor costs required to perform partial load transfers and to perform maintenance.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE E48

Rio Grande Distribution Substation Upgrade, 69KV to 138 KV

Organization: 2410 Electric Engineering

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Commercial Paper

Project Considered: Reliability

Originator: Eliazar Perez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$1,802,949	\$ -	\$ -	\$ -	\$ -	\$1,802,949

Description: The Power Plant Substation is a 69/12.5 kV system. The 12.5 kV breakers and protection relays have become obsolete and finding replacement parts is difficult. The switchgear is a walk-in unit, meaning that the 12.5 KV breakers are located inside the switchgear making it a safety risk for employees in the event of a breaker failure; the 12.5 KV switchgear is also deteriorating. Replace the Power Plant Substation with a new 138 KV substation. Note: \$1,802,949 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: There will be fewer costs related to equipment maintenance and parts replacement.

PROJECT REFERENCE E49

Underground conduit installation at Rio Grande Substation

Organization: 2410 Electric Engineering

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Commercial Paper

Project Considered: Reliability

Originator: Cesar A Cortinas

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 12,070	\$ -	\$ -	\$ -	\$ -	\$ 12,070

Description: Install a total of 2,880 feet of 6-inch PVC schedule 40 conduits. Install a total of 500 feet of 6-inch underground conduit. Note: \$12,070 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE E50

Schneider ArcFM Fiber Manager Integration with GIS

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

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$150,000	\$ -	\$ -	\$ -	\$ -	\$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. Note: \$150,000 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: Having a highly available and reliable GIS will save time when responding to customer service calls and reduce judgment mistakes when BPUB crews are troubleshooting.

PROJECT REFERENCE E51

Improvements Submitted by Staff for Electric Utility

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

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$150,000

Description: Improvements submitted by staff for the Electric Utility.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE E52

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$854,755	\$300,000	\$ -	\$ -	\$ -	\$1,154,755

Description: Cover BPUB's share of expenditures 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 at the Hidalgo Energy Center in Edinburg, Texas.

Project Cost Savings & Revenues: Improve the overall reliability and availability, thereby reducing lost time and unexpected outages and costly repair. Note: \$354,755 is the FY 2019 carryover amount.

PROJECT REFERENCE E53

Oklunion 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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$1,945,000	\$ -	\$ -	\$ -	\$ -	\$1,945,000

Description: BPUB owns 18% of a coal-fired power plant that comprises one 650-megawatt power boiler and one turbo generator. Funding is for BPUB's share of capital improvements at the Oklaunion Power Plant near Vernon, Texas. Note: \$1,065,897 is the FY 2019 carryover amount.

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 2020 – FY 2024

PROJECT REFERENCE E54

Silas Ray Power Plant Battery Bank Replacement

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

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 78,584	\$ -	\$ -	\$ -	\$ -	\$ 78,584

Description: Current battery banks of Unit 10, Unit 9, and Unit 5 are in need of replacement. Unit 10 battery bank has failed recent capacity tests. The Unit 9 battery bank has operated continuously since 1996 as well as cells failing in recent capacity tests. The Unit 5 battery bank is in need of replacement since it will be reassigned as backup power of the BPUB Network servers at this location. Note: \$78,584 is the FY 2019 carryover amount

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE E55

Unit 6/9 Protective Relay System Upgrade

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$300,000	\$175,000	\$ -	\$ -	\$ -	\$475,000

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, in order to improve system reliability, assure NERC reliability compliance and reduce potential arc flash hazards in the working environment. Note: \$100,000 is the FY 2019 carryover amount

Project Cost Savings & Revenues: BPUB in-house relay maintenance services will be able to perform routine calibration and check as opposed to using outside service vendors.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE E56

Unit 10 Chiller Cooling Tower Replacement

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

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$784,839	\$ -	\$ -	\$ -	\$ -	\$784,839

Description: Replacement of cooling tower designed for the specific application to reduce maintenance cost, liability and improve performance. Note: \$784,839 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: Cost reduction through improved performance is expected but not quantified.

PROJECT REFERENCE E57

Unit 6/9 GSU Project

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$877,157	\$ -	\$ -	\$ -	\$ -	\$877,157

Description: Unit 6 GSU transformer is 1961 vintage equipment that requires replacement due to test indications of impending failure. Unit 6 operates in combined cycle and is the most efficient unit at the Silas Ray Power Plant. Note: \$605,412 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE E58

Gas Compressor 9 A, B PLC Replacement

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$421,644	\$ -	\$ -	\$ -	\$ -	\$421,644

Description: Replace existing programmable logic control (PLC) with a new system and integrate with the existing distributed control system. Note: \$239,857 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE E59

Unit 10 Ovation Control Replacement

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ 684,803	\$ -	\$ -	\$ -	\$684,803

Description: Replace the existing Woodward Micronet Control System (a General Electric product line) for the combustion turbine and migrate all the functional control into the Emerson Ovation Distributed Control System.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE E60

Unit 6 Improvement Project – New Steam Turbine Generator Purchase and Installation

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$800,000	\$ -	\$1,480,000	\$2,220,000	\$3,700,000	\$8,200,000

Description: Replace the heat recovery steam generator (HRSG) economizer section; install a new stack damper; replace Unit 6 turbine; refurbish or replace circulating water lines. The project includes elements of relay protection, condition monitoring and governing control.

Project Cost Savings & Revenues: With these improvements, repair costs will be reduced to less than \$10,000. The stack damper option for the HRSG will reduce unit heat loss, thereby reducing thermal stress on the unit and reduced startup time, which are indirect cost reductions. Steam turbine performance improvement is anticipated with better utilization of steam from the HRSG to increase capacity. Increased capacity will result in a lower heat rate with expected increase in demand opportunities.

PROJECT REFERENCE E61

Gas pipeline right-of-way project completion – amendment Board-approved on 01/14/2019

Organization: 4310 Operational Support Services
Project Related to: Growth
Project Occurrence: One-time
Category: Carryover

Funding Source: Improvement
Project Considered: Must Do
Originator: Jaime Estrada

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$564,507	\$ -	\$ -	\$ -	\$ -	\$564,507

Description: Engineering and feasibility services and right-of-way for the proposed natural gas pipeline. Note: \$564,507 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE E62

Carryover Capital Equipment

Organization: 9110 Company-wide Expenses
Project Related to: Growth
Project Occurrence: One-time
Category: Carryover

Funding Source: Improvement
Project Considered: Must Do
Originator: Company wide

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$782,073	\$ -	\$ -	\$ -	\$ -	\$782,073

Description: This line item is the budget for the carryover capital equipment. These items include purchases of vehicles and other equipment. Note: \$782,073 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE E63

Estimated Capital Equipment

Organization: 9110 Company-wide Expenses
Project Related to: Growth
Project Occurrence: One-time
Category: New

Funding Source: Improvement
Project Considered: Must Do
Originator: Company wide

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$1,251,985	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$7,251,985

Description: This line item is the approved budget for capital equipment. These items include purchases of vehicles and other equipment.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE G1

Architect/engineering design services for Administration Building Annex

Organization: 1110 General Manager

Project Related to: Replacement/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Improvement

Project Considered: Must Do

Originator: Marie C. Leal

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$2,894,967	\$ -	\$ -	\$ -	\$ -	\$2,894,967

Description: Architectural and engineering design services of the Administration Building Annex to be located next to the current Administration Building on Robinhood Street. Note: \$2,894,967 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE G2

Architect/engineering design services for FM 511 Facilities Relocation Project

Organization: 1110 General Manager

Project Related to: Replacement/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Improvement

Project Considered: Must Do

Originator: Marie C. Leal

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$3,576,227	\$ -	\$ -	\$ -	\$ -	\$3,576,227

Description: The FM 511 Facilities Relocation Project consists of the architectural and engineering design services for the new Service Center on FM 511. Note: \$3,576,227 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE G3

Administration Building Remodeling - design

Organization: 1110 General Manager
Project Related to: Replacement/Upgrades/Rehabilitation
Project Occurrence: One-time
Category: Carryover

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$134,605	\$ -	\$ -	\$ -	\$ -	\$134,605

Description: The current Administration Building was built in 1991 to accommodate the personnel at that time. Given the growth that BPUB has experienced over the last 20 years, the Administration Building can no longer accommodate the number of personnel currently using this facility. This project will design the remodeling needed to update this facility. Note: \$134,605 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE G4

Restrooms Renovation Project

Organization: 1110 General Manager
Project Related to: Replacement/Upgrades/Rehabilitation
Project Occurrence: One-time
Category: Carryover

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$462,455	\$ -	\$ -	\$ -	\$ -	\$462,455

Description: The restrooms in the Administration Building are frequently serviced due to various maintenance issues. This project will remove and update the restroom facilities throughout the Administration Building. Note: \$462,455 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE G5

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: Must Do
Originator: Nancy Tello

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$679,612	\$ -	\$ -	\$ -	\$ -	\$679,612

Description: The implementation of the ECMS consists of conducting a needs assessment, developing system specifications, projecting cost benefit analysis, developing request for proposals, evaluating and selecting vendor, and installation and implementation of the system. Note: \$679,612 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: BPUB will not have to spend funds 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.

PROJECT REFERENCE G6

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: Vicente Guerrero III

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$100,000	\$1,500,000	\$ -	\$ -	\$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 is temporarily used but is limited to certain analysis due to ventilation and A/C requirements.

Project Cost Savings & Revenues: Streamline project analysis, time/money savings.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE C1

Cayenta Utilities (UMS) Upgrade

Organization: 6135 CIS Support
Project Related to: Growth
Project Occurrence: One-time
Category: Resubmission

Funding Source: Improvement
Project Considered: Reliability
Originator: Norma A. Gomez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$368,000	\$ -	\$ -	\$ -	\$ -	\$368,000

Description: Since the last upgrade to the Utility Manager System in March 2015, new enhancements have been released that will allow the company to provide better customer service and allow the use of new interfaces with other applications such as Cityworks and GIS. The upgrade will have new enhanced features such as custom portals available for all different departments using the application. Note: \$368,000 is the FY 2019 carryover amount.

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: Carryover

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 8,906	\$ -	\$ -	\$ -	\$ -	\$ 8,906

Description: Fax over IP is necessary since most telephone provider's communication is moving away from analog telephone lines. The Health and Safety, Purchasing, and Customer Service Departments frequently use faxing. Note: \$8,906 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE G8

Tower Redundant Network Replacement at SCADA and Power Plant Facilities

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

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 64,419	\$ -	\$ -	\$ -	\$ -	\$ 64,419

Description: Current obsolete Motorola 4.9 equipment located at the SCADA Building will be replaced with new licensed radio equipment. Purchase and install new radio equipment at the SRWA Building and Power Plant. Note: \$64,419 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE G9

Mobile Time Entry for Mobile Work Force

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

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 28,843	\$ -	\$ -	\$ -	\$ -	\$ 28,843

Description: Purchase and installation of the hardware and software necessary for the time entry system on mobile devices for personnel working out in the field. Note: \$28,843 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE G10

Server Storage

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

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000

Description: Purchase additional server storage such as Powervault Chassis, SSD disks and EMC storage. Note: \$50,000 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE G11

PureStorage – Expansion

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

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$120,000	\$ -	\$ -	\$ -	\$ -	\$120,000

Description: The current storage area network consists of multiple outdated hard disk environments that handle all of the storage needs for BPUB. The upgrade of this environment will allow the Information Technology (IT) department to standardize on one storage platform. This upgrade will also allow the department to create instant backups and replicate data to BPUB's secondary data center located at the Power Plant. These devices will allow IT staff to restore large amounts of data faster in case of a natural or hardware disaster. Note: \$120,000 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE G12

Dell FX Chassis and Storage – Power Plant

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

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 80,000	\$ -	\$ -	\$ -	\$ -	\$ 80,000

Description: Dell FX chassis will be used for server replacement and disk expansion and growth throughout the year. Hardware server chassis will be for server replacement. Information Technology personnel will replace end-of-life servers not covered by warranty. Currently, production systems are running on outdated hardware. Note: \$80,000 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE G13

Offsite Hardware - Drive Expansion

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

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$100,000	\$ -	\$ -	\$ -	\$ -	\$100,000

Description: The upgrade of this environment will allow the Information Technology (IT) Department to standardize on one storage platform. This upgrade will also allow the department to create instant backups and replicate data to a designated location outside of Brownsville. Critical business data will be replicated on a daily basis to this co-location to be used in case of emergencies or natural disaster. These devices will allow IT staff to restore large amounts of data faster in case of a natural disaster or hardware failure. Note: \$100,000 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE G14

Power Plant IT Battery Bank Backup Power

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

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000

Description: Currently when the Power Plant has an outage, the facility has limited backup power to keep the IT Data Center running. Power interruptions affect the telephone and network equipment. Data corruption occurs and, at times, servers are recovered using backups. Purchase and install additional batteries for the Power Plant battery bank to create backup power for the IT Data Center. Note: \$50,000 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE G15

Cognos 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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ 40,000

Description: The Cognos software will standardize the accessing of data by both IT programming personnel and BPUB users. The users can access corporate data such as spreadsheets and CSV files. Users will be able to do their own data exploration and schedule reports. They will be able to display their data in charts and present data in dashboards using various different smart visualizations. This product will allow professional reporting in one unified environment. Note: \$40,000 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE G16

Cisco Core Networking Equipment – FM 511

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$150,000	\$ -	\$ -	\$ -	\$ -	\$150,000

Description: Enterprise Cisco Core networking equipment for new FM 511 building will support phone/network communications. This equipment will provide the necessary network connectivity to support the BPUB enterprise business applications recommended by the Strategic Plan.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE G17

UPS – IT Equipment at New Building FM 511

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 45,000	\$ -	\$ -	\$ -	\$ -	\$ 45,000

Description: Uninterruptible power supply (UPS) for new building phone/network hardware is required. This will allow departments located in the new FM 511 building to maintain proper phone connectivity in the event of a power outage. All departments moved into the new building will benefit from this redundant power source. In addition, purchase and connect core network switches.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE G18

Dell FX chassis and storage – Main Building

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

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 80,000	\$ -	\$ -	\$ -	\$ -	\$ 80,000

Description: Purchase and install Dell FX chassis and storage for server replacement, disk expansion and growth throughout the year. Information Technology personnel will replace end-of-life servers not covered by warranty. Currently, production systems are running on outdated hardware.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE G19

Phone System Blades and Storage

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

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$110,000	\$ -	\$ -	\$ -	\$ -	\$110,000

Description: Additional blades and storage will be for server replacement, disk expansion and growth throughout the year. This project will be used for additional phone/network needs and include both hardware and software. The hardware will be replicated between the Power Plant and the Administration Building.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE G20

Web Replication Software

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ 40,000	\$ -	\$ -	\$ -	\$ 40,000

Description: Software, hardware and implementation of an extra site for web content filtering application.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE G21

APC / UPS - DataCenter Hardware Replacement

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

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000

Description: The current UPS is 10 years old and some parts in-line with APC's yearly preventative maintenance renewal will be replaced. Power modules and partial battery replacement will be necessary. These parts need to be replaced in order to continue renewing the yearly agreement. Failure to replace parts will void the warranty of the UPS.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE G22

Chiller for the Administration Building

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

Funding Source: Improvement
Project Considered: Reliability
Originator: Jeffry Stedje

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 78,721	\$ -	\$ -	\$ -	\$ -	\$ 78,721

Description: Remove old chiller and install new chiller for the Administration Building by isolating the existing system, drain chill water lines, where necessary, and lock out electrical to the chiller. \$78,721 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W1

Caustic soda bulk tank and chemical plumbing

Organization: 3120 Water Plant I
Project Related to: Replacements/Upgrades/Rehabilitation
Project Occurrence: One-time
Category: Carryover

Funding Source: Improvement
Project Considered: Must Do
Originator: Domingo Cortez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 65,964	\$ -	\$ -	\$ -	\$ -	\$ 65,964

Description: The caustic soda bulk tank stores 6,650 gallons of liquid caustic soda (hydrogen peroxide). This project will replace the existing unit at Water Plant I. Note: \$65,964 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE W2

High Service Pump No. 5 Replacement – Design and Pump and Motor (Construction)

Organization: 3120 Water Plant I

Funding Source: Improvement and Commercial Paper

Project Related to: Replacements/Upgrades/Rehabilitation

Project Considered: Load/Capacity Relief

Project Occurrence: One-time

Originator: Domingo Cortez

Category: Carryover

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$763,924	\$ -	\$ -	\$ -	\$ -	\$763,924

Description: The current high service pump is over 30 years old and would be more cost effective to replace the entire unit. Note: \$763,924 is the FY 2019 carryover amount, of which \$27,724 is from Improvement and \$736,200 is from Commercial Paper.

Project Cost Savings & Revenues: Pump and motor will be using a variable frequency drive, which will allow for only required output settings, reducing unnecessary power consumption.

PROJECT REFERENCE W3

Clarifier Rehabilitation – engineering

Organization: 3120 Water Plant I

Funding Source: Improvement

Project Related to: Replacements/Upgrades/Rehabilitation

Project Considered: Reliability

Project Occurrence: One-time

Originator: Domingo Cortez

Category: Carryover

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 8,598	\$ -	\$ -	\$ -	\$ -	\$ 8,598

Description: Procure engineering services to rehabilitate the current clarifier drain sludge pump by replacing it with a new pump and motor. Note: \$8,598 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE W4

Raw Water Pump Station – engineering (Packet 4)

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Improvement

Project Considered: Reliability

Originator: Domingo Cortez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$120,365	\$750,000	\$ -	\$ -	\$ -	\$870,365

Description: Procure engineering services to rehabilitate the Raw Water Pump Station with new pumps, motor and piping, valve controls, SCADA modifications and electrical controls. Note: \$120,365 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W5

High Service Pump Station No. 1 – engineering (Packet 4)

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Improvement

Project Considered: Reliability

Originator: Domingo Cortez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$178,157	\$ -	\$ -	\$ -	\$ -	\$178,157

Description: Procure engineering services to rehabilitate High Service Pump Station No. 1 by replacing the electrical building, outside transformers and electrical controls. Note: \$178,157 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE W6

High Service Pump Station No. 2 – engineering (Packet 4)

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Improvement

Project Considered: Reliability

Originator: Domingo Cortez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 89,734	\$ -	\$ -	\$ -	\$ -	\$ 89,734

Description: Procure engineering services to rehabilitate High Service Pump Station No. 2 with new pumps, motor and piping, and electrical controls. Note: \$89,734 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W7

Access Control and Facility Cameras

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Improvement

Project Considered: Reliability

Originator: Domingo Cortez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$156,000	\$ -	\$ -	\$ -	\$156,000

Description: The facility was originally built in 1930 with an expansion in the 1950s. No surveillance system was integrated within the facility. Cameras and surveillance will contribute in safety and security such as monitoring illegal entry or suspicious activities.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE W8

Drain Valves for the Drying Lagoons

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Domingo Cortez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 58,126	\$ -	\$ -	\$ -	\$ -	\$ 58,126

Description: Replace four 4-inch drain valves and two 6-inch drain valves to the drying lagoons drains. The existing drain valves are not operational. Note: \$58,126 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W9

Replacement of Rakes for Two Clarifiers (B1 and B2)

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 7,077	\$ -	\$ -	\$ -	\$350,000	\$357,077

Description: The current rakes inside the clarifiers are severely corroded and need to be replaced with stainless steel rakes. Note: \$7,077 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE W10

Stainless Steel Slide Gate and Mud Valve Replacements at Flocculation Basin B

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Domingo Cortez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$123,756	\$ -	\$ -	\$ -	\$ -	\$123,756

Description: Purchase and install three each slide gates and mud valves to replace the existing units inside the Train B flocculation basin. Note: \$123,756 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W11

High Service Pump No. 3 Replacement

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Domingo Cortez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 60,934	\$ -	\$ -	\$ -	\$ -	\$ 60,934

Description: Purchase and install a high service pump to replace the existing unit. Note: \$60,934 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE W12

Flocculator Mixer Drives for Train B

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Domingo Cortez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 62,111	\$ -	\$ -	\$ -	\$ -	\$ 62,111

Description: Purchase and install two each flocculator mixer drives to replace the existing units. Note: \$62,111 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W13

Clarifiers drain sludge pump

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 32,500	\$ -	\$ -	\$ -	\$ -	\$ 32,500

Description: The existing sludge pump for the clarifiers is over 15 years old and is beyond its life cycle. Purchase and install a drain sludge pump for the clarifiers.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE W14

Gate Valves for Flocculators – Train B

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Domingo Cortez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$120,000	\$ -	\$ -	\$ -	\$ -	\$120,000

Description: The flocculator valves of train B are corroded and do not open or close completely. Purchase and install new gate valves to replace the existing units. Note: \$120,000 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W15

Two Flocculator Units (replace existing units)

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Domingo Cortez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ 60,000

Description: The current flocculator units have reached the end of their lifecycle. Replace with new units. Note: \$60,000 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE W16

Replace Influent Valves for 8 Filters

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$162,500	\$ -	\$ -	\$ -	\$ -	\$162,500

Description: The current influent valves are allowing water to seep through when the valve is closed, due to the deteriorated valve gasket. Purchase and install new valves to replace the existing units.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W17

High Service Pump No. 2 – Pump and Motor (Construction)

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: New

Funding Source: Commercial Paper

Project Considered: Reliability

Originator: Domingo Cortez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$588,000	\$ -	\$ -	\$ -	\$ -	\$588,000

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

Project Cost Savings & Revenues: Pump and motor will be using a variable frequency drive, which will allow for only required output settings, reducing unnecessary power consumption.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE W18

Pump Station 1 High Service Pump No. 6

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: New

Funding Source: Commercial Paper

Project Considered: Reliability

Originator: Domingo Cortez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$932,000	\$ -	\$ -	\$ -	\$932,000

Description: This old pump has been refurbished several times. Purchase and install a new pump to replace the existing unit.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W19

Carbon Mixer motor, gear box and impeller

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: New

Funding Source: Commercial Paper

Project Considered: Reliability

Originator: Domingo Cortez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ 84,500	\$ -	\$ -	\$ -	\$ 84,500

Description: The existing carbon mixer is over 25 years old. A new mixer is needed to prevent the existing mixer failures.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE W20

Conversion of ammonia containers and feed equipment from gas to liquid

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ -	\$376,740	\$ -	\$ -	\$376,740

Description: The existing ammonia containers and feed equipment are over 25 years old. Instead of upgrading the existing system, staff is recommending replacing the storage and feed equipment from the anhydrous gaseous ammonia to the safer liquid phase of ammonia.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W21

Installation of New Caustic Soda Feed System

Organization: 3130 Water Plant II

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Improvement

Project Considered: Reliability

Originator: Jacob Galvan

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$297,508	-	-	-	-	\$297,508

Description: There is currently only one caustic soda feed tank, which draws the chemical from the bottom of the tank. This system poses a risk for leaks by the flange connection and ball valve point. Gravity pressure of the chemical also induces strain on the connections. The system lacks a secondary back up bulk tank so that preventative maintenance may be performed as needed. Purchase and install two each caustic soda bulk tanks, two each chemical feed pumps, and the housing for the chemical feed pumps. Note: \$297,508 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE W22

Water Plant No. 2 Roofing

Organization: 3130 Water Plant II

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Improvement

Project Considered: Must Do

Originator: Jacob Galvan

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$158,268	\$ -	\$ -	\$ -	\$ -	\$158,268

Description: The water plant has experienced rainwater penetrating through the roof and damaging several chemical feed pumps and has removed paint from filter wing floors. Note: \$158,268 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: The risk factors associated with this issue is the possibility of rain water damaging equipment needed to treat the water, which would lead to a plant shut down.

PROJECT REFERENCE W23

Aeration Structure Rehabilitation – engineering (Packet 3)

Organization: 3130 Water Plant II

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Improvement

Project Considered: Must Do

Originator: Jacob Galvan

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$215,970	\$ -	\$ -	\$ -	\$ -	\$215,970

Description: This project consists of the engineering services for 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, aerating and transporting raw water to the rapid mixer chamber for chemical addition. Note: \$215,970 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE W24

Aeration Tank Replacement – engineering (Packet 3)

Organization: 3130 Water Plant II

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Improvement

Project Considered: Must Do

Originator: Jacob Galvan

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$217,388	\$ -	\$ -	\$ -	\$ -	\$217,388

Description: This project consists of the engineering services for the rehabilitation of Water Plant No. 2's aeration tank structures. 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, aerating and transporting raw water to the rapid mixer chamber for chemical addition. Note: \$217,388 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W25

High Service Pump Station (5 vertical turbine pumps) – engineering (Packet 4)

Organization: 3130 Water Plant II

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Improvement

Project Considered: Must Do

Originator: Jacob Galvan

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$106,574	\$ -	\$ -	\$ -	\$ -	\$106,574

Description: Procure engineering services to rehabilitate the High Service Pump Station with new pumps and electrical controls. Note: \$106,574 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE W26

Raw Water Pump Station – engineering (Packet 4)

Organization: 3130 Water Plant II

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Improvement

Project Considered: Must Do

Originator: Jacob Galvan

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 85,009	\$ -	\$ -	\$ -	\$ -	\$ 85,009

Description: Procure engineering services to rehabilitate the Raw Water Pump Station with new raw water pumps, piping and electrical controls. The pumps need to have a capacity of 10 million gallons per day each. Note: \$85,009 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W27

Aeration Tanks Replacement

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: Jacob Galvan

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$400,000	\$400,000	\$ -	\$ -	\$800,000

Description: Replace the aeration tank structures. 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, aerating and transporting raw water to the rapid mixer chamber for chemical addition.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE W28

Resaca Raw Water Pump Station

Organization: 3130 Water Plant II

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Reliability

Originator: Jacob Galvan

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ -	\$150,000	\$462,750	\$ -	\$612,750

Description: The current raw water facility was designed in the late 1940's. Purchase and install two each raw water pumps with variable frequency drives. The pumps need to have a capacity of 10 million gallons per day each.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W29

Pump and Motor Replacement of Reservoir Raw Water Pump Number 1

Organization: 3130 Water Plant II

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Reliability

Originator: Jacob Galvan

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$196,500	\$ -	\$ -	\$ -	\$ -	\$196,500

Description: The current pump is over 25 years old. Replace the existing pump and motor to Reservoir raw water pump number 1.

Project Cost Savings & Revenues: Save repair costs for the current pump.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE W30

Pump and Motor Replacement of Reservoir Raw Water Pump Number 3

Organization: 3130 Water Plant II

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Reliability

Originator: Jacob Galvan

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$196,500	\$ -	\$ -	\$ -	\$ -	\$196,500

Description: The current pump is over 25 years old. Replace the existing pump and motor to Reservoir raw water pump number 3.

Project Cost Savings & Revenues: Save repair costs for the current pump.

PROJECT REFERENCE W31

High Service Station – Replacement and Upgrade

Organization: 3130 Water Plant II

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Reliability

Originator: Jacob Galvan

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$588,000	\$588,000	\$ -	\$ -	\$ -	\$1,176,000

Description: Replace and upgrade the High Service Station.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE W32

Replacement of Sludge Pump No 1 Pump and Motor

Organization: 3130 Water Plant II

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Reliability

Originator: Jacob Galvan

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$131,000	\$ -	\$ -	\$ -	\$131,000

Description: The current pumps are over 20 years old. The sludge pumps transport backwash wastewater and sedimentation wastewater to the drying basins. Replace the existing pump and motor.

Project Cost Savings & Revenues: Save repair costs for the current pump.

PROJECT REFERENCE W33

Conversion of ammonia containers and feed equipment 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: Reliability

Originator: Jacob Galvan

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ -	\$275,000	\$ -	\$ -	\$275,000

Description: The existing ammonia containers and feed equipment are over 25 years old. Instead of upgrading the existing system, staff is recommending replacing the storage and feed equipment from the anhydrous gaseous ammonia to the safer liquid phase of ammonia.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE W34

Raw Water to Resaca Flow Meter

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

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$102,750	\$ -	\$ -	\$ -	\$102,750

Description: Purchase and installation of a flow meter to measure the raw water flow fed to the City of Brownsville Resaca system.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W35

Water Distribution System Valve Replacement Project

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

Funding Source: Improvement
Project Considered: Reliability
Originator: Armando Garcia

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 17,207	\$ -	\$ -	\$ -	\$ -	\$ 17,207

*Description: Replace approximately 60 inoperable waterline valves ranging in sizes from 4" to 16".
Note: \$17,207 is the FY 2019 carryover amount.*

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

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE W36

Water Valve Replacement Phase 3 Project – engineering

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

Funding Source: Improvement
Project Considered: Reliability
Originator: Armando Garcia

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 17,145	\$ -	\$ -	\$ -	\$ -	\$ 17,145

Description: Engineer the replacement of inoperable waterline valves ranging in sizes from 4” to 16” throughout the City of Brownsville. Note: \$17,145 is the FY 2019 carryover amount.

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

PROJECT REFERENCE W37

Water 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: Armando Garcia

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$784,596	\$650,000	\$650,000	\$650,000	\$650,000	\$3,384,596

Description: The project accounts for BPUB costs to implement new water connections for future customers requesting service. Note: \$134,596 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: Work effort adds additional connections to the system.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE W38

Water Meter Vault Replacement Project

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

Funding Source: Commercial Paper
Project Considered: Must Do
Originator: Armando Garcia

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000

Description: Replace and improve the asset usability and operability of water meter vaults in the water distribution system. Project will allow for replacement of five aged and outdated water meter vaults that have water infiltration issues needing to be pumped out for maintenance and performing monthly meter reads. Note: \$75,000 is the FY 2019 carryover amount

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W39

Valve Replacement Project Phase 2

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

Funding Source: Commercial Paper
Project Considered: Must Do
Originator: Armando Garcia

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$250,000	\$250,000	\$ -	\$ -	\$ -	\$500,000

Description: Replace valves throughout the City of Brownsville. Valves are inoperable, frozen, and/or spinning freely, causing difficulties in isolating and shutting down areas throughout the distribution system for repairs or maintenance.

Project Cost Savings & Revenues: N/A.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE W40

Estimated miscellaneous carryover project

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

Funding Source: Improvement
Project Considered: Reliability
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$190,798	\$ -	\$ -	\$ -	\$ -	\$190,798

Description: This line item is the budget for the carryover projects rolled over from Fiscal Year 2019. Projects includes the water line inspections for subdivisions throughout the City and other water utility projects. Note: \$190,798 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W41

FM 802 Water Main Loop - engineering

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

Funding Source: Improvement
Project Considered: Reliability
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 8,905	\$ -	\$ -	\$ -	\$ -	\$ 8,905

Description: This line item is the engineering phase of the water main loop on FM 802 (Ruben M. Torres Boulevard) from Woodstone Drive through Coffeepoint Road. Note: \$8,905 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE W42

W 5th Street Water Main Loop - engineering

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

Funding Source: Improvement
Project Considered: Reliability
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 15,672	\$ -	\$ -	\$ -	\$ -	\$ 15,672

Description: Engineer the water main loop starting on West 5th Street by the railroad tracks to West Fronton Street. Note: \$15,672 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W43

South Old Alice Rd and Sunset Dr Utility Improvements - engineering

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

Funding Source: Improvement
Project Considered: Reliability
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 19,013	\$ -	\$ -	\$ -	\$ -	\$ 19,013

Description: Engineer the water utility improvements on South Alice Road by Boca Chica Boulevard to Sunset Drive. Note: \$19,013 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE W44

Tara Place, Dix Drive and Hacienda Lane Utility Improvements - engineering

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

Funding Source: Improvement
Project Considered: Reliability
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 20,247	\$ -	\$ -	\$ -	\$ -	\$ 20,247

Description: Engineer the water utility improvements on Tara Place, Dix Drive and Hacienda Lane by La Feria Road. Note: \$ 20,247 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W45

Los Ebanos Blvd Utility Improvements (between East Drive and Honeydale Road) - engineering

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

Funding Source: Improvement
Project Considered: Reliability
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 19,570	\$ -	\$ -	\$ -	\$ -	\$ 19,570

Description: Engineering phase of the water utility improvements on West Los Ebanos Boulevard between East Drive and Honeydale Road. Note: \$19,570 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE W46

Gabriel Street Water Service Line Crossings

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

Funding Source: Improvement
Project Considered: Reliability
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 76,604	\$ -	\$ -	\$ -	\$ -	\$ 76,604

Description: Replace the one-inch service line crossings on Gabriel Street between Joseph Avenue and Cesar Lane. Note: \$76,604 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W47

Greenbriar Avenue Water Improvements - design

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

Funding Source: Improvement
Project Considered: Reliability
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 8,043	\$ -	\$ -	\$ -	\$ -	\$ 8,043

Description: This line item is the engineering phase of the water utility improvements on Greenbriar Avenue. Note: \$8,043 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE W48

Brownsville Airport Terminal Project

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

Funding Source: Improvement
Project Considered: Reliability
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 312	\$ -	\$ -	\$ -	\$ -	\$ 312

Description: This line item is the inspection services associated with the water utility improvements at the City of Brownsville Airport Terminal. Note: \$ 312 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W49

Waterline extension for Water Plant II

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

Funding Source: Improvement
Project Considered: Reliability
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 54,076	\$ -	\$ -	\$ -	\$ -	\$ 54,076

Description: Extend 960 feet of 6-inch waterline at Water Plant II. Note: \$54,076 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE W50

EST No. 8 – Two Million Gallon Elevated Storage Tank to Replace the Southmost Elevated Storage Tank – engineering and construction

Organization: 3310 Water & Wastewater Engineering

Funding Source: Commercial Paper and Improvement

Project Related to: Replacements/Upgrades/Rehabilitation

Project Considered: Must Do

Project Occurrence: One-time

Originator: Alfredo Resendez

Category: Carryover

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$3,890,720	\$ -	\$ -	\$ -	\$ -	\$3,890,720

Description: Design, engineer and construct a two million gallon elevated storage tank to replace the elevated storage tank on Southmost Road. Note: \$3,890,720 is the FY 2019 carryover, of which \$3,800,000 is from Improvement and \$90,720 is from Commercial Paper.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W51

Two each water tank trailers

Organization: 3310 Water & Wastewater Engineering

Funding Source: Improvement

Project Related to: General

Project Considered: Must Do

Project Occurrence: One-time

Originator: Alfredo Resendez

Category: Carryover

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$232,214	\$ -	\$ -	\$ -	\$ -	\$232,214

Description: Purchase two each water tank trailers to transport potable water to the SpaceX site near Boca Chica Beach at the southeastern tip of Texas. Note: \$232,214 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE W52

Service Center Yard Water Utility Improvements

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

Funding Source: Improvement
Project Considered: Must Do
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$115,765	\$ -	\$ -	\$ -	\$ -	\$115,765

Description: Install water utility improvements to service the Service Center on FM 511. Note: \$115,765 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W53

Installing first-time water service to residents of Torres Road

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

Funding Source: Improvement
Project Considered: Must Do
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$180,000	\$ -	\$ -	\$ -	\$ -	\$180,000

Description: Torres Road is a rural road on Brownsville's West side, located near Military Highway 281. This area was annexed to the City of Brownsville in October of 2001, with approximately 11 homes and 40-50 residents living in this area. The water that these residents use for domestic and irrigation use comes from water wells on the residents' properties. This project will provide first-time water service from BPUB to the residents located along Torres Road. Note: \$180,000 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE W54

Installing first-time water service to residents of Torres Road

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

Funding Source: Grants
Project Considered: Must Do
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$100,000	\$ -	\$ -	\$ -	\$ -	\$100,000

Description: Torres Road is a rural road on Brownsville's West side, located near Military Highway 281. This area was annexed to the City of Brownsville in October of 2001, with approximately 11 homes and 40-50 residents living in this area. The water that these residents use for domestic and irrigation use comes from water wells on the residents' properties. The Valley Baptist Legacy Foundation, a privately funded organization that assists the Rio Grande Valley communities with health issues, provided the grant to assist with construction costs to provide first-time water service from BPUB to the residents located along Torres Road. Note: \$100,000 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W55

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: Impact Fees
Project Considered: Load/Capacity Relief
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$2,364,532	\$160,800	\$ -	\$ -	\$ -	\$2,525,332

Description: Construction of a new 16-inch diameter PVC waterline approximately 13,882 linear feet in length on the northwest part of the water distribution system to meet future demand. Note: \$1,164,532 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE W56

Waterline Upgrade on Southmost Blvd. from EST 4 to Lima St.

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

Funding Source: Impact Fees
Project Considered: Load/Capacity Relief
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 50,000	\$ 200,000	\$ -	\$ -	\$ -	\$250,000

Description: Upgrade an existing 12-inch asbestos cement (AC) waterline to a 16-inch and 18-inch diameter polyvinyl chloride (PVC) waterline to meet required water system pressure to the east water system, as identified in the Master Plan, on Southmost Boulevard from the Elevated Storage Tank (EST) No. 4 site to Lima Street. Note: \$50,000 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: Since deteriorated AC lines typically require more maintenance/repair, there will be less O&M costs after replacement.

PROJECT REFERENCE W57

Waterline Upgrade near WTP No. 1

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

Funding Source: Impact Fees
Project Considered: Load/Capacity Relief
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$521,000	\$ -	\$ -	\$ -	\$521,000

Description: Upgrade approximately 1,600 linear feet of 12-inch diameter waterline to 30-inch diameter waterline along W. 13th Street from Water Plant No. 1 to West Saint Charles Street to increase water distribution capacity during future peak flow demand.

Project Cost Savings & Revenues: Since deteriorated AC lines typically require more maintenance/repair, there will be less O&M costs after replacement.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE W58

Concrete Steel Cylinder Waterline Upgrade from Boca Chica Blvd. (SH48) to WTP No. 2

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: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$200,000	\$1,100,000	\$ -	\$ -	\$1,300,000

Description: This project upgrades an existing 30-inch diameter concrete steel cylinder (CSC) waterline to 36-inch diameter and 42-inch diameter CSC waterline to meet future required capacity in the eastern part of the water distribution system.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W59

FM 511 Waterline Loop from SH 48 to Boca Chica

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

Funding Source: Impact Fees
Project Considered: Load/Capacity Relief
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$100,000	\$ -	\$ -	\$1,400,000	\$1,500,000

Description: Construct a transmission main along FM 511 to the southeastern part of the City of Brownsville. This main will connect to future BPUB and El Jardin Water Supply Corporation water systems providing improved water pressure, allowing the system to meet future demand.

Project Cost Savings & Revenues: BPUB will receive revenues from future new service along FM 511 from State Highway 48 to Boca Chica Boulevard.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE W60

Martinal Area Waterline System Loop

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: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ 165,000	\$ -	\$415,200	\$519,800	\$1,100,000

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

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W61

Boca Chica Blvd Waterline Upgrade (International Blvd. to Owens Road)

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: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$533,200	\$216,800	\$ -	\$ -	\$750,000

Description: The existing waterline is undersized for the increased capacity demands. Upgrade the existing 12-inch AC waterline to 16-inch PVC to provide required minimum pressure to the east system.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE W62

24-inch Waterline Loop along FM 511 from SRWA to Old Port Isabel Rd

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

Funding Source: Impact Fees
Project Considered: Must Do
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$120,000	\$683,200	\$1,584,800	\$ -	\$2,388,000

Description: This project is a segment of a 24-inch transmission waterline proposed from the SRWA Water Plant to the Port of Brownsville. The project will provide new service capabilities along FM 511 from Paredes Line Road to Dr. Hugh Emerson Road. The project increases the distribution capacity from the SRWA Water Treatment Plant to the northeast side of town in order to serve future water demand.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W63

Estimated miscellaneous carryover project

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

Funding Source: Commercial Paper
Project Considered: Must Do
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 42,486	\$ -	\$ -	\$ -	\$ -	\$ 42,486

Description: This line item is the budget for the carryover projects rolled over from Fiscal Year 2019. Projects include water line inspections for subdivisions throughout the City as well as other water utility projects. Note: \$42,486 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE W64

Water Main Replacements related to City Street Paving and Drainage Improvement Projects

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

Funding Source: Commercial Paper
Project Considered: Must Do
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$897,574	\$800,000	\$ -	\$ -	\$ -	\$1,697,574

Description: The project involves replacement of AC water mains and service connections with PVC water mains and service connections with new valves due to the City's Street Reconstruction five-year plan. Note: \$97,574 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W65

Gazelle Street – COB and Utility Improvements

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

Funding Source: Commercial Paper
Project Considered: Must Do
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$135,907	\$ -	\$ -	\$ -	\$ -	\$135,907

Description: Replace the AC water mains and service connections with PVC water mains and service connections with new valves on Gazelle Street due to the City's Street Reconstruction Five-Year Plan. Note: \$135,907 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: Since AC lines historically leak/break with time, water mains and service connections replaced with PVC lines along with new valves reduce O&M costs

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE W66

North Street – COB and Utility Improvements

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

Funding Source: Commercial Paper
Project Considered: Reliability
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000

Description: Replace the AC waterline with a PVC waterline on North Street from Boca Chica Boulevard to Rockwell Drive. Note: \$75,000 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: Since AC lines historically leak/break with time, water mains and service connections replaced with PVC lines along with new valves reduce O&M costs

PROJECT REFERENCE W67

South Iowa – COB and Utility Improvements

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

Funding Source: Commercial Paper
Project Considered: Reliability
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000

Description: Replace the AC waterline with a PVC waterline on South Iowa Avenue from Billy Mitchell Boulevard to Boca Chica Boulevard. Note: \$75,000 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: Since AC lines historically leak/break with time, water mains and service connections replaced with PVC lines along with new valves reduce O&M costs

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE W68

36-inch Diameter Raw Water Line Replacement at Rotary Park - engineering

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

Funding Source: Commercial Paper
Project Considered: Reliability
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 50,729	\$ -	\$ -	\$ -	\$ -	\$ 50,729

Description: Replace the existing waterline with a new 36-inch diameter raw water line at Rotary Park by Palm Boulevard. Note: \$50,729 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W69

Martinal Area Waterline System Loop off of Old Port Isabel Road and FM 802 – engineering

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

Funding Source: Commercial Paper
Project Considered: General
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 22,809	\$ -	\$ -	\$ -	\$ -	\$ 22,809

Description: Engineer the proposed waterline to close the loop within the water system between the areas of Old Port Isabel Road and Boca Chica Boulevard along FM 802. Note: \$22,809 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE W70

Greenbriar Avenue Water Improvements – construction

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

Funding Source: Commercial Paper
Project Considered: Reliability
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 89,175	\$ -	\$ -	\$ -	\$ -	\$ 89,175

Description: Replace the AC waterline with a PVC waterline on Greenbriar Avenue. Note: \$89,175 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: Since AC lines historically leak/break with time, water mains and service connections replaced with PVC lines along with new valves reduce O&M costs

PROJECT REFERENCE W71

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: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ -	\$240,000	\$1,306,000	\$ -	\$1,546,000

Description: Install approximately 12,698 linear feet of new 18-inch diameter waterline to meet required water system pressure to meet future demand along Old Highway 77 and FM 511 to Old Alice Road.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE W72

Waterline Upgrade on Southmost Blvd from E 14th St to E 25th St

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

Funding Source: Commercial
Project Considered: Load/Capacity Relief
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ -	\$575,000	\$1,000,000	\$ -	\$1,575,000

Description: Upgrade an existing 12-inch AC waterline to a 16-inch and 18-inch diameter PVC waterline to meet water distribution capacity required for 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 W73

Waterline Upgrade on Southmost Blvd from E 25th St to E 30th St

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

Funding Source: Commercial Paper
Project Considered: Load/Capacity Relief
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$379,000	\$379,000	\$ -	\$ -	\$758,000

Description: Upgrade an existing 12-inch AC waterline to an 18-inch diameter PVC waterline to meet water distribution capacity required for future peak flow demand.

Project Cost Savings & Revenues: Since deteriorated AC lines typically require more maintenance/repair, there will be less O&M costs after replacement.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE W74

12-inch Waterline West of Hwy 77

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

Funding Source: Commercial Paper
Project Considered: Load/Capacity Relief
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ -	\$ -	\$1,345,000	\$ -	\$1,345,000

Description: Install approximately 7,470 linear feet of new 12-inch diameter waterline construction west of Highway 77 to help meet water distribution capacity and pressures during future peak flow demand.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE W75

16-inch Waterline at Summer Hill Subdivision

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

Funding Source: Commercial Paper
Project Considered: Load/Capacity Relief
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ 894,000	\$ -	\$ -	\$ -	\$894,000

Description: Install approximately 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

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE W76

16-inch Waterline Upgrade 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

Project Considered: Load/Capacity Relief

Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$1,850,000	\$ -	\$ -	\$ -	\$1,850,000

Description: Upgrade the 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.

PROJECT REFERENCE W77

30th Street Elevated Storage Tank Water Line

Organization: 3310 Water & Wastewater Engineering

Project Related to: Replacement/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: New

Funding Source: Commercial Paper

Project Considered: Reliability

Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$500,000	\$ -	\$ -	\$ -	\$ -	\$500,000

Description: Install a new transmission line to the new proposed elevated water storage tank.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE W78

New Raw Water River Intake Facility

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

Funding Source: Commercial Paper
Project Considered: Reliability
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$1,200,000	\$1,200,000	\$6,500,000	\$8,500,000	\$ -	\$17,400,000

Description: Existing river intake pumps station (pump No. 1 and No. 2), which are used to convey flow from the Rio Grande River to Water Treatment Plant 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 W79

Carryover Capital Equipment

Organization: 9110 Company-wide Expenses
Project Related to: Growth
Project Occurrence: One-time
Category: Carryover

Funding Source: Improvement
Project Considered: Must Do
Originator: Company wide

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$330,894	\$ -	\$ -	\$ -	\$ -	\$330,894

Description: This line item is the budget for the carryover capital equipment. These items include purchases of vehicles and other equipment. Note: \$330,894 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE W80

Estimated Capital Equipment

Organization: 9110 Company-wide Expenses
Project Related to: Growth
Project Occurrence: One-time
Category: New

Funding Source: Improvement
Project Considered: Must Do
Originator: Company wide

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Description: This line item is the approved budget for capital equipment. These items include purchases of vehicles and other equipment.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW1

W/WW SCADA Yard Communication Tower

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

Funding Source: Commercial Paper
Project Considered: Reliability
Originator: Elias Quintero

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$250,000	\$ -	\$ -	\$ -	\$ -	\$250,000

Description: Design, purchase and implementation of a communication tower for the Water/Wastewater SCADA System at the BPUB Yard next to the existing SCADA communication tower.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE WW2

W/WW SCADA/Lift Station Integration

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

Funding Source: Commercial Paper
Project Considered: Reliability
Originator: Elias Quintero

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$100,000	\$ -	\$ -	\$ -	\$100,000

Description: Install remote terminal units to integrate the wastewater lift stations into the Water/Wastewater SCADA system.

Project Cost Savings & Revenues: Wastewater Lift Station mechanics and electricians will proactively identify potential problems.

PROJECT REFERENCE WW3

Wastewater New Connections

Organization: 3150 W/WW Operations & Construction
Project Related to: Growth
Project Occurrence: Recurring
Category: Routine

Funding Source: Commercial Paper
Project Considered: Must Do
Originator: Armando Garcia

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$748,294	\$450,000	\$450,000	\$450,000	\$450,000	\$2,548,294

Description: This project accounts for BPUB costs to implement wastewater new connections to future customers requesting service. Note: \$298,294 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: Work effort adds additional connections to system.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW4

High Efficient Blowers – engineering (Packet 5)

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: Carryover

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 98,326	-	-	-	-	\$ 98,326

Description: Engineer the design and specifications for the rehabilitation of the high efficient blowers.
Note: \$98,326 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW5

Influent Channel – engineering (Packet 5)

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: Carryover

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$298,288	-	-	-	-	\$298,288

Description: Engineer the design and specifications for the rehabilitation of the influent channel. Note:
\$298,288 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE WW6

Digester Tank Replacement – engineering (Packet 5)

Organization: 3210 South Wastewater Treatment Plant
Project Related to: Replacements/Upgrades/Rehabilitation
Project Occurrence: One-time
Category: Carryover

Funding Source: Commercial Paper
Project Considered: Reliability
Originator: Jose G. Ibarra Jr.

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 93,411	-	-	-	-	\$ 93,411

Description: Engineer the design and specifications for the replacement of the digester tank. Note: \$93,411 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW7

Aeration Basin No. 3 – engineering (Packet 5)

Organization: 3210 South Wastewater Treatment Plant
Project Related to: Replacements/Upgrades/Rehabilitation
Project Occurrence: One-time
Category: Carryover

Funding Source: Commercial Paper
Project Considered: Reliability
Originator: Jose G. Ibarra Jr.

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 65,702	-	-	-	-	\$ 65,702

Description: Engineer the design and specifications for the rehabilitation of Aeration Basin No. 3, including the replacement of four each 12-inch and 12 each 8-inch stainless steel manual air control butterfly valves. Note: \$65,702 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW8

Belt Filter Press – engineering (Packet 4)

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: Carryover

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 97,801	-	-	-	-	\$ 97,801

Description: Engineer the design and specifications for the rehabilitation of the existing belt filter press by purchasing and installing a new belt filter press to meet TCEQ requirements. Note: \$ 97,801 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW9

Non-Potable Water Pump and Motor No. 1 – engineering (Packet 4)

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: Carryover

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$102,358	-	-	-	-	\$102,358

Description: Engineer the design and specifications for the rehabilitation and upgrade of the non-potable water pump and motor no. 1. Note: \$102,358 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW10

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$124,000	\$ -	\$ -	\$ -	\$ -	\$124,000

Description: Replace four sluice gates at the Chlorine Contact Chamber Station area. Existing gates were installed behind the wall; and the head pressure is pushing against the sluice gates, making it difficult to open and close. Sluice gate shafts are warped, and gates remain leaking when closed. Staff is proposing to install new sluice gates with new valve actuators with back-up batteries.

Project Cost Savings & Revenues: New replacement sluice gates and actuators will improve chlorine contact changer station efficiency, allowing the treatment plant process to respond with better treatment capabilities, resulting in lower cost for treatment per million gallons processed.

PROJECT REFERENCE WW11

Non-Potable Pump and Motor No. 1

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 42,312	\$ -	\$ -	\$ -	\$ -	\$ 42,312

Description: Replace and upgrade the outdated non-potable pump and motor no. 1. Existing pump and motor have exceeded its life expectancy.

Project Cost Savings & Revenues: The upgraded non-potable pump and motor will improve efficiency, allowing the treatment plant process to respond with better treatment capabilities, resulting in lower costs for treatment per million gallons processed.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW12

Effluent River Pump and Motor No. 3

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$147,713	\$ -	\$ -	\$ -	\$ -	\$147,713

Description: Replace and upgrade the outdated effluent river pump and motor no. 3. Existing pump and motor have exceeded its life expectancy.

Project Cost Savings & Revenues: The upgraded effluent river pump and motor will improve efficiency, allowing the treatment plant process to respond with better treatment capabilities, resulting in lower costs for treatment per million gallons processed.

PROJECT REFERENCE WW13

Aeration Blower and Motor No. 1

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 97,782	\$ -	\$ -	\$ -	\$ -	\$ 97,782

Description: Replace and upgrade the outdated aeration blower and motor no. 1. Existing blower and motor have exceeded its life expectancy.

Project Cost Savings & Revenues: The upgraded aeration blower and motor will improve efficiency, allowing the treatment plant process to respond with better treatment capabilities, resulting in lower costs for treatment per million gallons processed.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW14

Belt Filter Press and Solids Handling Improvements – construction

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$2,115,600	\$ -	\$ -	\$ -	\$2,115,600

Description: Retrofit the existing dewatering station to house two each belt filter press units (relocate existing unit and add one new unit), new pumping system, new polymer feed system, and new overhead stationary conveyor system to properly fill roll-off containers. The new structure will serve to protect the operators from the elements and help promote and preserve the life of the dewatering equipment.

Project Cost Savings & Revenues: The new structures will reduce the man hours needed to repair the roll off containers.

PROJECT REFERENCE WW15

Aeration Basin No. 1 Mixed Liquor Suspended Solids Influent Channel Repairs

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 83,850	\$ -	\$ -	\$ -	\$ -	\$ 83,850

Description: The influent channel has structural cracks. Repair the influent channel at the joints connecting the channel to the headworks area and Aeration Basin No. 1.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW16

Aeration Basin No. 3 Valves 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: New

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 98,400	\$ -	\$ -	\$ -	\$ -	\$ 98,400

Description: Purchase and replace all 18 isolation valves due to normal wear and tear.

Project Cost Savings & Revenues: The new isolation valves will improve efficiency, allowing the treatment plant process to respond with better treatment capabilities, resulting in lower costs for treatment per million gallons processed.

PROJECT REFERENCE WW17

Digester Tanks 1 and 2 Structural Rehabilitation

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$512,050	\$ -	\$ -	\$ -	\$ -	\$512,050

Description: Digester Tank No. 1 and No. 2 are outdated. The structural integrity has exceeded its life expectancy, affecting the plant process capabilities. Note: \$100,000 is the FY 2019 carryover amount from the Improvement Fund.

Project Cost Savings & Revenues: The upgraded digester tanks will improve sludge removal efficiency from wastewater, allowing treatment plant process to respond with better treatment capabilities, resulting in lower cost for treatment per million gallons processed.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW18

Dissolved Oxygen Probes Installation and SCADA Monitoring

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ -	\$798,270	\$ -	\$ -	\$798,270

Description: Dissolved oxygen probes are required to monitor dissolved oxygen levels on all three aeration basins, allowing operational staff to optimize the treatment process and improve plant efficiency. Purchase and install the dissolved oxygen probes and the associated SCADA monitoring system at all aeration basins.

Project Cost Savings & Revenues: The new dissolved oxygen probes will improve efficiency, allowing the treatment plant process to respond with better treatment capabilities, resulting in lower costs for treatment per million gallons processed.

PROJECT REFERENCE WW19

RAS-WAS Pump Station Improvements

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$500,520	\$ -	\$ -	\$ -	\$500,520

Description: Replace/upgrade all control panels and float level control panels at the Return Activated Sludge (RAS) and Waste Activated Sludge (WAS) pump station.

Project Cost Savings & Revenues: Upgrading the control panel system will improve efficiency, allowing the treatment plant process to respond with better treatment capabilities, resulting in lower costs for treatment per million gallons processed.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW20

Upgrade of Headworks Grit System

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$2,355,205	\$2,155,205	\$ -	\$ -	\$ -	\$4,510,410

Description: The headworks grit system is outdated and exceeded its life expectancy, impacting the grit/sedimentation removal capabilities. Replace the existing outdated grit system to a more efficient grit removal system. Note: \$200,000 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: Upgrading the grit removal system will improve efficiency, allowing the treatment plant process to respond with better treatment capabilities, resulting in lower costs for treatment per million gallons processed.

PROJECT REFERENCE WW21

Digester Blowers 18 – 20

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$313,650	\$ -	\$ -	\$ -	\$ -	\$313,650

Description: Replace and upgrade the outdated blowers and motors no. 18-20. Existing blowers and motors have exceeded its life expectancy.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW22

Ultraviolet Light Canopy Project - engineering, purchase and installation

Organization: 3220 Robindale Wastewater Treatment Plant Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation Project Considered: Reliability
Project Occurrence: One-time Originator: Jose G. Ibarra Jr.
Category: Carryover

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$325,222	\$ -	\$ -	\$ -	\$ -	\$325,222

Description: Ultraviolet (UV) light promotes the growth of algae. A canopy cover system will minimize the sunlight exposure to the UV light station and reduce algae growth. Note: \$325,222 is the FY 2019 carryover amount from the Improvement Fund.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW23

One New Grit Pump for the Eutek Head Cell Grit Pumping Station

Organization: 3220 Robindale Wastewater Treatment Plant Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation Project Considered: Reliability
Project Occurrence: One-time Originator: Jose G. Ibarra Jr.
Category: Carryover

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 1,442	\$ -	\$ -	\$ -	\$ -	\$ 1,442

Description: Purchase one new grit pump for the Eutek Headcell grit pump station. Existing system used 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. Note: \$1,442 is the FY 2019 carryover amount.

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 2020 – FY 2024

PROJECT REFERENCE WW24

North Wastewater Treatment Plant Administration Building Improvements

Organization: 3220 Robindale Wastewater Treatment Plant Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation Project Considered: General
Project Occurrence: One-time Originator: Jose G. Ibarra Jr.
Category: Carryover

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$374,901	\$ -	\$ -	\$ -	\$ -	\$374,901

Description: The building is in need of major repairs. Replace roof and external siding with sheetrock and trimming. Replace the existing heating, ventilation and air conditioning system with a new system. Note: \$374,901 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW25

Purchase and installation of 4 each Mag RAS meter replacements

Organization: 3220 Robindale Wastewater Treatment Plant Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation Project Considered: Reliability
Project Occurrence: One-time Originator: Jose G. Ibarra Jr.
Category: Carryover

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 9,514	\$ -	\$ -	\$ -	\$ -	\$ 9,514

Description: Purchase and install 4 each Siemens Mag RAS meters to replace existing units. Note: \$9,514 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW26

Aerobic Digester Blowers – engineering (Packet 3)

Organization: 3220 Robindale Wastewater Treatment Plant Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation Project Considered: Must Do
Project Occurrence: One-time Originator: Jose G. Ibarra Jr.
Category: Carryover

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$815,010	\$ -	\$ -	\$ -	\$ -	\$815,010

Description: Engineer the replacement and upgrade of the aerobic digester blowers. Note: \$315,010 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: The proposed new aerobic digester blowers will improve efficiency allowing the treatment plant process to respond with better treatment capabilities thus resulting in a lower cost for treatment per million gallons processed.

PROJECT REFERENCE WW27

Non-Potable Water Pump and Motor No. 1 – engineering (Packet 4)

Organization: 3220 Robindale Wastewater Treatment Plant Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation Project Considered: Must Do
Project Occurrence: One-time Originator: Jose G. Ibarra Jr.
Category: Carryover

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$114,419	\$ -	\$ -	\$ -	\$ -	\$114,419

Description: The current system does not provide enough pressure. Existing pump is leaking, vibrating, and has considerable amount of rust. Engineer the replacement of the non-potable water pump and motor no. 1 with a new system. Note: \$114,419 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: Proper operation of non-potable water system will significantly cut down the use and increase savings in water consumption cost.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW28

Blower Building No. 1 Roof Replacement

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: Carryover

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 40,050	-	-	-	-	\$ 40,050

Description: Replace the existing flat gravel roof due to water or moisture leaking inside of the building during any type of precipitation. Existing building's roof system houses electrical motor control center that supplies power to some critical process equipment. In an event that water or moisture would reach inside of these electrical components of the motor control center, down time would be critical to daily operations. Note: \$40,050 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: New replacement roof system will improve blower building allowing the treatment plant process to respond with better treatment capabilities thus resulting in a lower cost for treatment per million gallons processed. It will also prevent fines from TCEQ resulting from any non-compliance violations due to equipment failures.

PROJECT REFERENCE WW29

Four 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: Resubmission

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$135,450	\$ -	\$ -	\$ -	\$ -	\$135,450

Description: Purchase and install four new torque valve actuators for the main inlet isolation valves (for train no. 1 through 4).

Project Cost Savings & Revenues: Valve actuators replacement will result in timesaving, allowing staff to increase productivity.

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ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW30

Belt Filter Press and Solids Handling Expansion

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$385,000	\$2,204,030	\$ -	\$ -	\$2,589,030

Description: Design and build a new dewatering station to house two belt filter press units, new pumping system, new polymer feed system, and new overhead stationary conveyor system to properly fill roll-off 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: N/A

PROJECT REFERENCE WW31

Rehabilitation of Vacuum Truck Unloading 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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$75,000	\$399,720	\$ -	\$ -	\$ -	\$474,720

Description: The existing vacuum truck unloading station has limited space and needs dewatering improvements. Retrofit the station to allow vacuum trucks to unload properly onto the station without over spilling sewage onto the concrete drive.

Project Cost Savings & Revenues: Reduce man hours used for cleaning over spills at the existing station.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW32

Rehabilitation of Two Gravity Thickeners

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$1,136,490	\$1,136,490	\$ -	\$ -	\$2,272,980

Description: The existing dewatering gravity thickeners have exceeded their life expectancy. Retrofit the existing units with the complete replacement of internal components and mechanisms.

Project Cost Savings & Revenues: Reduce man hours used for checking the existing system manually to ensure it is in operation.

PROJECT REFERENCE WW33

Blowers for Aerobic Digesters (2 each)

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: Carryover

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$173,863	\$ -	\$ -	\$ -	\$ -	\$173,863

Description: The existing blowers and motors have exceeded their life expectancy. Replace existing blower and motor no. 6 and 7. Note: \$173,863 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: Increased efficiency, allowing the treatment plant process to respond with better treatment capabilities and lower costs for treatment per million gallons processed.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW34

LS 45 Relocation Project – engineering

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 1,803	\$ -	\$ -	\$ -	\$ -	\$ 1,803

Description: Engineer the demolition, relocation and reconstruction of Lift Station No. 45, including the installation of 1,380 linear feet of force main, 128 linear feet of 15" PVC gravity sewer main and 519 linear feet of 2" PVC water line. Note: \$1,803 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW35

Pumping and Treatment Apparatus Equipment

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 90,067	\$ -	\$ -	\$ -	\$ -	\$ 90,067

Description: Replace existing pumping and treatment apparatus equipment, as needed. Note: \$90,067 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE WW36

Lift Station General Pump Replacements

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 97,000	\$ -	\$ -	\$ -	\$ -	\$ 97,000

Description: Purchase 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: N/A

PROJECT REFERENCE WW37

Lift Station No. 9 Pump Rehabilitation – engineering (Packet No. 1) and construction

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$367,954	\$200,000	\$ -	\$ -	\$ -	\$567,954

Description: Existing pumps are at the end of life cycle and unreliable. New pumps will be submersible and non-clog. Also, rehabilitate Lift Station No. 9 by replacing the pump and corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$67,954 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE WW38

Lift Station No. 10 Rehabilitation – engineering (Packet No. 2) and construction

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 57,127	\$ -	\$ -	\$ -	\$695,000	\$752,127

Description: Rehabilitate Lift Station No. 10 by replacing the wet well, corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$57,127 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

PROJECT REFERENCE WW39

Lift Station No. 11 Rehabilitation – engineering (Packet No. 2) and construction

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 57,127	\$ -	\$ -	\$ -	\$695,000	\$752,127

Description: Rehabilitate Lift Station No. 11 by replacing the wet well, corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$57,127 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW40

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ -	\$ -	\$700,000	\$ -	\$700,000

Description: Lift station is beyond its service life. Its structural, mechanical, and electronic condition has deteriorated and has made the lift station unsafe, unreliable, and inefficient. Lift station discharge piping, pump base ells, and valves are corroded. Concrete structures such as the wet well are obsolete and in poor condition. Electrical components such as the pump controls are obsolete and unreliable. Other aspects of the lift station site also need safety, security, and accessibility improvements to bring the lift station into compliance with current specifications and regulations.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

PROJECT REFERENCE WW41

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ -	\$ -	\$ -	\$650,000	\$650,000

Description: Lift station is beyond its service life. Its structural, mechanical, and electronic condition has deteriorated and has made the lift station unsafe, unreliable, and inefficient. Lift station discharge piping, pump base ells, and valves are corroded. Concrete structures such as the wet well are obsolete and in poor condition. Electrical components such as the pump controls are obsolete and unreliable. Other aspects of the lift station site also need safety, security, and accessibility improvements to bring the lift station into compliance with current specifications and regulations.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW42

Lift Station No. 15 Rehabilitation – engineering (Packet 2) and construction

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$707,007	\$370,400	\$ -	\$ -	\$ -	\$1,077,407

Description: High wastewater turbulence leads to a higher rate of hydrogen sulfide and strip from the wastewater into the ambient air locally, which causes corrosion and foul odors in the system.

Modification to the receiving manholes and force main outfall at the lift station will reduce corrosion and foul odor generation. Also, rehabilitate Lift Station No. 15 by replacing the wet well, corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$151,407 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: With less hydrogen sulfide gas generation, there will be less odor control necessary, thereby generating savings in that area.

PROJECT REFERENCE WW43

Lift Station No. 17 Rehabilitation – engineering (Packet 1) and construction

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$198,005	\$ -	\$650,000	\$ -	\$ -	\$848,005

Description: Lift station is beyond its service life. Its structural, mechanical, and electronic condition has deteriorated and has made the lift station unsafe, unreliable, and inefficient. Lift station discharge piping, pump base ells, and valves are corroded. Concrete structures such as the wet well are obsolete and in poor condition. Electrical components such as the pump controls are obsolete and unreliable. Other aspects of the lift station site also need safety, security, and accessibility improvements, such as a new perimeter fence and entrance driveway, to bring the lift station into compliance with current specifications and regulations. Note: \$198,005 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW44

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ -	\$695,000	\$ -	\$ -	\$695,000

Description: Lift station is beyond its service life. Its structural, mechanical, and electrical condition has deteriorated and has made the lift station unsafe, unreliable, and inefficient. Lift station discharge piping, pump base ells, and valves are corroded. Concrete structures such as the wet well are obsolete and in poor condition. Electrical components such as the pump controls are obsolete and unreliable. Other aspects of the lift station site also need safety, security, and accessibility improvements, such as a new perimeter fence and entrance driveway, to bring the lift station into compliance with current specifications and regulations.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

PROJECT REFERENCE WW45

Lift Station No. 28 Rehabilitation – engineering (Packet 1) and construction

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 57,127	\$ -	\$695,000	\$ -	\$ -	\$752,127

Description: Rehabilitate the lift station, including: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls; and installation of new perimeter fence and concrete driveway. Note: \$57,127 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW46

Lift Station No. 41 Rehabilitation

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$498,000	\$332,000	\$ -	\$ -	\$ -	\$830,000

Description: Rehabilitate the lift station 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: N/A

PROJECT REFERENCE WW47

Lift Station No. 43 Rehabilitation – engineering (Packet 1) and construction

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 55,013	\$ -	\$ -	\$ -	\$ 500,000	\$555,013

Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$55,013 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW48

Lift Station No. 44 Rehabilitation – engineering and construction

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 19,008	\$ -	\$545,000	\$ -	\$ -	\$564,008

Description: Lift station is beyond its service life. Its structural, mechanical, and electrical condition has deteriorated and made the lift station unsafe, unreliable, and inefficient. The discharge piping, pump base ells, and valves have corroded. Concrete structures such as its wet well are obsolete and in poor condition. Electrical components such as the pump controls are obsolete and unreliable. Other aspects of the lift station site also need safety, security, and accessibility improvements to bring the lift station into compliance with current specifications and regulations. Note: \$19,008 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW49

Lift Station No. 45 Relocation Project – construction contract

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$501,843	\$ -	\$ -	\$ -	\$ -	\$501,843

Description: Demolish the existing lift station. Relocate and reconstruct the lift station, including the installation of 1,380 linear feet of force main, 128 linear feet of 15-inch PVC gravity sewer main and 519 linear feet of 2-inch PVC water line. Note: \$501,843 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW50

Lift Station No. 47 Rehabilitation – engineering (Packet 2) and construction

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 78,811	\$ -	\$535,000	\$ -	\$ -	\$613,811

Description: Lift station is beyond its service life. Its structural, mechanical, and electrical condition has deteriorated and made the lift station unsafe, unreliable, and inefficient. The discharge piping, pump base ells, and valves have corroded. Concrete structures such as its wet well are obsolete and in poor condition. Electrical components such as the pump controls are obsolete and unreliable. Other aspects of the lift station site also need safety, security, and accessibility improvements to bring the lift station into compliance with current specifications and regulations. Note: \$78,811 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

PROJECT REFERENCE WW51

Lift Station No. 51 Rehabilitation – engineering (Packet 2) and construction

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 61,280	\$200,000	\$ -	\$ -	\$ -	\$261,280

Description: : Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$61,280 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

PROJECT REFERENCE WW52

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ -	\$ -	\$ -	\$695,000	\$695,000

Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

PROJECT REFERENCE WW53

Lift Station No. 58 Rehabilitation – engineering (Packet 1) and construction

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 57,127	\$ -	\$535,000	\$ -	\$ -	\$592,127

Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$57,127 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW54

Lift Station No. 63 Rehabilitation – engineering (Packet 2) and construction

Organization: 3230 Wastewater Lift Stations Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation Project Considered: Reliability
Project Occurrence: One-time Originator: Noe C. Hernandez
Category: Carryover

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$1,543,339	\$926,800	\$ -	\$ -	\$ -	\$2,470,139

Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Also, replace the motor control center (MCC) building and electrical pump control. Land acquisition is necessary to relocate MCC building away from existing wet well to prevent hydrogen sulfide from entering the building. Note: \$153,139 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

PROJECT REFERENCE WW55

Lift Station No. 65A Pump Replacement

Organization: 3230 Wastewater Lift Stations Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation Project Considered: Must Do
Project Occurrence: One-time Originator: Noe C. Hernandez
Category: Carryover

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 62,000	\$ -	\$ -	\$ -	\$ -	\$ 62,000

Description: Replace the existing pump with a new submersible wastewater non-clog pump. Note: \$62,000 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

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PROJECT REFERENCE WW56

Lift Station No. 65B 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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 82,000	\$ -	\$ -	\$ -	\$ -	\$ 82,000

Description: Replace the existing pump with a new submersible wastewater non-clog pump.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

PROJECT REFERENCE WW57

Lift Station No. 67 Rehabilitation – engineering (Packet 2) and construction

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$266,285	\$ -	\$ -	\$ -	\$ -	\$266,285

Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$66,285 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW58

Lift Station No. 68 Rehabilitation – engineering and construction

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 6,939	\$ -	\$ -	\$721,000	\$ -	\$727,939

Description: Lift station is beyond its service life. Lift station discharge piping, pump base ells, and valves have corroded. Concrete structures such as the wet well are obsolete and in poor condition. Electrical components such as the pump controls are obsolete and unreliable. Other aspects of the lift station site also need safety, security, and accessibility improvements to bring the lift station into compliance with current specifications and regulations. Note: \$6,939 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

PROJECT REFERENCE WW59

Lift Station No. 69 Rehabilitation – engineering and construction

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 18,347	\$ -	\$ -	\$675,000	\$ -	\$693,347

Description: Lift station is beyond its service life. Lift station discharge piping, pump base ells, and valves are corroded. Concrete structures such as the wet well are obsolete and in poor condition. Electrical components such as the pump controls are obsolete and unreliable. Other aspects of the lift station site also need safety, security, and accessibility improvements to bring the lift station into compliance with current specifications and regulations. Note: \$18,347 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE WW60

Lift Station No. 72 Rehabilitation – engineering (Packet No. 1) and construction

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$137,248	\$ -	\$675,000	\$ -	\$ -	\$812,248

Description: Lift station is beyond its service life. Its structural, mechanical, and electrical condition has deteriorated and has made the lift station unsafe, unreliable, and inefficient. Lift station discharge piping, pump base ells, and valves are corroded. Concrete structures such as the wet well are obsolete and in poor condition. Electrical components such as the pump controls are obsolete and unreliable. Other aspects of the lift station site also need safety, security, and accessibility improvements, such as perimeter fence and entrance driveway, to bring the lift station into compliance with current specifications and regulations. Note: \$137,248 is the FY 2019 carryover amount

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW61

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ -	\$ -	\$695,000	\$ -	\$695,000

Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
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PROJECT REFERENCE WW62

Lift Station No. 80 Rehabilitation – engineering (Packet 2) and construction

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 63,308	\$ -	\$ -	\$200,000	\$ -	\$263,308

Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$63,308 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

PROJECT REFERENCE WW63

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ -	\$695,000	\$ -	\$ -	\$695,000

Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW64

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ -	\$ -	\$ -	\$695,000	\$695,000

Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

PROJECT REFERENCE WW65

Lift Station No. 89 Rehabilitation – engineering (Packet 2) and construction

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 57,127	\$ -	\$ -	\$400,000	\$ -	\$457,127

Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$57,127 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

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ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW66

Lift Station No. 95 Rehabilitation – engineering (Packet 1) and construction

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover and Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$141,297	\$ -	\$545,000	\$ -	\$ -	\$686,297

Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$141,297 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

PROJECT REFERENCE WW67

Lift Station No. 96 Decommission and Wastewater Line Installation – engineering (Packet 1) and construction

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover and Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Noe C. Hernandez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 57,127	\$ -	\$ -	\$ -	\$400,000	\$457,127

Description: Decommission the lift station through installation of required sanitary sewer main and complete removal, demolition, and proper abandonment of the lift station. Note: \$57,127 is the FY 2019 carryover amount.

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 2020 – FY 2024

PROJECT REFERENCE WW68

Lift Station No. 99 Rehabilitation – engineering (Packet 1) and construction

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$193,970	\$ -	\$306,030	\$ -	\$ -	\$500,000

Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$193,970 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

PROJECT REFERENCE WW69

Lift Station No. 101 Rehabilitation – engineering (Packet 2) and construction

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 76,108	\$ -	\$500,000	\$ -	\$ -	\$576,108

Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$76,108 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW70

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ -	\$ -	\$ -	\$500,000	\$500,000

Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

PROJECT REFERENCE WW71

Lift Station No. 103 Decommission and Wastewater Line Installation

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ -	\$ -	\$ -	\$500,000	\$500,000

Description: Decommission the lift station through installation of required sanitary sewer main and complete removal, demolition, and proper abandonment of lift station.

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 2020 – FY 2024

PROJECT REFERENCE WW72

Lift Station No. 105 Rehabilitation – engineering (Packet 2) and construction

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 64,848	\$535,000	\$ -	\$ -	\$ -	\$599,848

Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$64,848 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

PROJECT REFERENCE WW73

Lift Station No. 106 Rehabilitation – engineering (Packet 2) and construction

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$487,029	\$ -	\$ -	\$ -	\$ -	\$487,029

Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$487,029 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE WW74

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ -	\$ -	\$ -	\$500,000	\$500,000

Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fitting, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

PROJECT REFERENCE WW75

Lift Station No. 140 Rehabilitation – engineering (Packet 1) and construction

Organization: 3230 Wastewater Lift Stations
Project Related to: Growth
Project Occurrence: One-time
Category: Carryover

Funding Source: Commercial Paper
Project Considered: Load/Capacity Relief
Originator: Noe C. Hernandez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$241,297	\$ -	\$ -	\$ -	\$ -	\$241,297

Description: Upgrade Lift Station No. 140's capacity to accommodate projected wastewater demand by replacing the wet well, mechanical components and electrical components. Note: \$91,297 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW76

Lift Station No. 159 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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$750,000	\$ -	\$ -	\$ -	\$750,000

Description: Replace and relocate existing motor control center (MCC) building, including all electrical gear, removal of existing MCC building and disposal of outdated electrical gear.

Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.

PROJECT REFERENCE WW77

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ -	\$100,000	\$575,000	\$690,000	\$1,365,000

Description: Wastewater flows toward the south system; and there is no infrastructure to transfer these flows to the north system. Lift Station No. 4 force main installation will reroute flows to the north system.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW78

South to North Wastewater Reroutes – Lift Station No. 20, 22 and 27 Valve Reconfigurations – engineering

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$312,000	\$ -	\$ -	\$ -	\$312,000

Description: Wastewater flows toward the south system; and there is no infrastructure to transfer them to the north system. Lift Station No. 20, 22 and 27's valve reconfigurations will reroute flows to the north system.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW79

South to North Wastewater Reroutes – Lift Station No. 33 and Force Main Upgrade

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 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ -	\$2,500,000	\$ -	\$ -	\$2,500,000

Description: Wastewater flows toward the south system; and there is no infrastructure to transfer them to the north system. Lift Station No. 33 and force main upgrade will reroute flows to the north system.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW80

Estimated miscellaneous carryover project amount

Organization: 3310 Water & Wastewater Engineering Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation Project Considered: Must Do
Project Occurrence: One-time Originator: Alfredo Resendez
Category: Carryover

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 37,308	\$ -	\$ -	\$ -	\$ -	\$ 37,308

Description: Carryover projects include wastewater line inspections for subdivisions throughout the City and other wastewater utility projects. Note: \$37,308 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW81

South Colonias Project Design

Organization: 3310 Water & Wastewater Engineering Funding Source: Improvement and Impact Fees
Project Related to: Growth Project Considered: Load/Capacity Relief
Project Occurrence: One-time Originator: Alfredo Resendez
Category: Carryover

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 88,500	\$ 88,500	\$ -	\$ -	\$ -	\$177,000

Description: This project is for the construction and addition of first-time sewer services to various colonias in the South areas of Brownsville. This funding is for the design and surveying portion of this project. Note: \$88,500 is the FY 2019 carryover amount from the Improvement Fund.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW82

North Colonias Project Design

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

Funding Source: Improvement and Impact Fees
Project Considered: Load/Capacity Relief
Project Considered: Must Do
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 61,500	\$ 61,500	\$ -	\$ -	\$ -	\$123,000

Description: This project is for the construction and addition of first-time sewer services to various colonias in the North areas of Brownsville. This funding is for the design and surveying portion of this project. Note: \$61,500 is the FY 2019 carryover amount from the Improvement Fund.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW83

FM 511 – 802 Colonia Wastewater Improvements Project – additional funds

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

Funding Source: Improvement
Project Considered: Load/Capacity Relief
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000

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 seven new lift stations. Note: \$50,000 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW84

Brownsville Airport Terminal Project

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

Funding Source: Improvement
Project Considered: Reliability
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 2,071	\$ -	\$ -	\$ -	\$ -	\$ 2,071

Description: Inspect wastewater line improvements proposed for the Brownsville Airport Terminal Project. Note: \$2,071 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW85

Palm Village Utility Improvements - engineering

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

Funding Source: Improvement
Project Considered: Reliability
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 59,514	\$ -	\$ -	\$ -	\$ -	\$ 59,514

Description: Engineering and design of proposed utility improvements at the Palm Village Plaza between Palm Boulevard and Old Alice Road. The project involves the replacement of the gravity sewer collection system with PVC pipe, fiberglass manholes and service laterals. Note: \$59,514 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW86

Rentfro Blvd Utility Improvements - engineering

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

Funding Source: Improvement
Project Considered: Reliability
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 51,520	\$ -	\$ -	\$ -	\$ -	\$ 51,520

Description: Design and engineer the proposed utility improvements at Rentfro Boulevard between Eastern Boulevard and Shidler Drive. The project involves the replacement of the gravity sewer collection system with PVC pipe, fiberglass manholes and service laterals. Note: \$51,520 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A.

PROJECT REFERENCE WW87

Los Ebanos Blvd Utility Improvements (between East Drive and Honeydale Road) - engineering

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

Funding Source: Improvement
Project Considered: Reliability
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 53,814	\$ -	\$ -	\$ -	\$ -	\$ 53,814

Description: Design and engineer the proposed utility improvements at Los Ebanos Boulevard between East Drive and Honeydale Road. Note: \$53,814 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW88

Sewer Replacements related to the City Street Paving and Drainage Improvement Projects

Organization: 3310 Water & Wastewater Engineering Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation Project Considered: Must Do
Project Occurrence: One-time Originator: Alfredo Resendez
Category: Carryover and Resubmission

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$971,400	\$800,000	\$ -	\$ -	\$ -	\$1,771,400

Description: Replace the clay wastewater gravity mains, service laterals and concrete manholes with PVC wastewater mains, service laterals and fiberglass manholes due to the City's Street Reconstruction Five-Year Plan. Note: \$171,400 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW89

Old Port Isabel Road 24-inch diameter force main replacement

Organization: 3310 Water & Wastewater Engineering Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation Project Considered: Must Do
Project Occurrence: One-time Originator: Alfredo Resendez
Category: Carryover

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 12,682	\$ -	\$ -	\$ -	\$ -	\$ 12,682

Description: Design and engineer the replacement of the 24-inch force main on Old Port Isabel Road between Price Road and Ruben Torres Blvd. Note: \$12,682 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2020 – FY 2024

PROJECT REFERENCE WW90

North Regional Lift Stations and Force Main System - Phase 1

Organization: 3230 Wastewater Lift Stations

Project Related to: Growth

Project Occurrence: One-time

Category: Carryover

Funding Source: Impact Fees

Project Considered: Load/Capacity Relief

Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$600,000	\$ -	\$ -	\$ -	\$ -	\$600,000

Description: Wastewater flow from BPUB's northwest service areas is currently bottlenecked through a series of force mains and lift stations along major arterials that serve other areas and were not designed/sized to serve the northwest. These force mains and lift stations are overloaded and cannot accommodate any more flow from additional growth. Design and engineer the improvements needed to provide load/capacity relief for the areas serving the northwest side of the City. Note: \$600,000 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW91

Estimated miscellaneous carryover project amount

Organization: 3310 Water & Wastewater Engineering

Project Related to: Replacement/Upgrade/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$235,797	\$ -	\$ -	\$ -	\$ -	\$235,797

Description: This line item is the budget for the carryover projects rolled over from Fiscal Year 2019. Projects include inspections of subdivisions throughout the City and other wastewater line improvements. Note: \$235,797 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW92

FM 511 – 802 Colonia Wastewater Improvements Project

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

Funding Source: Commercial Paper
Project Considered: Load/Capacity Relief
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ 68,080	\$ -	\$ -	\$ -	\$ -	\$ 68,080

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 seven new lift stations. Note: \$68,080 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW93

Gazelle Street – Paving and Drainage Improvements

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

Funding Source: Commercial Paper
Project Considered: Reliability
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$162,117	\$ -	\$ -	\$ -	\$ -	\$162,117

Description: Replace clay wastewater gravity mains, service laterals and concrete manholes with PVC wastewater main, service laterals and fiberglass manholes on Gazelle Street due to the City's Street Reconstruction Five-Year Plan. Note: \$162,117 is the FY 2019 carryover amount.

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

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW94

Vapor Phase Odor Control Design, Bidding and Construction Services (7 lift stations)

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$343,932	\$ -	\$ -	\$ -	\$ -	\$343,932

Description: Provide vapor phase odor control biotrickling filters for seven lift stations throughout the wastewater collections system. Note: \$343,932 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: Switching from chemical phase to vapor phase will generate cost savings.

PROJECT REFERENCE WW95

Roosevelt Street Utility Improvements

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$168,248	\$ -	\$ -	\$ -	\$ -	\$168,248

Description: Replace clay wastewater gravity mains, service laterals and concrete manholes with PVC wastewater mains, service laterals and fiberglass manholes on Roosevelt Street between McDavitt Blvd and E 13th Street. Note: \$168,248 is the FY 2019 carryover amount.

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

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW96

Boca Chica Median Project

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

Funding Source: Commercial Paper
Project Considered: Must Do
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Description: Design and engineer the possible replacement of wastewater mains and connections along the right of way along Boca Chica Blvd between I-69E and State Highway 48 (International Blvd). TXDOT proposes to construct a raised median with landscaping to replace the existing continuous left turn lane. Note: \$0 is the FY 2019 carryover amount.

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

PROJECT REFERENCE WW97

Palo Verde Sewer Rehabilitation - construction

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

Funding Source: Commercial Paper
Project Considered: Must Do
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$227,421	\$ -	\$ -	\$ -	\$ -	\$227,421

Description: Replace the existing clay wastewater gravity mains, service laterals and concrete manholes with PVC wastewater mains, service laterals and fiberglass manholes on Palo Verde Drive due to City's Street Reconstruction Five-Year Plan. Note: \$227,421 is the FY 2019 carryover amount.

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

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW98

Colonia Coronado Wastewater Improvements – in-kind services

Organization: 3310 Water & Wastewater Engineering

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$297,327	\$ -	\$ -	\$ -	\$ -	\$297,327

Description: BPUB and Cameron County have an inter-local agreement to provide first-time sanitary sewer collection services to residents of Colonia Coronado. This project consists of extending the sanitary sewer infrastructure and private yard-line connections to provide services to serve approximately 43 dwellings. Note: \$297,327 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW99

North Street Paving and Drainage Improvements

Organization: 3310 Water & Wastewater Engineering

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$250,000	\$ -	\$ -	\$ -	\$ -	\$250,000

Description: Replace clay wastewater gravity mains, service laterals and concrete manholes with PVC wastewater mains, service laterals and fiberglass manholes on North Street due to the City's Street Reconstruction Five-Year Plan.

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

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW100

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: Alfredo Resendez
Category: Resubmission

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$100,000	\$1,200,000	\$1,150,000	\$ -	\$2,450,000

Description: The analysis, design and construction will upgrade the lift station pumps and force mains from Lift Station No. 9, 41 and 172 to the Robindale Wastewater Treatment Plant.

Project Cost Savings & Revenues: Reducing the pumping pressures will provide energy savings.

PROJECT REFERENCE WW101

FM 802 Gravity Sewer Interceptor

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$100,000	\$ -	\$ -	\$ -	\$100,000

Description: The current system involves the use of lift stations. The new system eliminates the need of the lift stations by conveyance of wastewater through gravity sewer lines. The project is for the design of the gravity sewer interceptor along FM 802.

Project Cost Savings & Revenues: The project will eliminate the need for O&M for the affected lift stations.

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW102

North Regional Lift Stations and Force Main System - Phase 1

Organization: 3230 Wastewater Lift Stations
Project Related to: Growth
Project Occurrence: One-time
Category: Resubmission

Funding Source: Commercial Paper
Project Considered: Load/Capacity Relief
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$1,500,000	\$1,000,000	\$ -	\$ -	\$2,500,000

Description: Wastewater flow from BPUB's northwest service areas is currently bottlenecked through a series of force mains and lift stations along major arterials that serve other areas and were not designed/sized to serve the northwest. These force mains and lift stations are overloaded and cannot accommodate any more flow from additional growth. Design, engineer and construct four regional lift stations and a major trunk force main across the north side of the service area, connecting the system directly to the Robindale Wastewater Treatment Plant.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE WW103

North Regional Lift Stations and Force Main System – Phase 2

Organization: 3230 Wastewater Lift Stations
Project Related to: Growth
Project Occurrence: One-time
Category: New

Funding Source: Commercial Paper
Project Considered: Load/Capacity Relief
Originator: Alfredo Resendez

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$1,250,000	\$1,200,000	\$ -	\$ -	\$2,450,000

Description: Wastewater flow from BPUB's northwest service areas is currently bottlenecked through a series of force mains and lift stations along major arterials that serve other areas and were not designed/sized to serve the northwest. These force mains and lift stations are overloaded and cannot accommodate any more flow from additional growth. Design, engineer and construct four regional lift stations and a major trunk force main across the north side of the service area, connecting the system directly to the Robindale Wastewater Treatment Plant.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW104

BECC/NADBANK Home Connections in FM 511/802 Colonias Project Area

Organization: 3310 Water & Wastewater Engineering Funding Source: Grants
Project Related to: Replacements/Upgrades/Rehabilitation Project Considered: General
Project Occurrence: One-time Originator: Alfredo Resendez
Category: Carryover

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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 WW105

Carryover Capital Equipment

Organization: 9110 Company-wide Expenses Funding Source: Improvement
Project Related to: Growth Project Considered: Must Do
Project Occurrence: One-time Originator: Company wide
Category: Carryover

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$1,080,521	\$ -	\$ -	\$ -	\$ -	\$1,080,521

Description: This line item is the budget for the carryover capital equipment. These items include purchases of vehicles and other equipment. Note: \$1,080,521 is the FY 2019 carryover amount.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE WW106

Estimated Capital Equipment

Organization: 9110 Company-wide Expenses
Project Related to: Growth
Project Occurrence: One-time
Category: New

Funding Source: Improvement
Project Considered: Must Do
Originator: Company wide

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Description: This line item is the approved budget for capital equipment. These items include purchases of vehicles and other equipment.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE G23

New Service Center (FM 511) and furniture, fixtures and other equipment

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

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

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$6,612,525	\$ -	\$ -	\$ -	\$ -	\$6,612,525

Description: Construct a new Service Center on FM 511. Purchase and install furniture, fixtures and other equipment for the Service Center. Note: \$6,612,525 is the FY 2019 carryover amount, of which \$5,132,435 is Commercial Paper and \$1,480,090 is Improvement.

Project Cost Savings & Revenues: N/A

FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER
FY 2020 – FY 2024

PROJECT REFERENCE G24

New Annex Administration Building and furniture, fixtures and other equipment

Organization: 1110 General Manager

Funding Source: Commercial Paper and
Improvement

Project Related to: Growth

Project Considered: Must Do

Project Occurrence: One-time

Originator: Marie Leal

Category: Carryover

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$20,281,000	\$6,819,000	\$ -	\$ -	\$ -	\$27,100,000

Description: Construct a new Annex Administration Building on FM 511. Purchase and install furniture, fixtures and other equipment for the Annex Administration Building. Note: \$4,500,000 is the FY 2019 carryover amount from Commercial Paper.

Project Cost Savings & Revenues: N/A

PROJECT REFERENCE G25

Administration Building Remodel and furniture, fixtures and other equipment

Organization: 1110 General Manager

Funding Source: Commercial Paper

Project Related to: Growth

Project Considered: Must Do

Project Occurrence: One-time

Originator: Marie Leal

Category: Carryover

Estimated Costs by Fiscal Year

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
\$ -	\$ -	\$ -	\$2,600,000	\$ -	\$2,600,000

Description: Remodel the existing Administration Building. Purchase and install furniture, fixtures and other equipment for the Administration Building.

Project Cost Savings & Revenues: N/A

CAPITAL BUDGET SUMMARY
Improvement Fund Projects (Fund 400)

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2020	FISCAL YEARS 2021 - 2024	FIVE-YEAR TOTAL
ELECTRIC PROJECTS				
DEPARTMENT 2120 - SUBSTATIONS AND RELAYING				
E 1	FM 802 Substation Battery Bank Replacement	11,590	-	11,590
E 2	138 KV Breakers Replacement at FM 802, Military Hwy, and Waterport Substations	343,028	-	343,028
E 3	Power Transformer for Military Substation	2,559	-	2,559
E 4	Dynamic disturbance recorder equipment for Price Rd Substation	49,678	-	49,678
E 5	Battery Banks Replacement at FM 802, Midtown, and Titan Substations	100,000	-	100,000
E 6	Airport Substation, Transformer No. 1 Upgrade, 69 KV to 138 KV	300,000	2,900,000	3,200,000
E 7	Replace Legacy Overcurrent and Transformer Differential Protection Relays	75,000	225,000	300,000
E 8	Power Transformers Radiators Replacement	60,000	40,000	100,000
E 9	Replace 1200 Amp Disconnect Switches at Power Plant and Waterport	90,000	30,000	120,000
E 10	Replace 138 KV breakers at Power Plant, South Plant and Midtown Substation	300,000	150,000	450,000
E 11	Replace Circuit Switches at FM 802 and 6th Street Substations	70,000	40,000	110,000
E 12	Replace Capacitor Vacuum Break Switches	100,000	-	100,000
Total for Dept. 2120		1,501,855	3,385,000	4,886,855
DEPARTMENT 2210 - SCADA & ELECTRICAL SUPPORT SERVICES				
E 13	SCADA (Substations Communications)	341,100	-	341,100
E 14	Fiber Optic for Communication Path from Loma Alta to FM802 Substation & South Plant to Airport Substations	-	200,000	200,000
E 15	Substation and Control Centers Video Camera Upgrade	-	350,000	350,000
Total for Dept. 2210		341,100	550,000	891,100
DEPARTMENT 2410 - ELECTRIC ENGINEERING				
E 17	Estimated miscellaneous carryover project amount - Electric Distribution	554,039	-	554,039
E 18	Estimated miscellaneous carryover project amount - Electric Transmission	12,093	-	12,093
E 19	New Connections *	804,379	2,015,400	2,819,779
E 20	New Subdivisions *	1,080,714	1,425,600	2,506,314
E 21	Security Light Installation *	268,780	307,500	576,280
E 22	Street Light Installations *	317,407	498,000	815,407
E 23	Trouble Calls & Service Increases *	1,172,210	2,949,300	4,121,510
E 24	Amfels OH to URD Conversion Project	191,488	-	191,488
E 25	Feeder Utility Pole Replacement Project off of Boca Chica Blvd and other locations in the City of Brownsville	49,909	-	49,909

Note:

*Denotes routine projects or projects that reoccur annually. All other non-noted projects are considered non-routine or are a one-time occurrence.

continued

CAPITAL BUDGET SUMMARY
Improvement Fund Projects (Fund 400) – Continued

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2020	FISCAL YEARS 2021 - 2024	FIVE-YEAR TOTAL
E 26	Electric Utility Improvements for Airport Passenger Terminal Expansion Project	1,100,000	-	1,100,000
E 27	University Blvd Underground 3-Phase Primary	218,612	-	218,612
E 28	Underground Feeder Circuit from Airport Substation to Trico	254,929	-	254,929
E 29	FM 511 Service Center Yard - Fiber Optic Design and Installation	52,598	-	52,598
E 30	FM 511 Service Center Yard - Alternate Feed Circuit	47,276	-	47,276
E 31	Rio Grande Distribution Substation Upgrade, 69 KV to 138 KV	635,531	-	635,531
E 32	Loma Alta Switching and Distribution Substation Upgrades to Accommodate the New Sharyland Utilities Switching Station	309,845	-	309,845
E 33	Relay and other upgrades at Price Rd, Waterport and Loma Alta Substations to accommodate the Sharyland Utilities Switching Station	127,147	-	127,147
E 34	SRWA Water Wells Generators Project	97,616	-	97,616
E 35	State Highway 48 Pole Relocation Project	82,266	-	82,266
E 36	Port of Brownsville Cross Arms Replacement	68,370	-	68,370
E 37	Capacitor Bank and Controller Installations	62,500	187,500	250,000
E 38	Purchase and Install a Second Power Transformer at the Palo Alto Substation	800,000	-	800,000
E 39	Loma Alta and Union Carbide 69 kV to 138 kV Conversion	250,000	4,000,000	4,250,000
E 40	South Plant Substation Feeders to serve developments in downtown and Southmost areas	443,200	-	443,200
E 41	Purchase and Install a Second Power Transformer at the Waterport Substation	942,500	-	942,500
E 42	New 28MVA 138/12.47kV Power Transformer - spare for Military Highway Substation	560,000	-	560,000
E 43	New 56 MVA Northwest Distribution Substation	1,500,000	3,830,000	5,330,000
E 44	Install Electrical Conductor and Conduit at Isla de Palmas Subdivision	168,000	-	168,000
E 45	Install Electrical Conductor and Conduit at Timbers Subdivision	89,600	-	89,600
E 46	Install Recloser Controls on Substation Feeders	175,000	75,000	250,000
E 47	Six New Rio Grande Substation Distribution Feeders	284,000	71,000	355,000
Total for Dept. 2410		12,720,009	15,359,300	28,079,309
DEPARTMENT 7135 - GEOGRAPHIC INFORMATION SYSTEMS				
E 50	Schneider ArcFM Fiber Manager Integration with GIS	150,000	-	150,000
E 51	Improvements submitted by staff for Electric Utility	-	150,000	150,000
Total for Dept. 7135		150,000	150,000	300,000
ELECTRIC TRANS. & DIST. PROJECT TOTAL:		14,712,964	19,444,300	34,157,264
DEPARTMENT 2220 - POWER PRODUCTION				
E 52	Hidalgo Capital Improvements *	854,755	300,000	1,154,755
E 53	Oklaunion Capital Improvements *	1,945,000	-	1,945,000

Note:

*Denotes routine projects or projects that reoccur annually. All other non-noted projects are considered non-routine or are a one-time occurrence.

continued

CAPITAL BUDGET SUMMARY
Improvement Fund Projects (Fund 400) – Continued

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2020	FISCAL YEARS 2021 - 2024	FIVE-YEAR TOTAL
E 54	Silas Ray Power Plant Battery Bank Replacement 2019	78,584	-	78,584
E 55	Unit 6/9 Protective Relay System Upgrade	300,000	175,000	475,000
E 56	Unit 10 Chiller Cooling Tower Replacement	784,839	-	784,839
E 57	Unit 6/9 GSU Project	877,157	-	877,157
E 58	Gas Compressor 9 A, B PLC Replacement	421,644	-	421,644
E 59	Unit 10 Ovation Control Replacement	-	684,803	684,803
E 60	Unit 6 Improvement Project - New Steam Turbine Generator Purchase and Installation	800,000	7,400,000	8,200,000
Total for Dept. 2220		6,061,979	8,559,803	14,621,782
DEPARTMENT 4310 - OPERATIONAL SUPPORT SERVICES				
E 61	Gas pipeline right-of-way project completion - amendment Board-approved on 01/14/2019	564,507	-	564,507
Total for Dept. 4310		564,507	-	564,507
ELECTRIC GENERATION PROJECT TOTAL:		\$ 6,626,486	\$ 8,559,803	\$ 15,186,289
ESTIMATED PROJECT TOTAL - ELECTRIC		\$ 21,339,450	\$ 28,004,103	\$ 49,343,553
GENERAL & ADMINISTRATIVE PROJECTS				
DEPARTMENT 1110 - GENERAL MANAGER				
G 1	Architect/engineering design services for Administration Building Annex	2,894,967	-	2,894,967
G 2	Architect/engineering design services for FM 511 Facilities Relocation Project	3,576,227	-	3,576,227
G 3	Administration Building Remodeling - design	134,605	-	134,605
G 4	Restrooms Renovation Project	462,455	-	462,455
Total for Dept. 1110		7,068,254	-	7,068,254
DEPARTMENT 1165 - RECORDS MANAGEMENT				
G 5	Implementation of an Enterprise Content Management (ECM) System	679,612	-	679,612
Total for Dept. 1165		679,612	-	679,612
DEPARTMENT 1422 - ANALYTICAL LAB				
G 6	Laboratory Expansion	-	1,600,000	1,600,000
Total for Dept. 1422		-	1,600,000	1,600,000
DEPARTMENT 6135 - CIS SUPPORT				
C 1	Cayenta Utilities (UMS) Upgrade	368,000	-	368,000
Total for Dept. 6135		368,000	-	368,000
DEPARTMENT 7130 - INFORMATION TECHNOLOGY				
G 7	Fax Over IP	8,906	-	8,906

Note:

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continued

CAPITAL BUDGET SUMMARY
Improvement Fund Projects (Fund 400) – Continued

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2020	FISCAL YEARS 2021 - 2024	FIVE-YEAR TOTAL
G 8	Tower Redundant Network Replacement at SCADA and Power Plant Facilities	64,419	-	64,419
G 9	Mobile Time Entry for Mobile Work Force	28,843	-	28,843
G 10	Server Storage	50,000	-	50,000
G 11	PureStorage - Expansion	120,000	-	120,000
G 12	Dell FX chassis and storage - Power Plant	80,000	-	80,000
G 13	Offsite Hardware - Drive Expansion	100,000	-	100,000
G 14	Power Plant IT Battery Bank Backup Power	50,000	-	50,000
G 15	Cognos Software	40,000	-	40,000
G 16	Cisco Core Networking Equipment - FM 511	150,000	-	150,000
G 17	UPS - IT Equipment at New Building FM 511	45,000	-	45,000
G 18	Dell FX chassis and storage - Main Building	80,000	-	80,000
G 19	Phone System Blades and Storage	110,000	-	110,000
G 20	Web Replication Software	-	40,000	40,000
G 21	APC / UPS - DataCenter Hardware Replacement	50,000	-	50,000
Total for Dept. 7130		977,168	40,000	1,017,168
DEPARTMENT 7160 - FACILITY MAINTENANCE				
G 22	Chiller for the Administration Building	78,721	-	78,721
Total for Dept. 7160		78,721	-	78,721
ESTIMATED TOTAL BY CATEGORY:				
GENERAL & ADMINISTRATIVE		8,803,755	1,640,000	10,443,755
ADMINISTRATIVE - CUSTOMER SERVICE		368,000	-	368,000
ESTIMATED PROJECT TOTAL - GEN. & ADMIN.		9,171,755	1,640,000	10,811,755
ESTIMATED OVERALL PROJECT TOTAL - ELECTRIC		\$ 30,511,205	\$ 29,644,103	\$ 60,155,308
E 62	ADD CARRYOVER CAPITAL EQUIPMENT	782,073	-	782,073
E 63	ADD ESTIMATED CAPITAL EQUIPMENT	1,251,985	6,000,000	7,251,985
ESTIMATED OVERALL TOTAL - ELECTRIC		\$ 32,545,263	\$ 35,644,103	\$ 68,189,366
WATER PROJECTS				
DEPARTMENT 3120 - WATER PLANT I				
W 1	Caustic soda bulk tank and chemical plumbing	65,964	-	65,964
W 2	High Service Pump Station No. 5 Replacement - Design	27,724	-	27,724
W 3	Clarifier Rehabilitation - engineering	8,598	-	8,598
W 4	Raw Water Pump Station - engineering (Packet 4)	120,365	750,000	870,365
W 5	High Service Pump Station No. 1 - engineering (Packet 4)	178,157	-	178,157
W 6	High Service Pump Station No. 2 - engineering (Packet 4)	89,734	-	89,734
W 7	Access Control and Facility Cameras	-	156,000	156,000
Total for Dept. 3120		490,542	906,000	1,396,542

Note:

*Denotes routine projects or projects that reoccur annually. All other non-noted projects are considered non-routine or are a one-time occurrence.

continued

CAPITAL BUDGET SUMMARY
Improvement Fund Projects (Fund 400) – Continued

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2020	FISCAL YEARS 2021 - 2024	FIVE-YEAR TOTAL
DEPARTMENT 3130 - WATER PLANT II				
W 21	Installation of New Caustic Soda Feed System	297,508	-	297,508
W 22	Water Plant No. 2 Roofing	158,268	-	158,268
W 23	Aeration Structure Rehabilitation - engineering (Packet 3)	215,970	-	215,970
W 24	Aeration Tank Replacement - engineering (Packet 3)	217,388	-	217,388
W 25	High Service Pump Station (5 vertical turbine pumps) - engineering (Packet 4)	106,574	-	106,574
W 26	Raw Water Pump Station - engineering (Packet 4)	85,009	-	85,009
Total for Dept. 3130		1,080,717	-	1,080,717
DEPARTMENT 3150 - W/WW OPERATIONS & CONSTRUCTION				
W 35	Water Distribution System Valve Replacement Project	17,207	-	17,207
W 36	Water Valve Replacement Phase 3 Project - engineering	17,145	-	17,145
Total for Dept. 3150		34,352	-	34,352
DEPARTMENT 3310 - WATER & WASTEWATER ENGINEERING				
W 40	Estimated miscellaneous carryover project amount	190,798	-	190,798
W 41	FM 802 Water Main Loop - engineering	8,905	-	8,905
W 42	W 5th Street Water Main Loop - engineering	15,672	-	15,672
W 43	South Old Alice Rd and Sunset Dr Utility Improvements - engineering	19,013	-	19,013
W 44	Tara Place, Dix Drive and Hacienda Lane Utility Improvements - engineering	20,247	-	20,247
W 45	Los Ebanos Blvd Utility Improvements (between East Drive and Honeydale Road) - engineering	19,570	-	19,570
W 46	Gabriel Street Water Service Line Crossings	76,604	-	76,604
W 47	Greenbriar Avenue Water Improvements - design	8,043	-	8,043
W 48	Brownsville Airport Terminal Project	312	-	312
W 49	Waterline extension for Water Plant 2	54,076	-	54,076
W 50	EST No. 8 - Two Million Gallon Elevated Storage Tank to Replace the Southmost Elevated Storage Tank - construction	3,800,000	-	3,800,000
W 51	Two each water tank trailers	232,214	-	232,214
W 52	Service Center Yard Water Utility Improvements	115,765	-	115,765
W 53	Installing first-time water service to residents of Torres Road	180,000	-	180,000
Total for Dept. 3310		4,741,219	-	4,741,219
ESTIMATED PROJECT TOTAL - WATER		\$ 6,346,830	\$ 906,000	\$ 7,252,830
W 79	ADD CARRYOVER CAPITAL EQUIPMENT	330,894	-	330,894
W 80	ADD ESTIMATED CAPITAL EQUIPMENT	-	-	-
ESTIMATED OVERALL TOTAL - WATER		\$ 6,677,724	\$ 906,000	\$ 7,583,724

Note:

*Denotes routine projects or projects that reoccur annually. All other non-noted projects are considered non-routine or are a one-time occurrence.

continued

CAPITAL BUDGET SUMMARY
Improvement Fund Projects (Fund 400) – Continued

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2020	FISCAL YEARS 2021 - 2024	FIVE-YEAR TOTAL
WASTEWATER PROJECTS				
DEPARTMENT 3210 - SOUTH WASTEWATER TREATMENT PLANT				
WW 4	High Efficient Blowers - engineering (Packet 5)	98,326	-	98,326
WW 5	Influent Channel - engineering (Packet 5)	298,288	-	298,288
WW 6	Digester Tank Replacement - engineering (Packet 5)	93,411	-	93,411
WW 7	Aeration Basin No. 3 - engineering (Packet 5)	65,702	-	65,702
WW 8	Belt Filter Press - engineering (Packet 4)	97,801	-	97,801
WW 9	Non-Potable Water Pump and Motor No. 1 - engineering (Packet 4)	102,358	-	102,358
Total for Dept. 3210		755,886	-	755,886
DEPARTMENT 3220 - ROBINDALE WASTEWATER TREATMENT PLANT				
WW 22	Ultraviolet Light Canopy Project - engineering, purchase and installation	325,222	-	325,222
WW 23	One New Grit Pump for the Eutek Head Cell Grit Pumping Station	1,442	-	1,442
WW 24	North Wastewater Treatment Plant Administration Building Improvements	374,901	-	374,901
WW 25	Purchase and installation of 4 each Mag RAS meter replacements	9,514	-	9,514
WW 26	Aerobic Digester Blowers - engineering (Packet 3)	815,010	-	815,010
WW 27	Non-Potable Water Pump and Motor No. 1 - engineering (Packet 4)	114,419	-	114,419
Total for Dept. 3220		1,640,508	-	1,640,508
DEPARTMENT 3230 - WASTEWATER LIFT STATIONS				
WW 34	LS 45 Relocation Project - engineering	1,803	-	1,803
WW 35	Pumping and Treatment Apparatus Equipment	90,067	-	90,067
WW 36	Lift Station General Pump Replacements	97,000	-	97,000
WW 54	Lift Station No. 63 Rehabilitation - engineering (Packet 2) and construction	1,543,339	926,800	2,470,139
Total for Dept. 3230		1,732,209	926,800	2,659,009
DEPARTMENT 3310 WATER & WASTEWATER ENGINEERING				
WW 80	Estimated miscellaneous carryover project amount	37,308	-	37,308
WW 81	South Colonias Project Design	88,500	-	88,500
WW 82	North Colonias Project Design	61,500	-	61,500
WW 83	FM 511-802 Colonia Wastewater Improvements Project - additional funds	50,000	-	50,000
WW 84	Brownsville Airport Terminal Project	2,071	-	2,071
WW 85	Palm Village Utility Improvements - engineering	59,514	-	59,514
WW 86	Rentfro Blvd Utility Improvements - engineering	51,520	-	51,520
WW 87	Los Ebanos Blvd Utility Improvements (between East Drive and Honeydale Road) - engineering	53,814	-	53,814
WW 88	Sewer Replacements related to the City Street Paving and Drainage Improvement Projects	971,400	800,000	1,771,400

Note:

*Denotes routine projects or projects that reoccur annually. All other non-noted projects are considered non-routine or are a one-time occurrence.

continued

CAPITAL BUDGET SUMMARY
Improvement Fund Projects (Fund 400) – Continued

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2020	FISCAL YEARS 2021 - 2024	FIVE-YEAR TOTAL
WW 89	Old Port Isabel Road 24-inch diameter force main replacement	12,682	-	12,682
Total for Dept. 3310		1,388,309	800,000	2,188,309
ESTIMATED PROJECT TOTAL - WASTEWATER		5,516,912	1,726,800	7,243,712
WW 105	ADD CARRYOVER CAPITAL EQUIPMENT	1,080,521	-	1,080,521
WW 106	ADD ESTIMATED CAPITAL EQUIPMENT	-	-	-
ESTIMATED OVERALL TOTAL - WASTEWATER		\$ 6,597,433	\$ 1,726,800	\$ 8,324,233
ESTIMATED PROJECT TOTAL		\$ 42,374,947	\$ 32,276,903	\$ 74,651,850
ESTIMATED CAPITAL EQUIPMENT TOTAL		3,445,473	6,000,000	9,445,473
OVERALL IMPROVEMENT FUND TOTAL - INTERNAL:		\$ 45,820,420	\$ 38,276,903	\$ 84,097,323
DEPARTMENT 1110 - GENERAL MANAGER				
G 23	New Service Center (FM 511) - furniture, fixtures and other equipment	1,480,090	-	1,480,090
G 24	New Annex Administration Building - furniture, fixtures and other equipment	-	4,000,000	4,000,000
G 25	Administration Building Remodel	-	2,100,000	2,100,000
G 25	Administration Building Remodel - furniture, fixtures and other equipment	-	500,000	500,000
Total for Dept. 1110		1,480,090	6,600,000	8,080,090
IMPROVEMENT FUND BUDGET - FACILITIES TOTAL		\$ 1,480,090	\$ 6,600,000	\$ 8,080,090
TOTAL IMPROVEMENT FUND BUDGET:		\$ 47,300,510	\$ 44,876,903	\$ 92,177,413

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CAPITAL BUDGET SUMMARY
Impact Fees Fund Projects (Fund 410)

PROJ. REF.	UTILITY FUNCTION	DESCRIPTION	FISCAL YEAR 2020	FISCAL YEARS 2021 - 2024	FIVE-YEAR TOTAL
WATER PROJECTS					
DEPARTMENT 3310 - WATER & WASTEWATER ENGINEERING					
W 55	Wtr T & D	16-inch Waterline Loop from Lago Vista to W. Alton Gloor Blvd	2,364,532	160,800	2,525,332
W 56	Wtr T & D	Waterline Upgrade on Southmost Blvd from old EST 4 site to Lima St.	50,000	200,000	250,000
W 57	Wtr T & D	Waterline Upgrade Near WTP No. 1	-	521,000	521,000
W 58	Wtr T & D	Concrete Steel Cylinder Waterline Upgrade from Boca Chica Blvd (SH48) to WTP No. 2	-	1,300,000	1,300,000
W 59	Wtr T & D	FM 511 Waterline Loop from SH 48 to Boca Chica	-	1,500,000	1,500,000
W 60	Wtr T & D	Martinal Area Waterline System Loop	-	1,100,000	1,100,000
W 61	Wtr T & D	Boca Chica Blvd Waterline Upgrade (International Blvd to Owens Road)	-	750,000	750,000
W 62	Wtr T & D	24-inch Waterline Loop along FM 511 from SRWA to Old Port Isabel Rd	-	2,388,000	2,388,000
Total for Dept 3310			2,414,532	7,919,800	10,334,332
ESTIMATED PROJECT TOTAL - WATER			\$ 2,414,532	\$ 7,919,800	\$ 10,334,332
DEPARTMENT 3310 - WATER & WASTEWATER ENGINEERING					
WW 81	WW Coll	South Colonias Project Design	-	88,500	88,500
WW 82	WW Coll	North Colonias Project Design	-	61,500	61,500
WW 90	WW Pump	North Regional Lift Stations and Force Main System - Phase 1	600,000	-	600,000
Total for Dept 3310			600,000	150,000	750,000
ESTIMATED PROJECT TOTAL - WASTEWATER			\$ 600,000	\$ 150,000	\$ 750,000
OVERALL TOTAL IMPACT FEES FUND BUDGET:			\$ 3,014,532	\$ 8,069,800	\$ 11,084,332

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CAPITAL BUDGET SUMMARY
Future Debt Bond Proceeds Projects (Commercial Paper Fund 405)

PROJ. REF.	UTILITY FUNCTION	DESCRIPTION	FISCAL YEAR 2020	FISCAL YEARS 2021 - 2024	FIVE-YEAR TOTAL
ELECTRIC PROJECTS					
DEPARTMENT 2210 - SCADA & ELECTRICAL SUPPORT SERVICES					
E 16	Elec Trans	Electrical SCADA Replacement of System Software and Hardware	136,717	-	136,717
Total for Dept 2210			136,717	-	136,717
DEPARTMENT 2410 - ELECTRIC ENGINEERING					
E 48	Elec Trans	Rio Grande Distribution Substation Upgrade, 69KV to 138 KV	1,802,949	-	1,802,949
E 49	Elec Trans	Underground conduit installation at Rio Grande Substation	12,070	-	12,070
Total for Dept 2410			1,815,019	-	1,815,019
ELECTRIC TRANS. & DIST. PROJECT TOTAL:			1,951,736	-	1,951,736
ESTIMATED OVERALL PROJECT TOTAL - ELECTRIC			\$ 1,951,736	\$ -	\$ 1,951,736
WATER PROJECTS					
DEPARTMENT 3120 - WATER PLANT I					
W 2	Wtr Supply	High Service Pump No. 5 - Pump and Motor (Construction)	736,200	-	736,200
W 8	Wtr Supply	Drain Valves for the Drying Lagoons	58,126	-	58,126
W 9	Wtr Treat	Replacement of Rakes for Two Clarifiers (B1 and B2)	7,077	350,000	357,077
W 10	Wtr Treat	Stainless Steel Slide Gate and Mud Valve Replacements at Flocculation Basin B	123,756	-	123,756
W 11	Wtr Treat	High Service Pump No. 3 Replacement	60,934	-	60,934
W 12	Wtr Treat	Flocculator Mixer Drives for Train B	62,111	-	62,111
W 13	Wtr Supply	Clarifiers drain sludge pump	32,500	-	32,500
W 14	Wtr Treat	Gate Valves for Flocculators - Train B	120,000	-	120,000
W 15	Wtr Treat	Two Flocculator Units (replace existing units)	60,000	-	60,000
W 16	Wtr Treat	Replace Influent Valves for 8 Filters	162,500	-	162,500
W 17	Wtr Treat	High Service Pump No. 2 - Pump and Motor (Construction)	588,000	-	588,000
W 18	Wtr Treat	Pump Station 1 High Service Pump No.6	-	932,000	932,000
W 19	Wtr Treat	Carbon Mixer motor, gear box and impeller	-	84,500	84,500
W 20	Wtr Treat	Conversion of ammonia containers and feed equipment from gas to liquid	-	376,740	376,740
Total for Dept 3120			2,011,204	1,743,240	3,754,444
DEPARTMENT 3130 - WATER PLANT II					
W 27	Wtr Treat	Aeration Tanks Replacement	-	800,000	800,000
W 28	Wtr Treat	Resaca Raw Water Pumping Station	-	612,750	612,750
W 29	Wtr Treat	Pump and Motor Replacement of Reservoir Raw Water Pump Number 1	196,500	-	196,500
W 30	Wtr Treat	Pump and Motor Replacement of Reservoir Raw Water Pump Number 3	196,500	-	196,500
W 31	Wtr Treat	High Service Station - Replacement and Upgrade	588,000	588,000	1,176,000

Note:

*Denotes routine projects or projects that reoccur annually. All other non-noted projects are considered non-routine or are a one-time occurrence.

continued

CAPITAL BUDGET SUMMARY
Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued

PROJ. REF.	UTILITY FUNCTION	DESCRIPTION	FISCAL YEAR 2020	FISCAL YEARS 2021 - 2024	FIVE-YEAR TOTAL
W 32	Wtr Treat	Replacement of Sludge Pump No 1 Pump and Motor	-	131,000	131,000
W 33	Wtr Treat	Conversion of ammonia containers and feed equipment from gas to liquid	-	275,000	275,000
Total for Dept 3130			981,000	2,406,750	3,387,750
DEPARTMENT 3140 - RAW WATER SUPPLY					
W 34	Water Sply	Raw Water to Resaca Flow Meter	-	102,750	102,750
Total for Dept 3140			-	102,750	102,750
DEPARTMENT 3150 - W/WW OPERATIONS & CONSTRUCTION					
W 37	Wtr T & D	Water New Connections *	784,596	2,600,000	3,384,596
W 38	Wtr T & D	Water Meter Vault Replacement Project	75,000	-	75,000
W 39	Wtr T & D	Valve Replacement Project Phase 2	250,000	250,000	500,000
Total for Dept 3150			1,109,596	2,850,000	3,959,596
DEPARTMENT 3310 - WATER & WASTEWATER ENGINEERING					
W 50	Wtr T & D	EST No. 8 - Two Million Gallon Elevated Storage Tank to Replace the Southmost Elevated Storage Tank - engineering	90,720	-	90,720
W 63	Wtr T & D	Estimated miscellaneous carryover project amount	42,486	-	42,486
W 64	Wtr T & D	Water Main Replacements related to City Street Paving and Drainage Improvement Projects	897,574	800,000	1,697,574
W 65	Wtr T & D	Gazelle Street - COB and Utility Improvements	135,907	-	135,907
W 66	Wtr T & D	North Street - COB and Utility Improvements	75,000	-	75,000
W 67	Wtr T & D	South Iowa - COB and Utility Improvements	75,000	-	75,000
W 68	Wtr Supply	36-inch Diameter Raw Water Line Replacement at Rotary Park - engineering	50,729	-	50,729
W 69	Wtr T & D	Martinal Area Water System Loop off of Old Port Isabel Road and FM 802 - engineering	22,809	-	22,809
W 70	Wtr T & D	Greenbriar Avenue Water Improvements - construction	89,175	-	89,175
W 71	Wtr T & D	18-inch Waterline along Old Hwy 77 and FM 511 to Old Alice Rd	-	1,546,000	1,546,000
W 72	Wtr T & D	Waterline Upgrade on Southmost Blvd from E 14th St to E 25th St	-	1,575,000	1,575,000
W 73	Wtr T & D	Waterline Upgrade on Southmost Blvd from E 25th St to E 30th St	-	758,000	758,000
W 74	Wtr T & D	12-inch Waterline West of Hwy 77	-	1,345,000	1,345,000
W 75	Wtr T & D	16-inch Waterline at Summer Hill Subdivision	-	894,000	894,000
W 76	Wtr T & D	16-inch Waterline Upgrade on Boca Chica Blvd from Owens Rd to Iowa Ave	-	1,850,000	1,850,000
W 77	Wtr T & D	30th Street Elevated Storage Tank Water Line	500,000	-	500,000
W 78	Wtr T & D	New Raw Water River Intake Facility	1,200,000	16,200,000	17,400,000
Total for Dept 3310			3,179,400	24,968,000	28,147,400

Note:

*Denotes routine projects or projects that reoccur annually. All other non-noted projects are considered non-routine or are a one-time occurrence.

continued

CAPITAL BUDGET SUMMARY
Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued

PROJ. REF.	UTILITY FUNCTION	DESCRIPTION	FISCAL YEAR 2020	FISCAL YEARS 2021 - 2024	FIVE-YEAR TOTAL
WATER PROJECT TOTAL:			\$ 7,282,210	\$ 32,070,740	\$ 39,351,940
ADD CARRYOVER CAPITAL EQUIPMENT			-	-	-
ADD ESTIMATED CAPITAL EQUIPMENT BUDGET			-	-	-
ESTIMATED OVERALL TOTAL - WATER			\$ 7,282,210	\$ 32,070,740	\$ 39,351,940
WASTEWATER PROJECTS					
DEPARTMENT 2210 - SCADA & ELECTRICAL SUPPORT SERVICES					
WW 1	WW Coll	W/WW SCADA Yard Communication Tower	250,000	-	250,000
WW 2	WW Coll	W/WW SCADA/Lift Station Integration	-	100,000	100,000
Total for Dept 2210			250,000	100,000	350,000
DEPARTMENT 3150 - W/WW OPERATIONS & CONSTRUCTION					
WW 3	WW Coll	Wastewater New Connections *	748,294	1,800,000	2,548,294
Total for Dept 3150			748,294	1,800,000	2,548,294
DEPARTMENT 3210 - SOUTH WASTEWATER TREATMENT PLANT					
WW 10	WW Treat	Chlorine Contact Chamber Sluice Gate Replacement Project	124,000	-	124,000
WW 11	WW Treat	Non-Potable Pump and Motor No. 1	42,312	-	42,312
WW 12	WW Treat	Effluent River Pump and Motor No. 3	147,713	-	147,713
WW 13	WW Treat	Aeration Blower and Motor No. 1	97,782	-	97,782
WW 14	WW Treat	Belt Filter Press and Solids Handling Improvements - construction	-	2,115,600	2,115,600
WW 15	WW Treat	Aeration Basin No. 1 Mixed Liquor Suspended Solids Influent Channel Repairs	83,850	-	83,850
WW 16	WW Treat	Aeration Basin No. 3 Valves Replacement	98,400	-	98,400
WW 17	WW Treat	Digester Tanks 1 and 2 Structural Rehabilitation	512,050	-	512,050
WW 18	WW Treat	Dissolved Oxygen Probes Installation and SCADA Monitoring	-	798,270	798,270
WW 19	WW Treat	RAS-WAS Pump Station Improvements	-	500,520	500,520
WW 20	WW Treat	Upgrade of Headworks Grit System	2,355,205	2,155,205	4,510,410
WW 21	WW Treat	Digester Blowers 18 - 20	313,650	-	313,650
Total for Dept 3210			3,774,962	5,569,595	9,344,557
DEPARTMENT 3220 - ROBINDALE WASTEWATER TREATMENT PLANT					
WW 28	WW Treat	Blower Building No. 1 Roof Replacement	40,050	-	40,050
WW 29	WW Treat	Four Torque Valve Actuators for the Train Inlet Isolation Valves	135,450	-	135,450
WW 30	WW Treat	Belt Filter Press and Solids Handling Expansion	-	2,589,030	2,589,030
WW 31	WW Treat	Rehabilitation of Vacuum Truck Unloading Station	75,000	399,720	474,720
WW 32	WW Treat	Rehabilitation of Two Gravity Thickeners	-	2,272,980	2,272,980
WW 33	WW Treat	Blowers for Aerobic Digesters (2 each)	173,863	-	173,863
Total for Dept 3220			424,363	5,261,730	5,686,093

Note:

*Denotes routine projects or projects that reoccur annually. All other non-noted projects are considered non-routine or are a one-time occurrence.

continued

CAPITAL BUDGET SUMMARY

Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued

PROJ. REF.	UTILITY FUNCTION	DESCRIPTION	FISCAL YEAR 2020	FISCAL YEARS 2021 - 2024	FIVE-YEAR TOTAL
DEPARTMENT 3230 - WASTEWATER LIFT STATIONS					
WW 37	WW Pump	Lift Station No. 9 Pump Rehabilitation - engineering (Packet No. 1) and construction	367,954	200,000	567,954
WW 38	WW Pump	Lift Station No. 10 Rehabilitation - engineering (Packet 2) and construction	57,127	695,000	752,127
WW 39	WW Pump	Lift Station No. 11 Rehabilitation - engineering (Packet 2) and construction	57,127	695,000	752,127
WW 40	WW Pump	Lift Station No. 12 Rehabilitation	-	700,000	700,000
WW 41	WW Pump	Lift Station No. 13 Rehabilitation	-	650,000	650,000
WW 42	WW Pump	Lift Station No. 15 Rehabilitation - engineering (Packet 2) and construction	707,007	370,400	1,077,407
WW 43	WW Pump	Lift Station No. 17 Rehabilitation - engineering (Packet No. 1) and construction	198,005	650,000	848,005
WW 44	WW Pump	Lift Station No. 23 Rehabilitation	-	695,000	695,000
WW 45	WW Pump	Lift Station No. 28 Rehabilitation - engineering (Packet 1) and construction	57,127	695,000	752,127
WW 46	WW Pump	Lift Station No. 41 Rehabilitation	498,000	332,000	830,000
WW 47	WW Pump	Lift Station No. 43 Rehabilitation - engineering (Packet 1) and construction	55,013	500,000	555,013
WW 48	WW Pump	Lift Station No. 44 Rehabilitation - engineering and construction	19,008	545,000	564,008
WW 49	WW Pump	Lift Station No. 45 Relocation Project - construction contract	501,843	-	501,843
WW 50	WW Pump	Lift Station No. 47 Rehabilitation - engineering (Packet 2)	78,811	535,000	613,811
WW 51	WW Pump	Lift Station No. 51 Rehabilitation - engineering (Packet 2) and construction	61,280	200,000	261,280
WW 52	WW Pump	Lift Station No. 53 Rehabilitation	-	695,000	695,000
WW 53	WW Pump	Lift Station No. 58 Rehabilitation - engineering (Packet 1) and construction	57,127	535,000	592,127
WW 55	WW Pump	Lift Station No. 65A Pump Replacement	62,000	-	62,000
WW 56	WW Pump	Lift Station No. 65B Pump Replacement	82,000	-	82,000
WW 57	WW Pump	Lift Station No. 67 Rehabilitation - engineering (Packet 2) and construction	266,285	-	266,285
WW 58	WW Pump	Lift Station No. 68 Rehabilitation - engineering and construction	6,939	721,000	727,939
WW 59	WW Pump	Lift Station No. 69 Rehabilitation - engineering and construction	18,347	675,000	693,347
WW 60	WW Pump	Lift Station No. 72 Rehabilitation - engineering (Packet No. 1) and construction	137,248	675,000	812,248
WW 61	WW Pump	Lift Station No. 77 Rehabilitation	-	695,000	695,000
WW 62	WW Pump	Lift Station No. 80 Rehabilitation - engineering (Packet 2) and construction	63,308	200,000	263,308
WW 63	WW Pump	Lift Station No. 82 Rehabilitation	-	695,000	695,000
WW 64	WW Pump	Lift Station No. 85 Rehabilitation	-	695,000	695,000

Note:

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continued

CAPITAL BUDGET SUMMARY

Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued

PROJ. REF.	UTILITY FUNCTION	DESCRIPTION	FISCAL YEAR 2020	FISCAL YEARS 2021 - 2024	FIVE-YEAR TOTAL
WW 65	WW Pump	Lift Station No. 89 Rehabilitation - engineering (Packet 2) and construction	57,127	400,000	457,127
WW 66	WW Pump	Lift Station No. 95 Rehabilitation - engineering (Packet 1) and construction	141,297	545,000	686,297
WW 67	WW Pump	Lift Station No. 96 Decommission and Wastewater Line Installation - engineering (Packet 1) and construction	57,127	400,000	457,127
WW 68	WW Pump	Lift Station No. 99 Rehabilitation - engineering (Packet 1) and construction	193,970	306,030	500,000
WW 69	WW Pump	Lift Station No. 101 Rehabilitation - engineering (Packet 2) and construction	76,108	500,000	576,108
WW 70	WW Pump	Lift Station No. 102 Rehabilitation	-	500,000	500,000
WW 71	WW Pump	Lift Station No. 103 Decommission and Wastewater Line Installation	-	500,000	500,000
WW 72	WW Pump	Lift Station No. 105 Rehabilitation - engineering (Packet 2) and construction	64,848	535,000	599,848
WW 73	WW Pump	Lift Station No. 106 Rehabilitation - engineering (Packet 2) and construction	487,029	-	487,029
WW 74	WW Pump	Lift Station No. 113 Rehabilitation	-	500,000	500,000
WW 75	WW Pump	Lift Station No. 140 Rehabilitation - engineering (Packet 1) and construction	241,297	-	241,297
WW 76	WW Pump	Lift Station No. 159 MCC Building Replacement	-	750,000	750,000
WW 77	WW Pump	South to North Wastewater Reroutes - Lift Station No. 4 Force Main	-	1,365,000	1,365,000
WW 78	WW Pump	South to North Wastewater Reroutes - Lift Station No. 20, 22 and 27 Valve Reconfigurations (engineering)	-	312,000	312,000
WW 79	WW Pump	South to North Wastewater Reroutes - Lift Station No. 33 and Force Main Upgrade	-	2,500,000	2,500,000
Total for Dept 3230			4,670,359	22,161,430	26,831,789
DEPARTMENT 3310 - WATER & WASTEWATER ENGINEERING					
WW 91	WW Coll	Estimated miscellaneous carryover project amount	235,797	-	235,797
WW 92	WW Coll	FM 511-802 Colonia Wastewater Improvements Project	68,080	-	68,080
WW 93	WW Coll	Gazelle Street - Paving and Drainage Improvements	162,117	-	162,117
WW 94	WW Coll	Vapor Phase Odor Control Design, Bidding and Construction Services (7 lift stations)	343,932	-	343,932
WW 95	WW Coll	Roosevelt Street Utility Improvements	168,248	-	168,248
WW 96	WW Coll	Boca Chica Median Project	-	-	-
WW 97	WW Coll	Palo Verde Sewer Rehabilitation - construction	227,421	-	227,421
WW 98	WW Coll	Colonia Coronado Wastewater Improvements - in-kind services	297,327	-	297,327
WW 99	WW Coll	North Street Paving and Drainage Improvements	250,000	-	250,000
WW 100	WW Pump	Old Port Isabel Road 20" Force Main Rehabilitation Project	-	2,450,000	2,450,000
WW 101	WW Coll	FM 802 Gravity Sewer Interceptor	-	100,000	100,000

Note:

*Denotes routine projects or projects that reoccur annually. All other non-noted projects are considered non-routine or are a one-time occurrence.

continued

CAPITAL BUDGET SUMMARY

Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued

PROJ. REF.	UTILITY FUNCTION	DESCRIPTION	FISCAL YEAR 2020	FISCAL YEARS 2021 - 2024	FIVE-YEAR TOTAL
WW 102	WW Pump	North Regional Lift Stations and Force Main System - Phase 1	-	2,500,000	2,500,000
WW 103	WW Coll	North Regional Lift Stations and Force Main System - Phase 2	-	2,450,000	2,450,000
Total for Dept 3310			1,752,922	7,500,000	9,252,922
ESTIMATED OVERALL TOTAL - WASTEWATER			\$ 11,623,930	\$ 42,392,755	\$ 54,013,655
ESTIMATED PROJECT TOTAL			20,857,876	74,463,495	95,317,331
ESTIMATED CAPITAL EQUIPMENT TOTAL			-	-	-
COMMERCIAL PAPER FUNDING BUDGET - INTERNAL:			\$ 20,857,876	\$ 74,463,495	\$ 95,317,331
DEPARTMENT 1110 - GENERAL MANAGER					
G 23	Facilities	New Service Center (FM 511)	5,132,435	-	5,132,435
G 24	Facilities	New Annex Administration Building	20,281,000	2,819,000	23,100,000
Total for Dept 1110			25,413,435	2,819,000	28,232,435
COMMERCIAL PAPER FUNDING BUDGETS - FACILITIES			\$ 25,413,435	\$ 2,819,000	\$ 28,232,435
TOTAL					
TOTAL COMMERCIAL PAPER FUNDING BUDGETS:			\$ 46,271,311	\$ 77,282,495	\$ 123,549,766

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CAPITAL BUDGET SUMMARY
Grants Proceeds Projects (Fund 200)

PROJ. REF.	UTILITY FUNCTION	DESCRIPTION	FISCAL YEAR 2020	FISCAL YEARS 2021-2024	FIVE-YEAR TOTAL
WATER PROJECTS					
DEPARTMENT 3310 - WATER & WASTEWATER ENGINEERING					
W 54	Wtr T & D	Installing first-time water service to residents of Torres Road	100,000	-	100,000
Total for Dept 3310			100,000	-	100,000
ESTIMATED PROJECT TOTAL - WATER			\$ 100,000	\$ -	\$ 100,000
WASTEWATER PROJECTS					
DEPARTMENT 3310 - WATER & WASTEWATER ENGINEERING					
WW 104	WW Coll	BECC/NADBANK Home Connections in FM 511/802 Colonias Project Area	-	-	-
Total for Dept 3310			-	-	-
ESTIMATED PROJECT TOTAL - WASTEWATER			\$ -	\$ -	\$ -
OVERALL TOTAL GRANTS BUDGET:			\$ 100,000	\$ -	\$ 100,000

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**Summary Expenditure Report
For All Carryover Projects – FY 2019
Improvement Fund (Fund 400)**

	<u>FY 2019 BEGINNING BALANCE</u>	<u>FY 2019 ENDING BALANCE</u>	<u>DEFERRED BUDGET</u>	<u>APPROVED BUDGET TOTAL</u>
GENERAL & ADMINISTRATIVE	\$ 4,374,803	\$ 1,918,500	\$ 6,818,255	\$ 8,736,755
ELECTRIC (less Gas Pipeline Projects)	8,770,988	5,225,682	3,798,226	9,023,908
WATER (less grant-funded project)	2,441,091	1,784,806	4,421,315	6,206,121
WASTEWATER (less grant-funded projects)	1,992,891	1,584,320	889,507	2,473,827
WATER & WASTEWATER	178,647	146,594	50,000	196,594
CARRYOVER WORK ORDER BUDGET TOTAL	\$ <u>17,758,420</u>	\$ <u>10,659,902</u>	\$ <u>15,977,303</u>	\$ <u>26,637,205</u>
VALLEY CROSSING PIPELINE INTERCONNECT (EG1031)	-	-	-	-
GAS TRANSMISSION LINE (EG3849)	-	-	564,507	564,507
CROSS VALLEY NATURAL GAS PIPELINE (EG3926)	430,945	-	-	-
CARRYOVER GAS PIPELINE PROJECTS TOTAL - LOCAL CONTRIBUTIONS	\$ <u>430,945</u>	\$ <u>-</u>	\$ <u>564,507</u>	\$ <u>564,507</u>
WATER (CDAM)	-	-	-	-
WASTEWATER (SC9265-6, SC9272)	<u>124,636</u>	<u>124,635</u>	<u>75,365</u>	<u>200,000</u>
CARRYOVER GRANT PROJECTS TOTAL - LOCAL CONTRIBUTIONS	\$ <u>124,636</u>	\$ <u>124,635</u>	\$ <u>75,365</u>	\$ <u>200,000</u>
CARRYOVER CAPITAL PROJECT BUDGET TOTAL:				\$ <u>27,401,712</u>
CARRYOVER CAPITAL EQUIPMENT BUDGET TOTAL:				2,193,488
CARRYOVER IMPROVEMENT FUND - FACILITIES BUDGET TOTAL:				1,480,090
APPROVED IMPROVEMENT FUND - CIP FUNDING TOTAL:				\$ <u>31,075,290</u>
APPROVED FY 2020 CAPITAL EQUIPMENT BUDGET TOTAL:				1,251,985
APPROVED FISCAL YEAR 2020 IMPROVEMENT FUNDING:				14,973,235
APPROVED IMPROVEMENT FUND - CIP FUNDING TOTAL:				\$ <u><u>47,300,510</u></u>

Capital Project Listing – FY 2019
For All Carryover General & Administrative Utility Projects
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
10/14/16	80575	GA1016	ADMINISTRATION BUILDING REMODELING DESIGN PHASE	134,605	134,605	-
10/18/17	100735	GA1076	FLEET MANAGEMENT INFORMATION SYSTEM	2,327	-	-
11/02/17	101752	GA1083	FUEL TANK REPLACEMENT PROJECT	-	-	-
03/02/18	109086	GA1099	TOWER REDUNDANT NETWORK REPLACEMENT AT SRWA, SCADA AND POWER PLANT FACILITIES	64,419	64,419	-
05/07/18	112692	GA1109	FAX OVER IP	8,906	8,906	-
03/07/19	130776	GA1197	RESTROOM RENOVATION PROJECT AT THE ADMINISTRATION BUILDING	462,455	462,455	-
03/13/19	131144	GA1203	ENTERPRISE CONTENT AND RECORDS MANAGEMENT SYSTEM (ECRMS) - PILOT PROGRAM	464,290	453,902	225,710
03/06/19	130680	GA1207	SERVER STORAGE	50,000	50,000	-
03/06/19	130723	GA1208	PURE STORAGE EXPANSION	120,000	120,000	-
06/03/19	135806	GA1220	DELL FX CHASSIS AND STORAGE POWER PLANT	80,000	80,000	-
06/03/19	135807	GA1221	OFFSITE HARDWARE - DRIVE EXPANSION	100,000	100,000	-
06/03/19	135808	GA1222	POWER PLANT BACKUP POWER	50,000	50,000	-
08/13/19	140145	GA1224	CAYENTA UPGRADE FROM VERSION 7.722 TO VERSION 9.0.0	325,370	325,370	42,630
08/22/19	140794	GA1227	PHONE SYSTEM BLADES AND STORAGE	-	-	-
09/17/19	142094	GA1229	COGNOS SOFTWARE	40,000	40,000	-
09/17/19	142096	GA1230	CISCO CORE NETWORKING EQUIPMENT AT THE FM 511 SERVICE CENTER	-	-	-
03/25/14	45931	GA3901	MOBILE TIME ENTRY FOR THE MOBILE WORK FORCE	28,946	28,843	-
08/07/14	50320	GA3920	SECURITY CAMERAS FOR ADMINISTRATION BUILDING MAIN LOBBY, CUSTOMER SERVICES LOBBY, DRIVE UP LANES AND IMMEDIATE SURROUNDING AREAS	-	-	-
09/26/19	80540 amended	GA3965	ADMINISTRATION BUILDING ANNEX - DESIGN	880,433	-	2,894,967
09/26/19	68332 amended	GA3966	FM 511 FACILITIES RELOCATION PROJECT - DESIGN/ENGINEERING SERVICES AND LAND PURCHASE - FURNITURE, FIXTURES AND EQUIPMENT	376,445 1,186,607	- -	3,576,227 -
N/A	N/A	N/A	FUELMaster AIM UPGRADES	-	-	-
N/A	N/A	N/A	CHILLER FOR THE ADMINISTRATION BUILDING	-	-	78,721
CARRYOVER GENERAL & ADMINISTRATIVE PROJECT TOTAL				\$ 4,374,803	\$ 1,918,500	\$ 6,818,255

continued

Capital Project Listing – FY 2019
For All Carryover Electric Utility Projects
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
03/29/16	71466	FD2014	1000 CAPTAIN DONALD FOUST RD AT THE PORT OF BROWNSVILLE	114,707	114,707	-
12/06/17	103388	FD2071	2495 BOCA CHICA BLVD	483	483	-
03/02/18	109033	FD2081	1000 CAPTAIN DONALD FOUST RD	389	389	-
08/30/18	119335	FD2100	1555 W ADAMS ST	563	563	-
09/06/18	119838	FD2135	25 N CENTRAL AVENUE CENTRAL AVENUE PARK	12,747	-	-
09/05/18	119690	FD2136	1207 S CENTRAL AVENUE MORNINGSIDE PARK	10,241	526	-
02/04/19	128908	FD2137	314 W LOS EBANOS BLVD JAMES PACE HIGH SCHOOL	1,357	-	-
04/24/19	133675	FD2150	250W HPS FLOOD LIGHT REPLACEMENTS - PHASE 1 THROUGHOUT CITY OF BROWNSVILLE	7,321	-	-
03/25/19	131791	FD2151	JOE GARZA SR ROAD FOR BRG RAILROAD	4,234	-	-
04/15/19	133084	FD2152	209 E MADISON ST	686	-	-
06/10/19	136309	FD2155	1024 MCDAVITT BLVD	2,198	-	-
06/28/19	137515	FD2156	1101 R.L. OSTOS RD	1,370	-	-
07/30/19	139328	FD2158	1316 MORNINGSIDE RD	1,889	756	-
08/01/19	139555	FD2159	294 CALLE MILPA VERDE "B" REAR	596	419	-
08/02/19	139582	FD2160	313 VIKING LN	596	419	-
09/21/18	120678	FD2161	2550 RUIZ STREET RUIZ PARK	11,387	-	-
08/21/19	140650	FD2162	6244 PADRE ISLAND HWY	1,237	589	-
08/21/19	140644	FD2163	2750 CENTRAL BLVD	1,237	1,237	-
08/21/19	140648	FD2164	2901 CENTRAL BLVD	685	51	-
08/22/19	140777	FD2165	REPLACE 8 EACH 250W FLOOD LIGHTS WITH 400W EQUIVALENT LED LIGHTS THROUGHOUT THE CITY	4,764	4,764	-
08/27/19	141005	FD2166	SRWA WATERWELLS NO. 9, 10 AND 17	4,507	1,485	-
09/17/19	142070	FD2167	KENSINGTON LN AND MARTINAL RD	680	680	-

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Capital Project Listing – FY 2019
For All Carryover Electric Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
N/A	N/A	N/A	FY 2019 SECURITY LIGHT BUDGET ALLOCATION BALANCE	-	-	39,212
CARRYOVER SECURITY LIGHT PROJECT TOTAL				\$ <u>183,872</u>	\$ <u>127,068</u>	\$ <u>39,212</u>
09/07/16	78526 amended	EA1007	WATERPORT SUBSTATION FENCE PROJECT	-	-	-
08/01/17	96449	EA1064	SCADA REMOTE TERMINAL UNIT SYSTEM UPGRADE/REPLACEMENTS FOR ALL SUBSTATIONS	627,585	341,100	-
05/25/17	92902	EA1075	LOMA ALTA SUBSTATION - MARTINAL WATER	95,625	-	-
05/11/18	112950		TANK - NORTH WASTEWATER TREATMENT PLANT - FM 802 FIBER OPTIC PROJECT			
08/15/19	140285	EA3965	UNDERGROUND FIBER OPTIC - TEMPORARY CONNECTION FROM ADMINISTRATION TO SCADA BUILDING	11,426	5,474	-
02/14/18	108063	EA3966	FM 511 SERVICE CENTER YARD CENTER FIBER OPTIC DESIGN AND INSTALLATION	86,986	52,598	-
12/15/17	104275	GA1090	ASSET MANAGEMENT STRATEGIC PLAN ANALYSIS	141,633	150,000	-
CARRYOVER ADMINISTRATION CONSTRUCTION PROJECT TOTAL:				\$ <u>963,255</u>	\$ <u>549,172</u>	\$ <u>-</u>
07/15/16	76504	ED1006	1000 CAPTAIN DONALD FOUST RD OH TO URD CONVERSION	86,237	16,344	-
09/29/16	79963	ED1017	BROWNSVILLE COUNTRY CLUB ELECTRIC CABLE/CONDUIT INSTALLATION	35,999	-	-
12/15/15	67322	ED1024	20000 STATE HWY 48 AMFELS OH TO URD CONVERSION	191,488	191,488	-
12/22/17	82109 amended	ED1035	FEEDER UTILITY POLE REPLACEMENT OFF OF BOCA CHICA AND OTHER LOCATIONS THROUGHOUT THE CITY OF BROWNSVILLE	49,909	49,909	-
03/06/17	88924	ED1046	100 E ALTON GLOOR BLVD TRANSFER SWITCH AT VRMC	544	544	-
08/16/17	97217	ED1067	POLE REPLACEMENTS OFF OF PARRAL ST WOOD AVE AND W BROADWAY ST	13,861	13,861	-
08/16/17	97220	ED1069	POLE REPLACEMENTS AT POWER PLANT FEEDER OFF OF W LEVEE ST, E 2ND STREET & E 14TH STREET	16,672	16,672	-

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Capital Project Listing – FY 2019
For All Carryover Electric Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
11/02/17	101726	ED1084	W ALTON GLOOR BLVD AND MILITARY HWY RECLOSER REPLACEMENT	-	-	-
10/12/17	100335	ED1089	PALM GARDENS SUBDIVISION UNDERGROUND CONDUIT REPLACEMENT	-	-	-
08/30/18	112598 amended	ED1111	1255 FM 511 SRWA GENERATOR NO. 2	61,267	9,808	-
03/06/18	109298	ED1122	AUTOMATIC TRANSFER SWITCH INSTALLATION WITH ALTERNATE FEED AT ROBINDALE WWTP	87,338	-	-
02/22/18	108545	ED1123	915 S CENTRAL AVENUE NEW FEEDER TO TRICO	254,929	254,929	-
09/18/18	120433	ED1127	RELAY AND OTHER UPGRADES AT PRICE RD, WATERPORT AND LOMA ALTA SUBSTATIONS TO ACCOMMODATE THE SHARYLAND UTILITIES SWITCHING STATION	144,329	127,147	-
09/20/18	120595	ED1130	E RUBEN M TORRES BLVD AND S SAN MARCELO BLVD - BCC RECLOSERS	34,317	12,214	-
10/03/18	121460	ED1134	2850 E PRICE RD	1,707	957	-
09/28/18	121148	ED1158	1797 COOLIDGE ST LIFT STATION NO. 9	7,624	5,842	-
09/28/18	121155	ED1159	190 MILITARY HWY LIFT STATION NO. 28	2,867	-	-
08/29/17	97908	ED1193	700 AMELIA EARHART DR OVERHEAD TO UNDERGROUND CONVERSION AT NEW AIRPORT TERMINAL	100,119	10,391	-
03/06/19	130685	ED1194	700 AMELIA EARHART DR TEMPORARY SERVICE	3,059	657	-
03/13/19	131089	ED1198	1164 BOCA CHICA BLVD TXDOT SIDEWALK PROJECT	2,049	-	-
01/14/19	127476	ED1204	SH 48 POLES REPLACEMENT BETWEEN PAREDES LINE ROAD AND SECURITY DRIVE	82,266	82,266	-
03/27/19	131947	ED1205	PORT OF BROWNSVILLE CROSS ARMS REPLACEMENT ALONG RL OSTOS & CAPT DONALD FOUST RD	70,718	68,370	-
03/28/19	132031	ED1206	4255 OLD HIGHWAY 77	541	541	-
09/28/18	121154	ED1214	2511 N VERMILLION AVE LIFT STATION NO. 81	903	903	-

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Capital Project Listing – FY 2019
For All Carryover Electric Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
06/20/19	136781	ED1216	BELDEN TRAIL HPS TO LED SECURITY AND ALLEY LIGHT CONVERSION	8,700	2,205	-
07/02/19	137665	ED1217	BROWNSVILLE HISTORIC BATTLEFIELD TRAIL HPS TO LED SECURITY LIGHT CONVERSION	27,334	7,058	-
07/30/19	139356	ED1223	1650 RUBEN M TORRES BLVD URD PRIMARY TO FM 802 SUBSTATION	18,207	18,207	-
06/04/19	135877	ED1225	UNDERGROUND 3-PHASE PRIMARY (FEEDER RELOCATION AND CONVERSION) FOR THE BROWNSVILLE S.P.I. INTERNATIONAL AIRPORT ON SOUTH IOWA STREET BETWEEN LES MAULDIN ROAD AND BOCA CHICA BLVD	356,654	-	356,654
09/19/18	120533	ED1228	PORT CONNECTION PROJECT - OVERHEAD TO UNDERGROUND CONVERSION OFF OF R.L. OSTOS ROAD	61,780	9,910	-
01/27/09	20748	ED3622	HWY 281 PRIMARY LINE EXTENSION FROM ALTON GLOOR TO CARMEN AVE FOR HIGH SCHOOL #6	-	-	-
05/31/12	32058	ED3822	UNIVERSITY DRIVE LIGHT POLES	134,064	134,064	-
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	-
07/01/14	49093	ED3914	GUARD SHACK FIBER OPTIC EXTENSION AT POWER PLANT AND OFF OF ROBERTO VARGAS DR	3,412	3,412	-
04/28/14	47025	ED3931	NEW FEEDER FROM FM 802 SUBSTATION OFF OF S SAN MARCELO AND RUBEN M TORRES BLVD	133,745	133,745	-
07/09/14	49323	ED3932	FM 3248 & NORTH FRONTAGE RD (TXDOT)	-	-	-
02/12/15	57379	ED3958	LAND O'LAKES SUBDIVISION UNDERGROUND PRIMARY REPLACEMENT	14,021	3,649	-
03/08/18	109416	ED3966	FM 511 SERVICE CENTER YARD CENTER ELECTRIC UNDERGROUND DESIGN AND INSTALLATION	25,023	-	-
07/12/18	116405	ED3966	TEMPORARY SERVICE FOR NEW SERVICE CENTER ON OLD ALICE RD AND FM 511			

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Capital Project Listing – FY 2019
For All Carryover Electric Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
08/14/19	132620 amended	FD3966	ALTERNATE FEED CIRCUIT FOR THE SERVICE CENTER	142,999	47,276	-
N/A	N/A	N/A	ELECTRIC UTILITY IMPROVEMENTS FOR THE AIRPORT PASSENGER TERMINAL EXPANSION PROJECT, BOARD-APPROVED ON 11/13/17	-	-	743,346
N/A	N/A	N/A	FY 2019 DISTRIBUTION CONSTRUCTION PROJECT BUDGET ALLOCATION BALANCE	-	11,364	-
CARRYOVER DISTRIBUTION CONSTRUCTION PROJECT TOTAL:				\$ 2,310,903	\$ 1,369,950	\$ 1,100,000
01/23/17	86555	EG1031	VALLEY CROSSING PIPELINE INTERCONNECT	-	-	-
08/04/17	96620	EG1068	UNIT 10 COOLING TOWER REPLACEMENT	-	-	784,839
08/04/17	96616	EG1082	UNIT 6 GENERATOR STEP-UP TRANSFORMER AT 94 POWER PLANT DR	190,205	-	-
09/27/19	112753 amended	EG1171	DISTRIBUTED GENERATORS AT SRWA WATER WELLS SITE ON FM 1421	348,376	97,616	-
05/15/19	134309 amended	EG1209	BATTERY CHARGER REPLACEMENT AT THE SILAS RAY POWER PLANT	78,584	78,584	-
N/A	N/A	EG3047	OKLAUNION CAPITAL IMPROVEMENTS	1,181,163	1,065,897	-
N/A	N/A	EG3158	HIDALGO POWER PLANT IMPROVEMENTS	500,000	354,755	-
03/16/15	35342 amended	EG3849	GAS TRANSMISSION LINE TO TENASKA BROWNSVILLE GENERATING STATION	-	-	564,507
09/26/14	44869	EG3926	CROSS VALLEY NATURAL GAS PIPELINE	430,945	-	-
02/13/18	104663	UNIT10	ROTABLE G48 RAD-RAD COMBUSTOR EXCHANGE AND VARIABLE INLET GUIDE VANE UPGRADE FOR UNIT 10	-	-	-
N/A	N/A	N/A	UNIT 6/9 PROTECTIVE RELAY SYSTEM UPGRADE	-	-	100,000
N/A	N/A	N/A	UNIT 6/9 GSU PROJECT	-	-	605,412
N/A	N/A	N/A	GAS COMPRESSOR 9 A,B PLC REPLACEMENT	-	-	239,857
CARRYOVER GENERATION CONSTRUCTION PROJECT TOTAL:				\$ 2,729,273	\$ 1,596,852	\$ 2,294,615

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Capital Project Listing – FY 2019
For All Carryover Electric Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
06/29/18	77785 amended	ET1058	POWER PLANT 138 KV DISTRIBUTION SUBSTATION CONVERSION FROM 69 KV	-	-	635,531
06/28/18	103941 amended	ET1092	138 KV CIRCUIT BREAKER REPLACEMENT AT MILITARY, WATERPORT AND FM 802 SUBSTATIONS	149,791	-	193,028
12/12/18	125822	ET1169	BATTERY BANK REPLACEMENT AT FM 802 SUBSTATION	29,150	11,590	-
04/12/19	123727 amended	ET1170	TRANSMISSION LINE RE-ROUTE FOR SHARYLAND UTILITY'S STILLMAN STATION	310,245	309,845	-
02/13/19	129427	ET1199	POWER TRANSFORMER FOR MILITARY SUBSTATION	-	-	2,559
05/31/19	135753	ET1210	DYNAMIC DISTURBANCE RECORDER EQUIPMENT FOR THE PRICE ROAD SUBSTATION	49,678	49,678	-
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	-
CARRYOVER TRANSMISSION CONSTRUCTION PROJECT TOTAL:				\$ 550,957	\$ 383,205	\$ 831,118
CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ 6,554,388	\$ 3,899,180	\$ 4,225,733
N/A	N/A	ED9001	NEW CONNECTIONS - ELECTRIC	213,579	4,403	-
03/27/12	31421	FD4186	ITECC WIND PROJECT	918	918	-
03/25/14	45897	FD4326	5101 ALTON GLOOR BLVD PLAZA VISTA	937	937	-
09/24/14	51945	FD4352	929 MEXICO BLVD - CAR LOT	-	-	-
12/10/14	54889	FD4362	3595 RUBEN M TORRES BLVD	626	626	-
02/12/15	57409	FD4381	1704 COFFEE ROAD	-	-	-
06/12/15	61733	FD4400	2719 BOCA CHICA BLVD	1,798	1,798	-
07/23/15	63291	FD4405	21301 R.L. OSTOS FORTUNE FERROUS INC	-	-	-
08/11/15	63803	FD4420	1655 E RUBEN M TORRES BLVD	-	-	-
09/18/15	65208	FD4422	44 WESTERN BLVD	1,892	1,892	-
09/29/15	65527	FD4428	1401 YARD ROAD	4,773	4,773	-

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Capital Project Listing – FY 2019
For All Carryover Electric Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
11/04/15	66504	FD4434	2436 PABLO KISEL BLVD STAPLES	1,611	1,611	-
10/16/15	65933	FD4440	DOCK 15 OFF OF R.L. OSTOS RD	2,960	2,960	-
01/13/16	68084	FD4443	8155 PADRE ISLAND HWY	842	842	-
04/29/16	72396 amended	FD4466	1910 ANEI CIRCLE	-	-	-
09/26/16	78346 amended	FD4491	1910 ANEI CIRCLE	-	-	-
06/14/16	75206	FD4494	747 SPRINGMART BLVD	-	-	-
11/09/16	82280	FD4496	2400 BOCA CHICA BLVD	1,266	1,266	-
02/22/17	87475	FD4516	445 PALO VERDE DR	2,221	2,221	-
03/10/17	89230	FD4524	2406 THOR'S HAMMER BLVD	1,202	1,202	-
08/15/17	97109	FD4550	4124 LAKEVIEW DR	2,719	2,719	-
08/04/17	96578	FD4551	4216 JAIME J ZAPATA AVE	3,865	3,865	-
09/01/17	98100	FD4555	111 FLEETWOOD DRIVE	1,014	1,014	-
03/08/18	97423 amended	FD4556	222 EXPRESSWAY 77 NORTH FRONTAGE RD	287	287	-
11/17/17	102564	FD4567	1455 SOUTHMOST BLVD JUAN'S SEAFOOD	2,075	2,075	-
12/18/17	104444	FD4568	2701 E TYLER ST	208	208	-
04/11/18	103683 amended	FD4570	10 PROVIDENCIA CT	3,172	3,172	-
01/05/18	105341	FD4572	1115 PROFESSIONAL DR	4,564	4,564	-
07/31/17	96334	FD4577	2706 N CORIA ST LITTLE MOZART'S ACADEMY	294	294	-
05/31/17	93117	FD4583	UNIVERSITY BLVD UNDERGROUND 3-PH PRIMARY	218,612	218,612	-
03/26/18	110479	FD4591	11700 OLD STATE HIGHWAY 48 BLUEWING (ONE CYPRESS TERMINALS)	28,913	-	-
04/11/18	111130	FD4593	1115 S CENTRAL AVENUE	2,059	2,059	-

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Capital Project Listing – FY 2019
For All Carryover Electric Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
05/21/18	113326	FD4601	1325 PALM BLVD	-	-	-
06/20/18	115024	FD4605	567 W JEFFERSON ST TRINITY TOWNHOMES	3,224	3,224	-
07/05/18	115976	FD4607	750 N ANCHOR RD - GUARD SHACK	4,857	1,102	-
02/23/18	108581	FD4608	4375 MARTINAL RD	443	443	-
08/13/18	118326	FD4615	120 MARIAN PL	-	-	-
02/12/18	107886	FD4616	835 N EXPRESSWAY	-	-	-
09/04/18	119612	FD4619	4375 PAREDES LINE ROAD HUNTINGTON APARTMENTS	4,786	4,786	-
06/14/18	114840	FD4621	7092 OLD ALICE RD CAMERON COUNTY PUBLIC WORKS	-	-	-
09/07/18	119917	FD4623	3300 NAFTA PARKWAY, SUITE C	7,860	189	-
09/26/18	120991	FD4624	W ALTON GLOOR BLVD AND LOS PINOS	2,973	-	-
10/12/18	121985	FD4627	17000 R.L. OSTOS RD - AMSPEC	10,266	902	-
10/16/18	122275	FD4628	2647 N EXPRESSWAY CHARLIE CLARK SELECT PRE-OWNED	10,467	786	-
10/29/18	123389	FD4629	39 SOTO DRIVE	1,346	1,346	-
05/04/18	112580	FD4631	4211 LAS PALMAS CIR	6,235	-	-
10/04/18	121480	FD4632	1001 E ELIZABETH ST DOWNTOWN SURVEILLANCE CAMERAS	3,307	790	-
03/23/18	110400	FD4633	434 BOCA CHICA BLVD	1,514	-	-
05/13/19	119255 amended	FD4634	305 W 16TH STREET	2,876	-	-
01/10/19	127250	FD4639	7856 PALMA DE MICHAROS DR	2,552	1,169	-
10/30/18	123493	FD4640	47 WATERFRONT DR	9,582	-	-
11/27/18 07/08/19	124858 137871	FD4641	1625 W PRICE RD - PLAZA	5,604	776	-
12/26/18	126430	FD4642	574 BILLY MITCHELL	3,344	-	-
07/13/18	116505	FD4643	2435 N EXPRESSWAY 77/83 FREDDY'S FROZEN CUSTARD	15,644	-	-

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Capital Project Listing – FY 2019
For All Carryover Electric Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
01/24/19	128160	FD4644	635 FRUITDALE RD	3,438	-	-
01/03/19	126817	FD4645	500 E MORRISON RD	13,609	-	-
01/16/19	127600	FD4646	4300 R L OSTOS RD	4,677	-	-
10/19/18	122550	FD4647	3400 NAFTA PARKWAY LOVE'S TRAVEL STOP	21,621	-	-
12/28/18	126706	FD4648	3819 N EXPRESSWAY 77	15,716	-	-
01/31/19	128680	FD4649	31 SYBIL DR	821	-	-
01/31/19	128667	FD4651	780 CENTRAL BLVD	10,210	-	-
02/04/19	128922	FD4652	649 COFFEE RD	2,029	662	-
02/27/19	130358	FD4653	245 W SAINT CHARLES ST	489	-	-
11/05/18	123872	FD4655	4960 N EXPRESSWAY LITTLE PRINTS DAYCARE	6,631	-	-
12/11/18	125731	FD4656	2730 ANGLERS PLACE RD	6,840	-	-
03/13/19	131104	FD4657	3424 GARDENIA ST	1,689	467	-
03/11/19	130909	FD4658	2647 N EXPRESSWAY	1,578	367	-
03/26/19	131893	FD4659	2000 MINERAL LOOP	8,874	2,314	-
03/27/19	131945	FD4660	2360 EXPRESSWAY 77	1,856	557	-
02/08/19	129168	FD4663	1215 CENTRAL BLVD DOLLAR TREE	9,413	2,713	-
05/22/19	135162	FD4664	335 PALM BLVD	2,491	-	-
07/19/18	116860	FD4665	205 WILDROSE LN WILDROSE APARTMENTS	21,628	2,494	-
03/20/19	131573	FD4666	5236 KENSINGTON LN	8,554	8,554	-
05/02/18	112492	FD4667	2305 SOUTHMOST BLVD	6,304	846	-
06/03/19	135809	FD4668	5001 STAGECOACH TRAIL PLAZA BAMBOO II	9,689	1,470	-
06/05/19	136036	FD4669	3801 INTERNATIONAL BLVD TACO BELL	12,242	-	-

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Capital Project Listing – FY 2019
For All Carryover Electric Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
06/21/19	136872	FD4670	33 BOCA CHICA BLVD	1,807	1,807	-
06/05/19	136028	FD4671	1400 PALM BLVD	9,699	-	-
05/16/19	134811	FD4672	2948 BOCA CHICA BLVD	897	448	-
06/10/19	136312	FD4673	2940 BOCA CHICA BLVD THRIFT SHOP	1,155	237	-
07/29/19	139270	FD4674	2454 EAST POLK STREET	2,270	1,317	-
08/12/19	140089	FD4675	1759 E PRICE RD	4,635	-	-
07/09/19	137933	FD4676	902 CHEMICAL RD - MCC2	28,229	28,229	-
08/15/19	140264	FD4677	2644 OLD PORT ISABEL RD	2,382	272	-
08/14/19	140221	FD4678	11600 E OIL DOCK RD OIL DOCK NO. 6	882	390	-
06/04/19	135927	FD4679	1505 N CENTRAL AVE	17,405	1,811	-
08/12/19	140098	FD4680	3204 MCALLEN RD	10,095	-	-
08/22/19	140785	FD4681	4386 WACO RD	7,259	7,259	-
08/28/19	141073	FD4682	902 CHEMICAL RD TRANSMONTAIGNE - MCC2	52,190	9,145	-
09/04/19	141392	FD4683	25 BOCA CHICA BLVD	5,119	-	-
09/11/19	141751	FD4684	7200 CAPTAIN DONALD FOUST RD POB JET DOCK	8,136	-	-
08/21/19	140645	FD4685	940 W RUBEN M TORRES BLVD NEW PLAZA	47,301	-	-
07/22/19	138708	FD4686	2912 BOCA CHICA BLVD DALE SHINE CAR WASH	10,139	-	-
09/19/19	142299	FD4687	10451 OLD STATE HIGHWAY 48 BLUEWING PHASE II	27,886	-	-
CARRYOVER NEW CONNECTION PROJECT TOTAL				\$ 1,007,171	\$ 351,191	\$ -
03/16/16	70844	ED5402	3777 N EXPRESSWAY 77/83 LAS PALMAS DEVELOPMENT	76,950	76,950	-
11/16/16	82642	ED5417	LAGO BELLO SUBDIVISION OFF OF EXPRESSWAY 77 NORTH FRONTAGE RD	70,599	70,599	-

continued

Capital Project Listing – FY 2019
For All Carryover Electric Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
11/14/17	102345	ED5419	QUEENSLAND SUBDIVISION SECTION I OFF OF STAGECOACH TRAIL	5,996	-	-
03/20/18	110098	ED5424	SUNLIGHT SUBDIVISION OFF OF FM 511	58,866	-	-
05/09/18	112812	ED5427	LA CANTERA LEGACY APARTMENTS PHASE 1 950 W RUBEN M TORRES BLVD	48,533	6,820	-
07/19/18	116825	ED5428	THE OAKS SUBDIVISION OFF OF MERCEDES ROAD	154,382	54,636	-
10/09/18	121753	ED5429	4375 PAREDES LINE ROAD HUNTINGTON & CATALON APARTMENTS	153,019	19,134	-
02/20/19	129765	ED5430	WESTLAKE ESTATES SECTION III OFF OF WESTLAKE AVENUE	127,708	2,163	-
04/26/19	133788	ED5431	ROSEWOOD ESTATES SECTION I OFF OF FM 1732 AND SUMMER HILL BLVD	161,958	161,958	-
01/07/19	127040	ED5432	QUEENSLAND SUBDIVISION SECTION 2	83,673	17,535	-
05/10/19	134535	ED5433	CROSS COUNTRY TRAILS SECTION VIII	54,869	7,122	-
07/30/19	139334	ED5434	LAGO VISTA PHASE VI, SECTION II SUBDIVISION OFF OF LAGO VISTA BLVD AND RAIN FOREST DR	46,596	46,596	-
N/A	N/A	N/A	FY 2019 SUBDIVISION PROJECT BUDGET ALLOCATION BALANCE	-	142,002	-
CARRYOVER SUBDIVISION PROJECT TOTAL				\$ 1,043,149	\$ 605,514	\$ -
01/23/15	56368	ED7654	HUDSON BLVD - WALMART	967	967	-
01/28/15	56501	ED7659	PORT OF BROWNSVILLE LIGHTING PROJECT ON CAPTAIN DONALD FOUST ROAD, MILO ROAD, WINDHAUS ROAD, RL OSTOS ROAD, LIQUID CARGO DOCK ROAD AND OLD SH 48	-	-	-
10/11/17	100294	ED7747	700 AMELIA EARHART DR ON TEOFILO CRIXELL ST BYPASS TO S MINNESOTA AVE	28,669	28,669	-
02/22/19	129891	ED7768	WEST FM 802 BLVD FROM EXPRESSWAY 77-83 TO MILITARY HIGHWAY 77	17,604	2,941	-
04/12/19	132927	ED7771	ALTON GLOOR BLVD PHASE 3 - HPS TO LED STREET LIGHT CONVERSION FROM MADRID AVE TO LAKEWAY DRIVE	6,425	3,954	-
01/14/19	127473	ED7773	622 E SAINT CHARLES STREET	671	-	-

continued

Capital Project Listing – FY 2019
For All Carryover Electric Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
12/20/18	126266	ED7774	543 E 11TH STREET ALLEY BEHIND STEGMAN BUILDING	808	-	-
07/09/19	137959	ED7775	ALTON GLOOR BLVD PHASE 4 - HPS TO LED STREET LIGHT CONVERSION FROM W TANDY RD TO EXPRESSWAY 77/83	7,847	7,847	-
04/08/19	132543	ED7776	6135 BOWIE DR (ALLEY)	1,272	43	-
04/10/19	132800	ED7777	1832 DAN ST	995	194	-
04/09/19	132643	ED7778	1258 QUAIL HOLLOW DR	2,696	2,696	-
08/22/19	140736	ED7779	REPLACE 9 EACH 400W HPS STREET LIGHTS WITH 250W EQUIVALENT LED STREET LIGHTS THROUGHOUT NORTHEAST BROWNSVILLE	3,482	3,482	-
09/12/19	141861	ED7780	1713 GREENBRIAR AVENUE RELOCATION AND REPLACEMENT DUE TO ROAD EXPANSION	3,952	2,827	-
N/A	N/A	N/A	FY 2019 STREET LIGHT BUDGET ALLOCATION BALANCE	-	-	97,788
CARRYOVER STREET LIGHT PROJECT TOTAL				\$ 75,387	\$ 53,619	\$ 97,788
N/A	N/A	ED6000	EMERGENCY TROUBLE CALL Activity for use when work order is not available at time of emergency.	1,254,000	25,600	-
01/23/13	34986	FD6412	5304 FM 802	-	-	-
03/27/13	36267	FD6443	183 E COWAN TERRACE	2,121	2,121	-
07/17/14	49620	FD6514	POLE CHANGED OUTS - RELEASE 77 AT THE PORT OF BROWNSVILLE ON R.L. OSTOS RD	8,568	8,568	-
03/24/14	45869	FD6525	101 BOXCAR RD	5,281	5,281	-
02/12/15	57380	FD6529	1455 ROBINHOOD DR	1,612	1,612	-
01/29/15	56612	FD6553	6280 SOUTHMOST BLVD AIKEN ELEMENTARY SCHOOL	2,964	2,964	-
05/09/16	73666	FD6581	2865 SOUTHMOST BLVD	365	365	-
03/28/16	71353	FD6583	1401 YARD ROAD	5,455	5,455	-
06/07/16	74904	FD6588	9155 RL OSTOS RD	3,010	3,010	-
10/24/16	81331	FD6603	1104 BOCA CHICA BLVD	1,702	1,702	-

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Capital Project Listing – FY 2019
For All Carryover Electric Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
01/20/17	81990 amended	FD6605	20000 STATE HIGHWAY 48 OFF OF MARINE WAY RD - AMFELS INC	5,252	5,252	-
02/01/17	87174	FD6629	33 SUNSET DR	-	-	-
06/13/17	93787	FD6631	433 CHAMPION DR	2,081	2,081	-
06/27/17	94607	FD6637	1214 PALM BLVD	-	-	-
11/22/16	82952	FD6640	1025 WILDROSE LN LOS CEDROS APARTMENTS	11,559	11,363	-
09/11/17	98431	FD6649	MILITARY HWY - POLES BETWEEN W ALTON GLOOR BLVD AND W RUBEN TORRES BLVD	18,907	18,907	-
10/20/17	99736 amended	FD6653	2800 ROCKWELL DR ST LUKE CATHOLIC CHURCH	-	-	-
11/02/17	101720	FD6655	233 SAN EUGENIO	1,731	1,731	-
10/26/17	101280	FD6659	1000 CAPTAIN DONALD FOUST RD PORT OF BROWNSVILLE ADMINISTRATION BUILDING	-	-	-
02/26/18	108617	FD6669	222 N EXPRESSWAY 77	1,066	1,066	-
04/12/18	111204	FD6674	10150 OLD STATE HIGHWAY 48	4,965	4,965	-
06/21/18	115103	FD6686	1704 WILSON ST	918	58	-
09/26/18	120980	FD6695	2615 E PRICE RD HANNA HIGH SCHOOL	8,503	7,398	-
10/10/18	121786	FD6697	902 CHEMICAL ROAD TRANSMONTAIGNE DIAMONDBACK TERMINAL	22,676	-	-
12/13/18	125866	FD6700	513 COUNTRY CLUB RD	631	631	-
12/19/18	126193	FD6701	700 AMELIA EARHART DR	3,558	540	-
01/03/19	126852	FD6702	2341 E LOS EBANOS BLVD LIFT STATION NO. 41 PRIMARY RE-ROUTE	11,308	-	-
11/06/18	123947	FD6704	9000 RUBEN M TORRES BLVD SERVICE POLE AT CITY LANDFILL	2,150	-	-
02/21/19	129798	FD6705	214 ALAMO ST	2,692	-	-
02/20/19	129698	FD6706	406 E MADISON ST	1,355	348	-
04/26/19	130378 amended	FD6707	9000 RUBEN M TORRES BLVD	6,341	202	-

continued

Capital Project Listing – FY 2019
For All Carryover Electric Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
03/21/19	131661	FD6708	5236 PADRE ISLAND HWY	1,918	-	-
03/22/19	131686	FD6709	4940 EXPRESSWAY 77 NORTH FRONTAGE RD	1,081	1,081	-
03/18/19	131347	FD6710	3903 MAGALI CIRCLE	1,805	431	-
03/08/19	130868	FD6711	720 E FRONTON ST	530	530	-
05/17/19	132735 amended	FD6712	1601 E PRICE RD	1,504	25	-
04/22/19	128215 amended	FD6713	3500 INTERNATIONAL BLVD PORTER HIGH SCHOOL FINE ARTS BUILDING	18,160	562	-
04/15/19	133096	FD6714	2100 W SAN MARCELO BLVD VISTA VERDE CONDOMINIUMS	1,131	828	-
04/23/19	133617	FD6715	N CENTRAL AVENUE	3,173	1,500	-
07/24/19	133549 amended	FD6716	1228 ARTHUR ST	1,489	-	-
04/23/19	133639	FD6717	165 JO ANN LN	1,847	657	-
04/29/19	133898	FD6718	EAST MORRISON RD	738	-	-
02/20/19	129696	FD6719	1800 CUMMINGS PL BROWNSVILLE LEARNING ACADEMY HIGH SCHOOL	16,007	-	-
05/08/19	134366	FD6720	5953 LOURDES BLVD	3,397	-	-
05/21/19	135056	FD6721	722 E 12TH STREET	6,058	-	-
05/08/19	134370	FD6722	1030 EAST FRONTON ST	3,610	-	-
06/21/19	136882	FD6723	328 LORENALY	10,092	9,988	-
06/21/19	136880	FD6724	1 DEAN PORTER PARK DR GLADYS PORTER ZOO	33,604	33,604	-
06/12/19	136459	FD6725	2921 BOCA CHICA BLVD	4,027	-	-
06/26/19	136186	FD6726	15801 R.L. OSTOS RD	53	-	-
06/24/19	137062	FD6727	635 AMELIA EARHART DR	15,227	-	-
07/24/19	138863	FD6728	205 THOMAS ST	1,449	651	-

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Capital Project Listing – FY 2019
For All Carryover Electric Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
07/23/19	138793	FD6729	KYZ PULSE METERS FOR CUMMINGS AND OLIVEIRA MIDDLE SCHOOL AND PACE HIGH SCHOOL	1,287	558	-
08/06/19	139751	FD6730	274 SAGUA LA GRANDE AVE	3,297	-	-
07/25/19	139068	FD6731	902 CHEMICAL ROAD INSTALL 2500KVA UNDERGROUND TRANSFORMER	57,915	53,074	-
05/02/19	134113	FD6732	1055 MILITARY HWY	3,143	-	-
09/11/19	141812	FD6733	2954 TULIPAN ST	3,215	-	-
08/27/19	141053	FD6734	2977 WEST TANDY RD STILLMAN MIDDLE SCHOOL	610	-	-
09/19/19	142307	FD6735	30 EBONY AVE	1,641	-	-
08/27/19	140990	FD6736	3300 E 14TH STREET	904	-	-
06/21/18	N/A	FL0618	EXPENDITURES FROM FLOOD OF JUNE 20-21, 2018	-	-	-
10/30/15	N/A	WN0119	WIND STORM OF JANUARY, 2019	2,282	-	-
CARRYOVER TROUBLE CALL PROJECT TOTAL				\$ <u>337,967</u>	\$ <u>189,110</u>	\$ <u>-</u>
OVERALL CARRYOVER ELECTRIC UTILITY PROJECT TOTAL				\$ <u>9,201,933</u>	\$ <u>5,225,681</u>	\$ <u>4,362,733</u>

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**Capital Project Listing – FY 2019
For All Carryover Water Utility Projects
Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
N/A	N/A	CDAM	CHANNEL DAM	-	-	-
06/23/17	76659 amended	WS1004	WELL FIELD MONITORING PROJECT	-	-	-
08/16/19	79851 amended	WT1015	CAUSTIC SODA FEED IMPROVEMENTS AT WATER PLANT NO. 2	425,055	14,461	283,047
10/15/18	81897 amended	WD1021	WATER DISTRIBUTION SYSTEM VALVE REPLACEMENT PROJECT	17,417	17,207	-
08/09/19	83301 amended	WD1025	2.0 MG ELEVATED STORAGE TANK DESIGN PHASE	-	-	3,800,000
01/09/17	85681	WA1037	SEDIMENTATION BASIN LIGHTING REPLACEMENT AT WATER PLANT II	76,111	76,111	-
08/21/17	97493	WT1070	CAUSTIC STORAGE TANK AND CHEMICAL PLUMBING FOR WATER PLANT I	77,324	65,964	-
07/12/19	97527 amended	WT1071	HIGH SERVICE PUMP STATION NO. 5 REPLACEMENT FOR WATER PLANT I - ENGINEERING PHASE	88,184	27,724	-
07/12/18	100741 amended	WD1077	MAG METER ON 24" DISTRIBUTION LINE DESIGN PHASE	-	-	-
12/14/17	104166	WD1086	BROWNSVILLE SOUTH PADRE ISLAND INTERNATIONAL AIRPORT EDA CARGO FACILITY DEVELOPER INSTALLED IMPROVEMENTS	2,625	2,625	-
07/10/18	104662 amended	WT1087	CHLORINE DIOXIDE FEED SYSTEM DESIGN AND IMPLEMENTATION DISTRIBUTION SYSTEM WATER QUALITY STUDY	-	-	-
02/01/18	107225	WD1093	FM 802 WATER MAIN LOOP ON FM 802 BETWEEN COFFEEPORT RD AND WOODSTONE DR; ENGINEERING PHASE	13,083	8,905	-
02/01/18	107226	WD1094	WEST 5TH STREET WATER MAIN LOOP OFF OF W FRONTON ST, W 5TH ST AND RAILROAD TRACKS; ENGINEERING PHASE	15,939	15,672	-
02/14/18	108058	WT1096	CAUSTIC SODA BULK TANK FOR WATER PLANT I	36,172	-	-
03/01/18	108926	WD1102	6-INCH WATER LINE EXTENSION FOR WATER PLANT 2	100,000	54,076	-
03/26/18	110515	WS1113	VARIABLE FREQUENCY DRIVE REPLACEMENT AT WELL NO. 11	-	-	-

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Capital Project Listing – FY 2019
For All Carryover Water Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
07/02/18	115827 amended	WA1118	CHLORINE STORAGE CANOPY FOR WATER TREATMENT PLANT NO. 1 AND 2	3,400	3,400	-
07/26/18	117321	WT1121	WTP NO. 1 CLARIFIER REHABILITATION ENGINEERING PHASE	8,598	8,598	-
12/11/18	122556 amended	WT1161	AERATION STRUCTURE REHABILITATION ENGINEERING PHASE (RFQ020-18 PACKET 3)	235,865	215,970	-
12/11/18	123897 amended	WT1162	AERATION TANK REPLACEMENT ENGINEERING PHASE (RFQ020-18 PACKET 3)	235,865	217,388	-
11/06/18	123946	WT1168	36-INCH MAG METER FOR WATER TREATMENT PLANT I	14,731	-	-
12/04/18	125343	WT1172	RAW WATER PUMP STATION AT WATER PLANT I - ENGINEERING PHASE PACKET NO. 4 (RFQ020-18)	128,655	120,365	-
12/04/18	125336	WT1173	HIGH SERVICE PUMP STATION NO. 1 AT WATER PLANT I - ENGINEERING PHASE PACKET NO. 4 (RFQ020-18)	187,919	178,157	-
12/04/18	125337	WT1174	HIGH SERVICE PUMP STATION NO. 2 AT WATER PLANT I - ENGINEERING PHASE PACKET NO. 4 (RFQ020-18)	94,524	89,734	-
12/04/18	125357	WT1175	HIGH SERVICE PUMP STATION (5 VERTICAL TURBINE PUMPS) AT WATER PLANT II - ENGINEERING PHASE PACKET NO. 4 (RFQ020-18)	112,311	106,574	-
12/05/18	125392	WT1176	RAW WATER PUMP STATION AT WATER PLANT II - ENGINEERING PHASE PACKET NO. 4 (RFQ020-18)	89,533	85,009	-
06/03/19	135846	WD1213	WATER VALVE REPLACEMENT PHASE 3 ENGINEERING PHASE	17,145	17,145	-
07/02/19	137662	WA1215	WEST-MARK WATER TANK TRAILERS	232,214	232,214	-
07/12/19	138211	WS1218	SRWA CAUSTIC SODA TANK ELECTRICAL INSTALLATION	-	-	-
08/20/19	140603	WD1226	INSTALLING FIRST-TIME WATER SERVICE TO RESIDENTS OF TORRES ROAD EAST OF MILITARY HWY 281	33,835	-	180,000
06/16/11	28143	WD3765	8" WATER MAIN ALONG ALTON GLOOR INTERSECTION OF LAREDO RD AND SCAEFER LANE	-	-	-

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Capital Project Listing – FY 2019
For All Carryover Water Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
08/30/17 amended	28551	WT3772	FILTER SYSTEM REHABILITATION PROJECT AT WATER PLANT I AND II	26	-	-
05/08/17	91971	WD3911	WATER CONNECTION TO LS 9, 65, 33, 20, 15, 41, 3 AND 4 AS PART OF ODOR CONTROL PROJECT	-	-	-
06/24/14	48851	WA3913	JARDIN TERRACE SUBDIVISION APPRAISAL OF LOTS	1,268	1,268	-
N/A	N/A	N/A	OFFICE BUILDING ROOF REPLACEMENT AT WATER PLANT II	-	-	158,268
N/A	N/A	N/A	FY 2019 WATER UTILITY CONSTRUCTION PROJECT BUDGET ALLOCATION BALANCE	-	52,451	-
CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ 2,247,801	\$ 1,611,019	\$ 4,421,315
12/12/16	84033	WD5339	HOME 2 SUITES BY HILTON AT 717 SPRINGMART BLVD DEVELOPER INSTALLED IMPROVEMENTS	4,391	4,391	-
01/23/17	86471	WD5343	ELBLED SUBDIVISION CORNER OF LAREDO RD AND RUBEN TORRES BLVD DEVELOPER INSTALLED IMPROVEMENTS	4,535	4,535	-
06/29/17	94651	WD5350	RESACA CROSSING SUBDIVISION ON HUDSON BLVD AND RUBEN TORRES BLVD DEVELOPER INSTALLED IMPROVEMENTS	4,347	4,347	-
12/07/17	103757	WD5357	MORRISON PLAZA PROJECT AT TIPTON MOTORS SUBDIVISION RE-PLAN NO. 1, LOT 1, BLOCK 1; DEVELOPER INSTALLED IMPROVEMENTS	1,316	1,316	-
03/01/18	108923	WD5360	SAN RAFAEL SUBDIVISION OFF OF CENTRAL AVENUE AND SALIDA DE LUNA DEVELOPER INSTALLED IMPROVEMENTS	3,002	3,002	-
03/22/18	110319	WD5364	IDEA CAMP RIO OFF OF 280 FISH HATCHERY ROAD DEVELOPER INSTALLED IMPROVEMENTS	-	-	-
04/09/18	111078	WD5365	TANGELO QUARTERS ON ROOSEVELT ST BETWEEN TANGELO ST AND AVENIDA DEL ORO; DEVELOPER INSTALLED IMPROVEMENTS	2,622	2,559	-
06/29/18	115696	WD5369	LA CANTERA LEGACY APARTMENTS OFF OF RUBEN M TORRES BLVD DEVELOPER INSTALLED IMPROVEMENTS	3,761	-	-

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Capital Project Listing – FY 2019
For All Carryover Water Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
07/02/18	115825	WD5370	CATALON (LOT 1) AND HUNTINGTON (LOT 2) CATALON AT PASEO DE LA RESACA AT C.S.R. DRIVE/HERITAGE TRAIL AND FM 1847 (PAREDES LINE ROAD) DEVELOPER INSTALLED IMPROVEMENTS	67	-	-
07/02/18	115838	WD5371	MACIAS EVENT CENTER OFF OF FM 802 / JACINTO ROAD DEVELOPER INSTALLED IMPROVEMENTS	3,674	3,674	-
07/10/18	116264	WD5372	IDEA ACADEMY ROBINDALE SUBDIVISION ON ROBINDALE RD / FM 802 DEVELOPER INSTALLED IMPROVEMENTS	3,903	-	-
08/03/18	117799	WD5376	BUTTERFLY GROVE SUBDIVISION ON NARANJO ROAD AND OLD ALICE ROAD DEVELOPER INSTALLED IMPROVEMENTS	4,396	4,396	-
N/A	N/A	N/A	FY 2019 WATER UTILITY SUBDIVISION PROJECT BUDGET ALLOCATION BALANCE	-	10,427	-
CARRYOVER SUBDIVISION PROJECT TOTAL				\$ 36,015	\$ 38,647	\$ -
N/A	N/A	WD6000	EMERGENCY WATER UTILITY REPLACEMENT <small>Activity for use when work order not available at time of emergency.</small>	15,182	-	-
02/01/18	107227	WD6096	S OLD ALICE RD AND SUNSET DR UTILITY IMPROVEMENTS; ENGINEERING PHASE	19,280	19,013	-
02/01/18	107228	WD6097	TARA PLACE, DIX DRIVE AND HACIENDA LANE UTILITY IMPROVEMENTS OFF OF LA FERIA ROAD; ENGINEERING PHASE	20,514	20,247	-
02/20/18	108283	WD6100	GABRIEL STREET WATER SERVICE LINE CROSSINGS	76,604	76,604	-
03/27/18	110633	WD6101	624 VILLA VERDE WATER LINE ADJUSTMENT	-	-	-
08/30/19	115707 amended	WD6102	GREENBRIAR AVENUE WATER IMPROVEMENTS - DESIGN	14,463	8,043	-
CARRYOVER RELOCATION/REPLACEMENT OF LINES PROJECT TOTAL				\$ 146,042	\$ 123,907	\$ -
N/A	N/A	WD9001	NEW CONNECTIONS-NO PROJ NUMBER ASSIGNED	-	-	-
07/10/15	62664	WD9275	UTILITY CONNECTION TO 60' X 24' BUILDING FOR CUSTOMER SERVICE AND INFORMATION TECHNOLOGY USE	11,233	11,233	-
CARRYOVER NEW CONNECTION PROJECT TOTAL				\$ 11,233	\$ 11,233	\$ -
OVERALL CARRYOVER WATER UTILITY PROJECT TOTAL				\$ 2,441,091	\$ 1,784,806	\$ 4,421,315

Capital Project Listing – FY 2019
For All Carryover Wastewater Utility Projects
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
10/31/17	95617 amended	SA1062	NWWTP ADMINISTRATION BUILDING IMPROVEMENTS	12,538	-	374,901
09/25/17	99408	ST1074	BIOFILTER 6" GRAVITY DRAIN LINE AT SOUTH WASTEWATER TREATMENT PLANT	19,934	19,934	-
03/09/18	109526	ST1103	NEW GRIT PUMP AT THE ROBINDALE WASTEWATER TREATMENT PLANT	1,442	1,442	-
05/17/18	113189	ST1114	RAS MAG METER REPLACEMENT AT SOUTH WASTEWATER TREATMENT PLANT	9,514	9,514	-
05/30/18	113930	SA1116	SOUTH WASTEWATER TREATMENT PLANT NORTH AND EASTERN FENCE REPLACEMENT	10,961	10,874	-
08/28/18	117318 amended	SA1120	ROBINDALE WWTP SIGN ENGINEERING AND CONSTRUCTION	25,028	3,711	-
12/13/18	123906 amended	ST1163	AEROBIC DIGESTER BLOWERS AT NWWTP ENGINEERING PHASE (RFQ020-18 PACKET 3)	342,798	315,010	-
12/11/18	123197 amended	ST1164	HIGH EFFICIENT BLOWERS AT SWWTP ENGINEERING PHASE (RFQ020-18 PACKET 5)	134,167	98,326	-
12/11/18	123235 amended	ST1165	INFLUENT CHANNEL AT SWWTP ENGINEERING PHASE (RFQ020-18 PACKET 5)	410,547	298,288	-
12/11/18	123422 amended	ST1166	DIGESTER TANK REPLACEMENT AT SWWTP ENGINEERING PHASE (RFQ020-18 PACKET 5)	127,374	93,411	-
12/11/18	123482 amended	ST1167	AERATION BASIN NO. 3 AT SWWTP ENGINEERING PHASE (RFQ020-18 PACKET 5)	89,075	65,702	-
12/05/18	125393	ST1177	BELT FILTER PRESS AT SOUTH WASTEWATER TREATMENT PLANT - ENGINEERING PHASE PACKET NO. 4 (RFQ020-18)	103,045	97,801	-
12/05/18	125395	ST1178	NON-POTABLE PUMP AND MOTOR NO. 1 AT SOUTH WASTEWATER TREATMENT PLANT - ENGINEERING PHASE; PACKET NO. 4 (RFQ020-18)	107,858	102,358	-
12/05/18	125397	ST1179	NON-POTABLE PUMP AND MOTOR NO. 1 AT ROBINDALE WASTEWATER TREATMENT PLANT - ENGINEERING PHASE; PACKET NO. 4 (RFQ020-18)	120,597	114,419	-
07/20/16	47096 amended	ST3911	ODOR CONTROL MASTER PLAN IMPLEMENTATION ENGINEERING FOR SWWTP AND 8 LIFT STATIONS THROUGHOUT BROWNSVILLE	-	-	-
03/12/19	64036 amended	ST3960	NWWTP UV STRUCTURE CANOPY AND MONORAIL CRANE - ENGINEERING, PURCHASE AND INSTALLATION	414,136	325,222	-

continued

Capital Project Listing – FY 2019
For All Carryover Wastewater Utility Projects - Continued
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
N/A	N/A	N/A	PUMPING AND TREATMENT APPARATUS EQUIPMENT BUDGET	-	-	90,067
N/A	N/A	N/A	SEWER REPLACEMENTS RELATED TO CITY STREET PAVING AND DRAINAGE IMPROVEMENT PROJECTS	-	-	171,400
N/A	N/A	N/A	LIFT STATION NO. 63 REHABILITATION - ENGINEERING (PACKET 2) AND CONSTRUCTION	-	-	153,139
CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ 1,929,016	\$ 1,556,013	\$ 789,507
N/A	N/A	SC6000	EMERGENCY WASTEWATER UTILITY REPLACEMENT <small>Activity for use when work order not available at time of emergency.</small>	22,544	-	-
05/18/16	42044 amended	SP6083	LIFT STATION 45 REHABILITATION AT 2644 E PRICE RD	6,533	1,803	-
12/12/17	104049	SC6095	PALM VILLAGE UTILITY IMPROVEMENTS AT 1400 PALM BLVD; ENGINEERING PHASE	9,514	9,514	50,000
02/01/18	107229	SC6098	RENTFRO BLVD UTILITY IMPROVEMENTS FROM SHIDLER DRIVE TO EASTERN BLVD; ENGINEERING PHASE	9,813	1,520	50,000
01/18/19	127765	SC6104	OLD PORT ISABEL ROAD 24-INCH DIAMETER FORCE MAIN REPLACEMENT BETWEEN PRICE ROAD AND RUBEN TORRES BLVD - ENGINEERING PHASE	12,682	12,682	-
CARRYOVER RELOCATION/REPLACEMENT OF LINES PROJECT TOTAL				\$ 61,086	\$ 25,519	\$ 100,000
N/A	N/A	SC9001	NEW CONNECTIONS-NO PROJ NUMBER ASSIGNED	-	-	-
07/29/16	30301 amended	SC9265	SOUTH COLONIAS OF BROWNSVILLE CORONADO, COLONIA 21 SUBDIVISION, DOCKBERRY ESTATES, MILPA VERDE, AND PALOMA BLANCA	75,818	75,818	12,682
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	48,818	48,818	12,682
04/15/16	33849 amended	SC9272	FM 511-802 COLONIA AREAS CONSTRUCTION PHASE	-	-	50,000
10/13/16	80734	SC9278	404 E WASHINGTON STREET	2,788	2,788	-
CARRYOVER NEW CONNECTION PROJECT TOTAL				\$ 127,425	\$ 127,424	\$ 75,365
OVERALL CARRYOVER WASTEWATER UTILITY PROJECT TOTAL				\$ 2,117,527	\$ 1,708,955	\$ 964,872

Capital Project Listing – FY 2019
For All Carryover Water & Wastewater Utility Projects
Improvement Fund (Fund 400)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2020+ BUDGET
06/07/18	112900	WD1110	BROWNSVILLE AIRPORT TERMINAL PROJECT	8,426	312	-
	amended		AT 700 AMELIA EARHART DR			
06/07/18	112909	SC1110	DEVELOPER INSTALLED IMPROVEMENTS	10,541	2,071	-
	amended					
04/30/19	110883	WD3966	SERVICE CENTER YARD	129,099	115,765	-
	amended		UTILITY IMPROVEMENTS			
05/24/18	110884	SC3966		-	-	-
	amended					
CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ 148,066	\$ 118,147	\$ -
10/12/15	65798	WD5327	WINDSOR SUBDIVISION	5,063	5,063	-
	65799	SC5327	3705 BOCA CHICA BLVD	-	-	-
			DEVELOPER INSTALLED IMPROVEMENTS			
CARRYOVER SUBDIVISION PROJECT TOTAL				\$ 5,063	\$ 5,063	\$ -
02/01/18	107271	WD6099	LOS EBANOS BLVD UTILITY IMPROVEMENTS	20,367	19,570	-
02/01/18	107265	SC6099	BETWEEN EAST DRIVE AND HONEYDALE ROAD; ENGINEERING PHASE	5,150	3,814	50,000
CARRYOVER RELOCATION/REPLACEMENT OF LINES PROJECT TOTAL				\$ 25,518	\$ 23,384	\$ 50,000
There are no carryover projects in this category.						
CARRYOVER NEW CONNECTION PROJECT TOTAL				\$ -	\$ -	\$ -
OVERALL CARRYOVER WATER & WASTEWATER UTILITY PROJECT TOTAL				\$ 178,647	\$ 146,594	\$ 50,000

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**Summary Expenditure Report
For All Carryover Projects – FY 2019
For All Other Capital Funds**

	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED BUDGET	FISCAL YEAR 2020 FUNDING	FY 2020 APPROVED BUDGET
FUTURE DEBT BOND PROCEEDS PROJECTS (COMMERCIAL PAPER) TOTAL	\$ 26,034,447	\$ 11,909,351	\$ 6,991,909	\$ 27,366,012	\$ 46,267,272
IMPACT FEES TOTAL	441,984	417,043	1,397,488	1,200,000	3,014,531
GRANT FUNDS TOTAL	224,507	-	100,000	-	100,000
OTHER CAPITAL FUNDS APPROVED BUDGET TOTAL	\$ 26,700,938	\$ 12,326,394	\$ 8,489,397	\$ 28,566,012	\$ 49,381,803

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Capital Project Listing – FY 2019
For All Carryover Projects
Future Debt Bond Proceeds Projects (Commercial Paper Fund 405)

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
09/19/16	79344	SP1008	LS 159 MOTOR CONTROL CENTER BUILDING AND ELECTRICAL UPGRADES	-	-	-
09/20/16	79461	SP1009	LS 63 MOTOR CONTROL CENTER BUILDING AND ELECTRICAL UPGRADES	1,505	-	-
09/21/16	79488	SP1011	LIFT STATION NO. 44 REHABILITATION AT 45 TAN OAK CIRCLE	19,008	19,008	-
09/22/16	79548	SP1012	LIFT STATION NO. 68 REHABILITATION AT 4700 STAGECOACH TRAIL	6,999	6,939	-
09/22/16	79561	SP1013	LIFT STATION NO. 69 REHABILITATION AT 1580 LA POSADA DRIVE	18,347	18,347	-
11/01/16	81873	SA1023	A/C REPLACEMENT IN ADMIN. BUILDING OF SOUTH WASTEWATER TREATMENT PLANT	-	-	-
08/09/19 amended	83301	WD1025	2.0 MG ELEVATED STORAGE TANK DESIGN PHASE	119,298	90,720	-
02/10/17	87796	SP1044	LIFT STATION NO. 9 PUMP REPLACEMENT	-	-	-
04/21/17	91236	SP1051	LIFT STATION NO 8 AND 41 REHABILITATION AT 2702 LA VILLITA ST AND 2341 E LOS EBANOS BLVD	-	-	-
05/21/18 amended	91395	SA1052	LIFT STATION NO 130 FENCE REPLACEMENT AT 3299 EMERALD VALLEY BLVD	-	-	-
01/17/19	127719	ED1058	UNDERGROUND CONDUIT INSTALLATION AT RIO GRANDE SUBSTATION	26,731	12,070	-
06/29/18 amended	77785	ET1058	POWER PLANT 138 KV DISTRIBUTION SUBSTATION CONVERSION FROM 69 KV	2,192,047	1,802,948	-
06/11/18 amended	93699	SP1066	ODOR CONTROL MASTER PLAN, PHASE II FOR EIGHT WASTEWATER LIFT STATIONS	2,481,885	343,932	-
07/12/19 amended	97527	WT1071	HIGH SERVICE PUMP STATION NO. 5 REPLACEMENT FOR WATER PLANT I - CONSTRUCTION	736,200	736,200	-
12/14/17	104167	SC1086	BROWNSVILLE SOUTH PADRE ISLAND INTERNATIONAL AIRPORT EDA CARGO FACILITY DEVELOPER INSTALLED IMPROVEMENTS	2,625	2,625	-
03/27/18	110594	SP1104	LIFT STATION NO. 9 PUMP REPLACEMENT	17,614	-	10,827
02/01/19 amended	113929	WD1115	GAZELLE STREET UTILITY IMPROVEMENTS	-	-	135,907
02/01/19 amended	113975	SC1115		162,279	162,117	-

continued

Capital Project Listing – FY 2019
For All Carryover Projects
Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
11/15/18	121496 amended	SP1135	LIFT STATION NO. 9 REHABILITATION WASTEWATER PUMPING STATION UPGRADES PACKET NO. 1 (RFQ Q020-18)	65,830	57,127	-
11/15/18	121769 amended	SP1136	LIFT STATION NO. 17 REHABILITATION WASTEWATER PUMPING STATION UPGRADES PACKET NO. 1 (RFQ Q020-18)	65,830	48,005	150,000
11/15/18	121770 amended	SP1137	LIFT STATION NO. 72 REHABILITATION WASTEWATER PUMPING STATION UPGRADES PACKET NO. 1 (RFQ Q020-18)	65,830	53,078	84,170
11/15/18	121771 amended	SP1138	LIFT STATION NO. 95 REHABILITATION WASTEWATER PUMPING STATION UPGRADES PACKET NO. 1 (RFQ Q020-18)	65,830	57,127	84,170
11/15/18	121772 amended	SP1139	LIFT STATION NO. 99 REHABILITATION WASTEWATER PUMPING STATION UPGRADES PACKET NO. 1 (RFQ Q020-18)	65,830	57,127	136,843
09/06/19	121773 amended	SP1140	LIFT STATION NO. 15 REHABILITATION WASTEWATER PUMPING STATION UPGRADES PACKET NO. 2 (RFQ Q020-18)	80,057	58,984	92,423
12/21/18	121774 amended	SP1141	LIFT STATION NO. 63 REHABILITATION WASTEWATER PUMPING STATION UPGRADES PACKET NO. 2 (RFQ Q020-18)	189,168	153,139	-
12/21/18	121775 amended	SP1142	LIFT STATION NO. 106 REHABILITATION WASTEWATER PUMPING STATION UPGRADES PACKET NO. 2 (RFQ Q020-18)	82,911	69,940	417,089
11/15/18	122410 amended	SP1145	LIFT STATION NO. 89 REHABILITATION ENGINEERING PHASE (RFQ020-18 PACKET 1)	65,830	57,127	-
11/15/18	122450 amended	SP1146	LIFT STATION NO. 96 DECOMMISSION ENGINEERING PHASE (RFQ020-18 PACKET 1)	65,830	57,127	-
07/18/19	122385 amended	SP1147	LIFT STATION NO. 10 REHABILITATION ENGINEERING PHASE (RFQ020-18 PACKET 1)	65,830	57,127	-
11/15/18	122394 amended	SP1148	LIFT STATION NO. 11 REHABILITATION ENGINEERING PHASE (RFQ020-18 PACKET 1)	65,830	57,127	-
11/15/18	122396 amended	SP1149	LIFT STATION NO. 28 REHABILITATION ENGINEERING PHASE (RFQ020-18 PACKET 1)	65,830	57,127	-
11/15/18	122401 amended	SP1150	LIFT STATION NO. 43 REHABILITATION ENGINEERING PHASE (RFQ020-18 PACKET 1)	63,717	55,013	-
11/15/18	122406 amended	SP1151	LIFT STATION NO. 58 REHABILITATION ENGINEERING PHASE (RFQ020-18 PACKET 1)	65,830	57,127	-
01/08/19	122468 amended	SP1152	LIFT STATION NO. 47 REHABILITATION ENGINEERING PHASE (RFQ020-18 PACKET 2)	93,527	78,811	-

continued

Capital Project Listing – FY 2019
For All Carryover Projects
Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
01/08/19	122486 amended	SP1153	LIFT STATION NO. 51 REHABILITATION ENGINEERING PHASE (RFQ020-18 PACKET 2)	74,282	61,280	-
01/08/19	122494 amended	SP1154	LIFT STATION NO. 67 REHABILITATION ENGINEERING PHASE (RFQ020-18 PACKET 2)	78,492	66,285	-
01/08/19	122553 amended	SP1155	LIFT STATION NO. 80 REHABILITATION ENGINEERING PHASE (RFQ020-18 PACKET 2)	74,929	63,308	-
01/08/19	122554 amended	SP1156	LIFT STATION NO. 101 REHABILITATION ENGINEERING PHASE (RFQ020-18 PACKET 2)	91,571	76,108	-
01/08/19	122555 amended	SP1157	LIFT STATION NO. 105 REHABILITATION ENGINEERING PHASE (RFQ020-18 PACKET 2)	76,816	64,848	-
12/11/18	124094 amended	SP1160	LIFT STATION NO. 140 REHABILITATION ENGINEERING PHASE (RFQ020-18 PACKET 1)	65,830	57,127	34,171
01/28/19	128395	WT1189	REPLACEMENT OF INFLUENT VALVES FOR 8 FILTERS AT WATER PLANT I - ENGINEERING PHASE	7,264	7,077	-
01/28/19	128470	WT1190	REPLACEMENT OF DRAIN VALVES FOR DRYING LAGOONS AT WATER PLANT I - ENGINEERING PHASE	7,264	6,890	51,236
02/26/19	130200	WD1192	BOCA CHICA MEDIAN PROJECT	2,426	-	-
02/25/19	130101	SC1192	ON BOCA CHICA BLVD FROM EXPRESSWAY 83 TO HIGHWAY 48	2,426	-	-
06/13/19	127760 amended	WT1200	STAINLESS STEEL SLIDE GATE AND MUD VALVE REPLACEMENTS AT WATER PLANT I FLOCCULATION BASIN B - ENGINEERING AND CONSTRUCTION	127,622	123,756	-
01/18/19	127758	WD1201	39-INCH DIAMETER RAW WATER LINE REPLACEMENT AT ROTARY PARK - ENGINEERING PHASE	50,729	50,729	-
04/23/19	131948 amended	WT1202	HIGH SERVICE PUMP NO. 3 REPLACEMENT AT WATER PLANT I	61,171	60,934	-
06/07/19	136189	WT1212	FLOCCULATOR MIXER DRIVES FOR TRAIN B AT WATER TREATMENT PLANT I	62,111	62,111	-
07/22/19	138698	ST1219	ROBINDALE WASTEWATER TREATMENT PLANT BLOWEI REPLACEMENT FOR AEROBIC DIGESTER	173,863	173,863	-
12/03/13	42653	WD3888	MARTINAL AREA WATER SYSTEM LOOPS OFF OF OLD PORT ISABEL ROAD AND FM 802 - ENGINEERING PHASE	22,809	22,809	-
08/09/17	47262 amended	EA3909	ELECTRIC SCADA SYSTEM - INSTALLATION AND REPLACEMENT	244,147	136,717	-
07/20/16	47096 amended	ST3911	ODOR CONTROL MASTER PLAN IMPLEMENTATION ENGINEERING, PHASE 1 - SWWTP AND 16 LOCATIONS THROUGHOUT BROWNSVILLE	-	-	-

continued

Capital Project Listing – FY 2019
For All Carryover Projects
Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
09/26/19	80540 amended	GA3965	ADMINISTRATION BUILDING ANNEX - CONSTRUCTION	-	-	4,500,000
03/14/19	68332 amended	GA3966	FM 511 FACILITIES RELOCATION PROJECT	15,102,213	5,132,435	-
09/22/14	51796	SC5303	MAYORCA VILLAS SUBDIVISION CORNER OF JOSE MARTI AND LA PAZ COURT DEVELOPER INSTALLED IMPROVEMENTS	-	-	-
12/16/14	55114	WD5310	LOS SABALES SUBDIVISION AT VICC ON OLD HWY 77 AND INTERNATIONAL DR DEVELOPER INSTALLED IMPROVEMENTS	3,324	3,324	-
11/18/16	82821	SC5338	JJR SUBDIVISION FM 802-RUBEN TORRES BLVD AT BELLA VISTA APTS DEVELOPER INSTALLED IMPROVEMENTS	-	-	-
06/29/17	94653	SC5350	RESACA CROSSING SUBDIVISION ON HUDSON BLVD AND RUBEN TORRES BLVD DEVELOPER INSTALLED IMPROVEMENTS	3,353	3,353	-
08/15/17	97181	SC5351	VILLARREAL GARCIA SUBDIVISION OFF OF VERMILLION ROAD DEVELOPER INSTALLED IMPROVEMENTS	-	7	-
12/07/17	103758	SC5357	MORRISON PLAZA PROJECT AT TIPTON MOTORS SUBDIVISION RE-PLAN NO. 1, LOT 1, BLOCK 1; DEVELOPER INSTALLED IMPROVEMENTS	1,155	1,155	-
02/21/18	108378	SC5359	LAGO VISTA SUBDIVISION SECTION II, PHASE IV OFF OF CARIBBEAN DRIVE AND DOMINICA DRIVE DEVELOPER INSTALLED IMPROVEMENTS	2,289	2,289	-
03/01/18	108924	SC5360	SAN RAFAEL SUBDIVISION OFF OF CENTRAL AVENUE AND SALIDA DE LUNA DEVELOPER INSTALLED IMPROVEMENTS	3,202	3,202	-
03/13/18	109748	SC5364	IDEA CAMP RIO OFF OF 280 FISH HATCHERY ROAD DEVELOPER INSTALLED IMPROVEMENTS	5,965	5,380	-
04/09/18	111079	SC5365	TANGELO QUARTERS ON ROOSEVELT ST BETWEEN TANGELO ST AND AVENIDA DEL ORO; DEVELOPER INSTALLED IMPROVEMENTS	2,138	2,075	-
06/25/18	115458	SC5368	LAGO VISTA SECTION 2 PHASE 5 OFF OF FM 1732 AND LAGO VISTA BLVD DEVELOPER INSTALLED IMPROVEMENTS	1,889	1,146	-
06/29/18	115695	SC5369	LA CANTERA LEGACY APARTMENTS OFF OF RUBEN M TORRES BLVD DEVELOPER INSTALLED IMPROVEMENTS	3,509	2,521	-

continued

Capital Project Listing – FY 2019
For All Carryover Projects
Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
07/02/18	115842	SC5370	CATALON (LOT 1) AND HUNTINGTON (LOT 2) CATALON AT PASEO DE LA RESACA AT C.S.R. DRIVE/HERITAGE TRAIL AND FM 1847 (PAREDES LINE ROAD) DEVELOPER INSTALLED IMPROVEMENTS	315	-	-
07/11/18	116305	SC5372	IDEA ACADEMY ROBINDALE SUBDIVISION ON ROBINDALE RD / FM 802 DEVELOPER INSTALLED IMPROVEMENTS	5,425	5,152	-
07/11/18	116304	SC5373	EL NARANJAL SECTION 8 SUBDIVISION ON MARRS AVE & ARBOLEDA LN DEVELOPER INSTALLED IMPROVEMENTS	904	1,486	-
07/10/18	116208	SC5374	THE OAKS SUBDIVISION ON MERCEDES ROAD DEVELOPER INSTALLED IMPROVEMENTS	11,489	-	-
07/24/18	117144	SC5375	THE WOODLANDS 2-B SUBDIVISION OFF OF WOODLANDS AVENUE DEVELOPER INSTALLED IMPROVEMENTS	2,635	1,248	-
08/03/18	117802	SC5376	BUTTERFLY GROVE SUBDIVISION ON NARANJO ROAD AND OLD ALICE ROAD DEVELOPER INSTALLED IMPROVEMENTS	7,923	7,923	-
10/04/18	121475	WD5377	WILDROSE VILLAS ON WILDROSE LANE DEVELOPER INSTALLED IMPROVEMENTS	2,823	1,176	-
10/23/18	122919	WD5378	PALO ALTO RESIDENCE SUBDIVISION	3,852	3,852	-
10/23/18	122915	SC5378	ON FM 511 AND OLD ALICE ROAD DEVELOPER INSTALLED IMPROVEMENTS	4,417	2,928	-
11/13/18	124164	WD5379	GALENO COMMERCIAL SUBDIVISION	1,591	1,591	-
11/13/18	124160	SC5379	ON PABLO KISEL BLVD & GALENO CROSSINGS DEVELOPER INSTALLED IMPROVEMENTS	2,016	699	-
12/07/18	125522	WD5380	WESTLAKE ESTATES SECTION III	6,685	4,375	-
12/07/18	125574	SC5380	OFF OF WESTLAKE AVENUE DEVELOPER INSTALLED IMPROVEMENTS	8,110	3,741	-
12/27/18	126604	WD5381	CROSS COUNTRY TRAILS SUBDIVISION SECTION 8	3,276	2,964	-
12/27/18	126605	SC5381	OFF OF BARBWIRE LN AND SAGEBRUSH RD DEVELOPER INSTALLED IMPROVEMENTS	4,354	1,879	-
01/04/19	126926	WD5382	QUEENSLAND SUBDIVISION, SECTION 2	2,546	1,924	-
01/04/19	126933	SC5382	DEVELOPER INSTALLED IMPROVEMENTS	3,584	2,962	-
04/15/19	133032	WD5383	SANTANDER SUBDIVISION, PHASE IV	3,709	3,423	-
04/15/19	133034	SC5383	OFF OF LAREDO ROAD DEVELOPER INSTALLED IMPROVEMENTS	3,709	3,423	-

continued

Capital Project Listing – FY 2019
For All Carryover Projects
Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
04/15/19	133035	WD5384	LAGO VISTA SUBDIVISION, SECTION II, PHASE VI	3,709	3,709	-
04/15/19	133036	SC5384	OFF OF LAGO VISTA BLVD AND RAIN FOREST DRIVE DEVELOPER INSTALLED IMPROVEMENTS	3,709	3,427	-
04/15/19	133038	WD5385	CENTRAL PARK COMMUNITY CENTER SUBDIVISION	3,709	3,709	-
04/15/19	133040	SC5385	OFF OF DOUGLAS WAY AND ALEXA DRIVE DEVELOPER INSTALLED IMPROVEMENTS	3,709	3,709	-
04/15/19	133042	WD5386	TITIS PROPERTIES SUBDIVISION -	3,709	3,709	-
04/15/19	133043	SC5386	CHARLIE CLARK SELECT PRE-OWNED AT 2647 N EXPRESSWAY 77/83 DEVELOPER INSTALLED IMPROVEMENTS	3,709	3,709	-
06/12/19	136433	WD5387	ROSEWOOD ESTATES	4,365	4,365	-
06/12/19	136468	SC5387	DEVELOPER INSTALLED IMPROVEMENTS	4,365	4,365	-
06/12/19	136483	WD5388	SANDLEWOOD SUBDIVISION	4,365	4,365	-
06/12/19	136484	SC5388	DEVELOPER INSTALLED IMPROVEMENTS	4,365	4,365	-
06/12/19	136474	SC5389	ESPERANZA SUBDIVISION OFF OF HOUSTON ROAD DEVELOPER INSTALLED IMPROVEMENTS	4,365	4,364	-
08/05/19	139636	SC5390	LOERA WAREHOUSE NO. 12 1505 CENTRAL AVENUE DEVELOPER INSTALLED IMPROVEMENTS	4,539	-	-
08/07/19	139848	WD5391	PALMETTO GROVE SUBDIVISION, PHASE II, REPLAT	4,382	-	-
	139851	SC5391	INTERSECTION OF SOUTH DAKOTA AVE AND SOUTHMOST RD; DEVELOPER INSTALLED IMPROVEMENTS	4,536	-	-
08/12/19	140063	WD5392	EL NARANJAL SUBDIVISION SECTION IX	3,474	-	-
	140064	SC5392	DEVELOPER INSTALLED IMPROVEMENTS	3,853	-	-
10/07/19	143304	WD5393	THE WOODLANDS SUBDIVISION, SECTION 2-C	-	-	-
	143320	SC5393	OFF OF WOODLAND AVENUE DEVELOPER INSTALLED IMPROVEMENTS	-	-	-
10/08/19	143359	WD5394	POINSETTIA GARDENS AT BOCA CHICA	-	-	-
	143361	SC5394	OFF OF MCDAVITT BLVD DEVELOPER INSTALLED IMPROVEMENTS	-	-	-
07/12/19	42044 amended	SP6083	LIFT STATION 45 REHABILITATION AT 2644 E PRICE RD	529,925	501,843	-
03/28/19	97813 amended	SC6093	UTILITY LINE IMPROVEMENTS	410,692	168,248	-
08/09/19	97838 amended	SC6094	PALO VERDE SEWER REHABILITATION ON PALO VERDE DRIVE AND TUPELO DRIVE	247,221	227,421	-
08/30/19	115707 amended	WD6102	GREENBRIAR AVENUE WATER IMPROVEMENTS - CONSTRUCTION PHASE	89,175	89,175	-
N/A	N/A	SC9001	NEW CONNECTIONS-NO PROJ NUMBER ASSIGNED	209,997	13,741	284,553

continued

Capital Project Listing – FY 2019
For All Carryover Projects
Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
N/A	N/A	WD9001	NEW CONNECTIONS-NO PROJ NUMBER ASSIGNED	644,865	28,699	105,897
05/28/15	33849 amended	SC9272	FM 511-802 COLONIA AREAS CONSTRUCTION PHASE	68,080	68,080	-
07/18/19	97521 amended	SC9280	COLONIA CORONADO WASTEWATER IMPROVEMENTS - TX DEPT OF AGRICULTURE'S COLONIA FUND CONSTRUCTION	297,327	297,327	-
01/11/19	127404	SC9281	62 ALTON GLOOR BLVD; FIRE STATION NO. 9 SEWER LINE EXTENSION	22,100	3,525	-
N/A	N/A	N/A	WATER METER VAULT REPLACEMENT PROJECT	-	-	75,000
N/A	N/A	N/A	NWWTP BLOWER BUILDING NO. 1 ROOF REPLACEMENT	-	-	40,050
N/A	N/A	N/A	WATER MAIN REPLACEMENTS RELATED TO CITY STREET PAVING AND DRAINAGE IMPROVEMENT PROJECTS	-	-	97,574
N/A	N/A	N/A	GATE VALVES FOR FLOCCULATORS - TRAIN B FOR WATER PLANT NO. 1	-	-	120,000
N/A	N/A	N/A	TWO FLOCCULATOR UNITS (REPLACE EXISTING UNITS) AT WATER PLANT NO. 1	-	-	60,000
N/A	N/A	N/A	LIFT STATION NO. 65A PUMP REPLACEMENT	-	-	62,000
N/A	N/A	N/A	NORTH STREET - COB AND WATER UTILITY IMPROVEMENTS	-	-	75,000
N/A	N/A	N/A	SOUTH IOWA - COB AND WATER UTILITY IMPROVEMENTS	-	-	75,000
N/A	N/A	N/A	SOUTH WASTEWATER TREATMENT PLANT DIGESTER TANKS 1 AND 2 STRUCTURAL REHABILITATION	-	-	100,000
N/A	N/A	N/A	SWWTP UPGRADE OF HEADWORKS GRIT SYSTEM	-	-	200,000
OVERALL CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ 26,034,447	\$ 11,909,351	\$ 6,991,909
ELECTRIC UTILITY TOTAL:				\$ 2,462,925	\$ 1,951,736	\$ -
GENERAL & ADMINISTRATIVE UTILITY:				15,102,213	5,132,435	4,500,000
WATER UTILITY TOTAL:				1,986,454	1,321,586	795,614
WASTEWATER UTILITY TOTAL:				6,482,855	3,503,594	1,696,295
OVERALL COMMERCIAL PAPER FUND TOTAL				\$ 26,034,447	\$ 11,909,351	\$ 6,991,909

**Capital Project Listing – FY 2019
For All Carryover Projects
Impact Fees Fund Projects (Fund 410)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
02/12/19	81898 amended	WD1022	16-INCH WATERLINE LOOP FROM W. ALTON GLOOR BLVD TO LAGO VISTA	391,254	366,314	798,218
12/28/15	67553	WA3972	2015 IMPACT FEE STUDY	-	-	-
	67763	SA3972	FOR WATER & WASTEWATER INFRASTRUCTURE	-	-	-
01/18/19	127763	SC6103	NORTH REGIONAL FORCE MAIN SYSTEM 24-INCH FORCE MAIN INSTALLATION FROM LIFT STATION NO. 159 TO THE NORTH WASTEWATER TREATMENT PLANT - ENGINEERING PHASE	50,729	50,729	549,271
N/A	N/A	N/A	WATERLINE UPGRADE ON SOUTHMOST BLVD FROM EST 4 TO LIMA ST	-	-	50,000
OVERALL CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ 441,984	\$ 417,043	\$ 1,397,488
WATER UTILITY TOTAL:				\$ 391,254	\$ 366,314	\$ 848,218
WASTEWATER UTILITY TOTAL:				50,729	50,729	549,271
OVERALL IMPACT FEES FUND TOTAL				\$ 441,984	\$ 417,043	\$ 1,397,488

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**Capital Project Listing – FY 2019
For All Carryover Projects
Grant Proceeds (Fund 200)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2019 BEGINNING BALANCE	FY 2019 ENDING BALANCE	DEFERRED FY 2020+ BUDGET
05/28/15	33849 amended	SC9272	FM 511-802 COLONIA AREAS	-	-	-
06/26/18	65637 amended	SC9276	FM 511-802 RESIDENTIAL CONNECTIONS BORDER ENVIRONMENT COOPERATION COMMISSION / NORTH AMERICAN DEVELOPMENT BANK BORDER ENVIRONMENT INFRASTRUCTURE FUND	224,507	-	-
N/A	N/A	N/A	INSTALLING FIRST-TIME WATER SERVICE TO RESIDENTS OF TORRES ROAD	-	-	100,000
OVERALL GRANTS FUND TOTAL				\$ 224,507	\$ -	\$ 100,000

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GRANTS

**Grant Schedule
As of September 30, 2019**

Federal Grantor/Pass-Through Grantor/Program Title/Grant No.	Grant Period From	To	Total Project Cost	Approved Grant Funding	BPUB Activity Number	Grant Expenditures Requested	Reimbursements Received	Due From Government
FEDERAL FINANCIAL ASSISTANCE								
DEPARTMENT OF THE INTERIOR THROUGH THE BUREAU OF RECLAMATION								
<i>Small Scale Water Efficiency Projects</i>								
CFDA # 15.507	3/20/2018	12/31/2019	R17AP00172					
			149,778	72,868		\$ 72,868	\$ 72,868	\$ -
			\$ 149,778	\$ 72,868		\$ 72,868	\$ 72,868	\$ -
ENVIRONMENTAL PROTECTION AGENCY in connection with BORDER ENVIRONMENT COOPERATIVE COUNCIL								
<i>Program: Congressionally Mandated Projects</i>								
<i>Project Name: BPUB Residential Connections</i>								
CFDA # 66.202	2/23/2016	2/23/2019	TX0470		SC9276			
			3,628,140	3,628,140		\$ 2,968,992	\$ 2,968,992	\$ -
			\$ 3,628,140	\$ 3,628,140		\$ 2,968,992	\$ 2,968,992	\$ -
Total Expenditures and Disbursements of Federal Awards						\$ 3,041,860	\$ 3,041,860	
STATE FINANCIAL ASSISTANCE								
TEXAS WATER DEVELOPMENT BOARD								
<i>Program: Economically Distressed Areas Program</i>								
FM511-802 Colonia (CONSTRUCTION)								
G120010	4/19/2012	6/30/2015	10344		SC9272			
L120029			\$ 25,497,000	24,505,000		\$ 23,525,433	\$ 23,525,433	\$ -
				840,000		840,000	840,000	-
			\$ 25,497,000	\$ 25,345,000		\$ 24,365,433	\$ 24,365,433	\$ -
Total Expenditures and Disbursements of State Awards						\$ 24,365,433	\$ 24,365,433	

continued

Grant Schedule
As of September 30, 2019 - Continued

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
LOCAL FINANCIAL ASSISTANCE							
CPS HR CONSULTING		CPS HR CONSULTING		MRETN			
MILLENIAL RETENTION	4/1/2017	3/31/2020	\$ 20,000	\$ 20,000	\$ 9,706	\$ 9,706	\$ -
			<u>\$ 20,000</u>	<u>\$ 20,000</u>	<u>\$ 9,706</u>	<u>\$ 9,706</u>	<u>\$ -</u>
Charles H. Whiteside		CPS HR CONSULTING		ANALAB			
Training for Total Organic Analyzer & Ion Chromatography	3/1/2019	3/1/2020	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ -
			<u>\$ 5,000</u>	<u>\$ 5,000</u>	<u>\$ 5,000</u>	<u>\$ 5,000</u>	<u>\$ -</u>
Total Expenditures and Disbursements of Local Awards					<u>\$ 14,706</u>	<u>\$ 14,706</u>	
Total Expenditures and Disbursements of Federal, State, Local Awards and TWDB Bonds					<u>\$ 27,421,999</u>	<u>\$ 27,421,999</u>	

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APPENDICES

Appendices Section

This part of the Brownsville PUB Annual Budget Report presents detailed information as a context for understanding what the information in the required statistical and supplementary information says about the Brownsville PUB.

Contents	Page
BPUB Description and Utility Service Territory Maps	
These schedules include supplemental data that describe the organization, the community, and service territory.	Appendix A 415 - 421
Glossary	
This schedule includes any terminology (including abbreviations and acronyms) that are not readily understandable.	Appendix B 422 – 431
Financial Trends	
These schedules contain trend information to help the reader understand how the Brownsville Public Utilities Board’s financial performance and well-being has changed over time.	Appendix C 433 – 436
Revenue Capacity	
These schedules contain information to help the reader access the Brownsville PUB’s local revenue source.	Appendix C 438 – 442
Debt Capacity	
These schedules present information to help the reader assess the Brownsville PUB’s debt burden and its ability to issue additional debt in the future.	Appendix C 444
Demographic and Economic Information	
This schedule offers demographic and economic indicators to help the reader understand the environment in which the Brownsville PUB’s financial activities take place.	Appendix D 446 – 453
Operating Information	
These schedules contain service and infrastructure data to help the reader understand how the information in the Brownsville PUB’s financial report relates to the service Brownsville PUB provides and activities it performs.	Appendix E 456 - 459

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 50,030 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 Exelon Corporation 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 6.85 million gallons storage capacity, and three elevated storage tanks provide 5 million gallons of elevated storage capacity. Water is pumped by four high-service pumping stations into the distribution system which consists of 676 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 three other water distribution companies that amount to approximately 5.41% of sales. The Brownsville PUB partnered with the SRWA and built a 7.5 million gallon reverse osmosis water treatment plant of which the Brownsville PUB has 92.91% ownership. The SRWA plant completed an expansion in 2015 to provide microfiltration pretreatment and an increased total production capacity of 10 MGD. This SRWA plant includes a 7.5 million gallon storage tank.

The Brownsville PUB has an annual allocation of municipal priority water rights from the Texas Commission on Environmental Quality (TCEQ) in the amount of 31,442.381 acre-feet of water, which is dependent upon inflow to the Falcon and Amistad Reservoirs. In addition, the Brownsville PUB holds Permit No. 1838 entitling it the right to 40,000 acre-feet of surplus water.

The Brownsville PUB is subject to regulation of water quality by the TCEQ. The Brownsville PUB presently has a "Superior" water system as determined in accordance with current TCEQ regulations. The Brownsville PUB's water utility service area is subject to the certification jurisdiction of the TCEQ. The Brownsville PUB has been certified singly to provide water service within the boundaries of the City. A large portion of the area, three and one-half miles surrounding the boundaries (the "extraterritorial jurisdiction") of the City, is dually certified. There is a small water utility system (El Jardin Water Supply Corporation) whose customers are situated adjacent to or within the System. All of its treated water is supplied by the Brownsville PUB's water system.

The Wastewater System, consisting of collection and treatment facilities, includes gravity wastewater collection lines, 178 pumping/lift stations and two treatment plants. Wastewater is transported by lift stations and associated force mains to one of two wastewater treatment plants – the Robindale Plant or the South Plant. The Robindale Plant was designed to treat 5 MGD in 1980 and expanded to a capacity of 10 MGD in 1995. The Robindale renovation and expansion project completed in June 24, 2014 increased the treatment capacity to 14.5 MGD. The Robindale Plant provides secondary waste treatment utilizing a Modified Ludzack-Ettinger (MLE) process (anoxic and aerobic with an internal nitrate cycle) of activated sludge, turbo blowers (with magnetic bearings) with auto dissolved oxygen control, secondary settling, ultra-violet light system (for disinfection), effluent cascade aeration system, sludge thickening, aerobic digestion, mechanical sludge dewatering (via 2-meter belt filter press), a SCADA (Supervisory Control and Data Acquisition) system, and land disposal of sludge (Dedicated Land Disposal Site of 137 Acres). The South Plant was originally designed as a trickling filter plant with a treatment capacity of 5 MGD. In 1971, it was expanded to a capacity of 7.8 MGD and was further modified in 1978 to include complete-mix. In 2000, the plant was expanded to 12.8 MGD. The treatment process was changed to activated sludge and the anaerobic digesters were converted to use the

aerobic process. Sludge is thickened, dewatered by a belt filter press, and disposed of at a Dedicated Land Disposal (DLD) site.

The wastewater system is subject to regulation by the EPA and the TCEQ with regards to operations of the facilities and the water quality of the wastewater plants' effluent.

The Brownsville PUB has the authority to provide wastewater service both inside and outside the city limits. The Brownsville Navigation District owns and operates its own wastewater treatment facilities. There is no competition between Brownsville PUB's wastewater system and the Brownsville Navigation District since the Brownsville Navigation District operates in defined areas in which the System has no wastewater lines.

Economic Conditions and Outlook

The City of Brownsville, Texas (City) is the county seat of Cameron County. It is the southernmost city in Texas and the largest city in the Lower Rio Grande Valley. In Texas, Brownsville is second only to San Antonio in historical significance. Its location is attractive due to its close proximity to major tourism attractions, such as South Padre Island, Mexico, and the Gladys Porter Zoo.

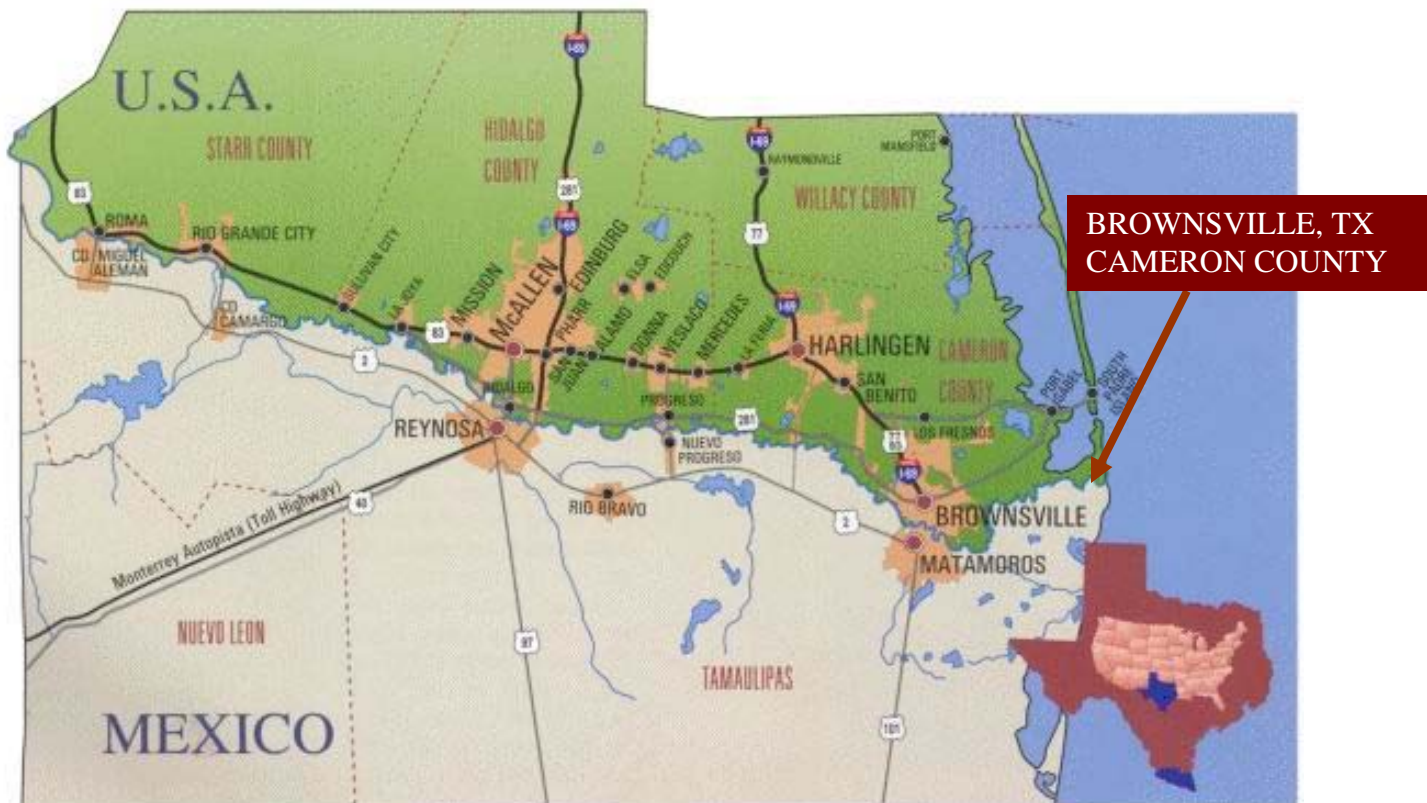
The City is located about 25 miles inland from the Gulf of Mexico, on the north bank of the Rio Grande River. Brownsville lies across the river from Matamoros, Mexico. The two cities are joined by three international bridges, and serve as a trade center for much of the Lower Rio Grande Valley.

According to the U.S. Census Bureau, Brownsville's estimated population for 2018 was 186,646. The demographics of Brownsville's population can be summed up as young and fast growing. The median age is 30.3 years versus a national average of 37.8 years. About 32% of all persons in the City are younger than 18 years of age.

The reporting entity of the Brownsville PUB consists of the primary government and a blended component unit, Southmost Regional Water Authority (SRWA). The SRWA establishes a separate budget. The SRWA is a conservation and reclamation district created pursuant to Article XVI, Section 59, of the Texas Constitution and the Act of June 12, 1981, 67th Leg., Ch. 511, 1981 Tex. Gen. Laws 2196. The SRWA provides treated water to various areas of Cameron County.

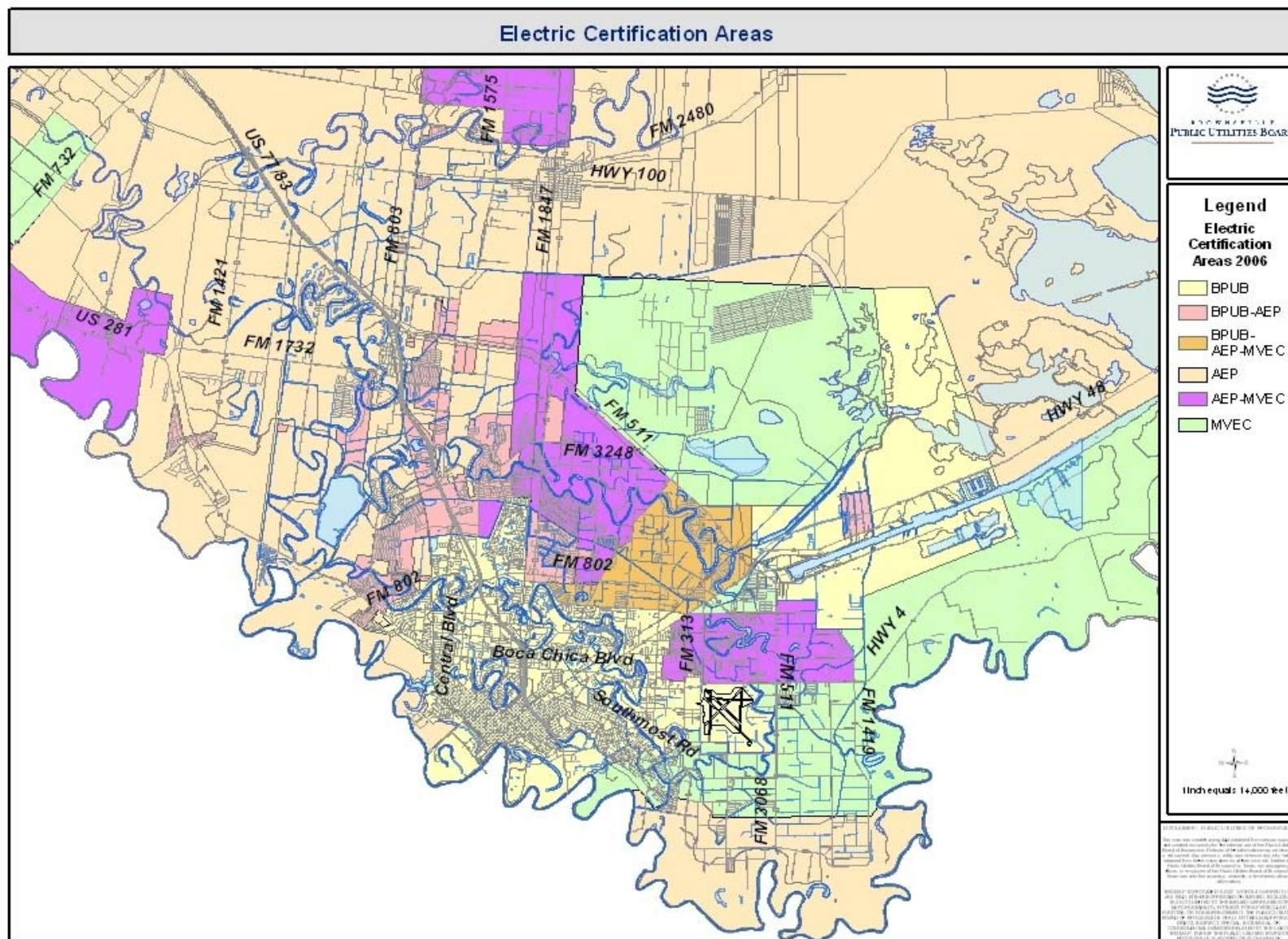
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MAP INDICATING WHERE BROWNSVILLE PUB IS LOCATED



Note: The above map is provided for geographical reference purposes only. BPUB's service area is in Brownsville, Cameron County, Texas and does not include Mexico.

Appendix A-419 -



GLOSSARY

A/P – Accounts Payable

A/R – Accounts Receivable

Account – A basis for distinguishing types of expenses or expenditures.

Accrual – The method of accounting that recognizes income when earned and expenses when incurred regardless of when cash is received or disbursed.

ACH – Automated Clearing House; name of the network used for electronic financial transactions.

AMI – Automated Metering Infrastructure

AMR – Automated Meter Reading

ARRA – American Recovery and Reinvestment Act of 2009 is a nationwide effort to create jobs, jumpstart growth and transform our economy to compete in the 21st century signed into effect February 17, 2009.

Asset – A property that has value.

AST – Above-ground storage tank

Balanced Budget – a budget in which forward expenditures for a set period are matched by expected revenues for the same period.

BANNER 9.3.6 – 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).

CEMS – Continuous Emission Monitoring System

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.

GLOSSARY

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.

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.

GLOSSARY

EPA – Environmental Protection Agency; federal government agency charged with protecting and safeguarding human health and the natural environment (www.epa.gov).

ERCOT – Electric Reliability Council of Texas; Texas State Agency in charge of directing and ensuring the reliable and cost-effective operation of the electric grid and to enable fair and efficient market driven solutions to meet the customers' electric service needs (www.ercot.com).

ERM – Energy Risk Management

Expense – A use of financial resources to acquire goods or services consumed in a single year's current operations.

Federal Deposit Insurance Corporation (FDIC) – An independent agency created by Congress that maintains the stability and public confidence in the nation's financial system by insuring deposits, examining and supervising financial institutions, and managing receiverships (www.fdic.gov).

Feeder – That portion of the circuit that is protected by the breaker up to any protective device excluding branches.

FERC – Federal Energy Regulatory Commission

Fiscal Year (FY) – A consecutive 12-month period marking the beginning and ending dates for recording financial transactions. The Brownsville PUB's fiscal year begins October 1 and ends September 30 of the following calendar year. This is also referred to as the budget year.

FS – Financial Statements

FTE – Full Time Employee working 40 hours per week.

Fuel & Purchased Energy Charge (FPEC) – An electric cost adjustment is the mechanism that tracks and passes through to customers the actual cost of purchased fuel or purchased electricity. The Brownsville PUB meets on a monthly basis to make FPEC adjustments if actual costs vary from forecasted prices. Adjustments can be decreased or increased.

Fund Obligation – Repair and Contingency - Funds set aside for unforeseen circumstances.

FY – See "Fiscal Year".

GASB - The Governmental Accounting Standards Board; Governmental Board organized in 1984 as an operating entity of the Financial Accounting Foundation (FAF) to establish standards of financial accounting and reporting for state and local governmental entities (www.gasb.org).

GAAP - Generally Accepted Accounting Principles; the conventions, rules, and procedures necessary to define an accepted accounting practice at a particular time. The principles have been developed on the basis of experience, custom, usage, and to a significant extent, practical necessity.

GLOSSARY

GFOA – Government Finance Officers Association; organization that enhances and promotes the professional management of governments for the public benefit by identifying and developing financial policies and practices and promoting them through education, training and leadership (www.gfoa.org).

GIS – Geographic Information System; software system that manages the geographic information of the company.

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.

HHV – Higher Heating Value

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.

IVR – Interactive Voice Response

JEs – Journal Entries

JMUX – (Brand name) Electronic System used to control the fiber optic system.

Junior lien – See “lien obligations”.

Kilovolt (kV) – 1,000 volts.

GLOSSARY

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.

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).

NERC – North American Electric Reliability Corporation

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.

GLOSSARY

Oklaunion - 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.

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.

GLOSSARY

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).

Proprietary Fund – Fund used to account for operations that are financed and operated in a manner similar to private business enterprises where the intent is to recover the cost of operations through user charges.

PUB – See “BPUB”.

Public Utility Commission of Texas (PUCT) – agency that regulates the rates and services of electric, water and wastewater utilities, as defined by state and Federal laws and regulations (www.puc.state.tx.us).

Purview – Scope or range.

QA – Quality assurance

QC – Quality control

Ratings – Alpha and/or numeric symbols used to give indications of relative credit quality. In the municipal market these designations are published by the investors’ rating services. Internal ratings are also used by other market participants to indicate relative credit quality.

Resaca - Resacas were former channels of the Rio Grande River. Today, they serve as water storage pools as well as habitats for waterfowl, nutria, gar and even alligators; a body of water or water body.

Revenue Bonds – Securities for which debt service payments are generated from a specific revenue source.

Reverse Osmosis – A process by which a solvent such as water is purified of solutes by being forced through a semi-permeable membrane through which the solvent, but not the solutes, may pass.

Revenue Neutral – No gain or loss in revenues.

RTU – Remote Terminal Unit

SCADA – Supervisory Control and Data Acquisition System; a computer system used to control and monitor power generation; electric, gas, and water transmission and distribution; and wastewater collection.

Senior Lien – See “lien obligations”.

GLOSSARY

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.

Southmost Regional Water Authority (SRWA) – The largest such facility in Texas, the regional reverse osmosis plant uses state-of-the-art reverse osmosis (RO) technology to treat previously untapped and unusable brackish groundwater resources as an alternative water supply.

Strategic Management (Strategic Plan) – A type of management to determine mission, vision, values, goals, objectives, roles and responsibilities, timelines, etc.

Subordinate Lien – See “lien obligations”.

Substations – Electric facility where electrical energy is taken from either the transmission or sub-transmission system and transformed from a higher voltage down to a distribution voltage.

Summary Letter – The opening section of the budget, which provides the Brownsville PUB Board and public with a general summary of the most important aspects of the budget. The message explains principal budget issues against the background of financial experience in recent years, and presents the views and recommendations of the General Manager & CEO and Chief Financial Officer.

Supplemental O&M – O&M expenses separate from and in addition to the current O&M Budget. These consist of new positions, promotions and reclassifications, maintenance pool account, personnel market pay study adjustment, cost of living, and the new internal auditor positions.

Swap – A contract between two parties to swap a series of commitments over a defined period. The commitments which are exchanged are generally an obligation to make one or more payments or the right to receive one or more payments.

T&D – Transmission and Distribution

TBD – To Be Determined

TCEQ – Texas Commission for Environmental Quality is the environmental agency for the State of Texas (www.tceq.state.tx.us).

TCI – Tele-Communications Inc.; Time Warner Communications.

TCOS – Transmission Cost of Service; cost of transmission between utilities.

TDSP – Transmission & Distribution Service Provider

GLOSSARY

TPDES – Texas Pollutant Discharge Elimination System; refer to the following web address:
http://www.tceq.state.tx.us/permitting/water_quality/wastewater/pretreatment/tpdes_definition.html.

TSS – Total Suspended Solids

TWDB – Texas Water Development Board; state agency providing leadership, planning, financial assistance, information, and education for the conservation and responsible development of water resources for the State of Texas (www.twdb.state.tx.us).

TXDOT – Texas Department of Transportation; state agency providing safe, effective, and efficient movement of goods within the State of Texas (www.dot.state.tx.us).

UPS – Uninterruptible Power Supply

Uses of Funds – The Uses of Funds identifies how the Brownsville PUB spends the cash it receives. There are nine major categories of cash uses: electric fuel & energy costs, SRWA (the Authority), personnel O&M expenses, non-personnel O&M expenses, other non-operating expenses, debt service fund, city cash transfer, operating & improvement reserves, and CIP funding. The largest use of cash is for operational expenses (labor, fuel, and other expenses) related to the day-to-day operation and maintenance of the Brownsville PUB. The amount of operating cash used to pay for capital projects is also identified. Debt service fund represent the principal and interest payments for the outstanding and planned bond issues. The remaining uses of cash include city cash transfer and operating & improvement reserves.

UST – Underground Storage Tank.

Utility Manager System (UMS) – Software that manages the customer accounts for electric, water and wastewater utilities. The UMS is the primary billing system for the Brownsville PUB.

Vacancy Savings – Personnel account used to allow for the effects of attrition through resignations of employees and non-hiring of currently vacant positions.

Watt – The rate of work represented by a current of one ampere under a pressure of one volt and taken as the standard in the United States.

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Financial Trends

These schedules contain trend information to help the reader understand how the Brownsville PUB's financial performance and well-being has changed over time.

**FINANCIAL TRENDS
BALANCE SHEETS
September 30 - Audited**

Assets	2018	2017	2016	2015	2014
Current assets:					
Cash and cash equivalents	\$ 8,641,996	\$ 17,780,938	\$ 13,866,339	\$ 17,388,130	\$ 11,550,966
Investments	39,730,906	34,478,780	32,902,513	33,272,295	39,630,676
Receivables:					
Fees and services, net of allowance for uncollectible accounts	25,771,130	24,508,993	26,884,759	27,021,238	29,279,146
Intergovernmental	683,514	604,840	1,031,803	1,726,949	1,850,811
Accrued interest receivable	664,697	352,443	290,539	217,446	154,031
Inventories	9,821,443	9,298,749	10,722,092	12,707,550	9,644,919
Prepays	749,246	1,039,157	1,237,627	818,732	777,414
Total unrestricted current assets	<u>86,062,932</u>	<u>88,063,900</u>	<u>86,935,672</u>	<u>93,152,340</u>	<u>92,887,963</u>
Current restricted assets:					
Cash and cash equivalents	1,302,943	7,133,368	3,741,927	1,686,638	8,944,616
Investments	153,814,266	147,966,425	145,626,918	120,925,178	101,818,933
Total restricted current assets	<u>155,117,209</u>	<u>155,099,793</u>	<u>149,368,845</u>	<u>122,611,816</u>	<u>110,763,549</u>
Total current assets	<u>241,180,141</u>	<u>243,163,693</u>	<u>236,304,517</u>	<u>215,764,156</u>	<u>203,651,512</u>
Non-current assets:					
Capital assets, net of accumulated depreciation	637,087,106	634,289,707	641,099,073	644,891,122	639,771,354
Bond issue costs and other assets	2,233,891	2,443,254	2,532,550	3,028,289	3,346,795
Total non-current assets	<u>639,320,997</u>	<u>636,732,961</u>	<u>643,631,623</u>	<u>647,919,411</u>	<u>643,118,149</u>
Total assets	<u>\$ 880,501,138</u>	<u>\$ 879,896,654</u>	<u>\$ 879,936,140</u>	<u>\$ 863,683,567</u>	<u>\$ 846,769,661</u>
Deferred Outflows of Resources					
Deferred charge on refunding	19,064,475	19,852,284	20,993,617	17,362,665	17,228,343
Deferred charge - fuel cost under recovery	-	364,158	-	3,110,446	-
Deferred outflows related to pension	5,224,834	9,399,260	11,011,401	3,854,651	-
Deferred outflows related to OPEB	120,788	13,332	-	-	-
Total deferred outflows of resources	<u>24,410,097</u>	<u>29,629,034</u>	<u>32,005,018</u>	<u>24,327,762</u>	<u>17,228,343</u>
Total assets plus deferred outflows of resources	<u>\$ 904,911,235</u>	<u>\$ 909,525,688</u>	<u>\$ 911,941,158</u>	<u>\$ 888,011,329</u>	<u>\$ 863,998,004</u>

continued

BALANCE SHEETS - Continued
September 30 - Audited

Liabilities	2018	2017	2016	2015	2014
Current liabilities:					
Accounts payable	\$ 17,677,934	\$ 16,201,137	\$ 16,229,882	\$ 17,591,319	\$ 18,516,083
Accrued vacation and sick leave	7,063,301	6,830,450	6,140,311	6,008,007	6,015,657
Due to primary government	3,276,018	3,104,705	2,748,853	2,772,669	2,362,426
Self insurance worker's compensation claims	116,232	122,571	90,870	143,657	52,999
Total unrestricted current liabilities	<u>28,133,485</u>	<u>26,258,863</u>	<u>25,209,916</u>	<u>26,515,652</u>	<u>26,947,165</u>
Current liabilities payable from restricted assets:					
Accounts payable and accrued liabilities	253,769	343,629	503,649	358,434	3,526,180
Accrued interest	1,086,109	1,124,920	1,169,743	1,262,928	1,232,647
Customer deposits	4,520,226	4,013,140	3,863,989	3,763,074	3,527,889
Current portion of revenue bonds payable	15,295,000	14,806,000	14,239,000	13,453,000	13,306,000
Commercial paper	20,000,000	14,000,000	7,000,000	-	13,000,000
Total current liabilities payable from restricted assets	<u>41,155,104</u>	<u>34,287,689</u>	<u>26,776,381</u>	<u>18,837,436</u>	<u>34,592,716</u>
Total current liabilities	<u>69,288,589</u>	<u>60,546,552</u>	<u>51,986,297</u>	<u>45,353,088</u>	<u>61,539,881</u>
Non-current liabilities:					
Revenue bonds payable net of unamortized premium and deferred refunding	297,585,319	314,612,871	331,348,392	342,796,806	336,523,002
Other post-employment benefits	22,305,496	21,776,739	8,674,722	7,866,350	6,970,707
Net pension liability	25,431,824	34,632,949	33,941,014	13,816,408	-
Self insurance worker's compensation claims	51,556	17,113	42,425	69,077	62,216
Total non-current liabilities	<u>345,374,195</u>	<u>371,039,672</u>	<u>374,006,553</u>	<u>364,548,641</u>	<u>343,555,925</u>
Total liabilities	<u>414,662,784</u>	<u>431,586,224</u>	<u>425,992,850</u>	<u>409,901,729</u>	<u>405,095,806</u>
Deferred Inflows of Resources					
Deferred credit – fuel cost over recovery	218,812	-	303,078	-	1,311,848
Deferred inflows related to pension	5,518,625	1,676,487	2,383,320	2,009,154	-
Deferred inflows related to OPEB	981,517	-	-	-	-
Total deferred inflows of resources	<u>6,718,954</u>	<u>1,676,487</u>	<u>2,686,398</u>	<u>2,009,154</u>	<u>1,311,848</u>
Total liability plus deferred inflows of resources	<u>421,381,738</u>	<u>433,262,711</u>	<u>428,679,248</u>	<u>411,910,883</u>	<u>406,407,654</u>
Net position					
Net investment in capital assets	324,102,703	311,666,705	310,655,228	308,013,036	297,471,707
Restricted	149,003,797	149,407,127	143,796,243	117,120,117	103,988,323
Unrestricted	<u>10,422,997</u>	<u>15,189,145</u>	<u>28,810,439</u>	<u>50,967,293</u>	<u>56,130,320</u>
Total net position	<u>483,529,497</u>	<u>476,262,977</u>	<u>483,261,910</u>	<u>476,100,446</u>	<u>457,590,350</u>
Total liabilities and net position	<u>\$ 904,911,235</u>	<u>\$ 909,525,688</u>	<u>\$ 911,941,158</u>	<u>\$ 888,011,329</u>	<u>\$ 863,998,004</u>

FINANCIAL TRENDS
STATEMENTS OF REVENUES, EXPENSES, AND CHANGES IN NET POSITION
LAST TEN FISCAL YEARS

	2018	2017	2016	2015	2014	2013 Restated	2012	2011	2010	2009
Operating revenues:										
Sales and services charges	224,167,301	220,877,502	207,550,223	207,767,498	192,061,381	170,446,499	169,799,255	172,360,843	158,868,186	168,184,958
Less utilities service to the City of Brownsville, Texas	(4,548,724)	(4,629,113)	(4,804,112)	(4,809,741)	(4,839,630)	(4,274,184)	(4,228,001)	(4,278,285)	(4,069,336)	(4,227,572)
Total operating revenues	219,618,577	216,248,389	202,746,111	202,957,757	187,221,751	166,172,315	165,571,254	168,082,558	154,798,850	163,957,386
Operating expenses:										
Purchased power and fuel	63,090,839	62,733,293	55,451,964	65,220,979	66,941,752	53,915,199	48,039,343	52,502,812	53,527,194	58,653,859
Personnel services	41,105,177	40,867,688	49,076,784	33,302,525	32,821,858	30,615,677	27,962,188	27,387,747	26,024,535	25,136,209
Materials and supplies	8,277,531	7,790,646	6,960,626	7,347,093	7,376,475	7,432,636	7,276,419	7,160,977	6,444,102	6,537,270
Repairs and maintenance	4,539,605	2,269,312	2,666,119	2,983,094	3,688,413	2,029,564	2,794,117	3,234,646	3,105,675	1,346,455
Contractual and other services	26,131,662	23,753,428	24,443,206	21,521,617	19,152,582	19,319,359	18,971,803	18,166,393	19,570,071	21,064,567
Rate Stabilization	25,900,000	24,200,000	10,525,000	-	-	-	-	-	-	-
Depreciation	30,786,496	30,193,819	29,063,661	29,507,267	28,409,046	27,366,045	23,601,822	28,269,982	25,555,305	24,663,486
Total operating expenses	199,831,310	191,808,186	178,187,360	159,882,575	158,390,126	140,678,480	128,645,692	136,722,557	134,226,882	137,401,846
Operating income	19,787,267	24,440,203	24,558,751	43,075,182	28,831,625	25,493,835	36,925,562	31,360,001	20,571,968	26,555,540
Nonoperating revenues (expenses):										
Investment and interest income	3,328,846	1,703,055	1,202,314	841,219	532,650	564,334	672,133	628,698	840,533	1,812,166
Operating grant revenues	-	25,000	-	-	-	-	(15,579,814)	(16,131,381)	(16,514,764)	(16,819,279)
Interest expense	(13,259,790)	(13,811,909)	(14,743,208)	(14,509,231)	(15,108,927)	(15,653,933)	-	-	-	-
Loss on disposition of capital assets	282,315	(3,356,511)	(1,019,326)	(3,577,605)	(1,028,494)	(116,447)	(1,417,327)	(359,218)	(140,401)	(156,987)
Other	1,251,543	39,543	457,298	1,598,769	1,212,924	(1,483,565)	(581,763)	(2,157,129)	11,086,396	522,676
Payments to City of Brownsville	(11,090,234)	(10,666,207)	(9,822,602)	(9,040,104)	(7,613,475)	(7,188,692)	(7,738,354)	(7,488,261)	(7,569,772)	(6,381,331)
Net nonoperating revenues (expenses)	(19,487,320)	(26,067,029)	(23,925,524)	(24,686,952)	(22,005,322)	(23,878,303)	(24,645,125)	(25,507,291)	(12,298,008)	(21,022,755)
Income before capital contributions	299,947	(1,626,826)	633,227	18,388,230	6,826,303	1,615,532	12,280,437	5,852,710	8,273,960	5,532,785
Capital contributions	6,966,573	6,884,887	6,528,237	12,965,169	18,647,790	20,075,404	14,223,651	20,807,252	21,734,690	4,803,981
Change in net position	7,266,520	5,258,061	7,161,464	31,353,399	25,474,093	21,690,936	26,504,088	26,659,962	30,008,650	10,336,766
Net position, beginning of year	476,262,977	483,261,910	476,100,446	457,590,350	432,116,257	410,425,321	383,921,233	357,261,271	327,252,621	317,689,174
Prior Period Adjustment	-	(12,256,994)	-	(12,843,303)	-	-	-	-	-	(773,319)
Net position, beginning of year as restated	476,262,977	471,004,916	476,100,446	444,747,047	432,116,257	410,425,321	383,921,233	357,261,271	327,252,621	316,915,855
Net position, end of year	483,529,497	476,262,977	483,261,910	476,100,446	457,590,350	432,116,257	410,425,321	383,921,233	357,261,271	327,252,621

Revenue Capacity

**These schedules contain information to help the reader assess the
Brownsville PUB's local revenue source.**

REVENUE CAPACITY
AVERAGE NUMBER OF SERVICES BILLED BY UTILITY¹
LAST TEN YEARS

FY	ELECTRIC	% CHANGE	WATER	% CHANGE	WASTEWATER	% CHANGE
2019	50,209	1.52%	51,441	1.32%	52,137	1.50%
2018	49,455	1.50%	50,771	1.23%	51,366	2.06%
2017	48,726	1.10%	50,153	1.12%	50,329	1.28%
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%

¹Municipal customers not included in average number of services billed

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**REVENUE CAPACITY
REVENUES BY UTILITY - LAST TEN YEARS**

	FY 2018	FY 2017	FY 2016	FY 2015	FY 2014
ELECTRIC					
Residential	\$ 73,026,444	\$ 71,288,035	\$ 63,681,205	\$ 64,980,210	\$ 63,035,376
Commercial	74,781,316	74,770,246	68,559,278	71,696,062	68,505,305
Municipal	3,579,766	3,630,779	3,846,235	4,035,358	3,916,022
Wholesale sales	11,067,351	9,348,488	16,397,987	12,182,728	921,782
Other	11,222,724	11,593,857	7,458,124	9,325,630	9,792,100
<i>Total Electric Operating Revenues</i>	<u>\$ 173,677,601</u>	<u>\$ 170,631,405</u>	<u>\$ 159,942,829</u>	<u>\$ 162,219,988</u>	<u>\$ 146,170,585</u>
WATER					
Inside city	\$ 24,048,925	\$ 23,879,301	\$ 21,796,229	\$ 20,340,255	\$ 20,594,551
Outside city	848,947	873,877	811,938	777,023	766,496
Municipal	643,536	668,247	624,615	514,875	618,616
Other	998,603	1,029,823	1,111,918	1,342,068	1,162,867
Southmost Regional Water Authority	490,392	480,808	466,928	447,797	488,079
<i>Total Water Operating Revenues</i>	<u>\$ 27,030,403</u>	<u>\$ 26,932,056</u>	<u>\$ 24,811,628</u>	<u>\$ 23,422,018</u>	<u>\$ 23,630,609</u>
WASTEWATER					
Residential	\$ 14,033,891	\$ 14,021,992	\$ 13,728,898	\$ 13,251,741	\$ 13,578,070
Commerical	7,129,594	7,141,687	6,949,099	6,841,017	6,712,829
Municipal	325,425	330,087	333,262	259,508	304,992
Outside city	1,416,201	1,258,935	1,208,890	1,181,106	1,087,237
Other	554,186	561,340	575,617	592,120	577,059
<i>Total Wastewater Operating Revenues</i>	<u>\$ 23,459,297</u>	<u>\$ 23,314,041</u>	<u>\$ 22,795,766</u>	<u>\$ 22,125,492</u>	<u>\$ 22,260,187</u>
TOTAL SALES AND SERVICE CHARGES	<u><u>\$ 224,167,301</u></u>	<u><u>\$ 220,877,502</u></u>	<u><u>\$ 207,550,223</u></u>	<u><u>\$ 207,767,498</u></u>	<u><u>\$ 192,061,381</u></u>

	FY 2013	FY 2012	FY 2011	FY 2010	FY 2009
ELECTRIC					
Residential	\$ 51,861,710	\$ 48,562,146	\$ 50,187,194	\$ 47,971,715	\$ 46,515,011
Commercial	59,576,916	54,952,907	55,235,857	55,336,855	55,839,361
Municipal	3,336,413	3,157,165	3,454,302	3,420,281	3,551,221
Wholesale sales	237,173	605,125	3,124,675	5,532,956	6,268,813
Other	8,925,031	16,626,285	15,491,119	7,008,117	14,114,934
<i>Total Electric Operating Revenues</i>	<u>\$ 123,937,243</u>	<u>\$ 123,903,628</u>	<u>\$ 127,493,147</u>	<u>\$ 119,269,924</u>	<u>\$ 126,289,340</u>
WATER					
Inside city	\$ 20,333,223	\$ 20,389,340	\$ 19,901,457	\$ 17,448,496	\$ 18,909,283
Outside city	735,224	699,401	675,821	581,350	419,261
Municipal	617,202	686,274	587,860	464,828	487,526
Other	1,054,328	1,032,247	1,140,972	971,331	771,705
Southmost Regional Water Authority	1,023,081	428,572	367,143	469,462	355,486
<i>Total Water Operating Revenues</i>	<u>\$ 23,763,058</u>	<u>\$ 23,235,834</u>	<u>\$ 22,673,253</u>	<u>\$ 19,935,467</u>	<u>\$ 20,943,261</u>
WASTEWATER					
Residential	\$ 14,135,642	\$ 14,128,726	\$ 13,858,701	\$ 12,002,652	\$ 13,046,933
Commercial	6,734,506	6,713,307	6,565,949	6,171,734	6,384,964
Municipal	320,569	384,562	236,123	184,228	188,825
Outside city	1,050,009	984,754	1,042,823	908,149	933,894
Other	505,472	448,444	490,847	396,032	397,741
<i>Total Wastewater Operating Revenues</i>	<u>\$ 22,746,198</u>	<u>\$ 22,659,793</u>	<u>\$ 22,194,443</u>	<u>\$ 19,662,795</u>	<u>\$ 20,952,357</u>
TOTAL SALES AND SERVICES CHARGES	<u><u>\$ 170,446,499</u></u>	<u><u>\$ 169,799,255</u></u>	<u><u>\$ 172,360,843</u></u>	<u><u>\$ 158,868,186</u></u>	<u><u>\$ 168,184,958</u></u>

REVENUE CAPACITY
UNIT SALES BY UTILITY - LAST TEN YEARS ¹

	FY 2018	FY 2017	FY 2016	FY 2015	FY 2014
ELECTRIC SERVICE (kWh)					
Residential	588,862,015	578,938,532	564,931,382	551,304,652	567,334,136
Commercial Non-Demand	136,319,294	139,381,802	135,844,893	128,892,385	132,918,707
Municipal	39,237,875	39,785,043	39,500,507	38,995,522	39,371,016
Commercial Demand	552,028,532	560,113,317	557,349,627	554,994,514	558,708,943
Other	2,390,778	2,478,672	2,403,423	2,227,059	2,226,006
<i>Total Electric Unit Sales</i>	<u>1,318,838,494</u>	<u>1,320,697,366</u>	<u>1,300,029,832</u>	<u>1,276,414,132</u>	<u>1,300,558,808</u>
WATER SERVICE - 1,000 GALLONS					
Inside City	5,743,114	5,832,446	5,560,741	5,281,931	5,753,783
Outside City	158,189	157,297	155,104	148,956	155,398
Municipal	162,477	167,724	158,741	122,006	176,477
Other	588,476	525,154	465,077	461,178	506,676
<i>Total Water Unit Sales</i>	<u>6,652,256</u>	<u>6,682,621</u>	<u>6,339,663</u>	<u>6,014,071</u>	<u>6,592,334</u>
WASTEWATER SERVICE - 1,000 GALLONS					
Residential	2,745,874	2,804,793	2,709,033	2,554,154	2,795,399
Commercial	1,649,892	1,662,288	1,601,296	1,560,177	1,604,591
Municipal	76,447	77,545	78,448	58,998	74,464
Outside City	111,471	123,065	111,277	106,175	118,228
Other	-	-	-	-	-
<i>Total Wastewater Unit Sales</i>	<u>4,583,684</u>	<u>4,667,691</u>	<u>4,500,054</u>	<u>4,279,504</u>	<u>4,592,682</u>
	FY 2013	FY 2012	FY 2011	FY 2010	FY 2009
ELECTRIC SERVICE					
Residential	533,303,461	550,169,186	550,421,195	528,459,863	500,830,035
Commercial Non-Demand	134,939,048	136,833,986	136,117,506	131,502,719	131,592,355
Municipal	38,895,227	38,876,114	39,038,235	38,912,608	38,693,875
Commercial Demand	570,125,749	577,866,685	552,274,846	547,906,595	538,603,116
Other	2,232,972	2,234,448	2,188,674	2,183,004	2,156,058
<i>Total Electric Unit Sales</i>	<u>1,279,496,457</u>	<u>1,305,980,419</u>	<u>1,280,040,456</u>	<u>1,248,964,789</u>	<u>1,211,875,439</u>
WATER SERVICE					
Inside City	6,294,433	6,269,037	6,431,432	5,488,648	6,117,159
Outside City	161,450	150,957	159,187	138,846	147,236
Municipal	189,804	223,176	190,732	129,757	153,402
Other	555,452	582,502	576,616	524,299	581,193
<i>Total Water Unit Sales</i>	<u>7,201,139</u>	<u>7,225,672</u>	<u>7,357,967</u>	<u>6,281,550</u>	<u>6,998,990</u>
WASTEWATER SERVICE					
Residential	3,036,404	3,024,487	3,102,690	2,605,256	2,930,048
Commercial	1,677,306	1,659,010	1,703,770	1,597,067	1,654,968
Municipal	80,169	98,579	60,720	45,905	47,571
Outside City	122,924	118,546	125,817	107,481	117,281
Other	3,671	6,197	6,861	8,248	8,579
<i>Total Wastewater Unit Sales</i>	<u>4,920,474</u>	<u>4,906,819</u>	<u>4,999,858</u>	<u>4,363,957</u>	<u>4,758,447</u>

¹ Excludes Public Utilities Board's usage

**REVENUE CAPACITY
TEN YEAR RATE ANALYSIS
RESIDENTIAL RATES**

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
ELECTRIC ¹										
Customer Service Charge	\$ 6.94	\$ 6.94	\$ 6.94	\$ 6.49	\$ 6.01	\$ 5.62	\$ 5.25	\$ 3.53	\$ 3.53	\$ 2.53
Energy Charge										
First 500 kWh	0.0542	0.0542	0.0542	0.05241	0.05022	0.04862	0.04708	0.04708	0.04708	0.04708
Over 500 kWh	0.07688	0.07688	0.07688	0.07058	0.06458	0.05964	0.05479	0.05152	0.04708	0.04708
Fuel & Purchased Power	0.02952	0.02952	0.02952	0.03401	0.04500	0.05096	0.04000	0.03200	0.04200	0.03500
WATER (Inside City) ²										
0-3,000 gallons	1.98	1.98	1.98	1.87	1.80	1.73	1.63	1.63	1.55	1.55
4,000-9,000 gallons	2.19	2.19	2.19	2.07	1.99	1.91	1.80	1.80	1.71	1.71
10,000 to 16,000 gallons	2.7	2.7	2.7	2.55	2.45	2.36	2.23	2.23	2.12	2.12
Over 16,000 gallons	4.08	4.08	4.08	3.85	3.70	3.56	3.36	3.36	3.20	3.20
Customer Service Charge										
5/8x3/4 Water Meter Size	12.06	12.06	12.06	11.38	10.94	10.52	9.93	9.93	9.47	9.47
WATER (Outside City) ²										
0-3,000 gallons	2.97	2.97	2.97	2.81	2.70	2.68	2.65	2.65	2.52	2.52
4,000-9,000 gallons	3.29	3.29	3.29	3.11	2.98	2.95	2.93	2.93	2.79	2.79
10,000 to 16,000 gallons	4.05	4.05	4.05	3.83	3.68	3.10	3.05	3.05	2.90	2.90
Over 16,000 gallons	6.12	6.12	6.12	5.78	5.55	4.60	4.56	4.56	4.34	4.34
Customer Service Charge										
5/8 x 3/4 Water Meter Size	18.12	18.12	18.12	17.09	16.43	15.8	14.90	14.90	14.21	14.21
SEWER (Inside City) ³										
0-7,000 gallons	3.43	3.43	3.43	3.43	3.43	3.30	3.29	3.29	3.13	3.13
over 7,000 gallons	3.76	3.76	3.76	3.76	3.76	3.62	3.57	3.57	3.40	3.40
Customer Service Charge										
5/8 x 3/4 Water Meter Size	7.48	7.48	7.48	7.48	7.48	7.19	7.17	7.17	6.84	6.84
SEWER (Outside City)										
Rate per 1,000 gallons	\$ 5.65	\$ 5.65	\$ 5.65	\$ 5.65	\$ 5.65	\$ 5.43	\$ 5.36	\$ 5.36	\$ 5.10	\$ 5.10
Customer Service Charge										
5/8 x 3/4 Water Meter Size	11.22	11.22	11.22	11.22	11.22	10.79	10.75	10.75	10.26	10.26

¹ Electric rates were tiered effective fiscal year 2012.

² Water rates were tiered effective fiscal year 2006.

³ Wastewater rates were tiered effective March 2007.

Note: The City Commission of the City of Brownsville, Texas is vested with the right to set utility rates.

Debt Capacity

These schedules present information to help the reader assess the Brownsville PUB's debt burden and its ability to issue additional debt in the future.

DEBT CAPACITY
COMPUTATION OF DEBT SERVICE COVERAGE - LAST TEN YEARS¹

	FY 2018	FY 2017	FY 2016	FY 2015	FY 2014
OPERATING INCOME	\$44,488,073	\$46,967,688	\$33,093,794	\$41,883,847	\$27,256,483
ADD:					
Depreciation Expense	29,536,134	28,949,302	28,132,537	28,642,402	27,544,181
Investment & Other Income	3,194,311	1,639,117	1,163,964	815,942	504,537
LESS:					
Interest on Construction Funds	(404,545)	(178,972)	(193,527)	(128,019)	(94,376)
NET AVAILABLE INCOME	<u>\$76,813,973</u>	<u>\$77,377,135</u>	<u>\$62,196,768</u>	<u>\$71,214,172</u>	<u>\$55,210,825</u>
DEBT SERVICE:					
Revenue Bonds Payable Current	\$13,456,000	\$12,914,000	\$12,173,000	\$12,066,000	\$10,100,000
Total Interest Expense	12,171,696	12,808,172	13,747,956	13,538,613	14,275,285
Operating Reserve	-	-	-	-	-
Commercial Paper Interest Expense	167,579	55,636	17,902	13,671	5,929
Capital Improvement Charges	-	-	-	-	-
NET CASH DEBT SERVICE	<u>\$25,795,275</u>	<u>\$25,777,808</u>	<u>\$25,938,858</u>	<u>\$25,618,284</u>	<u>\$24,381,214</u>
DEBT SERVICE COVERAGE (TIMES)	2.98	3.00	2.40	2.78	2.26

	FY 2013	FY 2012	FY 2011	FY 2010	FY 2009
OPERATING INCOME	\$21,947,648	\$32,747,013	\$27,225,798	\$31,287,495	\$22,931,849
ADD:					
Depreciation Expense	26,503,185	22,739,173	27,407,627	24,695,565	23,805,841
Investment & Other Income	546,098	654,057	611,866	829,400	1,789,499
LESS:					
Interest on Construction Funds	(8,823)	(13,501)	(41,141)	(54,790)	(211,610)
NET AVAILABLE INCOME	<u>\$48,988,108</u>	<u>\$56,126,742</u>	<u>\$55,204,150</u>	<u>\$56,757,670</u>	<u>\$48,315,579</u>
DEBT SERVICE:					
Revenue Bonds Payable Current	\$8,649,000	\$8,277,000	\$7,856,000	\$7,530,000	\$6,779,000
Total Interest Expense	15,310,103	14,399,174	14,829,065	15,186,316	15,216,696
Operating Reserve	-	-	-	-	-
Commercial Paper Interest Expense	14,356	39,891	36,668	34,755	-
Capital Improvement Charges	-	-	-	-	-
NET CASH DEBT SERVICE	<u>\$23,973,459</u>	<u>\$22,716,065</u>	<u>\$22,721,733</u>	<u>\$22,751,071</u>	<u>\$21,995,696</u>
DEBT SERVICE COVERAGE (TIMES)	2.04	2.47	2.43	2.49	2.20

¹Excludes Southmost Regional Water Authority and fuel supplement paid from restricted fuel adjustment subaccount.

Demographic and Economic Information

This schedule offers demographic and economic indicators to help the reader understand the environment in which the Brownsville PUB's financial activities take place

GENERAL INFORMATION REGARDING THE CITY

The information contained herein is relative to the City and the System service area is intended solely to provide a general description of the community served by the System and to provide certain information concerning the City.

GENERAL

The City is the county seat of Cameron County, Texas. It is the southernmost city in Texas and the largest city in the lower Rio Grande Valley. The City is located about 23 miles inland from the Gulf of Mexico, on the north bank of the Rio Grande River directly across from Matamoros, Mexico, which it joins by three international bridges. The City serves as a trade center for much of the lower Rio Grande Valley.

The City has a semi-arid, subtropical climate. The lower Rio Grande Valley has rich, fertile delta soil, much of which is irrigated. Crops consist of vegetables, cotton, grain, sugar cane and citrus. The vegetation is typical of the tropics with palms, bougainvillea, poinciana and many other flowering trees and plants. Throughout the area are citrus orchards, which bloom in February and ripen in October. It has only snowed twice in the City in the last 100 years 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 ⁽¹⁾</u>	<u>CAMERON COUNTY ⁽²⁾</u>
2016	184,865	422,137
2017	185,349	423,181
2018	186,646	423,908

⁽¹⁾ Estimate from US Census Bureau.

⁽²⁾ Population growth based on average historical rates.

INDUSTRIAL DEVELOPMENT

The major portion of the City's industrial jobs and related payroll has materialized since 1971. Industrial manufacturing is rapidly becoming the primary base of economic growth, causing additional residential and commercial development.

Industries which are represented in the City include offshore drilling platforms, chemicals, electronics, communications components, ship dismantling, shrimp processing, paper and plastic bags, fluorspar, engineering, industrial engines, tool-die service, plastic injection molding, industrial services, and the manufacturing of fiberglass swimming pool accessories, corrugated boxes, utility buildings, marble vanities, fiberglass boats, appliances, automotive products, drill bits, apparel, fire and safety equipment and shrimp boats. A sampling of corporations includes Carling Technologies, Inc., CK Technologies, CTS Corporation, Dipasa US Inc., Fisher Dynamics, General Motors Corp., Gobar Systems, Keppel AmFels, National Electric Coil Division, ORC Industries, Polibrid Coatings, SaintGobain Corporation, Tella Tool, and Trico Products Corporation.

The following companies either started up or expanded operations in Brownsville/Matamoros:

Airpax Corporation (N.A. Philips)	AMFELS, Inc.
Antique Street Lamps, Inc.	AT&T Microelectronics
Border Alliance, SA de CV (Subcontractor)	Breed Automotive
Butternut Electronics	Eaton Corporation
FAMSA (Mitsubishi International Corp.)	Fort Brown Manufacturing
Gateway Services, Inc.	Levi Strauss & Co.
Hunter Fan, Inc.	Magnetek-Louis Allis Motor Controls
Magnetek-Hesgon Division	Austin Star Detonator
Magnetek-National Electric Coil	Northern Electric (NECO)
Magnetek-Universal Div.	Olson Metal Products
Nova/Link (shelter/subcontractor)	Rapid Design Service, Inc.
Panasonic Industrial Corp	Unique Molded Products
Yount Int'l, Ltd. (subcontracting)	Roca Construction
RGV Shelter Assoc. (Shelter)	Summit Polymers
Rohm & Haas Latin America, Inc.	Teccor Electronics (Ranco)
Synchro Mechanisms of America	Trico Technologies Corporation
Therma-Tru Corp.	Space-X

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The following table lists the principal employers in the System service area.

MAJOR EMPLOYERS CITY OF BROWNSVILLE

	<u>NAME</u>	<u>CLASSIFICATION</u>	<u>EMPLOYEES</u>
1	Brownville ISD	Education	6652
2	Cameron County	Government	1940
3	University of Texas Rio Grande Valley	Higher Education	1240
4	City of Brownsville	Government	1237
5	Abundant Life Home Health	Medical Healthcare	1200
6	Caring For You Home Health	Medical Healthcare	1120
7	H-E-B Grocery	Retail	1113
8	Wal-Mart	Retail	850
9	Valley Baptist Medical Center	Medical Healthcare	783
10	Valley Regional Medical Center	Medical Healthcare	750

Source: City of Brownsville
Brownsville Economic Development Council

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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
2018	186,646	15,030	2,805,289	30.3	64.1%-High School 18.8%-Bachelor's Degree	45,578	5.20%
2017	185,349	14,683	2,721,479	30.7	63.8%-High School 18.0%-Bachelor's Degree	46,880	5.80%
2016	184,865	14,489	2,678,509	30.6	64.1%-High School 17.5%-Bachelor's Degree	47,749	6.60%
2015	183,046	14,124	2,585,342	29.8	63.1%-High School 17.2%-Bachelor's Degree	47,717	6.50%
2014	181,860	14,167	2,576,411	29.3	64.3%-High School 18.4%-Bachelor's Degree	48,248	8.10%
2013	180,097	13,556	2,441,395	29.5	61.8%-High School 15.7%-Bachelor's Degree	49,274	10.30%
2012	175,023	12,900	2,257,797	29.5	60.3%-High School 15.0%-Bachelor's Degree	49,271	10.50%
2011	175,023	12,917	2,260,772	29.5	60.2%-High School 15.6%-Bachelor's Degree	49,587	12.40%
2010	175,023	11,824	2,069,472	27.0	58.5%-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%

*Population Estimates U.S. Census Bureau

SOURCES:

Brownsville Independent School District
U.S. Census Bureau
U.S. Bureau of Economic Analysis

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Operating Information

These schedules contain service and infrastructure data to help the reader understand how the information in the Brownsville PUB's Budget and CAFR relate to the service Brownsville PUB provides and the activities it performs

OPERATING INFORMATION
EXPENSES BY UTILITY – LAST TEN YEARS

	FY 2018	FY 2017	FY 2016	FY 2015
ELECTRIC				
Generation and Purchases for Resale	\$ 74,337,732	\$ 70,496,415	\$ 63,120,545	\$ 72,523,667
Transmission and Distribution	7,130,981	6,965,840	6,912,082	6,499,004
Administrative and General	28,859,844	29,431,623	34,583,521	21,524,432
Rate Stabilization	25,900,000	24,200,000	10,525,000	-
Depreciation	15,978,408	15,986,715	15,069,917	14,887,881
Total Electric Operating Expenses	<u>\$ 152,206,965</u>	<u>\$ 147,080,593</u>	<u>\$ 130,211,065</u>	<u>\$ 115,434,984</u>
WATER				
Plant Operations	\$ 5,782,746	\$ 4,427,577	\$ 5,129,025	\$ 5,581,020
Transmission and Distribution	3,416,818	3,260,832	3,082,104	2,901,226
Administrative and General	6,411,935	6,126,023	7,250,855	5,141,431
Depreciation	5,039,447	4,894,699	5,116,669	5,622,967
Total Water Operating Expenses	<u>\$ 20,650,946</u>	<u>\$ 18,709,131</u>	<u>\$ 20,578,653</u>	<u>\$ 19,246,644</u>
WASTEWATER				
Plant Operations	\$ 6,774,909	\$ 6,530,394	\$ 6,526,539	\$ 6,417,406
Transmission and Distribution	808,444	772,747	837,287	1,160,632
Administrative and General	6,049,418	6,051,881	7,667,223	5,502,973
Depreciation	8,518,279	8,067,888	7,945,949	8,131,553
Total Wastewater Operating Expenses	<u>\$ 22,151,050</u>	<u>\$ 21,422,910</u>	<u>\$ 22,976,998</u>	<u>\$ 21,212,564</u>
SOUTHMOST REGIONAL WATER AUTHORITY				
Administration and General	\$ 3,572,989	\$ 3,351,035	\$ 3,489,520	\$ 3,123,518
Depreciation	1,250,362	1,244,517	931,124	864,865
Total SRWA Operating Expenses	<u>\$ 4,823,351</u>	<u>\$ 4,595,552</u>	<u>\$ 4,420,644</u>	<u>\$ 3,988,383</u>
TOTAL OPERATING EXPENSES	<u>\$ 199,832,312</u>	<u>\$ 191,808,186</u>	<u>\$ 178,187,360</u>	<u>\$ 159,882,575</u>
OTHER NONOPERATING REVENUES (EXPENSES)¹	<u>\$ (8,397,087)</u>	<u>\$ (15,400,823)</u>	<u>\$ (14,102,922)</u>	<u>\$ (15,646,848)</u>

FY 2014	FY 2013	FY 2012	FY 2011	FY 2010	FY 2009
\$ 73,010,092	\$ 58,343,217	\$ 54,353,235	\$ 60,519,100	\$ 64,165,188	\$ 67,454,789
6,284,873	6,305,706	6,347,120	5,464,375	4,624,680	4,611,675
20,437,763	20,656,916	18,697,201	16,918,463	16,366,264	16,376,681
-	-	-	-	-	-
14,768,870	14,793,412	13,373,507	16,331,733	14,662,285	13,961,232
<u>\$ 114,501,598</u>	<u>\$ 100,099,251</u>	<u>\$ 92,771,063</u>	<u>\$ 99,233,671</u>	<u>\$ 99,818,417</u>	<u>\$ 102,404,377</u>
\$ 6,397,130	\$ 5,649,170	\$ 4,993,739	\$ 4,707,258	\$ 3,432,591	\$ 3,870,958
2,743,060	2,565,614	2,514,676	2,655,300	2,426,368	2,584,580
5,325,225	4,748,131	4,081,484	3,961,827	3,875,983	3,916,202
5,543,534	5,345,962	3,766,336	3,941,128	4,286,330	4,420,121
<u>\$ 20,008,949</u>	<u>\$ 18,308,877</u>	<u>\$ 15,356,235</u>	<u>\$ 15,265,513</u>	<u>\$ 14,021,272</u>	<u>\$ 14,791,861</u>
\$ 6,656,181	\$ 6,138,037	\$ 5,967,684	\$ 6,117,905	\$ 5,539,157	\$ 5,586,811
920,364	764,006	804,846	967,001	1,382,386	1,103,481
5,431,148	5,171,407	4,696,229	4,703,383	4,536,291	4,505,516
7,231,777	6,363,811	5,599,330	7,134,766	5,746,950	5,424,488
<u>\$ 20,239,470</u>	<u>\$ 18,437,261</u>	<u>\$ 17,068,089</u>	<u>\$ 18,923,055</u>	<u>\$ 17,204,784</u>	<u>\$ 16,620,296</u>
\$ 2,775,244	\$ 2,970,231	\$ 2,587,656	\$ 2,437,963	\$ 2,322,669	\$ 2,727,667
864,865	862,860	862,649	862,355	859,740	857,645
<u>\$ 3,640,109</u>	<u>\$ 3,833,091</u>	<u>\$ 3,450,305</u>	<u>\$ 3,300,318</u>	<u>\$ 3,182,409</u>	<u>\$ 3,585,312</u>
<u>\$ 158,390,126</u>	<u>\$ 140,678,480</u>	<u>\$ 128,645,692</u>	<u>\$ 136,722,557</u>	<u>\$ 134,226,882</u>	<u>\$ 137,401,846</u>
<u>\$ (14,391,847)</u>	<u>\$ (16,689,611)</u>	<u>\$ (16,906,771)</u>	<u>\$ (18,019,030)</u>	<u>\$ (4,728,236)</u>	<u>\$ (14,641,424)</u>

OPERATING INFORMATION
ELECTRIC ENERGY SOURCES, WATER AND WASTEWATER STATISTICS
LAST TEN YEARS

	FY 2019	FY 2018	FY 2017	FY 2016	FY 2015
SOURCES OF ENERGY (kWh)					
Total Net Energy Generated	1,350,866,264	1,224,415,215	1,202,079,235	1,231,840,523	806,397,153
Total Energy Purchased	186,542,500	295,731,900	328,964,400	428,953,100	690,167,500
TOTAL SOURCES OF ENERGY	1,537,408,764	1,520,147,115	1,531,043,635	1,660,793,623	1,496,564,653
Less: System Losses and					
Inadvertent Energy (kWh)	(25,542,731)	(27,039,952)	(24,589,310)	(22,449,897)	(25,996,837)
Net Available for Sale (kWh)	1,511,866,033	1,493,107,163	1,506,454,325	1,638,343,726	1,470,567,816
Sales for Resale (kWh)	(204,155,127)	(159,885,557)	(177,000,430)	(316,499,025)	(29,993,800)
NET ENERGY FOR LOAD	1,307,710,906	1,333,221,606	1,329,453,895	1,321,844,701	1,440,574,016
WATER STATISTICS					
Water Production - 1,000 Gallons					
Raw Water Treated	5,318,507	5,874,579	5,579,560	5,301,156	5,216,966
Raw Water Used in Plant	(265,051)	(207,020)	(119,670)	(160,738)	(235,716)
Surface Water Treated	5,053,456	5,667,559	5,459,890	5,140,418	4,981,250
SRWA (Purchased Water)*	2,482,556	2,495,123	2,440,611	2,317,634	2,092,497
Water Pumped to City	7,536,012	8,162,682	7,900,501	7,458,052	7,073,747
Water Sales	6,334,790	6,695,462	6,732,120	6,392,340	6,055,349
Other Unmetered Usage	255,969	165,736	155,286	130,685	89,772
Losses and Unaccounted for Gallonage	945,253	1,301,484	1,013,095	935,027	928,626
Thousand Gallons to System	7,536,012	8,162,682	7,900,501	7,458,052	7,073,747
Unaccounted For	12.54%	15.94%	12.82%	12.54%	13.13%
Average Daily Consumption	20,627	22,341	18,444	17,465	22,253
Peak Maximum Demand (MG)	27	30	34	29	27
Date	8/21/2019	8/20/2018	5/23/2017	8/10/2016	8/11/2015
WASTEWATER STATISTICS					
Annual Demand (1,000 Gals.)	5,269,519	5,300,889	5,370,043	5,580,261	5,916,884
Maximum Day (MG)	29.8	34.8	21.2	32.6	36.2

* FY 2009 through FY 2018 Water Production includes Southmost Regional Water Authority Production.

FY 2014	FY 2013	FY 2012	FY 2011	FY 2010
921,011,194	924,212,443	830,108,370	1,353,750,565	1,577,510,000
578,306,000	508,341,700	704,742,700	429,383,640	378,317,000
1,499,317,194	1,432,554,143	1,534,851,070	1,783,134,205	1,955,827,000
(27,903,614)	(27,070,226)	-	-	(69,693,000)
1,471,413,580	1,405,483,917	1,534,851,070	1,783,134,205	1,886,134,000
(12,239,700)	(5,915,000)	(48,313,210)	(245,366,425)	(366,669,000)
1,459,173,880	1,399,568,917	1,486,537,860	1,537,767,779	1,519,465,000
5,888,490	6,611,306	6,742,810	7,502,790	7,073,522
(54,450)	(398,363)	(515,470)	(791,199)	(845,261)
5,834,040	6,212,943	6,227,340	6,711,591	6,228,261
1,816,125	1,963,421	2,025,507	1,929,481	1,947,011
7,650,165	8,176,364	8,252,847	8,641,072	8,175,272
6,636,736	7,251,194	7,259,778	7,417,175	6,321,717
208,500	227,400	98,519	68,577	88,719
804,929	697,770	894,550	1,155,320	1,764,836
7,650,165	8,176,364	8,252,847	8,641,072	8,175,272
10.52%	11.32%	10.84%	13.37%	21.59%
21,078	22,334	22,541	23,674	22,398
29	30	29	30	29
8/21/2014	7/3/2013	6/18/2012	6/17/2011	4/5/2010
5,047,953	4,799,312	4,885,625	4,992,236	5,522,605
32.2	29.1	25.9	32.6	38.5



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



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