



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

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# Annual Budget Report

## October 1, 2020- September 30, 2021





# **Brownsville Public Utilities Board**

A Component Unit of the City of Brownsville, Texas

## **ANNUAL BUDGET REPORT**

October 1, 2020 - September 30, 2021

Prepared by  
Finance Department

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# ***OVERVIEW***





## BOARD OF DIRECTORS

As of October 1, 2020

Anna E. Oquin .....	Chair
Jude A. Benavides, Ph.D.....	Vice-Chair
Sandra Lopez-Langley .....	Secretary/Treasurer
Timothy Lopes .....	Member
Sandra Saenz .....	Member
Patricio Sampayo .....	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

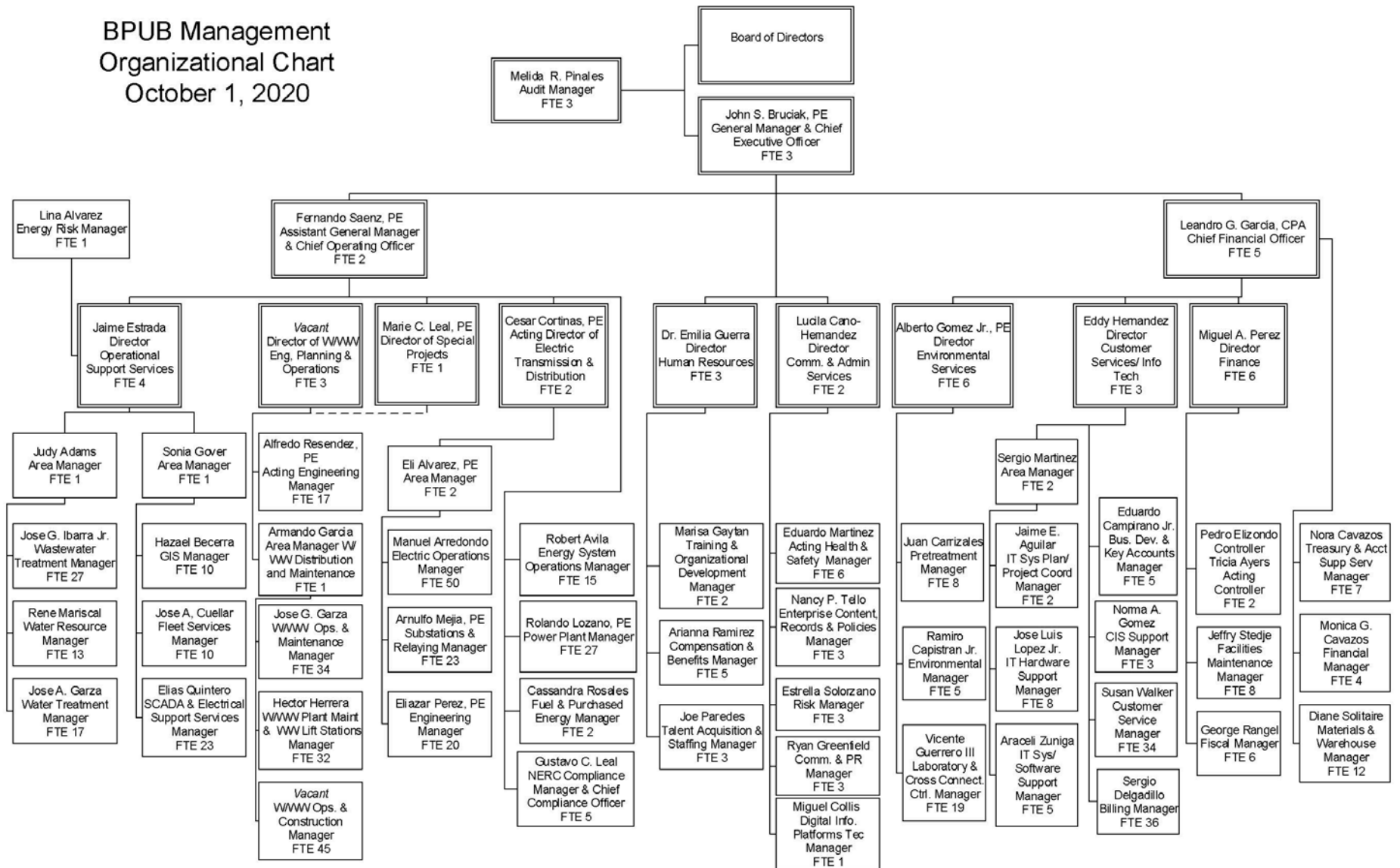
Telephone: 956-548-6000

### 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, 2020





# 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 2017	FY 2018	FY 2019	FY 2020	FY 2021	Change from FY 2020 to FY 2021
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	3	-1
1140	Training and Organizational Develop	3	3	3	3	2	-1
1165	Records Management	2	3	3	3	3	0
1170	Digital Information Platforms	0	0	0	0	1	1
1440	Health & Safety	6	6	6	4	4	0
7120	Risk/Insurance Management	2	2	2	3	3	0
7140	Human Resources	2	2	2	3	3	0
7145	Talent Acquisition and Staffing	3	4	4	3	3	0
7155	Compensation & Benefits	4	4	4	4	5	1
7165	Security Operations	0	0	0	2	2	0
	<b>TOTAL</b>	<b>34</b>	<b>36</b>	<b>36</b>	<b>37</b>	<b>37</b>	<b>0</b>

**Note:**

Changes in personnel counts from FY 2020 to FY 2021 are due to interdepartmental transfers.



# Assistant General Manager & Chief Operating Officer

**Fernando Saenz, P.E.**

**W/WW Engineering,**

**Planning & Operations**

Marie Leal

*Director*

**Electrical Systems**

Cesar Cortinas

*Acting 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 2017	FY 2018	FY 2019	FY 2020	FY 2021	Change from FY 2020 to FY 2021
1145	Electrical Systems	3	3	3	3	4	1
2120	Substations & Relaying	24	24	24	23	23	0
2130	Elec. T&D Construction & Maintenance	28	28	50	50	50	0
2140	Elec. T&D Maintenance	22	22	0	0	0	0
2150	Energy Control Center Operations	15	15	15	15	15	0
2210	SCADA & Elec. Support Services	19	22	23	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	13	13	12	-1
3110	W/WW Eng. Planning & Operations	2	2	2	3	3	0
3120	Water Plant I	10	10	10	10	9	-1
3130	Water Plant II	8	8	8	8	8	0
3135	Resaca Maintenance	17	9	9	9	9	0
3140	Raw Water Supply	4	4	4	4	4	0
3145	W/WW Plant Maintenance	13	13	13	12	12	0
3150	W/WW Operations & Construction	67	67	67	70	45	-25
3155	W/WW Operations & Maintenance	0	0	0	0	34	34
3160	Potable Water Transport Services	0	0	0	0	3	3
3210	South WW Treatment Plant	10	10	8	9	8	-1
3220	Robindale WW Treatment Plant	11	17	11	10	11	1
3225	W/WW Sludge Management	0	0	8	8	8	0
3230	Wastewater Lift Stations	35	34	34	32	20	-12
3310	W/WW Engineering	16	16	16	17	17	0
4105	Operations	2	2	2	3	3	0
4110	Energy Risk Management	2	1	1	1	1	0
4115	Asset Management	0	0	0	0	0	0
4210	NERC Compliance	5	5	5	5	5	0
4220	Fuel & Purchased Energy Supply	1	2	2	2	2	0
4230	Natural Gas Utility Management	0	0	0	0	0	0
4310	Operational Support Services	4	4	4	4	5	1
7135	Geographic Information Systems	11	10	10	10	10	0
7150	Fleet Management	10	10	10	10	10	0
	<b>TOTAL</b>	<b>388</b>	<b>387</b>	<b>387</b>	<b>389</b>	<b>389</b>	<b>0</b>

**Note:**

Changes in personnel counts from FY 2020 to FY 2021 are due to interdepartmental transfers.



# Chief Financial Officer

**Leandro G. García, CPA**

**Customer &  
Information Services**

Eddy Hernandez  
*Director*

**Environmental Services**

Alberto Gomez  
*Director*

**Accounting**

Miguel A. Perez  
*Director of Finance*

**Finance**

Monica 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 2017	FY 2018	FY 2019	FY 2020	FY 2021	Change from FY 2020 to FY 2021
1125	Key Account Marketing	5	4	4	4	4	0
1410	Environmental Services	5	5	5	6	6	0
1420	Environmental Compliance	6	6	6	6	5	-1
1422	Analytical Lab	16	16	16	16	16	0
1430	Pre-treatment	11	8	8	7	8	1
1435	Cross Connection Control	0	3	3	3	3	0
5110	Finance	7	7	7	9	9	0
5120	Accounting	16	16	17	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	13	14	14	14	0
6115	Collections	4	4	4	4	4	0
6120	Billing	7	8	9	9	9	0
6125	Call Center	11	12	12	12	12	0
6130	Meter Services	10	10	9	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	14	14	14	14	0
6160	Cashiers	9	9	8	8	8	0
7130	Information Technology	17	18	17	17	17	0
7160	Facility Maintenance	4	4	4	4	4	0
7170	Warehouse	6	6	6	5	5	0
7175	Facility Maint-FM 511 Service Yard	0	0	0	4	4	0
9110	Company-wide Expenses	2	1	1	0	0	0
	<b>TOTAL</b>	<b>182</b>	<b>181</b>	<b>181</b>	<b>185</b>	<b>185</b>	<b>0</b>

**Note:**

Changes in personnel counts from FY 2019 to FY 2020 are due to interdepartmental transfers.





December 21, 2020

We are pleased to present the Fiscal Year 2021 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 \$224.62 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 2021 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 24, 2020.



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 \$16.0 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 \$7.4 million to fund Capital Improvement Projects with cash.

The budget preparation process and budget preparation calendar are presented in additional detail on pages 35 through 38.

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## **FY 2021 BUDGET**

The Budget for FY 2021 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 10/1/19
  - 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 2021 Uses of Funds Chart
  - j. FY 2021 Requirements as a Percent of Total Budget Chart
  - k. Budget Recap FY 2021 Revenues
  - l. FY 2021 Revenues - Utility Percent by Revenue Type Chart
  - m. O&M Expenses Recap by Type FY 2011 – FY 2021
  - n. O&M Expenses Recap by Account FY 2016 – FY 2021
  - o. O&M Expenses Recap by Department & Type – FY 2021
  - p. O&M Expenses Recap by Department FY 2017 – FY 2021
  - q. O&M Expenses Recap by Department FY 2021 Budget
  - r. FY 2021 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.

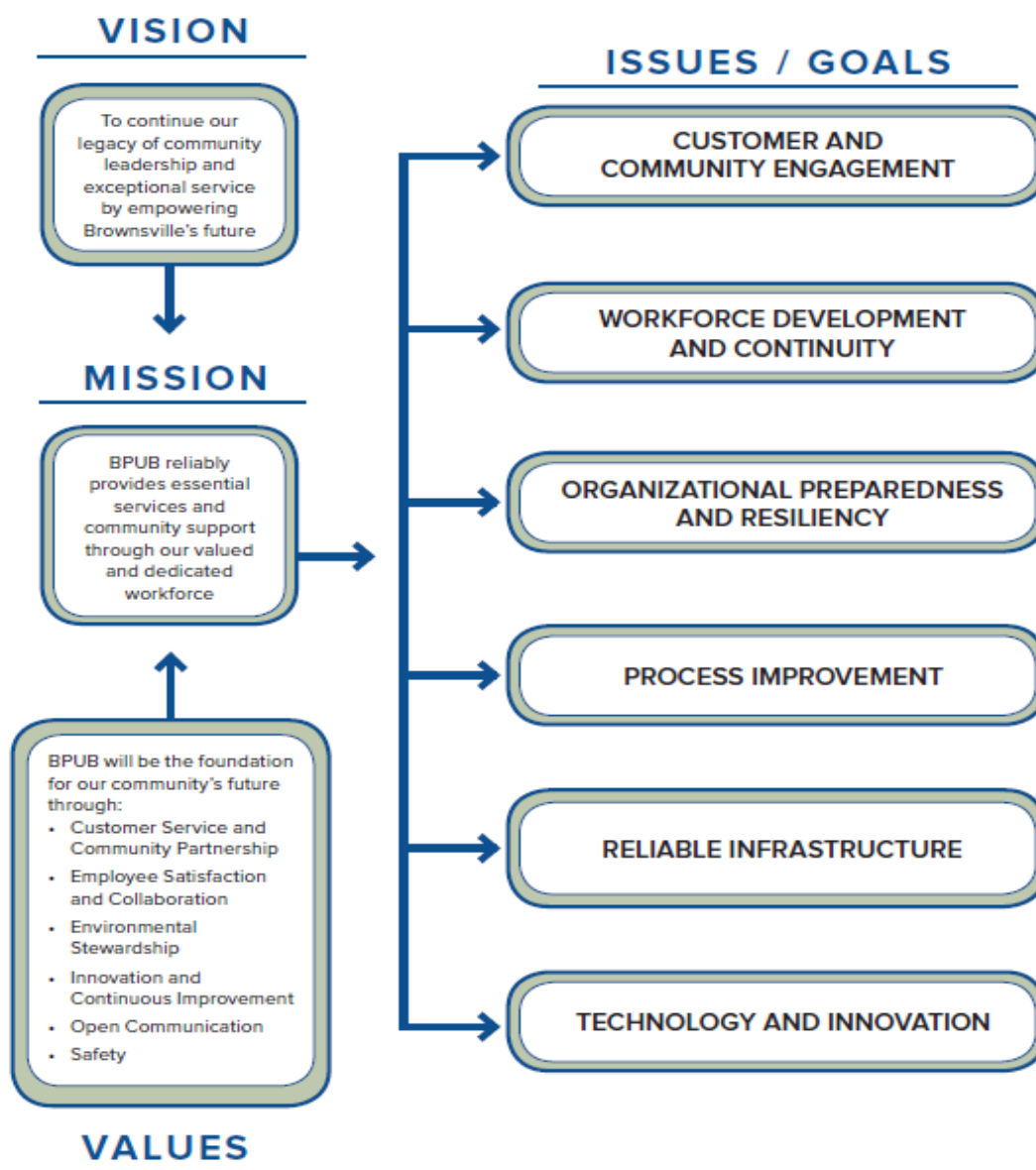


## **STRATEGIC PLAN**

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 2020 and prior years, and other pertinent records of operations.

Projected unit sales are as follows:

	Budget FY 2020	UNAUDITED Year End FY 2020	Percent Difference	Approved FY 2021	Percent Difference FY 2021 vs UNAUDITED Year End FY 2020
Electric (kWh)	1,328,512,925	1,320,937,575	-0.57%	1,367,893,030	3.55%
Water (1,000 gallons)	6,509,389	6,757,580	3.81%	6,536,609	-3.27%
Wastewater (1,000 gallons)	4,541,650	4,672,455	2.88%	4,528,112	-3.09%

## **REVENUES**

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

	Budget FY 2020	UNAUDITED Year End FY 2020	Percent Difference	Approved FY 2021	Percent Difference FY 2021 vs UNAUDITED Year End FY 2020
Electric	\$ 149,908,395	\$ 144,712,532	-3.47%	\$ 151,519,729	4.70%
Water	25,160,647	26,063,656	3.59%	25,713,195	-1.34%
Wastewater	23,336,960	23,444,247	0.46%	23,132,639	-1.33%
Total Sales Revenues	\$ 198,406,002	\$ 194,220,435	-2.11%	\$ 200,365,562	3.16%

The schedule below summarizes total revenues by general category:

	Approved Budget FY 2021	Percent of Total	Approved Budget FY 2020	Percent of Total
Sales & Service To Customers	\$ 200,365,563	89.20%	\$ 198,406,002	89.21%
Off-System Sales Revenue	9,400,000	4.18%	8,250,000	3.71%
Interest From Investments	900,000	0.40%	3,400,000	1.53%
Other Operating & Non-Operating Revenues	13,951,973	6.21%	12,349,108	5.55%
Total Revenues	<u>\$ 224,617,536</u>	<u>100.00%</u>	<u>\$ 222,405,110</u>	<u>100.00%</u>

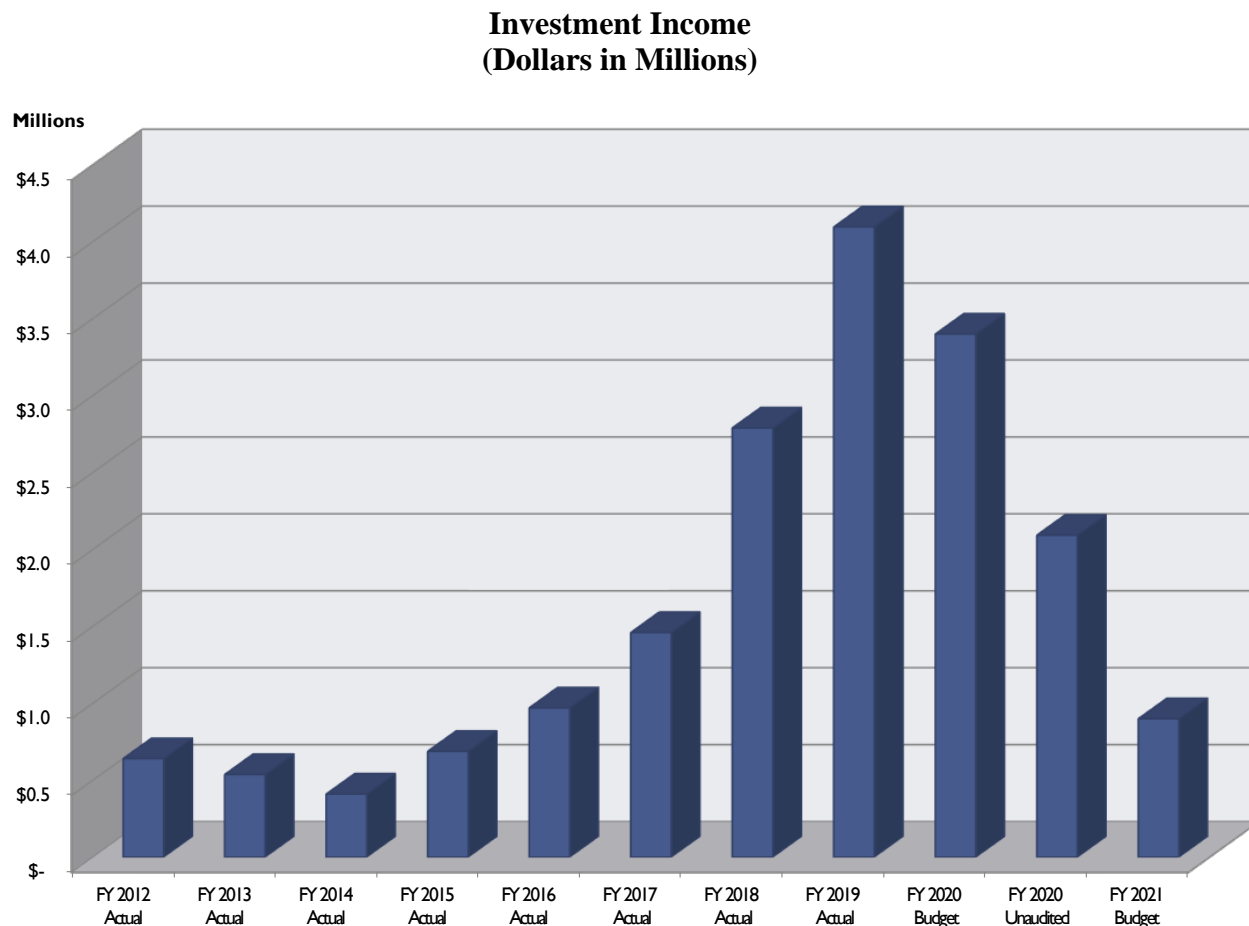
Projected electric unit sales in kilowatt hours are expected to increase in FY 2021 from FY 2020 unaudited Year-end by 3.55%. Comparing the approved FY 2021 vs approved FY 2020 sales revenue budget, electric base and fuel revenues are expected to increase by 1.1%.

FY 2020 unaudited year-end water revenues were 3.59% higher than FY 2020 approved budget projections. Compared to budgeted water revenues for FY 2020, water revenues for FY 2021 are expected to increase by 2.2%. Wastewater revenues will decrease by 0.9% for FY 2021 approved budget compared to FY 2020 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 2021 vs actual unaudited FY 2020 and budgeted FY 2020.



Revenues are discussed in additional detail on pages 73 through 83.

## 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.

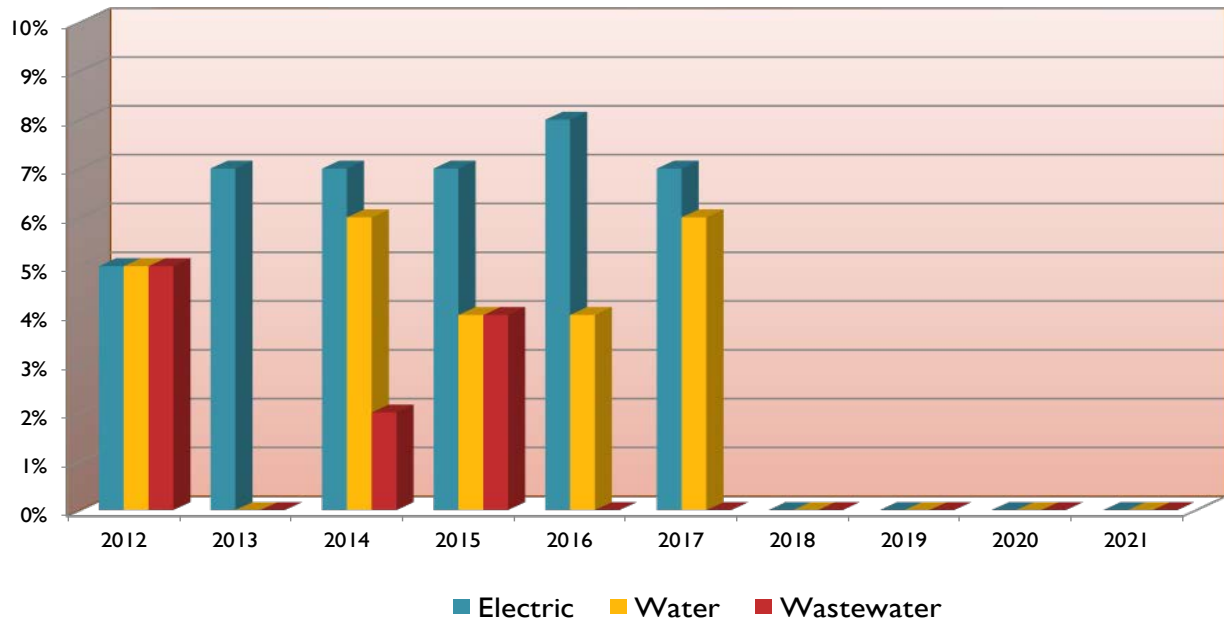
We will compare revenues to spending on a continual basis to ensure that adequate operating requirements and reserves are maintained and improved.



## 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
2021	-	-	-
2020	-	-	-
2019	-	-	-
2018	-	-	-
2017 <sup>5</sup>	7.0%	6.0%	-
2016 <sup>4</sup>	8.0%	4.0%	-
2015 <sup>3</sup>	7.0%	4.0%	4.0%
2014 <sup>2</sup>	7.0%	6.0%	2.0%
2013 <sup>1</sup>	7.0%	-	-
2012	5.0%	5.0%	5.0%

<sup>5</sup> Effective October 1, 2016

<sup>4</sup> Effective October 1, 2015

<sup>3</sup> Effective October 1, 2014

<sup>2</sup> Effective October 1, 2013

<sup>1</sup> Effective April 1, 2013



### Residential Bill Averages

Utility Service	Average Consumption	September 2018	September 2019	September 2020
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 2021 Personnel Budget includes forty-three reclassified positions compared to the Original FY 2020 Budget. The reclassifications did not increase or decrease the total position count as approved in the FY 2020 Budget.

The following is a summary of FY 2020 changes:

**POSITIONS APPROVED FOR FY 2020 BUDGET 611**

#### **FY 2020 Deletions:**

<u>Department</u>	<u>Department No.</u>	
Communications & Administrative Svc	1130	-1
Training and Organizational Develop	1140	-1
Water Plant I	3120	-1
Electric Engineering	2410	-1
Environmental Compliance	1420	-1
W/WW Operations & Construction	3150	-25
South Wastewater Treatment Plant	3210	-1
Wastewater Lift Stations	3230	-12
	Subtotal	<u>-43</u>

#### **FY 2020 Additions:**

<u>Department</u>	<u>Department No.</u>	
Digital Information Platforms	1170	1
Compensation & Benefits	7155	1
Operational Support Services	4310	1
Elect Transmission and Distribution	1145	1
Pre-treatment	1430	1
W/WW Operations & Maintenance	3155	34
Potable Water Transport Services	3160	3
Robindale Wastewater Treatment Plnt	3220	1
	Subtotal	<u>43</u>

**POSITIONS APPROVED FOR FY 2021 BUDGET 611**



The number of temporary full-time employees for FY 2021 is currently at 12 as illustrated on a separate schedule on page 24.

The approved Personnel Budget for FY 2020 totaled \$43,485,219, a decrease of \$1,533,437 as compared to actual Personnel Budget expenses for FY 2019.

The approved Personnel Budget for FY 2021 totals \$44,094,628, an increase of \$609,409 or 1.40% from the Approved FY 2020 Personnel Budget.

## NUMBER OF FULL-TIME POSITIONS

DEPARTMENT	FINAL FY 2017	FINAL FY 2018	FINAL FY 2019	FINAL FY 2020	APPROVED FY 2021
1110 GENERAL MANAGER	3	3	3	3	3
1120 INTERNAL AUDIT	3	3	3	3	3
1125 KEY ACCOUNT MARKETING	5	4	4	4	4
1130 COMMUNICATIONS & ADMINISTRATIVE SVC	2	2	2	2	2
1135 COMMUNICATIONS & PUBLIC RELATIONS	4	4	4	4	3
1140 TRAINING AND ORGANIZATIONAL DEVELOP	3	3	3	3	2
1150 BOARD OF DIRECTORS	-	-	-	-	-
1165 RECORDS MANAGEMENT	2	3	3	3	3
1170 DIGITAL INFORMATION PLATFORMS	-	-	-	-	1
1410 ENVIRONMENTAL SERVICES	5	5	6	6	6
1440 HEALTH & SAFETY	6	6	6	4	4
4105 OPERATIONS	2	2	3	3	3
4115 ASSET MANAGEMENT	-	-	-	-	-
4310 OPERATIONAL SUPPORT SERVICES	2	2	3	3	4
5110 FINANCE	7	7	8	9	9
5120 ACCOUNTING	16	16	18	17	17
5130 PURCHASING	7	7	7	7	7
7120 RISK/INSURANCE MANAGEMENT	2	2	2	3	3
7130 INFORMATION TECHNOLOGY	17	18	17	17	17
7135 GIS	11	10	10	10	10
7140 HUMAN RESOURCES	2	2	3	3	3
7145 TALENT ACQUISITION AND STAFFING	3	4	3	3	3
7150 FLEET MANAGEMENT	10	10	10	10	10
7155 COMPENSATION & BENEFITS	4	4	4	4	5
7160 FACILITY MAINTENANCE	4	4	4	4	4
7165 SECURITY OPERATIONS	-	-	-	2	2
7170 WAREHOUSE	6	6	5	5	5
7175 FACILITY MAINTENANCE-FM511 SVC YARD	-	-	-	4	4
9110 COMPANY-WIDE EXPENSES	-	-	-	-	-
<b>TOTAL ADMINISTRATIVE</b>	<b>126</b>	<b>127</b>	<b>131</b>	<b>136</b>	<b>137</b>
5140 REVENUE RECOVERY	3	3	3	3	3
6105 CUSTOMER & INFORMATION SERVICES	3	3	3	3	3
6110 CUSTOMER SERVICE	14	13	14	14	14
6115 COLLECTIONS	4	4	4	4	4
6120 BILLING	7	8	9	9	9
6125 CALL CENTER	11	12	12	12	12
6130 METER SERVICES	10	10	9	9	9
6135 CIS SUPPORT	3	3	3	3	3
6150 METER READING	15	14	14	14	14
6160 CASHIERS	9	9	8	8	8
<b>TOTAL CUSTOMER SERVICE</b>	<b>79</b>	<b>79</b>	<b>79</b>	<b>79</b>	<b>79</b>



## NUMBER OF FULL-TIME POSITIONS (Continued)

DEPARTMENT	FINAL FY 2017	FINAL FY 2018	FINAL FY 2019	FINAL FY 2020	APPROVED FY 2021
1145 ELECT TRANSMISSION AND DISTRIBUTION	3	3	3	3	4
1420 ENVIRONMENTAL COMPLIANCE	6	6	6	6	5
2120 SUBSTATIONS AND RELAYING	24	24	23	23	23
2130 ELEC TRANS & DIST CONSTRUCTION & MAINTENANCE	28	28	50	50	50
2140 ELEC TRANS & DIST MAINTENANCE	22	22	-	-	-
2150 ENERGY CONTROL CENTER OPERATIONS	15	15	15	15	15
2210 SCADA & ELECTRICAL SUPPORT SERVICES	19	22	23	23	23
2220 POWER PRODUCTION	27	27	27	27	27
2310 ELECTRIC METER SHOP	8	8	8	8	8
2410 ELECTRIC ENGINEERING	14	14	13	13	12
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
<b>TOTAL ELECTRIC</b>	<b>175</b>	<b>178</b>	<b>177</b>	<b>177</b>	<b>176</b>
1422 ANALYTICAL LAB	16	16	16	16	16
1430 PRE-TREATMENT	8	8	7	7	8
1435 CROSS CONNECTION CONTROL	3	3	3	3	3
3110 W&WW ENG, PLANNING & OPERATIONS	2	2	2	3	3
3120 WATER PLANT I	10	10	10	10	9
3130 WATER PLANT II	8	8	8	8	8
3135 RESACA MAINTENANCE	17	9	9	9	9
3140 RAW WATER	4	4	4	4	4
3145 W/WW PLANT MAINTENANCE	13	13	12	12	12
3150 W/WW OPERATIONS & CONSTRUCTION	67	67	68	70	45
3155 W/WW OPERATIONS & MAINTENANCE	-	-	-	-	34
3160 POTABLE WATER TRANSPORT SERVICES	-	-	-	-	3
3210 SOUTH WASTEWATER TREAT PLANT	10	10	9	9	8
3220 ROBINDALE WASTEWATER TREAT PLANT	11	17	10	10	11
3225 W/WW SLUDGE MANAGEMENT	-	-	8	8	8
3230 WASTEWATER LIFT STATIONS	35	34	34	32	20
3310 WATER & WASTEWATER ENGINEERING	16	16	16	17	17
4310 OPERATIONAL SUPPORT SERVICES	2	2	1	1	1
9110 COMPANY-WIDE EXPENSES	2	1	-	-	-
<b>TOTAL WATER AND WASTEWATER</b>	<b>224</b>	<b>220</b>	<b>217</b>	<b>219</b>	<b>219</b>
<b>OVERALL TOTAL NO. OF POSITIONS</b>	<b>604</b>	<b>604</b>	<b>604</b>	<b>611</b>	<b>611</b>

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## NUMBER OF TEMPORARY FULL-TIME POSITIONS

DEPARTMENT	FINAL FY 2017	FINAL FY 2018	FINAL FY 2019	FINAL FY 2020	APPROVED FY 2021
1135 COMMUNICATIONS & PUBLIC RELATIONS	-	1	-	-	-
1165 RECORDS MANAGEMENT	1	-	1	1	-
1440 HEALTH & SAFETY	-	1	-	-	-
5120 ACCOUNTING	1	-	-	-	-
5130 PURCHASING	-	-	1	1	-
7120 RISK/INSURANCE MANAGEMENT	1	-	-	-	-
7130 INFORMATION TECHNOLOGY	-	-	2	2	1
7135 GIS	-	-	-	-	1
7145 TALENT ACQUISITION AND STAFFING	-	1	-	-	-
7155 COMPENSATION & BENEFITS	-	-	1	1	1
7160 FACILITY MAINTENANCE	-	-	1	1	-
7170 WAREHOUSE	-	-	1	1	-
<b>TOTAL ADMINISTRATIVE</b>	<b>3</b>	<b>3</b>	<b>7</b>	<b>7</b>	<b>3</b>
6115 COLLECTIONS	-	1	-	-	1
6135 CIS SUPPORT	-	-	1	1	1
6150 METER READING	3	1	1	1	-
6160 CASHIERS	1	-	-	-	-
<b>TOTAL CUSTOMER SERVICE</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
2120 SUBSTATIONS AND RELAYING	-	-	2	2	1
2130 ELEC TRANS & DIST CONSTRUCTION & MAINTENANCE	4	-	-	-	1
2210 SCADA & ELECTRICAL SUPPORT SERVICES	-	-	-	-	1
2220 POWER PLANT	-	1	-	-	-
2410 ELECTRIC ENGINEERING	-	-	1	1	2
<b>TOTAL ELECTRIC</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>5</b>
1422 ANALYTICAL LAB	-	-	-	-	1
3135 RESACA MAINTENANCE	1	1	-	-	1
<b>TOTAL WATER AND WASTEWATER</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>2</b>
<b>OVERALL TOTAL NO. OF TEMPORARY POSITIONS</b>	<b>12</b>	<b>7</b>	<b>12</b>	<b>12</b>	<b>12</b>

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

## OPERATIONS & MAINTENANCE EXPENSES

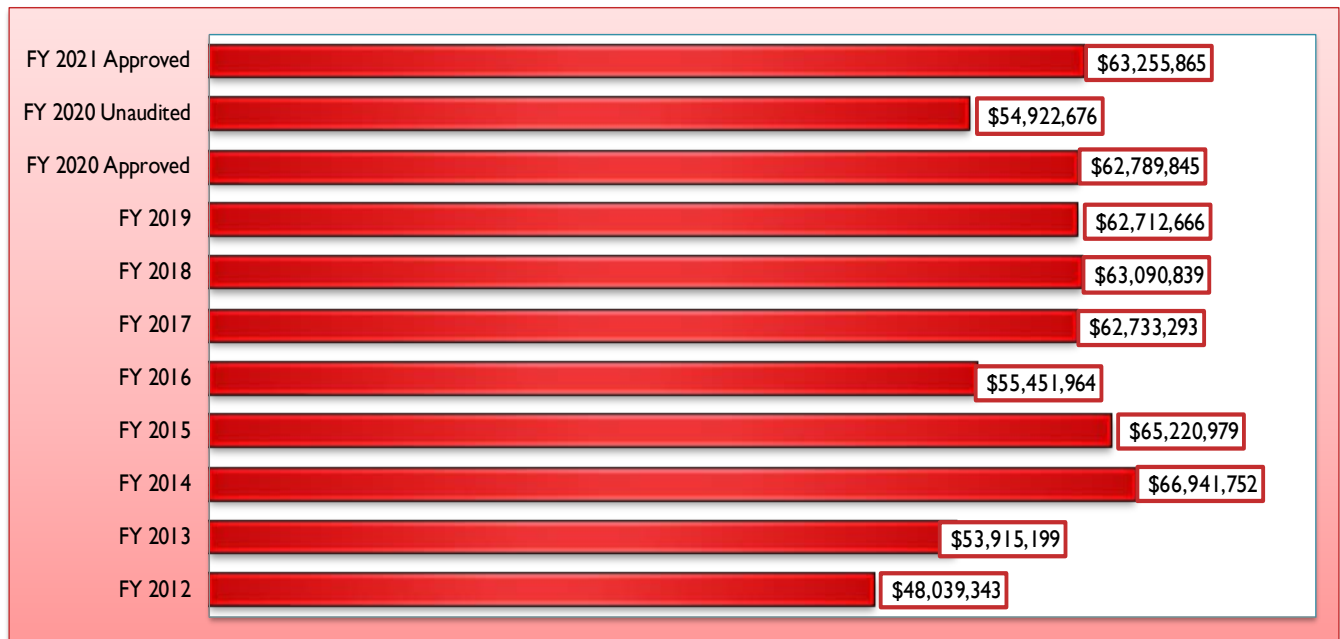
The total O&M Budget for FY 2021 is \$154,351,246, a decrease of \$3,208,431 or 2.04% from the approved FY 2020 Budget.

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

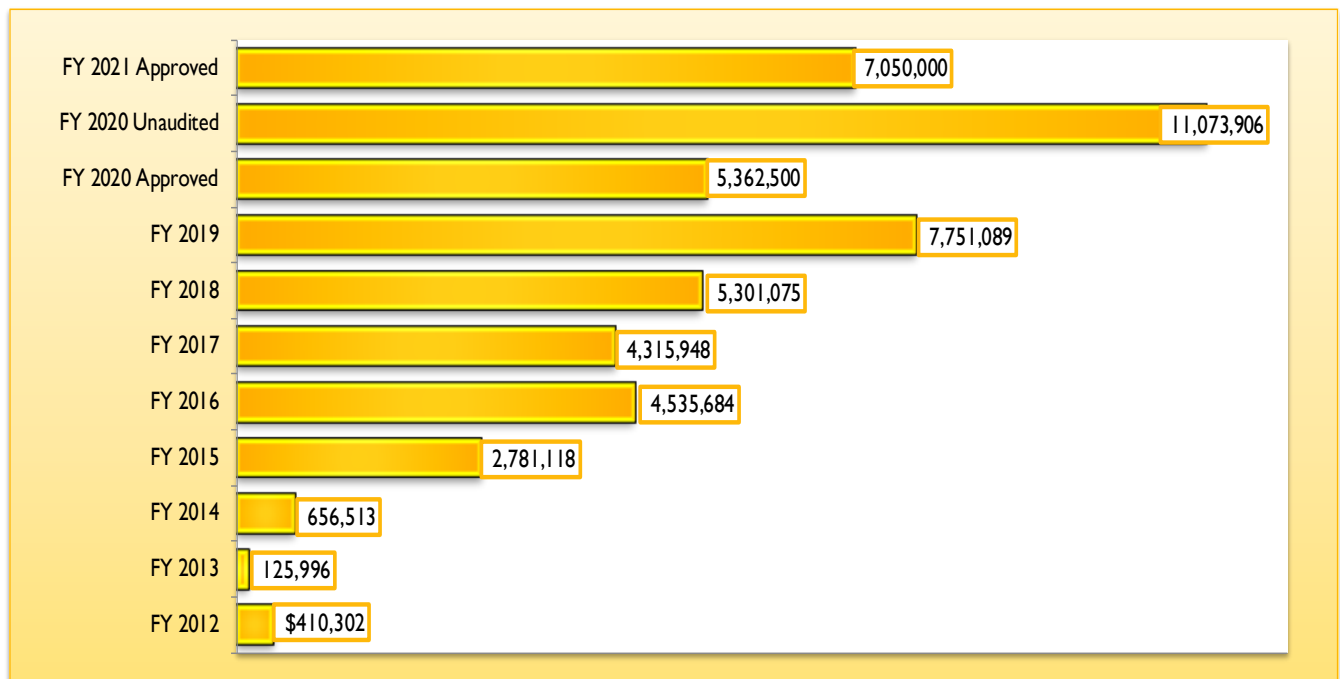
Expense Classification	Approved Budget FY 2020	Unaudited FY 2020	Percent Used: Unaudited '20 vs Approved Budget '20	Approved Budget FY 2021	Percent Budget Variance: Approved '21 vs Unaudited '20
Fuel & Energy Costs	\$ 62,789,845	\$ 54,922,676	87.47%	\$ 63,255,865	15.17%
Off-system Sales Expenses	5,362,500	11,073,906	206.51%	7,050,000	-36.34%
SRWA Obligations	5,899,247	5,899,247	100.00%	6,071,063	2.91%
Personnel Services	43,485,219	43,358,715	99.71%	44,094,628	1.70%
Non-personnel Expenses	39,522,866	32,816,321	83.03%	33,479,689	2.02%
Maintenance Pool Account	500,000	271,550	54.31%	400,000	47.30%
Overall Total:	<u>\$ 157,559,677</u>	<u>\$ 148,342,415</u>	<u>94.15%</u>	<u>\$ 154,351,245</u>	<u>4.05%</u>



The following chart illustrates the cost of fuel and purchased energy to meet electric demand over the last several years. In FY 2012, Brownsville PUB had a total cost of \$48.04 million. The Approved FY 2021 Fuel & Energy Cost Budget is \$63.26 million. The 10-year history reflects an average increase of 3.17% per fiscal year.

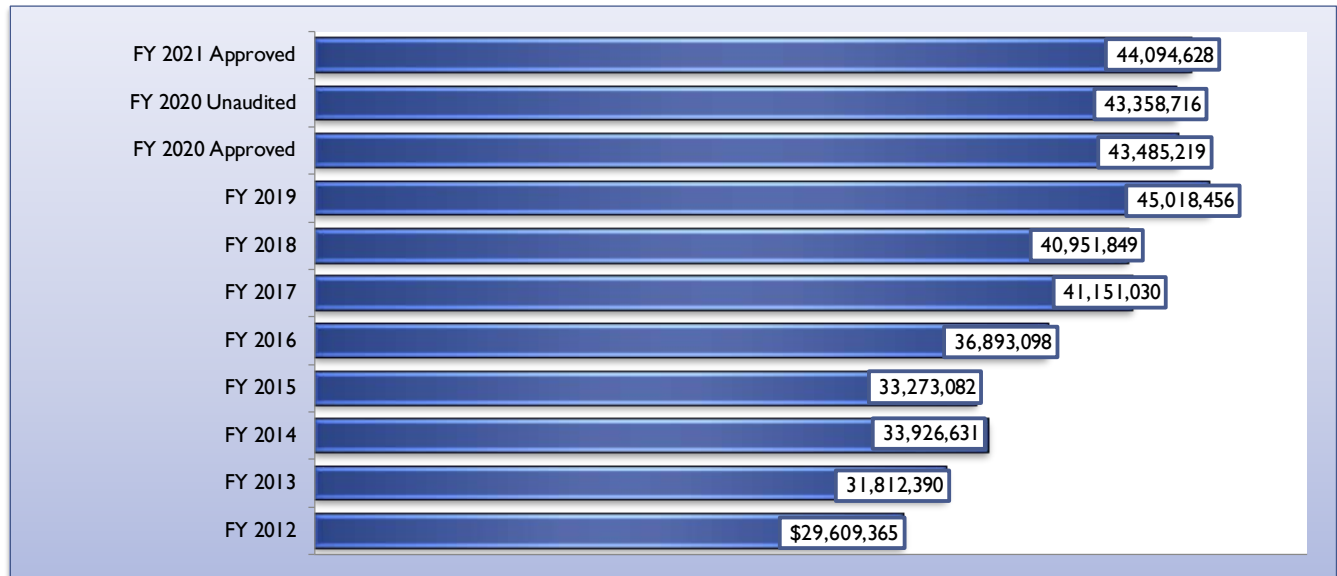


The following chart illustrates how the cost of off-system sales has fluctuated over the last ten years. In FY 2012, Brownsville PUB had a total cost of \$0.41 million. The Approved FY 2021 Off-System Sales Expenses Budget is \$7.05 million. The 10-year history represents an average increase of 161.82% per fiscal year.

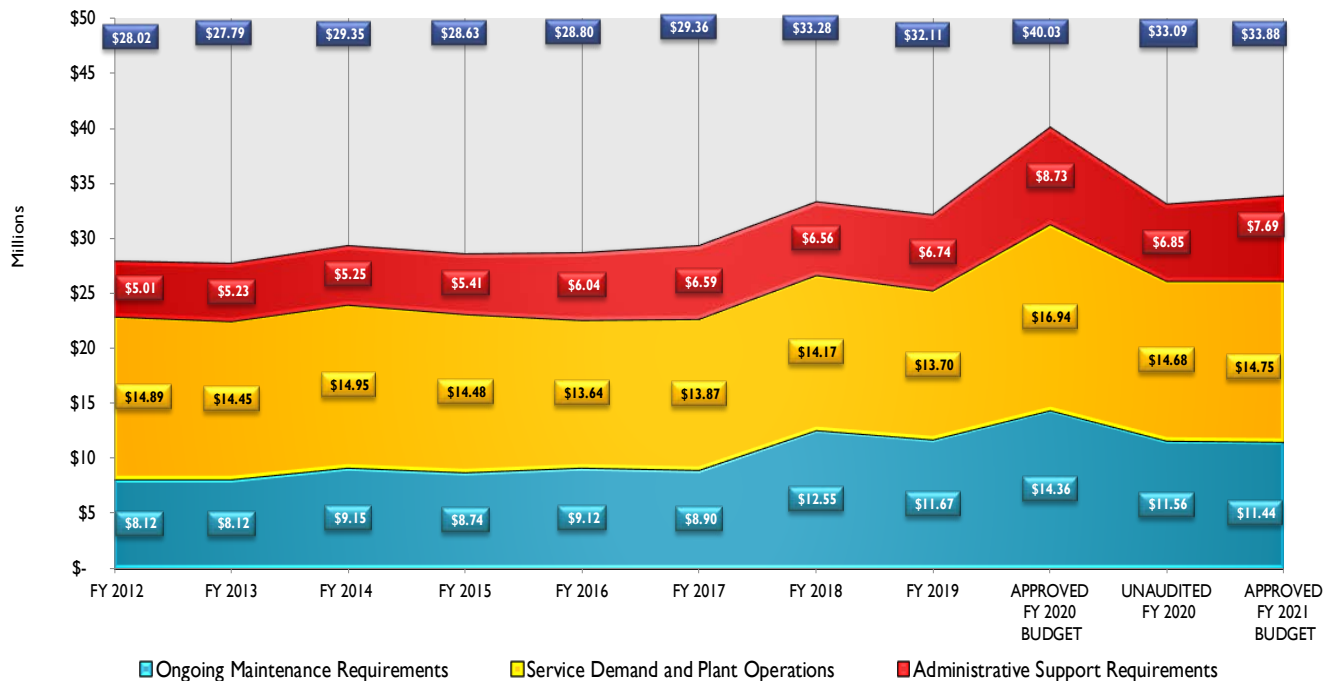




The following chart illustrates how the cost of personnel services has increased over the last several years. In FY 2012, Brownsville PUB had a total O&M personnel cost of \$29.61 million. The Approved FY 2021 O&M Personnel Budget is estimated at \$44.09 million. The \$1.56 million average yearly change is a result of added positions, market pay adjustments, promotions, health insurance, retirement, and other personnel benefit changes. This change averages 4.89% per fiscal year.



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





## **DEBT SERVICE**

A summary of each system's cost of borrowed money is on page 70, 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, 2020 and 2019 were \$272,155,000 and \$237,375,000 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 3.08 and 3.30 times at September 30, 2020 and 2019, 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 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.



On July 29, 2020, The Brownsville PUB issued \$53,590,000 of Series 2020 tax exempt bonds and \$62,320,000 of Series 2020A taxable bonds. The tax exempt bonds, Series 2020, provided funds to refund \$12,105,000 of Series 2012 Revenue Refunding Bonds. In addition, the proceeds provided funds to defease \$50,000,000 in outstanding Commercial Paper Notes. The taxable bonds, Series 2020A, provided funds to refund \$54,480,000 of outstanding Series 2013A 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 BPUB is obligated to contribute its percentage allocation of the SRWA's debt service obligations and annual system budget. The Brownsville PUB's total 2020 and 2019 contributions to the SRWA were \$5,899,247 and \$5,953,229 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 2017	ACTUAL FY 2018	ACTUAL FY 2019	<b>UNAUDITED</b> ACTUAL FY 2020	BUDGET FY 2021
Principal	\$ 12,914,000	\$ 13,284,485	\$ 13,414,301	\$ 13,906,712	\$ 16,870,001
Interest	12,863,808	12,510,790	12,352,429	11,585,595	10,404,623
Total	<u>\$ 25,777,808</u>	<u>\$ 25,795,275</u>	<u>\$ 25,766,730</u>	<u>\$ 25,492,307</u>	<u>\$ 27,274,624</u>

Commercial Paper for FY 2021 will incur \$70,000 of interest expense.



## **DEBT SERVICE COVERAGE RATIO**

The Debt Service Coverage Ratio is estimated at 3.08 times for Year-end FY 2020, compared to 2.47 in the Approved FY 2020 Budget and 2.54 times budgeted for FY 2021. The Brownsville PUB's minimum coverage is 1.25 times per current bond covenants.

## **CAPITAL BUDGET**

The Board adopted the FY 2021 Capital Budget on September 24, 2020.

The FY 2021 Capital Budget totals \$87,938,389 which is \$8,734,924 less than the Brownsville PUB approved FY 2020 Budget of \$96,682,313. The BPUB's five-year capital needs increased from \$226.91 million for FY 2020 to \$234.73 million for FY 2021 for a total increase of \$7.82 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 224. 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 2021 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 2021, 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 2021 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 2021 Capital Budget for the electric system include the upgrade of the Airport substation from 69KV to 138KV, construction of a 56 MVA Northwest Distribution Substation, upgrades and replacements at the Silas Ray Power Plant, and the completion 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 Wastewater Treatment Plant, turbo blower upgrades at the North Wastewater Treatment Plant and wastewater lift station replacements and rehabilitations.



A recap of all the sources of funding for the Capital Budget can be found on page 224.

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 2021.

Capital projects are discussed in additional detail on pages 230 through 366.

The following table illustrates major expenditures that account for 58.06% of the total approved FY 2021 Capital Budget.

UTILITY	PROJECT DESCRIPTION	APPROVED BUDGET
<b>ELECTRIC</b>		
	Airport Substation, 69kV to 138 kV upgrade	\$ 4,545,422
	Construction of a 56 MVA Northwest Distributiion Substation	2,000,000
	Upgrades and Replacements at Silas Ray Power Plant	1,984,044
	New Connections	1,331,095
	New Subdivisions	1,256,941
	<b>UTILITY TOTAL:</b>	<b>\$ 11,117,502</b>
<b>WATER</b>		
	EST No. 8 - Two Million Gallon Elevated Storage Tank to Replace the Southmost Elevated Storage Tank	\$ 3,800,000
	16-inch Waterline Loop from Lago Vista to W. Alton Gloor Blvd	2,421,755
	High Service Pump - Water Plant 1	726,568
	New Raw Water River Intake Facility	600,000
	<b>UTILITY TOTAL:</b>	<b>\$ 7,548,323</b>
<b>WASTEWATER</b>		
	Lift Station Rehabilitations and Replacements	\$ 6,402,331
	Upgrade of Headworks Grit System at South Treatment Plant	2,355,205
	Turbo Blower Upgrades at Robindale Treatment Plant	3,048,516
	<b>UTILITY TOTAL:</b>	<b>\$ 11,806,052</b>
<b>GENERAL</b>		
	Construction of an Annex Administration Building	\$ 15,088,194
	Annex Administration Building - furniture fixtures and equipment	5,500,000
	<b>UTILITY TOTAL:</b>	<b>\$ 20,588,194</b>
	<b>GRAND TOTAL:</b>	<b>\$ 51,060,071</b>
		\$ 87,938,389 *
		58.06%

\* Includes \$36.9 million in numerous additional projects.



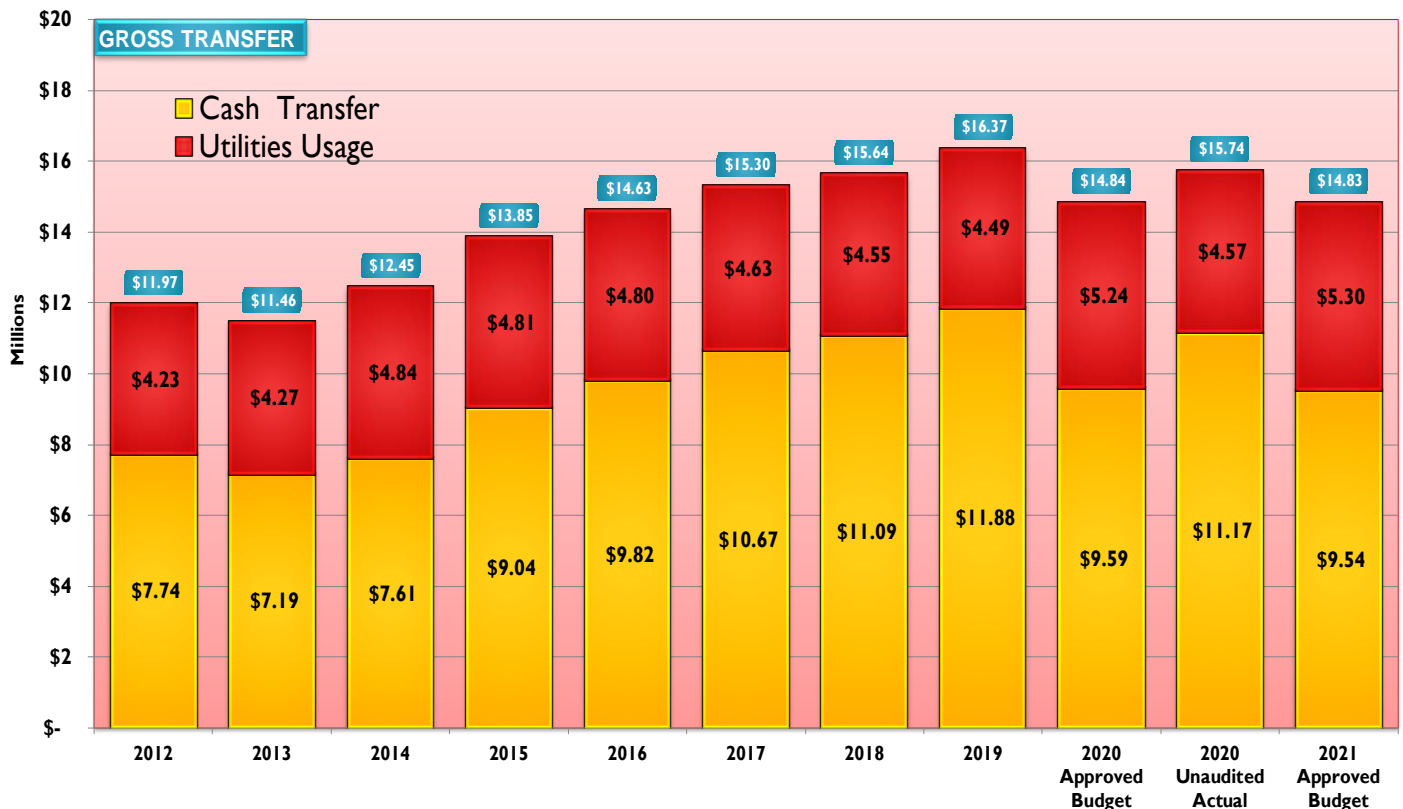
## TRANSFER TO THE CITY OF BROWNSVILLE

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 2020 estimated year-end gross transfer is \$15,741,181, up \$905,830 from the FY 2020 Approved budget, with an estimated net cash transfer of \$11,170,349. The FY 2021 approved budget gross transfer is \$14,824,061.

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, 2019. 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, 2019**

*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 2020-21 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 39.

### **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 9.3.7 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 2021

LINE REF.	DATE		TASK	ACTION RESPONSIBILITY
1	May 26 - 29, 2020	Week of	Establish BPUB Budget Teams (Vehicle/Heavy & Support Equipment and Computers, Furniture & Other Equipment)	Financial Planning Team
2	June 3, 2020	Wednesday	BUDGET KICKOFF - Distribution of FY 2021 Budget Instructions, Forms for Equipment Requests and Projects, and Performance Measures	Financial Planning Team
3	June 3, 2020	Wednesday	Open Budget Program for User Data Entry	Financial Planning Team
4	June 8, 2020	Monday	Distribute Budget Process Timetable to the Board	CFO
5	June 18, 2020	Thursday	Close Budget Program data entry access	Financial Planning Team
6	June 18, 2020	Thursday	Equipment Request Forms & Project Request Forms due	All Departments
7	July 6, 2020	Monday	Send Equipment Requests to respective BPUB Budget Teams (Vehicle/Heavy & Support Equipment and Computer, Furniture & Other Equipment) for recommendations	Financial Planning Team
8	July 17, 2020	Friday	Budget Teams (Vehicle/Heavy & Support Equipment and Computer, Furniture & Other Equipment) recommendations due	Teams
9	July 31, 2020	Friday	First DRAFT of O&M budget complete	Financial Planning Team
10	August 3, 2020	Monday	Distribute Departmental Performance Measures	Financial Planning Team
11	August 3, 2020	Monday	Distribute first DRAFT of budget and meet with Executive Team	CFO
12	August 3 - 7, 2020	Week of	Executive Team, Directors and Finance balance O&M Budget	CFO
13	Aug 10 - 14, 2020	Week of	Directors, Managers and Finance Balance First Draft of CIP Budget	Financial Planning Team
14	Aug 17 - 21, 2020	Week of	Executive Team, Directors and Finance balance CIP Budget	CFO
15	August 21, 2020	Friday	Department Performance Measures Due	All Departments
16	August 27, 2020	Thursday	Board Workshop on O&M Budget	CFO
17	September 3, 2020	Thursday	Board Workshop on CIP Budget	CFO
18	September 24, 2020	Thursday	Present Fiscal Year 2021 Budget to the Board for consideration and approval	CFO

### NOTES

1. The Southmost Regional Water Authority (SRWA) Budget was approved on August 3, 2020.



## **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 15<sup>th</sup> day of each month, beginning on or before the business day before the 15th day of the month next following the delivery of the Bonds to the Underwriters. After making each of the payments required by the provisions of subparagraphs FIRST through NINTH as described above under "Funds and Accounts and Flow of Funds - Plant Fund", the Designated Chief Financial Officer of the Brownsville PUB is required to transfer no later than the business day preceding the 15th day of the month following the end of each Fiscal Year quarter, an amount of money from the City Transfer Fund equal to ten percent (10%) (or such lesser amount as may be determined from time to time by the City Commission of the City) of the Gross Revenues received for the preceding Fiscal Year quarter, as adjusted in accordance with the next two following sentences, to be utilized by the City in the manner permitted by the provisions of Chapter 1502, as amended, Texas Government Code. Prior to applying the percentage set forth in the preceding sentence to determine the amount to be transferred to the City, the amount of Gross Revenues for a Fiscal Year quarter shall be reduced by an amount equal to all costs for the purchase of power, fuel and paid or incurred by the Brownsville PUB during such Fiscal Year quarter and by amounts paid by the Brownsville PUB to the Southmost Regional Water Authority with respect to the Southmost water project. Furthermore the amount of funds to be transferred to the City in accordance with the provisions of the Ordinance shall be reduced by any amounts owed by the City to the Brownsville PUB for utility



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

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

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

### **Budgetary Controls**

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

### **Operating Revenues and Expenses**

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



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

### **Utility Service Revenue and Electric Purchased Power Expense**

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

### **Capital Assets**

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

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

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

### **Investments**

The Brownsville PUB invests funds in accordance with the Texas Public Funds Investment Act, bond indentures, and the Brownsville PUB's approved investment policy, which is approved annually by the Board of Trustees. The investment policy was approved by the Board of Trustees on September 14, 2020, 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 2.54 for FY 2021, compared to 3.08 unaudited actual for FY 2020, and 2.47 in the Approved FY 2020 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, 2020 and 2019 totaled \$11,170,349 and \$11,878,222, respectively, of which \$3,994,072 and \$3,276,018, respectively, was payable at September 30, 2020 and 2019.

Following is the computation for distribution to the City of Brownsville for FY 2021:

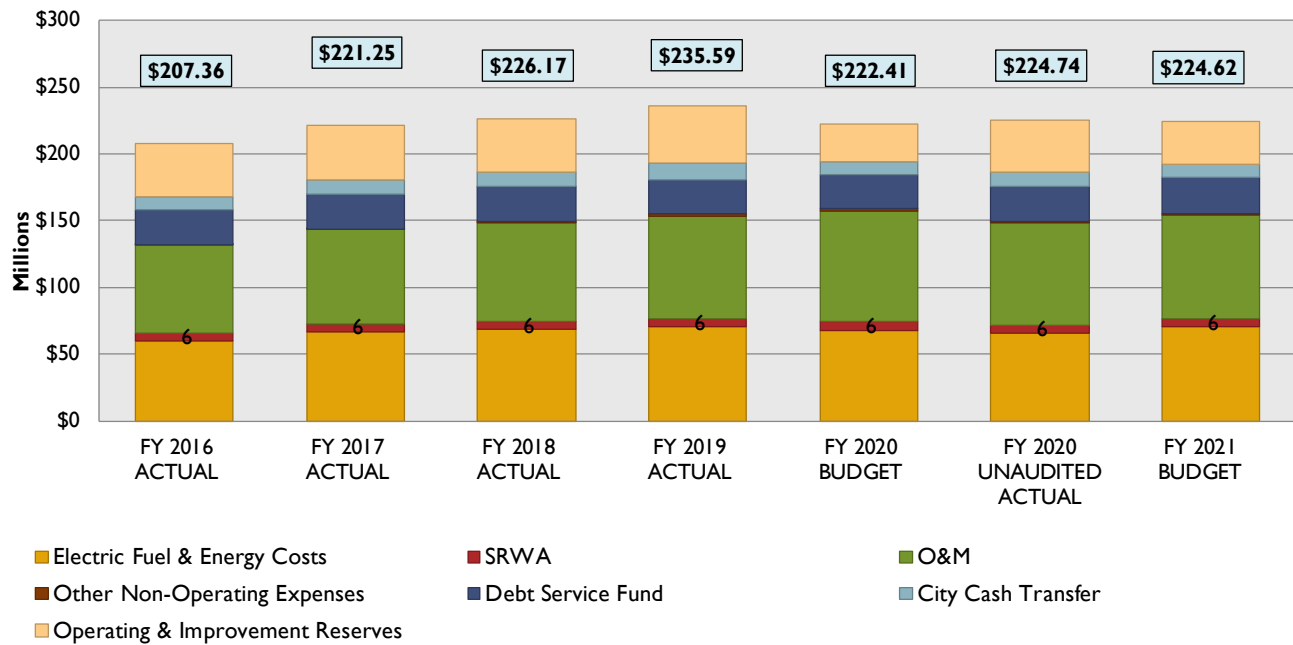
Gross Revenue	\$ 224,617,536
Less:	
Fuel & Energy Costs	63,255,865
Off-system Sales Expenses	7,050,000
Southmost Regional Water Authority (SRWA)	6,071,063
Adjusted Gross Revenues	<u>\$ 148,240,608</u>
Budgeted COB Transfer at 10% of Adjusted Gross Revenues	\$ 14,824,061
Less:	
COB Usage and Other	<u>(5,295,346)</u>
Net Cash Transfer to COB	<u>\$ 9,528,715</u>



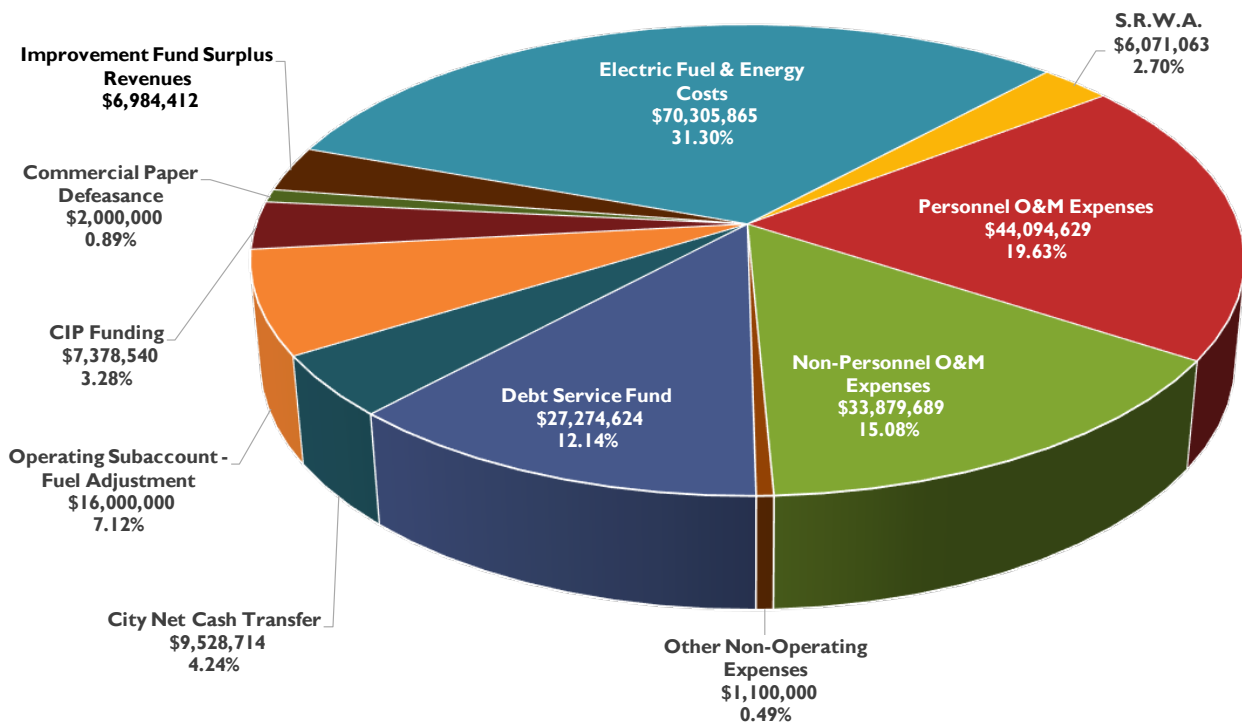
# ***BUDGET RECAP***



## TOTAL COMBINED UTILITY REQUIREMENTS

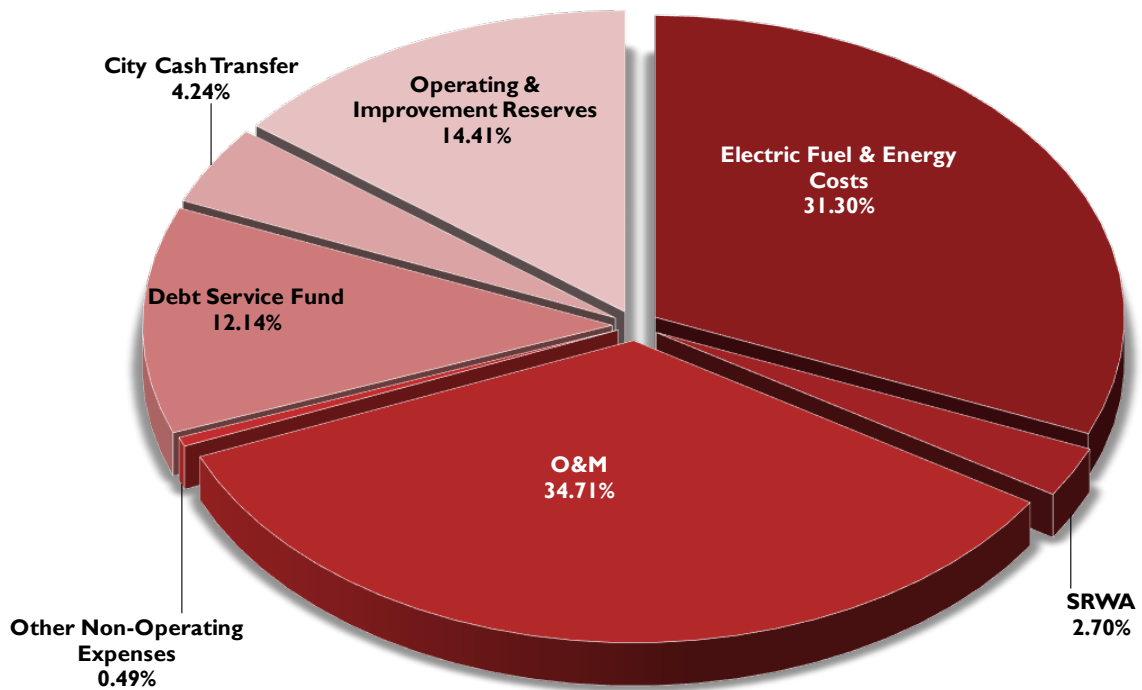


## FY 2021 USES OF FUNDS (\$224,617,536)





## FY 2021 REQUIREMENTS AS A PERCENT OF TOTAL BUDGET



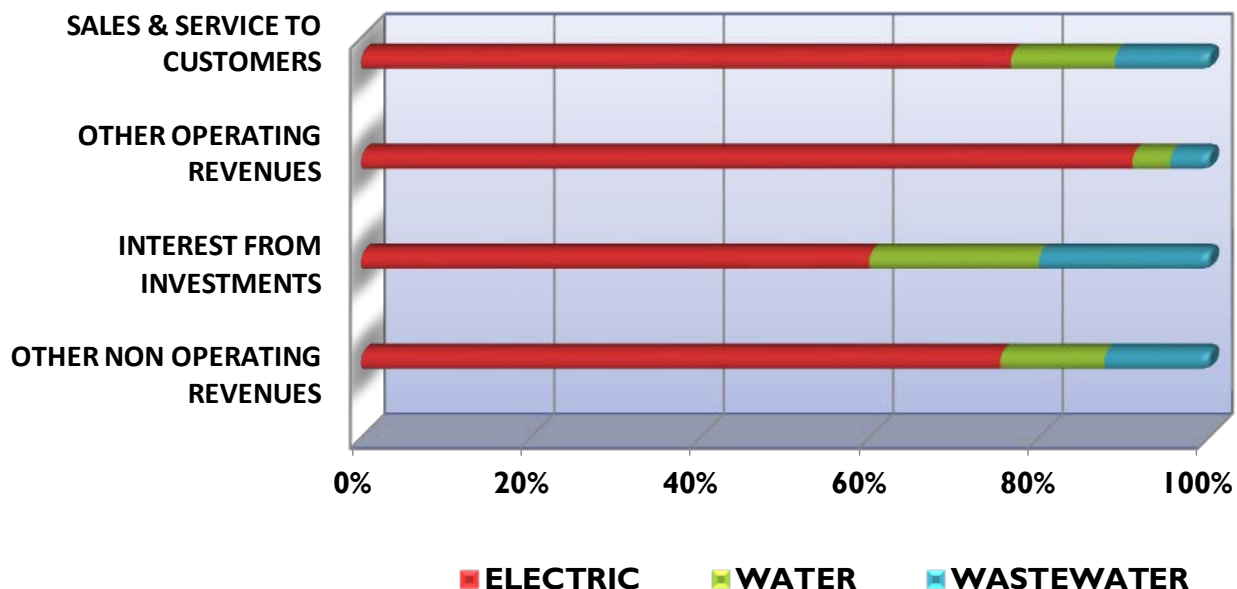
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## BUDGET RECAP FY 2021 REVENUES

	<u>SALES &amp; SERVICE TO CUSTOMERS</u>	<u>OTHER OPERATING REVENUES</u>	<u>INTEREST FROM INVESTMENTS</u>	<u>OTHER NON- OPERATING REVENUES</u>	<u>TOTAL</u>
ELECTRIC	\$ 160,919,729	\$ 11,479,061	\$ 540,000	\$ 1,015,336	\$ 173,954,126
WATER	25,713,195	563,788	180,000	165,000	26,621,983
WASTEWATER	23,132,639	563,788	180,000	165,000	24,041,427
<b>TOTAL REVENUE</b>	<b>\$ 209,765,563</b>	<b>\$ 12,606,637</b>	<b>\$ 900,000</b>	<b>\$ 1,345,336</b>	<b>\$ 224,617,536</b>

## FY 2021 REVENUES UTILITY PERCENT BY REVENUE TYPE





**OPERATIONS & MAINTENANCE EXPENSE RECAP BY TYPE**  
**FY 2011 - FY 2021**

TYPE	FY 2011	FY 2012	FY 2013	FY 2014
61 Personnel Salaries & Wages	\$ 19,028,839	\$ 19,761,782	\$ 21,047,184	\$ 22,404,937
62 Personnel Services	10,127,334	9,847,583	10,765,207	11,521,694
71 Operating Office Expenses	3,894,947	3,896,372	4,159,671	4,554,927
72 Operating Materials & Supplies	5,081,043	5,246,147	5,362,003	4,982,058
73 Operating Miscellaneous General Exp	10,582,578	11,894,623	10,033,119	9,773,350
74 Operating Transportation Expense	1,123,541	1,060,732	1,132,352	1,219,496
75 Operating Maint. of General Plant	3,234,646	2,794,117	2,029,564	3,688,413
76 Operating Consultants/Outside Svc	6,739,576	7,946,964	9,159,599	9,059,971
77 Operating Fuel & Purchase Power	54,164,284	48,449,645	54,041,195	67,598,265
78 Operating Purch/Minor Tools & Equip	811,621	799,817	786,125	1,018,516
<b>Grand Total</b>	<b>\$ 114,788,408</b>	<b>\$ 111,697,781</b>	<b>\$ 118,516,018</b>	<b>\$ 135,821,627</b>

**LESS:**

Fuel & Purchased Power & Off System Expenses	\$ 54,164,284	\$ 48,449,645	\$ 54,041,195	\$ 67,598,265
SRWA Obligations	4,811,178	5,616,176	4,867,682	4,942,996
<b>Subtotal</b>	<b>\$ 55,812,946</b>	<b>\$ 57,631,960</b>	<b>\$ 59,607,141</b>	<b>\$ 63,280,366</b>

Less Personnel	\$ 29,156,174	\$ 29,609,365	\$ 31,812,390	\$ 33,926,631
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<b>Non-Personnel</b>	<b>\$ 26,656,774</b>	<b>\$ 28,022,595</b>	<b>\$ 27,794,751</b>	<b>\$ 29,353,735</b>
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TYPE	FY 2015	FY 2016	FY 2017	FY 2018
61 Personnel Salaries & Wages	\$ 23,121,728	\$ 24,070,435	\$ 25,660,355	\$ 26,840,938
62 Personnel Services	10,151,354	12,823,206	15,490,675	14,110,911
71 Operating Office Expenses	4,698,777	4,889,941	4,691,445	4,632,610
72 Operating Materials & Supplies	4,846,856	4,788,075	4,147,717	4,078,742
73 Operating Miscellaneous General Exp	11,042,760	10,629,351	11,529,269	11,782,886
74 Operating Transportation Expense	1,072,288	1,006,454	1,067,438	1,308,252
75 Operating Maint. of General Plant	2,983,094	2,666,119	2,147,117	4,421,339
76 Operating Consultants/Outside Svc	8,449,677	9,712,243	10,433,864	11,602,571
77 Operating Fuel & Purchase Power	68,002,097	59,987,648	67,049,242	68,391,914
78 Operating Purch/Minor Tools & Equip	1,271,213	1,022,540	1,220,698	1,388,318
<b>Grand Total</b>	<b>\$ 135,639,845</b>	<b>\$ 131,596,011</b>	<b>\$ 143,437,819</b>	<b>\$ 148,558,482</b>

**LESS:**

Fuel & Purchased Power & Off System Expenses	\$ 68,002,097	\$ 59,987,648	\$ 67,049,242	\$ 68,391,914
SRWA Obligations	5,738,013	5,910,676	5,878,725	5,934,637
<b>Subtotal</b>	<b>\$ 61,899,735</b>	<b>\$ 65,697,687</b>	<b>\$ 70,509,852</b>	<b>\$ 74,231,931</b>

Less Personnel	\$ 33,273,082	\$ 36,893,641	\$ 41,151,030	\$ 40,951,849
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<b>Non-Personnel</b>	<b>\$ 28,626,653</b>	<b>\$ 28,804,046</b>	<b>\$ 29,358,822</b>	<b>\$ 33,280,081</b>
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TYPE	FY 2019	APPROVED FY 2020 BUDGET	UNAUDITED FY 2020	APPROVED FY 2021 BUDGET
61 Personnel Salaries & Wages	\$ 26,637,072	\$ 27,837,718	\$ 27,713,344	\$ 28,994,393
62 Personnel Services	18,381,584	15,647,501	15,645,373	15,100,236
71 Operating Office Expenses	4,538,278	5,131,034	4,298,874	4,581,927
72 Operating Materials & Supplies	3,583,002	4,493,258	3,882,716	4,223,966
73 Operating Miscellaneous General Exp	11,294,225	12,648,972	11,791,059	12,175,468
74 Operating Transportation Expense	1,279,683	1,166,425	1,096,262	1,136,656
75 Operating Maint. of General Plant	3,722,801	4,188,946	3,642,044	3,605,898
76 Operating Consultants/Outside Svc	12,240,833	16,365,523	12,611,782	12,594,799
77 Operating Fuel & Purchase Power	70,463,755	68,152,345	65,996,582	70,305,865
78 Operating Purch/Minor Tools & Equip	1,404,158	1,927,955	1,664,383	1,632,038
<b>Grand Total</b>	<b>\$ 153,545,391</b>	<b>\$ 157,559,677</b>	<b>\$ 148,342,417</b>	<b>\$ 154,351,246</b>

**LESS:**

Fuel & Purchased Power & Off System Expenses	\$ 70,463,755	\$ 68,152,345	\$ 65,996,582	\$ 70,305,865
SRWA Obligations	5,953,229	5,899,247	5,899,247	6,071,063
<b>Subtotal</b>	<b>\$ 77,128,407</b>	<b>\$ 83,508,085</b>	<b>\$ 76,446,588</b>	<b>\$ 77,974,318</b>

Less Personnel	\$ 45,018,656	\$ 43,485,219	\$ 43,358,717	\$ 44,094,628
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<b>Non-Personnel</b>	<b>\$ 32,109,751</b>	<b>\$ 40,022,866</b>	<b>\$ 33,087,871</b>	<b>\$ 33,879,689</b>
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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 2016 - FY 2021

Account	Actual 2016	Actual 2017	Actual 2018	Actual 2019	Approved Budget 2020	Unaudited Actual 2020	Approved Budget 2021
<b>Personnel O&amp;M</b>							
6101 Supervision	\$ 5,719,467	\$ 6,306,819	\$ 6,734,219	\$ 6,763,021	\$ 6,788,843	\$ 7,427,889	\$ 7,948,457
6105 Administrative Staff	4,013,400	4,576,749	4,813,525	4,691,283	5,198,770	4,710,933	4,772,701
6110 Clerical staff	2,878,461	2,863,535	2,945,932	2,895,514	3,048,781	3,032,430	3,147,889
6115 Operational staff	10,383,520	10,632,632	10,844,935	10,887,151	11,457,106	10,936,093	11,650,536
6120 Part-time staff	214,176	191,062	237,599	254,653	157,921	365,789	186,885
6130 Overtime	800,394	1,089,558	1,254,973	1,145,450	1,186,297	1,225,301	1,287,925
6140 Severance Pay	61,017	-	9,756	-	-	14,909	-
6201 T.M.R.S.	4,339,571	6,155,520	4,482,890	7,336,202	4,573,106	5,385,809	4,824,902
6205 F.I.C.A.	1,421,447	1,506,222	1,565,534	1,572,123	1,648,183	1,647,444	1,715,497
6206 Suta	26,372	61,752	11,019	13,129	-	23,513	-
6210 Medicare	339,549	360,492	374,096	375,705	385,783	391,493	401,206
6214 Dental Insurance	137,682	139,156	141,817	264,830	354,927	302,614	357,023
6215 Hospitalization insurance	4,414,711	4,650,152	4,774,941	4,984,125	5,944,013	5,602,554	6,741,149
6216 Other Post-Employment Benefits (ins)	808,372	831,691	1,420,773	2,630,485	1,000,000	1,894,664	1,000,000
6220 Life Insurance	31,642	39,571	28,523	24,131	31,337	23,154	32,326
6221 Long Term Disability Insurance	59,593	(11,103)	17,589	36,085	52,830	47,685	54,803
6225 Workers Compensation	623,904	659,233	682,647	684,077	666,285	715,389	691,732
6230 Vacation leave	30,308	300,656	90,839	109,821	338,266	672,658	351,425
6235 Sick leave	317,970	596,233	272,034	117,671	372,103	(1,275,842)	386,650
6240 Educational assistance	7,518	20,913	20,335	12,074	39,800	6,978	28,800
6242 Auto Benefits	83,864	86,637	87,006	97,991	94,500	94,500	102,000
6243 Telephone Benefits	14,004	15,117	15,122	16,640	16,801	14,604	15,121
6250 Miscellaneous personnel benefits	166,700	78,434	125,746	106,496	2,391,419	98,156	276,500
6260 Vacancy Savings	-	-	-	-	(1,960,082)	-	(1,375,979)
6266 RESTORE Offset-Personnel	-	-	-	-	(301,770)	-	(502,920)
<b>Personnel O&amp;M Total</b>	<b>36,893,641</b>	<b>41,151,030</b>	<b>40,951,849</b>	<b>45,018,656</b>	<b>43,485,219</b>	<b>43,358,716</b>	<b>44,094,629</b>
<b>Non-personnel O&amp;M</b>							
7101 Advertising	180,647	177,220	188,470	178,989	286,300	174,018	185,800
7102 Sponsorships	156,750	160,650	161,800	162,400	204,500	142,965	135,000
7105 Books & periodicals	12,227	35,503	11,191	9,893	33,900	8,463	22,755
7110 Dues & memberships	170,109	187,042	170,052	163,012	150,819	163,097	139,688
7115 Educational material	23,096	46,841	20,856	16,369	38,850	2,847	6,700
7120 Office supplies	167,112	165,676	157,526	156,550	184,025	123,199	150,240
7125 Photo equipment/supplies	711	1,381	201	271	1,750	300	1,300
7130 Postage/shipping charges	353,948	343,902	351,766	365,490	406,425	331,771	390,775
7135 Telephone expenses	448,567	379,564	343,737	352,616	383,554	370,561	376,758
7140 Training expenses	198,562	173,401	202,880	194,274	206,981	92,927	188,099
7145 Travel expenses	311,336	292,817	320,344	252,250	321,760	129,303	145,749
7147 Mileage Reimbursement (InTownExp)	651	176	468	951	3,232	2,046	3,712
7150 Recruitment Expenses	4,058	4,999	2,227	3,148	5,000	1,472	2,000
7155 Initial Certificatn/Licensing Reimb	829	460	-	298	300	-	1,800
7180 Utilities - departmental	2,759,301	2,628,572	2,601,678	2,588,319	2,773,388	2,650,561	2,727,851
7190 Utilities - CP&L & Mvec	102,037	92,994	98,953	93,424	129,200	101,866	103,150
7199 Miscellaneous office expenses	-	249	462	27	1,050	3,477	550
7201 Barricades & signs	1,844	7,003	4,775	1,844	12,650	5,571	6,490
7203 Sand, Caliche, Gravel, Concrete etc	362,621	151,857	177,968	79,446	265,200	38,170	98,700
7205 Lamps, globes & flares	6,328	3,738	13,296	8,510	15,000	7,504	10,000
7210 Landscaping/Trade a Tree Program	2,493	5,379	3,631	4,081	13,750	1,763	13,150
7215 Laundry & janitorial supplies	3,906	5,492	3,978	3,004	9,060	3,805	8,510
7220 Medical supplies	302	-	176	306	2,100	-	1,100
7225 Safety supplies	97,641	101,307	106,257	136,859	169,883	269,091	175,560
7251 Purchased of Raw Water	17,421	41,913	31,703	26,750	50,000	27,778	40,000
7279 Ultraviolet light system expenses	-	37,308	64,831	277,680	289,313	208,187	250,000
7280 Chemicals - activated carbon	61,363	61,108	56,967	40,447	67,178	53,970	70,032
7281 Chemicals - ammonia	88,240	92,459	97,683	81,413	105,221	79,386	110,498
7282 Chemicals - caustic soda	65,338	41,024	108,291	127,479	115,441	110,681	121,503
7283 Chemicals - chlorine	204,344	204,156	183,820	204,616	276,396	222,900	277,882
7284 Chemicals - coagulant	697,001	662,419	772,027	587,756	893,649	672,944	799,169
7285 Chemicals - copper sulphate	2,700	-	3,935	3,415	5,000	3,532	4,000
7286 Chemicals - deodorants	7,688	8,922	8,436	12,079	16,700	5,362	10,000
7288 Chemicals - ferric chloride	-	-	6,638	406	-	-	-
7290 Chemicals - sodium chloride	100,659	96,997	108,709	119,824	142,120	127,280	160,820
7293 Chemicals - other	1,635,142	1,098,473	682,534	384,329	507,561	375,207	457,702
7299 Other materials & supplies	1,433,044	1,528,162	1,643,087	1,482,759	1,537,037	1,669,587	1,608,850
7301 Bad debt expense	652,361	1,046,123	397,079	474,191	402,500	609,378	384,300
7302 Bankruptcy expenses	(4,865)	1,225	-	(326)	-	(2,024)	-
7304 Hurricane Preparedness Expenses	220,972	216,611	219,600	269,550	250,700	353,394	265,700
7305 ERCOT expenses	257,995	678,728	1,432,298	977,679	1,630,000	1,281,303	942,000

continued



# OPERATIONS & MAINTENANCE EXPENSE RECAP BY ACCOUNT - CONTINUED

## FY 2016 - FY 2021

Account	Actual 2016	Actual 2017	Actual 2018	Actual 2019	Approved Budget 2020	Unaudited Actual 2020	Approved Budget 2021
<b>Non-personnel O&amp;M - cont.</b>							
7310 Federal, state, & local fees	405,776	479,293	427,059	465,909	468,525	435,630	507,100
7315 Food, meals, ice, water	49,168	55,446	60,540	54,055	78,671	37,970	52,975
7320 Official functions	28,313	30,438	24,905	22,936	34,800	4,910	9,300
7322 Recognition Program	72,491	71,523	67,642	90,166	85,600	63,350	75,600
7325 Rental of equip/storage/land	454,255	434,021	577,303	465,221	611,243	575,455	476,669
7330 Right of way fees	44,068	33,240	48,834	42,453	45,000	32,676	295,000
7335 Wearing apparel & dry goods	266,324	296,757	418,297	303,513	254,686	129,175	187,153
7340 Promo Exp-Enrgy Efficiency & Consvr	27,141	26,011	23,859	17,275	28,000	13,400	25,000
7345 Rebate Exp-Enrgy Efficiency & Cnsrv	297,430	244,929	263,060	265,537	200,000	231,916	195,000
7346 Water Efficiency Program	-	10,831	5,986	-	10,000	-	7,000
7347 Commercial & Industrial Rebate Prog	143,818	193,851	151,386	189,137	200,000	128,488	170,000
7348 Customer Assistance Program	12,739	19,085	20,695	15,029	50,000	35,033	30,000
7380 Insurance - general liability	66,058	52,623	62,357	57,560	72,000	116,063	55,000
7381 Insurance - boiler,mchnry,property	1,002,998	1,030,357	929,602	915,779	1,330,000	1,116,362	1,600,000
7382 Insurance - blanket bond	4,141	4,191	3,706	5,670	4,500	5,721	6,500
7384 Insurance - public officials liab	67,870	66,497	64,142	63,559	76,500	65,096	75,500
7385 Insurance - comprehensive auto liab	107,236	118,506	136,025	128,417	152,000	148,608	166,000
7386 Insurance - umbrella liability	397,707	399,491	444,123	441,203	515,000	451,642	490,000
7387 Insurance - self insured damages	75,098	77,106	14,695	17,197	250,000	13,359	30,000
7388 Excess Workers Compensation	69,580	63,660	55,057	59,284	-	44,907	58,607
7405 Auto body repairs	8,611	18,867	12,185	-	15,000	12,646	10,000
7410 Batteries	16,016	20,567	9,791	-	-	-	-
7415 Fuels & lubricants	475,738	529,654	692,546	673,329	656,425	512,516	666,656
7420 Parts	396,709	375,199	476,721	497,530	400,000	447,961	375,000
7425 Road service	24,266	25,710	27,346	56,275	40,000	77,508	50,000
7430 Tires	85,115	97,441	89,662	52,550	55,000	45,630	35,000
7501 Maint. of buildings & structures	208,083	107,279	80,690	173,842	807,908	310,272	306,572
7505 Maint. of communication equipment	12,856	31,712	8,938	10,023	25,250	7,007	20,900
7515 Maint. of major equipment	388,253	387,352	2,108,571	1,573,072	695,272	571,651	739,700
7520 Maint. of minor equipment	68,040	101,049	47,410	18,847	71,610	62,377	66,110
7525 Maint. of boiler plant	305,113	166,938	231,840	58,587	250,000	158,969	574,000
7530 Maint. of electric meters	106,787	128,331	207,575	230,169	175,000	166,408	200,000
7535 Maint. of electric plant	-	-	167	-	-	508	-
7540 Maint. of line transformers	86,326	140,489	115,417	85,560	162,800	89,225	100,000
7550 Maint. of overhead lines	89,311	41,872	123,997	154,722	162,500	117,713	120,000
7555 Maint. of station equipment	69,057	42,235	20,195	24,624	35,000	28,009	30,000
7565 Maint. of street lighting & signals	172,126	163,327	192,632	409,983	375,000	951,224	445,000
7570 Maint. of underground lines	363,392	297,007	338,059	291,352	231,500	238,950	222,100
7574 Maintenance of wells	12,053	10,870	54,796	111,276	110,000	61,355	50,000
7575 Maint. of water meters	361,889	268,530	384,533	333,872	425,000	397,698	250,000
7577 Maint. of distribution mains	162,839	111,944	77,903	83,423	100,000	70,510	85,000
7580 Maint. of reservoirs	148,145	51,928	297,945	59,278	274,606	180,475	268,016
7581 Maint. of resacas	332	3,581	6,777	20,600	101,000	131,581	26,500
7585 Maint. of sewer force mains	6,663	4,073	4,243	557	50,000	1,618	10,000
7586 Maint. of sewer gravity lines	36,947	18,860	61,125	40,809	80,000	50,021	50,000
7599 Maintenance / other	67,908	69,740	58,524	42,208	56,500	46,475	42,000
7601 Legal Fees	1,630,144	2,243,880	2,094,300	2,141,679	1,702,500	2,220,556	1,759,000
7605 Engineering fees	581,480	540,408	401,593	619,202	687,992	450,017	1,200,752
7610 Financial advisor services	63,669	60,000	131,850	45,000	85,000	130,388	75,000
7615 External auditor fees	58,000	50,000	56,500	56,500	85,000	15,205	85,000
7620 Environmental consulting fees	91,809	59,606	89,836	27,865	100,000	64,597	92,500
7630 Construction contractor services	583,735	387,892	493,814	471,148	634,935	381,014	390,000
7635 Software maintenance service fees	925,227	930,588	866,599	1,278,408	1,586,924	1,444,868	1,552,859
7645 Maintenance services	1,641,312	1,761,832	2,955,197	2,646,134	2,971,290	2,130,879	2,169,999
7650 Security services	387,497	510,467	557,551	632,059	1,009,142	1,188,184	1,344,900
7655 Hauling Services	78,519	103,585	77,306	141,694	112,000	66,895	100,000
7660 Ground Keeping Maintenance	293,365	324,158	352,148	366,444	379,293	396,784	420,000
7696 RESTORE Offset-Nonpersonnel	-	-	-	-	(133,341)	-	(1,447,449)
7697 O&M Contingency-Maintenance Pool	-	-	-	-	500,000	-	400,000
7698 O&M Contingency-Budget Pool	-	-	-	-	850,000	-	400,000
7699 Other services	3,377,486	3,461,446	3,525,877	3,814,701	5,794,787	4,122,394	4,052,239
7801 Communication equipment	52,363	70,782	90,245	51,134	53,400	26,594	46,600
7805 Computer equipment	268,894	216,744	307,179	303,387	442,558	540,838	619,323
7806 Software licenses-new	29,833	120,677	132,158	138,653	345,872	151,722	177,175
7810 Laboratory equipment	41,458	72,983	78,697	95,515	79,091	69,768	77,700
7820 Office furniture & equipment	118,549	80,949	84,612	70,591	89,779	46,475	56,462
7830 Pumping equipment	183,899	202,099	180,894	194,386	218,000	210,612	156,500
7835 Tools, shop and garage equipment	120,180	90,674	79,854	70,488	87,000	71,255	62,175
7840 Water treatment equipment	10,971	21,702	33,460	29,674	45,000	34,668	22,000
7899 Other minor tools & equipment	196,393	344,087	401,219	450,331	567,255	512,450	414,103
<b>Non-personnel O&amp;M Total</b>	<b>28,804,046</b>	<b>29,358,822</b>	<b>33,280,081</b>	<b>32,109,752</b>	<b>40,022,866</b>	<b>33,087,871</b>	<b>33,879,689</b>

continued



# OPERATIONS & MAINTENANCE EXPENSE RECAP BY ACCOUNT - CONTINUED

## FY 2016 - FY 2021

Account	Actual 2016	Actual 2017	Actual 2018	Actual 2019	Approved Budget 2020	Unaudited Actual 2020	Approved Budget 2021
<b>Type 77 - Fuel &amp; Purchased Power</b>							
7701 Fuel - Natural gas - Silas Ray	644,625	1,042,911	1,073,744	1,235,346.35	1,200,000	1,198,891	2,000,000
7702 Fuel - Natural Gas - Hidalgo Energy	7,768,473	9,003,032	10,222,283	7,491,013.32	7,000,000	8,021,431	9,000,000
7703 Fuel - Diesel oil - Silas Ray	1,269	-	-	-	-	-	-
7704 Fuel - TETCO/Hinshaw Pipeline	600,647	631,662	664,305	551,861.01	500,000	838,119	900,000
7705 Fuel - Coal - Oklaunion	7,500,314	6,380,124	7,538,764	9,304,377.35	10,000,000	3,778,547	-
7706 Fuel-Diesel-Distributed Generation	-	-	-	-	35,000	-	10,000
7707 Fuel - Diesel oil - Oklaunion	171,250	180,013	62,776	197,593.44	150,000	90,616	-
7708 Fuel - Natural Gas Transp-SilasRay	53,643	93,473	97,237	79,090.11	120,000	122,914	200,000
7714 Pchp - Wind Resources	8,915,000	10,454,540	9,091,589	7,979,936	9,000,000	3,149,159	6,000,000
7720 Pchp - Resource Imbalance	789,572	1,649,817	1,515,735	6,936,621	3,000,000	6,653,338	4,500,000
7721 Pchp - Economy power	8,984,607	8,679,811	11,982,163	6,027,609	6,000,000	7,169,856	9,000,000
7724 Pchp - Fixed Energy - AEP PPA	-	-	-	-	-	-	13,930,000
7726 Pchp - Bilateral Energy Expns-Gas	-	-	-	-	10,000	-	8,236
7727 Pchp - Bilateral Energy-Gas Transp	-	-	-	-	1,000	-	824
7728 Pchp - Bilateral Energy Exp-Coal	-	-	-	-	10,000	-	-
7729 Pchp - TCOS (Wheeling)	7,935,284	8,328,774	8,032,710	8,043,011	8,500,000	8,675,265	7,000,175
7731 Pchp - Fixed expenses - Oklaunion	5,098,846	4,873,643	4,641,903	4,352,561	4,820,560	3,805,918	500,000
7732 Pchp - Hidalgo Fixed Operation Fee	3,148,987	4,392,322	3,346,971	3,213,956	3,950,785	3,231,030	4,345,864
7733 Pchp - Bilateral Ancillary Services	1,198,774	1,224,823	2,080,658	3,159,197	1,800,000	1,473,738	1,800,000
7736 Pchp - QSE Charges	383,500	399,050	400,703	402,416	420,000	404,101	420,000
7737 Pchp - Ercot Charges	1,046,865	1,339,038	1,432,188	1,119,473	1,300,000	1,055,882	1,300,000
7738 Pchp - CSC Congestion Cost (CSCBE)	927,058	3,911,871	588,547	2,122,757	2,500,000	4,932,015	2,000,000
7740 Power marketing services	283,249	148,389	318,562	495,848	300,000	321,856	300,000
7750 Pchp - Real Time Energy - Wind	-	1,094,964	1,467,415	2,676,969	1,500,000	4,310,175	3,294,200
7751 Pchp - Reliability Unit Cmt Exp-Gas	98,846	99,641	47,274	-	150,000	2,203	82,355
7752 Pchp - Reliab Unit Cmt - Gas Transp	12,632	6,953	3,319	-	15,000	304	8,236
7753 Pchp - Day Ahead Energy Exp-Gas	848,692	70,284	66,202	276,008	500,000	941,764	164,710
7754 Pchp - Day Ahead Energy-Gas Transp	94,746	6,558	4,228	24,245	50,000	77,604	16,471
7755 Pchp - Real Time Energy Exp-Gas	1,668,337	1,721,091	1,411,322	2,677,424	3,000,000	1,928,397	1,482,390
7756 Pchp - Real Time Energy - Gas Transp	171,278	128,448	101,511	185,027	300,000	197,919	148,239
7757 Pchp - Reliab Unit Cmt - Coal	-	-	-	-	10,000	-	-
7758 Pchp - Day Ahead Energy-Coal	-	-	-	-	10,000	-	-
7759 Pchp - Real Time Energy - Coal	1,641,154	1,188,008	2,199,805	1,424,261	2,000,000	387,351	-
7760 Pchp - Day Ahead Energy-Wind	-	-	-	487,155	-	3,228,190	1,894,165
<b>Fuel &amp; Purchased Power Total</b>	<b>59,987,648</b>	<b>67,049,242</b>	<b>68,391,914</b>	<b>70,463,755</b>	<b>68,152,345</b>	<b>65,996,582</b>	<b>70,305,865</b>
<b>SRWA</b>							
7306 SRWA O&M Assessment	3,752,642	3,719,365	3,844,573	3,818,338	3,785,726	3,785,726	3,960,083
7307 SRWA Dbt Svc Assessment	2,158,034	2,159,360	2,090,064	2,134,891	2,113,521	2,113,521	2,110,980
<b>SRWA Total</b>	<b>5,910,676</b>	<b>5,878,725</b>	<b>5,934,637</b>	<b>5,953,229</b>	<b>5,899,247</b>	<b>5,899,247</b>	<b>6,071,063</b>
<b>TOTAL OPERATIONS &amp; MAINTENANCE</b>	<b>\$ 131,596,011</b>	<b>\$ 143,437,819</b>	<b>\$ 148,558,482</b>	<b>\$ 153,545,391</b>	<b>\$ 157,559,677</b>	<b>\$ 148,342,416</b>	<b>\$ 154,351,246</b>
<b>Less:</b>							
Fuel & Purchased Power	\$ 59,987,648	\$ 67,049,242	\$ 68,391,914	\$ 70,463,755	\$ 68,152,345	\$ 65,996,582	\$ 70,305,865
SRWA Assessments	5,910,676	5,878,725	5,934,637	5,953,229	5,899,247	5,899,247	6,071,063
<b>TOTAL APPROVED O&amp;M BUDGET</b>	<b>\$ 65,697,687</b>	<b>\$ 70,509,852</b>	<b>\$ 74,231,931</b>	<b>\$ 77,128,408</b>	<b>\$ 83,508,085</b>	<b>\$ 76,446,587</b>	<b>\$ 77,974,318</b>

**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 2021

ORG. NO.	DEPARTMENT	TYPE DESCRIPTION					
		61 SALARIES & WAGES	62 PERSONNEL SERVICES	71 OFFICE EXPENSES	72 MATERIALS & SUPPLIES	73 MISC. GENERAL EXP.	74 TRANSP. EXP.
1110	General Manager	\$ 368,812	\$ 87,183	\$ 42,300	\$ 2,000	\$ 4,100	\$ -
1120	Internal Audit	247,562	109,652	15,152	100	500	150
1125	Key Account Marketing	177,033	88,098	14,450	250	8,000	800
1130	Communications & Administrative Svc	162,698	71,149	4,200	750	5,000	-
1135	Communications & Public Relations	180,086	71,622	245,600	900	8,250	100
1140	Training and Organizational Development	200,470	86,939	5,950	200	2,950	-
1145	Electrical Systems	410,074	159,912	6,000	250	300	-
1150	Board of Directors	-	-	73,000	500	5,500	-
1165	Records Management	169,667	78,714	7,325	600	24,500	500
1170	Digital Information Platforms	66,518	32,092	18,800	-	-	-
1410	Environmental Services	404,897	202,926	16,600	24,500	478,100	1,200
1420	Environmental Compliance	394,768	174,139	19,350	14,750	34,750	2,000
1422	Analytical Lab	779,267	377,482	73,500	195,600	34,950	6,000
1430	Pre-treatment	360,024	162,626	11,385	11,000	10,000	6,000
1435	Cross Connection Control	124,823	63,454	10,150	11,550	3,000	1,000
1440	Health & Safety	217,603	92,709	22,700	23,500	27,600	4,000
2120	Substations and Relaying	1,126,153	485,362	112,250	74,750	20,500	17,000
2130	Electric Trans & Dist Construction and Maintenance	1,486,548	763,766	10,800	153,250	26,500	90,000
2150	Energy Control Center Operations	1,047,896	445,782	48,325	5,800	5,950	100
2210	SCADA & Electrical Support Services	1,282,484	603,777	17,500	310,000	390,000	26,000
2220	Power Production	1,595,112	724,995	245,200	110,500	38,800	6,000
2310	Electric Meter Shop	333,381	183,226	5,150	35,000	8,400	10,000
2410	Electric Engineering	541,431	239,218	20,500	4,000	3,600	3,000
3110	W&WW Eng, Planning & Operations	185,961	91,604	15,100	-	1,000	-
3120	Water Plant I	388,515	190,683	234,570	868,299	7,700	1,500
3130	Water Plant II	294,831	160,332	223,124	668,534	33,000	1,200
3135	Resaca Maintenance	396,059	(298,512)	17,084	264,000	273,890	149,746
3140	Raw Water Supply	147,378	86,242	138,790	66,600	6,600	6,000
3145	W/WW Plant Maintenance	539,391	281,967	5,784	50,000	14,800	15,000
3150	W/WW Operations & Construction	1,626,437	840,724	26,300	282,600	19,600	75,000
3155	W/WW Operations & Maintenance	1,244,469	627,848	25,000	206,100	16,600	50,000
3160	Potable Water Transport Services	76,224	37,126	2,400	8,000	2,500	5,000
3210	South Wastewater Treatment Plant	327,967	165,954	437,321	140,173	5,875	1,300
3220	Robindale Wastewater Treatment Plnt	502,640	257,550	507,042	329,700	8,145	5,000
3225	W/WW Sludge Management	317,211	169,855	2,752	16,050	3,743	50,000
3230	Wastewater Lift Stations	955,534	419,269	508,516	105,200	36,100	45,000
3310	Water & Wastewater Engineering	670,768	321,625	22,700	2,000	7,488	7,500
4105	Operations	429,659	164,576	19,091	2,000	1,200	-
4110	Energy Risk Management	91,728	32,072	5,824	400	500	-
4115	Asset Management	1,009	-	25,591	2,000	1,200	-
4210	NERC Compliance	352,664	145,704	2,848	150	71,800	-
4220	Fuel & Purchased Energy Supply	134,950	64,679	6,450	-	750,700	-
4230	Natural Gas Utility Management	-	-	-	-	-	-
4310	Operational Support Services	403,989	165,368	10,900	750	2,000	-
5110	Finance	672,118	271,806	24,463	100	6,200	-
5120	Accounting	687,858	330,104	16,867	175	3,081	-
5130	Purchasing	349,348	166,272	45,550	1,450	4,600	-
5140	Revenue Recovery	140,760	74,131	3,292	9,535	2,408	3,000
6105	Customer & Information Services	202,072	89,881	8,550	-	31,000	-
6110	Customer Service	520,550	277,760	7,920	-	4,500	-
6115	Collections	149,562	84,777	1,000	600	300,200	-
6120	Billing	358,210	198,087	348,875	68,000	87,300	3,500
6125	Call Center	417,432	261,369	2,720	-	225	-
6130	Meter Services	347,585	195,408	6,220	19,000	15,200	25,000
6135	CIS Support	180,192	74,165	2,100	500	600	-
6145	Energy Efficiency & Conservation	50,232	27,755	1,700	-	397,100	500
6150	Meter Reading	402,070	236,854	9,350	20,000	16,200	20,000
6160	Cashiers	270,778	155,204	6,500	-	200	-
7120	Risk/Insurance Management	152,131	77,470	3,146	100	2,481,707	1,500
7130	Information Technology	1,096,725	493,193	225,000	7,000	500	1,200
7135	Geographic Information Systems	465,130	232,172	8,300	2,500	148,000	4,000
7140	Human Resources	215,647	175,327	5,124	500	63,700	-
7145	Talent Acquisition & Staffing	170,747	88,825	6,100	200	230	-
7150	Fleet Management	365,462	179,474	28,800	16,400	23,500	489,000
7155	Compensation & Benefits	232,419	154,799	4,460	400	1,500	-
7160	Facility Maintenance	157,570	79,862	407,316	43,500	3,100	180
7165	Security Operations	132,267	57,442	1,800	5,500	-	-
7170	Warehouse	171,071	110,983	-	11,200	1,793	2,500
7175	Facility Maintenance-FM 511 Service Yard	128,695	78,855	123,400	25,000	1,570	180
9110	Company-wide Expenses	193,070	1,698,777	-	-	6,175,362	-
	Grand Total	\$ 28,994,393	\$ 15,100,236	\$ 4,581,927	\$ 4,223,966	\$ 12,175,467	\$ 1,136,656
LESS:							
	Fuel & Purchase Power	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	SRWA Obligations	-	-	-	-	6,071,063	-
	TOTAL OPERATIONS & MAINTENANCE	\$ 28,994,393	\$ 15,100,236	\$ 4,581,927	\$ 4,223,966	\$ 6,104,404	\$ 1,136,656



# OPERATIONS & MAINTENANCE EXPENSE RECAP BY DEPARTMENT & TYPE FY 2021 (continued)

ORG. NO.	DEPARTMENT	TYPE DESCRIPTION				GRAND TOTAL
		75 MAINT. OF GENERAL PLANT	76 CONSULTANTS/ OUTSIDE SVC.	77 FUEL & PURCH. POWER	78 PURCH/MINOR TOOLS & EQUIP.	
1110	General Manager	\$ -	\$ 1,225,000	\$ -	\$ 1,800	\$ 1,731,196
1120	Internal Audit	-	-	-	-	373,115
1125	Key Account Marketing	-	5,000	-	3,200	296,831
1130	Communications & Administrative Svc	-	15,000	-	-	258,797
1135	Communications & Public Relations	-	150,000	-	6,200	662,758
1140	Training and Organizational Development	-	77,550	-	-	374,060
1145	Electrical Systems	-	375	-	1,075	577,986
1150	Board of Directors	-	50,000	-	-	129,000
1165	Records Management	-	217,000	-	18,945	517,251
1170	Digital Information Platforms	-	27,000	-	6,588	150,999
1410	Environmental Services	-	140,500	-	3,700	1,272,423
1420	Environmental Compliance	30,000	311,600	-	2,650	984,008
1422	Analytical Lab	50,000	245,000	-	68,300	1,830,100
1430	Pre-treatment	10,000	37,500	-	5,500	614,035
1435	Cross Connection Control	-	307,000	-	1,200	522,177
1440	Health & Safety	-	406,000	-	24,000	818,112
2120	Substations and Relaying	86,000	30,000	-	29,500	1,981,515
2130	Electric Trans & Dist Construction and Maintenance	643,000	15,000	-	205,700	3,394,563
2150	Energy Control Center Operations	2,000	1,000	-	2,800	1,559,653
2210	SCADA & Electrical Support Services	15,000	307,000	-	64,000	3,015,761
2220	Power Production	1,151,010	245,000	4,845,864	23,050	8,985,531
2310	Electric Meter Shop	201,500	1,000	-	2,200	779,856
2410	Electric Engineering	207,500	759,000	-	14,100	1,792,349
3110	W&WW Eng, Planning & Operations	-	5,800	-	1,200	300,665
3120	Water Plant I	99,560	150,700	-	37,300	1,978,827
3130	Water Plant II	48,956	10,650	-	20,228	1,460,854
3135	Resaca Maintenance	1,500	(647,697)	-	11,925	167,995
3140	Raw Water Supply	171,000	86,000	-	5,317	713,926
3145	W/WW Plant Maintenance	-	400,000	-	15,400	1,322,342
3150	W/WW Operations & Construction	111,250	398,750	-	64,700	3,445,360
3155	W/WW Operations & Maintenance	297,250	326,750	-	67,700	2,861,717
3160	Potable Water Transport Services	3,500	-	-	2,000	136,750
3210	South Wastewater Treatment Plant	138,372	53,999	-	16,600	1,287,560
3220	Robindale Wastewater Treatment Plnt	252,500	48,100	-	23,100	1,933,777
3225	W/WW Sludge Management	-	-	-	800	560,411
3230	Wastewater Lift Stations	51,600	215,000	-	157,500	2,493,719
3310	Water & Wastewater Engineering	400	225,000	-	1,900	1,259,380
4105	Operations	-	100,300	-	-	716,826
4110	Energy Risk Management	-	80,000	-	4,600	215,124
4115	Asset Management	-	150,300	-	-	180,100
4210	NERC Compliance	-	1,000	-	5,000	579,166
4220	Fuel & Purchased Energy Supply	-	18,500	65,460,001	5,500	66,440,780
4230	Natural Gas Utility Management	-	15,000	-	-	15,000
4310	Operational Support Services	-	104,739	-	500	688,245
5110	Finance	-	255,000	-	1,800	1,231,488
5120	Accounting	-	51,189	-	1,295	1,090,569
5130	Purchasing	-	10,395	-	1,240	578,855
5140	Revenue Recovery	-	-	-	175	233,301
6105	Customer & Information Services	-	41,500	-	-	373,003
6110	Customer Service	-	55,000	-	3,500	869,229
6115	Collections	-	7,000	-	-	543,139
6120	Billing	-	6,500	-	500	1,070,972
6125	Call Center	-	30,000	-	2,850	714,596
6130	Meter Services	2,500	4,500	-	1,500	616,914
6135	CIS Support	-	245,000	-	-	502,557
6145	Energy Efficiency & Conservation	-	73,000	-	1,300	551,587
6150	Meter Reading	1,000	20,000	-	1,500	726,974
6160	Cashiers	-	572,500	-	6,000	1,011,182
7120	Risk/Insurance Management	-	102,000	-	600	2,818,654
7130	Information Technology	-	1,022,900	-	575,000	3,421,518
7135	Geographic Information Systems	-	110,000	-	5,500	975,603
7140	Human Resources	-	190,000	-	500	650,798
7145	Talent Acquisition & Staffing	-	40,000	-	-	306,103
7150	Fleet Management	-	370,000	-	16,500	1,489,135
7155	Compensation & Benefits	-	51,500	-	-	445,078
7160	Facility Maintenance	20,000	640,400	-	4,000	1,355,928
7165	Security Operations	-	1,335,500	-	10,000	1,542,510
7170	Warehouse	500	24,500	-	10,400	332,947
7175	Facility Maintenance-FM 511 Service Yard	10,000	206,000	-	2,100	575,800
9110	Company-wide Expenses	-	815,000	-	60,000	8,942,209
	Grand Total	\$ 3,605,898	\$ 12,594,799	\$ 70,305,865	\$ 1,632,038	\$ 154,351,246
LESS:						
	Fuel & Purchase Power	\$ -	\$ -	\$ 70,305,865	\$ -	\$ 70,305,865
	SRWA Obligations	-	-	-	-	6,071,063
	<b>TOTAL OPERATIONS &amp; MAINTENANCE</b>	<b>\$ 3,605,898</b>	<b>\$ 12,594,799</b>	<b>\$ -</b>	<b>\$ 1,632,038</b>	<b>\$ 77,974,318</b>



# OPERATIONS & MAINTENANCE EXPENSE RECAP BY DEPARTMENT

## FY 2017 – FY 2021

ORG. NO.	DEPARTMENT	Actual FY 2017	Actual FY 2018	Actual FY 2019	Approved Budget FY 2020	UNAUDITED Actual FY 2020	Approved Budget FY 2021
1110	General Manager	\$ 2,117,848	\$ 1,917,207	\$ 2,186,863	\$ 1,729,253	\$ 2,021,712	\$ 1,731,196
1120	Internal Audit	301,273	308,051	341,619	353,819	353,733	373,115
1125	Key Account Marketing	337,754	286,937	300,570	304,418	279,112	296,831
1130	Communications & Administrative Svc	256,773	254,792	230,732	268,300	321,924	258,797
1135	Communications & Public Relations	804,296	823,557	634,337	983,127	684,961	662,758
1140	Training and Organizational Development	302,752	422,531	386,244	406,943	363,744	374,060
1145	Electrical Systems	451,865	453,343	363,019	452,313	281,092	577,986
1150	Board of Directors	310,738	210,423	115,832	164,598	108,045	129,000
1165	Records Management	346,167	389,829	369,756	710,942	390,729	517,251
1170	Digital Information Platforms	-	-	-	-	-	150,999
1410	Environmental Services	1,183,727	1,036,847	1,164,494	1,310,916	1,178,659	1,272,423
1420	Environmental Compliance	958,689	885,039	866,583	986,286	977,411	984,008
1422	Analytical Lab	1,636,404	1,771,911	1,674,429	1,891,150	1,685,680	1,830,100
1430	Pre-treatment	591,418	601,065	629,044	582,769	559,400	614,035
1435	Cross Connection Control	212,997	225,212	259,090	753,774	488,168	522,177
1440	Health & Safety	1,387,180	1,567,202	1,351,340	963,147	827,400	818,112
2120	Substations and Relaying	2,016,455	1,905,214	1,958,950	1,953,165	2,212,968	1,981,515
2130	Electric Trans & Dist Construction and Maint	1,307,246	1,502,979	3,450,567	3,376,511	4,128,131	3,394,563
2140	Elec Trans & Dist Maintenance	1,752,987	1,377,060	(7,767)	-	-	-
2150	Energy Control Center Operations	1,562,728	1,587,458	1,500,416	1,501,217	1,455,701	1,559,653
2210	SCADA & Electrical Support Services	2,232,002	2,785,645	2,737,047	2,915,908	3,126,565	3,015,761
2220	Power Production	12,629,747	13,049,194	11,631,729	12,666,935	10,291,038	8,985,531
2310	Electric Meter Shop	640,743	839,893	781,223	745,445	684,133	779,856
2410	Electric Engineering	2,121,771	1,973,524	2,111,237	1,945,996	2,036,084	1,792,349
3110	W&WW Eng, Planning & Operations	231,042	266,665	150,451	188,481	336,943	300,665
3120	Water Plant I	1,512,472	1,948,602	1,762,555	2,315,763	1,764,720	1,978,827
3130	Water Plant II	1,277,117	1,334,659	1,268,199	1,690,118	1,457,608	1,460,854
3135	Resaca Maintenance	587,504	889,011	877,325	433,977	937,120	167,995
3140	Raw Water Supply	486,526	833,141	513,911	884,531	710,236	713,926
3145	W/WW Plant Maintenance	1,360,653	1,757,464	1,646,761	1,590,986	1,139,363	1,322,342
3150	W/WW Operations & Construction	5,162,830	5,255,239	5,436,217	6,359,029	4,631,566	3,445,360
3155	W/WW Operations & Maintenance	-	-	-	-	844,723	2,861,717
3160	Potable Water Transport Services	-	-	-	-	21,345	136,750
3210	South Wastewater Treatment Plant	1,205,394	1,297,187	1,302,325	1,543,336	1,337,872	1,287,560
3220	Robindale Wastewater Treatment Plnt	1,923,773	1,983,318	1,897,881	1,962,974	1,760,689	1,933,777
3225	W/WW Sludge Management	-	-	675,080	550,907	558,439	560,411
3230	Wastewater Lift Stations	4,039,709	3,764,686	3,813,108	3,852,837	2,702,365	2,493,719
3310	Water & Wastewater Engineering	720,178	917,010	812,608	1,182,155	1,014,455	1,259,380
4105	Operations	795,565	926,358	718,795	737,897	679,088	716,826
4110	Energy Risk Management	169,777	202,843	223,401	188,796	345,749	215,124
4115	Asset Management	-	-	-	-	-	180,100
4210	NERC Compliance	519,202	524,592	662,098	650,205	498,784	579,166
4220	Fuel & Purchased Energy Supply	58,498,007	61,853,777	63,792,061	60,930,771	60,289,743	66,440,780
4230	Natural Gas Utility Management	-	-	-	5,000	-	15,000
4310	Operational Support Services	580,408	589,386	931,672	1,591,133	1,233,123	688,245
5110	Finance	952,463	1,123,472	1,086,956	1,180,628	1,332,473	1,231,488
5120	Accounting	993,624	1,007,649	1,097,200	1,089,860	1,082,056	1,090,569
5130	Purchasing	588,779	571,702	556,991	558,759	563,912	578,855
5140	Revenue Recovery	205,914	220,757	211,747	221,102	225,029	233,301
6105	Customer & Information Services	357,399	334,306	368,123	380,090	357,426	373,003
6110	Customer Service	808,466	889,551	846,460	833,167	842,267	869,229
6115	Collections	1,202,508	447,066	650,993	539,256	457,709	543,139
6120	Billing	825,231	894,289	1,003,452	1,030,259	1,006,856	1,070,972
6125	Call Center	570,357	603,926	618,427	654,710	679,486	714,596
6130	Meter Services	556,073	557,557	596,066	579,369	534,822	616,914
6135	CIS Support	425,761	400,335	459,594	530,177	470,173	502,557
6145	Energy Efficiency & Conservation	574,794	544,029	620,241	587,777	516,219	551,587
6150	Meter Reading	650,955	668,398	699,285	675,984	670,826	726,974
6160	Cashiers	925,438	929,693	1,056,551	732,776	1,054,016	1,011,182
7120	Risk/Insurance Management	2,004,262	1,976,625	1,923,312	2,659,115	2,205,586	2,818,654
7130	Information Technology	2,659,318	3,012,244	2,930,896	3,154,158	3,319,480	3,421,518
7135	Geographic Information Systems	969,504	1,079,540	1,087,936	946,627	1,058,734	975,603
7140	Human Resources	663,631	599,450	824,225	699,358	789,126	650,798
7145	Talent Acquisition and Staffing	268,562	307,208	311,563	332,548	290,253	306,103
7150	Fleet Management	1,709,346	2,092,344	1,619,547	1,592,019	1,678,700	1,489,135
7155	Compensation & Benefits	475,736	430,257	380,059	504,175	444,410	445,078
7160	Facility Maintenance	1,218,516	1,187,474	1,259,686	1,231,233	1,544,257	1,355,928
7165	Security Operations	-	-	-	1,190,790	1,004,213	1,542,510
7170	Warehouse	325,384	350,055	325,604	302,370	352,045	332,947
7175	Facility Maintenance-FM 511 Service Yard	-	-	-	385,919	27,282	575,800
9110	Company-wide Expenses	8,967,383	7,811,709	11,488,674	11,341,623	9,114,740	8,942,209
9150	Prior FY Encumbered Budget	4,699	-	-	-	-	-
<b>TOTAL APPROPRIATIONS</b>		<b>\$ 143,437,819</b>	<b>\$ 148,558,482</b>	<b>\$ 153,545,392</b>	<b>\$ 157,559,677</b>	<b>\$ 148,342,416</b>	<b>\$ 154,351,246</b>
<b>LESS:</b>							
FUEL & PURCHASED POWER		\$ 67,049,242	\$ 68,391,914	\$ 70,463,755	\$ 68,152,345	\$ 65,996,582	\$ 70,305,865
SRWA ASSESSMENTS		5,878,725	5,934,637	5,953,229	5,899,247	5,899,247	6,071,063
<b>TOTAL OPERATIONS &amp; MAINTENANCE</b>		<b>\$ 70,509,852</b>	<b>\$ 74,231,931</b>	<b>\$ 77,128,408</b>	<b>\$ 83,508,085</b>	<b>\$ 76,446,587</b>	<b>\$ 77,974,318</b>

**Note:**

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



# OPERATIONS & MAINTENANCE EXPENSE RECAP BY DEPARTMENT FY 2021 BUDGET

ORGN	DEPARTMENT	OPERATIONS & MAINTENANCE		TOTAL O&M
		PERSONNEL	NON-PERSONNEL	
1110	General Manager	\$ 455,996	\$ 1,275,200	\$ 1,731,196
1120	Internal Audit	357,213	15,902	373,115
1125	Key Account Marketing	265,131	31,700	296,831
1130	Communications & Administrative Svc	233,847	24,950	258,797
1135	Communications & Public Relations	251,708	411,050	662,758
1140	Training and Organizational Development	287,410	86,650	374,060
1145	Electrical Systems	569,986	8,000	577,986
1150	Board of Directors	-	129,000	129,000
1165	Records Management	248,381	268,870	517,251
1170	Digital Information Platforms	98,610	52,388	150,999
1410	Environmental Services	607,823	664,600	1,272,423
1420	Environmental Compliance	568,908	415,100	984,008
1422	Analytical Lab	1,156,750	673,350	1,830,100
1430	Pre-treatment	522,650	91,385	614,035
1435	Cross Connecton Control	188,277	333,900	522,177
1440	Health & Safety	310,312	507,800	818,112
2120	Substations and Relaying	1,611,515	370,000	1,981,515
2130	Electric Trans & Dist Construction and Maintenance	2,250,313	1,144,250	3,394,563
2150	Energy Control Center Operations	1,493,678	65,975	1,559,653
2210	SCADA & Electrical Support Services	1,886,261	1,129,500	3,015,761
2220	Power Production	2,320,107	6,665,424	8,985,531
2310	Electric Meter Shop	516,606	263,250	779,856
2410	Electric Engineering	780,649	1,011,700	1,792,349
3110	W&WW Eng, Planning & Operations	277,565	23,100	300,665
3120	Water Plant I	579,198	1,399,629	1,978,827
3130	Water Plant II	455,162	1,005,692	1,460,854
3135	Resaca Maintenance	97,547	70,448	167,995
3140	Raw Water Supply	233,619	480,307	713,926
3145	W/WW Plant Maintenance	821,358	500,984	1,322,342
3150	W/WW Operations & Construction	2,467,160	978,200	3,445,360
3155	W/WW Operations & Maintenance	1,872,317	989,400	2,861,717
3160	Potable Water Transport Services	113,350	23,400	136,750
3210	South Wastewater Treatment Plant	493,920	793,640	1,287,560
3220	Robindale Wastewater Treatment Plnt	760,190	1,173,587	1,933,777
3225	W/WW Sludge Management	487,066	73,345	560,411
3230	Wastewater Lift Stations	1,374,803	1,118,916	2,493,719
3310	Water & Wastewater Engineering	992,392	266,988	1,259,380
4105	Operations	594,235	122,591	716,826
4110	Energy Risk Management	123,800	91,324	215,124
4115	Asset Management	1,009	179,091	180,100
4210	NERC Compliance	498,368	80,798	579,166
4220	Fuel & Purchased Energy Supply	199,629	66,241,151	66,440,780
4230	Natural Gas Utility Management	-	15,000	15,000
4310	Operational Support Services	569,357	118,889	688,245
5110	Finance	943,925	287,563	1,231,488
5120	Accounting	1,017,962	72,607	1,090,569
5130	Purchasing	515,620	63,235	578,855
5140	Revenue Recovery	214,891	18,410	233,301
6105	Customer & Information Services	291,953	81,050	373,003
6110	Customer Service	798,309	70,920	869,229
6115	Collections	234,339	308,800	543,139
6120	Billing	556,297	514,675	1,070,972
6125	Call Center	678,801	35,795	714,596
6130	Meter Services	542,993	73,920	616,914
6135	CIS Support	254,357	248,200	502,557
6145	Energy Efficiency & Conservation	77,987	473,600	551,587
6150	Meter Reading	638,924	88,050	726,974
6160	Cashiers	425,982	585,200	1,011,182
7120	Risk/Insurance Management	229,601	2,589,053	2,818,654
7130	Information Technology	1,589,918	1,831,600	3,421,518
7135	Geographic Information Systems	697,303	278,300	975,603
7140	Human Resources	390,974	259,824	650,798
7145	Talent Acquisition and Staffing	259,573	46,530	306,103
7150	Fleet Management	544,935	944,200	1,489,135
7155	Compensation & Benefits	387,218	57,860	445,078
7160	Facility Maintenance	237,432	1,118,496	1,355,928
7165	Security Operations	189,710	1,352,800	1,542,510
7170	Warehouse	282,054	50,893	332,947
7175	Facility Maintenance-FM 511 Service Yard	207,550	368,250	575,800
9110	Company-wide Expenses	1,891,847	7,050,362	8,942,209
<b>TOTAL APPROPRIATIONS</b>		<b>\$ 44,094,629</b>	<b>\$ 110,256,617</b>	<b>\$ 154,351,246</b>
<b>LESS:</b>				
FUEL & PURCHASED POWER		\$ -	\$ 70,305,865	\$ 70,305,865
SRWA ASSESSMENTS		-	6,071,063	6,071,063
<b>TOTAL OPERATIONS &amp; MAINTENANCE</b>		<b>\$ 44,094,629</b>	<b>\$ 33,879,689</b>	<b>\$ 77,974,318</b>



**FY 2021 APPROVED BUDGETED NUMBER OF POSITIONS  
BY DIVISION/ORGANIZATION**

DIVISION NAME	ORGANIZATION	POSITION TITLE	NUMBER OF POSITIONS
Communications & Admin Svc Division	1130 Communications & Administrative Svc	DIGITAL INFO/MEDIA PLAT COORD	1
		DIRECTOR OF COMM/ADMIN SERV	1
		<b>ORG TOTAL:</b>	<b>2</b>
	1135 Communications & Public Relations	COMMUNICATIONS & PR MANAGER	1
		SENIOR COMM & PR COORDINATOR	2
		<b>ORG TOTAL:</b>	<b>3</b>
	1165 Records Management	ENTERPRISE CONTENT/REC/POL MGR	1
		RECORDS MANAGEMENT COORD	1
		SENIOR RECORDS ASSISTANT	1
		<b>ORG TOTAL:</b>	<b>3</b>
	1170 Digital Information Platforms	DIGITAL INFO PLATFORMS TECH MA	1
		<b>ORG TOTAL:</b>	<b>1</b>
	1440 Health & Safety	ACTING HEALTH & SAFETY MANAGER	1
		ADMINISTRATIVE ASSISTANT	1
		HEALTH & SAFETY ADMINISTRATOR	1
		HEALTH & SAFETY MANAGER	1
		<b>ORG TOTAL:</b>	<b>4</b>
	7120 Risk/Insurance Management	HEALTH & SAFETY MANAGER	1
		RISK MANAGEMENT COORDINATOR	1
		RISK MANAGER	1
		<b>ORG TOTAL:</b>	<b>3</b>
	7165 Security Operations	SECURITY COORDINATOR	1
		SECURITY MANAGER	1
		<b>ORG TOTAL:</b>	<b>2</b>
		<b>DIVISION TOTAL:</b>	<b>18</b>
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
		<b>ORG TOTAL:</b>	<b>4</b>
	6105 Customer & Information Services	ADMINISTRATIVE ASSISTANT	1
		ADMINISTRATIVE CLERK	1
		DIR OF CUST SERV/INFO TECH	1
		<b>ORG TOTAL:</b>	<b>3</b>
	6110 Customer Service	CUSTOMER SERVICE MANAGER	1
		CUSTOMER SERVICE SUPERVISOR	1
		LEAD CUSTOMER SOLUTIONS REP	5
		SENIOR CUSTOMER SOLUTIONS REP	7
		<b>ORG TOTAL:</b>	<b>14</b>
	6115 Collections	CUSTOMER SERVICE SUPERVISOR	1
		LEAD CUSTOMER SOLUTIONS REP	1
		SENIOR CUSTOMER SOLUTIONS REP	2
		<b>ORG TOTAL:</b>	<b>4</b>
	6120 Billing	BILLING MANAGER	1
		CUSTOMER SERVICE SUPERVISOR	1
		LEAD CUSTOMER SOLUTIONS REP	2
		MESSENGER	1
		SENIOR CUSTOMER SOLUTIONS REP	4
		<b>ORG TOTAL:</b>	<b>9</b>
	6125 Call Center	CUSTOMER SERVICE SUPERVISOR	1
		CUSTOMER SOLUTIONS REP	3
		LEAD CUSTOMER SOLUTIONS REP	3
		SENIOR CUSTOMER SOLUTIONS REP	5
		<b>ORG TOTAL:</b>	<b>12</b>
	6130 Meter Services	ACTING METER SERVICES SUPR	1
		METER SERVICES SUPERVISOR	1
		METER SERVICES TECHNICIAN	3
		SENIOR METER SERVICES TECH	4
		<b>ORG TOTAL:</b>	<b>9</b>



**FY 2021 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
		<b>ORG TOTAL:</b>	<b>3</b>
	6145 Energy Efficiency & Conservation	ENERGY EFF & CONSERV COORD	1
		<b>ORG TOTAL:</b>	<b>1</b>
	6150 Meter Reading	METER READER	9
		METER READING SUPERVISOR	1
		SENIOR METER READER	4
		<b>ORG TOTAL:</b>	<b>14</b>
	6160 Cashiers	CUSTOMER SERVICE SUPERVISOR	1
		CUSTOMER SOLUTIONS REP	1
		LEAD CUSTOMER SOLUTIONS REP	2
		SENIOR CUSTOMER SOLUTIONS REP	4
		<b>ORG TOTAL:</b>	<b>8</b>
	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
		<b>ORG TOTAL:</b>	<b>17</b>
		<b>DIVISION TOTAL:</b>	<b>98</b>
Electrical Systems Division	1145 Elect Transmission and Distribution	ACTING DIR OF ELEC TRANS/DIST	1
		AREA MANAGER	1
		DIRECTOR OF ELECTRICAL SYSTEMS	1
		SENIOR ADMINISTRATIVE ASST	1
		<b>ORG TOTAL:</b>	<b>4</b>
	2120 Substations and Relaying	ADMINISTRATIVE ASSISTANT	1
		ELECTRIC FOREMAN (CERTIFIED)	1
		ELECTRIC MAINTENANCE WORKER	3
		GROUND WORKER	1
		LEAD RELAY TECHNICIAN	1
		LINEWORKER (CERTIFIED)	4
		LINEWORKER (NON-CERTIFIED)	1
		SENIOR ELECTRONIC TECHNICIAN	5
		SENIOR RELAY COORDINATOR	1
		SUBSTATION SUPERVISOR	1
		SUBSTATION TECHNICIAN	3
		SUBSTATIONS & RELAYING MANAGER	1
		<b>ORG TOTAL:</b>	<b>23</b>
	2130 Elec T&D Construction & Maintenance	ADMINISTRATIVE ASSISTANT	1
		APPRENTICE LINEWORKER	10
		ELECTRIC FOREMAN (CERTIFIED)	7
		ELECTRIC MAINTENANCE WORKER	12
		ELECTRIC OPERATIONS MANAGER	1
		GROUND WORKER	6
		LINEWORKER (CERTIFIED)	9
		LINEWORKER (NON-CERTIFIED)	3
		SENIOR GRADUATE ENGINEER	1
		<b>ORG TOTAL:</b>	<b>50</b>
	2150 Energy Control Center Operations	ADMINISTRATIVE ASSISTANT	1
		DISPATCH CLERK	1
		ENERGY SYSTEM OPERATIONS MGR	1
		ENERGY SYSTEM OPERATOR	4
		LEAD ENERGY SYSTEM OPERATOR	5
		SENIOR ENERGY SYSTEM OPERATOR	3
		<b>ORG TOTAL:</b>	<b>15</b>



**FY 2021 APPROVED BUDGETED NUMBER OF POSITIONS  
BY DIVISION/ORGANIZATION – CONTINUED**

DIVISION NAME	ORGANIZATION	POSITION TITLE	NUMBER OF POSITIONS
Electrical Systems Division (continued)	2220 Power Production	ADMINISTRATIVE ASSISTANT	1
		GRADUATE ENGINEER	1
		LAB TECHNICIAN-OPERATOR	1
		LD POWER PLANT INSTRUMENT TECH	1
		MAINTENANCE MECHANIC	3
		POWER PLANT FOREMAN	1
		POWER PLANT INSTRUMENT TECH	1
		POWER PLANT MAINTENANCE SUPR	1
		POWER PLANT MAINTENANCE TECH	3
		POWER PLANT MANAGER	1
		POWER PLANT OPERATIONS FOREMAN	5
		POWER PLANT OPERATIONS SUPR	1
		POWER PLANT OPERATOR	3
		SENIOR ENGINEER (REGISTERED)	1
		SENIOR POWER PLANT OPERATOR	3
		<b>ORG TOTAL:</b>	<b>27</b>
	2310 Electric Meter Shop	ACT ELEC METER SHOP SUPERVISOR	1
		ELECTRIC METER SHOP SUPERVISOR	1
		GRADUATE ENGINEER	1
		METER TECHNICIAN	3
		METER TECHNICIAN APPRENTICE	1
		SENIOR METER TECHNICIAN	1
		<b>ORG TOTAL:</b>	<b>8</b>
	2410 Electric Engineering	ADMINISTRATIVE ASSISTANT	1
		CAD DRAFTER	1
		ENGINEER (REGISTERED)	4
		ENGINEERING MANAGER	1
		GRADUATE ENGINEER	3
		OPERATIONS ENGINEER REGISTERED	1
		SENIOR ENGINEERING TECHNICIAN	1
		<b>ORG TOTAL:</b>	<b>12</b>
	4220 Fuel & Purchased Energy Supply	FUEL & PURCHASED ENERGY COORD	1
		FUEL/PURCHASED ENERGY MANAGER	1
		<b>ORG TOTAL:</b>	<b>2</b>
	<b>DIVISION TOTAL:</b>		<b>141</b>
Environmental Division	1410 Environmental Services	DIR OF ENVIRONMENTAL SERVICES	1
		ENVIRO SOFTWARE SOLUTIONS SPEC	1
		QUALITY ASSURANCE SPECIALIST	3
		SENIOR ADMINISTRATIVE ASST	1
		<b>ORG TOTAL:</b>	<b>6</b>
	1420 Environmental Compliance	ACTING REGULATORY COMP SPEC	1
		ENVIRONMENTAL MANAGER	1
		LEAD ENV COMPLIANCE SPECIALIST	1
		REGULATORY COMPLIANCE SPEC	1
		SENIOR ENVIRONMENTAL TECH	1
		<b>ORG TOTAL:</b>	<b>5</b>
	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
		<b>ORG TOTAL:</b>	<b>16</b>
	1430 Pre-treatment	ADMINISTRATIVE ASSISTANT	1
		ENVIRONMENTAL TECHNICIAN	2
		LEAD ENV COMPLIANCE SPECIALIST	1
		PRETREATMENT MANAGER	1
		SENIOR ENV COMPLIANCE SPEC	2
		SENIOR ENVIRONMENTAL TECH	1
		<b>ORG TOTAL:</b>	<b>8</b>
	1435 Cross Connection Control	CROSS CONNECT COMPLIANCE TECH	1
		LD CROSS CONNECT CONTROL COORD	1
		SENIOR ENVIRONMENTAL TECH	1
		<b>ORG TOTAL:</b>	<b>3</b>
	<b>DIVISION TOTAL:</b>		<b>38</b>



**FY 2021 APPROVED BUDGETED NUMBER OF POSITIONS  
BY DIVISION/ORGANIZATION – CONTINUED**

DIVISION NAME	ORGANIZATION	POSITION TITLE	NUMBER OF POSITIONS
Finance Division	5110 Finance	BUSINESS PROCESS ADMINISTRATOR	1
		BUSINESS PROCESS ANALYST	1
		CHIEF FINANCIAL OFFICER	1
		EXECUTIVE ASSISTANT	1
		FINANCIAL ANALYST	1
		FINANCIAL MANAGER	1
		SENIOR BUDGET ANALYST	1
		TREAS & ACCT SUPP SERV MANAGER	1
		UTILITY RATES ADMINISTRATOR	1
		<b>ORG TOTAL:</b>	<b>9</b>
	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
		<b>ORG TOTAL:</b>	<b>17</b>
	5130 Purchasing	BUYER	3
		CONTRACTS COORDINATOR	1
		MATERIALS & WAREHOUSE MANAGER	1
		PURCHASING CLERK	1
		SENIOR BUYER	1
		<b>ORG TOTAL:</b>	<b>7</b>
	5140 Revenue Recovery	REVENUE RECOVERY SUPERVISOR	1
		REVENUE RECOVERY TECHNICIAN	2
		<b>ORG TOTAL:</b>	<b>3</b>
	7160 Facility Maintenance	CUSTODIAN	2
		FACILITIES MAINT MANAGER	1
		LEAD CUSTODIAN	1
		<b>ORG TOTAL:</b>	<b>4</b>
	7170 Warehouse	SENIOR STOREKEEPER	1
		STOREKEEPER	3
		WAREHOUSE SUPERVISOR	1
		<b>ORG TOTAL:</b>	<b>5</b>
	7175 Facility Maintenance-FM511 Svc Yard	CUSTODIAN	1
		FACILITY MAINTENANCE SUPERVISOR	1
		LEAD CUSTODIAN	1
		MAINTENANCE WORKER	1
		<b>ORG TOTAL:</b>	<b>4</b>
		<b>DIVISION TOTAL:</b>	<b>49</b>
General Manager Division	1110 General Manager	EXECUTIVE ASSISTANT	1
		GENERAL MANAGER & CEO	1
		SENIOR EXECUTIVE ASSISTANT	1
		<b>ORG TOTAL:</b>	<b>3</b>
	1120 Internal Audit	AUDIT MANAGER	1
		LEAD INTERNAL AUDITOR	1
		SENIOR INTERNAL AUDITOR	1
		<b>ORG TOTAL:</b>	<b>3</b>
		<b>DIVISION TOTAL:</b>	<b>6</b>
Human Resources Division	1140 Training and Organizational Develop	TRAIN/ORG DEVL ADMIN	1
		TRAINING/ORG DEVL MANAGER	1
		<b>ORG TOTAL:</b>	<b>2</b>
	7140 Human Resources	DIRECTOR OF HUMAN RESOURCES	1
		SENIOR ADMINISTRATIVE ASST	1
		SENIOR HUMAN RESOURCES ASST	1
		<b>ORG TOTAL:</b>	<b>3</b>
	7145 Talent Acquisition and Staffing	SENIOR TALENT ACQ / STAFF SPEC	1
		TALENT ACQ / STAFF MANAGER	1
		TALENT ACQUISITION/STAFF SPEC	1
		<b>ORG TOTAL:</b>	<b>3</b>



**FY 2021 APPROVED BUDGETED NUMBER OF POSITIONS  
BY DIVISION/ORGANIZATION – CONTINUED**

DIVISION NAME	ORGANIZATION	POSITION TITLE	NUMBER OF POSITIONS	
Human Resources Division (continued)	7155 Compensation & Benefits	ACTING COMP & BENEFITS ANALYST	1	
		COMPENSATION & BENEFITS SPEC	1	
		COMPENSATION /BENEFITS ANALYST	1	
		COMPENSATION/BENEFITS MANAGER	1	
		HUMAN RESOURCES COORDINATOR	1	
		ORG TOTAL:	5	
	DIVISION TOTAL:	13		
Operational Support Servcs Division	2210 SCADA & Electrical Support Services	ACTING W/WW SCADA SUPERVISOR	1	
		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	
			ORG TOTAL:	23
		3120 Water Plant I	LEAD W/WW OPERATOR	1
			W/WW OPERATOR A	3
			W/WW OPERATOR APPRENTICE	1
			W/WW OPERATOR C	2
			W/WW OPERATOR CHIEF	1
			WATER TREATMENT MANAGER	1
			ORG TOTAL:	9
		3130 Water Plant II	LEAD W/WW OPERATOR	1
			W/WW OPERATOR B	1
			W/WW OPERATOR C	5
			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
		3140 Raw Water Supply	RAW WATER SYSTEM OPERATOR A	1
			RAW WATER SYSTEM OPERATOR C	2
			RAW WATER SYSTEM SUPERVISOR	1
			ORG TOTAL:	4
		3160 Potable Water Transport Services	MOTOR EQUIP OPER /TRANSPORTER	2
			MOTOR EQUIPMENT OPERATOR	1
			ORG TOTAL:	3
		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
			ORG TOTAL:	8
		3220 Robindale Wastewater Treatment Plnt	ADMINISTRATIVE ASSISTANT	1
			LEAD W/WW OPERATOR	2
			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:	11



**FY 2021 APPROVED BUDGETED NUMBER OF POSITIONS  
BY DIVISION/ORGANIZATION – CONTINUED**

DIVISION NAME	ORGANIZATION	POSITION TITLE	NUMBER OF POSITIONS
Operational Support Servcs Division (continued)	3225 W/WW Sludge Management	MOTOR EQUIP OPER /TRANSPORTER	2
		MOTOR EQUIPMENT OPERATOR	3
		SENIOR MOTOR EQUIP OPERATOR	1
		SHIFT SUPERVISOR	1
		UTILITY TECHNICIAN	1
		<b>ORG TOTAL:</b>	<b>8</b>
	4110 Energy Risk Management	ENERGY RISK MANAGER	1
		<b>ORG TOTAL:</b>	<b>1</b>
	4310 Operational Support Services	ACTING SENIOR ADMIN ASSISTANT	1
		AREA MANAGER	2
		DIR OF OPERATIONAL SUPP SERV	1
		SENIOR ADMINISTRATIVE ASST	1
		<b>ORG TOTAL:</b>	<b>5</b>
	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
		<b>ORG TOTAL:</b>	<b>10</b>
	7150 Fleet Management	ADMINISTRATIVE ASSISTANT	1
		AUTO/HEAVY DUTY EQUIP TECH A	1
		AUTO/HEAVY DUTY EQUIP TECH B	4
		AUTOMOTIVE PARTS TECHNICIAN	1
		FLEET SERVICES MANAGER	1
		FLEET SYSTEMS COORDINATOR	1
		<b>ORG TOTAL:</b>	<b>10</b>
		<b>DIVISION TOTAL:</b>	<b>109</b>
Operations Division	4105 Operations	ASST GENERAL MANAGER & COO	1
		DIR OF SP PRJ W/WW ENG, PL&OP	1
		EXECUTIVE ASSISTANT	1
		<b>ORG TOTAL:</b>	<b>3</b>
	4210 NERC Compliance	ADMINISTRATIVE ASSISTANT	1
		LEAD NERC COMPLIANCE COORD	1
		NERC COMPL MANAGER & CCO	1
		SENIOR NERC COMPLIANCE COORD	2
		<b>ORG TOTAL:</b>	<b>5</b>
		<b>DIVISION TOTAL:</b>	<b>8</b>
W/WW Eng, Planning & Oper Division	3110 W&WW Eng, Planning & Operations	ACTING DIR OF W/WW ENG,PLAN/OP	1
		AREA MANAGER FOR W/WW D & M	1
		SENIOR ADMINISTRATIVE ASST	1
		<b>ORG TOTAL:</b>	<b>3</b>
	3145 W/WW Plant Maintenance	FOREMAN	1
		LEAD MECHANIC	3
		MAINTENANCE MECHANIC	5
		SENIOR MECHANIC	1
		SENIOR MECHANIC	1
		SHIFT SUPERVISOR	1
		<b>ORG TOTAL:</b>	<b>12</b>
	3150 W/WW Operations & Construction	ACTING FOREMAN	1
		ACTING SHIFT SUPERVISOR	1
		ADMINISTRATIVE ASSISTANT	1
		FOREMAN	2
		JETVAC OPERATOR	5
		JETVAC OPERATOR APPRENTICE	3
		MAINTENANCE WORKER	6
		MOTOR EQUIPMENT OPERATOR	1
		OPERATIONS & SUPPORT ASSISTANT	1
		PIPELAYER	4
		SENIOR MAINTENANCE WORKER	3
		SENIOR MOTOR EQUIP OPERATOR	3
		SHIFT SUPERVISOR	4
		UTILITY TECHNICIAN	7
		W/WW CONST OPER MANAGER	1
		WW CLOSED CIRCUIT TV OPERATOR	2
		<b>ORG TOTAL:</b>	<b>45</b>



**FY 2021 APPROVED BUDGETED NUMBER OF POSITIONS  
BY DIVISION/ORGANIZATION - CONTINUED**

DIVISION NAME	ORGANIZATION	POSITION TITLE	NUMBER OF POSITIONS
W/WW Eng, Planning & Oper Division (continued)	3155 W/WW Operations & Maintenance	ACTING FOREMAN	1
		ACTING SHIFT SUPERVISOR	1
		ADMINISTRATIVE ASSISTANT	1
		FOREMAN	2
		MAINTENANCE WORKER	16
		MOTOR EQUIP OPER/TRANSPORTER	1
		MOTOR EQUIPMENT OPERATOR	1
		SENIOR MAINTENANCE WORKER	1
		SHIFT SUPERVISOR	3
		UTILITY TECHNICIAN	6
		W/WW MAINT OPER MANAGER	1
		ORG TOTAL:	34
	3230 Wastewater Lift Stations	ADMINISTRATIVE ASSISTANT	1
		FOREMAN	1
		LEAD MECHANIC	7
		MAINTENANCE MECHANIC	6
		SENIOR MECHANIC	2
		SHIFT SUPERVISOR	2
		WWW PLANT MAINT/WW LIFT ST MGR	1
	ORG TOTAL:	20	
	3310 Water & Wastewater Engineering	ACTING ENGINEERING MANAGER	1
		ADMINISTRATIVE ASSISTANT	1
		ENGINEERING MANAGER	1
		FIELD TECHNICIAN	4
		OPERATIONS SOLUTIONS SPEC	1
		SENIOR CIVIL ENGINEER	2
		SENIOR COORDINATOR	2
		SENIOR ENGINEERING TECHNICIAN	2
		SENIOR GRADUATE ENGINEER	3
		ORG TOTAL:	17
DIVISION TOTAL:			131
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 2020

	Electric	Water	Wastewater	Total
Revenues	\$ 177,605,807	\$ 27,328,488	\$ 24,373,350	\$ 229,307,645
Expenses	<u>132,346,004</u>	<u>25,684,634</u>	<u>19,243,074</u>	<u>177,273,712</u>
Change in net assets	\$ 45,259,803	\$ 1,643,854	\$ 5,130,276	\$ 52,033,933
Net position, beginning of year				<u>\$ 452,745,608</u>
Net position, end of year				<u><u>\$ 504,779,541</u></u>

Reconciliation to "Total Utility Combined Revenues & Requirements" page 79 is as follows:

Change in net position	\$ 45,259,803	\$ 1,643,854	\$ 5,130,276	\$ 52,033,933
Less: Principal Pmts	<u>9,933,756</u>	<u>1,803,664</u>	<u>2,169,292</u>	<u>13,906,712</u>
Funds Available for Capital and Reserve Funds	<u><u>\$ 35,326,047</u></u>	<u><u>\$ (159,810)</u></u>	<u><u>\$ 2,960,984</u></u>	<u><u>\$ 38,127,221</u></u>

Projected changes in net position for fiscal year 2021 are as follows:

#### APPROVED BUDGET FY 2021

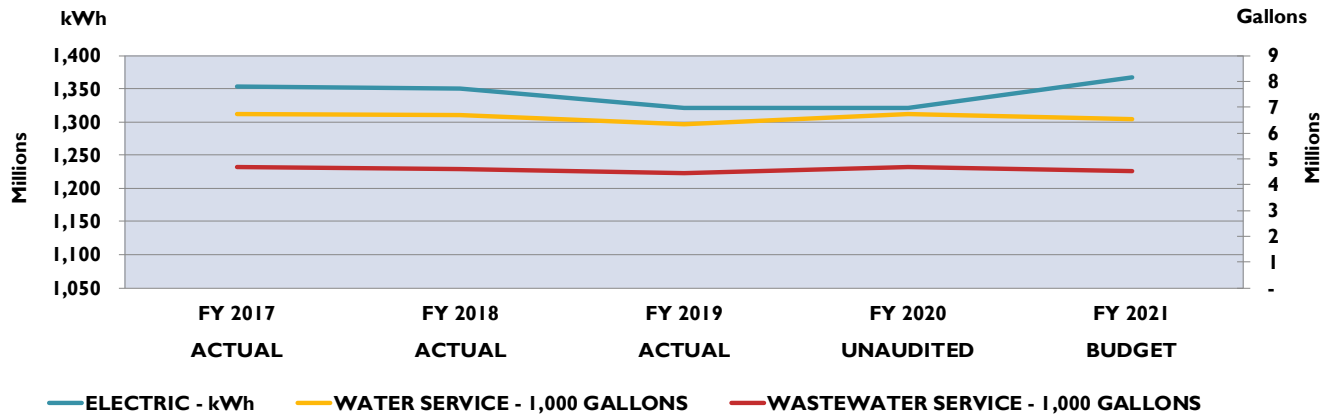
	Electric	Water	Wastewater	Total
Revenues	\$ 173,954,126	\$ 26,621,983	\$ 24,041,427	\$ 224,617,536
Expenses	<u>133,291,437</u>	<u>22,741,533</u>	<u>19,351,613</u>	<u>175,384,583</u>
Change in net position	\$ 40,662,689	\$ 3,880,450	\$ 4,689,814	\$ 49,232,953
Net position, beginning of year				<u>\$ 445,543,689</u>
Net position, end of year				<u><u>\$ 494,776,642</u></u>

Reconciliation to "Total Utility Combined Revenues & Requirements" page 79 is as follows:

Change in net position	\$ 40,662,689	\$ 3,880,450	\$ 4,689,814	\$ 49,232,953
Less: Principal Pmts	<u>11,880,470</u>	<u>2,256,525</u>	<u>2,733,006</u>	<u>16,870,001</u>
Funds Available for Capital and Reserve Funds	<u><u>\$ 28,782,219</u></u>	<u><u>\$ 1,623,925</u></u>	<u><u>\$ 1,956,808</u></u>	<u><u>\$ 32,362,952</u></u>



# UNIT SALES STATISTICS



	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	UNAUDITED FY 2020	BUDGET FY 2021
<b>ELECTRIC - kWh</b>					
Residential	578,938,532	588,862,015	574,129,413	602,596,573	570,275,254
Commercial - Non-Demand	139,381,802	136,319,294	136,405,829	133,567,871	134,341,325
Municipal	72,400,171	71,331,446	70,053,851	67,532,502	70,779,747
Commercial - Demand	560,113,317	552,028,532	538,476,727	514,989,472	590,221,285
Other	2,478,672	2,390,778	2,266,542	2,251,157	2,275,419
<i>Total Electric Unit Sales</i>	<u>1,353,312,494</u>	<u>1,350,932,065</u>	<u>1,321,332,362</u>	<u>1,320,937,575</u>	<u>1,367,893,030</u>
<b>WATER SERVICE - 1,000 GALLONS</b>					
Inside City	5,832,446	5,743,114	5,435,140	5,730,053	5,623,635
Outside City	157,297	158,189	151,259	162,528	155,733
Municipal	217,227	205,683	195,758	295,212	199,891
Other	525,154	588,476	552,631	569,787	557,350
<i>Total Water Unit Sales</i>	<u>6,732,124</u>	<u>6,695,462</u>	<u>6,334,788</u>	<u>6,757,580</u>	<u>6,536,609</u>
<b>WASTEWATER SERVICE - 1,000 GALLONS</b>					
Residential	2,804,793	2,745,874	2,592,457	2,807,846	2,708,745
Commercial	1,662,288	1,649,892	1,656,999	1,642,002	1,629,836
Municipal	80,100	78,414	76,438	105,756	76,287
Outside City	123,065	111,471	107,474	116,852	113,244
Specials	-	-	-	-	-
<i>Total Wastewater Unit Sales</i>	<u>4,670,246</u>	<u>4,585,651</u>	<u>4,433,368</u>	<u>4,672,455</u>	<u>4,528,112</u>

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## **OUTSTANDING DEBT**

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

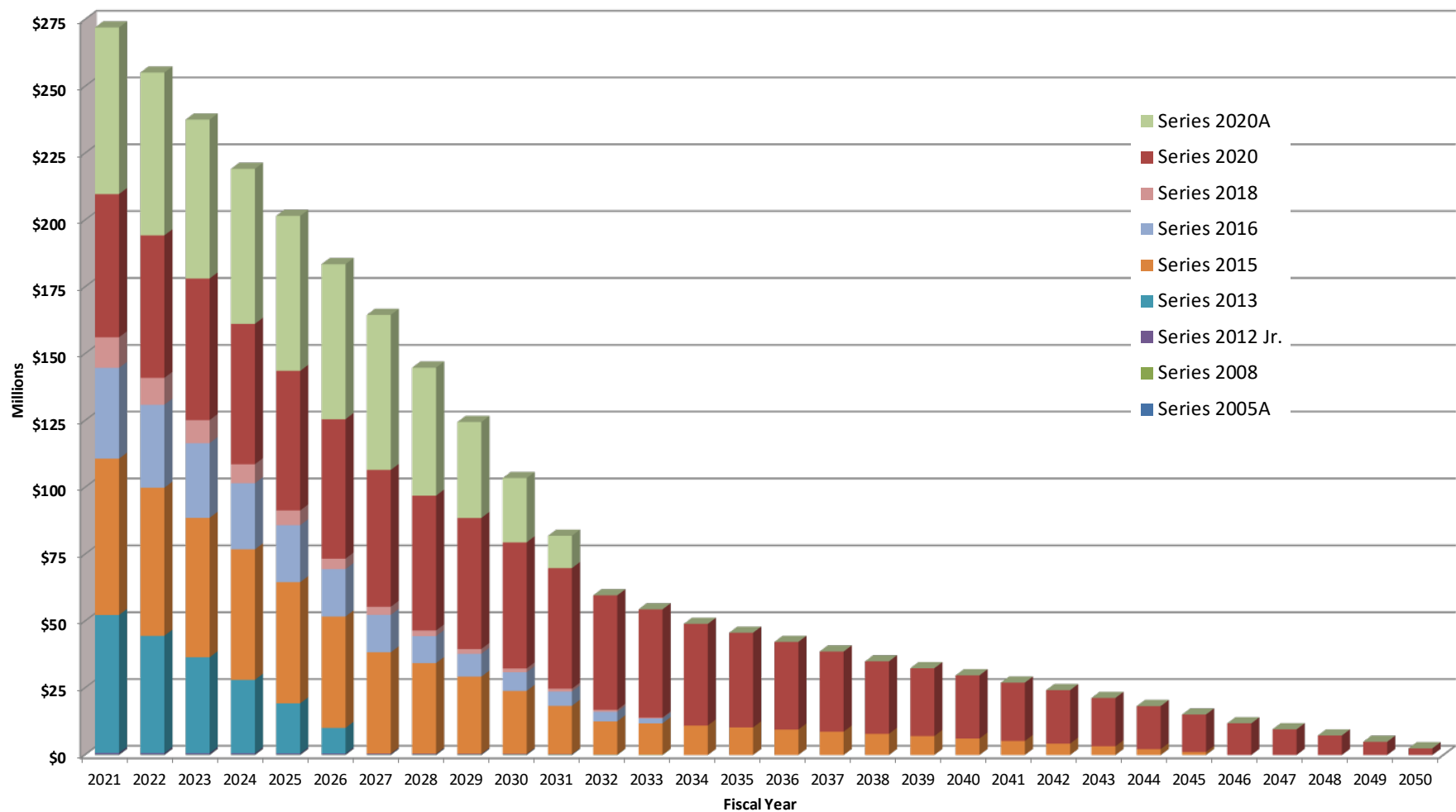
- \$163,725,000 Utilities System Revenue Improvement and Refunding Bonds, Series 2005A, due in a final installment of \$100,000 in 2031 with an interest rate of 5.0%. As of September 30, 2020, the outstanding balance was \$100,000.
- \$77,805,000 Utilities System Revenue Refunding Bonds, Series 2008, due in a final installment of \$100,000 in 2033 with an interest rate of 5.0%. As of September 30, 2020, the outstanding balance was \$100,000.
- \$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, 2020, the outstanding balance was \$575,000.
- \$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, 2020 the outstanding balance was \$51,620,000.
- \$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, 2020 the outstanding balance was \$58,480,000.
- \$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, 2020, the outstanding balance was \$33,955,000.
- \$14,000,000 Utilities System Revenue Refunding Bonds, Series 2018, due in annual installments of \$270,000 to \$2,515,000 through 20 with interest rates ranging from 4.0% to 5.0%. As of September 30, 2020, the outstanding balance was \$11,415,000.
- \$53,590,000 Utility System Revenue Refunding Bonds, Series 2020, due in annual installments of \$310,000 to \$1,650,000 through 2050 with interest rates ranging from 2.125% to 5.0%. As of September 30, 2020, the outstanding balance was \$53,590,000.
- \$62,320,000 Utility System Revenue Refunding Bonds, Series 2020A (Taxable), due in annual installments of \$1,430,000 to \$12,105,000 through 2031 with interest rates ranging from 0.579% to 1.882%. As of September 30, 2020, the outstanding balance was \$63,230,000.

The Brownsville PUB had no commercial paper obligations outstanding as of September 30, 2020.

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Outstanding Principal Debt Through Maturity





## **DEBT SERVICE**

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

	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	UNAUDITED ACTUAL FY 2020	BUDGET FY 2021
<b><u>ELECTRIC</u></b>					
Principal	\$ 8,533,908	\$ 8,819,970	\$ 9,074,805	\$ 9,933,756	\$ 11,880,470
Interest	8,754,769	8,488,203	8,328,011	7,796,716	6,883,513
<i>Total</i>	<u>17,288,677</u>	<u>17,308,173</u>	<u>17,402,817</u>	<u>17,730,472</u>	<u>18,763,983</u>
<b><u>WATER</u></b>					
Principal	1,741,880	1,789,630	1,817,648	1,803,664	2,256,525
Interest	1,725,679	1,685,944	1,683,713	1,577,781	1,419,349
<i>Total</i>	<u>3,467,559</u>	<u>3,475,574</u>	<u>3,501,360</u>	<u>3,381,445</u>	<u>3,675,874</u>
<b><u>WASTEWATER</u></b>					
Principal	2,638,212	2,674,885	2,521,848	2,169,292	2,733,006
Interest	2,383,360	2,336,644	2,340,705	2,211,098	2,101,761
<i>Total</i>	<u>5,021,572</u>	<u>5,011,529</u>	<u>4,862,553</u>	<u>4,380,390</u>	<u>4,834,767</u>
<b><i>TOTAL ALL SYSTEMS</i></b>	<u><u>\$ 25,777,808</u></u>	<u><u>\$ 25,795,275</u></u>	<u><u>\$ 25,766,730</u></u>	<u><u>\$ 25,492,307</u></u>	<u><u>\$ 27,274,624</u></u>
<b><u>SUMMARY</u></b>					
	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	UNAUDITED ACTUAL FY 2020	BUDGET FY 2021
Principal	\$ 12,914,000	\$ 13,284,485	\$ 13,414,301	\$ 13,906,712	\$ 16,870,001
Interest	12,863,808	12,510,790	12,352,429	11,585,595	10,404,623
<i>Total</i>	<u><u>\$ 25,777,808</u></u>	<u><u>\$ 25,795,275</u></u>	<u><u>\$ 25,766,730</u></u>	<u><u>\$ 25,492,307</u></u>	<u><u>\$ 27,274,624</u></u>

**NOTE:**

Actual budget based on principal and interest payments made annually on September 30<sup>th</sup>. Commercial Paper for FY 2021 will incur \$70,000 of interest expense.

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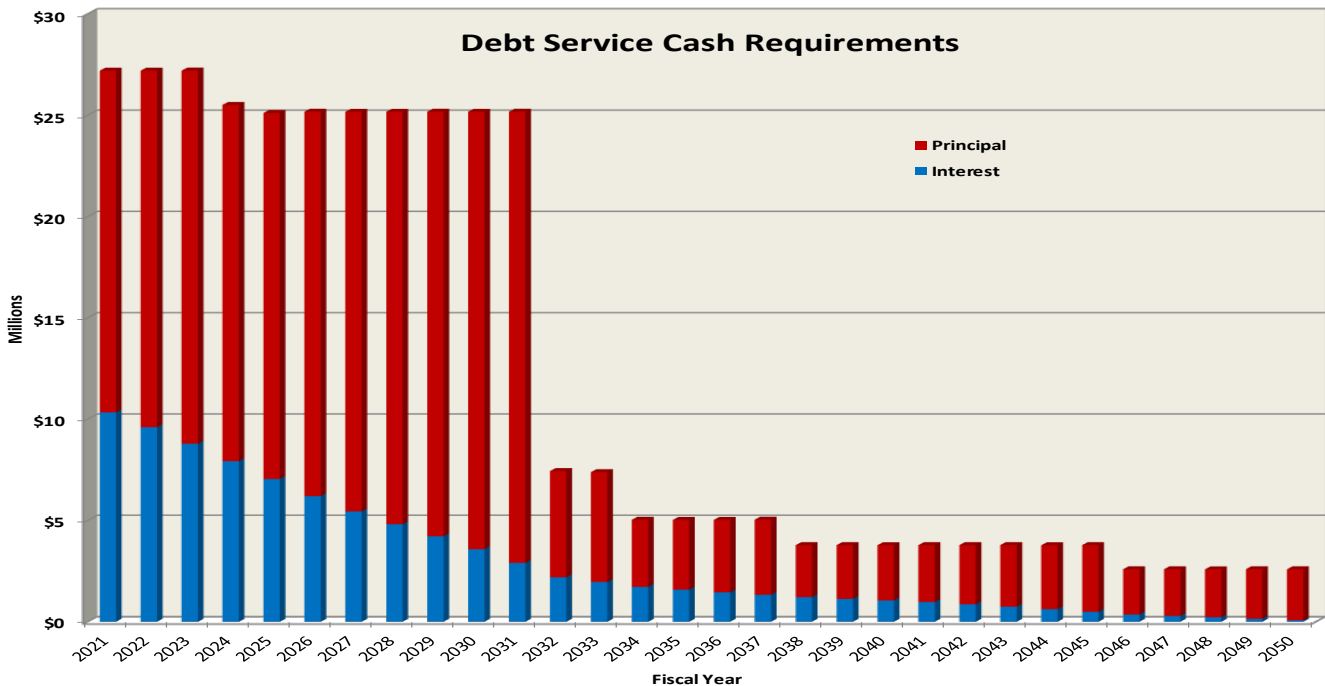


## DEBT SERVICE REQUIREMENTS BY FISCAL YEAR

Yr End Sep 1,	Yrs	Principal	Interest	Total Debt Svc Requirements	Declining Debt Svc Balance
2021	30	\$ 16,870,000	\$ 10,334,622	\$ 27,204,622	\$ 334,265,875
2022	29	17,600,000	9,604,080	27,204,080	307,061,794
2023	28	18,420,000	8,787,607	27,207,607	279,854,187
2024	27	17,585,000	7,928,801	25,513,801	254,340,386
2025	26	18,065,000	7,050,429	25,115,429	229,224,957
2026	25	18,975,000	6,202,841	25,177,841	204,047,117
2027	24	19,725,000	5,446,205	25,171,205	178,875,912
2028	23	20,355,000	4,816,834	25,171,834	153,704,077
2029	22	20,955,000	4,220,091	25,175,091	128,528,986
2030	21	21,590,000	3,583,995	25,173,995	103,354,991
2031	20	22,265,000	2,909,821	25,174,821	78,180,170
2032	19	5,245,000	2,195,713	7,440,713	70,739,457
2033	18	5,425,000	1,962,819	7,387,819	63,351,639
2034	17	3,315,000	1,720,219	5,035,219	58,316,420
2035	16	3,440,000	1,587,619	5,027,619	53,288,801
2036	15	3,580,000	1,450,019	5,030,019	48,258,782
2037	14	3,705,000	1,333,731	5,038,731	43,220,051
2038	13	2,570,000	1,213,300	3,783,300	39,436,751
2039	12	2,655,000	1,126,581	3,781,581	35,655,170
2040	11	2,725,000	1,054,569	3,779,569	31,875,601
2041	10	2,805,000	978,063	3,783,063	28,092,537
2042	9	2,920,000	863,450	3,783,450	24,309,087
2043	8	3,040,000	744,125	3,784,125	20,524,962
2044	7	3,160,000	619,900	3,779,900	16,745,062
2045	6	3,295,000	490,763	3,785,763	12,959,300
2046	5	2,235,000	356,100	2,591,100	10,368,200
2047	4	2,305,000	289,050	2,594,050	7,774,150
2048	3	2,370,000	219,900	2,589,900	5,184,250
2049	2	2,445,000	148,800	2,593,800	2,590,450
2050	1	2,515,000	75,450	2,590,450	(0)
		<u>272,155,000</u>	<u>89,315,497</u>	<u>361,470,497</u>	

**NOTE:**

Debt Service schedule does not include debt associated with commercial paper expense of \$70,000 for the Electric, Water and Wastewater Systems approved for FY 2020.



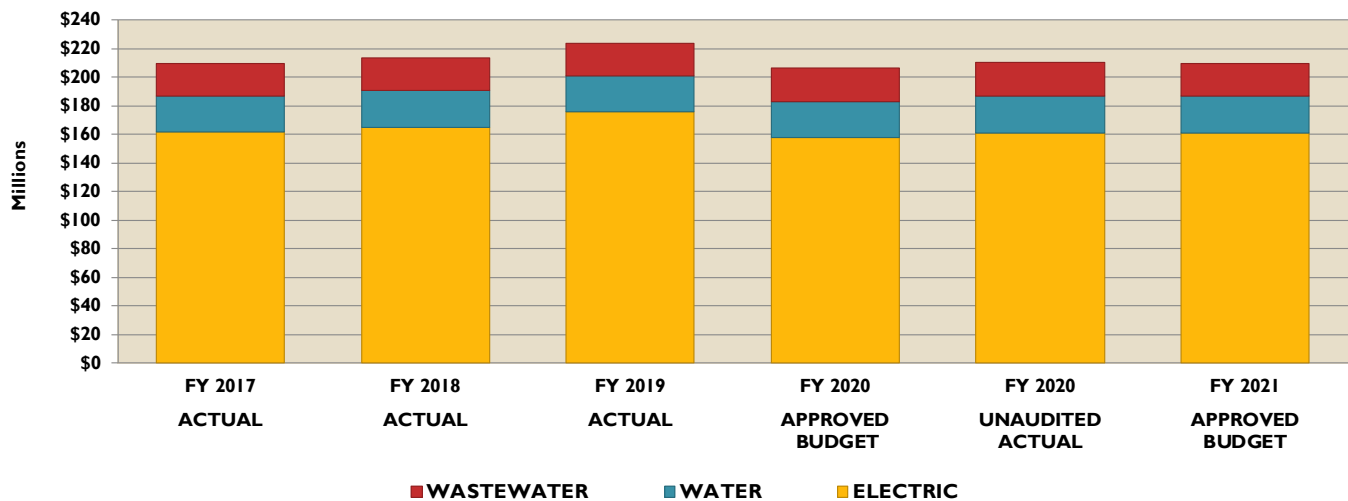


# ***REVENUES***



## SALES & SERVICES TO CUSTOMERS OPERATING REVENUES BY SYSTEM

	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
ELECTRIC	\$ 161,529,325	\$ 164,927,400	\$ 175,667,849	\$ 158,158,395	\$ 160,823,487	\$ 160,919,729
WATER	25,613,846	25,725,623	25,162,950	25,160,647	26,063,656	25,713,195
WASTEWATER	22,770,133	22,920,389	22,696,007	23,336,960	23,444,247	23,132,639
<b>TOTAL</b>	<b>\$ 209,913,304</b>	<b>\$ 213,573,412</b>	<b>\$ 223,526,806</b>	<b>\$ 206,656,002</b>	<b>\$ 210,331,390</b>	<b>\$ 209,765,563</b>



**NOTE:**

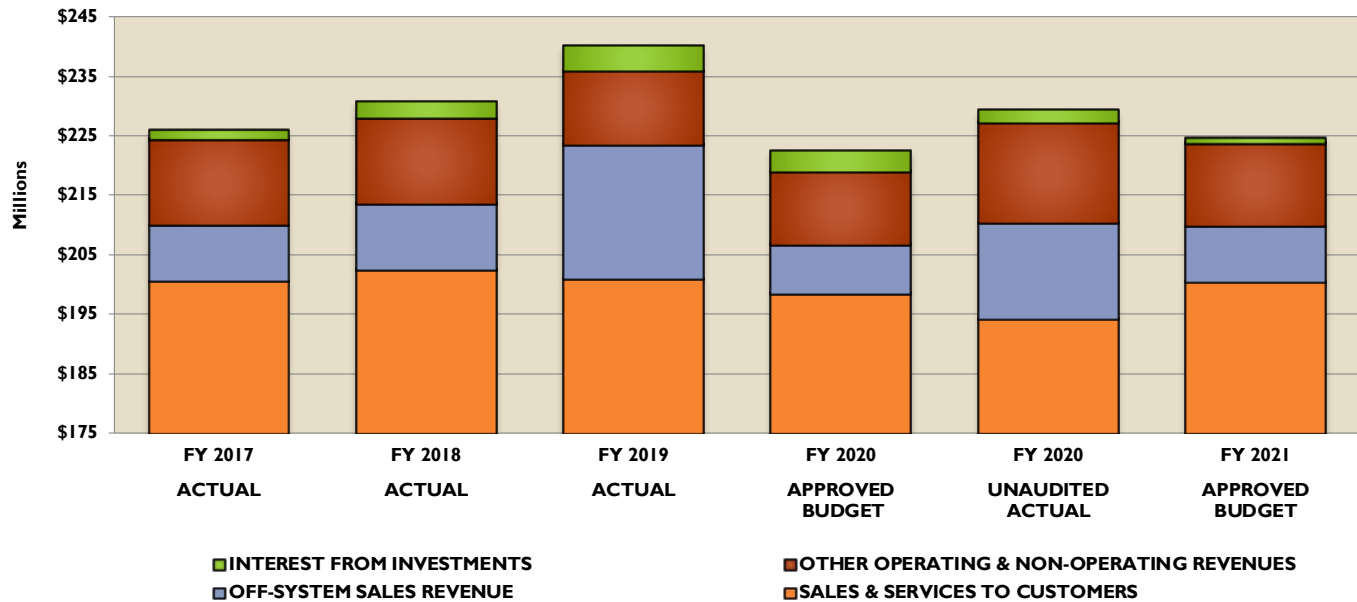
Electric Operating Revenues include off-system sales.

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## REVENUES BY SOURCE

	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
SALES & SERVICES TO CUSTOMERS	\$ 200,564,816	\$ 202,506,061	\$ 200,951,310	\$ 198,406,002	\$ 194,220,435	\$ 200,365,563
OFF-SYSTEM SALES REVENUE	9,348,488	11,067,351	22,575,496	8,250,000	16,110,955	9,400,000
INTEREST FROM INVESTMENTS	1,460,146	2,789,767	4,096,380	3,400,000	2,092,892	900,000
OTHER OPERATING & NON-OPERATING REVENUES	14,507,722	14,352,952	12,457,008	12,349,108	16,883,361	13,951,973
TOTAL	\$ 225,881,172	\$ 230,716,131	\$ 240,080,194	\$ 222,405,110	\$ 229,307,643	\$ 224,617,536



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

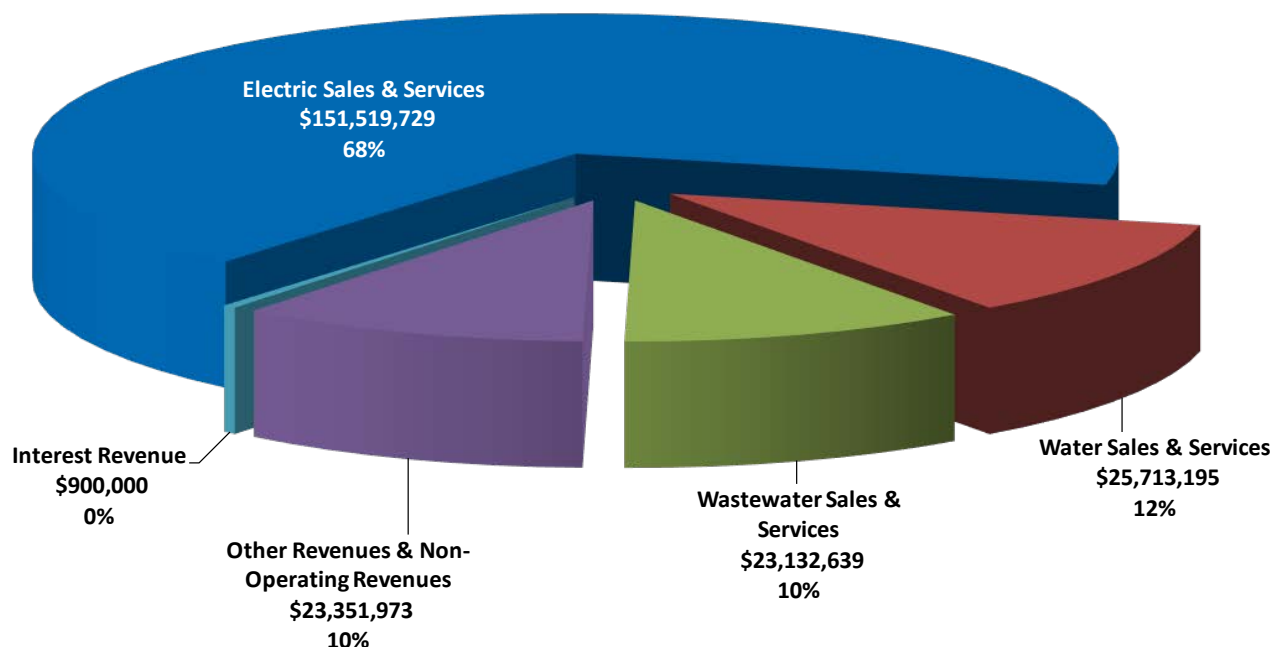
### **SOURCES**

In FY 2020, Brownsville PUB expects to generate 89.20% 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 2021 REVENUES BY SOURCES***

	<u>ELECTRIC</u>	<u>WATER</u>	<u>WASTEWATER</u>	<u>TOTAL</u>
SALES & SERVICES TO CUSTOMERS	\$ 151,519,729	\$ 25,713,195	\$ 23,132,639	\$ 200,365,563
OFF-SYSTEM SALES REVENUE	9,400,000	-	-	9,400,000
INTEREST FROM INVESTMENTS	540,000	180,000	180,000	900,000
OTHER OPERATING & NON-OPERATING REVENUES	12,494,397	728,788	728,788	13,951,973
	<u>\$ 173,954,126</u>	<u>\$ 26,621,983</u>	<u>\$ 24,041,427</u>	<u>\$ 224,617,536</u>

### ***FY 2021 REVENUES BY SYSTEM AND SOURCES***





## ASSUMPTIONS AND TRENDS

The Brownsville PUB estimated unit sales, sales revenues and customer billings for FY 2021 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 2020 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.

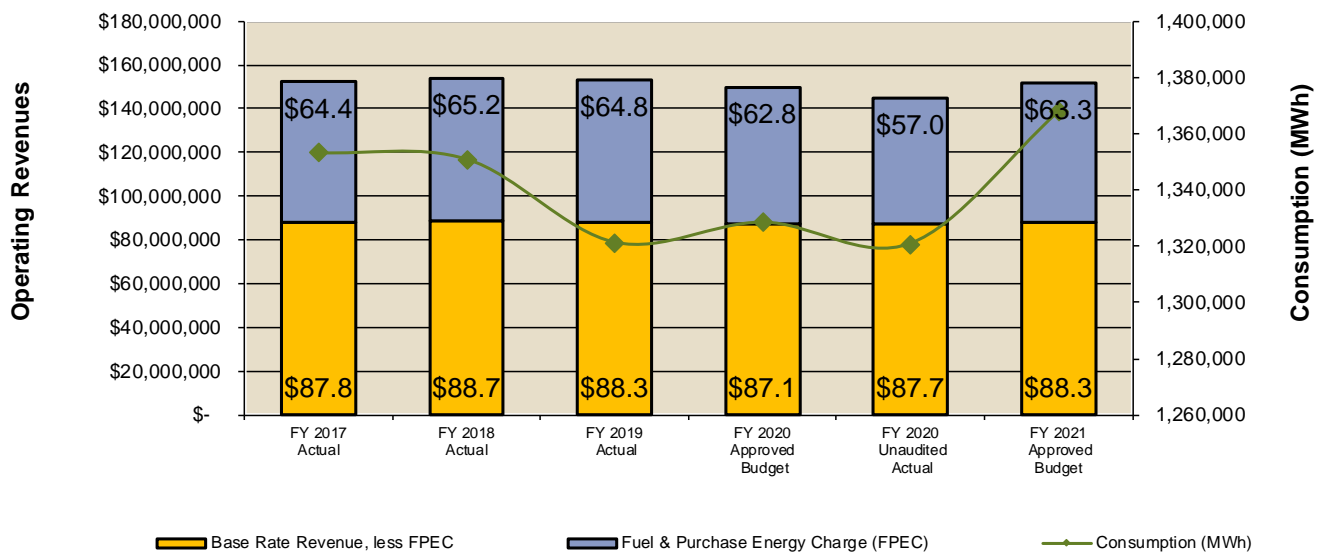
Electric, water and wastewater revenues were developed using current City Commission approved rates.

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 2021 electric sales revenues (excluding off-system sales) are expected to increase \$1.61 million or 1.07% above the FY 2020 Budget levels.

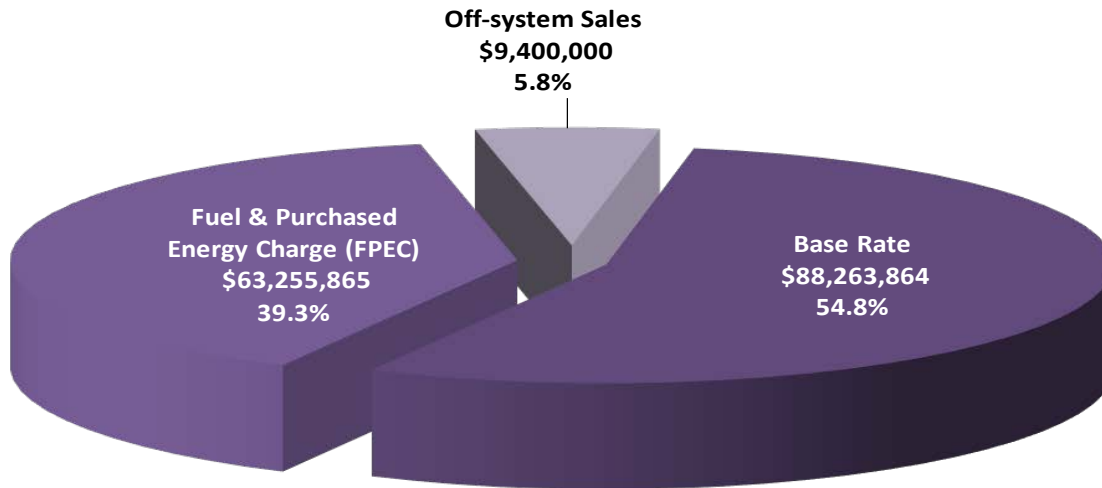
Electric consumption and operating revenues are depicted in the chart below



Fiscal Years 2020 and 2021 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 2021, will be approximately \$151.52 million compared to \$149.91 million in 2020.



The following graph shows electric sales revenues by revenue source:



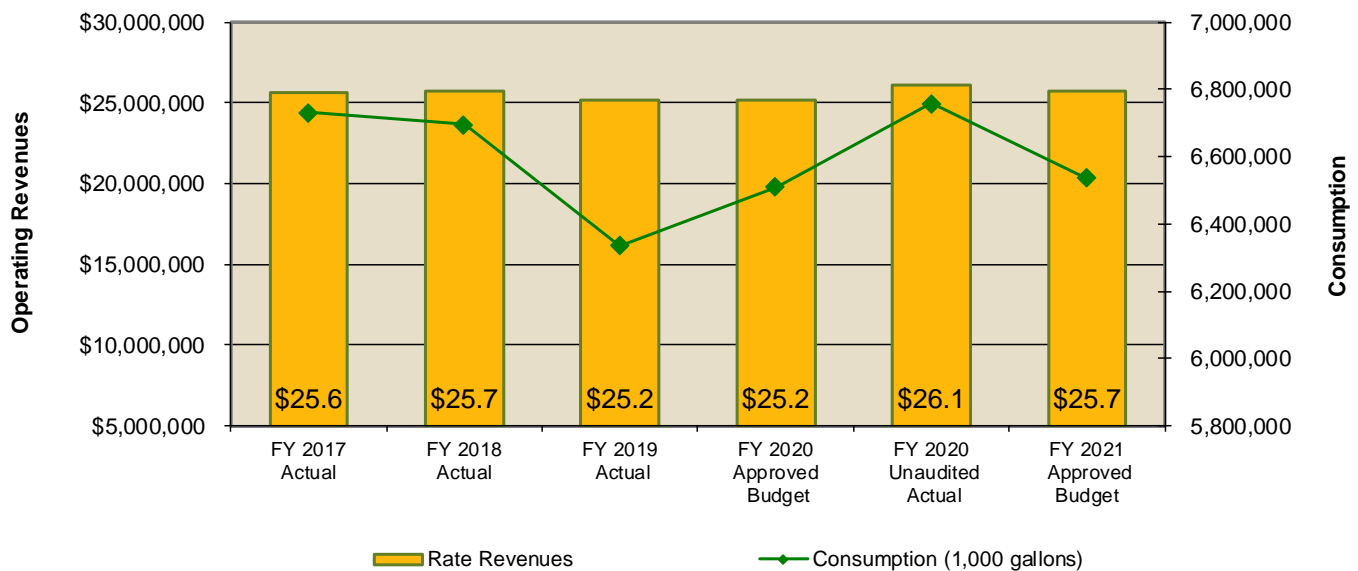
Based upon a review of historical customer statistics, customer accounts have increased on average by approximately 1% per year. For the fiscal year ended September 30, 2020, Brownsville PUB's approximate 51,988 electric customers were comprised of 87.6% residential, 11.3% commercial/industrial, and 1.1% municipal. Residential, commercial/industrial, and municipal customers provided approximately 49.0%, 46.5% and 4.5%, 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 2021 water revenues are expected to increase \$552,548 or 2.2% above FY 2020 budget levels.

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





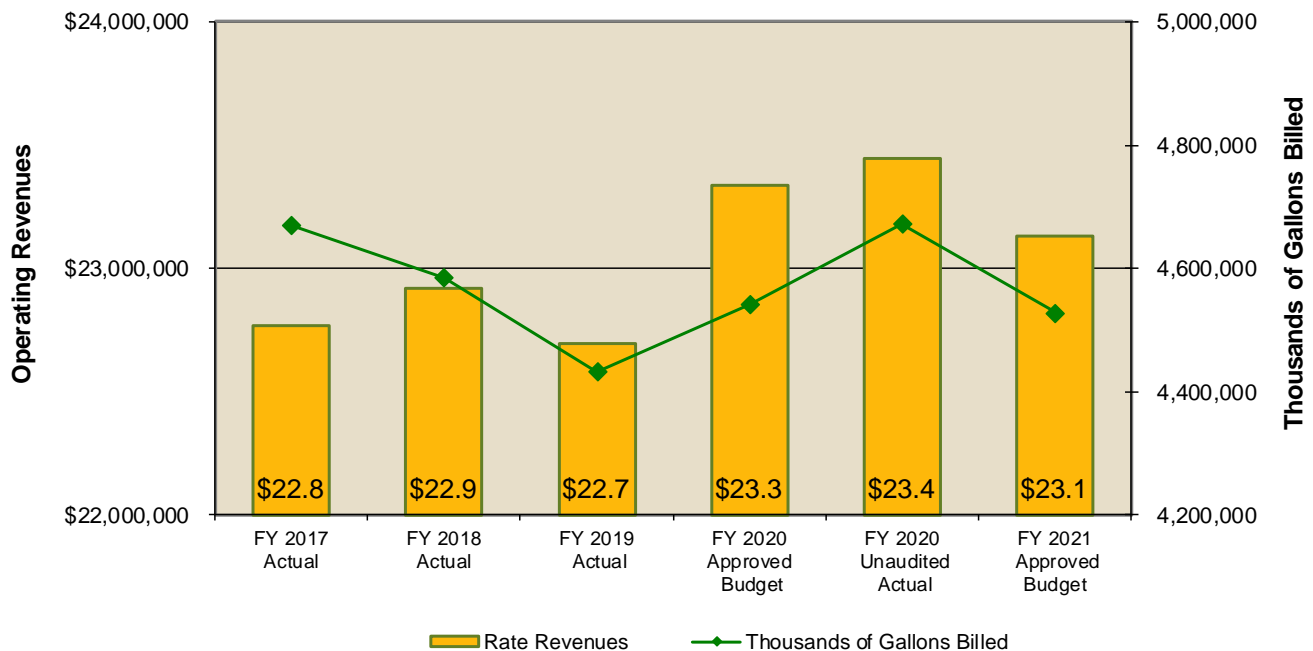
For the fiscal year ended 2020, Brownsville PUB's approximate 52,718 water customers were comprised of residential, commercial, and municipal customers within the City and adjacent unincorporated areas. Brownsville PUB also sells treated water at wholesale rates to three water distribution systems and in FY 2020 these sales accounted for approximately 5.40% of the water system's sales revenues and 8.43% 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 2021 wastewater revenues are expected to decrease \$204,321 or -0.88% below FY 2020 budget levels.

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



The wastewater system provided service to approximately 53,185 customers at the end of FY 2020 and accounted for approximately 12.1% 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 2017 – FY 2021**

	FY 2017 Actual	FY 2018 Actual	FY 2019 Actual	FY 2020 Approved Budget	FY 2020 <b>Unaudited</b> Actual	FY 2021 Approved Budget
1 Operating Revenues	\$ 200,564,816	\$ 202,506,061	\$ 200,951,310	\$ 198,406,002	\$ 194,220,435	\$ 200,365,563
2 Off-system Sales Revenues	9,348,488	11,067,351	22,575,496	8,250,000	16,110,955	9,400,000
3 Net Operating Revenues	209,913,304	213,573,412	223,526,806	206,656,002	210,331,390	209,765,563
4 Interest from Investments	1,460,146	2,789,767	4,096,380	3,400,000	2,092,892	900,000
5 Other Revenues	13,111,962	12,705,173	10,872,968	10,994,288	15,289,421	12,606,637
6 Other Non-operating Revenues	1,395,760	1,647,779	1,584,040	1,354,820	1,593,940	1,345,336
7 Gross Revenues	225,881,172	230,716,131	240,080,194	222,405,110	229,307,643	224,617,536
8 Less:						
9 Fuel & Energy Costs	62,733,293	63,090,839	62,712,666	62,789,845	54,922,676	63,255,865
10 Off-system Sales Expenses	4,315,948	5,301,075	7,751,089	5,362,500	11,073,906	7,050,000
11 SRWA O&M	3,719,365	3,844,573	3,818,338	3,785,726	3,785,726	3,960,083
12 SRWA Debt Service	2,159,360	2,090,064	2,134,891	2,113,521	2,113,521	2,110,980
13 Adjusted Gross Revenues	152,953,206	156,389,580	163,663,210	148,353,518	157,411,814	148,240,608
14 Personnel O&M Expenses	41,151,030	40,951,849	45,018,656	43,485,219	43,358,715	44,094,628
15 Non-Personnel O&M Expenses	29,358,822	33,280,081	32,109,752	40,022,866	33,087,871	33,879,689
16 Subtotal O&M Expenses	70,509,852	74,231,930	77,128,408	83,508,085	76,446,586	77,974,317
17 Other Non-Operating Expenses	437,102	794,953	1,592,628	1,100,000	1,153,038	1,100,000
18 Balance Available for Debt Service and Other Legal Purposes	82,006,252	81,362,697	84,942,174	63,745,433	79,812,190	69,166,291
19 Debt Service:						
20 Existing	25,722,172	25,627,696	25,323,972	25,380,610	25,492,307	27,204,624
21 Commercial Paper Interest Expense	55,636	167,579	442,758	472,500	451,484	70,000
22 Total Debt Service & CP Expense	25,777,808	25,795,275	25,766,730	25,853,110	25,943,791	27,274,624
23 Available After Debt Service	56,228,444	55,567,422	59,175,444	37,892,323	53,868,399	41,891,667
24 Other Uses of Cash:						
25 COB Cash Transfer	10,666,207	11,090,234	11,878,222	9,591,820	11,170,349	9,528,715
26 COB Usage	4,629,113	4,548,723	4,488,098	5,243,531	4,570,832	5,295,345
27 Total Cash/Utility Benefit COB	15,295,320	15,638,957	16,366,320	14,835,351	15,741,181	14,824,061
28 Balance Available to Surplus for Transfers Out	\$ 40,933,124	\$ 39,928,465	\$ 42,809,124	\$ 28,300,503	\$ 38,127,218	\$ 32,362,952
29 <u>Proposed Uses of Balance Available for Transfers Out:</u>						
30 Operating Subaccount-Fuel Adjustment	\$ 15,000,000	\$ 25,500,000	\$ 23,000,000	\$ 18,000,000	\$ 18,000,000	\$ 16,000,000
31 Improvement Fund- CIP Funding	12,850,000	5,982,374	6,880,095	10,300,503	10,300,503	7,378,540
32 Commercial Paper Defeasance	-	-	-	-	-	2,000,000
33 Improvement Fund - COB USACE Program	500,000	-	-	-	-	-
34 Total Transfers Out	28,350,000	31,482,374	29,880,095	28,300,503	28,300,503	25,378,540
35 Balance Available to BPUB:						
36 Improvement Fund - Surplus Revenues	12,583,124	8,446,091	12,929,029	-	9,826,715	6,984,412
37 Total	\$ 40,933,124	\$ 39,928,465	\$ 42,809,124	\$ 28,300,503	\$ 38,127,218	\$ 32,362,952
38 Debt Service Coverage Ratio	3.18	3.15	3.30	2.47	3.08	2.54



# **ELECTRIC REVENUES & REQUIREMENTS**

## **FY 2017 – FY 2021**

	FY 2017 Actual	FY 2018 Actual	FY 2019 Actual	FY 2020 Approved Budget	FY 2020 <b>Unaudited</b> Actual	FY 2021 Approved Budget
1 Operating Revenues	\$ 152,180,837	\$ 153,860,049	\$ 153,092,353	\$ 149,908,395	\$ 144,712,532	\$ 151,519,729
2 Off-system Sales Revenues	9,348,488	11,067,351	22,575,496	8,250,000	16,110,955	9,400,000
3 Net Operating Revenues	161,529,325	164,927,400	175,667,849	158,158,395	160,823,487	160,919,729
4 Interest from Investments	898,840	1,719,313	2,514,764	2,108,000	1,288,678	540,000
5 Other Revenues	11,520,798	11,152,383	9,324,964	9,274,035	14,303,091	11,479,061
6 Other Non-operating Revenues	1,007,230	1,253,078	1,189,676	969,559	1,190,549	1,015,336
7 Gross Revenues	174,956,193	179,052,174	188,697,253	170,509,989	177,605,805	173,954,126
8 Less:						
9 Fuel & Energy Costs	62,733,293	63,090,839	62,712,666	62,789,845	54,922,676	63,255,865
10 Off-system Sales Expenses	4,315,948	5,301,075	7,751,089	5,362,500	11,073,906	7,050,000
11 SRWA O&M	-	-	-	-	-	-
12 SRWA Debt Service	-	-	-	-	-	-
13 Adjusted Gross Revenues	107,906,952	110,660,260	118,233,498	102,357,644	111,609,223	103,648,261
14 Personnel O&M Expenses	21,717,155	21,511,000	26,651,027	24,787,362	24,733,459	25,710,256
15 Non-Personnel O&M Expenses	19,273,671	21,649,685	20,711,774	26,344,279	21,813,337	23,883,419
16 Subtotal O&M Expenses	40,990,826	43,160,685	47,362,801	51,131,641	46,546,796	49,593,675
17 Other Non-Operating Expenses	(63,132)	284,878	15,005	500,000	578,026	500,000
18 Balance Available for Debt Service and Other Legal Purposes	66,979,258	67,214,697	70,855,692	50,726,003	64,484,401	53,554,586
19 Debt Service:						
20 Existing	17,255,779	17,209,083	17,141,014	17,670,158	17,730,472	18,723,383
21 Commercial Paper Interest Expense	32,898	99,089	261,803	274,050	266,962	40,600
22 Total Debt Service & CP Expense	17,288,677	17,308,172	17,402,817	17,944,208	17,997,434	18,763,983
23 Available After Debt Service	49,690,581	49,906,525	53,452,875	32,781,795	46,486,967	34,790,603
24 Other Uses of Cash:						
25 COB Cash Transfer	7,159,916	7,486,259	8,295,604	5,963,402	7,742,541	6,008,384
26 COB Usage	3,630,779	3,579,766	3,527,745	4,272,362	3,418,381	4,356,442
27 Total Cash/Utility Benefit COB	10,790,695	11,066,025	11,823,349	10,235,764	11,160,922	10,364,826
28 Balance Available to Surplus for Transfers Out	<u>\$ 38,899,886</u>	<u>\$ 38,840,500</u>	<u>\$ 41,629,526</u>	<u>\$ 26,818,393</u>	<u>\$ 35,326,045</u>	<u>\$ 28,782,219</u>
29 <u>Proposed Uses of Balance Available for Transfers Out:</u>						
30 Operating Subaccount-Fuel Adjustment	\$ 15,000,000	\$ 25,500,000	\$ 23,000,000	\$ 18,000,000	\$ 18,000,000	\$ 16,000,000
31 Improvement Fund- CIP Funding	11,500,000	5,737,338	6,880,095	8,818,393	8,818,393	6,104,967
32 Commercial Paper Defeasance	-	-	-	-	-	2,000,000
33 Improvement Fund - COB USACE Program	500,000	-	-	-	-	-
34 Total Transfers Out	27,000,000	31,237,338	29,880,095	26,818,393	26,818,393	24,104,967
35 Balance Available to BPUB:						
36 Improvement Fund - Surplus Revenues	11,899,886	7,603,162	11,749,431	-	8,507,652	4,677,252
37 Total	<u>\$ 38,899,886</u>	<u>\$ 38,840,500</u>	<u>\$ 41,629,526</u>	<u>\$ 26,818,393</u>	<u>\$ 35,326,045</u>	<u>\$ 28,782,219</u>
38 Debt Service Coverage Ratio	3.87	3.88	4.07	2.83	3.58	2.85



**WATER REVENUES & REQUIREMENTS**  
**FY 2017 – FY 2021**

	FY 2017 Actual	FY 2018 Actual	FY 2019 Actual	FY 2020 Approved Budget	FY 2020 <b>Unaudited</b> Actual	FY 2021 Approved Budget
1 Operating Revenues	\$ 25,613,846	\$ 25,725,623	\$ 25,162,950	\$ 25,160,647	\$ 26,063,656	\$ 25,713,195
2 Off-system Sales Revenues	-	-	-	-	-	-
3 Net Operating Revenues	25,613,846	25,725,623	25,162,950	25,160,647	26,063,656	25,713,195
4 Interest from Investments	280,653	535,227	790,808	646,000	402,107	180,000
5 Other Revenues	1,029,823	998,603	1,019,821	1,149,657	654,311	563,788
6 Other Non-operating Revenues	194,957	200,674	197,252	194,533	208,414	165,000
7 Gross Revenues	27,119,279	27,460,127	27,170,831	27,150,837	27,328,488	26,621,983
8 Less:						
9 Fuel & Energy Costs	-	-	-	-	-	-
10 Off-system Sales Expenses	-	-	-	-	-	-
11 SRWA O&M	3,719,365	3,844,573	3,818,338	3,785,726	3,785,726	3,960,083
12 SRWA Debt Service	2,159,360	2,090,064	2,134,891	2,113,521	2,113,521	2,110,980
13 Adjusted Gross Revenues	21,240,554	21,525,490	21,217,602	21,251,590	21,429,241	20,550,920
14 Personnel O&M Expenses	9,531,469	9,258,699	8,332,114	8,305,199	9,438,474	8,449,981
15 Non-Personnel O&M Expenses	5,062,165	6,586,640	5,719,687	6,907,758	6,376,861	5,066,059
16 Subtotal O&M Expenses	14,593,634	15,845,339	14,051,801	15,212,957	15,815,335	13,516,040
17 Other Non-Operating Expenses	267,499	227,543	842,202	300,000	173,407	300,000
18 Balance Available for Debt Service and Other Legal Purposes	6,379,421	5,452,608	6,323,599	5,738,633	5,440,499	6,734,880
19 Debt Service:						
20 Existing	3,458,201	3,447,387	3,426,888	3,362,516	3,381,445	3,663,274
21 Commercial Paper Interest Expense	9,358	28,187	74,472	85,050	75,940	12,600
22 Total Debt Service & CP Expense	3,467,559	3,475,574	3,501,360	3,447,566	3,457,385	3,675,874
23 Available After Debt Service	2,911,862	1,977,034	2,822,239	2,291,067	1,983,114	3,059,006
24 Other Uses of Cash:						
25 COB Cash Transfer	1,455,808	1,509,013	1,489,232	1,480,056	1,408,276	1,435,081
26 COB Usage	668,247	643,536	632,528	645,103	734,648	620,011
27 Total Cash/Utility Benefit COB	2,124,055	2,152,549	2,121,760	2,125,159	2,142,924	2,055,092
28 Balance Available to Surplus for Transfers Out	<u>\$ 787,807</u>	<u>\$ (175,515)</u>	<u>\$ 700,479</u>	<u>\$ 811,011</u>	<u>\$ (159,810)</u>	<u>\$ 1,623,925</u>
29 <u>Proposed Uses of Balance Available for Transfers Out:</u>						
30 Operating Subaccount-Fuel Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31 Improvement Fund- CIP Funding	1,350,000	-	-	811,011	811,011	519,923
32 Commercial Paper Defeasance	-	-	-	-	-	-
33 Improvement Fund - COB USACE Program	-	-	-	-	-	-
34 Total Transfers Out	1,350,000	-	-	811,011	811,011	519,923
35 Balance Available to BPUB:						
36 Improvement Fund - Surplus Revenues	(562,193)	(175,515)	700,479	-	(970,821)	1,104,002
37 Total	<u>\$ 787,807</u>	<u>\$ (175,515)</u>	<u>\$ 700,479</u>	<u>\$ 811,011</u>	<u>\$ (159,810)</u>	<u>\$ 1,623,925</u>
38 Debt Service Coverage Ratio	1.84	1.57	1.81	1.66	1.57	1.83



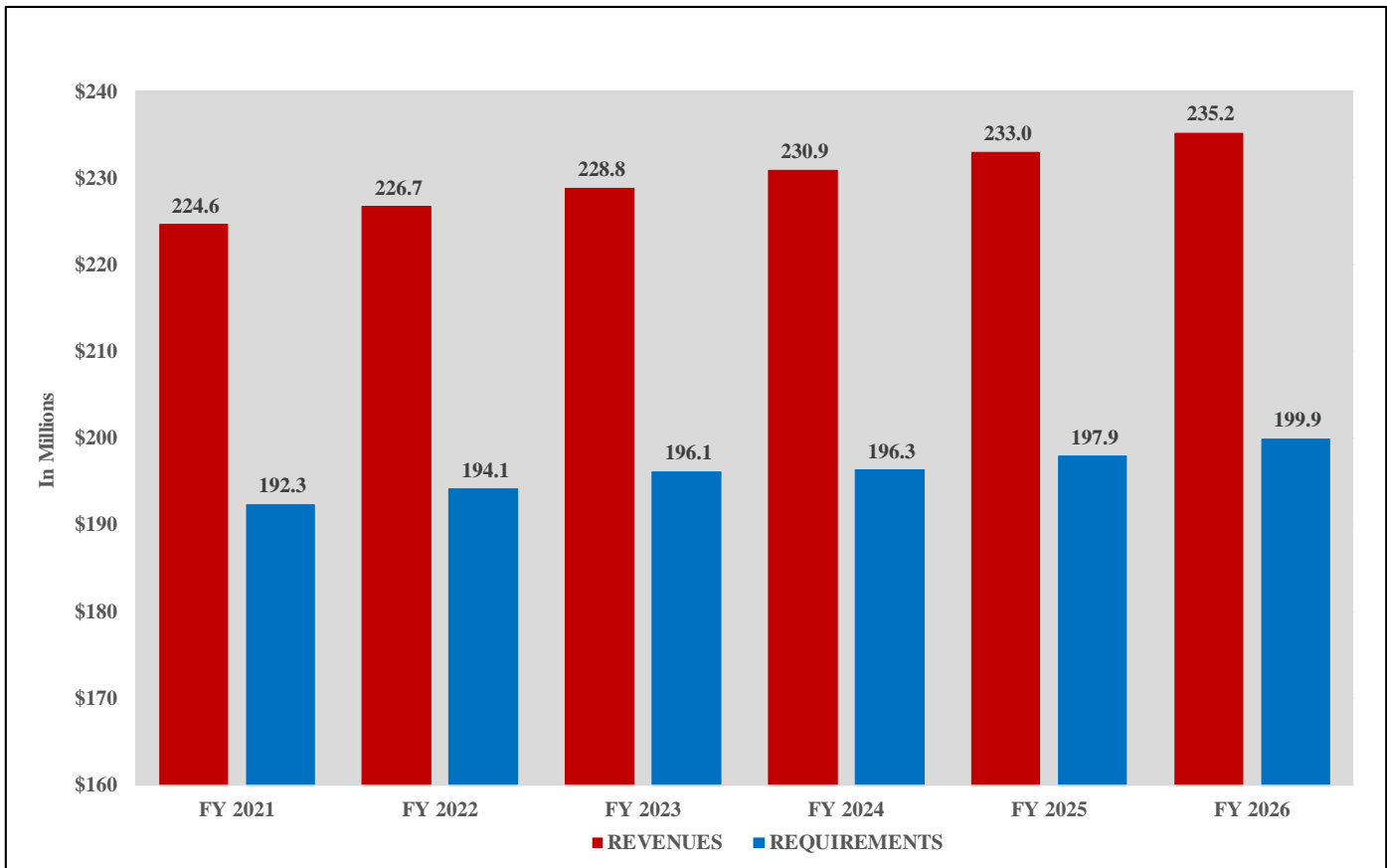
# WASTEWATER REVENUES & REQUIREMENTS

## FY 2017 – FY 2021

	FY 2017 Actual	FY 2018 Actual	FY 2019 Actual	FY 2020 Approved Budget	FY 2020 <b>Unaudited</b> Actual	FY 2021 Approved Budget
1 Operating Revenues	\$ 22,770,133	\$ 22,920,389	\$ 22,696,007	\$ 23,336,960	\$ 23,444,247	\$ 23,132,639
2 Off-system Sales Revenues	-	-	-	-	-	-
3 Net Operating Revenues	22,770,133	22,920,389	22,696,007	23,336,960	23,444,247	23,132,639
4 Interest from Investments	280,653	535,227	790,808	646,000	402,107	180,000
5 Other Revenues	561,341	554,187	528,183	570,596	332,019	563,788
6 Other Non-operating Revenues	193,573	194,027	197,112	190,728	194,977	165,000
7 Gross Revenues	23,805,700	24,203,830	24,212,110	24,744,284	24,373,350	24,041,427
8 Less:						
9 Fuel & Energy Costs	-	-	-	-	-	-
10 Off-system Sales Expenses	-	-	-	-	-	-
11 SRWA O&M	-	-	-	-	-	-
12 SRWA Debt Service	-	-	-	-	-	-
13 Adjusted Gross Revenues	23,805,700	24,203,830	24,212,110	24,744,284	24,373,350	24,041,427
14 Personnel O&M Expenses	9,902,406	10,182,150	10,035,515	10,392,658	9,186,782	9,934,391
15 Non-Personnel O&M Expenses	5,022,986	5,043,756	5,678,291	6,770,829	4,897,673	4,930,211
16 Subtotal O&M Expenses	14,925,392	15,225,906	15,713,806	17,163,487	14,084,455	14,864,602
17 Other Non-Operating Expenses	232,735	282,532	735,421	300,000	401,605	300,000
18 Balance Available for Debt Service and Other Legal Purposes	8,647,573	8,695,392	7,762,883	7,280,797	9,887,290	8,876,825
19 Debt Service:						
20 Existing	5,008,192	4,971,226	4,756,070	4,347,936	4,380,390	4,817,967
21 Commercial Paper Interest Expense	13,380	40,303	106,483	113,400	108,582	16,800
22 Total Debt Service & CP Expense	5,021,572	5,011,529	4,862,553	4,461,336	4,488,972	4,834,767
23 Available After Debt Service	3,626,001	3,683,863	2,900,330	2,819,461	5,398,318	4,042,058
24 Other Uses of Cash:						
25 COB Cash Transfer	2,050,483	2,094,962	2,093,386	2,148,362	2,019,532	2,085,250
26 COB Usage	330,087	325,421	327,825	326,066	417,803	318,893
27 Total Cash/Utility Benefit COB	2,380,570	2,420,383	2,421,211	2,474,428	2,437,335	2,404,143
28 Balance Available to Surplus for Transfers Out	\$ 1,245,431	\$ 1,263,480	\$ 479,119	\$ 671,099	\$ 2,960,983	\$ 1,956,808
29 Proposed Uses of Balance Available for Transfers Out:						
30 Operating Subaccount-Fuel Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31 Improvement Fund- CIP Funding	-	245,036	-	671,099	671,099	753,650
32 Commercial Paper Defeasance	-	-	-	-	-	-
33 Improvement Fund - COB USACE Program	-	-	-	-	-	-
34 Total Transfers Out	-	245,036	-	671,099	671,099	753,650
35 Balance Available to BPUB:						
36 Improvement Fund - Surplus Revenues	1,245,431	1,018,444	479,119	-	2,289,884	1,203,158
37 Total	\$ 1,245,431	\$ 1,263,480	\$ 479,119	\$ 671,099	\$ 2,960,983	\$ 1,956,808
38 Debt Service Coverage Ratio	1.72	1.74	1.60	1.63	2.20	1.84



**PROJECTED REVENUES & REQUIREMENTS**  
**FY 2021 – FY 2026**



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 decreased recently based on changing market conditions and are forecasted to decrease in FY 2021 and level off 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 average national inflation rates.
- Other Non-Operating Expenses have and should continue to remain relatively flat.
- Debt Service increased during FY 2021 due to a new issue of \$50 million 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 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<b>O&amp;M PERSONNEL</b>						
6101 Supervision	\$ 269,541	\$ 264,555	\$ 265,924	\$ 264,626	\$ 275,023	\$ 273,218
6110 Clerical staff	87,928	83,732	84,330	82,181	95,923	92,914
6130 Overtime	4,568	2,987	2,601	2,963	169	2,680
6201 T.M.R.S.	65,394	64,269	69,336	14,913	71,747	17,184
6205 F.I.C.A.	12,588	12,410	12,618	21,502	13,245	22,700
6210 Medicare	5,407	5,270	5,260	5,029	5,467	5,309
6214 Dental Insurance	766	786	1,382	1,729	1,608	1,805
6215 Hospitalization insurance	18,695	17,374	18,144	20,344	25,003	29,395
6220 Life Insurance	425	359	253	372	223	391
6221 Long Term Disability Insurance	896	292	295	694	381	732
6225 Workers Compensation	9,250	8,984	9,028	8,670	9,480	9,153
6230 Vacation leave	9,275	(17,499)	0	4,428	15,757	4,676
6235 Sick leave	18,766	(86)	(736)	4,871	4,342	5,144
6242 Auto Benefits	9,000	9,000	9,346	9,000	9,000	9,000
6260 Vacancy Savings	-	-	-	(21,003)	-	(18,307)
<b>O&amp;M PERSONNEL TOTAL</b>	<b>512,498</b>	<b>452,434</b>	<b>477,783</b>	<b>420,318</b>	<b>527,369</b>	<b>455,996</b>
<b>O&amp;M NON-PERSONNEL</b>						
7101 Advertising	-	-	1,373	-	-	-
7102 Sponsorships	37,200	42,200	34,700	50,000	22,800	25,000
7105 Books & periodicals	5,000	-	221	500	-	500
7110 Dues & memberships	2,595	1,774	2,311	8,500	54,959	8,000
7120 Office supplies	2,286	3,585	3,057	3,000	1,884	3,000
7130 Postage/shipping charges	145	347	387	300	352	300
7140 Training expenses	600	1,918	450	903	299	500
7145 Travel expenses	14,473	8,078	7,886	5,632	3,700	5,000
7225 Safety supplies	-	-	-	-	2	-
7299 Other materials & supplies	879	1,013	1,903	1,000	4,561	2,000
7310 Federal, state, & local fees	-	-	2,516	1,000	-	1,000
7315 Food, meals, ice, water	2,488	3,442	1,404	1,500	1,999	2,300
7320 Official functions	600	960	926	800	-	800
7601 Legal Fees	1,535,509	1,383,243	1,632,021	1,189,000	1,397,584	1,200,000
7605 Engineering fees	2,520	11,620	1,816	20,000	4,020	10,000
7699 Other services	-	5,950	18,110	25,000	2,185	15,000
7805 Computer equipment	65	-	-	300	-	300
7820 Office furniture & equipment	991	642	-	1,500	-	1,500
<b>O&amp;M NON-PERSONNEL TOTAL</b>	<b>1,605,350</b>	<b>1,464,773</b>	<b>1,709,080</b>	<b>1,308,935</b>	<b>1,494,344</b>	<b>1,275,200</b>
	<b>2,117,848</b>	<b>1,917,207</b>	<b>2,186,863</b>	<b>1,729,253</b>	<b>2,021,713</b>	<b>1,731,196</b>





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

**PERFORMANCE MEASURES  
FOR THE  
INTERNAL AUDIT DEPARTMENT**

**Department Function:**

The Internal Audit (IA) Department is responsible for 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 IA Charter defines what the Board of Directors and Executive Management can expect from the IA and directs the efforts on the IA 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 use a risk assessment program to perform audits for the fiscal year. IA staff conducts operational audits to improve and enhance the efficiency and effectiveness of BPUB's departmental functions through findings, recommendations and follow-ups. Audits are conducted to ensure standard operating policies and procedures are utilized in daily operations. IA staff also investigates allegations pertaining to fraud, waste and abuse of BPUB's resources.

**INPUT MEASURES**

Employees (FTE)	3	3	3	3
O&M Personnel Expenses	\$ 293,342	\$ 327,776	\$ 348,709	\$ 357,213
O&M Non-Personnel Expenses	\$ 14,709	\$ 13,843	\$ 5,024	\$ 15,902
Total O&M Expenses	\$ 308,051	\$ 341,619	\$ 353,733	\$ 373,115

**OUTPUT MEASURES**

Audit Service Hours	4,680	4,680	4,680	4,680
Administrative Hours	1,560	1,560	1,560	1,560
Internal Audit Reports	27	29	20	29
Special Reviews/Requests	2	2	2	2
Follow-up Audits	25	23	21	25
Unannounced Cash and Inventory Counts	11	10	6	5
Fraud Allegations (Hotline)	3	8	10	5
Reports Issued	68	72	59	66
Board Meetings	12	12	12	12
Audit Committee Presentations	4	4	2	4

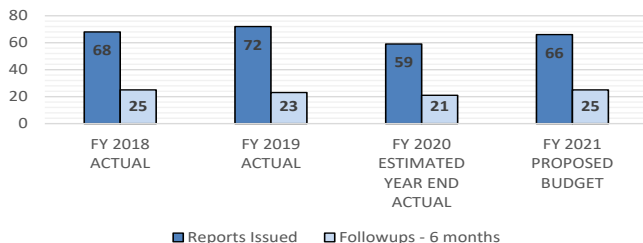
**OUTCOME MEASURES**

% of Annual Audit Plan Completed	100%	100%	100%	100%
Findings/Recommendations	102	109	95	85
- Audit Concurrence for Recommendations	93%	99%	98%	98%
Followups - 6 months	25	23	21	25
Implemented	69	82	74	75
In Progress	28	15	21	21

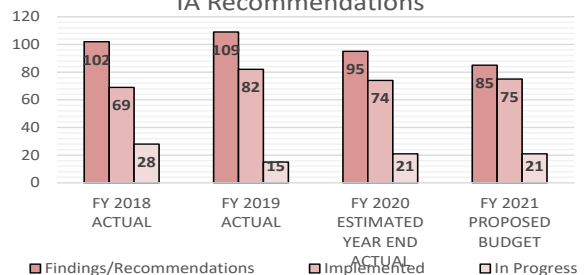
**EFFICIENCY MEASURES**

Internal Audit Reports Completed Per Auditor	9	24	20	22
Follow-ups Completed Per Auditor	8	8	7	8
Unannounced Cash and Inventory Counts	4	3	2	2
Fraud Allegations Completed Per Auditor	2	3	4	2

**Audit Reports**



**IA Recommendations**





## DEPARTMENT 1120 - INTERNAL AUDIT

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 79,592	\$ 81,600	\$ 96,549	\$ 114,005	\$ 118,484	\$ 117,707
6105 Administrative Staff	125,496	125,778	126,261	125,778	116,222	129,854
6201 T.M.R.S.	35,950	37,088	40,073	41,890	42,324	43,893
6205 F.I.C.A.	11,972	12,251	13,288	14,867	14,073	15,349
6210 Medicare	2,800	2,865	3,108	3,477	3,291	3,590
6214 Dental Insurance	803	815	1,651	2,103	1,901	2,103
6215 Hospitalization insurance	26,702	27,150	28,329	31,727	31,670	35,998
6220 Life Insurance	267	226	201	266	208	273
6221 Long Term Disability Insurance	541	175	337	480	476	495
6225 Workers Compensation	5,079	5,184	5,657	5,995	6,417	6,189
6230 Vacation leave	(1,153)	3,142	2,514	3,062	2,040	3,161
6235 Sick leave	3,310	(2,931)	6,348	3,368	4,101	3,478
6242 Auto Benefits	-	-	3,462	7,500	7,500	7,500
6260 Vacancy Savings	-	-	-	(17,029)	-	(12,378)
<i>O&amp;M PERSONNEL TOTAL</i>	291,361	293,342	327,776	337,485	348,709	357,213
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	52	1,510	-	1,500	-	1,500
7110 Dues & memberships	1,914	1,854	2,121	2,744	2,111	3,074
7120 Office supplies	954	873	2,140	1,500	247	1,700
7140 Training expenses	2,235	4,055	4,167	2,919	1,236	4,405
7145 Travel expenses	3,181	4,899	3,722	5,568	1,187	4,473
7225 Safety supplies	-	-	-	100	127	100
7299 Other materials & supplies	-	14	-	-	-	-
7315 Food, meals, ice, water	210	215	147	500	70	500
7335 Wearing apparel & dry goods	643	745	935	1,003	-	-
7415 Fuels & lubricants	123	194	161	500	46	150
7805 Computer equipment	-	-	-	-	-	-
7820 Office furniture & equipment	600	350	450	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	9,913	14,709	13,843	16,334	5,024	15,902
	301,274	308,051	341,619	353,819	353,733	373,115





**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**

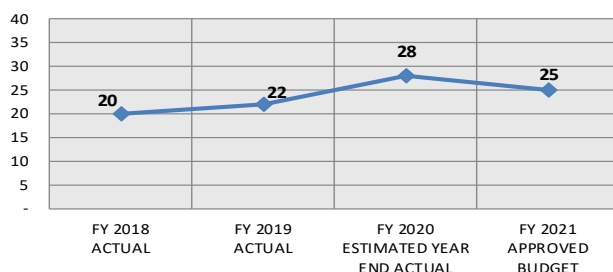
Number of new Key Accounts  
Number of electric conversions (to BPUB) facilitated by KA Department  
Number of new subdivision projects facilitated by KA Department  
Number of new commercial projects facilitated by KA Department  
Key Accounts satisfied with the level of service delivered by KA Department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

**EFFICIENCY MEASURES**

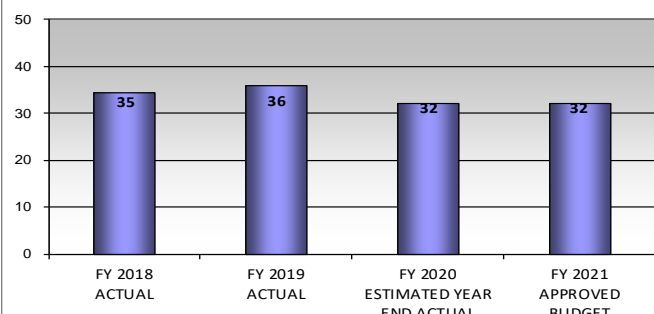
Number of Key Accounts per representative  
Average number of field visits per representative

FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
4	4	4	4
\$ 286,938	\$ 300,570	\$ 279,113	\$ 296,831
69	71	68	70
260	260	260	260
200	200	200	200
5	4	5	4
4	4	5	4
10	7	10	8
20	22	28	25
Yes	Yes	Yes	Yes
28%	25%	25%	24%
35	36	32	32
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 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 48,328	\$ 48,821	\$ 49,056	\$ 48,822	\$ 50,736	\$ 50,403
6105 Administrative Staff	122,362	122,637	123,226	122,637	127,506	126,630
6110 Clerical staff	20,241	-	-	-	-	-
6130 Overtime	897	-	-	-	-	-
6201 T.M.R.S.	33,590	30,663	38,103	29,954	38,927	31,388
6205 F.I.C.A.	11,072	9,902	9,869	10,630	10,156	10,976
6206 Suta	-	-	-	-	-	-
6210 Medicare	2,589	2,316	2,308	2,486	2,375	2,567
6214 Dental Insurance	1,044	868	1,751	2,230	2,019	2,230
6215 Hospitalization insurance	33,898	30,157	31,463	35,266	35,282	40,055
6220 Life Insurance	258	193	164	199	159	205
6221 Long Term Disability Insurance	503	145	258	343	340	354
6225 Workers Compensation	4,746	4,286	4,306	4,286	4,456	4,426
6230 Vacation leave	204	4,793	1,182	2,189	6,195	2,261
6235 Sick leave	2,847	(695)	6,920	2,408	(12,323)	2,487
6260 Vacancy Savings	-	-	-	(12,843)	-	(8,852)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>282,579</u>	<u>254,087</u>	<u>268,606</u>	<u>248,608</u>	<u>265,827</u>	<u>265,131</u>
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising	1,230	10,845	9,003	8,000	1,978	8,000
7102 Sponsorships	-	-	-	-	-	-
7105 Books & periodicals	-	-	-	250	-	200
7110 Dues & memberships	-	-	-	500	-	500
7120 Office supplies	587	1,273	1,306	1,500	1,032	1,000
7130 Postage/shipping charges	151	46	45	1,200	-	500
7135 Telephone expenses	-	-	-	500	-	-
7140 Training expenses	4,956	3,313	4,948	1,764	650	1,500
7145 Travel expenses	6,024	5,503	5,057	2,816	5,101	2,500
7147 Mileage Reimbursement (InTownExp)	28	-	-	250	-	250
7299 Other materials & supplies	10	-	-	250	20	250
7315 Food, meals, ice, water	3,894	308	283	3,000	54	500
7320 Official functions	8,902	6,895	7,200	12,000	100	7,500
7415 Fuels & lubricants	834	924	823	800	1,188	800
7635 Software maintenance service fees	700	-	-	5,500	-	-
7699 Other services	22,255	3,366	2,880	13,580	3,163	5,000
7805 Computer equipment	1,462	-	-	1,200	-	1,200
7806 Software licenses-new	-	-	-	1,500	-	1,500
7820 Office furniture & equipment	4,143	376	419	1,200	-	500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>55,176</u>	<u>32,851</u>	<u>31,963</u>	<u>55,810</u>	<u>13,286</u>	<u>31,700</u>
	<b>337,755</b>	<b>286,938</b>	<b>300,569</b>	<b>304,418</b>	<b>279,113</b>	<b>296,831</b>





**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 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 128,524	\$ 128,856	\$ 128,918	\$ 128,856	\$ 180,734	\$ 133,037
6105 Administrative Staff	-	-	-	-	4,303	-
6110 Clerical staff	28,113	19,028	16,398	28,454	14,611	28,454
6130 Overtime	1,197	340	339	1,170	59	1,207
6201 T.M.R.S.	29,503	28,775	27,556	27,482	36,937	28,632
6205 F.I.C.A.	9,358	9,223	9,061	9,753	12,517	10,012
6210 Medicare	2,399	2,296	2,241	2,281	3,019	2,342
6214 Dental Insurance	522	449	786	1,169	1,386	1,169
6215 Hospitalization insurance	13,967	13,945	12,392	16,876	22,687	19,019
6220 Life Insurance	201	154	125	175	165	178
6221 Long Term Disability Insurance	410	117	208	315	355	323
6225 Workers Compensation	4,169	4,036	3,884	3,933	5,293	4,037
6230 Vacation leave	2,051	3,395	(591)	2,009	11,778	2,062
6235 Sick leave	(206)	2,130	793	2,209	7,268	2,269
6242 Auto Benefits	7,500	7,500	7,788	7,500	7,500	7,500
6243 Telephone Benefits	1,680	1,680	1,745	1,680	1,680	1,680
6260 Vacancy Savings	-	-	-	(10,965)	-	(8,075)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>229,387</i>	<i>221,924</i>	<i>211,644</i>	<i>222,897</i>	<i>310,290</i>	<i>233,847</i>

*O&M NON-PERSONNEL*

7101 Advertising	426	-	-	-	-	-
7105 Books & periodicals	-	-	-	-	-	-
7110 Dues & memberships	846	336	1,030	1,000	1,014	1,000
7115 Educational material	-	-	-	200	-	-
7120 Office supplies	1,175	1,129	918	1,500	241	1,000
7130 Postage/shipping charges	246	62	148	150	152	200
7135 Telephone expenses	-	-	-	-	-	-



## **DEPARTMENT 1130 - COMMUNICATIONS AND ADMINISTRATIVE SERVICES**

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
7140 Training expenses	999	600	1,375	1,260	295	2,000
7145 Travel expenses	687	5,462	2,818	3,168	1,778	-
7215 Laundry & janitorial supplies	-	-	-	-	-	-
7225 Safety supplies	23	33	-	250	-	250
7299 Other materials & supplies	182	429	-	500	-	500
7315 Food, meals, ice, water	1,352	1,224	1,668	1,500	165	1,000
7320 Official functions	-	923	-	2,000	-	-
7325 Rental of equip/storage/land	4,270	3,760	3,429	6,875	2,400	4,000
7335 Wearing apparel & dry goods	-	-	-	-	-	-
7601 Legal Fees	-	635	-	2,000	-	-
7645 Maintenance services	17,179	18,275	7,701	25,000	5,588	15,000
7805 Computer equipment	-	-	-	-	-	-
7806 Software licenses-new	-	-	-	-	-	-
7820 Office furniture & equipment	-	-	-	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	27,386	32,868	19,088	45,403	11,634	24,950
	256,773	254,792	230,732	268,300	321,924	258,797





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**

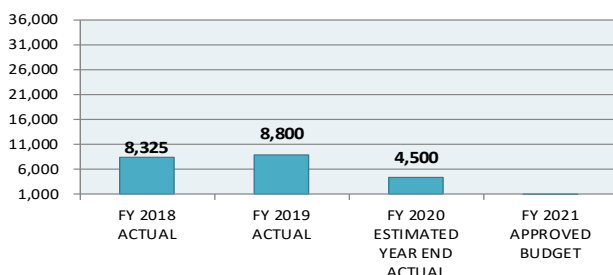
Public Information Campaigns Conducted  
 No. of Participants in Community Presentations  
 No. of Participants in Tours  
 No. of Participants in Safety Presentations  
 No. of Participants in Lobby Presentations  
 No. of Bill Inserts Distributed (Including CCR)  
 Customer Online Engagement\* (Based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

**EFFICIENCY MEASURES**

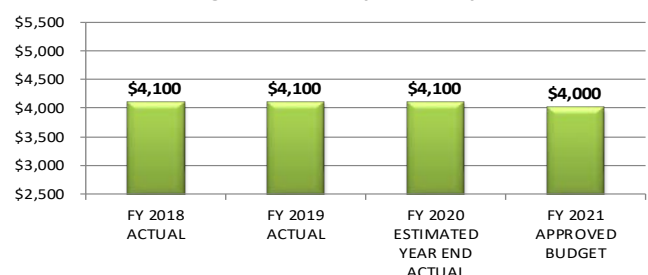
Avg. No. of Outreach Contacts (Media/Communications)  
 Avg. Amount of Sponsorship

FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
4	4	4	3
\$ 823,557	\$ 634,337	\$ 684,961	\$ 662,758
12	12	12	12
90	115	28	2
25	30	10	2
35	35	15	2
20	20	10	-
28	25	-	20
31	31	32	30
6	5	4	4
11	11	5	11
11	10	9	10
64,000	64,000	67,000	70,000
12	6	6	9
8,325	8,800	4,500	50
250	337	182	50
2,300	1,500	1,000	50
150	150	75	-
618,600	619,000	603,000	620,000
33,059	50,000	75,000	80,000
200	200	200	100
\$ 4,100	\$ 4,100	\$ 4,100	\$ 4,000

**No. of Participants in Community Presentations**



**Avg. Amount of Sponsorship**





## DEPARTMENT 1135 - COMMUNICATIONS AND PUBLIC RELATIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 71,973	\$ 72,134	\$ 62,589	\$ 120,765	\$ 72,258	\$ 128,024
6105 Administrative Staff	150,796	159,679	135,328	106,101	129,874	52,062
6201 T.M.R.S.	39,026	42,399	35,160	39,633	35,341	31,929
6205 F.I.C.A.	13,199	14,211	11,984	14,066	12,405	11,165
6210 Medicare	3,087	3,323	2,803	3,290	2,901	2,611
6214 Dental Insurance	1,075	1,086	1,632	2,261	1,532	1,451
6215 Hospitalization insurance	32,909	33,141	26,567	33,401	24,269	23,571
6220 Life Insurance	298	258	185	261	176	206
6221 Long Term Disability Insurance	589	193	310	454	383	360
6225 Workers Compensation	5,514	5,926	4,964	5,672	5,053	4,502
6230 Vacation leave	576	2,829	2,161	2,897	(681)	2,300
6235 Sick leave	6,359	11,755	3,839	3,186	(18,123)	2,530
6260 Vacancy Savings	-	-	-	(16,295)	-	(9,004)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>325,399</u>	<u>346,934</u>	<u>287,522</u>	<u>315,691</u>	<u>265,387</u>	<u>251,708</u>
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising	140,892	141,077	130,900	235,000	130,043	130,000
7102 Sponsorships	123,450	119,600	127,700	154,500	116,550	110,000
7105 Books & periodicals	-	-	-	200	-	-
7110 Dues & memberships	4,566	4,173	7,265	2,800	1,769	2,500
7115 Educational material	-	-	-	18,000	-	1,000
7120 Office supplies	1,217	600	421	2,000	1,028	500
7125 Photo equipment/supplies	811	41	-	-	-	-
7130 Postage/shipping charges	108	131	123	100	-	100
7135 Telephone expenses	-	-	-	100	-	-
7140 Training expenses	3,755	1,784	1,915	2,037	1,550	1,000
7145 Travel expenses	2,311	8,428	6,069	7,872	3,165	-
7199 Miscellaneous office expenses	139	-	-	1,000	-	500
7215 Laundry & janitorial supplies	303	150	496	500	188	200
7225 Safety supplies	317	286	105	200	133	200
7299 Other materials & supplies	1,108	1,167	306	3,000	180	500
7315 Food, meals, ice, water	1,438	2,869	3,904	3,000	870	1,000
7320 Official functions	20,592	15,862	6,406	20,000	4,810	1,000
7325 Rental of equip/storage/land	2,236	3,851	4,059	5,000	5,249	6,000
7335 Wearing apparel & dry goods	-	202	693	1,100	269	250
7415 Fuels & lubricants	267	197	190	500	80	100
7601 Legal Fees	-	-	-	-	-	-
7645 Maintenance services	-	-	200	-	-	-
7699 Other services	174,599	171,107	51,168	200,000	149,397	150,000
7805 Computer equipment	12	2,832	-	7,877	233	4,000
7806 Software licenses-new	744	1,704	3,390	2,650	4,060	2,200
7820 Office furniture & equipment	30	562	1,505	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>478,897</u>	<u>476,623</u>	<u>346,815</u>	<u>667,436</u>	<u>419,574</u>	<u>411,050</u>
	<b>804,296</b>	<b>823,557</b>	<b>634,337</b>	<b>983,127</b>	<b>684,961</b>	<b>662,758</b>





Department Responsibility: Marisa P. Gaytan

Title: Training and Organizational Development Manager

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

Total Training Sessions delivered in all categories

% Instructor Led Learning Courses

% Online Learning Courses

### OUTCOME MEASURES

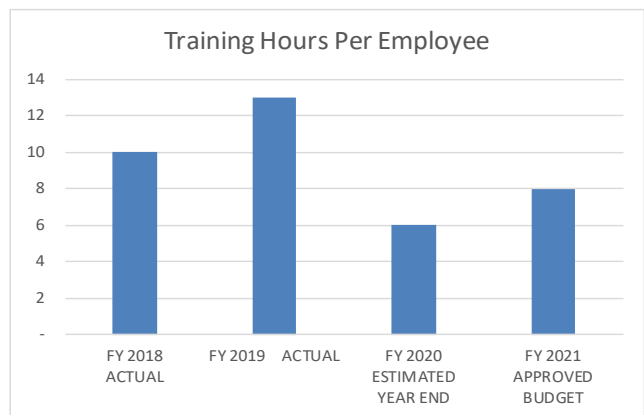
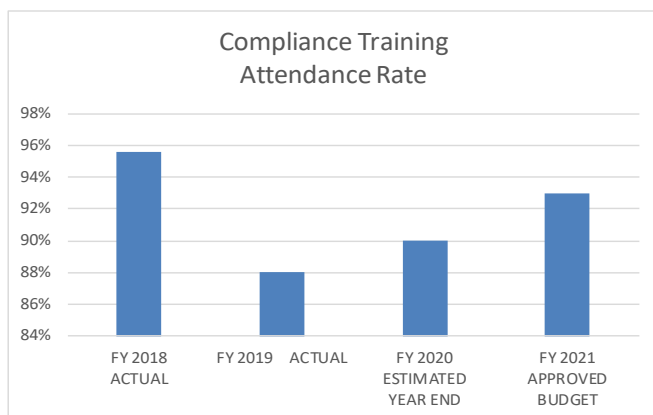
Attendance Rate for Compliance Training

### EFFICIENCY MEASURES

Training hours per employee

Training dollar invested per employee

	FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END	FY 2021 APPROVED BUDGET
Employees (FTEs)	3	3	3	3
O&M Non-Personnel Expenses	\$ 153,166	\$ 116,301	\$ 80,240	\$ 86,650
Total Training Sessions delivered in all categories	687	400	675	675
% Instructor Led Learning Courses	18%	48%	14%	10%
% Online Learning Courses	82%	52%	86%	90%
Attendance Rate for Compliance Training	96%	88%	90%	93%
Training hours per employee	10	13	6	8
Training dollar invested per employee	\$ 11.72	\$ 12.43	\$ 12.00	\$ 12.00





## DEPARTMENT 1140 – TRAINING AND ORGANIZATIONAL DEVELOPMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 70,697	\$ 71,227	\$ 87,953	\$ 72,010	\$ 142,913	\$ 74,360
6105 Administrative Staff	85,931	121,450	102,045	122,138	56,051	126,110
6130 Overtime	-	-	-	-	-	-
6201 T.M.R.S.	27,822	34,458	33,690	33,918	34,764	35,543
6205 F.I.C.A.	9,347	11,709	11,423	12,037	11,782	12,429
6210 Medicare	2,186	2,738	2,672	2,815	2,756	2,907
6214 Dental Insurance	643	809	1,505	1,978	1,761	1,978
6215 Hospitalization insurance	19,572	21,342	24,140	29,232	28,674	33,090
6220 Life Insurance	203	212	174	220	172	226
6221 Long Term Disability Insurance	410	162	280	388	383	401
6225 Workers Compensation	3,956	4,817	4,754	4,854	4,974	5,012
6230 Vacation leave	2,834	(820)	642	2,479	516	2,560
6235 Sick leave	2,373	1,262	487	2,727	(1,241)	2,817
6242 Auto Benefits	-	-	144	-	-	-
6243 Telephone Benefits	-	-	32	-	-	-
6260 Vacancy Savings	-	-	-	(13,979)	-	(10,024)
<i>O&amp;M PERSONNEL TOTAL</i>	225,975	269,366	269,943	270,816	283,504	287,410
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising	-	-	-	-	48	-
7105 Books & periodicals	792	271	594	600	371	400
7110 Dues & memberships	2,068	4,483	2,465	6,000	1,895	2,400
7115 Educational material	14,418	17,186	864	2,900	1,362	1,500
7120 Office supplies	1,444	1,982	2,579	2,700	1,328	1,500
7130 Postage/shipping charges	29	-	-	200	12	100
7135 Telephone expenses	-	-	-	1,250	-	-
7140 Training expenses	2,444	1,640	2,590	1,827	524	-
7145 Travel expenses	3,064	4,917	3,885	2,240	-	-
7147 Mileage Reimbursement (InTownExp)	-	19	34	150	-	50
7299 Other materials & supplies	274	250	161	500	155	200
7315 Food, meals, ice, water	1,164	1,377	1,615	4,000	794	1,000
7322 Recognition Program	240	228	5,137	600	555	600
7325 Rental of equip/storage/land	1,056	1,056	1,056	1,350	1,056	1,350
7415 Fuels & lubricants	-	-	-	200	-	-
7635 Software maintenance service fees	6,386	6,300	7,149	17,550	13,975	7,550
7699 Other services	42,752	113,345	87,762	90,000	58,164	70,000
7805 Computer equipment	56	111	-	3,200	-	-
7806 Software licenses-new	590	-	-	360	-	-
7820 Office furniture & equipment	-	-	410	500	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	76,778	153,166	116,301	136,127	80,240	86,650
	302,753	422,532	386,244	406,943	363,744	374,060





Department Responsibility: Cesar Cortinas, P.E.

Title: Acting Director of Transmission and Distribution

Telephone Ext: 6216

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 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 272,347	\$ 274,554	\$ 209,236	\$ 291,450	\$ 163,912	\$ 374,733
6110 Clerical staff	34,615	34,688	34,721	33,800	35,906	34,902
6130 Overtime	155	141	316	439	302	439
6201 T.M.R.S.	55,725	56,972	54,018	56,821	35,345	72,628
6205 F.I.C.A.	16,852	17,467	16,403	20,165	12,214	25,397
6210 Medicare	4,474	4,578	4,382	4,716	2,856	5,940
6214 Dental Insurance	804	814	1,320	1,777	1,376	2,587
6215 Hospitalization insurance	26,917	25,744	22,574	26,386	22,895	43,855
6220 Life Insurance	387	322	227	344	162	440
6221 Long Term Disability Insurance	808	259	332	651	362	819
6225 Workers Compensation	7,874	7,964	7,741	8,131	5,061	10,241
6230 Vacation leave	1,915	1,075	(2,676)	4,153	12,703	5,231
6235 Sick leave	1,290	3,921	(2,677)	4,568	(20,174)	5,755
6242 Auto Benefits	7,500	7,500	4,615	7,500	2,308	7,500
6243 Telephone Benefits	1,680	1,680	1,034	1,680	-	-
6260 Vacancy Savings	-	-	-	(22,212)	-	(20,482)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>433,345</i>	<i>437,681</i>	<i>351,567</i>	<i>440,369</i>	<i>275,227</i>	<i>569,986</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	303	-	-	300	206	300
7110 Dues & memberships	1,166	2,990	2,469	2,720	2,300	2,000
7120 Office supplies	897	1,164	587	1,150	621	600
7130 Postage/shipping charges	152	25	249	250	371	400
7140 Training expenses	939	1,695	1,028	462	-	1,200
7145 Travel expenses	5,996	6,170	3,609	3,872	1,889	1,500
7225 Safety supplies	210	15	266	300	20	150
7299 Other materials & supplies	194	192	168	165	53	100
7315 Food, meals, ice, water	649	288	529	200	229	300
7635 Software maintenance service fees	7,487	2,318	1,126	400	-	225
7699 Other services	-	-	-	150	175	150
7805 Computer equipment	42	-	572	200	-	200
7806 Software licenses-new	-	306	-	325	-	325
7820 Office furniture & equipment	-	500	418	500	-	150
7835 Tools, shop and garage equipment	-	-	431	450	-	200
7899 Other minor tools & equipment	485	-	-	500	-	200
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>18,520</i>	<i>15,662</i>	<i>11,452</i>	<i>11,944</i>	<i>5,865</i>	<i>8,000</i>
	<b>451,865</b>	<b>453,343</b>	<b>363,019</b>	<b>452,313</b>	<b>281,092</b>	<b>577,986</b>





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 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
7110 Dues & memberships	121,501	99,678	96,664	60,000	47,395	60,000
7120 Office supplies	90	172	257	2,750	-	1,000
7140 Training expenses	1,650	3,220	-	2,268	-	2,000
7145 Travel expenses	23,673	19,948	7,453	14,080	1,571	10,000
7299 Other materials & supplies	308	-	-	500	200	500
7315 Food, meals, ice, water	4,896	8,286	7,763	9,000	2,946	5,500
7320 Official functions	345	-	3,695	-	-	-
7601 Legal Fees	158,276	79,118	-	75,000	55,133	50,000
7699 Other services	-	-	-	-	800	-
7805 Computer equipment	-	-	-	1,000	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	310,738	210,423	115,832	164,598	108,045	129,000
	310,738	210,423	115,832	164,598	108,045	129,000





**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 in an efficient manner 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 administers the policies and procedures function.

### Department Goals/Objectives:

The objectives of the department are to assist other departments manage their records so that records are accessible, 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

Requests Submitted Related to the Public Information Act

Number of Policy or Procedure Documents Reviewed by Records Management

### OUTCOME MEASURES

Number of Public Information Requests requiring a Texas Attorney General Opinion

Number of Policy or Procedure Documents Reviewed by Records Management and Approved by the BPUB Board or Executive Management

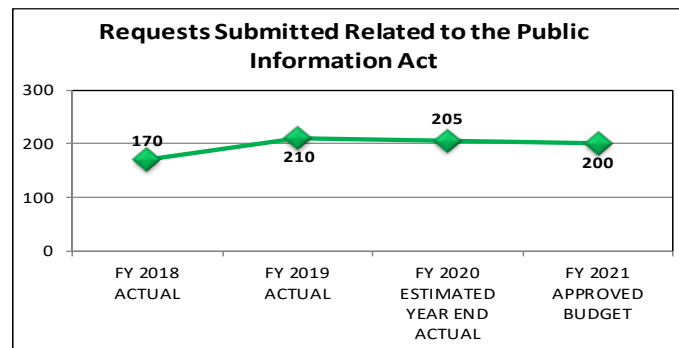
### EFFICIENCY MEASURES

Average time to respond to a public information request (within the law - 10 days)

Maintaining records management program

Maintaining policies and procedures program

FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
3	3	3	3
\$155,380	\$143,988	\$154,397	\$268,870
170	210	205	200
6	20	44	40
3	10	5	5
6	3	13	20
3 - 5 days	2 - 5 days	2 - 5 days	2 - 4 days
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes





## DEPARTMENT 1165 – RECORDS MANAGEMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
6101 Supervision	\$ 66,806	\$ 71,136	\$ 69,000	\$ 73,715	\$ 72,954	\$ 76,107
6105 Administrative Staff	3,394	44,965	44,651	46,322	47,045	47,819
6110 Clerical staff	40,574	43,417	42,531	43,805	44,829	45,219
6130 Overtime	962	47	203	790	-	522
6201 T.M.R.S.	19,731	28,538	29,071	28,623	29,697	29,990
6205 F.I.C.A.	6,489	9,400	9,195	10,158	9,682	10,487
6210 Medicare	1,518	2,198	2,150	2,376	2,263	2,453
6214 Dental Insurance	563	815	1,400	1,854	1,633	1,854
6215 Hospitalization insurance	19,441	25,010	24,822	29,232	28,352	33,090
6220 Life Insurance	146	180	151	190	145	195
6221 Long Term Disability Insurance	287	132	235	328	312	338
6225 Workers Compensation	2,787	3,989	3,910	4,096	4,114	4,229
6230 Vacation leave	2,223	(912)	1,449	2,092	(2,296)	2,160
6235 Sick leave	6,746	5,532	(3,001)	2,301	(2,399)	2,377
6260 Vacancy Savings	-	-	-	(12,035)	-	(8,457)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>171,665</b>	<b>234,448</b>	<b>225,769</b>	<b>233,846</b>	<b>236,332</b>	<b>248,381</b>
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising	-	1,348	-	1,500	-	500
7102 Sponsorships	-	-	-	-	3,500	-
7105 Books & periodicals	43	-	-	200	40	200
7110 Dues & memberships	795	1,214	774	1,000	873	1,000
7120 Office supplies	1,851	1,431	1,818	1,500	1,416	1,200
7130 Postage/shipping charges	143	173	155	200	78	200
7135 Telephone expenses	-	199	-	1,140	-	1,000
7140 Training expenses	2,401	4,988	3,378	3,045	-	3,225
7145 Travel expenses	1,178	6,701	6,598	5,696	4,646	-
7225 Safety supplies	55	13	78	100	18	100
7299 Other materials & supplies	461	394	218	500	21	500
7315 Food, meals, ice, water	1,054	824	1,680	1,500	279	500
7325 Rental of equip/storage/land	17,730	22,065	19,551	24,000	12,350	24,000
7415 Fuels & lubricants	241	264	334	500	277	500
7601 Legal Fees	24,028	14,408	23,615	20,000	16,379	20,000
7635 Software maintenance service fees	-	-	-	95,975	61,612	97,000
7645 Maintenance services	-	-	-	-	-	-
7699 Other services	121,720	95,275	85,789	185,000	15,404	100,000
7805 Computer equipment	45	45	-	6,000	37,502	7,670
7806 Software licenses-new	-	-	-	128,840	-	11,000
7820 Office furniture & equipment	2,756	6,040	-	400	-	275
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>174,502</b>	<b>155,380</b>	<b>143,988</b>	<b>477,096</b>	<b>154,397</b>	<b>268,870</b>
	<b>346,167</b>	<b>389,828</b>	<b>369,757</b>	<b>710,942</b>	<b>390,729</b>	<b>517,251</b>





Department Responsibility: **Miguel Collis**

Title: **Digital Information Platforms**

Telephone Ext: **6288**

Dept. No: **1170**

### PERFORMANCE MEASURES FOR THE DIGITAL INFORMATION PLATFORMS

#### Department Function:

The Digital Information Platforms department's functions are to manage the utility's various digital platforms including, but not limited to, social media, websites, newsletters, internal TV network and electronic forms.

#### Department Goals/Objectives:

The Digital information Platforms goals and objectives are to distribute content to maximize internal and external exposure to the organization's information, analyze trends and facilitate the flow of information through the use of electronic forms.

#### INPUT MEASURES

Employees  
Total O&M Expenses

#### OUTPUT MEASURES

Operational Reports (Social Media, Web and Intranet Analytics, ECRM Form Analytics)  
No. of Electronic Forms Converted  
No. of Digital Newsletters  
No. of Social Media Posts  
No. of Digital Billboards  
No. of Lobby Presentations (per BPUB TV)

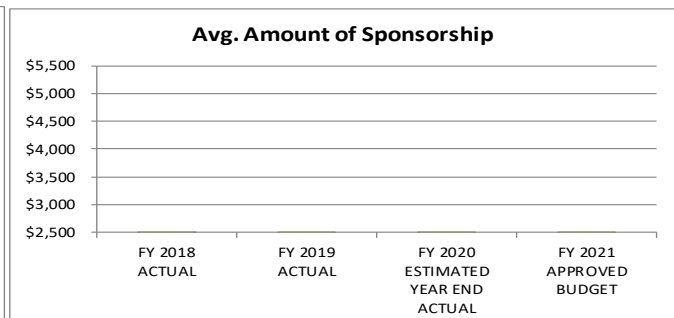
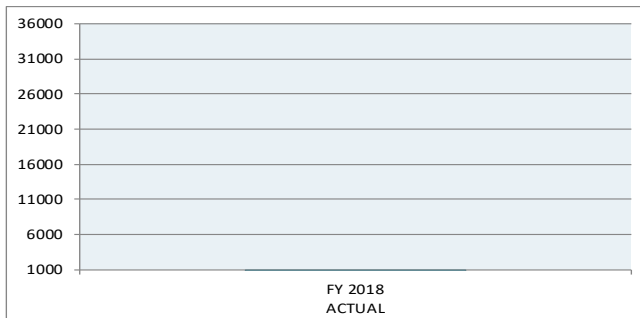
#### OUTCOME MEASURES

Information Campaigns Conducted  
No. of Newsletter Subscribers  
No. of Electronic Forms Processed  
Customer Online Engagement\* (Based on Social+Website Analytics)

#### EFFICIENCY MEASURES

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

FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
-	-	4	4
\$ -	\$ -	\$ -	\$ 150,998
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
\$ -	\$ -	\$ -	\$ -





## DEPARTMENT 1170 – DIGITAL INFORMATION PLATFORMS

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
6101 Supervision	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 66,518
6201 T.M.R.S.	-	-	-	-	-	11,794
6205 F.I.C.A.	-	-	-	-	-	4,124
6210 Medicare	-	-	-	-	-	965
6214 Dental Insurance	-	-	-	-	-	810
6215 Hospitalization insurance	-	-	-	-	-	14,071
6220 Life Insurance	-	-	-	-	-	75
6221 Long Term Disability Insurance	-	-	-	-	-	133
6225 Workers Compensation	-	-	-	-	-	1,663
6230 Vacation leave	-	-	-	-	-	849
6235 Sick leave	-	-	-	-	-	935
6260 Vacancy Savings	-	-	-	-	-	(3,326)
<i>O&amp;M PERSONNEL TOTAL</i>	-	-	-	-	-	98,610
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising	-	-	-	-	-	10,000
7110 Dues & memberships	-	-	-	-	-	2,200
7120 Office supplies	-	-	-	-	-	2,000
7135 Telephone expenses	-	-	-	-	-	100
7140 Training expenses	-	-	-	-	-	4,500
7145 Travel expenses	-	-	-	-	-	-
7699 Other services	-	-	-	-	-	27,000
7805 Computer equipment	-	-	-	-	-	3,938
7806 Software licenses-new	-	-	-	-	-	2,650
<i>O&amp;M NON-PERSONNEL TOTAL</i>	-	-	-	-	-	52,388
	-	-	-	-	-	150,998





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

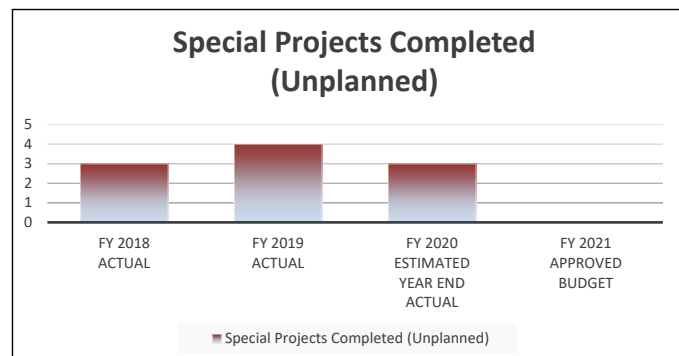
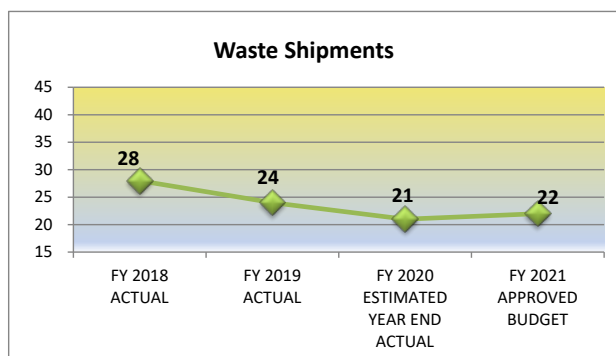
## **OUTCOME MEASURES**

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 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
5	6	6	7
\$1,036,847	\$1,164,494	\$ 1,178,659	\$ 1,272,423
108	120	120	120
12	12	12	12
2	2	2	5
5	5	5	5
28	24	21	22
100%	100%	100%	100%
3/3	2/2	0/0	0/0
527,647	443,109	434,124	438,617
\$ -	\$ -	\$ -	\$ -
3	4	3	0
100%	100%	100%	100%





## DEPARTMENT 1410 - ENVIRONMENTAL SERVICES

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 128,693	\$ 136,136	\$ 136,660	\$ 136,136	\$ 141,494	\$ 140,566
6105 Administrative Staff	159,614	159,973	182,210	215,634	224,113	222,643
6110 Clerical staff	39,731	39,703	39,799	39,250	41,200	40,518
6130 Overtime	1,879	944	796	2,264	356	1,169
6201 T.M.R.S.	59,252	61,866	65,351	68,311	72,748	71,581
6205 F.I.C.A.	18,957	19,394	20,432	24,243	23,288	25,031
6210 Medicare	4,543	4,684	4,960	5,670	5,572	5,854
6214 Dental Insurance	1,336	1,357	3,400	4,857	4,392	4,857
6215 Hospitalization insurance	51,619	52,813	59,292	74,135	74,257	84,425
6220 Life Insurance	429	367	326	443	349	456
6221 Long Term Disability Insurance	865	283	515	782	737	807
6225 Workers Compensation	8,371	8,648	9,225	9,775	10,410	10,093
6230 Vacation leave	2,354	2,186	6,825	4,992	14,339	5,156
6235 Sick leave	8,753	3,617	1,546	5,492	(21,126)	5,672
6242 Auto Benefits	7,500	7,500	7,789	7,500	7,500	7,500
6243 Telephone Benefits	1,680	1,680	1,745	1,680	1,680	1,680
6260 Vacancy Savings	-	-	-	(28,962)	-	(20,186)
<i>O&amp;M PERSONNEL TOTAL</i>	495,577	501,150	540,870	572,203	601,310	607,823
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising	1,275	-	-	800	-	300
7105 Books & periodicals	92	241	-	300	-	100
7110 Dues & memberships	1,974	3,775	3,580	3,000	4,650	4,000
7120 Office supplies	1,077	1,247	1,043	800	743	800
7130 Postage/shipping charges	1,984	1,912	1,856	1,500	1,980	1,800
7140 Training expenses	4,705	3,004	3,630	2,625	1,210	2,500
7145 Travel expenses	11,265	7,252	6,793	9,536	1,724	7,000
7147 Mileage Reimbursement (InTownExp)	-	-	-	100	-	100
7293 Chemicals - other	21,599	21,884	25,985	23,000	24,617	23,000
7299 Other materials & supplies	1,822	4,962	539	1,500	3,193	1,500
7310 Federal, state, & local fees	450,239	395,900	431,601	430,000	404,528	468,000
7315 Food, meals, ice, water	1,453	384	151	500	110	500
7325 Rental of equip/storage/land	9,157	9,311	8,674	12,000	6,769	9,000
7335 Wearing apparel & dry goods	653	757	996	600	294	600
7415 Fuels & lubricants	2,686	1,696	1,142	1,200	707	1,200
7601 Legal Fees	-	1,218	(0)	5,000	31,819	3,000
7620 Environmental consulting fees	2,145	-	1,410	15,000	-	7,500
7699 Other services	174,531	68,604	133,698	230,000	92,613	130,000
7805 Computer equipment	299	-	-	300	912	500
7820 Office furniture & equipment	1,196	13,550	2,256	752	880	3,000
7899 Other minor tools & equipment	-	-	271	200	600	200
<i>O&amp;M NON-PERSONNEL TOTAL</i>	688,151	535,697	623,624	738,713	577,349	664,600
	1,183,728	1,036,847	1,164,494	1,310,916	1,178,659	1,272,423





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

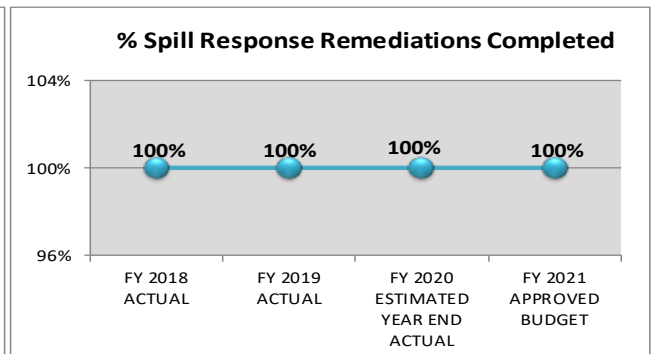
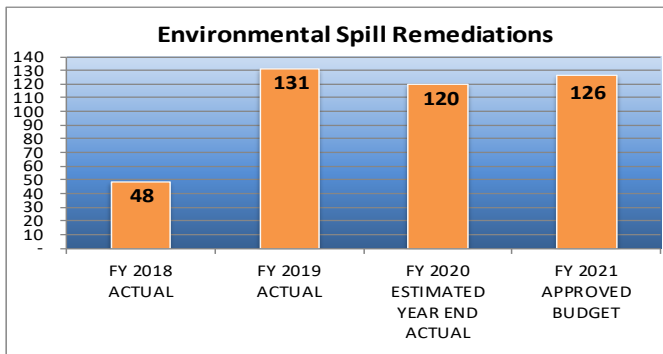
Unit 9 CEMS % Availability

Unit 10 CEMS % Availability

**EFFICIENCY MEASURES**

EPA & TCEQ Fines Levied

FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
6	6	6	7
\$ 885,039	\$ 866,583	\$ 977,410	\$ 984,008
336	336	393	393
6	8	9	7
48	131	120	126
48	131	120	126
1	3	7	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 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 80,979	\$ 81,162	\$ 81,474	\$ 81,162	\$ 84,356	\$ 83,803
6105 Administrative Staff	254,716	267,194	239,158	204,714	276,681	203,237
6115 Operational staff	41,637	39,796	43,530	102,378	45,437	105,706
6130 Overtime	4,715	767	1,462	3,062	3,253	2,023
6201 T.M.R.S.	67,487	69,556	64,787	67,828	77,795	69,634
6205 F.I.C.A.	22,690	23,171	21,794	24,072	26,728	24,350
6210 Medicare	5,306	5,419	5,097	5,630	6,251	5,695
6214 Dental Insurance	1,598	1,628	2,644	3,430	3,272	3,430
6215 Hospitalization insurance	55,513	56,684	53,942	60,959	63,659	69,088
6220 Life Insurance	491	425	337	437	348	442
6221 Long Term Disability Insurance	986	323	532	777	775	785
6225 Workers Compensation	9,535	9,723	9,141	9,706	11,136	9,819
6230 Vacation leave	4,655	1,503	(5,914)	4,957	21,392	5,015
6235 Sick leave	8,456	(413)	(22,829)	5,453	37,026	5,518
6260 Vacancy Savings	-	-	-	(28,055)	-	(19,637)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>558,765</i>	<i>556,937</i>	<i>495,155</i>	<i>546,507</i>	<i>658,110</i>	<i>568,908</i>
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising	4,594	-	2,747	5,000	12,948	5,000
7105 Books & periodicals	672	300	-	250	88	250
7110 Dues & memberships	756	1,067	728	1,300	929	1,000
7120 Office supplies	2,625	840	2,310	1,600	1,873	1,000
7130 Postage/shipping charges	762	741	974	1,000	1,330	1,000
7135 Telephone expenses	-	100	-	100	-	-
7140 Training expenses	3,265	1,358	1,493	4,473	2,287	5,000
7145 Travel expenses	10,743	5,588	4,273	10,304	9,410	6,000
7147 Mileage Reimbursement (InTownExp)	-	-	-	100	-	100
7225 Safety supplies	-	-	65	-	-	-
7293 Chemicals - other	-	-	-	750	-	750
7299 Other materials & supplies	24,810	11,172	9,745	14,000	14,943	14,000
7310 Federal, state, & local fees	20,860	21,625	22,674	25,000	20,486	25,000
7315 Food, meals, ice, water	687	128	75	750	81	750
7325 Rental of equip/storage/land	3,338	4,369	4,516	6,000	6,611	6,000
7335 Wearing apparel & dry goods	2,700	4,137	2,718	3,000	-	3,000
7415 Fuels & lubricants	956	1,889	2,415	2,000	1,252	2,000
7599 Maintenance / other	3,663	30,985	27,623	24,000	42,395	30,000
7620 Environmental consulting fees	57,461	89,836	26,455	85,000	64,597	85,000
7635 Software maintenance service fees	17,000	17,850	17,850	18,000	-	18,000
7645 Maintenance services	-	24,750	33,000	25,000	20,695	33,600
7699 Other services	244,483	106,431	210,478	210,000	118,722	175,000
7820 Office furniture & equipment	550	4,937	1,140	902	208	1,900
7835 Tools, shop and garage equipment	-	-	-	250	-	250
7899 Other minor tools & equipment	-	-	149	1,000	445	500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>399,924</i>	<i>328,102</i>	<i>371,428</i>	<i>439,779</i>	<i>319,300</i>	<i>415,100</i>
	<b>958,689</b>	<b>885,039</b>	<b>866,583</b>	<b>986,286</b>	<b>977,410</b>	<b>984,008</b>





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

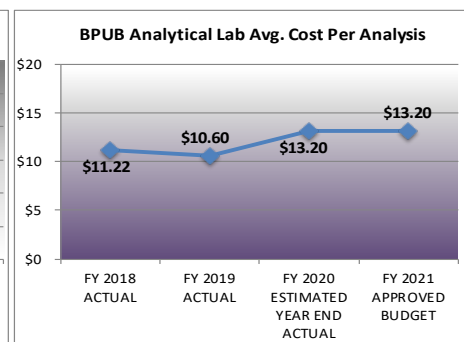
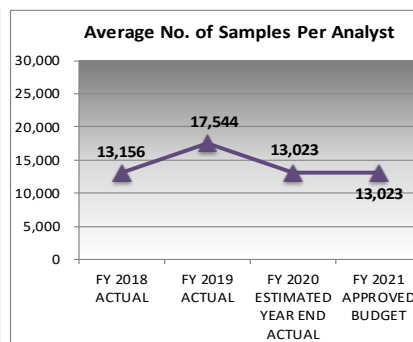
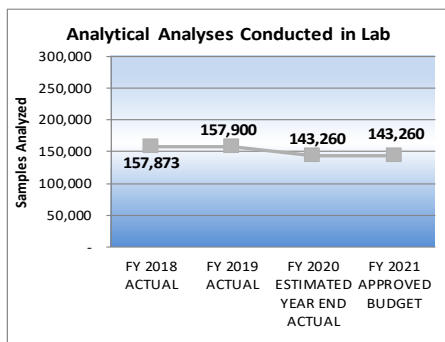
## **OUTCOME MEASURES**

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 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
16	16	16	16
\$ 1,128,380	\$ 1,075,132	\$ 1,111,857	\$ 1,156,750
\$ 643,531	\$ 599,296	\$ 573,822	\$ 673,350
\$ 1,771,911	\$ 1,674,428	\$ 1,685,679	\$ 1,830,100
12	12	12	12
96	96	108	108
27	27	27	27
52	52	52	52
10,270	10,270	10,220	10,220
157,873	157,900	143,260	143,260
YES	YES	YES	YES
YES	YES	YES	YES
100%	100%	100%	100%
YES/YES/YES	YES/YES/YES	YES/YES/YES	YES/YES/YES
YES/YES	YES/YES	YES/YES	YES/YES
\$ 11.22	\$ 10.60	\$ 13.20	\$ 13.20
13,156	17,544	13,023	13,023





## DEPARTMENT 1422 - ANALYTICAL LABORATORY

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 135,424	\$ 137,695	\$ 119,990	\$ 154,232	\$ 160,296	\$ 159,245
6105 Administrative Staff	110,514	199,615	241,811	240,885	250,348	248,706
6110 Clerical staff	34,393	34,449	35,389	34,195	18,519	30,680
6115 Operational staff	340,464	318,653	271,496	280,176	299,163	289,266
6130 Overtime	62,051	73,141	39,718	52,597	30,288	51,371
6201 T.M.R.S.	119,400	137,783	136,257	123,948	135,382	129,056
6205 F.I.C.A.	40,085	45,791	45,673	43,988	45,525	45,130
6210 Medicare	9,375	10,709	10,682	10,288	10,647	10,555
6214 Dental Insurance	3,511	4,125	7,302	9,973	8,660	9,973
6215 Hospitalization insurance	105,614	127,458	128,036	155,671	151,214	179,122
6220 Life Insurance	820	777	648	848	665	866
6221 Long Term Disability Insurance	1,603	558	979	1,419	1,369	1,456
6225 Workers Compensation	16,907	19,138	19,221	17,737	19,372	18,197
6230 Vacation leave	5,103	10,641	4,527	9,059	13,757	9,295
6235 Sick leave	19,274	7,847	13,403	9,965	(33,349)	10,227
6260 Vacancy Savings	-	-	-	(47,453)	-	(36,395)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>1,004,538</u>	<u>1,128,380</u>	<u>1,075,132</u>	<u>1,097,527</u>	<u>1,111,857</u>	<u>1,156,750</u>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	1,200	1,634	1,200
7110 Dues & memberships	2,517	2,970	2,930	2,475	1,992	2,600
7120 Office supplies	5,353	6,857	5,487	6,000	5,213	6,000
7130 Postage/shipping charges	7,061	3,430	2,729	3,700	5,213	3,700
7140 Training expenses	4,600	8,156	5,856	4,368	3,572	6,000
7145 Travel expenses	7,232	9,941	9,926	7,136	1,513	4,000
7180 Utilities - departmental	45,982	49,627	51,853	50,000	51,512	50,000
7205 Lamps, globes & flares	-	-	-	-	-	-
7215 Laundry & janitorial supplies	-	-	-	-	-	-
7225 Safety supplies	592	875	233	4,000	11,254	4,000
7293 Chemicals - other	97,183	112,783	89,446	108,400	91,620	108,100
7299 Other materials & supplies	29,330	56,751	29,499	33,500	74,550	83,500
7310 Federal, state, & local fees	3,050	3,050	3,050	3,525	3,300	5,000
7315 Food, meals, ice, water	952	467	377	1,000	385	750
7325 Rental of equip/storage/land	19,868	21,125	21,387	24,200	24,753	24,200
7335 Wearing apparel & dry goods	5,312	5,139	6,120	4,600	1,262	5,000
7415 Fuels & lubricants	3,601	4,779	5,958	6,000	4,581	6,000
7501 Maint. of buildings & structures	31,692	5,372	17,133	153,200	62,611	50,000
7645 Maintenance services	153,618	186,091	152,743	168,400	84,761	125,000
7699 Other services	153,664	117,409	118,246	150,000	84,276	120,000
7801 Communication equipment	-	250	759	-	-	-
7805 Computer equipment	-	2,473	800	3,744	852	6,000
7806 Software licenses-new	639	-	-	1,997	4,017	8,000
7810 Laboratory equipment	55,680	45,986	73,597	50,000	45,317	50,000
7820 Office furniture & equipment	3,562	-	1,169	1,178	9,636	1,300
7899 Other minor tools & equipment	379	-	-	5,000	-	3,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>631,866</u>	<u>643,531</u>	<u>599,296</u>	<u>793,623</u>	<u>573,822</u>	<u>673,350</u>
	<b>1,636,404</b>	<b>1,771,911</b>	<b>1,674,428</b>	<b>1,891,150</b>	<b>1,685,679</b>	<b>1,830,100</b>





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

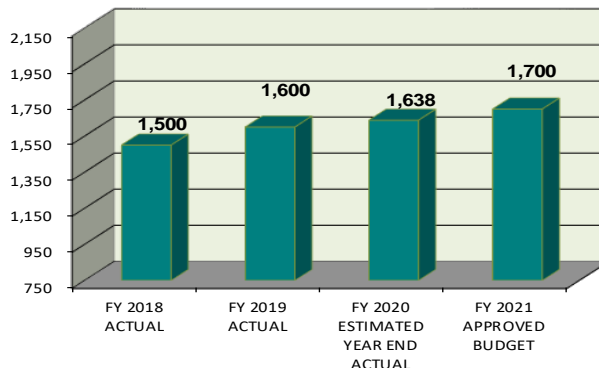
Number of Compliance Inspections for SIU's  
Number of Compliance Sampling Events for SIU's  
Number of Active Permits  
Number of Surcharge Sampling Events  
Number of Commercial User Inspections

#### EFFICIENCY MEASURES

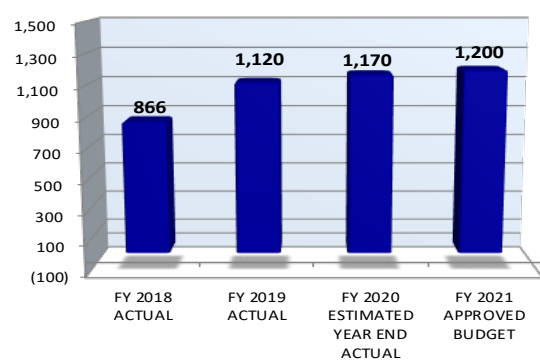
EPA & TCEQ Audits & Inspections Violations  
Cost Recovery  
Surcharges

FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
8	7	7	7
\$ 601,065	\$ 629,044	\$ 559,400	\$ 614,035
12	12	12	12
10	10	10	10
5	5	5	5
1,500	1,600	1,638	1,700
1	1	1	1
10	10	10	10
20	20	20	20
10	10	10	10
36	36	36	36
866	1,120	1,170	1,200
0/0/0	0/1/0	0/0/0	0/1/0
\$ 36,302	\$39,677	\$ 34,001	\$ 39,514
\$ 103,104	\$95,123	\$ 79,054	\$ 90,743

Number of Commercial Users



Number of Commercial User Inspections





## DEPARTMENT 1430 – PRE-TREATMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 82,330	\$ 83,699	\$ 80,328	\$ 79,706	\$ 82,849	\$ 82,306
6105 Administrative Staff	137,477	153,978	135,333	100,693	61,855	116,085
6110 Clerical staff	31,243	32,423	32,466	32,094	34,840	34,798
6115 Operational staff	113,203	98,703	113,385	114,317	120,885	118,019
6130 Overtime	6,683	3,419	9,168	8,447	7,607	8,816
6201 T.M.R.S.	66,225	66,562	65,660	57,094	53,823	62,269
6205 F.I.C.A.	21,980	21,820	21,922	20,262	18,287	21,775
6210 Medicare	5,140	5,103	5,127	4,739	4,277	5,093
6214 Dental Insurance	2,068	2,138	3,458	3,914	3,077	3,914
6215 Hospitalization insurance	63,015	63,007	59,702	60,139	52,568	67,822
6220 Life Insurance	486	435	354	387	274	412
6221 Long Term Disability Insurance	943	318	532	654	570	702
6225 Workers Compensation	9,386	9,558	9,320	8,170	7,701	8,780
6230 Vacation leave	1,068	(3,527)	2,769	4,173	13,937	4,485
6235 Sick leave	(26,466)	(3,791)	19,079	4,590	2,656	4,934
6240 Educational assistance	-	-	-	-	-	-
6260 Vacancy Savings	-	-	-	(24,108)	-	(17,560)
<i>O&amp;M PERSONNEL TOTAL</i>	514,781	533,846	558,604	475,269	465,207	522,650
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	397	-	335	-	335
7110 Dues & memberships	642	548	463	1,500	416	700
7120 Office supplies	2,986	1,561	2,854	3,000	3,093	2,500
7130 Postage/shipping charges	104	79	129	250	905	250
7140 Training expenses	4,102	3,263	3,560	2,583	1,935	4,000
7145 Travel expenses	6,147	7,758	4,948	4,224	1,090	3,500
7147 Mileage Reimbursement (InTownExp)	-	-	-	200	-	100
7215 Laundry & janitorial supplies	140	162	130	500	320	500
7225 Safety supplies	559	1,064	1,623	1,000	4,399	1,500
7293 Chemicals - other	1,718	782	1,173	2,000	1,886	2,000
7299 Other materials & supplies	5,266	3,262	5,007	6,000	7,993	7,000
7315 Food, meals, ice, water	865	119	301	500	233	500
7325 Rental of equip/storage/land	3,321	3,759	3,914	6,000	4,955	5,000
7335 Wearing apparel & dry goods	4,925	5,706	4,091	4,500	1,800	4,500
7415 Fuels & lubricants	3,258	4,431	5,148	5,500	4,321	6,000
7501 Maint. of buildings & structures	517	3,400	8,795	20,408	27,711	10,000
7635 Software maintenance service fees	2,892	1,600	1,645	3,000	1,695	2,500
7645 Maintenance services	8,856	5,606	4,076	9,500	8,196	10,000
7699 Other services	29,300	23,215	19,969	30,000	19,351	25,000
7810 Laboratory equipment	-	-	1,775	1,000	447	2,500
7820 Office furniture & equipment	1,041	507	838	5,500	3,449	3,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	76,637	67,219	70,440	107,500	94,193	91,385
	591,418	601,065	629,044	582,769	559,400	614,035





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)

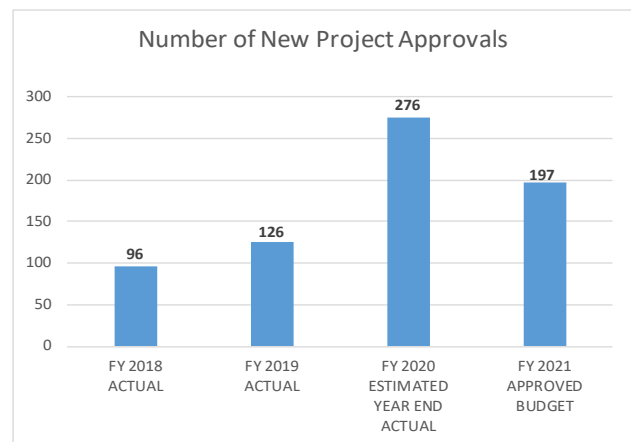
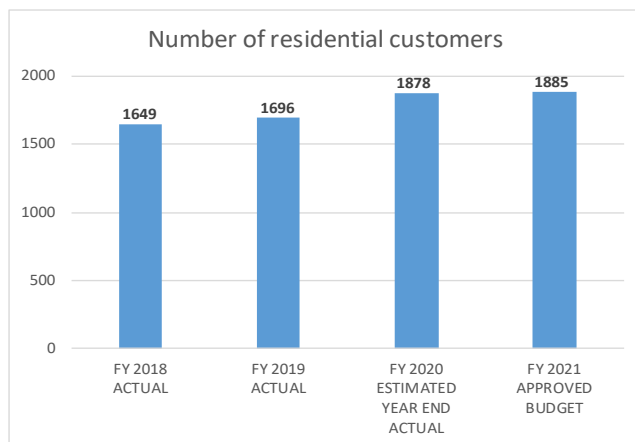
Number of New Project Approvals

Number of Customer Service Inspections(CSI)

**EFFICIENCY MEASURES**

EPA & TCEQ Audits & Inspections Violations

FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
3	3	3	3
\$ 225,212	\$ 259,090	\$ 488,168	\$ 522,177
3,247	3,343	3,595	3,715
4,689	5,504	5,907	6,610
1,512	1,554	1,618	1,727
1,649	1,696	1,878	1,885
86	93	97	103
2,531	1,772	2,240	1,164
96	126	276	197
0	90	3051	4,000
0/1/0	0/0/0	0/0/0	0/1/0





## DEPARTMENT 1435 – CROSS CONNECTION CONTROL

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6105 Administrative Staff	\$ 50,002	\$ 54,787	\$ 54,998	\$ 32,872	\$ 56,949	\$ 33,946
6115 Operational staff	50,676	72,337	72,999	72,363	77,127	74,714
6130 Overtime	800	1,983	2,340	5,157	10,245	16,164
6201 T.M.R.S.	17,901	23,090	23,087	18,385	25,211	19,265
6205 F.I.C.A.	5,986	7,562	7,528	6,525	8,226	6,737
6210 Medicare	1,400	1,768	1,761	1,526	1,924	1,576
6214 Dental Insurance	674	814	1,415	1,453	1,708	1,655
6215 Hospitalization insurance	20,747	25,483	27,671	26,784	33,339	33,675
6220 Life Insurance	151	148	126	128	123	131
6221 Long Term Disability Insurance	291	107	190	210	253	217
6225 Workers Compensation	2,760	3,228	3,258	2,631	3,608	2,716
6230 Vacation leave	4,781	141	2,312	1,344	2,860	1,388
6235 Sick leave	28,167	3,075	2,479	1,478	(8,390)	1,527
6260 Vacancy Savings	-	-	-	(8,144)	-	(5,433)
<i>O&amp;M PERSONNEL TOTAL</i>	184,336	194,523	200,164	162,712	213,184	188,277
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	208	420	-	250	146	250
7110 Dues & memberships	251	342	479	750	336	1,000
7120 Office supplies	1,983	1,452	795	3,000	2,323	2,200
7130 Postage/shipping charges	-	29	50	250	66	250
7140 Training expenses	-	5,362	2,826	1,512	870	3,500
7145 Travel expenses	-	4,871	2,521	2,400	391	2,800
7147 Mileage Reimbursement (InTownExp)	-	-	-	150	-	150
7215 Laundry & janitorial supplies	144	105	104	500	23	500
7225 Safety supplies	387	308	-	550	1,306	550
7293 Chemicals - other	-	-	-	500	-	500
7299 Other materials & supplies	5,501	7,966	8,429	11,000	7,153	10,000
7315 Food, meals, ice, water	72	38	38	500	41	500
7325 Rental of equip/storage/land	2,741	1,658	1,919	-	321	-
7335 Wearing apparel & dry goods	-	-	1,527	4,000	577	2,500
7415 Fuels & lubricants	-	-	-	2,000	-	1,000
7635 Software maintenance service fees	3,600	5,375	-	5,000	-	3,000
7645 Maintenance services	3,015	2,150	3,814	5,500	-	4,000
7699 Other services	10,360	-	35,874	550,000	260,056	300,000
7820 Office furniture & equipment	400	613	550	3,200	1,376	1,200
<i>O&amp;M NON-PERSONNEL TOTAL</i>	28,661	30,689	58,926	591,062	274,984	333,900
	212,997	225,212	259,090	753,774	488,168	522,177





Department Responsibility: Eduardo Martinez

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

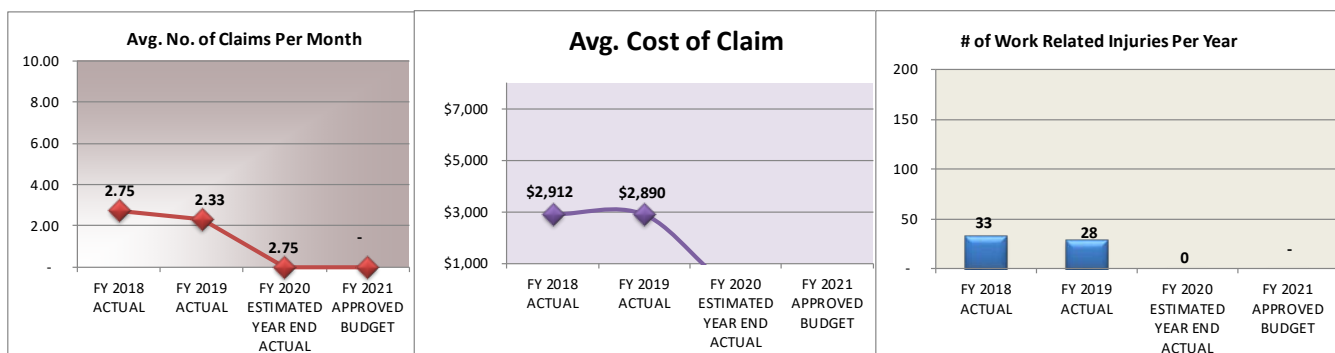
Lost Time Accident/Incident Rate

Cost of Training Hour

Cost per Employee Attendee

FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
6	6	5	
\$ 1,567,201	\$ 1,351,340	\$ 827,400	\$ 818,112
12	12	No/ See E. Solorzano	NA
12	12	No/ See E. Solorzano	NA
12	24	12	12
750	750	750	750
102	112	102	110
Yes	Yes	No/ See E. Solorzano	NA
Yes	Yes	No/ See E. Solorzano	NA
100%	100%	No/ See E. Solorzano	NA
1,556	1,070	438	1,500
4,158	3,700	3,700	4,158
2.75	2.33	No/ See E. Solorzano	NA
\$ 2,912	\$ 2,890	No/ See E. Solorzano	NA
33	28	No/ See E. Solorzano	NA
2.04	2	No/ See E. Solorzano	NA
24.80	19.46	20.00	25.00
*84.35	67.28	70.00	85.00

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





## DEPARTMENT 1440 – HEALTH & SAFETY

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 96,700	\$ 100,942	80,053	\$ 53,622	\$ 130,963	\$ 133,349
6105 Administrative Staff	220,097	227,675	190,058	175,011	113,561	53,123
6110 Clerical staff	27,068	28,282	28,898	27,768	29,806	30,098
6130 Overtime	174	127	58	901	9	1,034
6201 T.M.R.S.	60,742	64,115	54,619	44,793	50,660	38,398
6205 F.I.C.A.	20,461	21,269	18,148	15,897	17,245	13,427
6206 Suta	9,963	-	-	-	-	-
6210 Medicare	4,785	4,974	4,244	3,718	4,033	3,140
6214 Dental Insurance	1,619	1,628	2,579	2,745	2,604	1,935
6215 Hospitalization insurance	49,687	50,004	46,305	43,262	45,436	34,733
6220 Life Insurance	458	395	285	297	238	248
6221 Long Term Disability Insurance	910	298	416	513	515	433
6225 Workers Compensation	8,582	8,963	7,713	6,410	7,248	5,414
6230 Vacation leave	7,606	1,433	2,550	3,274	8,485	2,766
6235 Sick leave	11,872	11,582	12,291	3,601	(25,747)	3,043
6260 Vacancy Savings	-	-	-	(23,314)	-	(10,828)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>520,725</i>	<i>521,688</i>	<i>448,217</i>	<i>358,499</i>	<i>385,055</i>	<i>310,312</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	17,819	1,334	123	2,920	235	3,000
7110 Dues & memberships	1,733	2,351	1,461	2,250	6,195	2,400
7115 Educational material	30,990	1,192	15,505	14,850	-	3,000
7120 Office supplies	6,122	4,596	2,966	5,000	1,873	1,500
7125 Photo equipment/supplies	-	160	-	950	-	500
7130 Postage/shipping charges	33	465	76	600	72	300
7135 Telephone expenses	7,984	4,540	4,201	8,400	4,199	6,000
7140 Training expenses	304	2,325	595	9,786	-	6,000
7145 Travel expenses	1,426	6,849	680	13,792	-	-
7220 Medical supplies	-	176	306	2,000	-	1,000
7225 Safety supplies	6,272	43	343	5,000	42,160	2,500
7280 Chemicals - activated carbon	-	-	-	-	-	-
7299 Other materials & supplies	36,123	16,481	17,868	17,700	19,028	20,000
7315 Food, meals, ice, water	1,667	3,481	979	3,500	296	2,500
7320 Official functions	-	265	4,709	-	-	-
7322 Recognition Program	31,993	29,238	29,697	30,000	31,633	20,000
7325 Rental of equip/storage/land	3,409	520	3,592	6,100	4,156	5,100
7415 Fuels & lubricants	2,679	3,775	4,011	4,000	2,949	4,000
7635 Software maintenance service fees	14,532	31,602	26,282	43,500	29,544	35,000
7645 Maintenance services	25,056	44,869	20,304	38,700	36,851	40,000
7650 Security services	507,264	553,851	626,157	-	178,702	-
7699 Other services	114,315	316,042	137,726	331,000	81,588	331,000
7801 Communication equipment	-	-	-	-	-	-
7805 Computer equipment	-	-	-	4,600	873	6,000
7806 Software licenses-new	4,654	2,001	-	45,000	1,990	10,000
7820 Office furniture & equipment	814	5,544	310	-	-	-
7899 Other minor tools & equipment	51,267	13,813	5,232	15,000	-	8,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>866,456</i>	<i>1,045,513</i>	<i>903,123</i>	<i>604,648</i>	<i>442,345</i>	<i>507,800</i>
	<b>1,387,181</b>	<b>1,567,201</b>	<b>1,351,340</b>	<b>963,147</b>	<b>827,400</b>	<b>818,112</b>





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

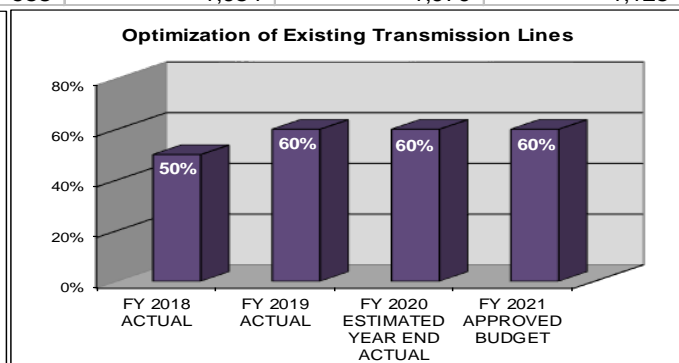
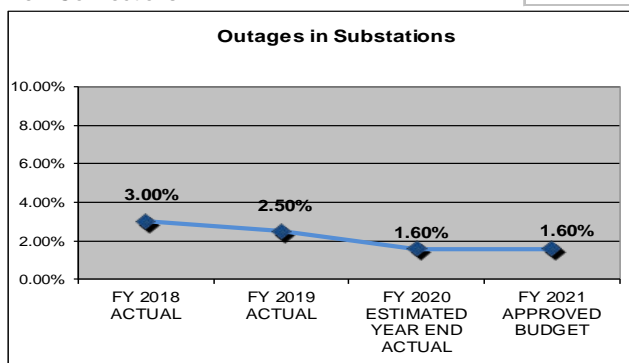
#### OUTCOME MEASURES

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 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
24	23	23	
\$ 1,905,214	\$ 1,958,950	\$ 2,212,968	\$ 1,981,515
14	14	15	15
672	672	690	690
6	10	10	10
8	12	7	10
16	24	50	50
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
3.00%	2.50%	1.60%	1.60%
50%	60%	60%	60%
0%	0%	0%	0%
100%	100%	100%	100%
958	1,054	1,070	1,125





## DEPARTMENT 2120 – SUBSTATIONS AND RELAYING

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 110,085	\$ 111,821	\$ 112,251	\$ 111,821	\$ 125,821	\$ 115,461
6110 Clerical staff	33,932	34,401	33,272	33,862	24,898	30,181
6115 Operational staff	916,269	880,349	856,584	882,658	941,022	896,470
6130 Overtime	33,287	58,942	66,493	57,662	111,716	84,042
6140 Severance Pay	-	4,556	-	-	-	-
6201 T.M.R.S.	193,125	192,884	228,583	179,651	230,270	184,766
6205 F.I.C.A.	65,070	64,083	63,664	63,757	74,440	64,611
6206 Suta	1,437	-	-	-	2,691	-
6210 Medicare	15,218	14,987	14,889	14,911	17,409	15,111
6214 Dental Insurance	5,404	5,099	9,282	12,368	10,663	11,585
6215 Hospitalization insurance	164,390	158,528	158,240	187,628	180,214	204,096
6220 Life Insurance	1,350	1,117	909	1,203	927	1,211
6221 Long Term Disability Insurance	2,651	872	1,462	2,057	2,007	2,084
6225 Workers Compensation	27,292	27,075	26,834	25,709	31,188	26,053
6230 Vacation leave	22,083	(1,136)	5,608	13,130	25,053	13,308
6235 Sick leave	29,059	5,502	1,261	14,443	(22,150)	14,642
6250 Miscellaneous personnel benefits	-	-	495	-	-	-
6260 Vacancy Savings	-	-	-	(75,781)	-	(52,106)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>1,620,651</i>	<i>1,559,080</i>	<i>1,579,828</i>	<i>1,525,080</i>	<i>1,756,170</i>	<i>1,611,515</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	250	-	100
7110 Dues & memberships	337	487	354	500	434	500
7120 Office supplies	783	695	2,656	3,500	380	1,000
7130 Postage/shipping charges	995	1,051	331	750	405	650
7140 Training expenses	1,070	99	3,520	6,783	-	5,000
7145 Travel expenses	8,965	2,688	2,360	7,552	114	5,000
7180 Utilities - departmental	138,522	123,237	117,803	100,000	133,862	100,000
7190 Utilities - CP&L & Mvec	-	-	-	250	-	-
7203 Sand, Caliche, Gravel, Concrete etc	-	-	-	500	-	500
7215 Laundry & janitorial supplies	225	-	159	500	55	250
7225 Safety supplies	3,823	1,137	6,153	7,500	7,134	6,000
7293 Chemicals - other	3,880	4,375	1,276	3,000	11,942	10,000
7299 Other materials & supplies	10,638	25,115	46,490	35,000	94,324	58,000
7315 Food, meals, ice, water	233	275	312	500	324	500
7325 Rental of equip/storage/land	23,630	5,253	9,634	26,000	7,289	10,000
7335 Wearing apparel & dry goods	29,661	45,196	29,979	22,000	11,295	10,000
7415 Fuels & lubricants	14,963	17,035	20,590	17,000	18,627	17,000
7501 Maint. of buildings & structures	3,955	9,240	5,564	20,000	5,460	5,000
7505 Maint. of communication equipment	1,682	-	106	3,000	234	1,000
7540 Maint. of line transformers	35,814	54,186	48,465	65,000	57,187	50,000
7550 Maint. of overhead lines	-	-	0	-	4,236	-
7555 Maint. of station equipment	42,235	20,195	24,624	35,000	28,009	30,000
7570 Maint. of underground lines	-	6,095	23,558	-	6,353	-
7599 Maintenance / other	-	-	1,051	-	250	-
7645 Maintenance services	32,484	7,250	-	25,000	10,380	15,000
7699 Other services	12,162	2,912	6,379	15,000	17,026	15,000
7805 Computer equipment	187	513	-	5,000	6,357	2,500
7806 Software licenses-new	-	6,250	2,000	7,000	6,400	2,500
7820 Office furniture & equipment	238	240	378	1,500	585	500
7835 Tools, shop and garage equipment	3,447	6,988	15,473	10,000	14,296	12,000
7899 Other minor tools & equipment	25,877	5,619	9,909	10,000	13,837	12,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>395,804</i>	<i>346,134</i>	<i>379,122</i>	<i>428,085</i>	<i>456,798</i>	<i>370,000</i>
	<b>2,016,455</b>	<b>1,905,214</b>	<b>1,958,950</b>	<b>1,953,165</b>	<b>2,212,968</b>	<b>1,981,515</b>





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:**

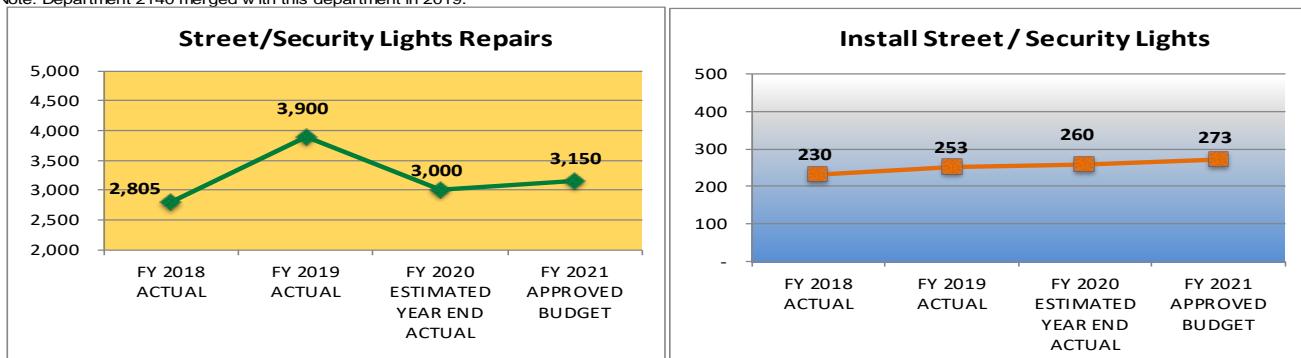
Responsible for the operation, construction and maintenance of the electrical system in order to provide safe, timely, and reliable service. Also responsible for the transmission and distribution of electric power from the internal and external power sources to the customer.

**Department Goals/Objectives:**

Provide the best reliable and efficient power in the safest manner to our customers.

	FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
<b>INPUT MEASURES</b>				
Staff	28	50	50	51
O&M Expenses	\$ 1,502,979	\$ 3,450,567	\$ 4,128,131	\$ 3,394,563
<b>OUTPUT MEASURES</b>				
Street/Security Lights Repairs	2,805	3,900	3,000	3,150
Miles of Line Washed	60	60	55	58
Set/Replace Transformers	130	471	500	525
Set/Replace Poles	110	438	400	420
Locate/Repair Underground Residential Distribution Faults	121	275	245	257
Work orders Completed	315	392	250	263
General Service Request Closed	5,445	11,000	11,000	11,550
<b>EFFICIENCY MEASURES</b>				
Install Street / Security Lights	230	253	260	273
New Connections	1,227	1,349	1,100	1,155
Average Power Restoration Time per Outage (hrs.)	2	2	2	2
Average time of Street Light Repair (Cal. Days)	4	4	5	6
Average time of Security Light Repair (Cal. Days)	4	4	5	6

Note: Department 2140 merged with this department in 2019.





# DEPARTMENT 2130 - ELECTRIC TRANSMISSION AND DISTRIBUTION CONSTRUCTION AND MAINTENANCE

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 92,498	\$ 92,706	\$ 93,062	\$ 92,706	\$ 96,354	\$ 95,722
6105 Administrative Staff	2,219	-	-	-	-	-
6110 Clerical staff	18,194	19,948	17,585	16,931	18,281	17,482
6115 Operational staff	481,170	485,194	1,256,487	1,271,431	1,259,603	1,298,105
6130 Overtime	39,101	42,859	85,480	63,802	134,010	75,239
6140 Severance Pay	-	-	-	-	5,068	-
6201 T.M.R.S.	113,945	107,429	409,814	241,273	420,352	250,225
6205 F.I.C.A.	38,000	34,311	84,531	85,626	91,207	87,501
6206 Suta	-	-	-	-	2,232	-
6210 Medicare	8,887	8,024	19,771	20,025	21,330	20,464
6214 Dental Insurance	3,247	3,187	15,406	20,737	18,565	21,485
6215 Hospitalization insurance	106,840	108,942	280,548	333,029	322,881	377,006
6220 Life Insurance	768	583	1,250	1,662	1,208	1,693
6221 Long Term Disability Insurance	1,503	455	1,927	2,762	2,502	2,823
6225 Workers Compensation	16,428	15,308	36,829	34,527	41,104	35,283
6230 Vacation leave	10,239	7,640	534	17,633	42,648	18,022
6235 Sick leave	22,473	8,383	(988)	19,397	(53,072)	19,829
6250 Miscellaneous personnel benefits	-	-	35	-	-	-
6260 Vacancy Savings	-	-	-	(106,035)	-	(70,565)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>955,512</i>	<i>934,971</i>	<i>2,302,270</i>	<i>2,115,506</i>	<i>2,424,275</i>	<i>2,250,313</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	43	294	15	1,300	-	600
7110 Dues & memberships	772	735	770	3,000	565	700
7120 Office supplies	2,236	4,218	2,552	5,000	4,369	3,000
7130 Postage/shipping charges	374	71	1,041	2,000	1,289	2,000
7140 Training expenses	2,925	-	-	1,365	11,900	1,500
7145 Travel expenses	3,943	-	134	2,240	324	1,000
7180 Utilities - departmental	2,668	2,200	1,342	13,000	1,290	2,000
7199 Miscellaneous office expenses	-	-	-	-	-	-
7201 Barricades & signs	-	-	-	4,300	-	2,000
7203 Sand, Caliche, Gravel, Concrete etc	1,868	-	2,201	10,000	425	1,000
7205 Lamps, globes & flares	3,738	13,296	8,510	15,000	7,504	10,000
7210 Landscaping/Trade a Tree Program	288	128	118	2,000	75	250
7215 Laundry & janitorial supplies	-	-	-	-	-	-
7225 Safety supplies	14,253	19,756	29,494	45,000	36,752	40,000
7299 Other materials & supplies	105,959	51,754	100,501	100,000	100,645	100,000
7310 Federal, state, & local fees	-	-	-	-	-	-
7315 Food, meals, ice, water	1,339	1,046	1,636	5,000	1,745	1,500
7325 Rental of equip/storage/land	4,957	4,586	3,749	25,000	5,548	5,000
7335 Wearing apparel & dry goods	45,035	69,467	72,002	40,000	23,448	20,000
7415 Fuels & lubricants	56,662	78,230	110,283	100,000	92,228	90,000
7501 Maint. of buildings & structures	-	620	-	10,000	-	-
7510 Maint. of furniture & fixtures	-	-	-	-	-	-
7520 Maint. of minor equipment	-	-	-	13,000	-	3,000
7525 Maint. of boiler plant	-	-	-	-	193	-
7535 Maint. of electric plant	-	-	-	-	508	-
7540 Maint. of line transformers	12,778	3,025	44,938	97,800	32,038	50,000
7550 Maint. of overhead lines	16,081	97,423	154,722	162,500	113,477	120,000
7555 Maint. of station equipment	-	-	-	-	-	-
7565 Maint. of street lighting & signals	7,012	18,508	390,616	300,000	886,506	420,000
7570 Maint. of underground lines	20,817	51,802	41,861	60,500	22,380	40,000
7577 Maint. of distribution mains	-	-	-	-	-	-
7599 Maintenance / other	1,623	3,289	9,858	10,000	3,193	10,000
7645 Maintenance services	1,350	-	-	20,000	125	-
7699 Other services	7,187	10,365	3,796	12,000	36,958	15,000
7801 Communication equipment	729	10,801	469	1,800	198	1,000
7805 Computer equipment	104	1,186	202	5,000	-	2,000
7820 Office furniture & equipment	-	431	-	3,000	-	500
7835 Tools, shop and garage equipment	6,838	12,119	32,035	50,000	36,422	35,000
7899 Other minor tools & equipment	30,154	112,657	135,453	141,200	283,751	167,200
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>351,734</i>	<i>568,008</i>	<i>1,148,297</i>	<i>1,261,005</i>	<i>1,703,856</i>	<i>1,144,250</i>
	<b>1,307,246</b>	<b>1,502,979</b>	<b>3,450,567</b>	<b>3,376,511</b>	<b>4,128,131</b>	<b>3,394,563</b>





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

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

**Department Function:**

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

**Department Goals/Objectives:**

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

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6110 Clerical staff	-	-	-	-	-	-
6115 Operational staff	731,860	587,005	-	-	-	-
6130 Overtime	29,455	33,597	-	-	-	-
6140 Severance Pay	-	5,200	-	-	-	-
6201 T.M.R.S.	133,659	106,470	-	-	-	-
6205 F.I.C.A.	44,937	34,565	-	-	-	-
6210 Medicare	10,509	8,084	-	-	-	-
6214 Dental Insurance	4,012	3,181	-	-	-	-
6215 Hospitalization insurance	119,325	98,896	-	-	-	-
6220 Life Insurance	937	591	-	-	-	-
6221 Long Term Disability Insurance	1,798	449	-	-	-	-
6225 Workers Compensation	19,004	14,987	-	-	-	-
6230 Vacation leave	9,539	1,404	-	-	-	-
6235 Sick leave	3,406	4,060	-	-	-	-
<i>O&amp;M PERSONNEL TOTAL</i>	<u>1,108,441</u>	<u>898,489</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>



# DEPARTMENT 2140 – ELECTRIC TRANSMISSION AND DISTRIBUTION MAINTENANCE

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	-	-	-
7110 Dues & memberships	610	139	-	-	-	-
7120 Office supplies	1,699	1,021	-	-	-	-
7130 Postage/shipping charges	115	130	-	-	-	-
7135 Telephone expenses	70	-	-	-	-	-
7140 Training expenses	-	-	-	-	-	-
7145 Travel expenses	2,970	-	-	-	-	-
7203 Sand, Caliche, Gravel, Concrete etc	1,922	-	-	-	-	-
7205 Lamps, globes & flares	-	-	-	-	-	-
7210 Landscaping/Trade a Tree Program	30	-	-	-	-	-
7225 Safety supplies	9,547	5,926	-	-	-	-
7299 Other materials & supplies	58,295	52,382	-	-	-	-
7310 Federal, state, & local fees	-	-	-	-	-	-
7315 Food, meals, ice, water	291	314	-	-	-	-
7325 Rental of equip/storage/land	32,056	1,975	-	-	-	-
7335 Wearing apparel & dry goods	27,978	42,541	-	-	-	-
7415 Fuels & lubricants	40,688	46,656	-	-	-	-
7501 Maint. of buildings & structures	5,245	-	-	-	-	-
7505 Maint. of communication equipment	303	-	-	-	-	-
7535 Maint. of electric plant	-	167	-	-	-	-
7540 Maint. of line transformers	91,897	58,206	(7,842)	-	-	-
7545 Maint. of misc. steam plant	-	-	-	-	-	-
7550 Maint. of overhead lines	25,791	26,574	-	-	-	-
7565 Maint. of street lighting & signals	153,195	156,944	-	-	-	-
7570 Maint. of underground lines	69,150	29,265	-	-	-	-
7599 Maintenance / other	12,823	1,263	-	-	-	-
7630 Construction contractor services	-	-	-	-	-	-
7699 Other services	6,274	3,953	75	-	-	-
7801 Communication equipment	29,607	460	-	-	-	-
7805 Computer equipment	587	-	-	-	-	-
7820 Office furniture & equipment	2,822	-	-	-	-	-
7835 Tools, shop and garage equipment	59,723	37,584	-	-	-	-
7899 Other minor tools & equipment	10,860	13,070	-	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	644,546	478,571	(7,767)	-	-	-
	1,752,987	1,377,060	(7,767)	-	-	-





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. Receive customer trouble call requests in Cityworks and dispatch 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

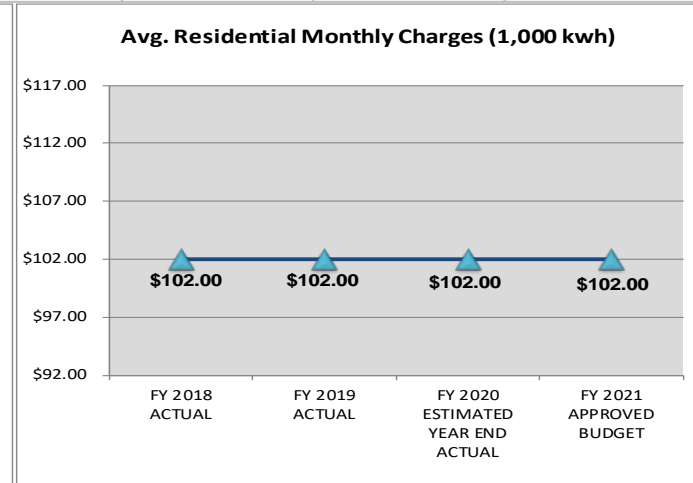
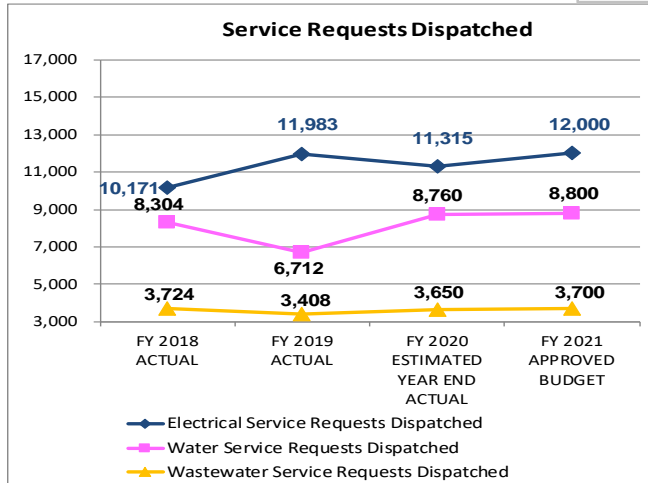
All Certified Operators Maintain NERC Certification

## **EFFICIENCY MEASURES**

Avg. Residential Monthly Charges (1,000 kwh)

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

FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
15	15	13	15
\$ 1,587,458	\$ 1,500,416	\$ 1,455,702	\$ 1,559,653
16	16	14	14
10,171	11,983	11,315	12,000
8,304	6,712	8,760	8,800
3,724	3,408	3,650	3,700
147	98	122	130
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 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 104,722	\$ 104,957	\$ 105,360	\$ 104,957	\$ 109,084	\$ 108,368
6110 Clerical staff	64,151	65,952	66,201	64,314	48,977	62,941
6115 Operational staff	772,982	827,663	771,547	757,973	807,665	802,963
6130 Overtime	85,075	65,746	66,562	74,701	73,569	73,624
6201 T.M.R.S.	181,367	190,356	181,279	161,989	183,026	172,738
6205 F.I.C.A.	60,869	63,139	60,457	57,489	61,529	60,405
6210 Medicare	14,236	14,766	14,139	13,445	14,390	14,127
6214 Dental Insurance	4,067	4,081	8,142	10,716	9,141	10,390
6215 Hospitalization insurance	136,956	138,682	141,612	164,326	156,334	183,297
6220 Life Insurance	1,209	1,057	849	1,057	809	1,103
6221 Long Term Disability Insurance	2,415	794	1,358	1,855	1,787	1,949
6225 Workers Compensation	25,627	26,649	25,629	23,181	26,238	24,357
6230 Vacation leave	11,261	(1,573)	3,279	11,839	18,504	12,441
6235 Sick leave	22,254	12,608	(11,276)	13,023	(99,378)	13,689
6240 Educational assistance	-	1,646	-	-	-	-
6260 Vacancy Savings	-	-	-	(68,065)	-	(48,714)
<i>O&amp;M PERSONNEL TOTAL</i>	1,487,189	1,516,523	1,435,139	1,392,798	1,411,674	1,493,678
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	110	-	-	500	-	250
7110 Dues & memberships	3,415	780	1,897	4,200	2,000	3,000
7120 Office supplies	1,456	1,877	2,075	2,000	2,242	3,000
7130 Postage/shipping charges	-	-	64	200	7	75
7140 Training expenses	23,440	20,369	24,340	27,930	13,145	30,000
7145 Travel expenses	24,904	24,655	15,487	40,544	1,882	5,000
7180 Utilities - departmental	12,140	11,109	10,672	13,000	9,744	7,000
7225 Safety supplies	-	-	-	-	2,695	5,200
7299 Other materials & supplies	375	440	537	600	1,056	600
7315 Food, meals, ice, water	645	868	502	1,500	428	750
7325 Rental of equip/storage/land	5,358	5,212	4,867	6,200	3,535	5,200
7415 Fuels & lubricants	-	-	-	500	-	100
7501 Maint. of buildings & structures	162	1,507	142	2,000	306	1,000
7505 Maint. of communication equipment	48	479	388	850	1,231	1,000
7645 Maintenance services	-	630	130	1,250	130	500
7699 Other services	-	-	1,275	1,500	600	500
7805 Computer equipment	424	45	370	500	940	1,000
7806 Software licenses-new	-	480	-	800	-	800
7820 Office furniture & equipment	2,087	2,457	2,258	2,345	2,144	-
7899 Other minor tools & equipment	975	30	274	2,000	1,944	1,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	75,539	70,935	65,277	108,419	44,028	65,975
	1,562,728	1,587,458	1,500,416	1,501,217	1,455,702	1,559,653





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

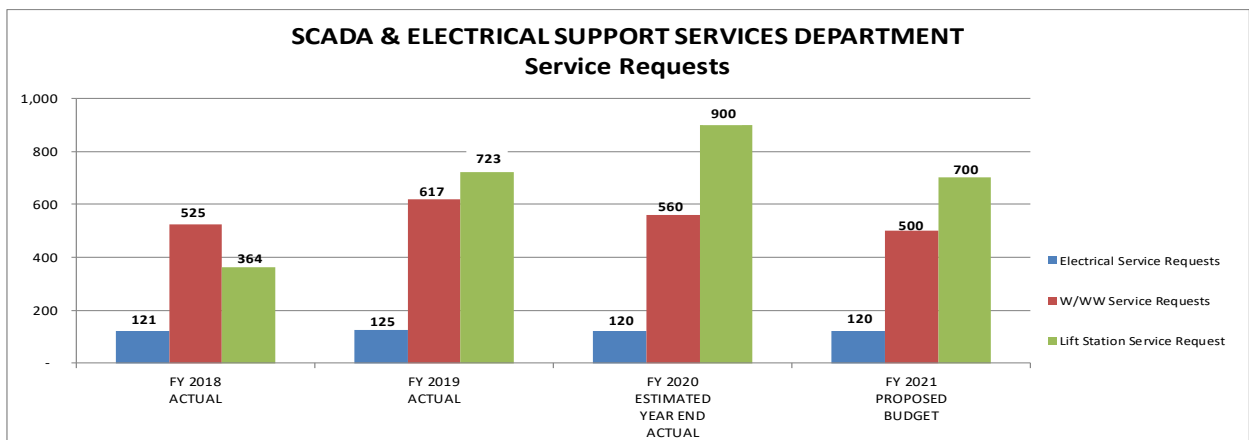
**OUTCOME MEASURES**

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 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 PROPOSED BUDGET
22	23	23	24
\$ 1,608,098	\$ 1,656,771	\$ 1,856,709	\$ 1,886,261
\$ 1,177,547	\$ 1,080,276	\$ 1,269,856	\$ 1,129,500
45	45	45	45
100	100	100	100
78	100	100	100
185	185	185	185
121	125	120	120
525	617	560	500
364	723	900	700
23	23	26	27
300	277	450	450
112	101	110	110
503	586	520	450
362	704	850	675
93%	81%	92%	92%
96%	95%	93%	90%
99%	97%	94%	96%





## DEPARTMENT 2210 – SCADA & ELECTRICAL SUPPORT SERVICES

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 159,753	\$ 266,078	\$ 264,122	\$ 283,816	\$ 294,724	\$ 313,394
6105 Administrative Staff	161,759	192,762	204,473	274,934	271,177	283,878
6110 Clerical staff	33,320	33,449	33,751	32,469	34,815	33,530
6115 Operational staff	534,216	567,039	546,267	595,566	591,588	606,362
6130 Overtime	21,436	23,491	44,849	31,600	87,426	45,321
6201 T.M.R.S.	164,052	194,201	212,161	207,332	238,209	219,349
6205 F.I.C.A.	54,758	64,000	64,965	73,581	77,333	76,704
6206 Suta	(714)	-	-	-	-	-
6210 Medicare	12,806	14,968	15,193	17,208	18,086	17,939
6214 Dental Insurance	4,518	5,546	10,161	14,414	12,308	14,337
6215 Hospitalization insurance	149,292	184,700	191,061	237,524	228,187	269,288
6220 Life Insurance	1,156	1,191	990	1,382	1,037	1,434
6221 Long Term Disability Insurance	2,275	889	1,562	2,374	2,218	2,474
6225 Workers Compensation	23,179	27,170	27,938	29,670	32,747	30,929
6230 Vacation leave	4,593	12,871	17,794	15,153	21,800	15,799
6235 Sick leave	22,753	19,743	21,047	16,668	(54,948)	17,382
6250 Miscellaneous personnel benefits	-	-	438	-	-	-
6260 Vacancy Savings	-	-	-	(88,513)	-	(61,858)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>1,349,153</b>	<b>1,608,098</b>	<b>1,656,771</b>	<b>1,745,177</b>	<b>1,856,709</b>	<b>1,886,261</b>
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	1,371	725	1,399	1,100	941	900
7120 Office supplies	2,440	3,732	4,546	3,500	3,651	3,000
7130 Postage/shipping charges	881	1,243	574	500	1,206	600
7140 Training expenses	10,345	16,102	4,919	10,687	11,404	10,000
7145 Travel expenses	11,624	19,701	7,095	14,144	6,279	500
7180 Utilities - departmental	2,072	2,285	2,270	2,500	1,998	2,500
7225 Safety supplies	2,495	7,602	13,113	10,000	25,160	10,000
7299 Other materials & supplies	249,103	362,718	274,743	300,000	406,403	300,000
7304 Hurricane Preparedness Expenses	195,168	216,850	260,754	220,000	313,809	250,000
7305 ERCOT expenses	121,476	126,555	88,215	130,000	114,649	122,000
7310 Federal, state, & local fees	332	340	374	500	696	500
7315 Food, meals, ice, water	1,602	1,298	2,807	2,000	2,529	2,000
7325 Rental of equip/storage/land	262	274	230	800	163	500
7335 Wearing apparel & dry goods	12,407	19,008	17,975	20,000	8,184	15,000
7415 Fuels & lubricants	18,794	21,884	26,806	26,000	25,563	26,000
7501 Maint. of buildings & structures	15,161	7,010	5,598	10,000	12,151	10,000
7505 Maint. of communication equipment	26,282	103	609	5,000	3,361	5,000
7605 Engineering fees	-	-	-	50,000	-	30,000
7635 Software maintenance service fees	49,635	42,508	98,298	73,000	63,965	77,000
7645 Maintenance services	118,673	256,671	185,658	215,000	186,711	200,000
7801 Communication equipment	8,062	18,188	16,944	15,000	11,276	10,000
7805 Computer equipment	20,735	14,632	15,733	18,000	18,183	18,000
7806 Software licenses-new	2,869	20,130	18,646	20,000	27,177	16,000
7820 Office furniture & equipment	2,607	5,880	6,532	3,000	4,720	2,000
7899 Other minor tools & equipment	8,453	12,108	26,437	20,000	19,679	18,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>882,849</b>	<b>1,177,547</b>	<b>1,080,276</b>	<b>1,170,731</b>	<b>1,269,856</b>	<b>1,129,500</b>
	<b>2,232,002</b>	<b>2,785,645</b>	<b>2,737,047</b>	<b>2,915,908</b>	<b>3,126,565</b>	<b>3,015,761</b>





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**

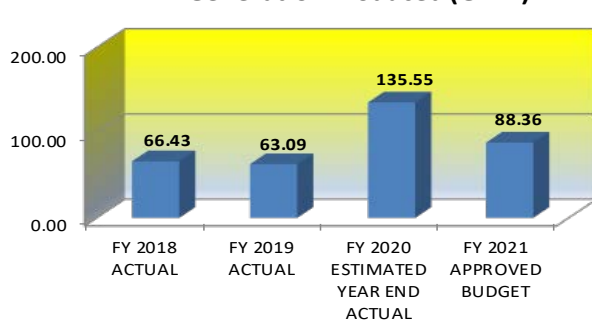
Revenue, Gross (\$Base: Gen @ \$0.10/kwh)  
Other Revenue (\$ for Contract Services)

**EFFICIENCY MEASURES**

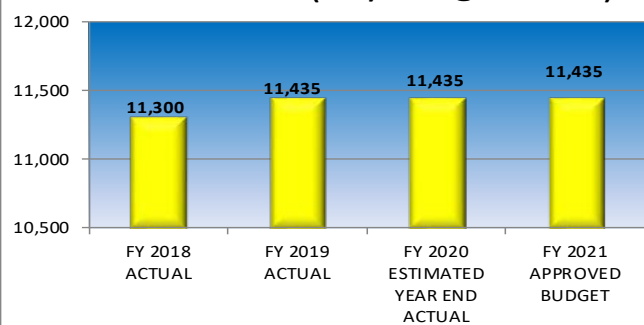
Plant Heat Rate (BTU/ KWH @ 1040 HHV)  
Reliability (%)

FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
27	27	26	27
3,347	3,062	3,682	3,682
\$ 2,210,745	\$ 2,255,925	\$ 2,254,534	\$ 2,320,107
\$ 10,838,449	\$ 9,375,804	\$ 8,036,504	\$ 6,665,424
66.43	63.09	135.55	88.36
75%	81%	88%	81%
\$ 8,235,246	\$ 9,257,426	\$ 13,555,000	\$ 8,835,633
\$ -	\$ -	\$ -	\$ -
11,300	11,435	11,435	11,435
98.12%	98.32%	90.45%	95.63%

**Generation Produced (GWH)**



**Plant Heat Rate (BTU/ KWH @ 1040 HHV)**





## DEPARTMENT 2220 - POWER PRODUCTION

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 244,332	\$ 251,867	\$ 251,722	\$ 251,867	\$ 282,195	\$ 348,296
6105 Administrative Staff	137,967	116,019	119,291	137,530	115,541	53,747
6110 Clerical staff	25,041	25,891	26,062	25,792	26,351	26,624
6115 Operational staff	991,604	1,015,186	1,032,660	1,011,629	1,042,137	1,043,120
6130 Overtime	123,587	124,362	111,840	123,955	93,824	123,325
6201 T.M.R.S.	268,892	275,509	274,727	249,265	279,945	260,948
6205 F.I.C.A.	89,483	90,730	90,787	88,463	94,253	91,251
6206 Suta	2,206	-	-	-	-	-
6210 Medicare	20,928	21,219	21,232	20,689	22,043	21,341
6214 Dental Insurance	7,061	6,999	14,402	18,878	16,772	18,955
6215 Hospitalization insurance	242,503	241,125	253,148	291,585	280,981	325,174
6220 Life Insurance	1,857	1,555	1,341	1,660	1,290	1,703
6221 Long Term Disability Insurance	3,614	1,170	2,094	2,854	2,763	2,944
6225 Workers Compensation	38,206	38,511	39,110	35,670	40,556	36,795
6230 Vacation leave	11,515	(1,442)	10,033	18,217	31,182	18,795
6235 Sick leave	14,063	2,044	7,475	20,040	(75,299)	20,679
6260 Vacancy Savings	-	-	-	(106,794)	-	(73,589)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>2,222,859</i>	<i>2,210,745</i>	<i>2,255,925</i>	<i>2,191,299</i>	<i>2,254,534</i>	<i>2,320,107</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	464	57	233	2,800	-	1,500
7110 Dues & memberships	235	770	305	2,000	320	1,000
7120 Office supplies	2,467	2,375	1,888	3,000	655	2,500
7130 Postage/shipping charges	7,288	6,378	18,159	20,000	1,941	10,000
7140 Training expenses	16,207	12,290	15,965	24,549	2,705	20,000
7145 Travel expenses	20,501	20,167	26,953	18,848	5,168	10,000
7147 Mileage Reimbursement (InTownExp)	-	-	-	200	-	200
7180 Utilities - departmental	226,392	156,811	171,131	240,000	231,303	200,000
7215 Laundry & janitorial supplies	3,631	2,582	1,424	4,500	1,396	4,500
7225 Safety supplies	4,377	1,574	7,381	3,500	8,538	6,000
7293 Chemicals - other	67,163	67,495	54,103	75,500	113,483	80,000
7299 Other materials & supplies	10,078	19,936	9,398	20,500	17,442	20,000
7310 Federal, state, & local fees	-	-	256	800	70	800
7315 Food, meals, ice, water	1,010	928	842	1,300	973	1,000
7325 Rental of equip/storage/land	5,580	3,945	3,958	10,000	8,535	9,000
7335 Wearing apparel & dry goods	33,258	50,955	28,952	24,000	5,093	28,000
7415 Fuels & lubricants	4,718	6,012	8,353	3,600	4,648	6,000
7501 Maint. of buildings & structures	14,693	23,163	39,928	119,800	43,138	80,000
7505 Maint. of communication equipment	1,592	-	4,501	5,000	25	5,000
7515 Maint. of major equipment	318,388	2,003,006	1,168,486	500,000	250,313	451,900
7520 Maint. of minor equipment	68,311	39,805	6,818	30,610	44,805	40,110
7525 Maint. of boiler plant	166,938	231,840	58,587	250,000	158,775	574,000
7605 Engineering fees	20,504	45,640	117,060	30,000	23,917	55,000
7635 Software maintenance service fees	-	4,080	4,800	136,284	56,254	100,000
7645 Maintenance services	103,541	132,832	43,504	138,500	1,671	80,000
7699 Other services	27,107	9,984	4,730	16,100	4,857	10,000
7703 Fuel - Diesel oil - Silas Ray	-	-	-	-	-	-
7731 Pchp - Fixed expenses - Oklaunion	4,873,643	4,641,903	4,352,561	4,820,560	3,805,918	500,000
7732 Pchp - Hidalgo Fixed Operation Fee	4,392,322	3,346,971	3,213,956	3,950,785	3,231,030	4,345,864
7805 Computer equipment	-	644	-	3,600	1,363	4,050
7806 Software licenses-new	8,436	3,564	4,950	5,000	4,752	5,000
7820 Office furniture & equipment	336	31	1,121	8,800	101	6,000
7899 Other minor tools & equipment	7,707	2,712	5,504	5,500	7,314	8,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>10,406,888</i>	<i>10,838,449</i>	<i>9,375,804</i>	<i>10,475,636</i>	<i>8,036,504</i>	<i>6,665,424</i>
	<b>12,629,747</b>	<b>13,049,194</b>	<b>11,631,729</b>	<b>12,666,935</b>	<b>10,291,038</b>	<b>8,985,531</b>





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

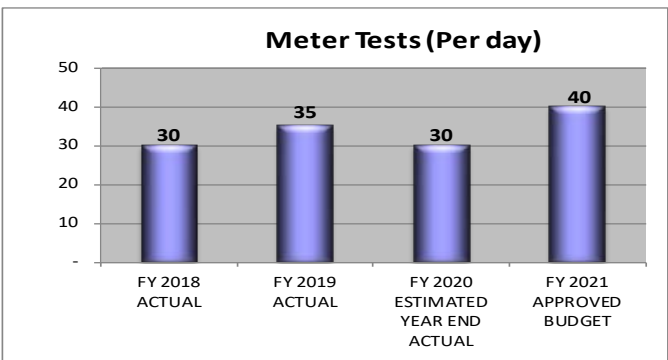
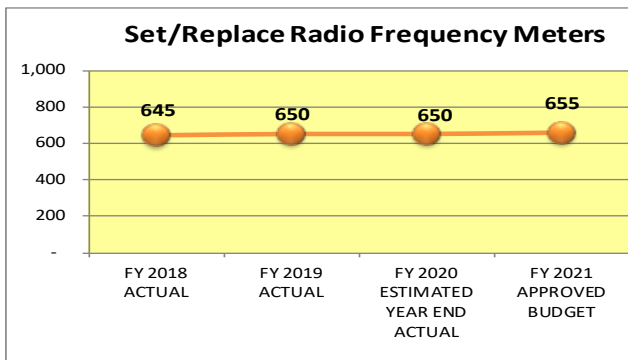
**OUTCOME MEASURES**

Comply With ERCOT

**EFFICIENCY MEASURES**

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

	FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
Staff	8	8	8	8
ERCOT TDSP Meters	6	8	8	8
Total O&M Expenses	\$ 839,893	\$ 781,223	\$ 684,133	\$ 779,856
Install/ Maintain CT Rated Demand Meters	350	350	325	355
Meter Investigation	1,867	2,100	2,100	2,400
Set/Replace Radio Frequency Meters	645	650	650	655
Total Meter Tests	7,277	8,500	7,200	8,600
Total Service Orders Resolved	7,560	8,500	7,200	8,600
Comply With ERCOT	Yes	Yes	Yes	Yes
Meter Tests (Per day)	30	35	30	40
Service Orders Closed (Per day)	32	50	50	55





## DEPARTMENT 2310 - ELECTRIC METER SHOP

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6105 Administrative Staff	\$ 52,782	\$ 57,162	\$ 39,528	\$ 59,114	\$ 53,076	\$ 52,728
6115 Operational staff	228,886	264,655	255,632	260,166	258,785	270,130
6130 Overtime	11,911	11,420	12,260	10,278	8,615	10,523
6201 T.M.R.S.	51,552	59,820	55,089	45,575	58,402	57,243
6205 F.I.C.A.	17,144	19,561	17,925	19,795	19,303	20,017
6206 Suta	-	268	-	-	-	-
6210 Medicare	4,010	4,575	4,192	4,630	4,515	4,681
6214 Dental Insurance	1,756	2,078	3,660	4,800	4,126	4,924
6215 Hospitalization insurance	57,165	69,332	70,577	80,682	77,863	94,321
6220 Life Insurance	377	382	299	385	280	392
6221 Long Term Disability Insurance	617	234	361	555	479	560
6225 Workers Compensation	7,286	8,486	7,823	7,982	8,286	8,071
6230 Vacation leave	3,542	411	(3,670)	4,077	13,059	4,123
6235 Sick leave	8,462	15,447	(7,106)	4,484	(42,415)	4,536
6250 Miscellaneous personnel benefits	-	7,467	-	500	-	500
6260 Vacancy Savings	-	-	-	(24,184)	-	(16,143)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>445,489</u>	<u>521,297</u>	<u>456,569</u>	<u>478,838</u>	<u>464,374</u>	<u>516,606</u>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	1,101	-	-	500	-	250
7110 Dues & memberships	122	-	205	300	-	250
7120 Office supplies	858	1,358	941	1,300	829	1,300
7130 Postage/shipping charges	872	796	1,275	800	45	800
7135 Telephone expenses	-	-	35	500	-	50
7140 Training expenses	1,350	7,006	4,889	903	-	1,000
7145 Travel expenses	8,706	12,324	9,462	3,104	3,563	1,500
7225 Safety supplies	662	833	2,914	3,000	6,404	5,000
7299 Other materials & supplies	25,306	31,422	35,609	27,300	19,825	30,000
7315 Food, meals, ice, water	211	155	261	400	119	400
7320 Official functions	-	-	-	-	-	-
7325 Rental of equip/storage/land	1,525	3,153	3,286	2,000	1,913	3,000
7335 Wearing apparel & dry goods	7,089	10,779	9,207	10,000	6,087	5,000
7415 Fuels & lubricants	7,952	9,997	12,267	12,000	9,093	10,000
7501 Maint. of buildings & structures	1,200	4,024	-	2,000	-	-
7505 Maint. of communication equipment	-	7,196	46	5,000	-	1,500
7530 Maint. of electric meters	128,331	207,575	230,169	175,000	166,408	200,000
7599 Maintenance / other	1,955	762	-	2,000	450	-
7699 Other services	2,083	-	773	2,000	1,177	1,000
7801 Communication equipment	-	12,323	-	-	-	-
7805 Computer equipment	732	1,477	248	1,000	225	500
7806 Software licenses-new	1,040	-	-	500	-	500
7820 Office furniture & equipment	1,520	1,158	338	2,000	-	200
7835 Tools, shop and garage equipment	854	2,530	5,709	5,000	835	1,000
7899 Other minor tools & equipment	1,785	3,730	7,020	10,000	2,784	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>195,254</u>	<u>318,596</u>	<u>324,654</u>	<u>266,607</u>	<u>219,759</u>	<u>263,250</u>
	<b>640,743</b>	<b>839,893</b>	<b>781,223</b>	<b>745,445</b>	<b>684,133</b>	<b>779,856</b>





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

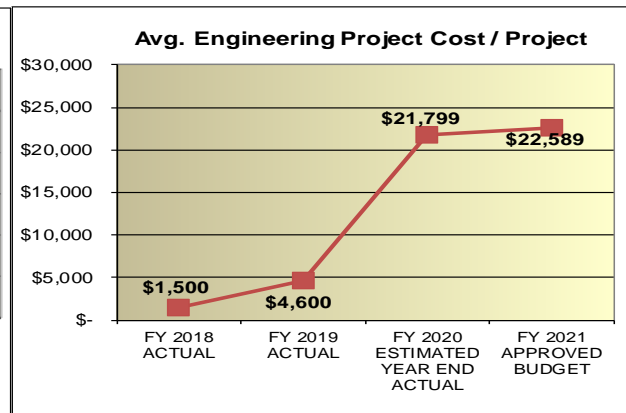
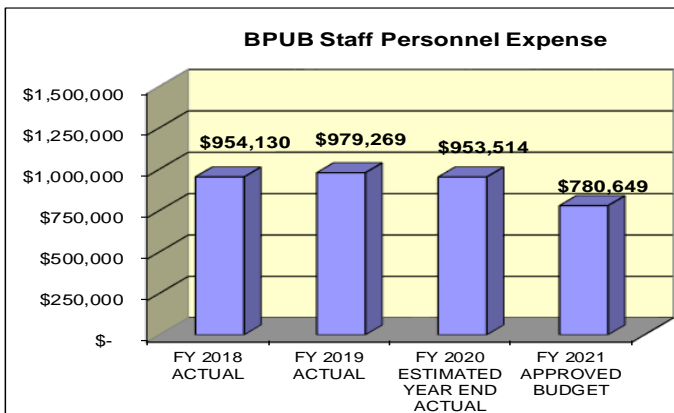
**OUTCOME MEASURES**

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 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
O&M Personnel Expenses	\$ 954,130	\$ 979,269	\$ 953,514	\$ 780,649
O&M Non-Personnel Expenses	\$ 1,017,798	\$ 1,131,967	\$ 1,082,570	\$ 1,011,200
Number of Customers (based on Work Orders)	330	300	280	282
Number of Street Lights	130	100	120	132
Number of Trees Trimmed	9,300	9,000	10,263	10,253
Number of Trouble Calls Completed	2,000	1,500	2,353	2,084
AEP - Magic Valley Conversions	4	2	2	3
Residential Lots Designed	510	450	484	502
Commercial Lots Designed	143	130	135	145
Substations Designed	1	2	2	1
New Feeders Designed	2	2	2	2
Services Designed in Multi-Certified Areas	250	100	150	225
Customers per Employee (year)	28.00	28.00	22.00	22.00
Work Order Accuracy	95%	95%	95%	95%
System Losses (MWH Purchased- MWH Sold)	6.00%	5.70%	5.60%	5.60%
Avg. Engineering Project Cost / Project	\$ 1,500	\$ 4,600	\$ 21,799	\$ 22,589





## DEPARTMENT 2410 - ELECTRIC ENGINEERING

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 79,830	\$ 80,532	\$ 80,815	\$ 80,402	\$ 84,106	\$ 83,023
6105 Administrative Staff	522,390	505,820	508,480	436,245	542,923	410,178
6110 Clerical staff	54,204	54,522	55,790	46,467	58,343	47,969
6130 Overtime	592	118	124	173	167	261
6201 T.M.R.S.	115,335	116,825	127,017	98,376	134,184	95,949
6205 F.I.C.A.	39,335	39,382	38,524	34,913	41,846	33,553
6210 Medicare	9,199	9,210	9,010	8,165	9,787	7,847
6214 Dental Insurance	3,263	3,187	6,022	6,409	6,714	5,615
6215 Hospitalization insurance	95,335	94,065	98,558	93,497	105,048	89,568
6220 Life Insurance	872	732	606	647	603	619
6221 Long Term Disability Insurance	1,720	573	974	1,126	1,311	1,082
6225 Workers Compensation	16,295	16,463	16,154	14,078	17,567	13,529
6230 Vacation leave	10,868	4,078	5,716	7,190	11,580	6,911
6235 Sick leave	19,362	23,730	30,518	7,909	(70,889)	7,603
6240 Educational assistance	-	(77)	-	-	3,133	-
6250 Miscellaneous personnel benefits	-	4,971	962	800	7,092	4,000
6260 Vacancy Savings	-	-	-	(41,016)	-	(27,059)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>968,600</i>	<i>954,130</i>	<i>979,269</i>	<i>795,382</i>	<i>953,514</i>	<i>780,649</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	1,762	93	2,357	2,000	411	1,000
7110 Dues & memberships	1,417	1,745	1,180	2,000	2,403	2,000
7120 Office supplies	7,016	4,029	5,681	6,500	2,863	4,000
7125 Photo equipment/supplies	137	-	-	-	-	-
7130 Postage/shipping charges					2,169	
7135 Telephone expenses			2,393	2,000	234	2,000
7140 Training expenses	5,280	5,284	29,449	8,190	6,200	5,500
7145 Travel expenses	9,158	12,090	8,750	14,624	11,892	5,500
7203 Sand, Caliche, Gravel, Concrete etc	-	-	-	500	-	-
7210 Landscaping/Trade a Tree Program	130	80	150	750	275	400
7225 Safety supplies	383	395	309	600	926	800
7299 Other materials & supplies	1,280	770	1,267	1,550	16,466	2,800
7315 Food, meals, ice, water	699	967	589	800	542	600
7325 Rental of equip/storage/land	1,752	1,674	2,989	5,000	2,949	3,000
7335 Wearing apparel & dry goods	1,013	1,553	3,889	3,500	-	-
7415 Fuels & lubricants	3,386	3,466	2,973	3,000	2,984	3,000
7505 Maint. of communication equipment	-	679	210	400	24	400
7565 Maint. of street lighting & signals	3,120	17,180	19,367	75,000	64,719	25,000
7570 Maint. of underground lines	207,040	250,898	225,933	171,000	210,217	182,100
7599 Maintenance / other	-	320	-	500	-	-
7601 Legal Fees	4,185	14,377	13,670	15,000	23,079	15,000
7605 Engineering fees	284,628	56,794	89,421	75,000	27,026	40,000
7630 Construction contractor services	57,376	88,300	90,510	77,000	70,757	68,000
7635 Software maintenance service fees	4,250	14,525	82,390	36,000	43,280	36,000
7645 Maintenance services					1,173	
7699 Other services	548,591	532,144	516,743	620,600	585,416	600,000
7805 Computer equipment	4,080	544	535	4,000	428	500
7806 Software licenses-new	3,450	7,985	17,424	10,000	3,600	10,000
7820 Office furniture & equipment	1,898	593	2,936	3,000	-	500
7835 Tools, shop and garage equipment	-	-	31	100	-	100
7899 Other minor tools & equipment	415	1,313	10,820	12,000	2,538	3,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>1,152,444</i>	<i>1,017,798</i>	<i>1,131,967</i>	<i>1,150,614</i>	<i>1,082,570</i>	<i>1,011,200</i>
	<b>2,121,044</b>	<b>1,971,928</b>	<b>2,111,236</b>	<b>1,945,996</b>	<b>2,036,084</b>	<b>1,791,849</b>





Department Responsibility: **Marie C. Leal, P.E.**  
 Title: **Director of Special Projects**

Telephone Ext: **6275**  
 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 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 104,575	\$ 118,097	\$ 64,166	\$ 74,630	\$ 134,982	\$ 149,436
6110 Clerical staff	35,327	35,182	35,320	34,882	37,045	36,026
6130 Overtime	392	483	434	503	366	500
6201 T.M.R.S.	26,071	28,427	32,509	27,719	40,973	32,882
6205 F.I.C.A.	7,740	8,645	4,528	6,790	10,766	11,499
6210 Medicare	2,077	2,220	1,449	1,588	2,518	2,689
6214 Dental Insurance	484	480	864	1,221	1,327	1,584
6215 Hospitalization insurance	13,131	15,070	15,175	18,273	26,634	32,856
6220 Life Insurance	179	153	93	123	142	206
6221 Long Term Disability Insurance	367	120	129	219	316	371
6225 Workers Compensation	3,684	3,978	2,690	2,738	4,643	4,637
6230 Vacation leave	4,815	6,230	(15,224)	1,398	7,786	2,368
6235 Sick leave	5,026	14,029	(24,089)	1,538	40,104	2,606
6242 Auto Benefits	7,500	7,500	8,077	-	5,192	7,500
6243 Telephone Benefits	1,680	1,680	1,809	1,680	1,163	1,680
6260 Vacancy Savings	-	-	-	(8,409)	-	(9,273)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>213,049</i>	<i>242,295</i>	<i>127,930</i>	<i>164,893</i>	<i>313,958</i>	<i>277,565</i>



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

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	-	278	-
7110 Dues & memberships	6,129	6,375	6,651	7,000	6,506	6,500
7120 Office supplies	1,483	1,771	1,595	1,500	431	1,000
7130 Postage/shipping charges	18	210	43	100	51	100
7140 Training expenses	1,324	3,510	1,120	1,932	740	3,500
7145 Travel expenses	3,680	5,352	7,563	5,056	1,574	4,000
7315 Food, meals, ice, water	647	1,220	662	1,000	160	1,000
7325 Rental of equip/storage/land	-	408	-	-	-	-
7415 Fuels & lubricants	-	-	-	-	242	-
7601 Legal Fees	3,871	4,698	783	5,000	12,290	5,000
7699 Other services	-	-	1,045	800	233	800
7801 Communication equipment	-	-	-	200	-	200
7805 Computer equipment	409	170	301	500	170	500
7820 Office furniture & equipment	432	657	2,758	500	311	500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	17,992	24,369	22,521	23,588	22,985	23,100
	231,041	266,664	150,451	188,481	336,943	300,665





Department Responsibility: Domingo Cortez Jr.  
 Title: WWW 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

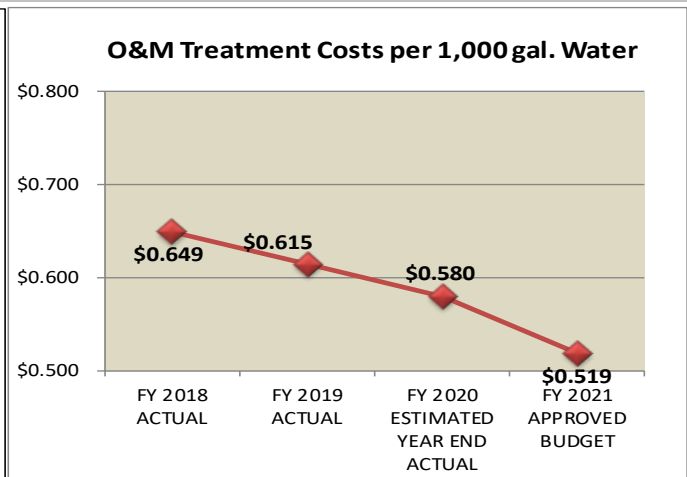
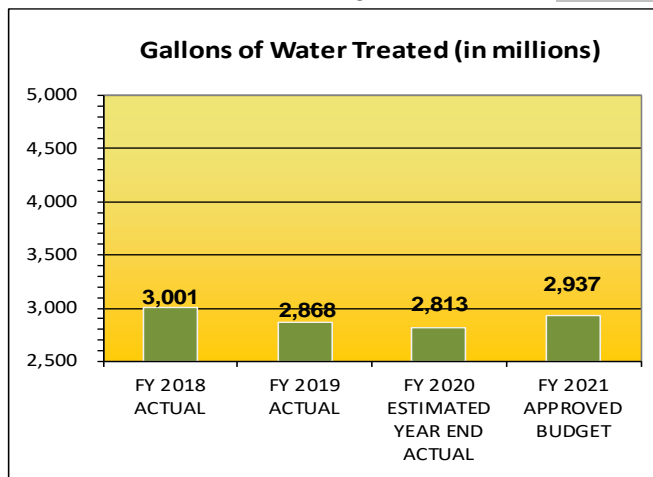
#### OUTCOME MEASURES

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 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
10	10	8	8
\$ 1,948,602	\$ 1,762,555	\$ 1,764,719	\$ 1,978,827
3,056	2,995	3,039	3,245
3,001	2,868	2,813	2,937
52,269	53,278	54,306	55,354
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
100%	100%	100%	100%
\$ 0.649	\$ 0.615	\$ 0.580	\$ 0.519





## DEPARTMENT 3120 - WATER PLANT I

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 125,837	\$ 104,192	\$ 135,261	\$ 134,742	\$ 124,179	\$ 139,131
6110 Clerical staff	355	7,698	12,534	-	7,419	-
6115 Operational staff	246,828	258,356	263,850	288,891	255,619	240,406
6130 Overtime	9,541	9,381	9,945	9,023	28,270	8,978
6201 T.M.R.S.	67,689	68,560	74,679	74,009	74,801	67,292
6205 F.I.C.A.	22,591	22,647	25,041	26,265	25,412	23,531
6210 Medicare	5,283	5,296	5,856	6,143	5,943	5,503
6214 Dental Insurance	2,463	2,464	4,932	6,620	5,394	5,609
6215 Hospitalization insurance	75,118	71,871	79,450	95,064	83,387	86,841
6220 Life Insurance	511	430	403	510	363	456
6221 Long Term Disability Insurance	969	282	601	847	734	759
6225 Workers Compensation	9,564	9,578	10,560	10,591	10,706	9,488
6230 Vacation leave	322	10,092	(34)	5,409	11,264	4,847
6235 Sick leave	(7,225)	32,276	(4,321)	5,950	(28,371)	5,333
6260 Vacancy Savings	-	-	-	(32,184)	-	(18,977)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>559,847</i>	<i>603,125</i>	<i>618,757</i>	<i>631,880</i>	<i>605,118</i>	<i>579,198</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	175	-	50
7110 Dues & memberships	1,014	1,141	768	1,200	1,560	1,500
7120 Office supplies	419	436	801	400	296	400
7130 Postage/shipping charges	34	16	-	100	17	100
7140 Training expenses	4,220	785	2,105	903	470	1,600
7145 Travel expenses	998	2,857	1,804	1,696	437	920
7180 Utilities - departmental	192,123	231,579	250,004	230,000	185,206	230,000
7225 Safety supplies	3,415	331	1,297	2,000	2,603	2,000
7280 Chemicals - activated carbon	19,686	19,161	20,598	25,824	35,759	30,000
7281 Chemicals - ammonia	51,899	49,530	35,765	61,006	43,612	67,388
7282 Chemicals - caustic soda	-	66,728	78,540	61,544	61,923	65,715
7283 Chemicals - chlorine	81,414	68,060	66,322	103,277	86,931	110,707
7284 Chemicals - coagulant	381,317	476,236	385,681	519,198	426,474	489,169
7290 Chemicals - sodium chloride	56,104	56,530	65,488	67,320	33,600	67,320
7293 Chemicals - other	1,159	1,023	1,080	2,100	1,064	1,500
7299 Other materials & supplies	23,286	8,341	23,518	43,730	34,394	34,500
7315 Food, meals, ice, water	305	149	133	400	172	400
7325 Rental of equip/storage/land	2,458	2,437	39,432	4,300	62,495	4,300
7335 Wearing apparel & dry goods	2,879	3,273	5,273	2,925	1,200	3,000
7415 Fuels & lubricants	1,596	1,201	1,065	1,500	1,457	1,500
7520 Maint. of minor equipment	23,017	4,418	3,534	15,000	10,963	11,500
7580 Maint. of reservoirs	37,478	131,356	52,129	113,650	44,030	88,060
7605 Engineering fees	1,511	-	9,989	20,000	-	-
7630 Construction contractor services	14,748	14,419	3,585	160,935	-	20,000
7645 Maintenance services	2,033	115,429	16,483	165,000	63,694	120,000
7699 Other services	20,648	22,728	27,528	17,700	7,404	10,700
7810 Laboratory equipment	5,281	23,098	18,023	13,600	18,131	13,200
7820 Office furniture & equipment	-	857	1,290	1,400	373	600
7830 Pumping equipment	499	420	216	1,000	255	500
7840 Water treatment equipment	21,702	33,460	29,674	45,000	34,668	22,000
7899 Other minor tools & equipment	1,385	9,480	1,673	1,000	413	1,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>952,625</i>	<i>1,345,477</i>	<i>1,143,798</i>	<i>1,683,883</i>	<i>1,159,601</i>	<i>1,399,629</i>
	<b>1,512,472</b>	<b>1,948,602</b>	<b>1,762,555</b>	<b>2,315,763</b>	<b>1,764,719</b>	<b>1,978,827</b>





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

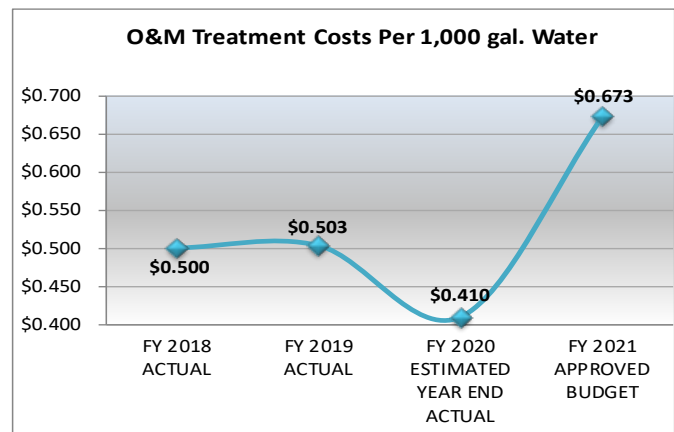
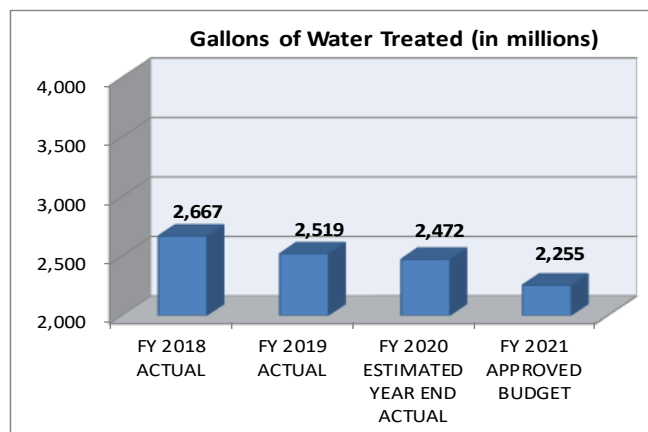
Compliance With State Reporting Requirements

Completion of Oper. Reports Within 10 Days (%)

#### EFFICIENCY MEASURES

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

FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
8	8	8	8
\$ 1,334,659	\$ 1,268,199	\$ 1,457,608	\$1,460,854
2,754	2,613	2,661	2,479
2,667	2,519	2,472	2,255
52,269	53,278	54,306	55,354
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
100%	100%	100%	100%
\$ 0.500	\$ 0.503	\$ 0.410	\$ 0.673





## DEPARTMENT 3130 - WATER PLANT II

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 64,901	\$ 57,851	\$ 94,381	\$ 51,875	\$ 97,989	\$ 53,560
6115 Operational staff	223,089	216,626	196,896	232,003	172,635	229,174
6130 Overtime	12,834	12,485	7,946	11,377	16,888	12,096
6201 T.M.R.S.	53,343	51,300	53,011	49,594	50,290	50,129
6205 F.I.C.A.	17,741	16,850	17,477	17,600	16,944	17,530
6206 Suta	2,065	1,376	-	-	-	-
6210 Medicare	4,149	3,941	4,087	4,116	3,963	4,100
6214 Dental Insurance	2,100	2,034	4,309	5,576	4,408	5,250
6215 Hospitalization insurance	62,866	60,687	68,415	77,835	66,753	81,893
6220 Life Insurance	398	319	292	353	257	351
6221 Long Term Disability Insurance	741	239	419	568	505	565
6225 Workers Compensation	7,562	7,174	7,487	7,097	7,197	7,068
6230 Vacation leave	4,537	618	(5,563)	3,625	3,762	3,611
6235 Sick leave	7,032	154	(5,942)	3,987	(28,024)	3,972
6260 Vacancy Savings	-	-	-	(22,331)	-	(14,137)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>463,357</b>	<b>431,654</b>	<b>443,214</b>	<b>443,275</b>	<b>413,565</b>	<b>455,162</b>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	74	-	200	-	50
7110 Dues & memberships	742	1,021	798	900	457	650
7120 Office supplies	381	-	201	315	544	450
7130 Postage/shipping charges	-	281	448	500	-	400
7140 Training expenses	2,107	1,680	1,765	1,323	1,540	1,323
7145 Travel expenses	466	1,740	810	640	126	500
7180 Utilities - departmental	226,442	242,278	208,471	207,788	280,228	217,551
7190 Utilities - CP&L & Mvec	1,343	1,379	1,713	2,000	1,923	2,200
7225 Safety supplies	1,320	464	2,014	2,575	3,069	1,750
7280 Chemicals - activated carbon	41,422	37,806	19,848	41,354	18,210	40,032
7281 Chemicals - ammonia	40,560	48,153	45,649	44,215	35,774	43,110
7282 Chemicals - caustic soda	41,024	41,563	48,939	53,897	48,758	55,788
7283 Chemicals - chlorine	60,750	59,904	58,590	90,646	66,870	84,702
7284 Chemicals - coagulant	281,102	295,790	202,075	374,451	246,471	310,000
7290 Chemicals - sodium chloride	40,893	52,179	54,336	74,800	93,680	93,500
7293 Chemicals - other	585	1,271	1,295	1,715	1,085	1,652
7299 Other materials & supplies	21,297	13,086	23,264	43,393	43,738	38,000
7315 Food, meals, ice, water	97	161	100	250	95	250
7325 Rental of equip/storage/land	2,672	1,825	2,358	3,400	56,566	30,700
7335 Wearing apparel & dry goods	2,298	2,599	2,543	2,050	1,089	2,050
7415 Fuels & lubricants	806	858	1,081	1,425	826	1,200
7501 Maint. of buildings & structures	-	4,186	5,547	102,000	19,920	15,000
7580 Maint. of reservoirs	4,817	56,689	4,396	35,956	41,566	33,956
7605 Engineering fees	-	-	16,139	30,400	4,310	-
7630 Construction contractor services	-	-	30,910	40,000	23,241	-
7645 Maintenance services	624	762	2,813	16,000	36,187	6,000
7699 Other services	10,577	6,879	6,341	7,150	3,584	4,650
7810 Laboratory equipment	-	-	-	4,491	-	2,000
7820 Office furniture & equipment	810	-	2,360	2,030	1,549	500
7830 Pumping equipment	-	-	-	1,000	-	500
7899 Other minor tools & equipment	30,626	30,379	80,181	59,980	12,638	17,228
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>813,760</b>	<b>903,005</b>	<b>824,985</b>	<b>1,246,843</b>	<b>1,044,043</b>	<b>1,005,692</b>
	<b>1,277,117</b>	<b>1,334,659</b>	<b>1,268,199</b>	<b>1,690,118</b>	<b>1,457,608</b>	<b>1,460,854</b>





Department Responsibility: **Rene Mariscal**

Title: **Water Resource Manager**

Telephone Ext: **6256**

Dept. No: **3135**

## PERFORMANCE MEASURES FOR THE RESACA MAINTENANCE DEPARTMENT

### Department Function:

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

### Department Goals/Objectives:

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

### INPUT MEASURES

Employees (FTE's)

Total O&M Expenses

### OUTPUT MEASURES

Sediment Dredged (cu-yd)

### OUTCOME MEASURES

Compliance With Environmental Standards

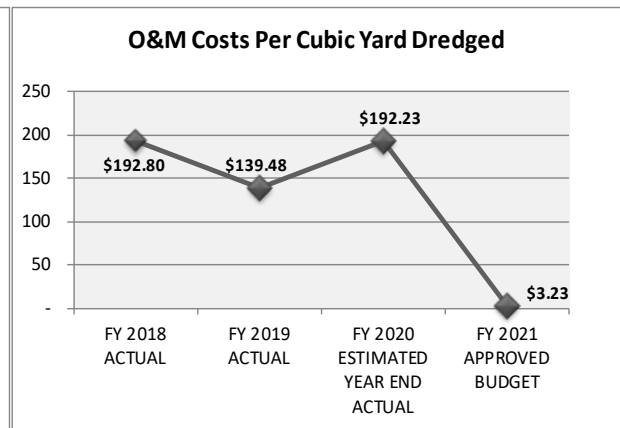
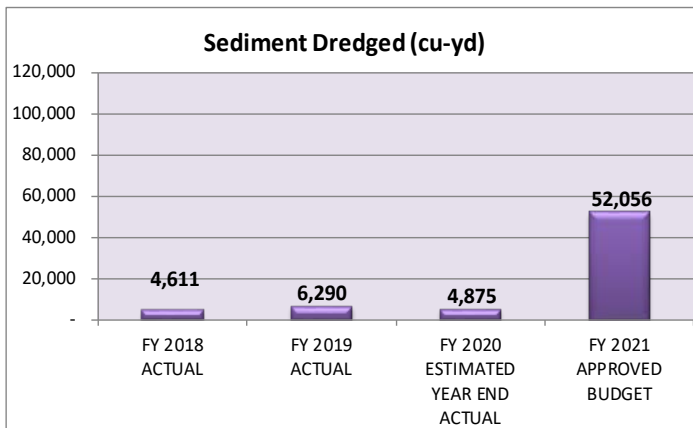
Completion of Oper. Reports Within 10 Days (%)

Raw Water Storage Capacity Gained (acre-ft)

### EFFICIENCY MEASURES

O&M Costs Per Cubic Yard Dredged

FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
9	9	9	12
\$ 889,011	\$ 877,325	\$ 937,119	\$ 167,995
4,611	6,290	4,875	52,056
Yes	Yes	Yes	Yes
100%	100%	100%	100%
3	4	3	32
\$ 192.80	\$ 139.48	\$ 192.23	\$ 3.23





## DEPARTMENT 3135 – RESACA MAINTENANCE

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 138,938	\$ 140,005	\$ 140,543	\$ 140,005	\$ 109,798	\$ 138,674
6105 Administrative Staff	819	1,630	-	-	-	-
6110 Clerical staff	20,807	23,862	23,556	28,662	23,485	29,598
6115 Operational staff	150,714	198,915	194,062	201,490	210,340	205,816
6130 Overtime	9,799	9,629	10,348	10,010	14,403	21,971
6201 T.M.R.S.	56,551	68,805	65,289	64,666	63,723	66,326
6205 F.I.C.A.	18,543	22,252	21,260	21,579	21,040	23,193
6206 Suta	-	-	1,841	-	-	-
6210 Medicare	4,337	5,204	4,972	5,367	4,921	5,424
6214 Dental Insurance	2,014	2,454	4,153	5,609	4,535	5,408
6215 Hospitalization insurance	67,259	80,984	78,437	93,037	84,111	102,178
6220 Life Insurance	439	437	354	447	320	450
6221 Long Term Disability Insurance	835	308	523	740	647	748
6225 Workers Compensation	8,069	9,634	9,213	9,254	9,177	9,352
6230 Vacation leave	(7,227)	(948)	5,499	4,726	4,695	4,777
6235 Sick leave	(3,224)	(13,563)	(8,008)	5,199	(13,352)	5,256
6260 Vacancy Savings	-	-	-	(28,543)	-	(18,704)
6266 RESTORE Offset-Personnel	-	-	-	(301,770)	-	(502,920)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>468,672</i>	<i>549,608</i>	<i>552,042</i>	<i>260,479</i>	<i>537,842</i>	<i>97,547</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	31	100	-	100
7110 Dues & memberships	686	907	545	500	743	884
7120 Office supplies	744	499	940	500	251	500
7130 Postage/shipping charges	-	407	26	100	50	100
7140 Training expenses	200	1,400	1,240	1,800	960	1,000
7145 Travel expenses	4,059	3,951	(97)	4,000	3,645	500
7180 Utilities - departmental	10,206	10,516	11,332	14,000	12,387	14,000
7203 Sand, Caliche, Gravel, Concrete etc	2,461	14,871	5,630	9,000	-	9,000
7225 Safety supplies	1,834	2,709	9,509	3,000	5,759	5,000
7293 Chemicals - other	-	-	45,908	82,009	44,712	100,000
7299 Other materials & supplies	31,847	52,933	55,201	30,000	59,325	150,000
7315 Food, meals, ice, water	112	335	301	300	198	300
7325 Rental of equip/storage/land	2,365	10,003	9,945	20,000	4,895	20,000
7335 Wearing apparel & dry goods	6,970	8,075	-	-	1,125	250,000
7415 Fuels & lubricants	25,783	24,040	4,354	2,513	9,284	3,590
7505 Maint. of communication equipment	-	-	-	-	36	-
7581 Maint. of resacas	2,808	660	9,546	36,100	1,090	149,746
7601 Legal Fees	-	63,408	1,254	1,000	32,886	1,500
7605 Engineering fees	15,475	43,350	27,563	30,000	8,000	30,000
7630 Construction contractor services	-	-	52,200	20,000	-	735,752
7645 Maintenance services	742	38,108	-	-	201,062	-
7655 Hauling Services	-	-	65,886	6,000	-	20,000
7696 RESTORE Offset-Nonpersonnel	-	-	-	-	-	-
7699 Other services	10,952	28,980	-	(133,341)	10,230	(1,447,449)
7801 Communication equipment	-	-	15,558	25,000	457	14,000
7805 Computer equipment	-	-	3,380	7,000	327	7,000
7820 Office furniture & equipment	-	858	-	5,616	-	2,000
7830 Pumping equipment	573	32,667	-	-	1,237	-
7835 Tools, shop and garage equipment	78	724	4,650	8,000	617	2,000
7899 Other minor tools & equipment	937	-	380	300	-	925
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>118,832</i>	<i>339,403</i>	<i>325,283</i>	<i>173,497</i>	<i>399,277</i>	<i>70,448</i>
	<b>587,504</b>	<b>889,011</b>	<b>877,325</b>	<b>433,976</b>	<b>937,119</b>	<b>167,995</b>





Department Responsibility: **Rene Mariscal**

Title: **Water Resource Manager**

Telephone Ext: **6256**

Dept. No: **3140**

## PERFORMANCE MEASURES FOR THE RAW WATER SUPPLY DEPARTMENT

### Department Function:

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

### Department Goals/Objectives:

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

### INPUT MEASURES

Employees (FTE's)

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)

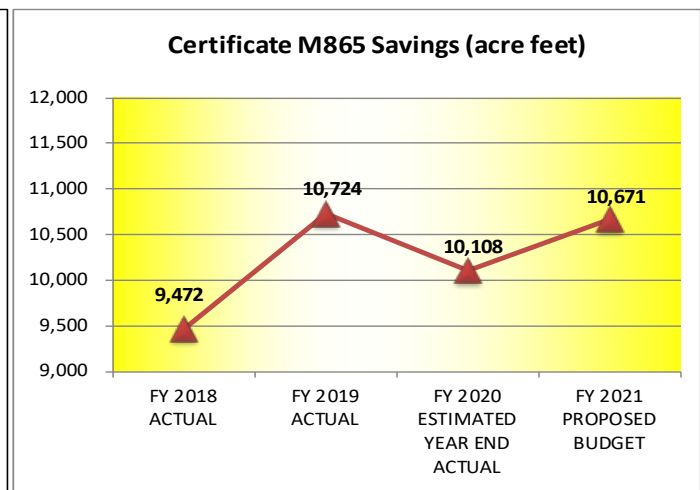
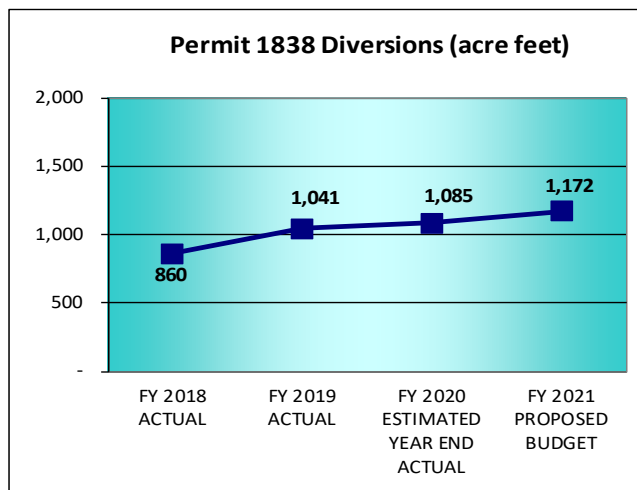
### OUTCOME MEASURES

Permit 1838 Diversions (acre feet)

### EFFICIENCY MEASURES

Certificate M865 Savings (acre feet)

FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 PROPOSED BUDGET
4	4	4	4
\$ 833,141	\$ 513,911	\$ 710,236	\$ 713,926
31,510	31,510	31,510	32,080
22,311	21,433	22,065	21,936
4,281	5,100	5,535	4,912
22,038	20,786	21,402	21,409
860	1,041	1,085	1,172
9,472	10,724	10,108	10,671.00





## DEPARTMENT 3140 – RAW WATER SUPPLY

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6115 Operational staff	\$ 125,843	\$ 119,374	\$ 120,436	\$ 126,797	\$ 146,843	\$ 141,461
6130 Overtime	7,316	7,321	4,267	6,492	9,993	5,917
6201 T.M.R.S.	23,358	23,326	22,618	22,151	27,396	25,081
6205 F.I.C.A.	7,684	7,603	7,565	7,861	9,138	8,771
6210 Medicare	1,797	1,778	1,769	1,839	2,137	2,051
6214 Dental Insurance	1,075	959	1,745	2,261	2,258	2,462
6215 Hospitalization insurance	32,892	30,334	29,876	33,401	41,036	47,160
6220 Life Insurance	182	142	127	160	140	176
6221 Long Term Disability Insurance	329	104	174	254	274	283
6225 Workers Compensation	3,300	3,267	3,192	3,170	3,921	3,537
6230 Vacation leave	(160)	(84)	3,362	1,619	1,205	1,806
6235 Sick leave	3,155	(3,011)	7,566	1,781	(8,805)	1,988
6260 Vacancy Savings	-	-	-	(9,895)	-	(7,073)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>206,772</b>	<b>191,112</b>	<b>202,698</b>	<b>197,891</b>	<b>235,538</b>	<b>233,619</b>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	76	100	59	50
7110 Dues & memberships	296	411	668	750	397	550
7120 Office supplies	624	473	570	1,000	464	800
7130 Postage/shipping charges	-	-	37	100	14	50
7140 Training expenses	1,900	1,755	1,585	1,134	1,121	1,134
7145 Travel expenses	393	440	150	256	20	256
7180 Utilities - departmental	144,857	148,069	129,765	165,000	116,148	135,000
7190 Utilities - CP&L & Mvec	889	744	392	950	495	950
7203 Sand, Caliche, Gravel, Concrete etc	5,598	3,553	11,414	15,000	10,515	11,000
7225 Safety supplies	954	912	1,226	1,400	1,345	1,400
7251 Purchased of Raw Water	41,913	31,703	26,750	50,000	27,778	40,000
7285 Chemicals - copper sulphate	-	3,935	3,415	5,000	3,532	4,000
7293 Chemicals - other	-	191	52	500	-	200
7299 Other materials & supplies	8,226	3,603	7,435	10,000	4,208	10,000
7315 Food, meals, ice, water	106	239	209	300	54	200
7325 Rental of equip/storage/land	160	189,736	-	85,000	3,819	5,000
7335 Wearing apparel & dry goods	2,210	2,561	1,819	1,500	465	1,400
7415 Fuels & lubricants	9,763	57,986	4,965	8,000	4,318	6,000
7501 Maint. of buildings & structures	-	-	225	-	-	-
7580 Maint. of reservoirs	9,634	109,900	2,752	125,000	94,879	146,000
7581 Maint. of resacas	773	6,117	19,346	100,000	130,491	25,000
7605 Engineering fees	30,670	36,362	33,849	50,000	5,114	30,000
7645 Maintenance services	16,569	450	37,133	6,000	5,293	6,000
7699 Other services	873	41,560	22,147	50,000	62,891	50,000
7805 Computer equipment	20	-	-	2,100	-	700
7820 Office furniture & equipment	135	383	320	550	-	117
7830 Pumping equipment	1,982	250	4,060	5,000	216	3,500
7835 Tools, shop and garage equipment	836	425	626	1,000	772	700
7899 Other minor tools & equipment	374	272	229	1,000	292	300
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>279,754</b>	<b>642,029</b>	<b>311,213</b>	<b>686,640</b>	<b>474,698</b>	<b>480,307</b>
	<b>486,526</b>	<b>833,141</b>	<b>513,911</b>	<b>884,531</b>	<b>710,236</b>	<b>713,926</b>





Department Responsibility: Armando Garcia  
 Title: W/WW Operation & Maintenance Area Manager  
 Telephone Ext: 6386  
 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.

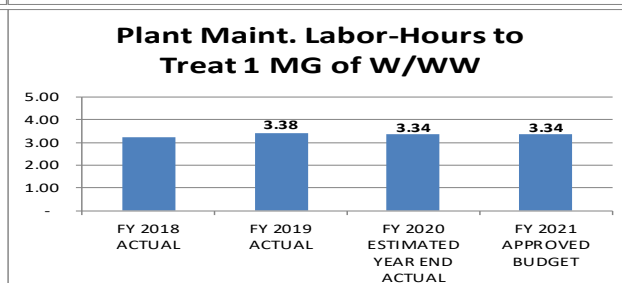
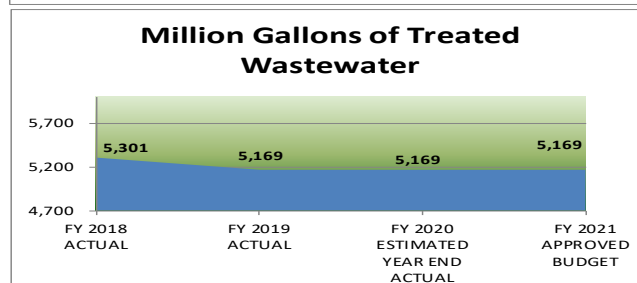
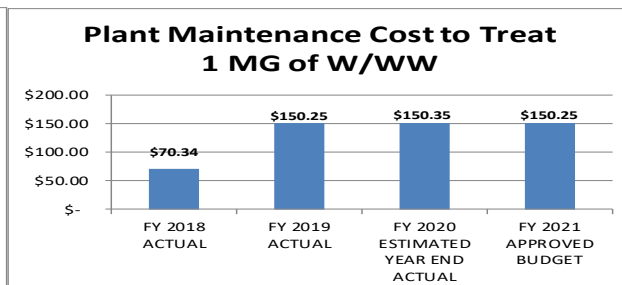
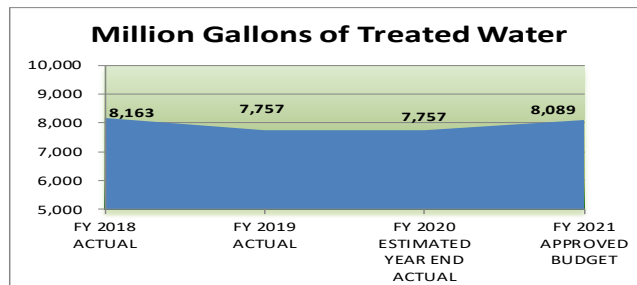
**Department Goals/Objectives:**

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 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
<b>INPUT MEASURES</b>				
O&M Expenditures	\$ 1,757,464	\$ 1,646,760	\$ 1,139,364	\$ 1,322,342
Labor-Hours	43,680	43,680	43,680	43,680
Overtime labor factor	13	13	13	13
<b>OUTPUT MEASURES</b>				
Million Gallons of Treated Water	8,163	7,757	7,757	8,089
Thousands of Customers Served (water)	50	51	51	51
Million Gallons of Treated Wastewater	5,301	5,169	5,169	5,169
Thousands of Customers Served (wastewater)	50	51	51	51
<b>OUTCOME MEASURES</b>				
Maintenance-related TCEQ NOV (water)	0	0	0	0
Maintenance-related TCEQ NOV (wastewater)	0	0	0	0
Water Plant PM Status**	37	38	39	36
Wastewater Plant PM Status**	37	38	39	36
<b>EFFICIENCY MEASURES</b>				
Plant Maintenance Cost Per Customer/ Year	\$ 189.42	\$ 380.81	\$ 378.00	\$ 389.00
Plant Maint. Labor-Hours Per Customer/Yr	0.87	0.86	0.84	0.85
Plant Maintenance Cost to Treat 1 MG of W/WW	\$ 70.34	\$ 150.25	\$ 150.35	\$ 150.25
Plant Maint. Labor-Hours to Treat 1 MG of W/WW	3.24	3.38	3.34	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 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 62,045	\$ 61,939	\$ 43,171	\$ 51,064	\$ 48,255	\$ 57,886
6105 Administrative Staff	50,629	51,688	31,808	-	-	-
6115 Operational staff	401,965	434,241	387,783	379,496	336,611	408,893
6130 Overtime	78,087	62,185	40,850	72,630	34,975	72,612
6201 T.M.R.S.	104,182	109,102	99,885	75,219	74,504	76,998
6205 F.I.C.A.	34,546	35,592	32,843	26,695	24,354	26,926
6206 Suta	-	-	-	-	1,872	-
6210 Medicare	8,079	8,324	7,681	6,243	5,696	6,297
6214 Dental Insurance	3,170	3,418	5,931	7,386	6,089	9,408
6215 Hospitalization insurance	104,776	114,359	107,878	116,929	103,613	160,896
6220 Life Insurance	694	626	458	529	357	536
6221 Long Term Disability Insurance	1,326	451	644	861	714	869
6225 Workers Compensation	14,770	15,260	14,135	10,764	10,690	10,857
6230 Vacation leave	2,220	134	646	5,497	12,475	5,961
6235 Sick leave	14,093	(1,065)	(20,467)	6,047	11,815	6,558
6260 Vacancy Savings	-	-	-	(33,759)	-	(23,339)
<i>O&amp;M PERSONNEL TOTAL</i>	880,583	896,254	753,246	725,602	672,022	821,358
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	-	-	-
7110 Dues & memberships	758	1,385	454	650	836	650
7120 Office supplies	3,145	3,044	1,058	3,000	174	3,000
7130 Postage/shipping charges	935	39	54	150	7	150
7140 Training expenses	1,301	1,497	1,360	1,344	4,411	1,344
7145 Travel expenses	574	2,804	304	640	378	640
7225 Safety supplies	10,618	5,133	6,327	15,000	6,141	10,000
7299 Other materials & supplies	92,926	111,858	114,878	100,000	20,365	40,000
7315 Food, meals, ice, water	250	318	535	800	273	800
7325 Rental of equip/storage/land	2,559	5,940	8,102	18,000	13,860	10,000
7335 Wearing apparel & dry goods	5,206	6,160	4,917	4,400	2,471	4,000
7415 Fuels & lubricants	20,149	21,444	23,733	24,600	15,737	15,000
7645 Maintenance services	319,454	677,961	719,178	671,000	400,297	400,000
7801 Communication equipment	-	-	-	-	-	-
7820 Office furniture & equipment	550	-	500	400	-	400
7835 Tools, shop and garage equipment	15,523	6,499	6,270	10,000	1,529	5,000
7899 Other minor tools & equipment	6,121	17,127	5,843	15,400	862	10,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	480,070	861,210	893,514	865,384	467,342	500,984
	1,360,653	1,757,464	1,646,760	1,590,986	1,139,364	1,322,342





**Department Responsibility:** Armando Garcia

**Title:** W/WW Operation & Maintenance Area Manager

**Telephone Ext:** 6386

**Dept. No:** 3150

**PERFORMANCE MEASURES  
FOR THE  
WATER/WASTEWATER CONSTRUCTION & OPERATIONS 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 per year-September.

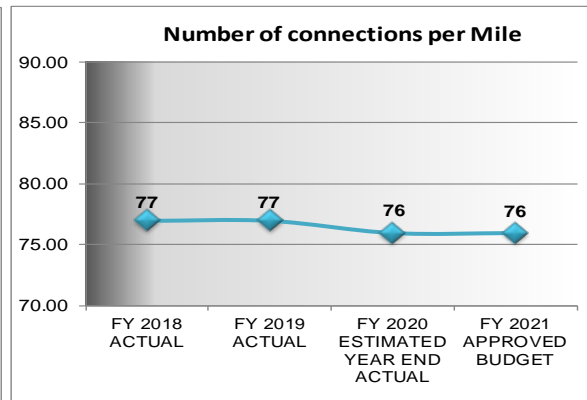
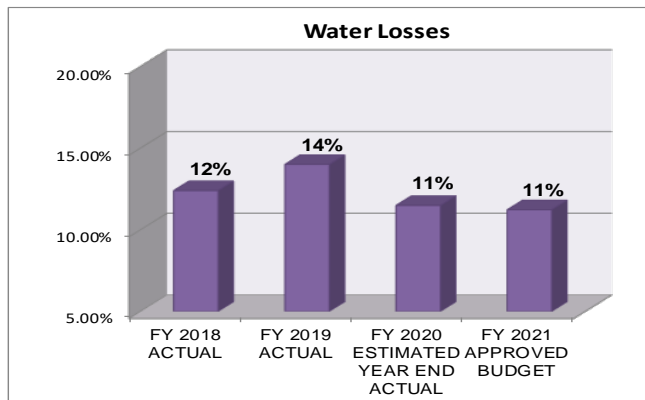
**OUTCOME MEASURES**

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 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
67	68	35	35
\$ 5,255,239	\$ 5,436,217	\$ 4,631,566	\$ 3,445,360
1,308	1,345	1,378	1,411
16,400	17,448	22,023	23,641
7,804	8,967	13,576	14,589
\$ 175,000	\$ 240,000	\$ 135,602	\$ 140,426
2,357	2,622	1,574	1,797
469	441	348	387
100,637	103,565	104,070	104,752
YES	YES	YES	YES
90min.	90min.	90min.	90min.
12%	14%	11.49%	11.23%
77	77	76	76
\$ 3,051,903	\$ 3,397,538	\$ 3,358,362	\$ 3,369,855
10	10	10	10
\$ 3,272	\$ 3,272	\$ 3,272	\$ 3,272





## DEPARTMENT 3150 – WATER/WASTEWATER OPERATIONS & CONSTRUCTION

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 178,158	\$ 187,039	\$ 191,450	\$ 161,963	\$ 170,363	\$ 154,630
6110 Clerical staff	75,960	80,490	103,567	91,437	84,154	66,622
6115 Operational staff	1,439,524	1,532,315	1,562,667	1,794,811	1,272,239	1,269,582
6130 Overtime	194,417	276,479	263,647	255,039	230,931	135,602
6201 T.M.R.S.	336,154	370,355	432,688	357,823	357,547	263,497
6205 F.I.C.A.	113,145	123,038	127,747	126,989	106,531	92,142
6206 Suta	12,763	-	1,987	-	4,950	-
6210 Medicare	26,461	28,775	29,876	29,699	24,914	21,549
6214 Dental Insurance	14,152	14,186	26,227	36,516	23,733	24,744
6215 Hospitalization insurance	408,095	419,358	475,180	586,818	406,352	431,371
6220 Life Insurance	2,425	2,162	1,992	2,592	1,493	1,851
6221 Long Term Disability Insurance	4,428	1,522	2,746	4,097	2,854	2,972
6225 Workers Compensation	48,291	52,664	55,567	51,205	46,024	37,154
6230 Vacation leave	42,490	3,959	6,916	26,151	(22,124)	19,038
6235 Sick leave	50,411	2,580	4,533	28,768	(100,184)	20,946
6250 Miscellaneous personnel benefits	-	-	878	-	-	-
6260 Vacancy Savings	-	-	-	(156,804)	-	(74,542)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>2,946,876</i>	<i>3,094,921</i>	<i>3,287,670</i>	<i>3,397,103</i>	<i>2,609,778</i>	<i>2,467,160</i>
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	1,562	3,426	2,344	2,500	1,690	1,300
7120 Office supplies	6,270	7,431	5,965	5,000	3,638	2,500
7130 Postage/shipping charges					28	
7140 Training expenses	6,685	5,882	3,308	4,536	3,962	1,500
7145 Travel expenses	2,782	1,593	681	2,240	133	500
7180 Utilities - departmental	35,153	34,878	36,756	40,000	34,862	20,500
7201 Barricades & signs	6,266	4,294	1,844	7,500	5,510	2,000
7203 Sand, Caliche, Gravel, Concrete etc	136,201	152,144	39,587	205,000	26,738	32,000
7210 Landscaping/Trade a Tree Program	4,402	3,423	3,463	4,000	1,413	2,000
7215 Laundry & janitorial supplies	-	33	-	250	35	100
7225 Safety supplies	21,809	31,436	35,324	40,000	58,182	19,500
7293 Chemicals - other	1,972	3,312	1,399	4,000	2,968	2,000
7299 Other materials & supplies	399,988	402,290	448,454	400,000	436,968	225,000
7315 Food, meals, ice, water	1,813	1,567	2,605	2,500	1,334	1,600
7325 Rental of equip/storage/land	21,800	3,925	12,159	15,000	42,612	10,000
7335 Wearing apparel & dry goods	27,671	32,031	25,131	28,000	15,454	8,000
7415 Fuels & lubricants	125,572	156,557	144,896	150,000	131,755	75,000
7501 Maint. of buildings & structures	8,455	2,731	8,975	8,500	1,495	2,000
7505 Maint. of communication equipment	22	97	1,387	1,000	82	750
7515 Maint. of major equipment	-	20	-	5,000	1,607	1,500
7520 Maint. of minor equipment	3,664	1,465	1,924	4,000	1,791	1,000
7575 Maint. of water meters	268,530	384,533	333,872	425,000	397,698	-
7577 Maint. of distribution mains	111,944	77,903	83,423	100,000	70,510	45,000
7585 Maint. of sewer force mains	4,073	4,243	557	50,000	1,618	10,000
7586 Maint. of sewer gravity lines	18,860	61,125	40,809	80,000	50,021	50,000
7599 Maintenance / other	19,736	11,583	867	15,000	187	1,000
7630 Construction contractor services	315,769	282,095	346,143	357,000	287,016	177,000
7635 Software maintenance service fees	-	-	-	500	-	1,750
7645 Maintenance services	209	-	400	355,000	75,904	70,000
7655 Hauling Services	103,585	77,306	141,694	112,000	66,895	50,000
7699 Other services	430,940	273,446	297,131	342,000	209,735	100,000
7801 Communication equipment	21,103	2,718	12,346	18,000	14,215	2,000
7805 Computer equipment	2,006	-	418	3,400	798	2,700
7820 Office furniture & equipment	-	-	279	-	-	-
7899 Other minor tools & equipment	107,110	136,832	114,407	175,000	74,936	60,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>2,215,954</i>	<i>2,160,318</i>	<i>2,148,547</i>	<i>2,961,926</i>	<i>2,021,788</i>	<i>978,200</i>
	<b>5,162,830</b>	<b>5,255,239</b>	<b>5,436,217</b>	<b>6,359,029</b>	<b>4,631,566</b>	<b>3,445,360</b>





Department Responsibility: **Jose Garza**

Title: **W/WW Maintenance & Operations Manager**

Telephone Ext: **6350**

Dept. No: **3155**

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

**Department Function:**

The Water/Wastewater Maintenance & Operation Department is responsible for the operations 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 Maintenance & Operation 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**

Total number of Water Meters installed  
Total number of Water Meters Tested  
Number of W/WW Service Connections

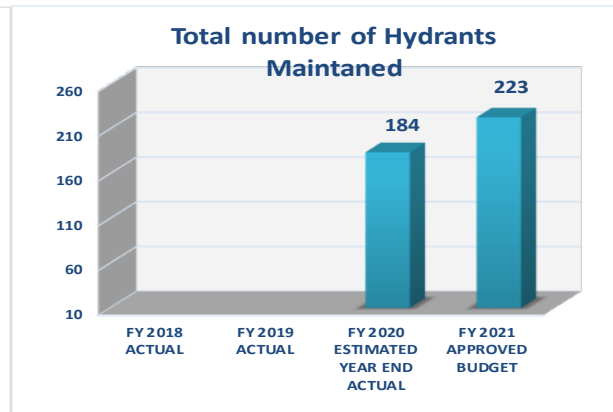
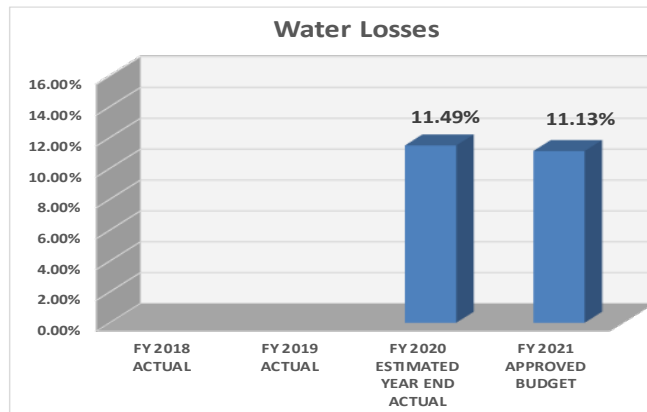
**OUTCOME MEASURES**

Ongoing Maintenance  
Average Response Time Per Call  
Water Losses  
Total number of Hydrants Maintained

**EFFICIENCY MEASURES**

Cost per 3/4" x 5/8" meter  
Turnaround Time Per New Connection (days)  
Average Cost per Customer per W/WW Connection

FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
-	-	32	32
\$ -	\$ -	\$ 844,723	\$ 2,861,717
-	-	1,378	1,378
-	-	7,864	7,864
-	-	7,560	7,560
\$ -	\$ -	\$ 135,600	\$ 135,600
-	-	4,136	4,136
-	-	4,549	4,549
-	-	749	749
		YES	YES
		90min	90min
		11.49%	11.13%
		184	223
\$ -	\$ -	\$ 58	\$ 58
-	-	15	15
\$ -	\$ -	\$ 4,858	\$ 4,858





## DEPARTMENT 3155 – WATER/WASTEWATER MAINTENANCE & OPERATIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ -	\$ -	\$ -	\$ -	\$ 99,538	\$ 123,947
6110 Clerical staff	-	-	-	-	12,477	27,789
6115 Operational staff	-	-	-	-	275,373	957,133
6130 Overtime	-	-	-	-	34,387	135,600
6140 Severance Pay	-	-	-	-	3,299	-
6201 T.M.R.S.	-	-	-	-	88,197	196,602
6205 F.I.C.A.	-	-	-	-	25,512	68,750
6210 Medicare	-	-	-	-	5,966	16,079
6214 Dental Insurance	-	-	-	-	5,842	18,320
6215 Hospitalization insurance	-	-	-	-	103,382	322,472
6220 Life Insurance	-	-	-	-	382	1,389
6221 Long Term Disability Insurance	-	-	-	-	733	2,218
6225 Workers Compensation	-	-	-	-	11,608	27,722
6230 Vacation leave	-	-	-	-	77,081	14,160
6235 Sick leave	-	-	-	-	100,949	15,580
6260 Vacancy Savings	-	-	-	-	-	(55,443)
<i>O&amp;M PERSONNEL TOTAL</i>	-	-	-	-	844,723	1,872,317
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	-	-	-	-	-	1,000
7120 Office supplies	-	-	-	-	-	2,000
7130 Postage/shipping charges	-	-	-	-	-	-
7140 Training expenses	-	-	-	-	-	1,500
7145 Travel expenses	-	-	-	-	-	500
7180 Utilities - departmental	-	-	-	-	-	20,000
7201 Barricades & signs	-	-	-	-	-	2,000
7203 Sand, Caliche, Gravel, Concrete etc	-	-	-	-	-	30,000
7210 Landscaping/Trade a Tree Program	-	-	-	-	-	2,000
7215 Laundry & janitorial supplies	-	-	-	-	-	100
7225 Safety supplies	-	-	-	-	-	20,000
7293 Chemicals - other	-	-	-	-	-	2,000
7299 Other materials & supplies	-	-	-	-	-	150,000
7315 Food, meals, ice, water	-	-	-	-	-	1,600
7325 Rental of equip/storage/land	-	-	-	-	-	10,000
7335 Wearing apparel & dry goods	-	-	-	-	-	5,000
7415 Fuels & lubricants	-	-	-	-	-	50,000
7501 Maint. of buildings & structures	-	-	-	-	-	2,000
7505 Maint. of communication equipment	-	-	-	-	-	750
7515 Maint. of major equipment	-	-	-	-	-	2,500
7520 Maint. of minor equipment	-	-	-	-	-	1,000
7575 Maint. of water meters	-	-	-	-	-	250,000
7577 Maint. of distribution mains	-	-	-	-	-	40,000
7585 Maint. of sewer force mains	-	-	-	-	-	-
7586 Maint. of sewer gravity lines	-	-	-	-	-	-
7599 Maintenance / other	-	-	-	-	-	1,000
7630 Construction contractor services	-	-	-	-	-	125,000
7635 Software maintenance service fees	-	-	-	-	-	1,750
7645 Maintenance services	-	-	-	-	-	50,000
7655 Hauling Services	-	-	-	-	-	50,000
7699 Other services	-	-	-	-	-	100,000
7801 Communication equipment	-	-	-	-	-	15,000
7805 Computer equipment	-	-	-	-	-	2,700
7899 Other minor tools & equipment	-	-	-	-	-	50,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	-	-	-	-	-	989,400
	-	-	-	-	844,723	2,861,717





Department Responsibility: **Armando Garcia**  
 Title: **Potable Water Transport Services**  
 Telephone Ext: **6386**  
 Dept. No: **3160**

**PERFORMANCE MEASURES**  
**FOR THE**  
**Potable Water Transport Service**

**Department Function:**

The transporting and hauling of potable water for special projects and or emergency responds support.

**Department Goals/Objectives:**

To effectively provide and maintain high quality service for Brownsville PUB internal and external customers. To provide potable water by enhancing reliability, responsiveness, and total commitment to the safe delivery of quality services to our customers.

**INPUT MEASURES**

	FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
Employees	N/A	N/A	2	2
Total O&M Expenses	\$ -	\$ -	\$ 21,345	\$ 136,750
Fuel Cost	\$ -	\$ -	\$ 1.50	\$ 1.50
Overtime Expenses	\$ -	\$ -	\$ 10,000	\$ 10,000

**OUTPUT MEASURES**

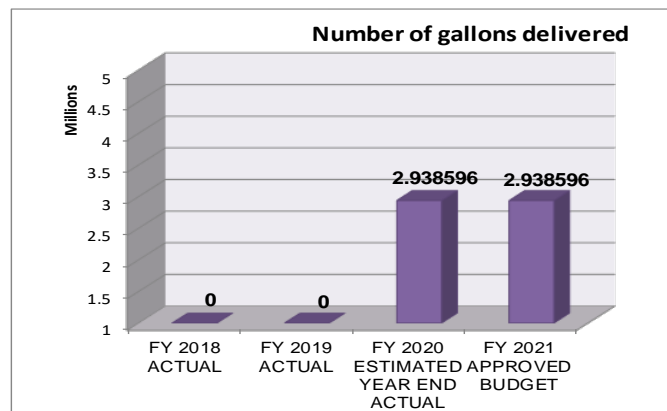
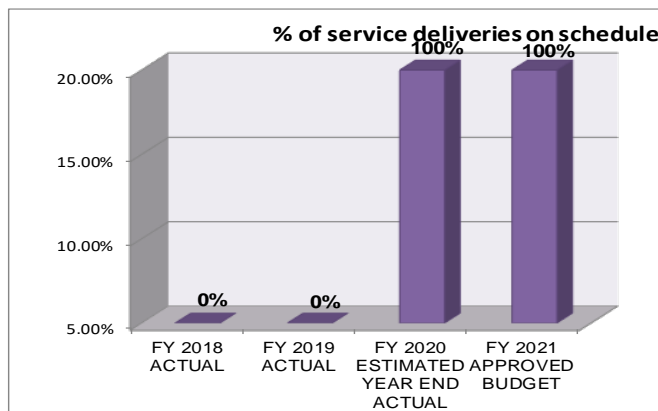
Number of gallons delivered	-	-	2,938,596	2,938,596
Number of service request	-	-	156	156

**OUTCOME MEASURES**

Compliance with state & Federal Reuulations	N/A	N/A	YES	YES
Operate within approved Budget	0%	0%	100%	100%
% of service deliveries on schedule	N/A	N/A	YES	YES
	0%	0%	100%	100%

**EFFICIENCY MEASURES**

O & M Cost per 1,000 gallons	\$ -	\$ -	\$ 1.40	\$ 1.40
Cost to customer per 1000 gallons	\$ -	\$ -	\$ 0.06	\$ 0.06





## DEPARTMENT 3160 – POTABLE WATER TRANSPORT SERVICES

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6115 Operational staff	-	-	-	-	\$ 9,106	\$ 66,206
6130 Overtime	-	-	-	-	1,557	10,017
6201 T.M.R.S.	-	-	-	-	1,858	11,738
6205 F.I.C.A.	-	-	-	-	648	4,105
6210 Medicare	-	-	-	-	152	960
6214 Dental Insurance	-	-	-	-	109	968
6215 Hospitalization insurance	-	-	-	-	2,142	19,019
6220 Life Insurance	-	-	-	-	7	83
6221 Long Term Disability Insurance	-	-	-	-	14	132
6225 Workers Compensation	-	-	-	-	267	1,655
6230 Vacation leave	-	-	-	-	3,890	845
6235 Sick leave	-	-	-	-	1,596	930
6260 Vacancy Savings	-	-	-	-	-	(3,310)
<i>O&amp;M PERSONNEL TOTAL</i>	-	-	-	-	21,345	113,350
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	-	-	-	-	-	1,200
7120 Office supplies	-	-	-	-	-	-
7140 Training expenses	-	-	-	-	-	600
7145 Travel expenses	-	-	-	-	-	600
7180 Utilities - departmental	-	-	-	-	-	-
7201 Barricades & signs	-	-	-	-	-	-
7203 Sand, Caliche, Gravel, Concrete etc	-	-	-	-	-	-
7210 Landscaping/Trade a Tree Program	-	-	-	-	-	-
7215 Laundry & janitorial supplies	-	-	-	-	-	-
7225 Safety supplies	-	-	-	-	-	1,000
7293 Chemicals - other	-	-	-	-	-	2,000
7299 Other materials & supplies	-	-	-	-	-	5,000
7315 Food, meals, ice, water	-	-	-	-	-	-
7325 Rental of equip/storage/land	-	-	-	-	-	2,000
7335 Wearing apparel & dry goods	-	-	-	-	-	500
7415 Fuels & lubricants	-	-	-	-	-	5,000
7501 Maint. of buildings & structures	-	-	-	-	-	-
7505 Maint. of communication equipment	-	-	-	-	-	-
7515 Maint. of major equipment	-	-	-	-	-	3,000
7520 Maint. of minor equipment	-	-	-	-	-	500
7575 Maint. of water meters	-	-	-	-	-	-
7577 Maint. of distribution mains	-	-	-	-	-	-
7585 Maint. of sewer force mains	-	-	-	-	-	-
7586 Maint. of sewer gravity lines	-	-	-	-	-	-
7599 Maintenance / other	-	-	-	-	-	-
7630 Construction contractor services	-	-	-	-	-	-
7635 Software maintenance service fees	-	-	-	-	-	-
7645 Maintenance services	-	-	-	-	-	-
7655 Hauling Services	-	-	-	-	-	-
7699 Other services	-	-	-	-	-	-
7801 Communication equipment	-	-	-	-	-	-
7805 Computer equipment	-	-	-	-	-	-
7899 Other minor tools & equipment	-	-	-	-	-	2,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	-	-	-	-	-	23,400
	-	-	-	-	21,345	136,750





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

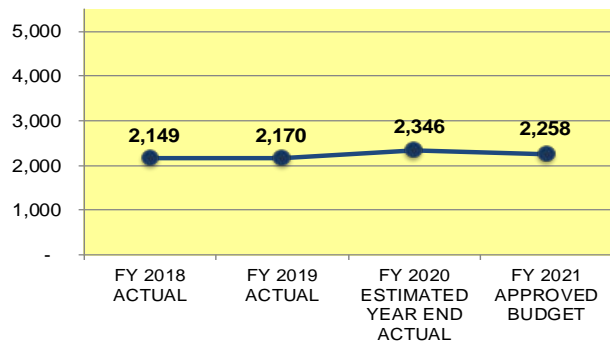
Operate Within Permit Compliance  
Operate Within Approved Budget  
% of CIP Projects Completed on Schedule  
Cost to Treat 1 MGD

### EFFICIENCY MEASURES

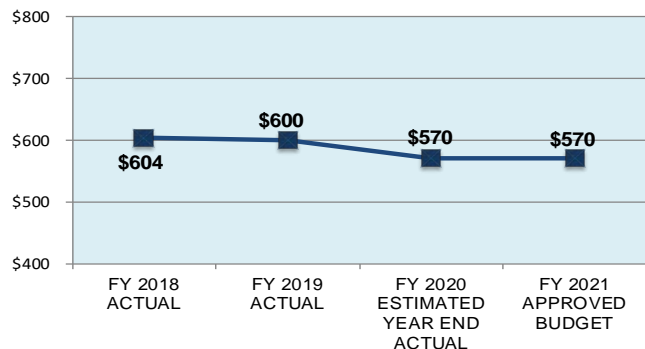
Average CBOD % Removal mg/l  
Average TSS % Removal mg/l

FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
10	9	8	8
\$ 1,297,187	\$ 1,302,325	\$ 1,337,872	\$ 1,287,560
951	1,055	1,152	1,104
2,149,072,000	2,169,631,000	2,346,289,000	2,257,960,000
18	18	18	18
1	1	1	1
12	12	12	12
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
100%	100%	100%	100%
\$ 604	\$ 600	\$ 570	\$ 570
99.0	99.0	99.0	99.0
96.0	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 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 55,474	\$ 55,319	\$ 55,812	\$ 55,598	\$ 57,787	\$ 57,408
6115 Operational staff	249,065	311,908	254,937	241,051	247,731	246,979
6130 Overtime	37,594	36,842	23,215	22,554	28,535	23,579
6201 T.M.R.S.	61,249	72,270	59,487	51,825	58,376	53,968
6205 F.I.C.A.	20,340	24,015	19,917	18,392	19,936	18,872
6210 Medicare	4,757	5,616	4,658	4,301	4,662	4,414
6214 Dental Insurance	2,316	2,716	3,870	4,876	4,223	4,876
6215 Hospitalization insurance	75,881	83,428	69,715	81,034	70,126	82,289
6220 Life Insurance	422	427	306	366	283	372
6221 Long Term Disability Insurance	779	291	443	593	559	609
6225 Workers Compensation	8,670	10,139	8,397	7,416	8,351	7,610
6230 Vacation leave	2,964	1,474	3,222	3,788	4,359	3,887
6235 Sick leave	5,326	8,614	(4,348)	4,166	(24,305)	4,277
6260 Vacancy Savings	-	-	-	(23,273)	-	(15,219)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>524,835</u>	<u>613,058</u>	<u>499,633</u>	<u>472,688</u>	<u>480,623</u>	<u>493,920</u>
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	-	444	111	800	222	400
7120 Office supplies	1,077	726	376	400	717	500
7130 Postage/shipping charges	3,682	3,447	4,141	6,500	7,363	6,500
7140 Training expenses	3,012	2,077	995	1,281	1,006	1,281
7145 Travel expenses	1,111	1,437	183	640	669	640
7180 Utilities - departmental	456,411	433,592	440,922	468,000	483,434	428,000
7201 Barricades & signs	434	33	-	260	-	100
7203 Sand, Caliche, Gravel, Concrete etc	-	282	2,098	-	-	-
7215 Laundry & janitorial supplies	117	225	198	600	531	600
7225 Safety supplies	463	2,000	2,123	1,000	2,504	1,000
7283 Chemicals - chlorine	61,992	55,856	79,704	82,473	69,099	82,473
7288 Chemicals - ferric chloride	-	6,638	-	-	-	-
7293 Chemicals - other	15,876	27,108	29,268	38,087	36,612	38,000
7299 Other materials & supplies	17,113	20,966	8,919	18,000	4,193	18,000
7315 Food, meals, ice, water	401	485	390	750	320	750
7325 Rental of equip/storage/land	3,416	11,459	22,416	7,200	2,221	2,200
7335 Wearing apparel & dry goods	3,526	4,144	3,053	3,345	316	2,925
7415 Fuels & lubricants	21,687	22,424	10,087	13,000	494	1,300
7501 Maint. of buildings & structures	-	-	21,639	215,000	113,538	56,572
7515 Maint. of major equipment	40,171	38,783	144,663	73,272	96,888	80,800
7520 Maint. of minor equipment	703	469	1,271	1,000	-	1,000
7645 Maintenance services	24,573	23,139	10,047	21,740	10,174	36,399
7699 Other services	18,227	13,953	16,892	100,700	11,338	17,600
7801 Communication equipment	-	-	-	-	-	-
7810 Laboratory equipment	5,301	4,808	-	5,000	2,695	5,000
7820 Office furniture & equipment	-	1,588	420	600	602	600
7830 Pumping equipment	-	8,028	2,732	10,000	12,297	10,000
7899 Other minor tools & equipment	1,265	18	45	1,000	14	1,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>680,558</u>	<u>684,129</u>	<u>802,692</u>	<u>1,070,648</u>	<u>857,249</u>	<u>793,640</u>
	<b>1,205,393</b>	<b>1,297,187</b>	<b>1,302,325</b>	<b>1,543,336</b>	<b>1,337,872</b>	<b>1,287,560</b>





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

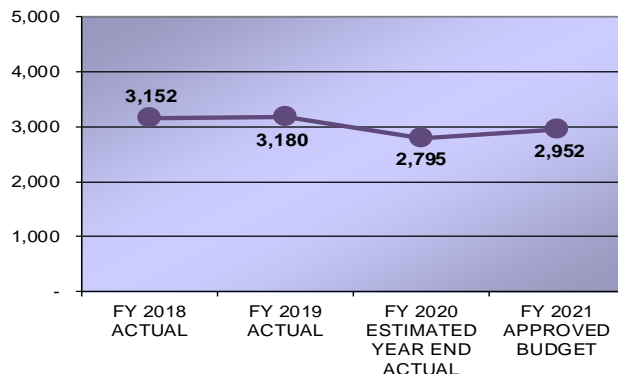
Operate Within Permit Compliance  
Operate Within Approved Budget  
% of CIP Projects Completed on Schedule  
Cost to Treat 1 MGD

#### EFFICIENCY MEASURES

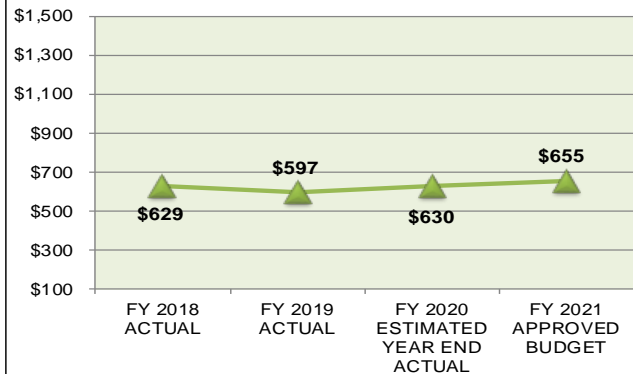
Average CBOD % Removal mg/l  
Average TSS % Removal mg/l

	FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
Employees	17	10	11	11
Total O&M Expenses	\$ 1,983,318	\$1,897,881	\$ 1,760,689	\$ 1,933,777
Dry Tons Sludge to Site	1,155	1,189	982	1,085
Gallons Treated	3,151,817,000	3,180,118,000	2,795,104,000	2,951,611,000
Monthly Reports Produced	18	18	18	18
Annual Statistical Reports	1	1	1	1
Operational Budget Reports Produced	12	12	12	12
Operate Within Permit Compliance	Yes	Yes	Yes	Yes
Operate Within Approved Budget	Yes	Yes	Yes	Yes
% of CIP Projects Completed on Schedule	100%	100%	100%	100%
Cost to Treat 1 MGD	\$ 629	\$ 597	\$ 630	\$ 655
Average CBOD % Removal mg/l	99.0	99.0	99.0	99.0
Average TSS % Removal mg/l	98.0	98.0	98.0	98.0

Millions of Gallons Treated



Cost to Treat 1 MGD





## DEPARTMENT 3220 - ROBINDALE WASTEWATER TREATMENT PLANT

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 144,194	\$ 144,518	\$ 145,032	\$ 144,518	\$ 150,204	\$ 149,219
6110 Clerical staff	33,043	33,453	33,322	32,781	34,387	33,842
6115 Operational staff	470,869	498,610	284,092	271,544	284,240	291,741
6130 Overtime	91,176	131,202	33,427	25,930	38,747	27,839
6201 T.M.R.S.	130,566	144,472	87,844	78,413	88,676	84,182
6205 F.I.C.A.	43,837	48,292	29,773	27,828	30,135	29,438
6206 Suta	-	-	1,486	-	-	-
6210 Medicare	10,252	11,294	6,963	6,508	7,048	6,885
6214 Dental Insurance	4,484	4,547	4,748	5,849	5,280	6,251
6215 Hospitalization insurance	139,969	139,594	90,534	104,221	105,639	127,410
6220 Life Insurance	884	773	449	544	423	570
6221 Long Term Disability Insurance	1,660	549	668	898	865	950
6225 Workers Compensation	18,439	20,211	12,414	11,221	12,703	11,870
6230 Vacation leave	17,968	1,569	(17,224)	5,731	14,284	6,063
6235 Sick leave	56,088	(4,259)	(41,695)	6,304	(19,309)	6,671
6240 Educational assistance	-	-	660	1,000	-	1,000
6260 Vacancy Savings	-	-	-	(34,216)	-	(23,740)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>1,163,430</u>	<u>1,174,827</u>	<u>672,494</u>	<u>689,074</u>	<u>753,321</u>	<u>760,190</u>
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	659	974	318	746	186	346
7120 Office supplies	1,660	1,564	1,409	1,300	769	1,300
7130 Postage/shipping charges	2,502	2,391	2,640	2,500	3,249	3,000
7140 Training expenses	4,554	1,960	2,805	1,596	896	1,596
7145 Travel expenses	1,832	2,092	514	800	1,967	800
7180 Utilities - departmental	494,038	488,576	469,757	514,800	396,461	500,000
7201 Barricades & signs	302	448	-	300	61	100
7203 Sand, Caliche, Gravel, Concrete etc	-	2,274	14,855	-	-	-
7210 Landscaping/Trade a Tree Program	530	-	-	-	-	-
7215 Laundry & janitorial supplies	351	596	196	600	737	600
7225 Safety supplies	3,179	3,601	2,481	2,400	5,922	3,000
7279 Ultraviolet light system expenses	37,308	64,831	277,680	289,313	208,187	250,000
7286 Chemicals - deodorants	-	150	165	-	-	-
7293 Chemicals - other	24,154	30,561	37,620	64,000	45,216	44,000
7299 Other materials & supplies	28,378	28,572	13,040	32,000	15,509	32,000
7315 Food, meals, ice, water	925	1,230	640	800	373	800
7325 Rental of equip/storage/land	2,862	2,852	3,581	7,200	2,781	4,000
7335 Wearing apparel & dry goods	5,010	5,922	3,000	3,345	896	3,345
7415 Fuels & lubricants	8,005	48,519	4,966	15,000	2,071	5,000
7501 Maint. of buildings & structures	-	-	48,699	105,000	16,120	45,000
7515 Maint. of major equipment	28,793	66,762	259,923	117,000	222,843	200,000
7520 Maint. of minor equipment	5,319	778	5,300	7,500	4,818	7,500
7605 Engineering fees	-	-	-	-	-	-
7645 Maintenance services	47,914	29,563	48,732	55,000	23,209	30,500
7655 Hauling Services	-	-	-	-	-	-
7699 Other services	17,300	10,679	12,749	32,600	7,888	17,600
7801 Communication equipment	308	226	-	500	450	500
7805 Computer equipment	-	-	-	-	-	-
7810 Laboratory equipment	6,721	4,806	2,120	5,000	3,178	5,000
7820 Office furniture & equipment	1,662	230	1,494	600	1,076	600
7830 Pumping equipment	22,861	5,823	9,965	12,000	41,268	15,000
7899 Other minor tools & equipment	13,217	2,513	738	2,000	1,239	2,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>760,343</u>	<u>808,491</u>	<u>1,225,387</u>	<u>1,273,900</u>	<u>1,007,368</u>	<u>1,173,587</u>
	<b>1,923,773</b>	<b>1,983,318</b>	<b>1,897,881</b>	<b>1,962,974</b>	<b>1,760,689</b>	<b>1,933,777</b>





**Department Responsibility:** Armando Garcia  
**Title:** W/WW Operation & Maintenance Area Manager  
**Telephone Ext:** 6386  
**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

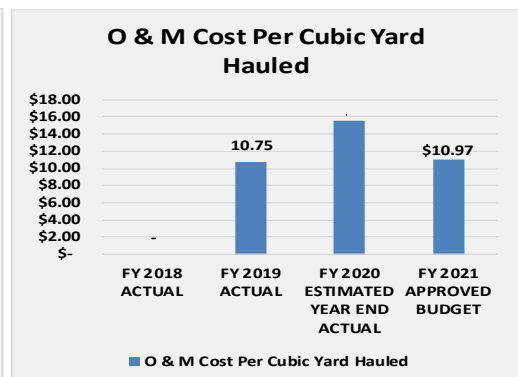
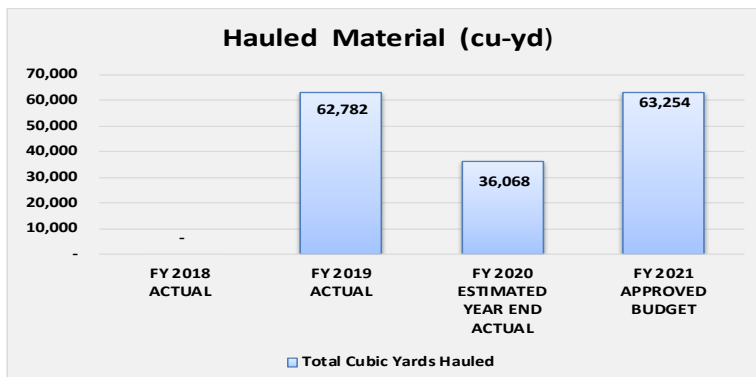
#### OUTCOME MEASURES

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 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
-	8	8	8
\$ -	\$ 675,080	\$ 558,439	\$ 560,411
-	31,598	4,875	32,659
-	8,064	1,913	9,345
-	22,560	22,320	22,625
-	560	-	-
-	62,782	36,068	63,254
-	15	1	13
-	Yes	YES	YES
-	Yes	YES	YES
-	100%	100%	100%
\$ -	\$10.75	\$ 15.48	\$ 10.97





## DEPARTMENT 3225 – WATER/WASTEWATER SLUDGE MANAGEMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6115 Operational staff	\$ -	\$ -	\$ 294,509	\$ 281,486	\$ 276,763	\$ 285,542
6130 Overtime	-	-	64,133	31,667	30,632	31,668
6201 T.M.R.S.	-	-	63,683	49,176	61,267	50,627
6205 F.I.C.A.	-	-	21,014	17,452	20,396	17,704
6210 Medicare	-	-	4,915	4,082	4,770	4,140
6214 Dental Insurance	-	-	3,686	4,723	4,079	4,924
6215 Hospitalization insurance	-	-	74,898	86,022	75,990	91,016
6220 Life Insurance	-	-	290	351	263	354
6221 Long Term Disability Insurance	-	-	414	563	507	571
6225 Workers Compensation	-	-	8,966	7,037	8,737	7,139
6230 Vacation leave	-	-	17,379	3,594	9,477	3,646
6235 Sick leave	-	-	52,743	3,953	7,664	4,012
6260 Vacancy Savings	-	-	-	(22,545)	-	(14,277)
<i>O&amp;M PERSONNEL TOTAL</i>	-	-	606,630	467,562	500,545	487,066
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	-	-	222	455	97	455
7120 Office supplies	-	-	244	240	37	240
7140 Training expenses	-	-	1,041	1,449	120	1,449
7145 Travel expenses	-	-	90	608	138	608
7201 Barricades & signs	-	-	-	290	-	290
7203 Sand, Caliche, Gravel, Concrete etc	-	-	1,482	20,000	-	10,000
7215 Laundry & janitorial supplies	-	-	25	160	-	160
7225 Safety supplies	-	-	402	600	690	600
7288 Chemicals - ferric chloride	-	-	406	-	-	-
7299 Other materials & supplies	-	-	4,337	5,000	2,420	5,000
7315 Food, meals, ice, water	-	-	256	400	130	400
7325 Rental of equip/storage/land	-	-	-	-	-	-
7335 Wearing apparel & dry goods	-	-	3,002	3,343	2,460	3,343
7415 Fuels & lubricants	-	-	54,505	50,000	50,348	50,000
7645 Maintenance services	-	-	-	-	-	-
7805 Computer equipment	-	-	-	-	-	-
7899 Other minor tools & equipment	-	-	2,439	800	1,453	800
<i>O&amp;M NON-PERSONNEL TOTAL</i>	-	-	68,449	83,345	57,894	73,345
	-	-	675,079	550,907	558,439	560,411





Department Responsibility: **Armando Garcia**  
 Title: **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

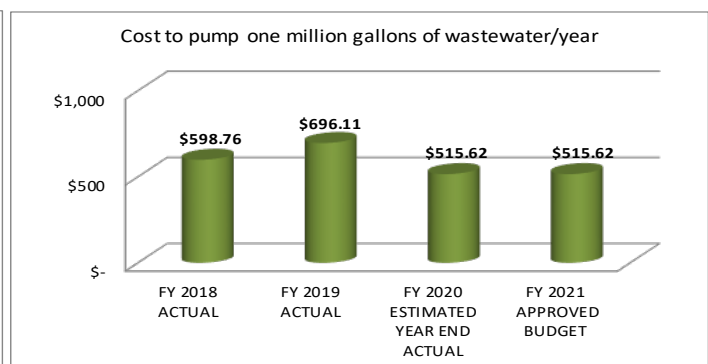
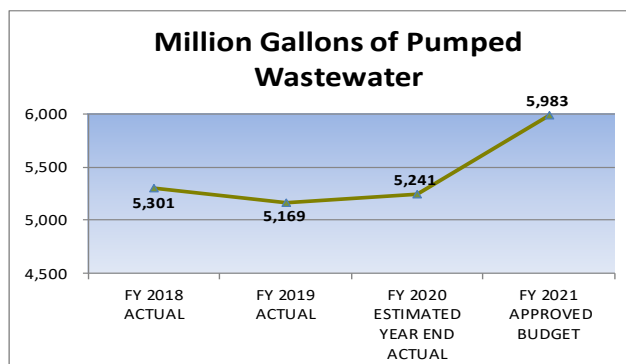
Cost to pump one million gallons of wastewater/year

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 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
O&M expenditures	\$ 3,764,686	\$ 3,813,108	\$ 2,702,365	\$ 2,493,719
Power expenditures	\$ 611,318	\$ 619,365	\$ 623,694	\$ 632,584
Kilo-watt-hour usage	5,551,081	5,551,081	5,551,081	5,551,081
Labor-hours*	66,560	66,560	66,560	66,560
Million gallons of pumped wastewater	5,301	5,169	5,241	5,983
Number of customers served	50,709	51,204	52,956	54,708
Kilo-watt-hours to pump ww from one customer/year	109	108	105	106
Labor-hours to pump ww every 1000 customer/year	1,313	1,300	1,256	1,216
Cost to pump wastewater from one customer/year	\$ 62.59	\$70.27	\$ 51.03	\$ 72.00
Cost to pump one million gallons of wastewater/year	\$ 598.76	\$696.11	\$ 515.62	\$ 515.62
No. of emergency repairs every 1000 customers/year	4.7	3.2	1.3	1.3





## DEPARTMENT 3230 – WASTEWATER LIFT STATIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 138,812	\$ 140,171	\$ 140,710	\$ 140,171	\$ 118,946	\$ 176,696
6110 Clerical staff	26,855	27,702	27,859	27,290	29,385	28,184
6115 Operational staff	992,469	980,454	987,148	1,079,499	723,810	555,568
6130 Overtime	149,429	165,750	174,572	195,091	122,504	195,086
6140 Severance Pay	-	-	-	-	6,542	-
6201 T.M.R.S.	230,412	235,709	245,701	217,844	179,545	134,827
6205 F.I.C.A.	77,582	78,289	80,815	77,312	60,216	47,148
6210 Medicare	18,144	18,310	18,900	18,081	14,083	11,026
6214 Dental Insurance	8,467	8,247	14,216	20,511	12,458	12,282
6215 Hospitalization insurance	251,025	252,730	246,806	311,843	209,925	210,154
6220 Life Insurance	1,599	1,353	1,117	1,534	802	926
6221 Long Term Disability Insurance	2,976	959	1,604	2,494	1,590	1,521
6225 Workers Compensation	32,567	33,302	33,987	31,174	25,508	19,011
6230 Vacation leave	6,604	125	6,079	15,921	(17,667)	9,711
6235 Sick leave	8,691	10,097	10,029	17,514	(146,893)	10,684
6260 Vacancy Savings	-	-	-	(96,388)	-	(38,022)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>1,945,631</b>	<b>1,953,198</b>	<b>1,989,545</b>	<b>2,059,890</b>	<b>1,340,754</b>	<b>1,374,803</b>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	-	-	-
7110 Dues & memberships	2,846	899	1,940	1,000	1,046	1,000
7120 Office supplies	3,987	3,816	4,582	3,500	1,413	2,500
7130 Postage/shipping charges	646	1,245	73	500	122	500
7140 Training expenses	4,250	15,535	6,776	4,431	3,476	2,500
7145 Travel expenses	1,265	1,083	567	2,016	360	2,016
7180 Utilities - departmental	484,203	514,586	528,059	490,000	517,212	400,000
7190 Utilities - CP&L & Mvec	90,665	96,732	91,307	126,000	99,448	100,000
7203 Sand, Caliche, Gravel, Concrete etc	3,808	4,844	2,179	5,200	492	5,200
7210 Landscaping/Trade a Tree Program	-	-	350	-	-	-
7225 Safety supplies	9,811	14,201	8,307	10,000	21,005	10,000
7286 Chemicals - deodorants	8,922	8,286	11,914	16,700	5,362	10,000
7293 Chemicals - other	861,660	411,749	95,723	100,000	-	40,000
7299 Other materials & supplies	86,236	136,368	81,499	90,000	38,650	40,000
7315 Food, meals, ice, water	950	1,004	844	1,100	654	1,100
7325 Rental of equip/storage/land	19,118	20,817	24,581	31,000	46,113	25,000
7335 Wearing apparel & dry goods	13,593	15,748	11,815	13,000	16,460	10,000
7415 Fuels & lubricants	64,581	69,066	58,068	75,000	49,789	45,000
7505 Maint. of communication equipment	182	208	1,020	1,600	1,480	1,600
7525 Maint. of boiler plant	-	-	-	-	-	-
7574 Maintenance of wells	10,870	54,796	111,276	110,000	61,355	50,000
7605 Engineering fees	75,180	40,853	9,794	25,000	-	15,000
7645 Maintenance services	155,262	236,423	556,276	300,000	296,686	200,000
7699 Other services	-	-	-	150,000	-	-
7805 Computer equipment	266	218	-	500	398	500
7820 Office furniture & equipment	963	1,522	1,046	1,000	-	500
7830 Pumping equipment	176,184	133,707	172,763	181,000	155,339	125,000
7835 Tools, shop and garage equipment	1,924	1,345	5,783	4,400	409	1,500
7899 Other minor tools & equipment	16,709	26,436	37,024	50,000	44,341	30,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>2,094,078</b>	<b>1,811,488</b>	<b>1,823,563</b>	<b>1,792,947</b>	<b>1,361,611</b>	<b>1,118,916</b>
	<b>4,039,709</b>	<b>3,764,686</b>	<b>3,813,108</b>	<b>3,852,837</b>	<b>2,702,365</b>	<b>2,493,719</b>





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 \$

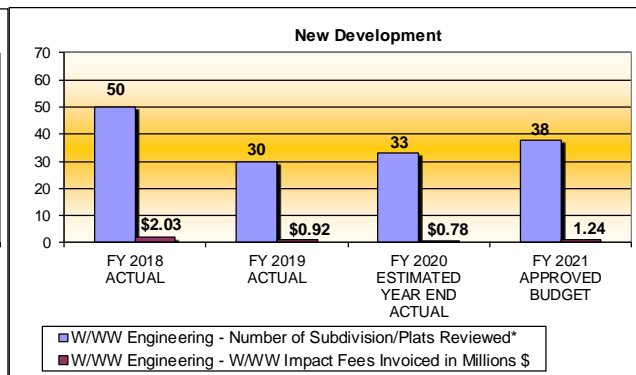
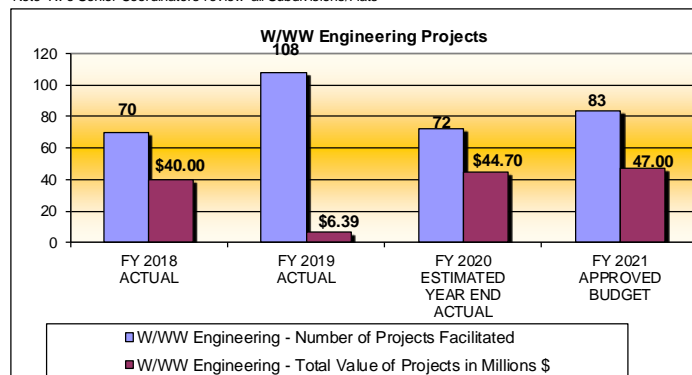
W/WW Engineering - W/WW Impact Fees Invoiced in Millions \$

### EFFICIENCY MEASURES

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

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

FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
9	8	8	8
3	3	4	4
2	2	2	2
70	108	72	83
50	30	33	38
\$40.00	\$6.39	\$44.70	47.00
\$2.03	\$0.92	\$0.78	1.24
\$ 3.33	\$ 0.58	\$ 3.73	\$ 3.92





## DEPARTMENT 3310 - WATER & WASTEWATER ENGINEERING

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 67,683	\$ 56,136	\$ 50,106	\$ 34,657	\$ 52,522	\$ 106,392
6105 Administrative Staff	281,399	295,438	272,472	421,433	288,707	369,042
6110 Clerical staff	79,561	89,477	61,775	156,803	83,159	191,976
6130 Overtime	415	2,658	2,649	3,395	1,036	3,358
6201 T.M.R.S.	78,334	80,105	135,611	99,052	154,141	118,332
6205 F.I.C.A.	26,243	25,823	22,355	35,164	25,028	41,379
6210 Medicare	6,137	6,039	5,228	8,224	5,853	9,678
6214 Dental Insurance	1,897	1,891	3,685	6,722	4,415	7,847
6215 Hospitalization insurance	60,935	63,900	63,126	103,357	81,899	141,077
6220 Life Insurance	540	444	337	699	355	762
6221 Long Term Disability Insurance	879	369	541	1,226	768	1,335
6225 Workers Compensation	11,296	11,664	9,564	15,322	10,759	16,685
6230 Vacation leave	3,948	(6,494)	4,928	7,825	32,172	8,523
6235 Sick leave	2,929	(2,689)	21,362	8,608	(24,507)	9,377
6240 Educational assistance	(829)	-	-	-	-	-
6260 Vacancy Savings	-	-	-	(44,133)	-	(33,370)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>621,368</b>	<b>624,763</b>	<b>653,739</b>	<b>858,354</b>	<b>716,307</b>	<b>992,392</b>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	1,356	691	96	900	107	500
7110 Dues & memberships	642	333	238	1,240	265	1,500
7115 Educational material	-	-	-	200	-	200
7120 Office supplies	12,121	10,438	11,307	11,000	1,887	10,000
7125 Photo equipment/supplies	370	-	254	800	-	800
7130 Postage/shipping charges	332	433	346	800	61	400
7135 Telephone expenses	-	-	-	456	-	300
7140 Training expenses	3,815	2,115	295	4,158	1,659	5,000
7145 Travel expenses	5,874	7,696	1,558	3,072	2,302	4,000
7225 Safety supplies	905	1,408	547	1,000	1,344	1,000
7299 Other materials & supplies	1,434	1,063	331	1,500	4,543	1,000
7315 Food, meals, ice, water	745	1,261	739	1,250	794	1,250
7325 Rental of equip/storage/land	8,619	9,069	8,143	10,000	4,973	5,000
7335 Wearing apparel & dry goods	2,121	2,458	1,539	1,238	-	1,238
7415 Fuels & lubricants	10,559	10,655	10,533	14,000	8,719	7,500
7505 Maint. of communication equipment	-	175	-	400	-	400
7601 Legal Fees	-	3,350	-	6,000	-	-
7605 Engineering fees	47,598	26,405	82,758	202,592	265,134	200,000
7630 Construction contractor services	-	109,000	-	-	-	-
7635 Software maintenance service fees	-	13,750	28,864	20,000	-	10,000
7645 Maintenance services	590	74,922	700	20,000	6,054	10,000
7699 Other services	-	10,151	4,950	21,122	306	5,000
7801 Communication equipment	-	-	-	400	-	400
7805 Computer equipment	282	150	-	-	-	-
7820 Office furniture & equipment	1,447	4,302	2,358	1,673	-	1,500
7899 Other minor tools & equipment	-	2,422	3,312	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>98,810</b>	<b>292,246</b>	<b>158,869</b>	<b>323,801</b>	<b>298,149</b>	<b>266,988</b>
	<b>720,178</b>	<b>917,009</b>	<b>812,608</b>	<b>1,182,155</b>	<b>1,014,456</b>	<b>1,259,380</b>





**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

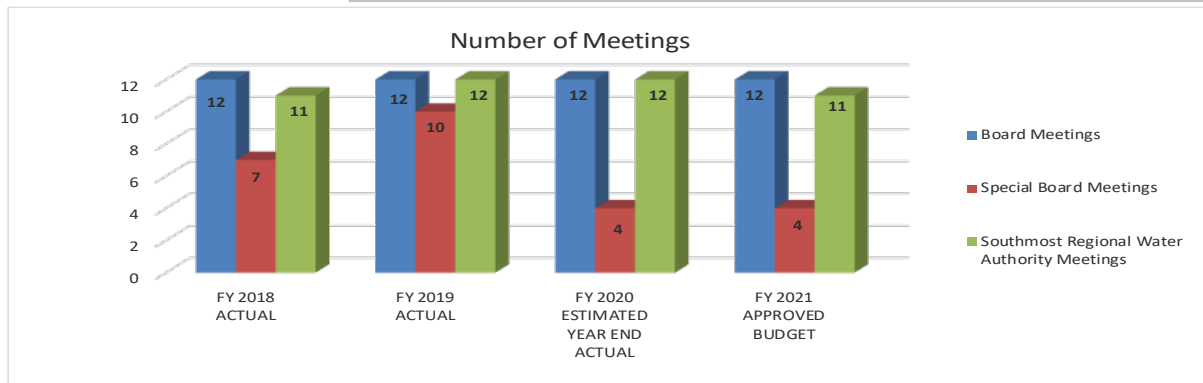
**OUTPUT MEASURES**

Board Meetings  
 Director Meetings  
 Agenda Items Reviewed

**OUTCOME MEASURES**

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

	FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
Employees (FTE)	2	3	2	2
O&M Expenditures Personnel	\$ 428,015	\$ 534,094	\$ 463,040	\$ 594,235
O&M Expenditures Non-Personnel	\$ 498,343	\$ 184,701	\$ 216,048	\$ 122,591
Board Meetings	12	12	12	12
Director Meetings	48	48	48	48
Agenda Items Reviewed	350	300	300	300
Joint Meetings with City Commission	-	1	1	1
Joint Meetings with Port of Brownsville	-	-	1	1
Southmost Regional Water Authority	11	12	12	11
Special Board Meetings	7	10	4	4
Joint Meetings with GBIC Director	-	-	-	-
Directors/Managers Meetings	10	10	7	4





# DEPARTMENT 4105 – OPERATIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 258,891	\$ 264,992	\$ 287,299	\$ 369,999	\$ 325,474	\$ 382,017
6110 Clerical staff	45,865	46,005	46,051	45,157	47,568	46,634
6130 Overtime	1,646	1,480	1,501	977	1,661	1,009
6201 T.M.R.S.	55,990	57,807	81,026	72,528	89,671	76,000
6205 F.I.C.A.	10,452	10,522	12,321	25,740	16,907	26,576
6210 Medicare	4,483	4,609	5,000	6,020	5,602	6,215
6214 Dental Insurance	543	543	1,248	1,906	1,549	1,906
6215 Hospitalization insurance	21,146	19,163	20,781	28,134	25,395	31,930
6220 Life Insurance	367	316	244	438	241	451
6221 Long Term Disability Insurance	784	261	286	830	394	857
6225 Workers Compensation	7,910	8,079	8,781	10,379	9,864	10,716
6230 Vacation leave	11,125	3,428	11,473	5,301	15,422	5,474
6235 Sick leave	19,947	130	39,225	5,831	(96,567)	6,023
6242 Auto Benefits	8,827	9,000	15,692	16,500	16,500	16,500
6243 Telephone Benefits	1,680	1,680	3,166	3,360	3,360	3,360
6260 Vacancy Savings	-	-	-	(28,056)	-	(21,433)
<i>O&amp;M PERSONNEL TOTAL</i>	449,659	428,015	534,094	565,042	463,040	594,235
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	483	700	-	1,000
7110 Dues & memberships	433	589	1,189	700	1,056	700
7120 Office supplies	2,761	1,634	4,810	4,000	2,774	2,500
7130 Postage/shipping charges	-	279	99	350	-	350
7135 Telephone expenses	-	-	1,158	2,000	-	2,000
7140 Training expenses	1,990	2,338	2,895	2,541	695	2,541
7145 Travel expenses	12,504	10,338	14,933	11,264	10,917	10,000
7225 Safety supplies	-	-	113	-	377	200
7299 Other materials & supplies	50	348	170	400	506	1,800
7315 Food, meals, ice, water	662	346	1,141	600	1,374	1,200
7601 Legal Fees	327,411	349,047	135,103	150,000	197,967	100,000
7635 Software maintenance service fees	-	-	-	300	-	300
7699 Other services	15	133,424	19,831	-	382	-
7805 Computer equipment	80	-	-	-	-	-
7806 Software licenses-new	-	-	1,694	-	-	-
7820 Office furniture & equipment	-	-	1,080	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	345,907	498,343	184,701	172,855	216,048	122,591
	795,566	926,358	718,795	737,897	679,088	716,826





Department Responsibility: Lina Alvarez

Title: Asset Management

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 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
\$ 202,843	\$ 223,401	\$ 345,749	\$ 215,124
25	25	25	25
1	1	2	1
10	10	10	10
1	1	1	1
12	12	12	12
5	5	7	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 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 103,456	\$ 88,837	\$ 89,178	\$ 88,837	\$ 92,334	\$ 91,728
6201 T.M.R.S.	18,256	15,887	15,797	15,520	16,132	16,263
6205 F.I.C.A.	6,354	5,512	5,519	5,508	5,712	5,687
6210 Medicare	1,486	1,289	1,291	1,288	1,336	1,330
6214 Dental Insurance	324	272	398	484	438	484
6215 Hospitalization insurance	8,035	6,004	6,249	7,015	6,943	7,857
6220 Life Insurance	138	94	79	97	76	100
6221 Long Term Disability Insurance	284	75	134	178	177	183
6225 Workers Compensation	2,582	2,221	2,229	2,221	2,308	2,293
6230 Vacation leave	(4,673)	171	(555)	1,134	2,158	1,171
6235 Sick leave	(18,447)	2,648	854	1,248	820	1,289
6260 Vacancy Savings	-	-	-	(6,057)	-	(4,586)
<i>O&amp;M PERSONNEL TOTAL</i>	117,795	123,009	121,173	117,472	128,435	123,800
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	93	500	-	500
7110 Dues & memberships	236	283	285	500	288.00	500
7115 Educational material	-	687	-	-	-	-
7120 Office supplies	179	455	375	400	173.17	400
7130 Postage/shipping charges	-	-	152	300	16.22	300
7140 Training expenses	500	1,990	895	1,596	-	1,596
7145 Travel expenses	1,436	3,717	1,937	2,528	1,136.81	2,528
7225 Safety supplies	91	-	-	-	-	-
7299 Other materials & supplies	356	998	790	400	365.60	400
7315 Food, meals, ice, water	87	97	132	500	33.89	500
7699 Other services	48,509	70,743	96,868	60,000	212,761.70	80,000
7805 Computer equipment	260	585	-	1,800	-	1,800
7806 Software licenses-new	328	-	-	2,000	2,344.00	2,000
7820 Office furniture & equipment	-	280	701	800	195.00	800
<i>O&amp;M NON-PERSONNEL TOTAL</i>	51,981	79,834	102,228	71,324	217,314	91,324
	169,776	202,843	223,401	188,796	345,749	215,124





<b>Department Responsibility:</b>	Jaime Estrada
<b>Title:</b>	Asset Management Manager
<b>Telephone Ext:</b>	6218
<b>Dept. No:</b>	4115

## PERFORMANCE MEASURES FOR THE

### Department Function:

The Asset Management Department's primary function is to establish and support a set of guidelines and processes in accordance to ISO 55000 that will allow BPUB to maximize the use of its physical assets (equipment and tools) via prevent maintenance practices. The department strives for proactive infrastructure management in all three service utilities (electric, water, wastewater) and expects to improve quality and reliability for current and future operations.

### Department Goals/Objectives:

The Asset Management Department's goal is maintain, improve, and invest in infrastructure through two major roles: the reliability engineering role (RE) and the work management (WM) role. The RE role identifies and mitigates risks that could adversely affect the utility or business operations and evaluates practices to maximize equipment reliability at minimum life cycle cost. The WM role is responsible for planning and scheduling all maintenance work performed in the different sectors of the utility.

### INPUT MEASURES

Employees (FTE's)

O&M Budget

### OUTPUT MEASURES

RE - PM/ PDM Compliance

RE - Mean Time Between Failures

RE - Mean Time To Repair

RE - % Emergency Maintenance

RE - % Preventive Maintenance

RE - % Planned Maintenance

### OUTCOME MEASURES

WM - Maintenance Resource Utilization

WM - Maintenance Schedule Compliance

WM - Maintenance Schedule Completion

WM - PM/PDM Work

WM - Maintenance Backlog - Total

WM - Maintenance Backlog - Ready

### EFFICIENCY MEASURES

RE - Maintenance Cost % of Total Cost

WM - Yearly Scheduling Effectiveness

	FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 PROPOSED BUDGET
Employees (FTE's)	N/A	N/A	N/A	5
O&M Budget	\$ -	\$ -	\$ -	\$ 180,100
RE - PM/ PDM Compliance	N/A	N/A	N/A	>90%
RE - Mean Time Between Failures	N/A	N/A	N/A	Increasing Trend (Days)
RE - Mean Time To Repair	N/A	N/A	N/A	Decreasing Trend (Hours)
RE - % Emergency Maintenance	0%	0%	0%	<10%
RE - % Preventive Maintenance	0%	0%	0%	65-75%
RE - % Planned Maintenance	0%	0%	0%	>90%
WM - Maintenance Resource Utilization	0%	0%	0%	100%
WM - Maintenance Schedule Compliance	0%	0%	0%	>90%
WM - Maintenance Schedule Completion	0%	0%	0%	85%
WM - PM/PDM Work	0%	0%	0%	30%
WM - Maintenance Backlog - Total	N/A	N/A	N/A	4-6 Weeks
WM - Maintenance Backlog - Ready	N/A	N/A	N/A	2-4 Weeks
RE - Maintenance Cost % of Total Cost	0%	0%	0%	<3%
WM - Yearly Scheduling Effectiveness	0%	0%	0%	%



## DEPARTMENT 4115 –ASSET MANAGEMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6130 Overtime	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,009
<i>O&amp;M PERSONNEL TOTAL</i>	-	-	-	-	-	1,009
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	-	-	1,000
7110 Dues & memberships	-	-	-	-	-	700
7120 Office supplies	-	-	-	-	-	4,000
7130 Postage/shipping charges	-	-	-	-	-	350
7135 Telephone expenses	-	-	-	-	-	2,000
7140 Training expenses	-	-	-	-	-	2,541
7145 Travel expenses	-	-	-	-	-	15,000
7225 Safety supplies	-	-	-	-	-	200
7299 Other materials & supplies	-	-	-	-	-	1,800
7315 Food, meals, ice, water	-	-	-	-	-	1,200
7601 Legal Fees	-	-	-	-	-	150,000
7635 Software maintenance service fees	-	-	-	-	-	300
7699 Other services	-	-	-	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	-	-	-	-	-	179,091
	-	-	-	-	-	180,100





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 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
<b>INPUT MEASURES</b>				
Number of Employees	5	5	5	5
O&M Personnel Expenses	\$ 466,881	\$ 454,872	\$ 446,549	\$ 498,368
O&M Non-Personnel Expenses	\$ 57,711	\$ 207,225	\$ 52,234	\$ 80,798
<b>OUTPUT MEASURES</b>				
Yearly Misoperations Submittals	4	4	4	4
Number of 693 Policies and Procedures Reviewed	54	37	37	37
Number of CIP Policies and Procedures Reviewed	10	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	292	280	368	296
Number of NERC requirements	913	826	776	789
ERCOT protocols and operating guides sections	35	35	35	36
<b>OUTCOME MEASURES</b>				
Number of Trainings to Provide	2	13	13	13
Review of NERC Responsibility Matrix	2	2	2	2
<b>EFFICIENCY MEASURES</b>				
% of NERC Compliance	100%	100%	100%	100%
% of Trainings Completed	100%	100%	100%	100%



## DEPARTMENT 4210 – NERC COMPLIANCE

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 107,563	\$ 108,139	\$ 108,555	\$ 108,139	\$ 112,392	\$ 111,654
6105 Administrative Staff	174,246	190,694	191,428	190,694	197,478	196,893
6110 Clerical staff	29,792	29,152	25,224	29,765	-	44,117
6130 Overtime	214	203	139	258	-	-
6201 T.M.R.S.	55,142	58,692	57,848	57,406	55,738	62,527
6205 F.I.C.A.	18,745	19,696	19,532	20,373	19,174	21,865
6210 Medicare	4,384	4,606	4,568	4,765	4,484	5,114
6214 Dental Insurance	1,284	1,358	2,263	2,946	2,039	2,745
6215 Hospitalization insurance	38,804	41,589	41,950	48,603	38,533	51,712
6220 Life Insurance	411	362	299	372	260	394
6221 Long Term Disability Insurance	827	278	482	657	589	705
6225 Workers Compensation	7,789	8,222	8,164	8,215	7,976	8,817
6230 Vacation leave	5,145	(2,096)	(619)	4,196	8,859	4,504
6235 Sick leave	9,072	5,985	(4,960)	4,615	(972)	4,955
6260 Vacancy Savings	-	-	-	(23,597)	-	(17,633)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>453,418</b>	<b>466,881</b>	<b>454,872</b>	<b>457,407</b>	<b>446,549</b>	<b>498,368</b>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	88	-	119	-	-	-
7110 Dues & memberships	45	45	45	100	45	100
7120 Office supplies	1,500	1,107	557	1,100	293	1,100
7130 Postage/shipping charges	-	-	-	-	-	-
7135 Telephone expenses	-	250	-	200	-	200
7140 Training expenses	4,105	2,100	-	-	-	-
7145 Travel expenses	14,102	9,201	628	8,448	851	1,448
7225 Safety supplies	-	-	-	150	141	150
7304 Hurricane Preparedness Expenses	127	-	-	500	-	500
7305 ERCOT expenses	43,216	42,384	200,769	175,000	49,581	70,000
7315 Food, meals, ice, water	609	422	1,541	1,000	263	1,000
7325 Rental of equip/storage/land	24	87	122	300	118	300
7415 Fuels & lubricants	-	-	-	-	-	-
7635 Software maintenance service fees	-	-	-	1,000	468	1,000
7805 Computer equipment	1,133	398	874	1,000	475	1,000
7806 Software licenses-new	-	1,402	2,528	3,000	-	3,000
7820 Office furniture & equipment	834	315	43	1,000	-	1,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>65,784</b>	<b>57,711</b>	<b>207,225</b>	<b>192,798</b>	<b>52,234</b>	<b>80,798</b>
	<b>519,202</b>	<b>524,592</b>	<b>662,097</b>	<b>650,205</b>	<b>498,783</b>	<b>579,166</b>





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, the Sendero Wind Farm and AEP Power Purchase Agreements. 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

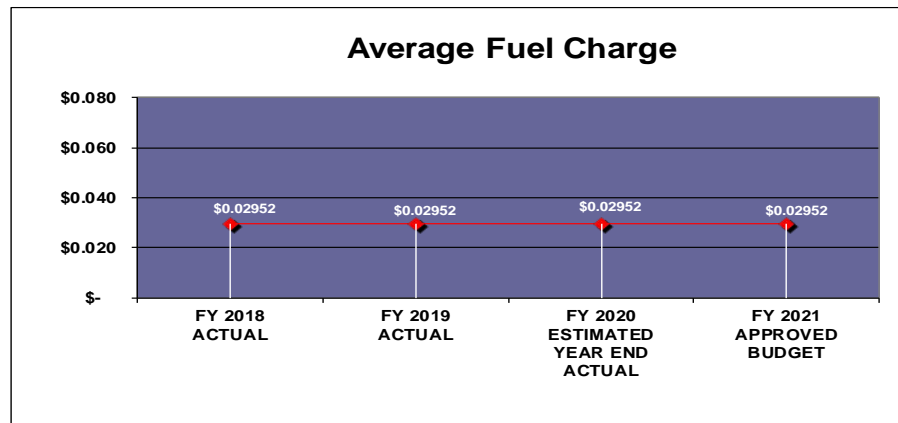
#### OUTCOME MEASURES

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 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
Employees	2	2	2	
O&M Personnel Expenses	\$ 180,718	\$ 194,881	\$ 201,316	\$ 199,629
O&M Non-Personnel Expenses	\$ 61,673,058	\$ 63,597,180	\$ 60,088,427	\$ 66,241,151
Fuel & Energy Invoices/Transactions Processed	771	727	745	800
Fuel & Energy Contracts Maintained	8	8	9	10
Fuel & Energy Data Modeling	57	46	28	39
Congestion Revenue Rights Auction Participation	25	24	16	22
Fuel & Energy Reports	318	338	310	324
Fuel & Purchase Energy Charge Projections	12	12	12	12
Load and Capacity Forecast	17	14	12	17
Congestion Revenue Rights Auctions Awarded	2	3	9	5
% of Fuel & Energy Requirements Met	100%	100%	100%	100%
% of Fuel & Energy Invoices Processed	100%	100%	100%	100%
% of Fuel & Energy Contracts Maintained	100%	100%	100%	100%
Average Fuel Charge	\$ 0.02952	\$ 0.02952	\$ 0.02952	\$ 0.02952





## DEPARTMENT 4220 – FUEL & PURCHASED ENERGY SUPPLY

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 57,374	\$ 71,760	\$ 72,036	\$ 71,760	\$ 74,579	\$ 74,090
6105 Administrative Staff	60,495	58,947	59,174	58,947	61,263	60,861
6201 T.M.R.S.	20,870	23,376	23,243	22,835	23,734	23,927
6205 F.I.C.A.	6,809	7,572	7,558	8,104	7,755	8,367
6210 Medicare	1,592	1,771	1,768	1,895	1,814	1,957
6214 Dental Insurance	491	543	1,249	1,619	1,466	1,619
6215 Hospitalization insurance	19,108	21,145	22,024	24,712	24,783	28,142
6220 Life Insurance	149	143	120	148	117	152
6221 Long Term Disability Insurance	300	110	197	261	260	270
6225 Workers Compensation	2,947	3,268	3,280	3,268	3,396	3,374
6230 Vacation leave	5,551	(1,346)	547	1,669	5,813	1,723
6235 Sick leave	10,632	(6,571)	3,685	1,836	(3,662)	1,896
6260 Vacancy Savings	-	-	-	(9,677)	-	(6,748)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>186,318</b>	<b>180,718</b>	<b>194,881</b>	<b>187,376</b>	<b>201,316</b>	<b>199,629</b>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	3,390	3,300	3,411	3,500	3,510	4,000
7110 Dues & memberships	2,000	-	-	2,000	-	750
7120 Office supplies	1,210	767	1,085	1,500	754	1,100
7130 Postage/shipping charges	24	-	-	200	-	200
7135 Telephone expenses	-	-	-	700	234	400
7140 Training expenses	1,596	-	-	-	-	-
7145 Travel expenses	908	-	-	-	-	-
7299 Other materials & supplies	-	-	21	-	-	-
7304 Hurricane Preparedness Expenses	-	-	-	200	-	200
7305 ERCOT expenses	514,037	1,263,351	688,696	1,325,000	1,117,073	750,000
7315 Food, meals, ice, water	25	25	25	500	27	500
7601 Legal Fees	-	-	-	15,000	-	5,000
7605 Engineering fees	4,524	2,575	6,563	10,000	2,438	10,000
7635 Software maintenance service fees	-	-	-	3,500	4,688	3,500
7701 Fuel - Natural gas - Silas Ray	1,042,911	1,073,744	1,235,346	1,200,000	1,198,891	2,000,000
7702 Fuel - Natural Gas - Hidalgo Energy	9,003,032	10,222,283	7,491,013	7,000,000	8,021,431	9,000,000
7704 Fuel - TETCO/Hinshaw Pipeline	631,662	664,305	551,861	500,000	838,119	900,000
7705 Fuel - Coal - Oklaunion	6,380,124	7,538,764	9,304,377	10,000,000	3,778,547	-
7706 Fuel-Diesel-Distributed Generation	-	-	-	35,000	-	10,000
7707 Fuel - Diesel oil - Oklaunion	180,013	62,776	197,593	150,000	90,616	-
7708 Fuel-Natural Gas Tranp-Silas Ray	93,473	97,237	79,090	120,000	122,914	200,000
7714 Pchp - Wind Resources	10,454,540	9,091,589	7,979,936	9,000,000	3,149,159	6,000,000
7720 Pchp - Resource Imbalance	1,649,817	1,515,735	6,936,621	3,000,000	6,653,338	4,500,000
7721 Pchp - Economy power	8,679,811	11,982,163	6,027,609	6,000,000	7,169,856	9,000,000
7724 Pchp - Fixed Energy - AEP PPA	-	-	-	-	-	13,930,000
7726 Pchp - Bilateral Energy Expns-Gas	-	-	-	10,000	-	8,236
7727 Pchp - Bilateral Energy-Gas Transp	-	-	-	1,000	-	824
7728 Pchp - Bilateral Energy Exp-Coal	-	-	-	10,000	-	-
7729 Pchp - TCOS (Wheeling)	8,328,774	8,032,710	8,043,011	8,500,000	8,675,265	7,000,175
7733 Pchp - Bilateral Ancillary Services	1,224,823	2,080,658	3,159,197	1,800,000	1,473,738	1,800,000
7736 Pchp - QSE Charges	399,050	400,703	402,416	420,000	404,101	420,000
7737 Pchp - Ercot Charges	1,339,038	1,432,188	1,119,473	1,300,000	1,055,882	1,300,000
7738 Pchp - CSC Congestion Cost (CSCBE)	3,911,871	588,547	2,122,757	2,500,000	4,932,015	2,000,000
7740 Power marketing services	148,389	318,562	495,848	300,000	321,856	300,000
7750 Pchp - Real Time Energy - Wind	1,094,964	1,467,415	2,676,969	1,500,000	4,310,175	3,294,200
7751 Pchp - Reliability Unit Cmt Exp-Gas	99,641	47,274	-	150,000	2,203	82,355
7752 Pchp - Reliab Unit Cmt - Gas Transp	6,953	3,319	-	15,000	304	8,236
7753 Pchp - Day Ahead Energy Exp-Gas	70,284	66,202	276,008	500,000	941,764	164,710
7754 Pchp - Day Ahead Energy-Gas Transp	6,558	4,228	24,245	50,000	77,604	16,471
7755 Pchp - Real Time Energy Exp-Gas	1,721,091	1,411,322	2,677,424	3,000,000	1,928,397	1,482,390
7756 Pchp - Real Time Energy - Gas Transp	128,448	101,511	185,027	300,000	197,919	148,239
7757 Pchp - Reliab Unit Cmt - Coal	-	-	-	10,000	-	-
7758 Pchp - Day Ahead Energy-Coal	-	-	-	10,000	-	-
7759 Pchp - Real Time Energy - Coal	1,188,008	2,199,805	1,424,261	2,000,000	387,351	-
7760 Pchp - Day Ahead Energy-Wind	-	-	487,155	-	3,228,190	1,894,165
7805 Computer equipment	-	-	-	85	69	4,000
7806 Software licenses-new	-	-	-	-	-	-
7820 Office furniture & equipment	700	-	142	210	-	1,500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>58,311,689</b>	<b>61,673,058</b>	<b>63,597,180</b>	<b>60,743,395</b>	<b>60,088,427</b>	<b>66,241,151</b>
	<b>58,498,007</b>	<b>61,853,776</b>	<b>63,792,061</b>	<b>60,930,771</b>	<b>60,289,743</b>	<b>66,440,780</b>





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 transmission of natural gas to the City of Brownsville for Industrial and large Commercial users.

**Department Goals/Objectives:**

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

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	-	-	-
7120 Office supplies	-	-	-	-	-	-
7130 Postage/shipping charges	-	-	-	-	-	-
7315 Food, meals, ice, water	-	-	-	-	-	-
7605 Engineering fees	-	-	-	5,000	-	15,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	-	-	-	5,000	-	15,000
	-	-	-	5,000	-	15,000





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

**PERFORMANCE MEASURES  
FOR THE  
OPERATIONAL SUPPORT SERVICES**

**Department Function:**

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

**Department Goals/Objectives:**

The department's objectives are to provide our customers, both internally and externally, with economical, reliable, and 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
- 3120 - Water Plant 1
- 3130 - Water Plant II
- 3135 - Resaca Maintenance
- 3140 - Raw Water Supply
- 3210 - South Wastewater Treatment Plant
- 3220 - Robindale Wastewater Treatment Plant
- 4110 - Energy Risk Management
- 7135 - Geographical Information Systems
- 7150 - Fleet Management
- 3190 - Southmost Regional Water Authority (92.4% BPUB Ownership)

	<b>FY 2018 ACTUAL</b>	<b>FY 2019 ACTUAL</b>	<b>FY 2020 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2021 PROPOSED BUDGET</b>
<b>INPUT MEASURES</b>				
Employees (FTE)	4	4	4	4
O&M Expenditures Personnel	\$ 557,063	\$ 554,282	\$ 547,024	\$ 569,357
O&M Expenditures Non-Personnel	\$ 32,323	\$ 377,390	\$ 686,098	\$ 118,889
<b>OUTPUT MEASURES</b>				
Meeting with Operations Directors - Bi-Weekly	-	65	20	104
Meeting with OSS Upper Management - Weekly	48	47	47	52
Meeting with OSS Division Management - Quarterly	-	4	4	4
Directors Meeting with Executive Management - Weekly	48	48	24	48
<b>OUTCOME MEASURES</b>				
Meeting with OSS Management - Monthly	60	60	55	72
Directors and Managers Meeting - Monthly	10	10	6	6
PUBCAP Meeting - Monthly	10	10	6	6
BPUB Board Meeting/Special Board Meetings	32	19	16	18
SRWA Board Meeting - Monthly	12	12	12	12



## DEPARTMENT 4310 – OPERATIONAL SUPPORT SERVICES

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 360,461	\$ 359,381	\$ 363,524	\$ 342,514	\$ 333,676	\$ 353,636
6110 Clerical staff	36,671	37,045	34,626	63,440	32,912	49,024
6130 Overtime	1,158	1,046	1,502	858	2,182	1,328
6201 T.M.R.S.	72,001	72,616	72,486	70,920	72,228	71,392
6205 F.I.C.A.	22,787	23,091	23,392	25,169	22,451	24,965
6210 Medicare	5,737	5,726	5,779	5,886	5,351	5,839
6214 Dental Insurance	1,062	1,056	2,260	3,426	2,383	3,076
6215 Hospitalization insurance	35,132	34,971	36,516	48,984	36,658	48,940
6220 Life Insurance	502	415	346	446	296	440
6221 Long Term Disability Insurance	1,048	335	554	812	656	805
6225 Workers Compensation	10,173	10,155	10,230	10,149	9,472	10,067
6230 Vacation leave	2,117	820	(1,343)	5,183	18,064	5,142
6235 Sick leave	915	1,224	(5,122)	5,702	1,513	5,657
6242 Auto Benefits	7,500	7,500	7,788	7,500	7,500	7,500
6243 Telephone Benefits	1,680	1,680	1,745	1,680	1,680	1,680
6260 Vacancy Savings	-	-	-	(28,587)	-	(20,133)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>558,946</u>	<u>557,063</u>	<u>554,282</u>	<u>564,082</u>	<u>547,024</u>	<u>569,357</u>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	200	-	200
7110 Dues & memberships	1,095	231	400	500	1,045	500
7115 Educational material	-	-	-	500	-	-
7120 Office supplies	1,753	1,960	2,161	2,000	283	1,000
7130 Postage/shipping charges	70	139	47	200	49	200
7140 Training expenses	660	2,815	3,713	3,717	590	3,000
7145 Travel expenses	3,340	5,717	10,734	7,584	1,425	6,000
7225 Safety supplies	30	59	-	250	-	250
7299 Other materials & supplies	6	-	32	200	500	500
7304 Hurricane Preparedness Expenses	83	-	-	-	-	-
7315 Food, meals, ice, water	2,883	3,157	2,516	3,500	133	2,000
7601 Legal Fees	8,369	8,744	2,690	7,500	5,570	6,000
7605 Engineering fees	-	-	-	-	-	-
7699 Other services	180	9,191	354,041	1,000,000	675,690	98,739
7801 Communication equipment	-	-	-	-	-	-
7805 Computer equipment	-	310	-	-	-	-
7820 Office furniture & equipment	2,993	-	1,058	900	813	500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>21,462</u>	<u>32,323</u>	<u>377,390</u>	<u>1,027,051</u>	<u>686,098</u>	<u>118,889</u>
	<b>580,408</b>	<b>589,386</b>	<b>931,672</b>	<b>1,591,133</b>	<b>1,233,122</b>	<b>688,246</b>





Department Responsibility: **Leandro G. García, 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)

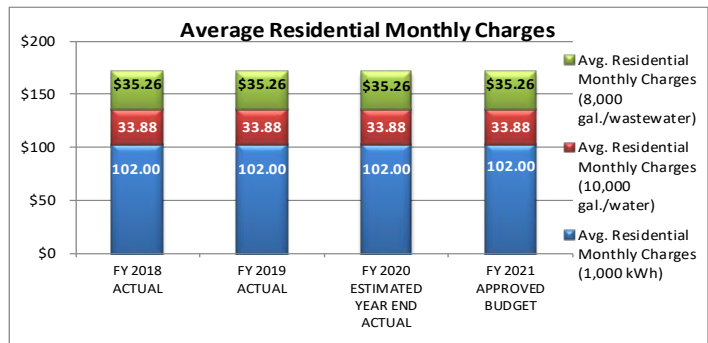
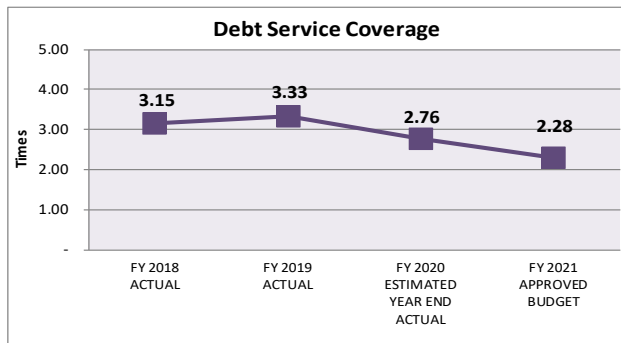
#### OUTCOME MEASURES

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 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
7	8	8	8
\$ 1,123,472	\$ 1,086,956	\$ 1,332,473	\$ 1,231,488
\$ 219,718,683	\$ 223,196,898	\$ 222,405,110	\$ 224,617,536
\$ 61,267,696	\$ 67,566,077	\$ 108,350,813	\$ 87,938,389
52	52	52	52
4	4	4	4
12	12	12	12
Yes	Yes	Yes	Yes
A+ / A2 / A+	A+ / A2 / A+	A+ / A2 / A+	A+ / A2 / A+
3.15	3.33	2.76	2.28
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 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 347,225	\$ 356,345	357,354	356,406	\$ 477,507	\$ 426,851
6105 Administrative Staff	111,488	106,881	140,496	176,615	76,808	201,259
6110 Clerical staff	41,997	42,055	42,085	71,074	43,494	42,536
6130 Overtime	656	1,013	792	1,486	483	1,472
6201 T.M.R.S.	90,069	91,901	109,868	105,535	118,645	118,906
6205 F.I.C.A.	23,531	23,644	25,890	37,454	29,378	41,580
6206 Suta	-	-	2,355	-	7,623	-
6210 Medicare	7,234	7,317	7,777	8,759	8,637	9,724
6214 Dental Insurance	1,614	1,564	3,507	5,516	4,253	5,375
6215 Hospitalization insurance	49,937	45,886	56,465	79,153	64,788	83,919
6220 Life Insurance	637	535	458	675	453	740
6221 Long Term Disability Insurance	(104)	(295)	642	1,208	890	1,341
6225 Workers Compensation	14,144	13,552	13,832	15,102	15,308	16,766
6230 Vacation leave	11,755	(1,479)	1,171	7,713	18,633	8,564
6235 Sick leave	20,080	6,965	9,138	8,485	(73,938)	9,423
6242 Auto Benefits	8,827	9,000	9,346	9,000	9,000	9,000
6260 Vacancy Savings	-	-	-	(42,875)	-	(33,532)
<i>O&amp;M PERSONNEL TOTAL</i>	729,089	704,882	781,176	841,306	801,962	943,925
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	830	968	779	1,500	852	300
7110 Dues & memberships	3,123	4,543	3,302	3,000	2,358	3,000
7115 Educational material	101	357	-	200	-	-
7120 Office supplies	20,802	23,491	18,255	15,000	16,272	15,000
7130 Postage/shipping charges	697	422	587	750	574	500
7140 Training expenses	6,506	8,616	10,905	6,972	210	3,613
7145 Travel expenses	8,169	13,213	8,127	9,600	4,905	2,000
7147 Mileage Reimbursement (InTownExp)	48	45	29	150	17	-
7199 Miscellaneous office expenses	-	422	27	50	3,477	50
7225 Safety supplies	9	-	-	-	47	-
7299 Other materials & supplies	120	3,410	28	100	70	100
7315 Food, meals, ice, water	1,551	4,088	316	1,500	249	200
7325 Rental of equip/storage/land	7,662	7,255	6,677	12,000	5,265	6,000
7415 Fuels & lubricants	-	-	15	-	-	-
7601 Legal Fees	413	7,969	46,345	25,000	206,256	25,000
7605 Engineering fees	32,351	102,105	50,585	50,000	5,712	10,000
7610 Financial advisor services	60,000	131,850	45,000	85,000	130,388	75,000
7615 External auditor fees	50,000	56,500	56,500	85,000	15,155	85,000
7635 Software maintenance service fees					3,436	
7699 Other services	26,159	48,965	57,411	40,000	134,135	60,000
7801 Communication equipment	238	-	-	-	-	-
7805 Computer equipment	-	530	-	2,000	225	1,000
7806 Software licenses-new	-	1,459	658	300	203	300
7820 Office furniture & equipment	4,592	2,382	234	1,200	704	500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	223,373	418,590	305,780	339,322	530,511	287,563
	952,462	1,123,472	1,086,956	1,180,628	1,332,473	1,231,488





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

**PERFORMANCE MEASURES  
FOR THE  
ACCOUNTING DEPARTMENT**

**Department Function:**

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

**Department Goals/Objectives:**

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

**INPUT MEASURES**

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

**OUTPUT MEASURES**

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

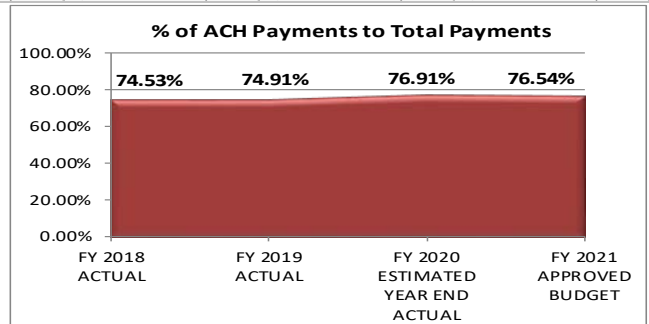
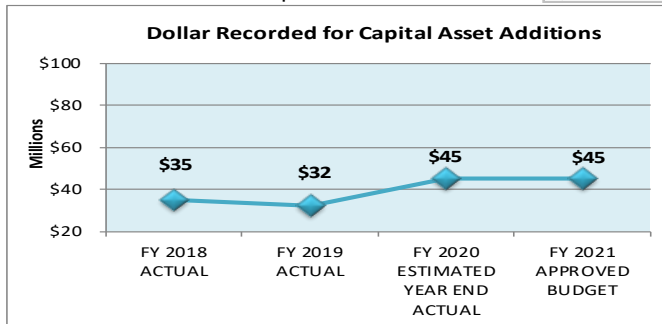
**OUTCOME MEASURES**

% 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 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
2,119	1,966	1,490	1,900
6,199	5,870	4,963	6,200
19,064	19,042	18,920	19,000
1,200	1,144	1,043	1,100
5,056	4,898	4,757	4,800
\$ 601,333,450	\$ 599,317,277	\$ 614,317,277	\$ 629,317,277
92%	84%	75%	85%
100%	100%	100%	100%
324	324	324	324
12	12	12	12
\$ 34,913,981	\$ 32,249,657	\$ 45,000,000	\$ 45,000,000
74.53%	74.91%	76.91%	76.54%
99.91%	99.94%	99.91%	99.90%
100.00%	100.00%	100.00%	100.00%
100.00%	100.00%	100.00%	100.00%
Yes	Yes	Yes	Yes
\$ 175,200	\$ 186,709	\$ 207,006	\$ 213,216
\$ 54,124	\$ 54,428	\$ 55,793	\$ 57,466
6.2	6.3	6.8	6.8
\$ 277,757	\$ 281,270	\$ 287,993	\$ 296,633
\$ 127,216	\$ 140,061	\$ 146,161	\$ 150,546





## DEPARTMENT 5120 - ACCOUNTING

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 299,567	\$ 303,618	\$ 296,380	\$ 294,994	\$ 306,710	\$ 304,579
6105 Administrative Staff	152,591	148,475	160,178	187,066	163,801	190,145
6110 Clerical staff	165,507	194,189	219,559	188,415	222,319	190,811
6130 Overtime	2,290	2,192	1,994	3,103	360	2,323
6201 T.M.R.S.	111,892	117,384	150,488	117,132	152,617	121,545
6205 F.I.C.A.	37,347	39,155	40,826	41,569	41,930	42,503
6206 Suta	-	-	464	-	-	-
6210 Medicare	8,828	9,173	9,557	9,722	9,806	9,940
6214 Dental Insurance	3,375	3,546	7,119	8,983	7,811	8,526
6215 Hospitalization insurance	98,962	105,073	115,033	129,274	121,556	134,987
6220 Life Insurance	838	728	654	790	624	803
6221 Long Term Disability Insurance	(1,695)	(1,145)	1,005	1,341	1,305	1,371
6225 Workers Compensation	19,234	18,075	17,316	16,762	17,632	17,138
6230 Vacation leave	11,374	4,038	3,375	8,561	15,470	8,754
6235 Sick leave	22,465	13,505	5,724	9,417	(38,236)	9,632
6240 Educational assistance	-	-	5,483	17,460	2,790	-
6242 Auto Benefits	7,500	7,500	7,788	7,500	7,500	7,500
6243 Telephone Benefits	1,680	1,680	1,745	1,680	1,680	1,680
6260 Vacancy Savings	-	-	-	(49,802)	-	(34,277)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>941,756</b>	<b>967,186</b>	<b>1,044,689</b>	<b>993,967</b>	<b>1,035,676</b>	<b>1,017,962</b>
<i>O&amp;M NON-PERSONNEL</i>						
7102 Sponsorships	-	-	-	-	115	-
7105 Books & periodicals	1,063	819	980	955	-	955
7110 Dues & memberships	3,080	3,666	1,999	580	1,249	580
7120 Office supplies	9,094	10,458	9,457	10,800	14,680	9,500
7130 Postage/shipping charges	229	103	195	300	128	200
7135 Telephone expenses	-	-	-	-	-	-
7140 Training expenses	2,930	3,975	2,993	3,780	1,189	2,500
7145 Travel expenses	3,579	2,153	7,221	3,808	1,247	3,000
7147 Mileage Reimbursement (InTownExp)	38	3	28	132	19	132
7225 Safety supplies	-	-	-	75	-	75
7299 Other materials & supplies	52	40	699	100	-	100
7301 Bad debt expense	27	-	-	-	-	-
7315 Food, meals, ice, water	868	1,134	692	1,273	343	873
7325 Rental of equip/storage/land	-	-	1,320	1,668	1,068	2,208
7335 Wearing apparel & dry goods	116	135	42	339	-	-
7635 Software maintenance service fees	6,846	4,142	8,914	6,039	3,205	6,189
7699 Other services	16,567	9,803	17,666	62,900	19,942	45,000
7805 Computer equipment	652	-	-	-	1,061	-
7806 Software licenses-new	-	113	131	300	608	400
7820 Office furniture & equipment	6,726	3,919	174	2,844	1,526	895
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>51,868</b>	<b>40,463</b>	<b>52,511</b>	<b>95,892</b>	<b>46,380</b>	<b>72,607</b>
	<b>993,624</b>	<b>1,007,649</b>	<b>1,097,200</b>	<b>1,089,859</b>	<b>1,082,056</b>	<b>1,090,569</b>





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

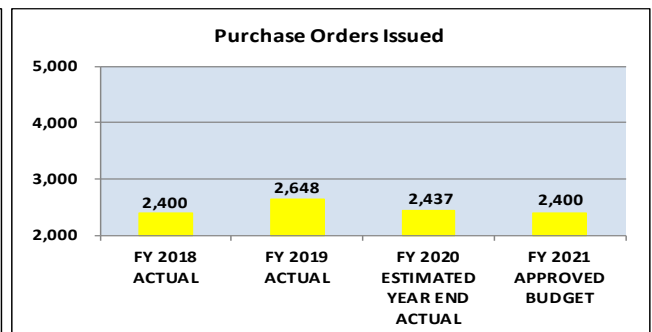
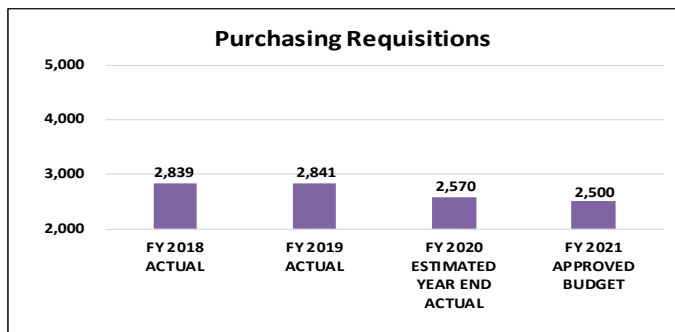
### OUTCOME MEASURES

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 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
7	7	7	8
\$ 503,210	\$ 491,366	\$ 504,903	\$ 515,620
\$ 68,492	\$ 65,625	\$ 59,010	\$ 63,235
\$ 571,702	\$ 556,991	\$ 563,913	\$ 578,855
2,839	2,841	2,570	2,500
124	100	101	101
2,400	2,648	2,437	2,400
124 vs 591 (21%)	124 vs 591 (21%)	101 vs 589 (17%)	101 vs 600 (17%)
50	50	50	54
150 vs 645	150 vs 645	125 vs 900	125 vs 900





## DEPARTMENT 5130 – PURCHASING

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 84,280	\$ 84,469	\$ 84,794	\$ 84,469	\$ 87,790	\$ 87,214
6105 Administrative Staff	212,896	222,622	223,479	222,621	231,499	229,882
6110 Clerical staff	28,754	31,154	31,294	31,117	32,464	32,136
6130 Overtime	11	63	65	90	5	116
6140 Severance Pay	-	-	-	-	-	-
6201 T.M.R.S.	57,644	60,502	60,162	59,085	61,458	61,919
6205 F.I.C.A.	19,218	19,949	20,001	20,969	20,759	21,652
6206 Suta	14,712	5,698	-	-	-	-
6210 Medicare	4,494	4,666	4,678	4,904	4,855	5,064
6214 Dental Insurance	1,859	1,899	3,826	4,891	4,365	4,766
6215 Hospitalization insurance	57,340	58,411	59,117	65,479	63,828	71,127
6220 Life Insurance	449	389	330	399	319	410
6221 Long Term Disability Insurance	872	287	506	676	670	698
6225 Workers Compensation	8,234	8,458	8,491	8,455	8,794	8,731
6230 Vacation leave	4,677	2,569	(707)	4,318	9,855	4,460
6235 Sick leave	15,283	2,075	(4,668)	4,750	(21,758)	4,907
6260 Vacancy Savings	-	-	-	(25,153)	-	(17,462)
<i>O&amp;M PERSONNEL TOTAL</i>	510,723	503,210	491,366	487,069	504,903	515,620
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising	24,049	30,830	30,625	30,000	27,763	30,000
7105 Books & periodicals	-	219	-	315	231	315
7110 Dues & memberships	746	1,025	720	835	855	835
7120 Office supplies	3,462	3,419	3,618	4,000	3,282	4,000
7130 Postage/shipping charges	261	102	227	300	295	500
7140 Training expenses	1,650	795	675	1,218	-	900
7145 Travel expenses	192	1,737	757	1,472	144	-
7180 Utilities - departmental	10,632	10,967	10,720	11,000	8,628	9,000
7215 Laundry & janitorial supplies	198	112	257	250	132	300
7225 Safety supplies	-	-	-	-	33	150
7299 Other materials & supplies	808	1,724	728	1,000	1,641	1,000
7304 Hurricane Preparedness Expenses	629	-	-	-	-	-
7315 Food, meals, ice, water	174	200	180	300	462	300
7325 Rental of equip/storage/land	4,018	3,818	3,849	4,300	3,096	4,300
7415 Fuels & lubricants	56	119	137	-	274	-
7599 Maintenance / other	17,442	3,870	2,808	5,000	-	-
7635 Software maintenance service fees	-	8,747	8,747	9,625	11,532	10,395
7645 Maintenance services	-	-	-	500	265	-
7699 Other services	-	-	-	-	36	-
7805 Computer equipment	-	-	404	1,200	-	865
7806 Software licenses-new	10,770	113	131	-	-	-
7820 Office furniture & equipment	2,969	695	1,043	375	340	375
<i>O&amp;M NON-PERSONNEL TOTAL</i>	78,057	68,492	65,625	71,690	59,010	63,235
	588,780	571,702	556,991	558,759	563,913	578,855





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

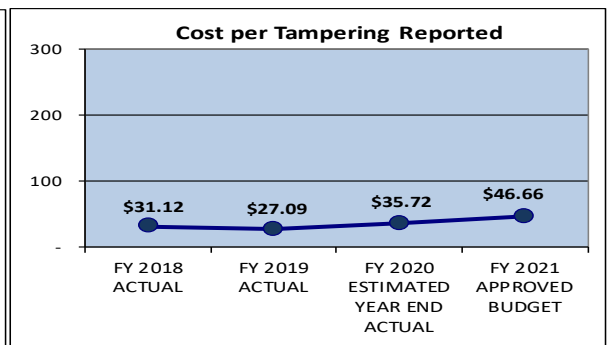
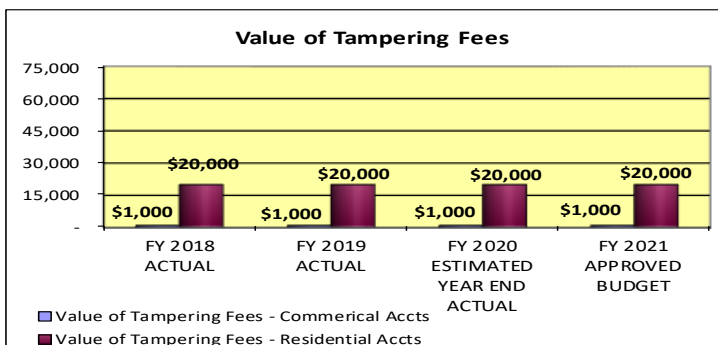
#### OUTCOME MEASURES

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 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
3	3	3	3
\$ 199,581	\$ 196,438	\$ 217,021	\$ 214,891
\$ 21,176	\$ 15,310	\$ 8,008	\$ 18,410
7,093	7,816	6,300	5,000
102	83	48	50
6	6	4	10
108	89	52	60
36	31	30	50
\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000
\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000
\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000
\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
\$ 31.12	\$ 27.09	\$ 35.72	\$ 46.66
\$ 1.78	\$ 1.71	\$ 1.81	\$ 1.88





## DEPARTMENT 5140 – REVENUE RECOVERY

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 51,696	\$ 51,813	\$ 52,012	\$ 51,813	\$ 53,851	\$ 53,498
6115 Operational staff	77,720	83,139	83,424	83,013	86,734	85,717
6130 Overtime	296	372	215	1,197	27	1,545
6201 T.M.R.S.	22,360	24,201	24,030	23,554	24,567	24,683
6205 F.I.C.A.	7,427	7,942	7,922	8,359	8,194	8,631
6210 Medicare	1,737	1,857	1,853	1,955	1,916	2,019
6214 Dental Insurance	759	814	1,649	2,103	1,904	2,103
6215 Hospitalization insurance	24,779	27,139	28,290	31,727	31,718	35,998
6220 Life Insurance	178	156	133	161	129	165
6221 Long Term Disability Insurance	343	114	203	270	267	278
6225 Workers Compensation	3,159	3,383	3,391	3,371	3,515	3,480
6230 Vacation leave	295	(196)	570	1,721	637	1,778
6235 Sick leave	2,016	(1,154)	(7,253)	1,894	3,562	1,956
6260 Vacancy Savings	-	-	-	(10,316)	-	(6,961)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>192,766</u>	<u>199,581</u>	<u>196,438</u>	<u>200,821</u>	<u>217,021</u>	<u>214,891</u>
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	-	75	525	675	-	75
7120 Office supplies	1,102	352	1,020	2,120	186	1,400
7125 Photo equipment/supplies	-	-	-	-	-	-
7130 Postage/shipping charges					104	
7140 Training expenses	400	400	425	378	-	825
7145 Travel expenses	66	1,303	56	992	-	992
7220 Medical supplies	-	-	-	100	-	100
7225 Safety supplies	820	92	529	2,333	112	3,435
7299 Other materials & supplies	2,418	6,350	4,571	6,000	2,768	6,000
7315 Food, meals, ice, water	116	52	46	578	81	578
7325 Rental of equip/storage/land	2,100	2,100	2,100	2,100	2,100	-
7335 Wearing apparel & dry goods	2,439	3,737	2,670	1,830	-	1,830
7415 Fuels & lubricants	3,244	3,759	3,367	3,000	2,658	3,000
7820 Office furniture & equipment	441	444	-	-	-	-
7835 Tools, shop and garage equipment	-	-	-	-	-	-
7899 Other minor tools & equipment	-	2,512	-	175	-	175
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>13,147</u>	<u>21,176</u>	<u>15,310</u>	<u>20,281</u>	<u>8,008</u>	<u>18,410</u>
	<b>205,913</b>	<b>220,757</b>	<b>211,748</b>	<b>221,102</b>	<b>225,029</b>	<b>233,301</b>





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 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 133,646	\$ 136,677	\$ 137,202	\$ 136,677	\$ 142,060	\$ 141,128
6110 Clerical staff	59,276	59,225	59,632	58,614	61,669	60,507
6130 Overtime	441	397	368	634	403	436
6201 T.M.R.S.	34,542	36,747	36,622	34,117	37,268	35,750
6205 F.I.C.A.	11,065	11,598	11,630	12,108	12,266	12,501
6210 Medicare	2,782	2,939	2,950	2,832	3,056	2,924
6214 Dental Insurance	782	813	1,393	1,854	1,515	1,653
6215 Hospitalization insurance	20,783	20,398	22,114	26,738	23,983	26,876
6220 Life Insurance	252	215	182	221	175	228
6221 Long Term Disability Insurance	506	165	269	391	346	403
6225 Workers Compensation	4,879	5,137	5,168	4,882	5,333	5,041
6230 Vacation leave	(4,045)	2,573	1,357	2,493	4,110	2,575
6235 Sick leave	4,751	1,430	878	2,743	(11,270)	2,833
6242 Auto Benefits	7,500	7,500	7,788	7,500	7,500	7,500
6243 Telephone Benefits	1,680	1,680	1,745	1,680	1,680	1,680
6260 Vacancy Savings	-	-	-	(13,922)	-	(10,082)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>278,839</i>	<i>287,493</i>	<i>289,298</i>	<i>279,562</i>	<i>290,093</i>	<i>291,953</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	300	-	300
7110 Dues & memberships	1,500	1,500	1,500	1,500	1,522	1,500
7120 Office supplies	2,454	1,111	1,028	1,000	368	700
7130 Postage/shipping charges	-	-	-	75	-	50
7140 Training expenses	1,645	1,980	825	1,113	1,319	2,000
7145 Travel expenses	4,447	7,299	5,179	3,840	3,345	4,000
7299 Other materials & supplies	7,432	-	-	-	-	-
7315 Food, meals, ice, water	290	352	235	400	278	200
7325 Rental of equip/storage/land	-	1,930	648	800	470	800
7348 Customer Assistance Program	19,085	20,695	15,029	50,000	35,033	30,000
7601 Legal Fees	40,235	11,946	18,569	16,000	10,659	16,000
7645 Maintenance services	1,090	-	-	500	-	500
7699 Other services	382	-	35,814	25,000	14,000	25,000
7806 Software licenses-new	-	-	-	-	340	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>78,560</i>	<i>46,813</i>	<i>78,825</i>	<i>100,528</i>	<i>67,333</i>	<i>81,050</i>
	<b>357,399</b>	<b>334,306</b>	<b>368,123</b>	<b>380,090</b>	<b>357,426</b>	<b>373,003</b>





# BROWNVILLE PUBLIC UTILITIES BOARD

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

## 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 Connects - 2020 COVID - Remote activity  
Online/Fax/Email Requests  
Total for Department

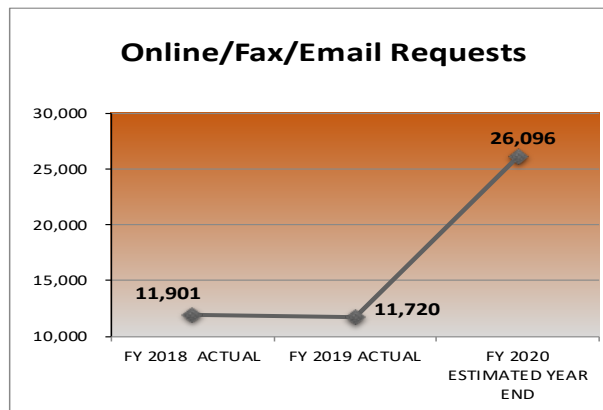
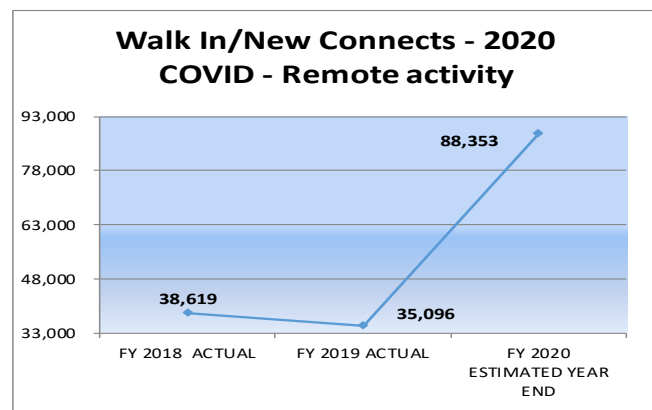
### OUTCOME MEASURES

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

### EFFICIENCY MEASURES

Cost Per Transaction  
Transactions per FTE

FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END	FY 2021 PROPOSED BUDGET
14	14	14	14
\$ 799,524	\$ 764,736	\$ 819,740	\$ 798,309
\$ 90,027	\$ 81,724	\$ 22,527	\$ 70,920
\$ 889,551	\$ 846,460	\$ 842,267	\$ 869,229
38,619	35,096	88,353	37,500
11,901	11,720	26,096	13,500
50,520	46,816	114,449	51,000
65,300	66,629	68,095	69,500
6%	6%	14%	6%
13	10	10	10
\$ 17.61	\$ 18.08	\$ 7.36	\$ 17.04
3,609	3,344	8,175	3,643





## DEPARTMENT 6110 - CUSTOMER SERVICE

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 132,661	\$ 130,332	\$ 124,400	\$ 130,125	\$ 135,234	\$ 134,347
6110 Clerical staff	374,737	395,741	388,736	380,228	417,158	384,139
6130 Overtime	1,901	1,552	1,609	2,441	5,661	2,064
6201 T.M.R.S.	89,750	94,369	92,389	89,159	98,121	91,928
6205 F.I.C.A.	30,291	31,422	30,835	31,642	33,188	32,146
6206 Suta					1,888	
6210 Medicare	7,084	7,349	7,211	7,400	7,762	7,518
6214 Dental Insurance	3,617	3,753	6,272	7,561	7,252	7,685
6215 Hospitalization insurance	96,574	102,510	105,460	116,373	120,230	130,946
6220 Life Insurance	710	624	524	624	524	633
6221 Long Term Disability Insurance	1,234	393	718	947	977	961
6225 Workers Compensation	12,996	13,403	13,141	12,759	14,040	12,962
6230 Vacation leave	4,287	3,037	1,383	6,516	7,971	6,621
6235 Sick leave	8,389	6,545	(9,705)	7,168	(27,646)	7,285
6240 Educational assistance	12,631	8,494	1,762	-	(2,620)	5,000
6260 Vacancy Savings	-	-	-	(38,841)	-	(25,924)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>776,861</u>	<u>799,524</u>	<u>764,736</u>	<u>754,101</u>	<u>819,740</u>	<u>798,309</u>
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	-	-	60	120	22	420
7120 Office supplies	5,073	3,638	4,490	7,250	5,778	7,250
7125 Photo equipment/supplies					300	
7130 Postage/shipping charges	-	-	-	150	201	250
7140 Training expenses	425	3,020	755	1,134	1,020	-
7145 Travel expenses	885	3,993	1,516	3,712	2,318	-
7299 Other materials & supplies	693	1	-	-	-	-
7315 Food, meals, ice, water	1,025	969	1,129	2,000	939	-
7325 Rental of equip/storage/land	4,026	3,614	4,009	4,500	3,338	4,500
7645 Maintenance services	1,557	-	-	1,700	-	-
7699 Other services	15,490	71,429	66,100	55,000	6,668	55,000
7820 Office furniture & equipment	2,433	3,361	3,664	3,500	1,945	3,500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>31,605</u>	<u>90,027</u>	<u>81,724</u>	<u>79,066</u>	<u>22,527</u>	<u>70,920</u>
	<b>808,466</b>	<b>889,551</b>	<b>846,460</b>	<b>833,167</b>	<b>842,267</b>	<b>869,229</b>





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

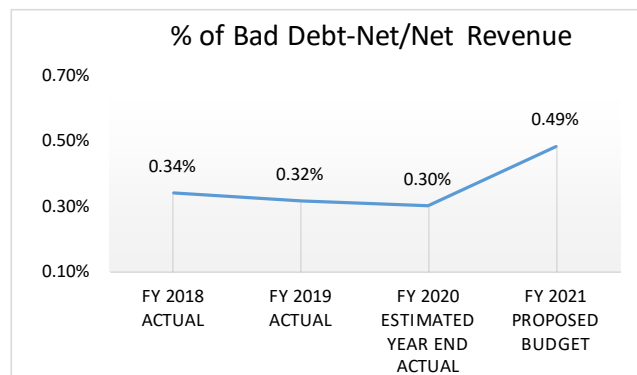
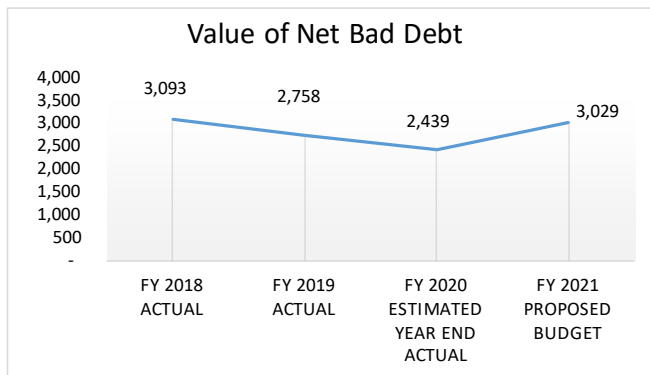
Value of Net Bad Debt

### EFFICIENCY MEASURES

Average Write-off Amount per Acct.

% of Bad Debt-Net/Net Revenue

	FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 PROPOSED BUDGET
FTE	4	4	4	4
O&M Personnel Expenses	\$ 161,296	\$ 208,048	\$ 213,663	\$ 234,339
O&M Non-Personnel Expenses	\$ 285,770	\$ 442,945	\$ 244,046	\$ 308,800
Total O&M Expenses	\$ 447,066	\$ 650,993	\$ 457,709	\$ 543,139
No. of Service Orders Reviewed	38,639	23,298	9,264	34,947
No. of Accounts Billed	779,212	794,045	805,345	818,741
No. of Returned Checks	2,333	2,235	1,920	2,456
No. of Bad Debt Accounts	3,093	2,758	2,439	3,029
Value of Billed Accounts	\$ 208,426,180	\$ 205,301,657	\$ 206,337,774	\$ 209,769,969
Value of Returned Checks	\$ 732,552	\$ 880,537	\$ 761,524	\$ 803,722
Value of Returned Check Fees	\$ 50,575	\$ 52,625	\$ 44,316	\$ 50,098
Value of Bad Debt	\$ 1,032,882	\$ 971,453	\$ 885,645	\$ 1,501,930
Value of Bad Debt Collected	\$ 321,876	\$ 320,016	\$ 289,307	\$ 484,478
Value of Net Bad Debt	\$ 711,006	\$ 651,437	\$ 626,527	\$ 1,017,452
Average Write-off Amount per Acct.	\$ 333.94	\$ 352.23	\$ 363.12	\$ 495.85
% of Bad Debt-Net/Net Revenue	0.34%	0.32%	0.30%	0.49%





## DEPARTMENT 6115 – COLLECTIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 41,895	\$ 42,016	\$ 63,517	\$ 80,621	\$ 84,337	\$ 83,242
6110 Clerical staff	85,418	61,844	55,564	62,816	65,551	64,854
6130 Overtime	310	469	617	1,710	70	1,466
6201 T.M.R.S.	23,836	18,658	24,561	25,058	26,200	26,257
6205 F.I.C.A.	7,956	6,030	8,117	8,893	8,645	9,182
6206 Suta	-	-	-	-	2,075	-
6210 Medicare	1,861	1,410	1,898	2,080	2,022	2,147
6214 Dental Insurance	1,002	812	1,687	2,587	2,340	2,587
6215 Hospitalization insurance	29,159	24,937	28,038	38,742	38,625	43,855
6220 Life Insurance	182	127	124	178	145	183
6221 Long Term Disability Insurance	334	88	186	287	285	296
6225 Workers Compensation	3,368	2,608	3,462	3,586	3,749	3,702
6230 Vacation leave	1,564	799	4,495	1,831	3,828	1,891
6235 Sick leave	7,769	1,497	15,781	2,015	(24,209)	2,081
6260 Vacancy Savings	-	-	-	(11,242)	-	(7,405)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>204,655</u>	<u>161,296</u>	<u>208,048</u>	<u>219,162</u>	<u>213,663</u>	<u>234,339</u>
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	115	105	270	900	120	400
7120 Office supplies	371	432	411	1,200	-	600
7130 Postage/shipping charges	-	-	-	100	-	-
7140 Training expenses	-	-	199	462	-	-
7145 Travel expenses	-	-	-	832	-	-
7299 Other materials & supplies	691	523	493	1,000	122	600
7301 Bad debt expense	995,132	284,596	405,823	300,000	243,990	300,000
7302 Bankruptcy expenses	1,225	-	(326)	-	(2,024)	-
7315 Food, meals, ice, water	272	114	124	600	79	200
7415 Fuels & lubricants	-	-	-	-	-	-
7601 Legal Fees	-	-	34,545	12,000	1,758	7,000
7699 Other services	46	-	-	3,000	-	-
7820 Office furniture & equipment	-	-	1,406	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>997,853</u>	<u>285,770</u>	<u>442,945</u>	<u>320,094</u>	<u>244,046</u>	<u>308,800</u>
	<b>1,202,508</b>	<b>447,066</b>	<b>650,993</b>	<b>539,256</b>	<b>457,709</b>	<b>543,139</b>





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)

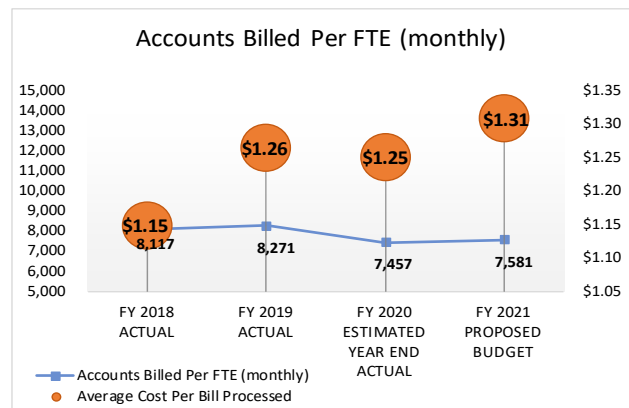
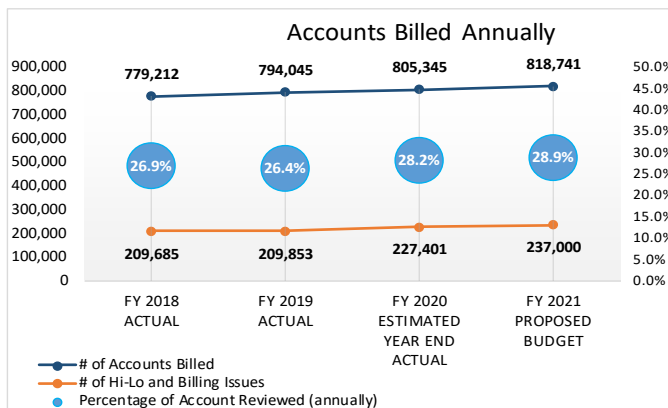
**OUTCOME MEASURES**

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 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 PROPOSED BUDGET
FTE	8	8	9	9
Personnel O&M Costs	\$ 418,609	\$ 520,463	\$ 535,289	\$ 556,297
Non-Personnel O&M Costs	\$ 475,680	\$ 482,989	\$ 471,567	\$ 514,675
Total O&M Costs	\$ 894,289	\$ 1,003,452	\$ 1,006,856	\$ 1,070,972
# of Accounts Billed	779,212	794,045	805,345	818,741
# of Hi-Lo and Billing Issues	209,685	209,853	227,401	237,000
# of Bills/Reminders Folded (Electronic Bills not included)	751,309	758,787	751,886	187,972
Value of Accounts Billed	\$ 208,426,180	\$ 205,301,657	\$ 206,337,774	\$ 209,769,969
Percentage of account billed on time	100%	100%	100%	100%
Average Cost Per Bill Processed	\$ 1.15	\$ 1.26	\$ 1.25	\$ 1.31
Percentage of Account Reviewed (annually)	26.9%	26.4%	28.2%	28.9%
Accounts Billed Per FTE (monthly)	8,117	8,271	7,457	7,581
Hi Lo & Billing Issues Per FTE (monthly)	2,184	2,186	2,106	2,194
Bills/Reminders folded Per FTE (monthly)	7,826	7,904	6,962	1,740





## DEPARTMENT 6120 – BILLING

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 53,083	\$ 51,792	\$ 119,124	\$ 124,218	\$ 129,100	\$ 128,253
6110 Clerical staff	148,332	185,544	184,781	187,075	201,249	198,931
6115 Operational staff	26,258	26,306	26,369	26,166	27,502	27,019
6130 Overtime	1,010	1,822	1,365	3,880	222	4,007
6201 T.M.R.S.	40,167	47,478	58,740	58,954	62,560	62,800
6205 F.I.C.A.	13,016	15,409	19,207	20,922	20,746	21,961
6210 Medicare	3,044	3,604	4,492	4,893	4,852	5,136
6214 Dental Insurance	1,900	2,169	4,300	5,533	5,006	5,533
6215 Hospitalization insurance	58,617	64,061	75,819	87,345	87,098	98,873
6220 Life Insurance	326	324	308	414	340	432
6221 Long Term Disability Insurance	596	219	428	675	676	708
6225 Workers Compensation	5,684	6,637	8,308	8,436	9,006	8,855
6230 Vacation leave	(289)	5,091	2,240	4,309	8,582	4,523
6235 Sick leave	4,616	8,155	14,329	4,740	(23,813)	4,977
6240 Educational assistance	-	-	654	-	2,163	2,000
6260 Vacancy Savings	-	-	-	(26,232)	-	(17,710)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>356,362</b>	<b>418,609</b>	<b>520,463</b>	<b>511,328</b>	<b>535,289</b>	<b>556,297</b>
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	425	710	420	795	225	795
7120 Office supplies	1,029	589	988	1,000	697	1,000
7130 Postage/shipping charges	303,363	318,741	321,275	345,000	297,798	345,000
7140 Training expenses	100	198	2,700	1,680	650	2,080
7145 Travel expenses	-	-	2,282	2,656	3,267	-
7299 Other materials & supplies	70,760	66,515	56,871	68,000	75,421	68,000
7315 Food, meals, ice, water	268	341	301	300	158	300
7325 Rental of equip/storage/land	84,132	80,648	86,132	86,500	84,779	86,500
7335 Wearing apparel & dry goods	296	169	170	500	11	500
7415 Fuels & lubricants	1,841	1,974	2,319	3,500	1,078	3,500
7635 Software maintenance service fees	5,545	5,795	6,045	6,500	6,245	6,500
7645 Maintenance services	-	-	-	-	-	-
7801 Communication equipment	-	-	-	500	-	500
7805 Computer equipment	-	-	300	-	-	-
7820 Office furniture & equipment	1,110	-	3,186	2,000	1,239	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>468,869</b>	<b>475,680</b>	<b>482,989</b>	<b>518,931</b>	<b>471,567</b>	<b>514,675</b>
	<b>825,231</b>	<b>894,289</b>	<b>1,003,452</b>	<b>1,030,259</b>	<b>1,006,856</b>	<b>1,070,972</b>





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

**PERFORMANCE MEASURES  
FOR THE  
CALL CENTER DEPARTMENT**

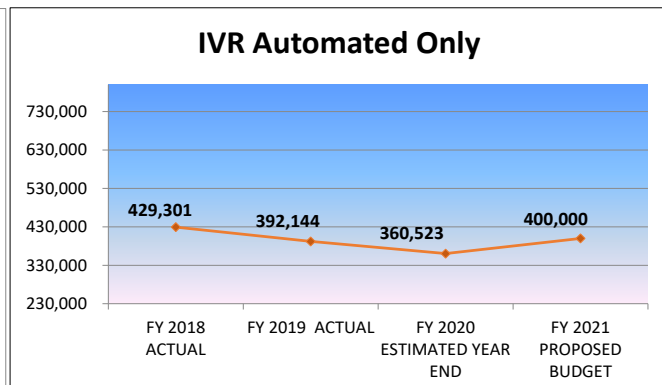
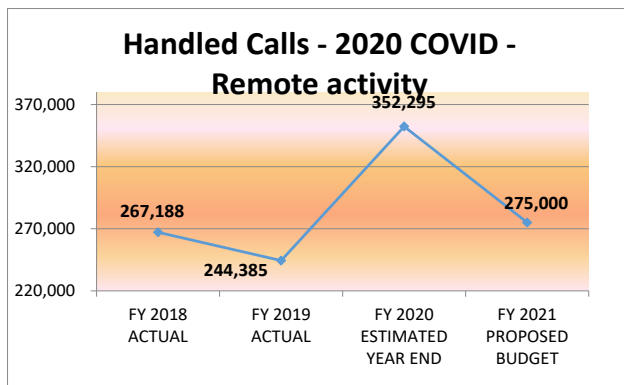
**Department Function:**

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.

	FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END	FY 2021 PROPOSED BUDGET
<b>INPUT MEASURES</b>				
FTE's	12	12	12	12
Personnel O & M Expenses	\$ 597,861	\$ 609,135	\$ 617,104	\$ 678,801
Non Personnel O & M Expenses	\$ 6,065	\$ 9,262	\$ 62,382	\$ 35,675
Total O & M Expenses	\$ 603,926	\$ 618,397	\$ 679,486	\$ 714,476
<b>OUTPUT MEASURES</b>				
Handled Calls - 2020 COVID - Remote activity	267,188	244,385	352,295	275,000
IVR Automated Only	429,301	392,144	360,523	400,000
Total Calls	696,489	636,529	712,818	675,000
<b>OUTCOME MEASURES</b>				
Number of Accounts	65,300	66,629	68,095	69,500
Percent Customer Base Interactions	34%	31%	43%	33%
Average Wait Time in Minutes	3	2	2	2
<b>EFFICIENCY MEASURES</b>				
Average Cost Per Call	\$ 0.87	\$ 0.97	\$ 0.95	\$ 1.06
Transactions Handled per Agent	22,266	20,365	29,358	22,917





## DEPARTMENT 6125 - CALL CENTER

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 51,467	\$ 50,960	\$ 51,156	\$ 50,960	\$ 52,971	\$ 52,624
6110 Clerical staff	305,723	328,586	330,936	336,294	347,358	361,733
6130 Overtime	1,869	2,011	1,640	3,167	3,785	3,075
6201 T.M.R.S.	62,995	68,283	68,252	67,653	70,778	73,465
6205 F.I.C.A.	20,621	21,902	21,686	24,010	22,685	25,690
6206 Suta					183	
6210 Medicare	4,823	5,122	5,072	5,615	5,305	6,008
6214 Dental Insurance	3,150	3,234	6,374	8,364	7,382	8,038
6215 Hospitalization insurance	93,543	99,663	107,070	124,764	122,020	135,267
6220 Life Insurance	520	464	404	490	399	517
6221 Long Term Disability Insurance	941	324	567	775	772	829
6225 Workers Compensation	8,946	9,550	9,650	9,681	10,339	10,359
6230 Vacation leave	2,444	2,745	2,073	4,944	8,574	5,291
6235 Sick leave	5,785	5,017	4,255	5,439	(38,580)	5,822
6240 Educational assistance	-	-	-	3,840	3,133	10,800
6260 Vacancy Savings	-	-	-	(31,430)	-	(20,718)
<i>O&amp;M PERSONNEL TOTAL</i>	562,826	597,861	609,135	614,567	617,104	678,801
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	-	-	30	-	-	120
7120 Office supplies	2,851	2,143	2,480	4,000	1,857	2,500
7125 Photo equipment/supplies	-	-	18	-	-	-
7130 Postage/shipping charges	-	-	-	100	-	100
7140 Training expenses	-	-	680	147	325	-
7145 Travel expenses	-	-	1,536	576	1,054	-
7299 Other materials & supplies	273	1	-	-	-	-
7315 Food, meals, ice, water	976	979	1,008	1,200	414	225
7645 Maintenance services	1,304	-	-	1,700	-	-
7699 Other services	-	-	-	30,000	58,732	30,000
7820 Office furniture & equipment	2,127	2,942	3,540	2,420	-	2,850
<i>O&amp;M NON-PERSONNEL TOTAL</i>	7,531	6,065	9,292	40,143	62,382	35,795
	570,357	603,926	618,427	654,710	679,486	714,596





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**

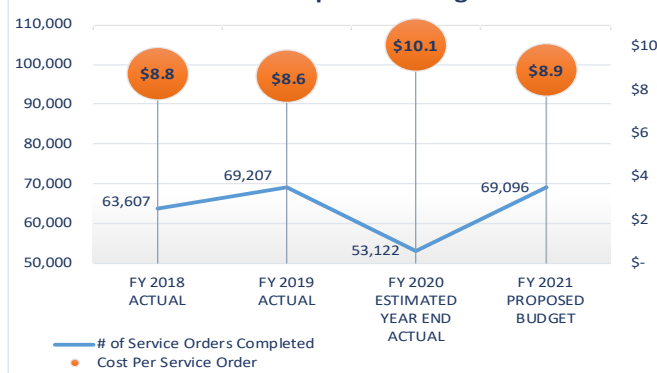
Value of Reconnect Fees  
Value of Reconnect Services  
Accumulated Value

**EFFICIENCY MEASURES**

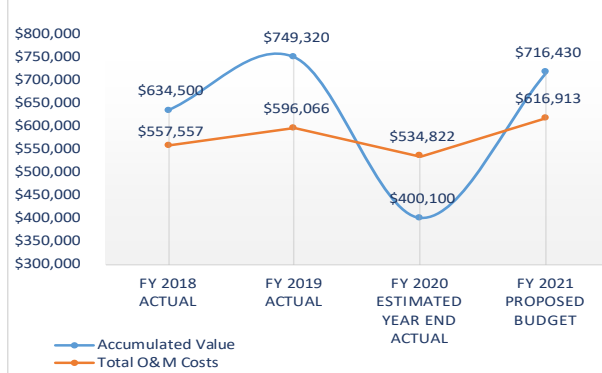
Cost Per Service Order

FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 PROPOSED BUDGET
9	9	9	9
\$ 482,196	\$ 527,258	\$ 476,938	\$ 542,993
\$ 75,361	\$ 68,808	\$ 57,884	\$ 73,920
\$ 557,557	\$ 596,066	\$ 534,822	\$ 616,913
63,607	69,207	53,122	69,096
12,210	14,155	8,000	13,713
10,445	12,377	6,560	11,793
312	268	260	354
\$ 626,700	\$ 742,620	\$ 393,600	\$ 707,580
\$ 7,800	\$ 6,700	\$ 6,500	\$ 8,850
\$ 634,500	\$ 749,320	\$ 400,100	\$ 716,430
\$ 8.77	\$ 8.61	\$ 10.07	\$ 8.93

**Service Orders Completed & Avg Cost each**



**Value of Reconnect Services**





## DEPARTMENT 6130 – METER SERVICES

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ -	\$ 28,877	\$ 47,105	\$ 46,925	\$ 46,525	\$ 48,443
6115 Operational staff	313,570	267,902	286,440	278,283	295,318	287,331
6130 Overtime	12,248	10,965	9,019	12,041	1,621	11,811
6201 T.M.R.S.	57,162	60,860	60,371	56,814	60,811	59,533
6205 F.I.C.A.	19,299	20,328	19,849	20,163	20,042	20,818
6210 Medicare	4,513	4,754	4,642	4,716	4,687	4,869
6214 Dental Insurance	2,355	2,221	4,978	6,385	5,888	6,711
6215 Hospitalization insurance	63,310	61,204	74,520	84,498	86,511	101,781
6220 Life Insurance	436	347	333	403	319	414
6221 Long Term Disability Insurance	807	241	487	650	628	672
6225 Workers Compensation	8,076	8,514	8,520	8,130	8,701	8,394
6230 Vacation leave	1,561	5,694	7,477	4,152	(2,566)	4,288
6235 Sick leave	11,950	10,289	3,517	4,568	(51,546)	4,718
6260 Vacancy Savings	-	-	-	(25,348)	-	(16,789)
<i>O&amp;M PERSONNEL TOTAL</i>	495,288	482,196	527,258	502,380	476,938	542,993
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	60	-	75	420	75	420
7120 Office supplies	978	1,126	818	1,800	1,243	1,800
7140 Training expenses	-	9,500	1,180	1,995	-	2,000
7145 Travel expenses	-	-	-	4,224	3,277	2,000
7180 Utilities - departmental	-	-	-	1,500	930	-
7225 Safety supplies	374	790	2,138	2,200	4,048	5,000
7299 Other materials & supplies	11,256	10,761	13,289	15,000	15,561	14,000
7315 Food, meals, ice, water	215	606	439	400	174	400
7325 Rental of equip/storage/land	7,753	7,786	7,786	7,950	7,390	8,511
7335 Wearing apparel & dry goods	13,066	19,853	12,993	8,500	1,640	6,289
7415 Fuels & lubricants	23,405	23,114	24,505	25,000	19,620	25,000
7505 Maint. of communication equipment	326	-	878	1,500	238	2,500
7635 Software maintenance service fees	2,930	1,824	2,731	4,000	2,763	4,000
7699 Other services	-	-	-	-	563	500
7835 Tools, shop and garage equipment	422	-	-	500	-	500
7899 Other minor tools & equipment	-	-	1,977	2,000	361	1,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	60,785	75,361	68,808	76,989	57,884	73,920
	556,073	557,557	596,066	579,369	534,822	616,913





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

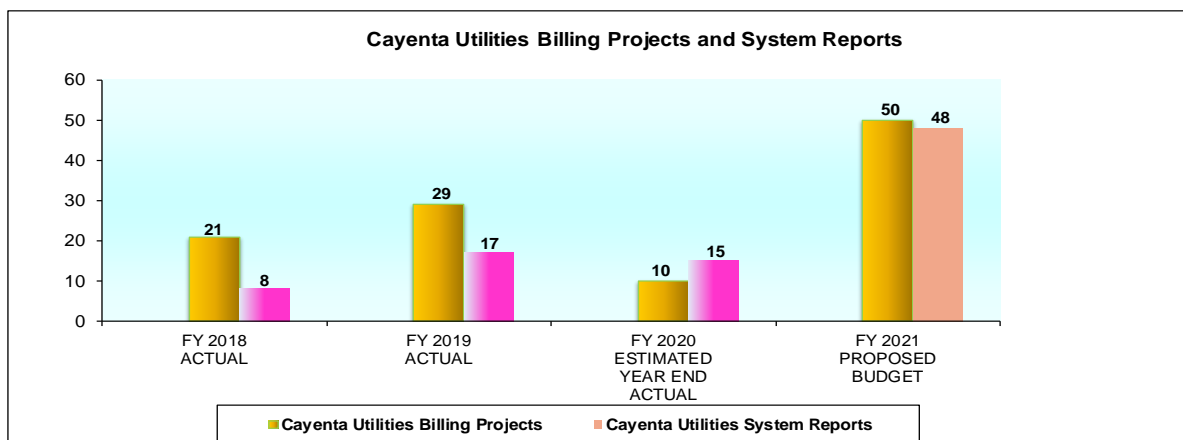
**OUTPUT MEASURES**

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 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 PROPOSED BUDGET
3	3	3	3
\$ 400,334	\$ 459,594	\$ 470,172	\$ 502,557
21	29	10	50
8	17	15	48
100%	100%	100%	100%
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes





## DEPARTMENT 6135 – CIS SUPPORT

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 83,579	\$ 85,323	\$ 85,441	\$ 85,114	\$ 89,310	\$ 87,880
6110 Clerical staff	83,010	86,102	86,560	85,696	91,550	88,483
6130 Overtime	659	644	399	3,708	236	3,829
6201 T.M.R.S.	28,797	30,772	30,540	29,840	31,640	31,269
6205 F.I.C.A.	9,886	10,380	10,264	10,590	10,861	10,935
6210 Medicare	2,312	2,428	2,400	2,477	2,540	2,557
6214 Dental Insurance	792	814	1,415	1,777	1,497	1,653
6215 Hospitalization insurance	19,823	20,432	22,889	26,386	22,930	26,876
6220 Life Insurance	222	191	160	197	156	202
6221 Long Term Disability Insurance	438	144	256	342	339	353
6225 Workers Compensation	4,068	4,302	4,310	4,270	4,527	4,409
6230 Vacation leave	278	(317)	1,788	2,181	4,207	2,252
6235 Sick leave	5,216	(5,799)	(737)	2,399	(6,664)	2,478
6260 Vacancy Savings	-	-	-	(12,334)	-	(8,818)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>239,078</u>	<u>235,414</u>	<u>245,685</u>	<u>242,642</u>	<u>253,129</u>	<u>254,357</u>
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	135	165	180	200	45	200
7120 Office supplies	179	729	1,062	1,800	2,234	1,800
7130 Postage/shipping charges	-	-	-	100	-	100
7140 Training expenses	3,150	4,026	3,225	1,869	-	-
7145 Travel expenses	2,413	4,794	3,797	2,464	2,546	-
7299 Other materials & supplies	197	402	2,602	500	13	500
7315 Food, meals, ice, water	629	38	440	600	350	600
7415 Fuels & lubricants	-	-	-	-	-	-
7635 Software maintenance service fees	136,227	140,730	168,275	220,001	200,380	220,000
7699 Other services	42,480	12,668	34,328	60,000	1,680	25,000
7820 Office furniture & equipment	1,274	1,368	-	-	3,944	-
7899 Other minor tools & equipment	-	-	-	-	5,851	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>186,683</u>	<u>164,920</u>	<u>213,908</u>	<u>287,534</u>	<u>217,043</u>	<u>248,200</u>
	<b>425,761</b>	<b>400,334</b>	<b>459,593</b>	<b>530,176</b>	<b>470,172</b>	<b>502,557</b>





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  
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

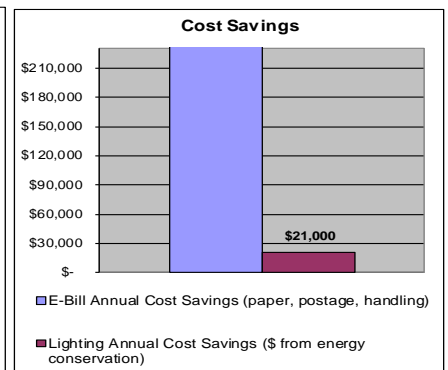
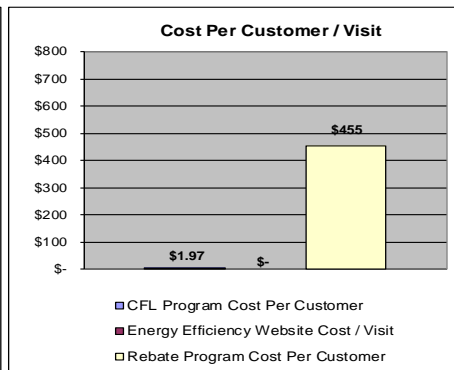
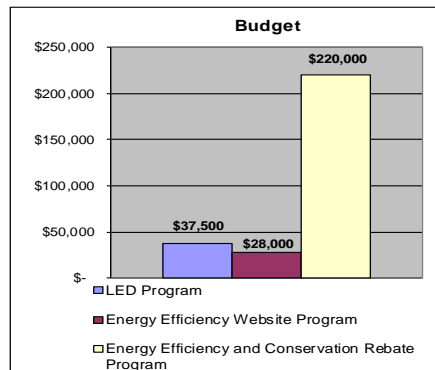
**OUTCOME MEASURES**

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 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 PROPOSED BUDGET
1	1	1	1
\$ 37,500	\$ 37,500	\$ 37,500	\$ 37,500
\$ 28,000	\$ 28,000	\$ 28,000	\$ 28,000
\$ 230,000	\$ 235,000	\$ 200,000	\$ 220,000
\$ 300,000	\$ 220,000	\$ 200,000	\$ 190,000
\$ 530,000	\$ 455,000	\$ 400,000	\$ 410,000
\$ -	\$ -	\$ -	\$ -
168	160	190	TBD
9,000	5,471	7,000	9,000
800	767	850	900
-	-	-	-
153,720	155,820	183,048	190,000
\$ 1.78	\$ 1.97	\$ 1.97	\$ 1.97
\$ 167	\$ 175	\$ 147	TBD
\$ 662	\$ 593	\$ 471	\$ 455
\$ 195,224	\$ 197,890	\$ 232,470	\$ 241,299
\$ 21,000	\$ 21,000	\$ 21,000	\$ 21,000





## DEPARTMENT 6145 – ENERGY EFFICIENCY & CONSERVATION

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6105 Administrative Staff	\$ 46,785	\$ 48,650	\$ 48,838	\$ 48,651	\$ 50,564	\$ 50,232
6201 T.M.R.S.	7,993	8,701	8,651	8,499	8,834	8,906
6205 F.I.C.A.	2,640	2,817	2,845	3,016	2,847	3,114
6210 Medicare	617	659	665	705	666	728
6214 Dental Insurance	261	272	538	685	620	685
6215 Hospitalization insurance	8,100	8,438	8,785	9,861	11,882	14,071
6220 Life Insurance	64	56	47	57	46	59
6221 Long Term Disability Insurance	123	41	74	97	96	100
6225 Workers Compensation	1,129	1,216	1,221	1,216	1,264	1,256
6230 Vacation leave	(469)	141	842	621	(329)	641
6235 Sick leave	1,980	1,289	795	683	(5,936)	706
6260 Vacancy Savings	-	-	-	(3,639)	-	(2,512)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>69,221</u>	<u>72,279</u>	<u>73,302</u>	<u>70,455</u>	<u>70,553</u>	<u>77,987</u>
<i>O&amp;M NON-PERSONNEL</i>						
7102 Sponsorships	-	-	-	-	-	-
7105 Books & periodicals	-	-	-	200	-	100
7110 Dues & memberships	-	-	-	100	-	100
7120 Office supplies	322	149	155	400	-	300
7130 Postage/shipping charges	1,076	-	-	1,500	-	500
7140 Training expenses	-	-	-	1,092	-	400
7145 Travel expenses	1,190	-	1,054	1,280	-	300
7299 Other materials & supplies	-	-	-	400	-	-
7315 Food, meals, ice, water	12	13	-	100	14	100
7340 Promo Exp-Energy Efficiency & Consv	26,011	23,859	17,275	28,000	13,400	25,000
7345 Rebate Exp-Energy Efficiency & Cnsrv	244,929	263,060	265,537	200,000	231,916	195,000
7346 Water Efficiency Program	10,831	5,986	-	10,000	-	7,000
7347 Commercial & Industrial Rebate Prog	193,851	151,386	189,137	200,000	128,488	170,000
7415 Fuels & lubricants	-	48	281	500	223	500
7635 Software maintenance service fees	27,250	27,250	27,250	28,000	27,250	28,000
7699 Other services	-	-	46,250	45,000	44,375	45,000
7805 Computer equipment	-	-	-	250	-	800
7820 Office furniture & equipment	101	-	-	500	-	500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>505,573</u>	<u>471,750</u>	<u>546,939</u>	<u>517,322</u>	<u>445,666</u>	<u>473,600</u>
	<b>574,794</b>	<b>544,029</b>	<b>620,241</b>	<b>587,777</b>	<b>516,219</b>	<b>551,587</b>





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

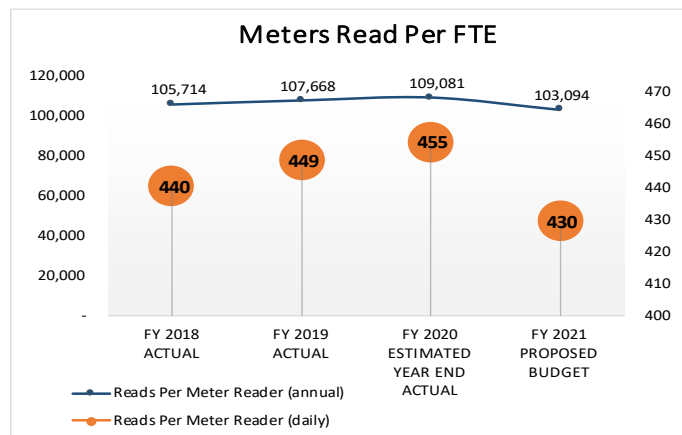
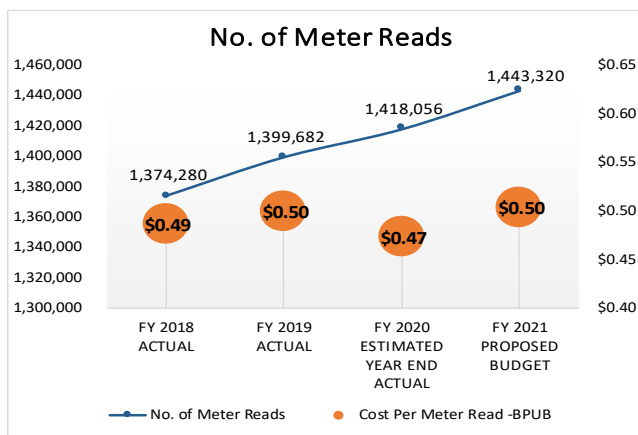
#### OUTCOME MEASURES

% of Estimated Readings  
 % of Radio Frequency Meters Installed

#### EFFICIENCY MEASURES

Cost Per Meter Read -BPUB  
 Reads Per Meter Reader (annual)  
 Reads Per Meter Reader (daily)

	FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 PROPOSED BUDGET
FTE	14	14	14	15
O&M Personnel Expenses	\$ 576,872	\$ 593,134	\$ 598,769	\$ 638,924
O&M Non-Personnel Expenses	\$ 91,526	\$ 106,151	\$ 72,056	\$ 88,050
Total O&M Expenses	\$ 668,398	\$ 699,285	\$ 670,825	\$ 726,974
No. of Meter Reads	1,374,280	1,399,682	1,418,056	1,443,320
No. of Meters Estimated	10,424	8,575	16,775	16,991
% of Estimated Readings	0.76%	0.61%	1.18%	1.18%
% of Radio Frequency Meters Installed	8%	8%	8%	8%
Cost Per Meter Read -BPUB	\$ 0.49	\$ 0.50	\$ 0.47	\$ 0.50
Reads Per Meter Reader (annual)	105,714	107,668	109,081	103,094
Reads Per Meter Reader (daily)	440	449	455	430





## DEPARTMENT 6150 – METER READING

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 45,450	\$ 45,552	\$ 45,727	\$ 45,552	\$ 47,339	\$ 47,029
6115 Operational staff	287,545	307,451	319,783	328,474	351,015	339,144
6130 Overtime	6,107	12,689	8,442	16,127	2,389	15,897
6201 T.M.R.S.	61,016	65,780	66,398	65,342	71,023	68,468
6205 F.I.C.A.	20,530	21,893	22,533	23,190	24,262	23,943
6206 Suta	7,444	(1,231)	-	-	-	-
6210 Medicare	4,801	5,120	5,270	5,423	5,674	5,600
6214 Dental Insurance	3,435	3,621	5,927	7,626	7,027	7,827
6215 Hospitalization insurance	90,794	94,617	95,249	111,738	112,999	129,034
6220 Life Insurance	506	457	406	495	408	507
6221 Long Term Disability Insurance	892	309	540	748	746	772
6225 Workers Compensation	8,796	9,267	9,398	9,351	10,168	9,654
6230 Vacation leave	7,697	5,567	2,634	4,776	105	4,931
6235 Sick leave	3,550	5,780	10,826	5,253	(34,387)	5,426
6260 Vacancy Savings	-	-	-	(29,897)	-	(19,309)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>548,564</u>	<u>576,872</u>	<u>593,134</u>	<u>594,197</u>	<u>598,769</u>	<u>638,924</u>
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	406	341	556	1,100	75	1,100
7120 Office supplies	810	1,561	1,257	2,000	1,487	2,000
7130 Postage/shipping charges	1,236	1,180	1,522	2,000	166	1,200
7140 Training expenses	-	-	1,485	903	-	750
7145 Travel expenses	-	-	1,617	1,984	1,390	1,000
7180 Utilities - departmental	3,374	3,521	3,364	3,300	3,962	3,300
7190 Utilities - CP&L & Mvec	97	99	12	-	-	-
7225 Safety supplies	1,505	2,590	1,843	3,000	4,624	5,000
7299 Other materials & supplies	11,873	9,282	14,925	15,000	9,272	15,000
7310 Federal, state, & local fees	125	-	-	100	-	100
7315 Food, meals, ice, water	558	899	901	1,200	667	1,000
7325 Rental of equip/storage/land	7,753	7,786	7,786	7,800	7,390	7,800
7335 Wearing apparel & dry goods	20,218	30,307	15,266	7,300	929	7,300
7415 Fuels & lubricants	18,096	21,924	20,091	20,000	19,097	20,000
7505 Maint. of communication equipment	1,274	-	878	1,500	295	1,000
7645 Maintenance services	10,810	11,242	33,764	13,100	21,688	20,000
7899 Other minor tools & equipment	24,257	794	885	1,500	1,014	1,500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>102,391</u>	<u>91,526</u>	<u>106,151</u>	<u>81,787</u>	<u>72,056</u>	<u>88,050</u>
	<b>650,955</b>	<b>668,398</b>	<b>699,285</b>	<b>675,984</b>	<b>670,825</b>	<b>726,974</b>





**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 - 2020 COVID closed  
 Automated Payments  
 Total Payments Processed

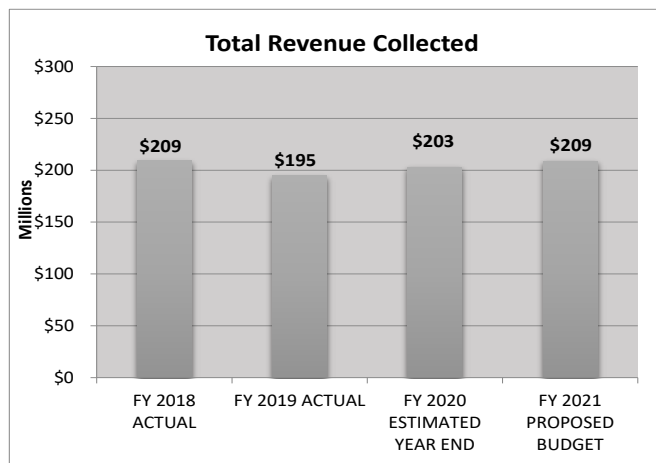
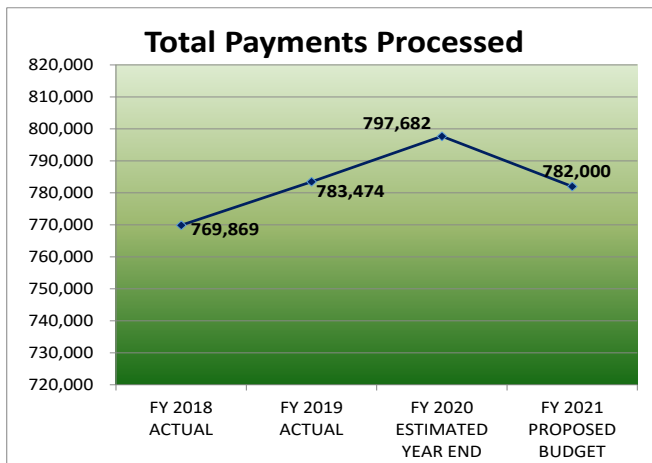
**OUTCOME MEASURES**

Number of Accounts  
 Total Revenue Collected

**EFFICIENCY MEASURES**

Transactions Per FTE  
 Cost Per Payment

	FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END	FY 2021 PROPOSED BUDGET
FTE's	8	8	8	8
Personnel O & M Expenses	\$ 415,264	\$ 430,467	\$ 407,922	425,982
Non-Personnel O & M Expenses	\$ 514,429	\$ 626,053	\$ 646,094	\$ 585,200
Total Expenses	\$ 929,693	\$ 1,056,520	\$ 1,054,016	\$ 1,011,182
Cashier Handled Payments - 2020 COVID closed	231,607	224,746	171,043	226,780
Automated Payments	538,262	558,728	626,639	555,220
Total Payments Processed	769,869	783,474	797,682	782,000
Number of Accounts	65,300	66,629	68,095	69,500
Total Revenue Collected	\$ 208,968,527	\$ 194,713,223	\$ 202,760,589	\$ 208,843,407
Transactions Per FTE	96,234	97,934	99,710	97,750
Cost Per Payment	\$ 1.21	\$ 1.35	\$ 1.32	\$ 1.29





## DEPARTMENT 6160 - CASHIERS

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 49,861	\$ 47,133	\$ 47,314	\$ 47,133	\$ 48,993	\$ 48,672
6110 Clerical staff	188,047	205,895	220,679	219,544	223,953	217,318
6130 Overtime	4,259	8,206	4,792	6,333	4,935	4,787
6201 T.M.R.S.	44,258	46,731	50,609	46,588	48,556	47,160
6205 F.I.C.A.	14,819	15,030	16,510	16,534	16,154	16,491
6210 Medicare	3,466	3,515	3,861	3,867	3,778	3,857
6214 Dental Insurance	1,950	2,054	3,918	4,848	4,382	4,848
6215 Hospitalization insurance	55,311	66,626	69,326	74,989	71,846	81,497
6220 Life Insurance	342	306	278	336	264	335
6221 Long Term Disability Insurance	624	196	394	533	509	532
6225 Workers Compensation	6,270	6,531	7,143	6,667	6,948	6,650
6230 Vacation leave	3,089	3,687	(2,013)	3,405	7,124	3,397
6235 Sick leave	6,434	9,354	7,656	3,745	(29,521)	3,737
6260 Vacancy Savings	-	-	-	(21,052)	-	(13,300)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>378,729</u>	<u>415,264</u>	<u>430,467</u>	<u>413,470</u>	<u>407,922</u>	<u>425,982</u>
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	-	-	30	-	-	-
7120 Office supplies	7,087	6,134	4,577	8,000	6,608	6,000
7130 Postage/shipping charges	-	-	-	500	-	500
7140 Training expenses	325	1,345	370	672	15	-
7145 Travel expenses	905	2,057	940	1,120	-	-
7299 Other materials & supplies	-	1,169	-	4,500	-	-
7315 Food, meals, ice, water	668	468	711	700	163	200
7635 Software maintenance service fees	3,342	3,342	3,415	4,350	3,500	4,000
7645 Maintenance services	5,037	5,560	5,394	5,500	5,037	5,500
7650 Security services	2,664	2,502	2,880	3,964	2,160	3,000
7699 Other services	519,539	489,015	596,533	280,000	628,203	560,000
7820 Office furniture & equipment	7,142	2,838	11,234	10,000	408	6,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>546,709</u>	<u>514,429</u>	<u>626,083</u>	<u>319,306</u>	<u>646,094</u>	<u>585,200</u>
	<b>925,438</b>	<b>929,693</b>	<b>1,056,550</b>	<b>732,776</b>	<b>1,054,016</b>	<b>1,011,182</b>





Department Responsibility: **Estrella Solorzano**  
 Title: **Risk Manager**  
 Telephone Ext: **6255**  
 Dept. No: **7120**

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

**Department Function:**

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

**Department Goals/Objectives:**

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

**INPUT MEASURES**

Employees  
 Total O&M Expenses

**OUTPUT MEASURES**

Operational Reports (monthly)  
 No. of Claims Filed with Insurance (WC)  
 BPUB Injury Illness Reports  
 No. of Claims Filed with Insurance (Risk)  
 No. of Paid Claims Filed with Insurance (Risk)  
 No. of Denied Claims Filed with Insurance (Risk)  
 Number of Claims in Litigation (Risk)  
 No. Electrical Claims  
 No. Electrical Claims Subrogated  
 No. Electrical Claims Subrogated and paid  
 No. Electrical Claims unable to Subrogate  
 No. Water/Wastewater Claims  
 No. Water/Wastewater Claims Subrogated  
 No. Water/Wastewater Claims Subrogated and Paid  
 No. Water/Wastewater Claims Unable to Subrogate

**OUTCOME MEASURES**

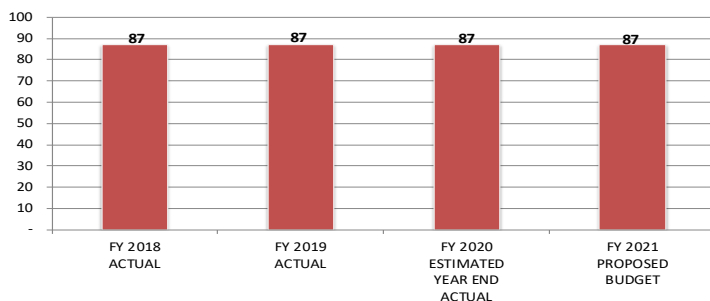
Maintain Monthly Count of Incidents by Department  
 Maintain Monthly Tally of Cost Per Injury  
 Track % of Timeliness of Reporting  
 Maintain Claims Logs  
 Track Timeliness of Claim Processing

**EFFICIENCY MEASURES**

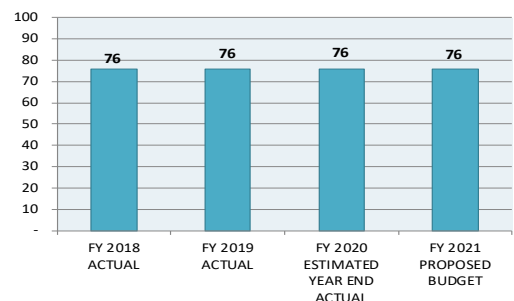
Avg. No. of Claim Per Month  
 Avg. Cost of Claim (WC)  
 No. of Work Related Injuries per Year  
 Lost Time Accident/Incident Rate  
 Avg No. of Claims Filed with Insurance Per Month (Risk)  
 Avg Cost of Claim (\$)  
 Avg No. of Subrogated Claims Per Month  
 Avg Electric Claim Subrogated Amount (\$)  
 Avg Water/Wastewater Claim Subrogated Amount (\$)  
 Avg Cost of Claims in Litigation (\$)

FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 PROPOSED BUDGET
2	3	3	3
\$ 1,976,625	\$ 1,923,312	\$ 2,205,586	\$ 2,818,654
12	12	12	12
		30	30
		12	12
125	125	125	125
15	15	15	15
108	108	108	108
5	5	5	5
87	87	87	87
36	36	36	36
36	36	36	36
67	67	67	67
76	76	76	76
13	13	13	13
11	11	11	11
60	60	60	60
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
100%	100%	100%	100%
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
		2.50	3.00
		\$ 3,000.00	\$ 3,000.00
		35	36
		4.00%	4.00%
10	10	10	10
\$ 3,490.00	\$ 3,490.00	\$ 3,490.00	\$ 3,490.00
10	10	10	10
\$ 4,769.00	\$ 4,769.00	\$ 4,769.00	\$ 4,769.00
\$ 1,532.00	\$ 1,532.00	\$ 1,532.00	\$ 1,532.00
\$ 125,000.00	\$ 125,000.00	\$ 125,000.00	\$ 125,000.00

**No. Electrical Claims**



**No. Water/Wastewater Claims**





## DEPARTMENT 7120 – RISK / INSURANCE MANAGEMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 64,398	\$ 64,542	\$ 64,791	\$ 64,542	\$ 65,020	\$ 64,563
6105 Administrative Staff	-	42,420	44,286	44,117	45,853	87,568
6110 Clerical staff	31,078	-	-	-	-	-
6130 Overtime	252	-	-	-	-	-
6201 T.M.R.S.	17,384	19,300	19,322	18,983	19,413	26,973
6205 F.I.C.A.	5,944	6,215	6,240	6,737	6,160	9,432
6210 Medicare	1,390	1,453	1,459	1,576	1,441	2,206
6214 Dental Insurance	512	532	1,248	1,619	1,466	2,103
6215 Hospitalization insurance	13,744	20,647	22,012	24,712	24,779	35,998
6220 Life Insurance	133	118	104	126	98	176
6221 Long Term Disability Insurance	259	82	164	217	211	304
6225 Workers Compensation	2,477	2,698	2,727	2,716	2,778	3,803
6230 Vacation leave	(262)	4,182	581	1,387	(1,477)	1,943
6235 Sick leave	2,107	2,185	1,485	1,526	(17,541)	2,137
6260 Vacancy Savings	-	-	-	(8,267)	-	(7,607)
<i>O&amp;M PERSONNEL TOTAL</i>	139,418	164,375	164,420	159,991	148,201	229,601
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	355	-	-	1,300	655	750
7120 Office supplies	28	192	42	200	429	500
7130 Postage/shipping charges	147	615	107	300	73	300
7135 Telephone expenses	-	-	-	-	-	-
7140 Training expenses	400	200	1,190	1,596	1,190	1,596
7145 Travel expenses	1,212	1,921	3,367	2,528	1,711	-
7199 Miscellaneous office expenses	110	-	-	-	-	-
7225 Safety supplies	128	76	-	100	33	100
7315 Food, meals, ice, water	25	25	37	100	39	100
7380 Insurance - general liability	52,623	62,357	57,560	72,000	116,063	55,000
7381 Insurance - boiler,mchnry,property	1,030,357	929,602	915,779	1,330,000	1,116,362	1,600,000
7382 Insurance - blanket bond	4,191	3,706	5,670	4,500	5,721	6,500
7384 Insurance - public officials liab	66,497	64,142	63,559	76,500	65,096	75,500
7385 Insurance - comprehensive auto liab	118,506	136,025	128,417	152,000	148,608	166,000
7386 Insurance - umbrella liability	399,491	444,123	441,203	515,000	451,642	490,000
7387 Insurance - self insured damages	77,106	14,695	17,197	250,000	13,359	30,000
7388 Excess Workers Compensation	63,660	55,057	59,284	-	44,907	58,607
7415 Fuels & lubricants	2,036	3,460	3,114	3,000	1,725	1,500
7601 Legal Fees	-	-	-	5,000	-	2,000
7635 Software maintenance service fees	4,500	-	-	-	-	-
7699 Other services	43,473	95,879	62,367	85,000	69,958	100,000
7805 Computer equipment	-	-	-	-	-	-
7820 Office furniture & equipment	-	173	-	-	215	600
7899 Other minor tools & equipment	-	-	-	-	19,600	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	1,864,844	1,812,250	1,758,893	2,499,124	2,057,385	2,589,053
	2,004,262	1,976,625	1,923,313	2,659,115	2,205,586	2,818,654





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

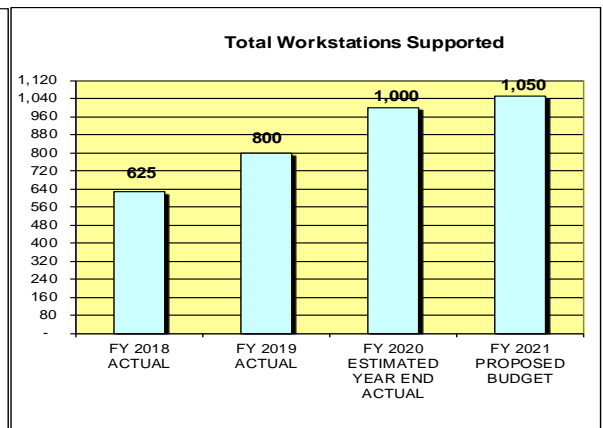
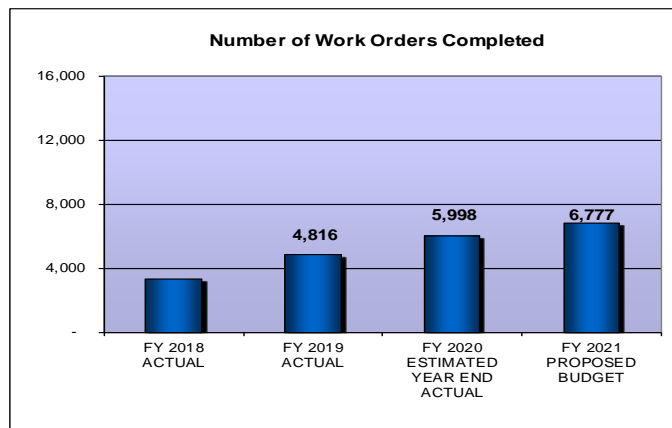
**OUTPUT MEASURES**

Number of Work Orders Completed  
 Total Workstations Supported  
 Servers Supported

**EFFICIENCY MEASURES**

Projects Completed  
 System Availability:  
 Telephones  
 Network  
 Applications  
 Internet

FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 PROPOSED BUDGET
\$ 1,552,067	\$ 1,425,411	\$ 1,536,920	\$ 1,589,918
\$ 1,460,177	\$ 1,505,485	\$ 1,782,560	\$ 1,831,600
3,300	4,816	5,998	6,777
625	800	1,000	1,050
315	265	206	226
99.90%	99.90%	99.90%	99.90%
99.90%	99.90%	99.90%	99.90%
99.90%	99.90%	99.90%	99.90%
99.90%	99.90%	99.90%	99.90%





## DEPARTMENT 7130 - INFORMATION TECHNOLOGY

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 121,146	\$ 367,973	\$ 366,457	\$ 114,317	\$ 381,209	\$ 379,933
6105 Administrative Staff	750,194	606,602	587,239	833,040	594,351	633,027
6110 Clerical staff	82,423	98,822	43,218	117,728	83,342	80,850
6130 Overtime	2,081	1,872	402	2,195	467	2,915
6201 T.M.R.S.	167,392	192,850	177,834	186,070	185,490	193,932
6205 F.I.C.A.	55,715	63,595	58,737	66,035	63,167	67,816
6210 Medicare	13,030	14,873	13,737	15,444	14,643	15,860
6214 Dental Insurance	4,286	4,655	8,046	11,156	9,677	11,156
6215 Hospitalization insurance	148,718	161,266	153,698	186,191	171,828	199,011
6220 Life Insurance	1,261	1,186	919	1,209	912	1,239
6221 Long Term Disability Insurance	2,515	922	1,475	2,130	2,017	2,188
6225 Workers Compensation	23,649	26,964	24,977	26,627	26,484	27,345
6230 Vacation leave	10,975	1,030	1,292	13,599	39,140	13,968
6235 Sick leave	37,632	9,455	(12,619)	14,959	(35,808)	15,368
6260 Vacancy Savings	-	-	-	(77,997)	-	(54,690)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>1,421,016</i>	<i>1,552,067</i>	<i>1,425,411</i>	<i>1,512,704</i>	<i>1,536,920</i>	<i>1,589,918</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	39	203	65	300	-	300
7120 Office supplies	1,633	1,639	3,759	3,500	2,895	3,500
7130 Postage/shipping charges	136	235	54	400	50	200
7135 Telephone expenses	190,291	188,718	188,594	213,000	189,888	210,000
7140 Training expenses	3,994	9,139	7,823	2,730	2,826	4,000
7145 Travel expenses	1,861	7,034	10,728	4,224	1,947	3,000
7180 Utilities - departmental	3,736	3,621	3,268	4,000	3,793	4,000
7299 Other materials & supplies	5,235	9,969	12,790	7,000	4,378	7,000
7315 Food, meals, ice, water	528	488	264	1,000	243	500
7322 Recognition Program	-	-	-	-	-	-
7335 Wearing apparel & dry goods	385	446	138	400	-	-
7415 Fuels & lubricants	757	936	1,129	1,000	887	1,200
7599 Maintenance / other	(497)	-	-	-	-	-
7605 Engineering fees					42,574	
7635 Software maintenance service fees	523,240	393,662	604,128	690,400	784,339	720,400
7645 Maintenance services	197,351	363,399	230,653	242,500	183,884	242,500
7699 Other services	40,100	66,639	57,644	75,000	-	60,000
7801 Communication equipment	10,734	45,280	17,237	10,000	-	10,000
7805 Computer equipment	172,267	281,410	281,807	296,000	468,624	475,000
7806 Software licenses-new	86,512	85,912	85,403	90,000	96,232	90,000
7820 Office furniture & equipment	-	1,446	-	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>1,238,302</i>	<i>1,460,177</i>	<i>1,505,485</i>	<i>1,641,454</i>	<i>1,782,560</i>	<i>1,831,600</i>
	<b>2,659,318</b>	<b>3,012,244</b>	<b>2,930,896</b>	<b>3,154,158</b>	<b>3,319,480</b>	<b>3,421,518</b>





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

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

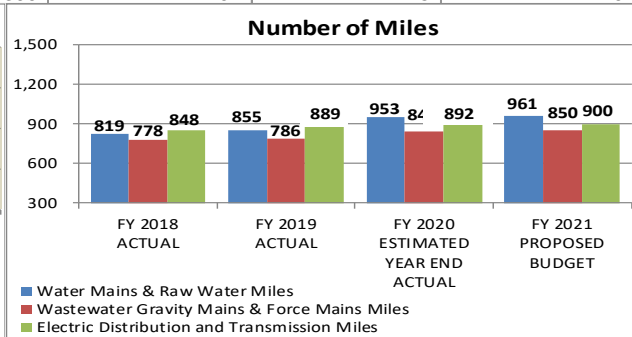
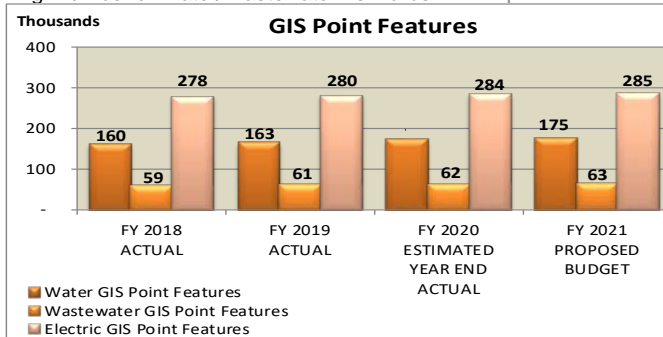
**Department Function:**

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 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 PROPOSED BUDGET
<b>INPUT MEASURES</b>				
Employees (FTEs)	10	10	10	10
O&M Non-Personnel Expenses	\$ 401,584	\$ 455,157	\$ 308,718	\$ 278,300
<b>OUTPUT MEASURES</b>				
Subdivisions	2,098	2,119	2,205	2,235
Addresses	60,997	61,866	63,405	64,305
Street Names	8,123	8,836	8,974	9,034
Parcels	92,112	92,320	93,199	93,983
Water GIS Point Features	160,199	163,451	171,869	175,390
Wastewater GIS Point Features	58,789	60,987	61,955	62,955
Electric GIS Point Features	277,567	279,778	283,525	285,000
GPS Field Inventory	35,125	36,127	38,678	39,000
Water Mains & Raw Water Miles	819	855	953	961
Wastewater Gravity Mains & Force Mains Miles	778	786	843	850
Electric Distribution and Transmission Miles	848	889	892	900
<b>OUTCOME MEASURES</b>				
Data Request	4,893	4,893	5,500	6,000
Map Production	4,665	5,232	5,500	5,900
Avg. Number of Internal Customers	250	275	300	320
Avg. Number of External Customers	40	45	52	60
<b>EFFICIENCY MEASURES</b>				
Avg. Number of QA/QC Electric Work Orders	702	759	1,731	2,100
Avg. Number of QA/QC Electric Service Request	499	559	601	620
Avg. Number of Water/Wastewater As-Builds	390	401	415	420





## DEPARTMENT 7135 - GEOGRAPHIC INFORMATION SYSTEMS

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 79,403	\$ 79,581	\$ 79,887	\$ 79,581	\$ 82,703	\$ 82,160
6105 Administrative Staff	178,020	205,283	176,334	193,157	176,316	157,523
6110 Clerical staff	165,620	162,741	168,427	167,565	218,076	214,926
6115 Operational staff	-	-	-	-	-	-
6130 Overtime	12,980	14,873	2,610	9,937	15,429	10,521
6201 T.M.R.S.	77,155	82,700	75,909	76,921	86,543	80,602
6205 F.I.C.A.	25,771	27,313	25,303	27,299	29,240	28,186
6210 Medicare	6,027	6,388	5,918	6,384	6,830	6,592
6214 Dental Insurance	2,566	2,647	4,395	5,811	5,714	6,137
6215 Hospitalization insurance	82,233	83,551	75,987	86,061	93,658	103,381
6220 Life Insurance	576	510	417	523	435	538
6221 Long Term Disability Insurance	1,105	357	638	881	911	909
6225 Workers Compensation	10,951	11,662	10,789	11,008	12,338	11,365
6230 Vacation leave	6,824	(866)	(889)	5,622	14,970	5,805
6235 Sick leave	9,455	(841)	4,827	6,184	5,948	6,387
6240 Educational assistance	1,409	2,056	2,228	5,000	907	5,000
6242 Auto Benefits	-	-	-	-	-	-
6243 Telephone Benefits	-	-	-	-	-	-
6260 Vacancy Savings	-	-	-	(32,759)	-	(22,730)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>660,095</u>	<u>677,956</u>	<u>632,780</u>	<u>649,173</u>	<u>750,017</u>	<u>697,303</u>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	277	-	-	300	-	100
7110 Dues & memberships	1,805	2,205	1,506	2,000	2,767	2,000
7120 Office supplies	7,535	3,129	3,708	4,500	1,979	2,000
7125 Photo equipment/supplies	63	-	-	-	-	-
7130 Postage/shipping charges	346	109	68	500	105	200
7135 Telephone expenses	91	100	-	-	-	-
7140 Training expenses	7,760	1,855	1,460	3,234	405	3,500
7145 Travel expenses	10,351	3,253	4,744	5,920	4,608	500
7225 Safety supplies	-	-	150	500	843	500
7299 Other materials & supplies	3,672	763	2,629	2,000	1,466	2,000
7310 Federal, state, & local fees	31	-	36	-	-	-
7315 Food, meals, ice, water	1,239	2,437	803	2,000	685	1,000
7325 Rental of equip/storage/land	103,302	103,224	104,539	100,000	104,711	100,000
7330 Right of way fees	33,240	48,834	42,453	45,000	32,676	45,000
7335 Wearing apparel & dry goods	3,973	4,662	3,103	4,000	1,142	2,000
7415 Fuels & lubricants	3,818	5,033	4,205	5,000	2,943	4,000
7420 Parts	-	-	681	-	-	-
7520 Maint. of minor equipment	34	-	-	-	-	-
7605 Engineering fees	4,950	20,889	-	-	-	-
7635 Software maintenance service fees	110,211	119,436	132,116	110,000	87,277	110,000
7645 Maintenance services	-	-	239	-	-	-
7699 Other services	1,430	81,766	149,129	-	64,917	-
7805 Computer equipment	8,412	300	88	2,500	402	2,000
7806 Software licenses-new	645	739	-	5,000	-	1,000
7820 Office furniture & equipment	4,847	1,185	3,205	3,000	1,014	500
7899 Other minor tools & equipment	1,376	1,663	295	2,000	778	2,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>309,409</u>	<u>401,584</u>	<u>455,157</u>	<u>297,454</u>	<u>308,718</u>	<u>278,300</u>
	<b>969,504</b>	<b>1,079,540</b>	<b>1,087,937</b>	<b>946,627</b>	<b>1,058,735</b>	<b>975,603</b>





Department Responsibility: **Dr. Emilia Guerra**

Title: **Director of Human Resources**

Telephone Ext: **6188**

Dept. No: **7140**

**PERFORMANCE MEASURES  
FOR THE  
HUMAN RESOURCES DEPARTMENT**

**Department Function:**

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

**Department Goals/Objectives:**

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

**INPUT MEASURES**

Employees (FTEs)

Total O&M Expenses

**OUTPUT MEASURES**

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

**OUTCOME MEASURES**

Recognition of employee for living BPUB's core values

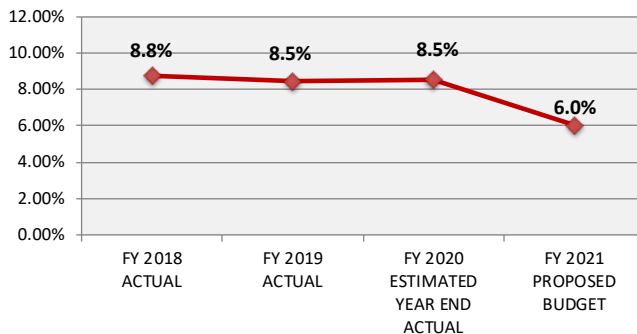
**EFFICIENCY MEASURES**

Maintain company-wide turnover at less than 6%

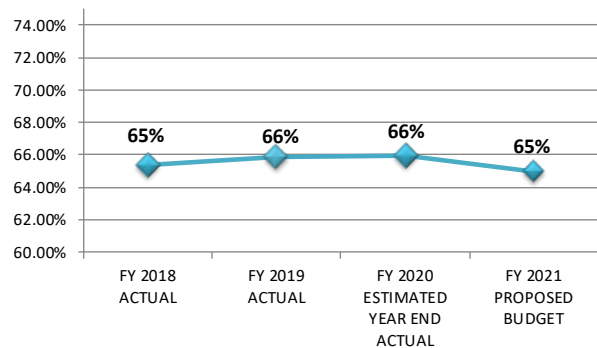
5-year retention of new hires

FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 PROPOSED BUDGET
2	3	3	3
\$ 599,450	\$ 824,225	\$ 789,126	\$ 650,798
92.0%	90.0%	90.0%	95.0%
343	444	135	400
8.8%	8.5%	8.5%	6.0%
65%	66%	66%	65%

**Maintain company-wide turnover at less than 6%**



**5-year retention of new hires**





## DEPARTMENT 7140 - HUMAN RESOURCES

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 128,155	\$ 128,668	\$ 137,025	\$ 128,752	\$ 133,811	\$ 132,933
6105 Administrative Staff	-	-	-	-	-	-
6110 Clerical staff	39,515	41,159	42,856	68,203	80,786	76,981
6130 Overtime	4,784	8,302	7,775	5,736	11,045	5,733
6201 T.M.R.S.	62,017	41,383	51,584	34,408	47,647	37,218
6205 F.I.C.A.	20,015	13,389	17,039	12,211	16,212	13,015
6210 Medicare	4,863	3,245	4,079	2,856	3,846	3,044
6214 Dental Insurance	1,544	765	1,548	1,653	1,797	1,653
6215 Hospitalization insurance	50,700	24,652	32,484	26,738	31,386	30,181
6220 Life Insurance	232	210	217	222	181	236
6221 Long Term Disability Insurance	473	192	291	394	381	420
6225 Workers Compensation	8,841	5,798	7,279	4,924	6,798	5,248
6230 Vacation leave	(11,291)	1,578	(4,673)	2,515	6,089	2,681
6235 Sick leave	(43,946)	788	875	2,766	3,614	2,949
6240 Educational assistance	-	-	(6)	-	-	-
6242 Auto Benefits	7,482	7,506	8,365	7,500	7,500	7,500
6243 Telephone Benefits	1,676	1,681	1,874	1,680	1,680	1,680
6250 Miscellaneous personnel benefits	71,390	88,445	68,389	80,000	80,432	80,000
6260 Vacancy Savings	-	-	-	(14,018)	-	(10,496)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>346,450</b>	<b>367,761</b>	<b>377,000</b>	<b>366,539</b>	<b>433,204</b>	<b>390,974</b>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	500	-	-
7110 Dues & memberships	1,043	1,618	1,623	1,624	1,576	1,224
7115 Educational material	36	536	-	1,000	-	-
7120 Office supplies	4,458	2,130	3,822	5,000	4,156	3,000
7130 Postage/shipping charges	61	-	89	500	-	200
7135 Telephone expenses	-	-	-	1,000	253	500
7140 Training expenses	604	700	1,016	3,633	125	-
7145 Travel expenses	1,179	954	1,791	4,512	901	-
7147 Mileage Reimbursement (InTownExp)	44	204	208	350	57	200
7155 Initial Certificatn/Licensing Reimb	-	-	-	-	-	-
7299 Other materials & supplies	786	495	378	500	5,757	500
7315 Food, meals, ice, water	2,766	2,317	4,197	2,500	975	2,500
7322 Recognition Program	39,290	38,176	55,331	55,000	31,162	55,000
7325 Rental of equip/storage/land	4,978	2,760	6,724	6,200	6,550	6,200
7420 Parts	-	(92)	-	-	-	-
7501 Maint. of buildings & structures	5,650	-	-	-	-	-
7601 Legal Fees	141,441	152,141	206,775	125,000	229,177	125,000
7605 Engineering fees	17,676	15,000	149,028	100,000	61,773	50,000
7699 Other services	95,796	10,139	16,179	25,000	13,461	15,000
7805 Computer equipment	324	27	-	-	-	-
7820 Office furniture & equipment	1,050	4,586	65	500	-	500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>317,181</b>	<b>231,689</b>	<b>447,225</b>	<b>332,819</b>	<b>355,922</b>	<b>259,824</b>
	<b>663,631</b>	<b>599,450</b>	<b>824,225</b>	<b>699,358</b>	<b>789,126</b>	<b>650,798</b>





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

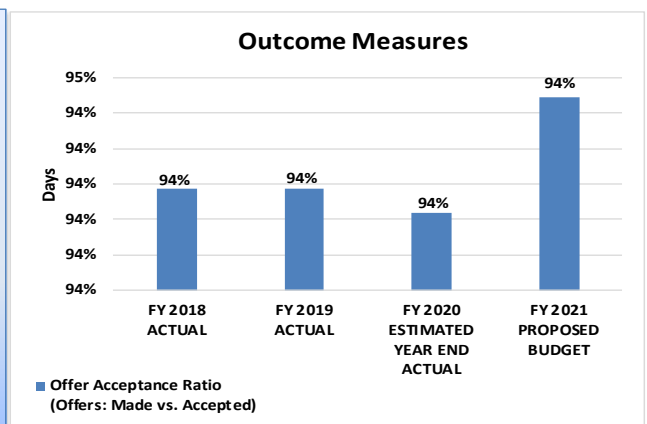
#### OUTCOME MEASURES

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 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 PROPOSED BUDGET
4	3	3	3
\$ 307,208	\$ 311,563	\$ 290,254	\$ 306,103
221	221	150	220
46	46	81	85
86	86	85	90
39%	39%	57%	41%
98%	98%	97%	102%
94%	94%	94%	94%
\$ 2,560.07	\$ 2,596.36	\$ 2,418.78	\$ 2,550.86





## DEPARTMENT 7145 – TALENT ACQUISITION AND STAFFING

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 18,323	\$ -	\$ -	\$ -	\$ -	\$ -
6105 Administrative Staff	109,409	150,000	157,661	165,381	171,875	170,747
6110 Clerical staff	36,271	38,373	26,158	-	-	-
6130 Overtime	361	519	453	-	-	-
6201 T.M.R.S.	29,068	33,781	33,678	28,892	30,029	30,273
6205 F.I.C.A.	9,274	10,652	10,570	10,254	9,416	10,586
6210 Medicare	2,169	2,491	2,472	2,398	2,202	2,476
6214 Dental Insurance	930	1,085	2,152	2,429	2,198	2,429
6215 Hospitalization insurance	33,270	40,094	39,083	37,067	37,160	42,212
6220 Life Insurance	218	226	187	191	152	197
6221 Long Term Disability Insurance	426	163	286	331	328	341
6225 Workers Compensation	4,190	5,086	5,007	4,135	4,297	4,269
6230 Vacation leave	2,414	(1,093)	(161)	2,112	4,578	2,180
6235 Sick leave	(3,244)	3,920	557	2,323	1,306	2,399
6240 Educational assistance	3,348	5,610	(2,284)	-	-	-
6260 Vacancy Savings	-	-	-	(12,554)	-	(8,537)
<i>O&amp;M PERSONNEL TOTAL</i>	246,426	290,907	275,817	242,957	263,541	259,573
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising	4,754	4,370	4,343	6,000	1,238	2,000
7105 Books & periodicals	-	-	217	500	-	-
7110 Dues & memberships	815	995	585	830	540	600
7120 Office supplies	923	1,453	1,404	2,000	747	1,500
7130 Postage/shipping charges	-	-	32	500	-	-
7135 Telephone expenses	-	-	-	-	-	-
7140 Training expenses	1,230	345	60	1,365	1,725	-
7145 Travel expenses	5,952	4,056	1,579	1,696	2,828	-
7147 Mileage Reimbursement (InTownExp)	-	-	-	500	-	-
7150 Recruitment Expenses	4,999	2,227	3,148	5,000	1,472	2,000
7299 Other materials & supplies	492	51	-	500	136	200
7315 Food, meals, ice, water	254	252	211	700	273	230
7635 Software maintenance service fees	-	-	22,578	15,000	13,759	15,000
7699 Other services	30	3,324	1,589	55,000	3,654	25,000
7805 Computer equipment	1,747	(1,420)	-	-	340	-
7820 Office furniture & equipment	940	648	-	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	22,135	16,301	35,745	89,591	26,713	46,530
	268,561	307,208	311,562	332,548	290,254	306,103





Department Responsibility: **Jose Cuellar**

Title: **Fleet Services Manager**

Telephone Ext: **6362**

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 while working effectively so that we may achieve a safe operating fleet at an optimum cost/hour. Personnel is 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 for departments to complete daily work operations 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.

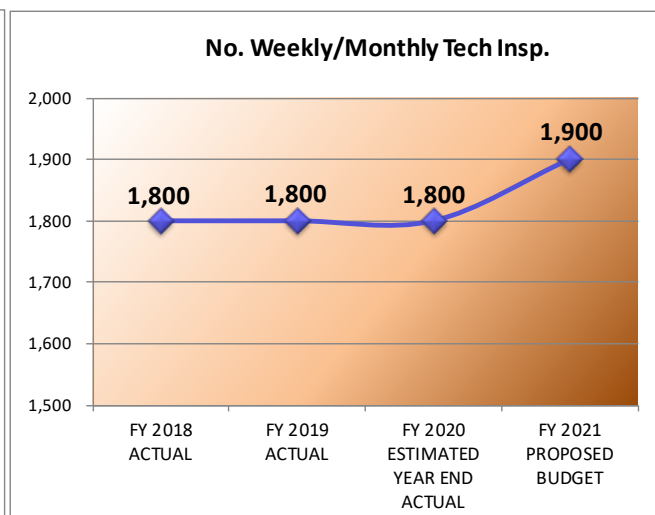
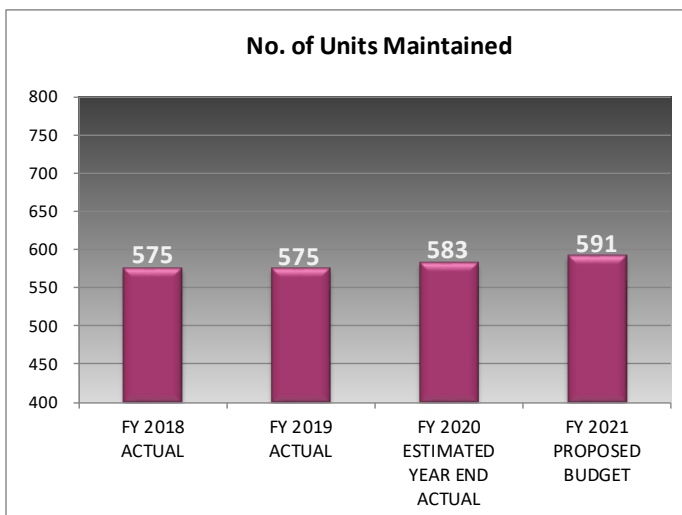
#### INPUT MEASURES

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

#### OUTPUT MEASURES

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

FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 PROPOSED BUDGET
10	10	9	10
400	400	400	450
350	350	350	400
1,800	1,800	1,800	1,900
1:96	1:96	1:117	1:99
575	575	583	591
1,800	1,800	1,800	1,900
3,500	3,500	3,000	3,500





## DEPARTMENT 7150 – FLEET MANAGEMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 61,181	\$ 61,318	\$ 61,613	\$ 61,318	\$ 49,975	\$ 56,010
6105 Administrative Staff	34,783	34,459	27,556	36,691	38,163	37,889
6110 Clerical staff	22,470	23,332	23,602	22,813	24,171	23,562
6115 Operational staff	235,691	259,933	213,159	238,917	242,735	237,486
6130 Overtime	8,102	15,574	9,074	10,500	8,790	10,514
6201 T.M.R.S.	63,333	70,018	76,120	62,847	88,794	62,932
6205 F.I.C.A.	21,726	23,760	21,037	22,304	24,577	22,007
6206 Suta	7,185	-	-	-	-	-
6210 Medicare	5,081	5,557	4,920	5,216	5,748	5,147
6214 Dental Insurance	2,012	2,167	2,895	4,031	3,740	4,553
6215 Hospitalization insurance	55,656	60,567	52,357	64,947	66,054	83,056
6220 Life Insurance	479	430	321	428	305	423
6221 Long Term Disability Insurance	(1,077)	(739)	479	719	629	710
6225 Workers Compensation	10,953	10,851	8,649	8,994	10,155	8,874
6230 Vacation leave	(592)	1,453	5,722	4,593	15,853	4,533
6235 Sick leave	7,080	5,670	(15,102)	5,053	(9,414)	4,987
6260 Vacancy Savings	-	-	-	(26,461)	-	(17,747)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>534,062</i>	<i>574,349</i>	<i>492,401</i>	<i>522,911</i>	<i>570,274</i>	<i>544,935</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	5,000	-	500
7110 Dues & memberships	1,390	228	122	1,500	87	500
7120 Office supplies	3,540	4,347	4,059	4,000	2,502	2,000
7130 Postage/shipping charges	5,936	2,655	2,403	4,500	2,874	2,300
7135 Telephone expenses	-	-	-	-	-	-
7140 Training expenses	480	480	780	11,088	360	8,000
7145 Travel expenses	1,334	-	1,357	8,320	(27)	500
7180 Utilities - departmental	21,682	17,064	15,272	15,000	9,502	15,000
7199 Miscellaneous office expenses	-	41	-	-	-	-
7215 Laundry & janitorial supplies	375	10	-	500	342	400
7225 Safety supplies	-	458	244	1,000	2,072	1,000
7293 Chemicals - other	1,527	-	-	2,000	-	2,000
7299 Other materials & supplies	62,999	58,510	15,052	10,000	14,766	13,000
7304 Hurricane Preparedness Expenses	20,605	2,750	8,796	30,000	39,585	15,000
7305 ERCOT expenses	-	8	-	-	-	-
7310 Federal, state, & local fees	4,633	6,144	5,403	7,500	6,550	6,500
7315 Food, meals, ice, water	787	637	718	1,200	432	500
7325 Rental of equip/storage/land	-	-	1,080	500	-	-
7335 Wearing apparel & dry goods	3,410	3,951	2,647	3,000	1,583	1,500
7405 Auto body repairs	18,867	12,185	-	15,000	12,646	10,000
7410 Batteries	20,567	9,791	-	-	-	-
7415 Fuels & lubricants	23,925	15,629	14,771	19,000	18,321	19,000
7420 Parts	375,199	476,814	496,849	400,000	447,961	375,000
7425 Road service	25,710	27,346	56,275	40,000	77,508	50,000
7430 Tires	97,441	89,662	52,550	55,000	45,630	35,000
7520 Maint. of minor equipment	-	-	-	-	-	-
7635 Software maintenance service fees	4,014	8,263	12,305	20,000	12,200	20,000
7645 Maintenance services	476,711	650,447	395,979	345,000	369,852	325,000
7699 Other services	-	114,378	36,732	50,000	17,971	25,000
7805 Computer equipment	-	-	-	7,000	80	7,000
7820 Office furniture & equipment	1,029	870	-	2,000	5,808	500
7835 Tools, shop and garage equipment	1,029	11,639	3,751	5,000	16,374	5,000
7899 Other minor tools & equipment	2,095	3,690	-	6,000	3,447	4,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>1,175,284</i>	<i>1,517,996</i>	<i>1,127,146</i>	<i>1,069,108</i>	<i>1,108,425</i>	<i>944,200</i>
	<b>1,709,346</b>	<b>2,092,345</b>	<b>1,619,547</b>	<b>1,592,019</b>	<b>1,678,699</b>	<b>1,489,135</b>





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 (FT Es)

Total O&M Expenses

### OUTPUT MEASURES

Average Hourly Rate in Workforce

Number of Onboarded Employees

Number of Separations (FTE)

### OUTCOME MEASURES

Wellness Program (Monthly)

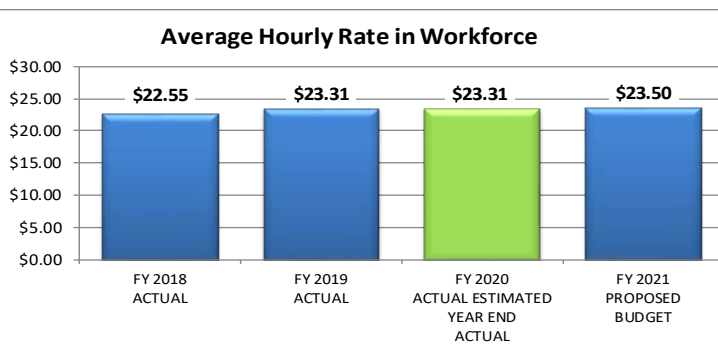
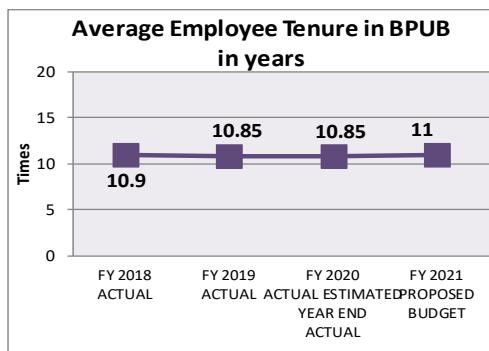
Average Employee Tenure in BPUB in years

Internal Market Review Conducted As Percent of Workforce

### EFFICIENCY MEASURES

Number of C&B Staff to FT Es

FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ACTUAL ESTIMATED YEAR END ACTUAL	FY 2021 PROPOSED BUDGET
4	4	4	4
\$430,257	\$380,059	\$444,411	\$445,078
\$22.55	\$23.31	\$23.31	\$23.50
55	56	58	55
51	59	60	35
11	6	6	12
10.9	10.85	10.85	11
0%	0%	0%	18%
1:148	1:146	1:146	1:146





## DEPARTMENT 7155 – COMPENSATION & BENEFITS

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 67,592	\$ 85,827	\$ 71,645	\$ 67,184	\$ 69,826	\$ 69,368
6105 Administrative Staff	115,482	140,242	123,482	157,934	167,032	163,051
6110 Clerical staff	20,261	-	-	-	-	-
6130 Overtime	107	-	-	1,450	-	-
6201 T.M.R.S.	40,805	40,428	34,223	39,328	43,151	41,208
6205 F.I.C.A.	13,550	13,219	11,365	13,957	14,470	14,410
6210 Medicare	3,169	3,092	2,658	3,264	3,384	3,370
6214 Dental Insurance	1,033	1,082	1,633	2,261	2,383	2,587
6215 Hospitalization insurance	35,123	37,594	31,792	38,742	44,773	50,069
6220 Life Insurance	285	256	181	258	209	267
6221 Long Term Disability Insurance	562	192	288	450	455	465
6225 Workers Compensation	5,929	5,740	4,903	5,628	6,180	5,810
6230 Vacation leave	18,850	(929)	(1,177)	2,874	15,994	2,968
6235 Sick leave	67,750	1,006	(8,976)	3,162	3,720	3,265
6240 Educational assistance	2,258	-	2,877	5,000	(2,527)	-
6250 Miscellaneous personnel benefits	7,044	24,864	35,299	57,000	10,632	42,000
6260 Vacancy Savings	-	-	-	(16,450)	-	(11,621)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>399,800</b>	<b>352,612</b>	<b>310,193</b>	<b>382,043</b>	<b>379,683</b>	<b>387,218</b>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	1,500	296	500
7110 Dues & memberships	1,299	1,479	1,684	2,160	992	1,160
7115 Educational material	1,296	897	-	1,000	1,485	1,000
7120 Office supplies	1,945	4,991	2,546	5,000	1,092	1,000
7130 Postage/shipping charges	-	-	64	500	-	250
7135 Telephone expenses	-	-	-	1,000	-	500
7140 Training expenses	1,810	1,034	2,520	2,730	140	-
7145 Travel expenses	4,682	2,507	3,432	3,392	1,374	-
7147 Mileage Reimbursement (InTownExp)	-	-	-	350	5	50
7155 Initial Certificatn/Licensing Reimb	460	-	-	-	-	-
7299 Other materials & supplies	389	90	683	500	480	400
7315 Food, meals, ice, water	421	521	580	1,000	193	500
7325 Rental of equip/storage/land	-	277	431	9,000	378	1,000
7601 Legal Fees	145	-	-	-	-	-
7635 Software maintenance service fees	-	13,500	13,500	13,500	13,500	13,500
7699 Other services	59,257	50,621	42,143	58,000	44,524	38,000
7805 Computer equipment	56	-	-	2,500	-	-
7806 Software licenses-new	-	-	1,699	20,000	-	-
7820 Office furniture & equipment	4,176	1,727	585	-	270	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>75,936</b>	<b>77,645</b>	<b>69,866</b>	<b>122,132</b>	<b>64,728</b>	<b>57,860</b>
	<b>475,736</b>	<b>430,257</b>	<b>380,059</b>	<b>504,175</b>	<b>444,411</b>	<b>445,078</b>





Department Responsibility: **Jeffry 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

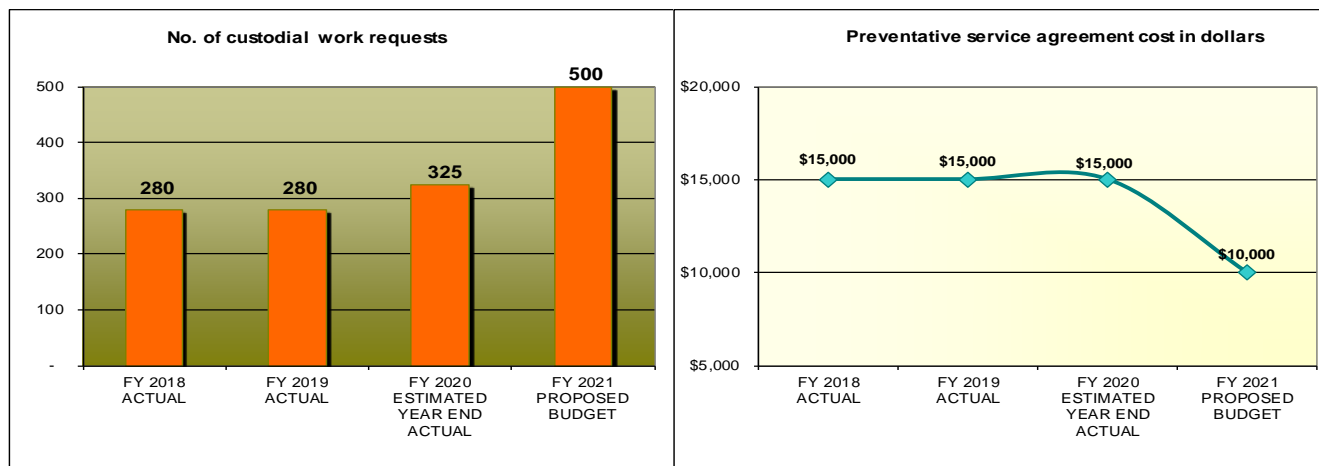
**OUTCOME MEASURES**

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 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 PROPOSED BUDGET
4	4	4	4
\$ 225,496	\$ 227,209	\$ 429,725	\$ 237,432
\$ 961,977	\$ 1,032,477	\$ 1,114,531	\$ 1,118,496
\$ 1,187,473	\$ 1,259,686	\$ 1,544,256	\$ 1,355,928
280	280	325	500
750	750	500	500
\$ 16,000	\$ 16,000	\$ 16,000	\$ 10,000
\$ 15,000	\$ 15,000	\$ 15,000	\$ 10,000
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
33,000	33,000	33,000	33,000
\$ 0.939	\$ 0.939	\$ 0.939	\$ 0.606





## DEPARTMENT 7160 – FACILITY MAINTENANCE

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 55,236	\$ 64,002	\$ 65,056	\$ 64,002	\$ 120,888	\$ 76,419
6115 Operational staff	79,680	77,068	75,538	74,714	145,742	76,128
6130 Overtime	1,378	1,546	2,176	4,697	1,321	5,023
6201 T.M.R.S.	25,292	26,201	25,291	24,234	47,399	27,047
6205 F.I.C.A.	8,310	8,620	8,297	8,600	16,009	9,458
6210 Medicare	1,943	2,016	1,940	2,011	3,744	2,212
6214 Dental Insurance	1,095	1,043	2,042	2,587	4,078	2,338
6215 Hospitalization insurance	33,868	32,463	34,969	38,742	66,885	38,038
6220 Life Insurance	190	170	145	173	255	187
6221 Long Term Disability Insurance	348	124	208	277	493	305
6225 Workers Compensation	3,582	3,663	3,570	3,468	6,785	3,814
6230 Vacation leave	2,675	4,251	3,928	1,771	9,442	1,948
6235 Sick leave	(3,835)	4,329	4,047	1,948	6,684	2,143
6260 Vacancy Savings	-	-	-	(10,940)	-	(7,627)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>209,763</u>	<u>225,496</u>	<u>227,209</u>	<u>216,283</u>	<u>429,725</u>	<u>237,432</u>
<i>O&amp;M NON-PERSONNEL</i>						
7120 Office supplies	977	75	607	300	61	400
7130 Postage/shipping charges			-	-	27	100
7135 Telephone expenses	181,129	149,830	158,628	153,208	172,955	153,208
7140 Training expenses	200	-	217	210	-	400
7145 Travel expenses	904	-	2,333	1,728	-	1,728
7147 Mileage Reimbursement (InTownExp)	17	198	652	600	1,748	880
7155 Initial Certificatn/Licensing Reimb	-	-	298	300	-	600
7180 Utilities - departmental	117,939	117,159	125,558	110,000	168,100	250,000
7210 Landscaping/Trade a Tree Program	-	-	-	7,000	-	3,500
7299 Other materials & supplies	66,998	38,528	28,966	40,000	56,774	40,000
7310 Federal, state, & local fees	-	-	-	100	-	100
7315 Food, meals, ice, water	49	50	50	120	108	200
7335 Wearing apparel & dry goods	812	940	977	1,413	939	2,800
7415 Fuels & lubricants	390	40	6	-	171	180
7501 Maint. of buildings & structures	20,549	19,438	11,597	20,000	-	20,000
7599 Maintenance / other	12,994	6,453	-	-	-	-
7645 Maintenance services	34,376	47,486	69,468	65,000	72,986	75,000
7650 Security services	539	1,199	3,022	2,678	2,461	5,400
7660 Ground Keeping Maintenance	324,158	352,148	366,444	359,293	396,784	360,000
7699 Other services	246,722	226,572	260,493	250,000	231,918	200,000
7820 Office furniture & equipment	-	441	2,976	500	259	1,500
7899 Other minor tools & equipment	-	1,420	186	2,500	9,239	2,500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>1,008,753</u>	<u>961,977</u>	<u>1,032,477</u>	<u>1,014,950</u>	<u>1,114,531</u>	<u>1,118,496</u>
	<b>1,218,516</b>	<b>1,187,473</b>	<b>1,259,686</b>	<b>1,231,233</b>	<b>1,544,256</b>	<b>1,355,928</b>





**Department Responsibility:**

**Eduardo Martinez**

**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.

### INPUT MEASURES

Employees (FTE)

Total O&M Expenses

### OUTPUT MEASURES

Roving Patrols

Static Guards

Supervisor Patrol

### OUTCOME MEASURES

Daily Activity Reports Submitted

Deggy Reports

### EFFICIENCY MEASURES

Facilities Secured

Note: New department created in 2020

	FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 APPROVED BUDGET
Employees (FTE)	-	2	2	2
Total O&M Expenses	-	\$1,190,790	\$1,004,213	\$1,542,510
Roving Patrols	-	1,465	1,465	1,465
Static Guards	-	2,288	2,288	2,288
Supervisor Patrol	-	365	365	365
Daily Activity Reports Submitted	-	365	365	365
Deggy Reports	-	365	365	365
Facilities Secured	-	100%	100%	100%



## DEPARTMENT 7165 – SECURITY OPERATIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ -	\$ -	\$ -	\$ 68,432	\$ -	\$ 68,432
6105 Administrative Staff	-	-	-	61,817	-	63,835
6201 T.M.R.S.	-	-	-	22,755	-	23,451
6205 F.I.C.A.	-	-	-	8,075	-	8,201
6210 Medicare	-	-	-	1,889	-	1,918
6214 Dental Insurance	-	-	-	1,293	-	1,293
6215 Hospitalization insurance	-	-	-	19,371	-	21,928
6220 Life Insurance	-	-	-	148	-	147
6221 Long Term Disability Insurance	-	-	-	261	-	265
6225 Workers Compensation	-	-	-	3,256	-	3,307
6230 Vacation leave	-	-	-	1,663	-	1,689
6235 Sick leave	-	-	-	1,830	-	1,858
6260 Vacancy Savings	-	-	-	-	-	(6,613)
<i>O&amp;M PERSONNEL TOTAL</i>	-	-	-	190,790	-	189,710
<i>O&amp;M NON-PERSONNEL</i>						
7120 Office supplies	-	-	-	-	-	1,500
7130 Postage/shipping charges	-	-	-	-	-	300
7225 Safety supplies	-	-	-	-	-	500
7299 Other materials & supplies	-	-	-	-	-	5,000
7650 Security services	-	-	-	1,000,000	1,004,213	1,335,500
7806 Software licenses-new	-	-	-	-	-	10,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	-	-	-	1,000,000	1,004,213	1,352,800
	-	-	-	1,190,790	1,004,213	1,542,510





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

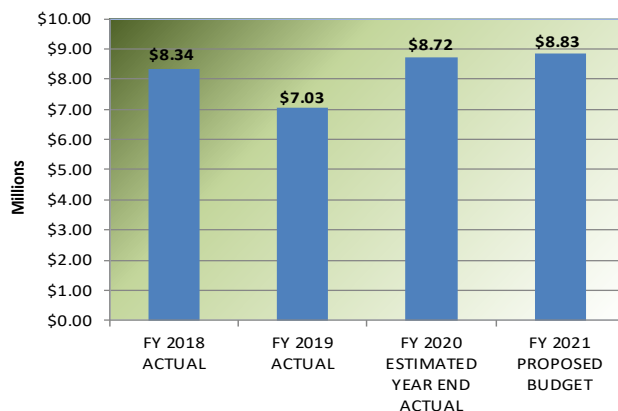
Inventory Accuracy  
Stores Issues/Returns  
No. of Year-End Commodity Adjustments

#### EFFICIENCY MEASURES

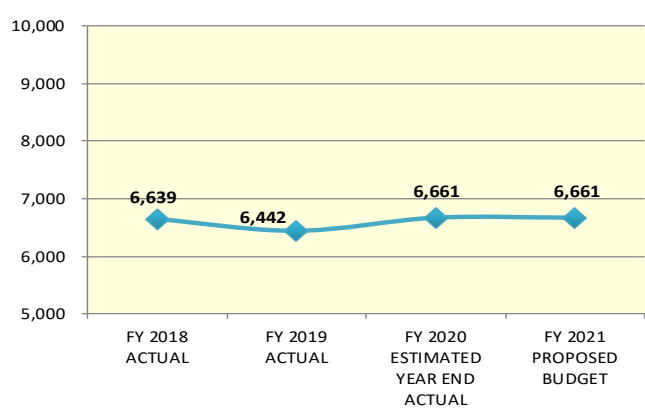
Stores Issues per Employee  
Value of Year End Inventory Adjustments  
Average Cost of Monthly Inventory

FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 PROPOSED BUDGET
6	5	5	6
\$ 308,941	\$ 291,101	\$ 283,931	\$ 282,054
\$ 41,114	\$ 34,503	\$ 68,114	\$ 50,893
\$ 350,055	\$ 325,604	\$ 352,045	\$ 332,947
\$ 8,343,934	\$ 7,032,579	\$ 8,723,776	\$ 8,832,480
6,639	6,442	6,661	6,661
99%	99%	99%	99%
6,237	6,477	6,714	6,714
152	183	150	150
1,559	1,619	1,678	1,342
\$ 50,000	\$ 776,644	\$ 50,000	\$ 50,000
\$ 695,328	\$ 586,048	\$ 726,981	\$ 736,040

**Fiscal Year End Inventory Value**



**Stores Requisitions**





## DEPARTMENT 7170 – WAREHOUSE

ACCOUNT DESCRIPTION	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 46,469	\$ 48,547	\$ 48,734	\$ 48,547	\$ 50,459	\$ 50,128
6110 Clerical staff	28,111	31,217	20,400	-	-	-
6115 Operational staff	108,836	115,641	115,472	112,528	132,325	116,168
6130 Overtime	1,786	5,581	4,411	4,102	1,395	4,775
6201 T.M.R.S.	32,576	35,945	33,273	28,140	32,175	29,484
6205 F.I.C.A.	10,608	11,621	10,544	9,987	10,217	10,310
6210 Medicare	2,481	2,718	2,466	2,336	2,389	2,411
6214 Dental Insurance	1,617	1,597	2,872	3,396	3,073	3,396
6215 Hospitalization insurance	49,257	49,304	52,960	56,790	56,815	64,536
6220 Life Insurance	265	237	189	204	168	209
6221 Long Term Disability Insurance	478	164	267	322	320	333
6225 Workers Compensation	4,655	5,090	4,719	4,027	4,604	4,157
6230 Vacation leave	1,591	(1,002)	1,973	2,057	4,285	2,124
6235 Sick leave	2,640	(325)	(7,879)	2,262	(14,293)	2,336
6240 Educational assistance	2,097	2,605	699	2,500	-	-
6260 Vacancy Savings	-	-	-	(13,314)	-	(8,315)
<i>O&amp;M PERSONNEL TOTAL</i>	293,467	308,941	291,101	263,884	283,931	282,054
<i>O&amp;M NON-PERSONNEL</i>						
7120 Office supplies	103	46	75	-	1,527	-
7130 Postage/shipping charges	-	14	-	-	752	-
7145 Travel expenses	-	60	-	-	-	-
7215 Laundry & janitorial supplies	8	3	16	200	44	300
7225 Safety supplies	88	141	209	200	1,168	400
7299 Other materials & supplies	2,576	5,487	3,774	5,000	8,042	10,500
7315 Food, meals, ice, water	409	584	45	500	1,223	500
7325 Rental of equip/storage/land					9,915	
7335 Wearing apparel & dry goods	2,257	2,615	2,222	2,500	1,660	1,293
7415 Fuels & lubricants	1,776	2,330	1,998	2,500	1,936	2,500
7501 Maint. of buildings & structures					7,821	
7520 Maint. of minor equipment	-	475	-	500	-	500
7645 Maintenance services	1,854	1,182	1,858	3,200	2,225	4,500
7699 Other services	22,586	27,384	23,141	20,000	29,202	20,000
7805 Computer equipment	-	-	735	586	-	8,400
7806 Software licenses-new	-	-	-	1,300	-	-
7820 Office furniture & equipment	-	184	400	-	-	-
7835 Tools, shop and garage equipment	-	-	-	-	-	-
7899 Other minor tools & equipment	260	609	29	2,000	2,598	2,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	31,917	41,114	34,503	38,486	68,114	50,893
	325,384	350,055	325,604	302,370	352,045	332,947





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

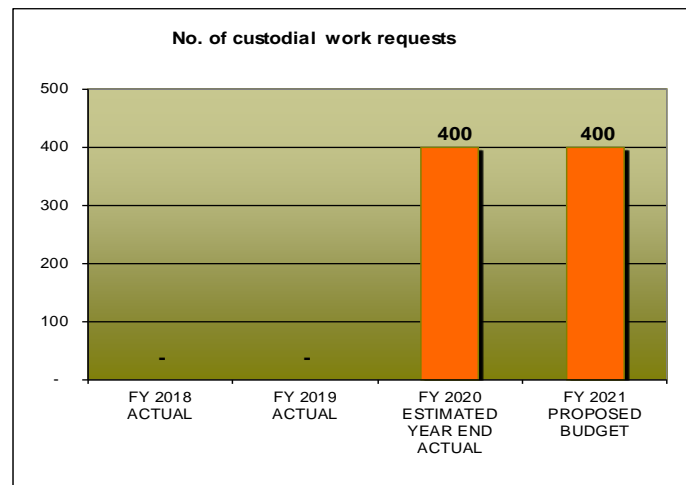
Limit repair cost

**EFFICIENCY MEASURES**

Square Feet of Facility Maintenance

FY 2018 ACTUAL	FY 2019 ACTUAL	FY 2020 ESTIMATED YEAR END ACTUAL	FY 2021 PROPOSED BUDGET
N/A	N/A	4	4
\$ -	\$ -	\$ -	\$ 207,550
\$ -	\$ -	\$ 27,282	\$ 368,250
\$ -	\$ -	\$ 27,282	\$ 575,800
N/A	N/A	400	400
N/A	N/A	1,200	1,200
N/A	N/A	Yes	Yes
N/A	N/A	Yes	Yes
N/A	N/A	Yes	Yes
-	-	60,000	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 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ -	\$ -	\$ -	\$ 42,016	\$ -	\$ 47,008
6115 Operational staff	-	-	-	69,285	-	78,187
6130 Overtime	-	-	-	2,000	-	3,500
6201 T.M.R.S.	-	-	-	19,444	-	22,197
6205 F.I.C.A.	-	-	-	6,901	-	7,762
6210 Medicare	-	-	-	1,614	-	1,815
6214 Dental Insurance	-	-	-	1,935	-	2,587
6215 Hospitalization insurance	-	-	-	28,060	-	43,855
6220 Life Insurance	-	-	-	146	-	160
6221 Long Term Disability Insurance	-	-	-	223	-	250
6225 Workers Compensation	-	-	-	2,783	-	3,130
6230 Vacation leave	-	-	-	1,421	-	1,599
6235 Sick leave	-	-	-	1,564	-	1,759
6260 Vacancy Savings	-	-	-	-	-	(6,260)
<i>O&amp;M PERSONNEL TOTAL</i>	-	-	-	177,391	-	207,550
<i>O&amp;M NON-PERSONNEL</i>						
7120 Office supplies	-	-	-	200	319	400
7130 Postage/shipping charges	-	-	-	-	-	100
7135 Telephone expenses	-	-	-	-	2,797	-
7140 Training expenses	-	-	-	1,000	-	200
7145 Travel expenses	-	-	-	-	-	-
7147 Mileage Reimbursement (InTownExp)	-	-	-	-	201	1,500
7155 Initial Certificatn/Licensing Reimb	-	-	-	-	-	1,200
7180 Utilities - departmental	-	-	-	80,500	-	120,000
7210 Landscaping/Trade a Tree Program	-	-	-	-	-	5,000
7299 Other materials & supplies	-	-	-	10,000	19,027	20,000
7315 Food, meals, ice, water	-	-	-	-	-	100
7335 Wearing apparel & dry goods	-	-	-	-	-	70
7335 Wearing apparel & dry goods	-	-	-	942	-	1,400
7415 Fuels & lubricants	-	-	-	-	-	180
7501 Maint. of buildings & structures	-	-	-	20,000	50	10,000
7645 Maintenance services	-	-	-	5,000	100	25,000
7650 Security services	-	-	-	2,500	649	1,000
7660 Ground Keeping Maintenance	-	-	-	20,000	-	60,000
7699 Other services	-	-	-	65,886	2,872	120,000
7820 Office furniture & equipment	-	-	-	-	786	1,600
7899 Other minor tools & equipment	-	-	-	2,500	481	500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	-	-	-	208,528	27,282	368,250
	-	-	-	385,919	27,282	575,800





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



**Department Responsibility: Leandro G. García, CPA**

**Title: Chief Financial Officer**

**Telephone Ext: 6173**

**Dept. No: 9110**

**DEPARTMENT 9110 - COMPANY - WIDE EXPENSES**

**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 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<b>O&amp;M PERSONNEL</b>						
6101 Supervision	\$ (1,008)	\$ -	\$ -	\$ -	\$ -	\$ -
6115 Operational staff	-	118	-	-	-	-
6120 Part-time staff	191,062	237,599	254,653	157,921	365,789	186,885
6130 Overtime	3,130	2,735	4,049	4,000	7,976	6,185
6160 Overhead Labor	-	-	-	-	-	-
6201 T.M.R.S.	1,598,169	(302,516)	2,118,443	-	68,205	-
6205 F.I.C.A.	11,893	14,860	16,027	9,791	22,676	11,587
6206 Suta	4,691	4,909	4,995	-	-	-
6210 Medicare	2,782	3,475	3,748	2,290	5,303	2,710
6214 Dental Insurance	30	-	11	-	7	-
6215 Hospitalization insurance	356,278	346,640	336,476	432,557	445,086	524,808
6216 Other Post-Employment Benefits (ins)	831,691	1,420,773	2,630,485	1,000,000	1,894,664	1,000,000
6220 Life Insurance	6,886	-	5	-	1	-
6221 Long Term Disability Insurance	(67,271)	-	1	-	1	-
6225 Workers Compensation	5,176	6,551	6,811	3,948	10,329	4,672
6230 Vacation leave	377	-	-	-	-	-
6235 Sick leave	2,514	-	-	-	-	-
6240 Educational assistance	-	-	-	5,000	-	5,000
6250 Miscellaneous personnel benefits	-	-	-	2,253,119	-	150,000
<b>O&amp;M PERSONNEL TOTAL</b>	<b>2,946,400</b>	<b>1,735,144</b>	<b>5,375,703</b>	<b>3,868,626</b>	<b>2,820,035</b>	<b>1,891,847</b>
<b>O&amp;M NON-PERSONNEL</b>						
7110 Dues & memberships	-	-	-	-	-	-
7130 Postage/shipping charges	-	-	-	-	-	-
7145 Travel expenses	-	-	-	-	-	-
7299 Other materials & supplies	-	-	-	250	-	-
7301 Bad debt expense	50,964	112,483	68,367	102,500	365,387	84,300
7306 SRWA O&M Assessment	-	-	3,818,338	3,785,726	3,785,726	3,960,083
7307 SRWA Dbt Svc Assessment	-	-	2,134,891	2,113,521	2,113,521	2,110,980
7310 Federal, state, & local fees	23	-	-	-	-	-
7315 Food, meals, ice, water	1,858	1,662	-	-	7,832	-
7325 Rental of equip/storage/land	-	-	491	-	-	-
7335 Wearing apparel & dry goods	7,627	12,324	17,756	20,000	21,027	20,000
7415 Fuels & lubricants	-	-	72,495	-	(0)	-
7697 O&M Contingency-Maintenance Pool	-	-	-	500,000	-	400,000
7698 O&M Contingency-Budget Pool	-	-	-	850,000	-	400,000
7699 Other services	81,787	15,458	632	21,000	1,212	15,000
7805 Computer equipment	-	-	-	50,000	-	50,000
7820 Office furniture & equipment	-	-	-	10,000	-	5,000
7899 Other minor tools & equipment	-	-	-	20,000	-	5,000
<b>O&amp;M NON-PERSONNEL TOTAL</b>	<b>142,259</b>	<b>141,927</b>	<b>6,112,970</b>	<b>7,472,997</b>	<b>6,294,705</b>	<b>7,050,363</b>
	<b>3,088,659</b>	<b>1,877,071</b>	<b>11,488,673</b>	<b>11,341,623</b>	<b>9,114,740</b>	<b>8,942,210</b>





Department Responsibility: Leandro G. García  
 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 2017	ACTUAL FY 2018	ACTUAL FY 2019	APPROVED BUDGET FY 2020	UNAUDITED ACTUAL FY 2020	APPROVED BUDGET FY 2021
<i>O&amp;M NON-PERSONNEL</i>						
7135 Telephone expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7605 Engineering fees	2,823	-	-	-	-	-
7630 Construction contractor services	-	-	-	-	-	-
7820 Office furniture & equipment	1,876	-	-	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	4,699	-	-	-	-	-
	4,699	-	-	-	-	-



# ***CAPITAL BUDGET***



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

Line Ref.		[A] TOTAL CARRYOVER	[B] FY 2021	[C] FY 2022	[D] FY 2023	[E] FY 2024	[F] FY 2025	[G] FIVE-YEAR TOTAL
1	Improvement Fund - CIP Funding Budget:	24,032,012	7,378,540	14,037,500	10,862,500	3,608,800	2,846,300	62,765,652
2	Improvement Fund-Capital Equipment Budget:	5,431,478	-	1,500,000	1,500,000	1,500,000	1,500,000	11,431,478
3	Improvement Fund-Facilities:	-	-	-	-	2,600,000	-	2,600,000
4	TOTAL IMPROVEMENT FUND SPENDING PLAN:	29,463,490	7,378,540	15,537,500	12,362,500	7,708,800	4,346,300	76,797,130
5	TOTAL IMPACT FEES SPENDING PLAN:	5,337,755	2,000,000	3,623,200	519,800	1,400,000	-	12,880,755
6	Commercial Paper Funding Budget-Internal:	8,100,426	14,819,984	21,373,066	10,188,440	13,883,760	55,847,350	124,213,026
7	Commercial Paper Funding Budget-Facilities:	20,738,194	-	-	-	-	-	20,738,194
8	<sup>1</sup> TOTAL COMMERCIAL PAPER SPENDING PLAN:	28,838,620	14,819,984	21,373,066	10,188,440	13,883,760	55,847,350	144,951,220
9	<sup>2,3</sup> TOTAL GRANTS SPENDING PLAN:	100,000	-	-	-	-	-	100,000
10	TOTAL PLANNED PROJECTS:	\$ 63,739,865	\$ 24,198,524	\$ 40,533,766	\$ 23,070,740	\$ 22,992,560	\$ 60,193,650	\$ 234,729,105
11	Proposed Budget Total for Fiscal Year 2021:	\$ 87,938,389		Amended Budget Total for Fiscal Year 2020:		\$ 108,350,813		
				% Change (2021 vs 2020):		-18.84%		

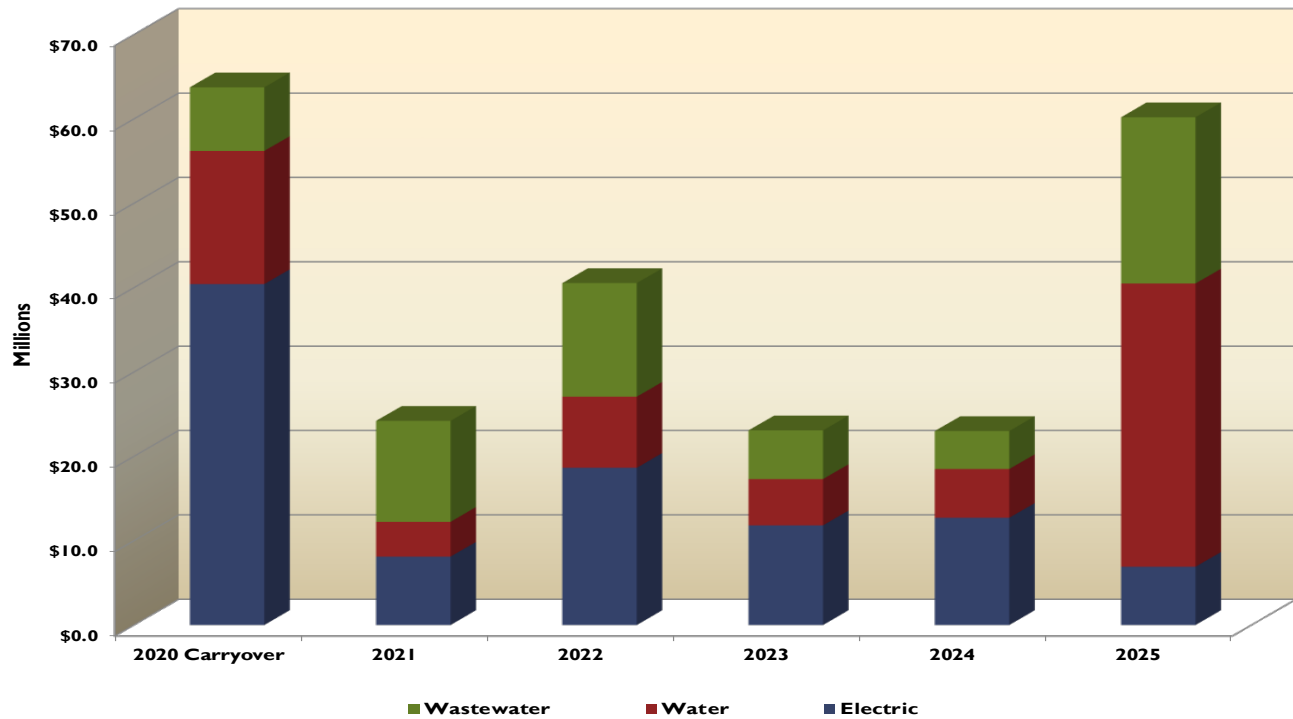
<sup>1</sup> Note: Total includes the carryover budget funded from the Commercial Paper Fund and future debt requirements for Fiscal Year 2021 and beyond.

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

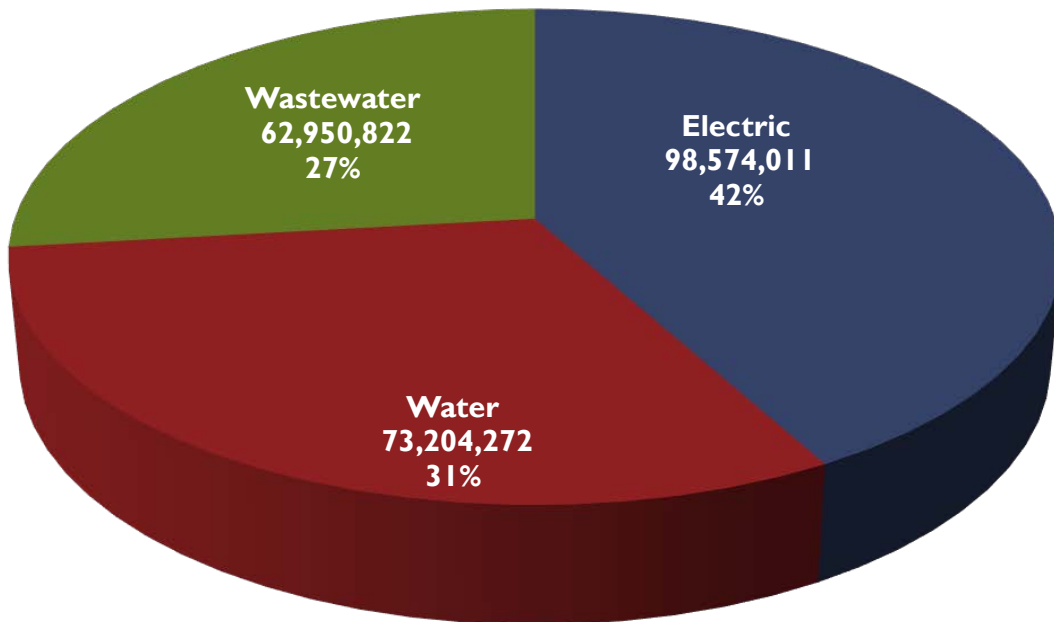
<sup>3</sup> Note: The RESTORE grant is an O&M grant and is not included in the Capital Improvement Plan.



**FIVE-YEAR CAPITAL IMPROVEMENT PLAN  
SUMMARY BY UTILITY CHART  
\$234,729,105**

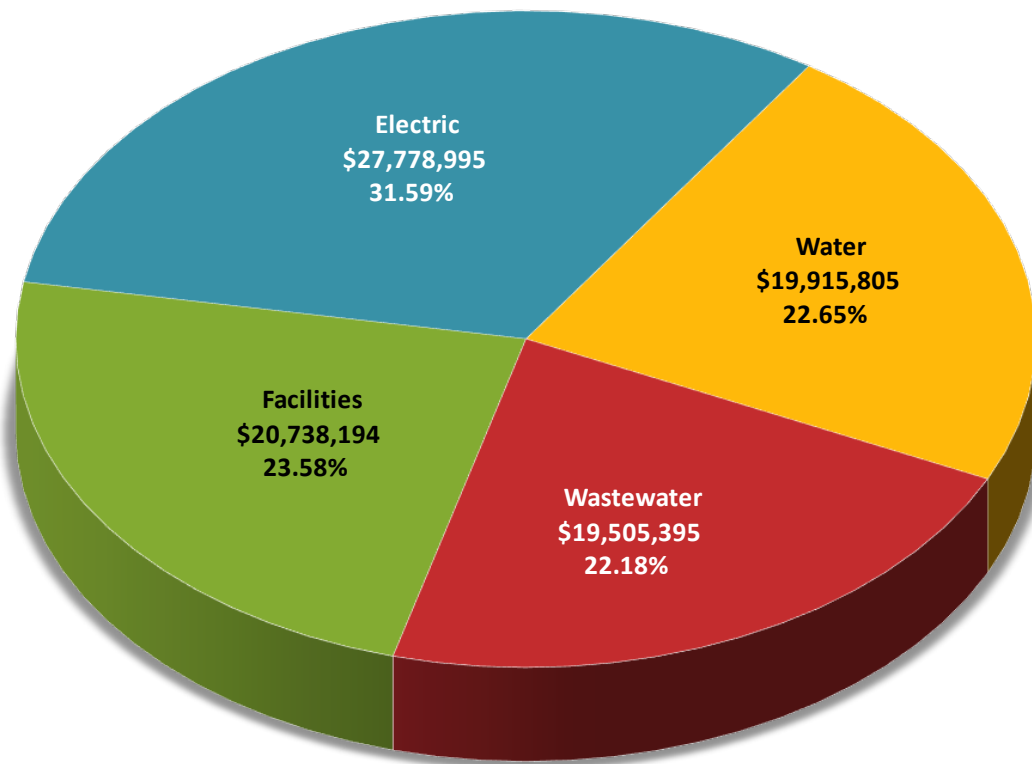


**TOTAL 5-YEAR CAPITAL IMPROVEMENT PLAN  
SUMMARY BY UTILITY  
\$234,729,105**





**FY 2021 CAPITAL BUDGET SUMMARY**  
**\$87,938,389**




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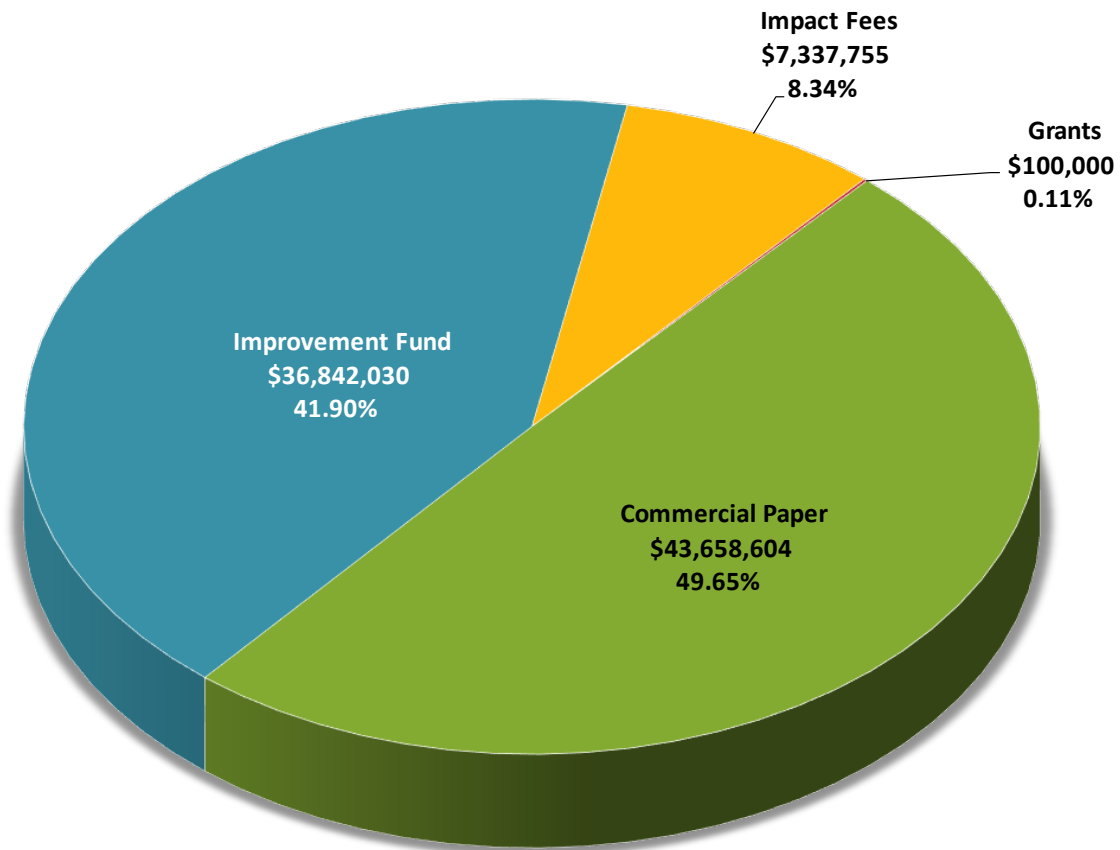
Electric	\$	27,778,995	31.59%
Water	\$	19,915,805	22.65%
Wastewater	\$	19,505,395	22.18%
Facilities	\$	20,738,194	23.58%
<b>TOTAL</b>	<b>\$</b>	<b>87,938,389</b>	<b>100.00%</b>

**Note:**

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



**FY 2021 CAPITAL BUDGET BY FUNDING SOURCE**  
**\$87,938,389**




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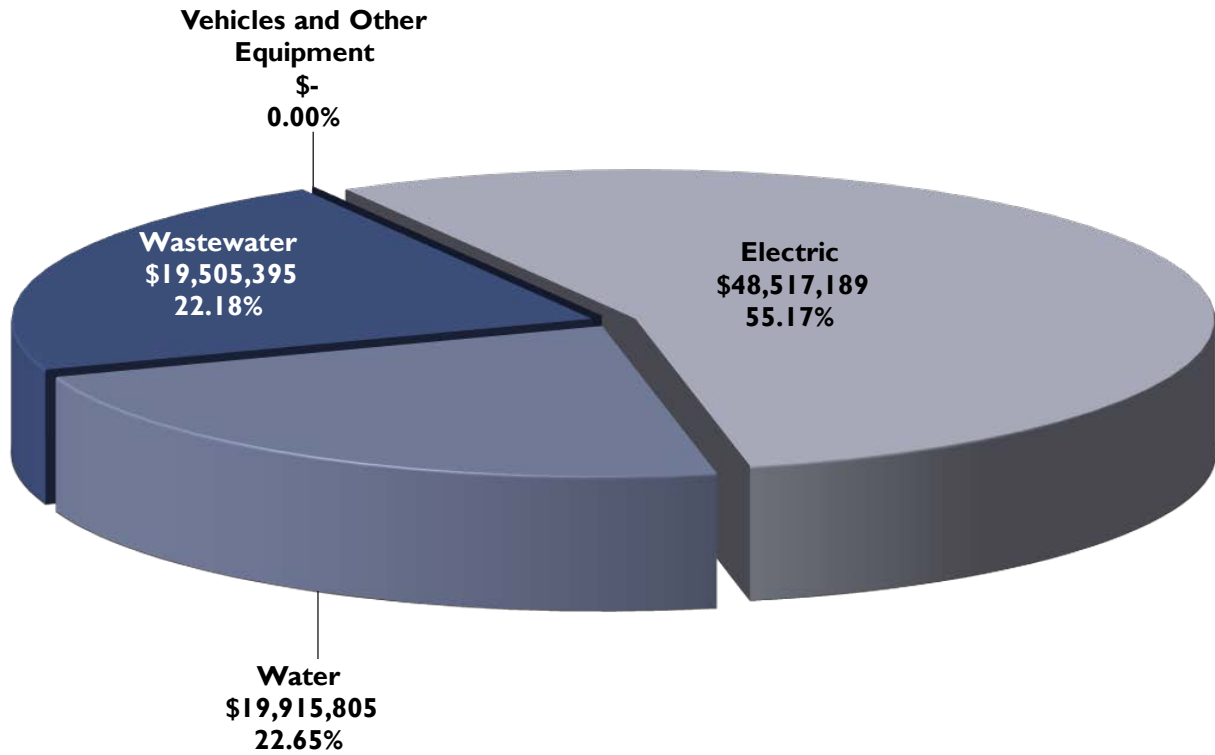
Improvement Fund	\$	36,842,030	41.90%
Impact Fees	\$	7,337,755	8.34%
Grants	\$	100,000	0.11%
Commercial Paper	\$	43,658,604	49.65%
<b>TOTAL</b>	<b>\$</b>	<b>87,938,389</b>	<b>100.00%</b>

**Note:**

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



**FY 2021 CAPITAL BUDGET BY SYSTEM**  
**\$87,938,389**




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Electric	\$	48,517,189	55.17%
Water	\$	19,915,805	22.65%
Wastewater	\$	19,505,395	22.18%
Vehicles and Other Equipment	\$	-	0.00%
<b>TOTAL</b>	<b>\$</b>	<b>87,938,389</b>	<b>100.00%</b>

**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:

<b>Project Consideration Category Reference</b>	
<b>Category</b>	<b>General Criteria</b>
Must Do	These projects are required for the normal course of business and to provide day-to-day customer service or system operations, 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 2021 – FY 2025

## PROJECT REFERENCE E1

*Purchase and installation of a 69 KV breaker for the Union Carbide 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  
Utility Function: Electric Transmission

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 47,429	\$ -	\$ -	\$ -	\$ -	\$ 47,429

*Description: Purchase and installation of a 69 KV circuit breaker to replace an existing unit. Note: \$47,429 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A.*

## PROJECT REFERENCE E2

*Airport Substation, 69 KV to 138 KV Upgrades and Power Transformer Purchase*

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  
Utility Function: Electric Transmission

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$4,545,422	\$454,578	\$ -	\$ -	\$ -	\$5,000,000

*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. The project includes the installation of one each 38 KV power transformer, three each 145 KV circuit breakers, and one each 145 KV circuit switcher Note: \$3,136,939 is the FY 2020 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 2021 – FY 2025

## PROJECT REFERENCE E3

*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  
Utility Function: Electric Transmission

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$ 70,000	\$ -	\$ -	\$ -	\$ 70,000

*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 E4

*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  
Utility Function: Electric Transmission

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$ 75,000	\$ 75,000	\$150,000	\$ -	\$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. The project will replace several legacy overcurrent, transformer differential, and bus differential protection relays with new SEL microprocessor relays.*

*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 2021 – FY 2025

## PROJECT REFERENCE E5

*Replace 1200 Amp Disconnect Switches at Power Plant and Water Port*

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  
Utility Function: Electric Transmission

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 50,000	\$ 40,000	\$ -	\$ -	\$ -	\$ 90,000

*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 Water Port Substation.*

*Project Cost Savings & Revenues: N/A.*

## PROJECT REFERENCE E6

*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: Resubmission

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Arnulfo Mejia  
Utility Function: Electric Transmission

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$150,000	\$150,000	\$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 eight 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 2021 – FY 2025

## PROJECT REFERENCE E7

*Replace Circuit Switches at FM 802 and 6<sup>th</sup> Street Substations*

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  
Utility Function: Electric Transmission

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$ -	\$ 70,000	\$ 50,000	\$ -	\$120,000

*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 Substation and 6<sup>th</sup> Street Substation.*

*Project Cost Savings & Revenues: N/A.*

## PROJECT REFERENCE E8

*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  
Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$460,575	\$ -	\$ -	\$ -	\$ -	\$460,575

*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: \$460,575 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## PROJECT REFERENCE E9

### *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  
Utility Function: Electric Administration

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$100,000	\$250,000	\$ -	\$ -	\$ -	\$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. This project will include the purchase, installation and implementation of replacement video media servers, video media software, and video cameras located at all substations, control centers, and the Power Plant. The new system will comply with one of the requirements in the NERC CIP Standard on Physical Perimeter Security.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E10

### *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  
Utility Function: Electric Transmission

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$312,940	\$ -	\$ -	\$ -	\$ -	\$312,940

*Description: The current SCADA system is in need of an upgrade with regard to software, hardware and other key components. Note: \$312,940 is the FY 2020 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 2021 – FY 2025

## PROJECT REFERENCE E11

*Estimated Miscellaneous Carryover Project Amount*

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

Funding Source: Improvement  
Project Considered: Must Do  
Originator:  
Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$748,471	\$ -	\$ -	\$ -	\$ -	\$748,471

*Description: This line item is the budget for the carryover projects rolled over from Fiscal Year 2020. 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: \$748,471 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E12

*Estimated Miscellaneous Carryover Project Amount*

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  
Utility Function: Electric Transmission

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 12,092	\$ -	\$ -	\$ -	\$ -	\$ 12,092

*Description: This line item is the budget for the carryover projects rolled over from Fiscal Year 2020. Projects include the replacement of transmission poles throughout the City of Brownsville. Note: \$12,092 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## PROJECT REFERENCE E13

### *New Connections*

Organization: 2410 Electric Engineering  
Project Related to: Growth  
Project Occurrence: Recurring  
Category: Routine

Funding Source: Improvement  
Project Considered: General  
Originator: Eliazar Perez  
Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$1,331,095	\$938,600	\$794,300	\$794,300	\$794,300	\$4,652,595

*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: \$536,795 is the FY 2020 carryover amount.*

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

## PROJECT REFERENCE E14

### *New Subdivisions*

Organization: 2410 Electric Engineering  
Project Related to: Growth  
Project Occurrence: Recurring  
Category: Routine

Funding Source: Improvement  
Project Considered: General  
Originator: Eliazar Perez  
Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$1,256,941	\$609,200	\$609,200	\$609,200	\$609,200	\$3,693,741

*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: \$647,741 is the FY 2020 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 2021 – FY 2025

## PROJECT REFERENCE E15

### *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  
Utility Function: Electric Distribution

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$260,055	\$129,900	\$129,900	\$129,900	\$129,900	\$779,655

*Description: Security lights provide illumination at private residences as well as commercial lots where street lights do not. Note: \$130,155 is the FY 2020 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 E16

### *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  
Utility Function: Electric Distribution

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$182,983	\$109,200	\$109,200	\$109,200	\$109,200	\$619,783

*Description: Street lights illuminate entrances, sections of roadways, streets, alleys and intersections throughout the City of Brownsville. Note: \$73,783 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE E17

*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  
Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$1,010,649	\$1,251,064	\$1,231,597	\$1,203,700	\$1,203,700	\$5,900,710

*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: \$90,611 is the FY 2020 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 E18

*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  
Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 49,909	\$ -	\$ -	\$ -	\$ -	\$ 49,909

*Description: Replace 37 each defective poles on the feeder off of Boca Chica Boulevard. Three 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 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## PROJECT REFERENCE E19

*Overhead to Underground Conversion Along Les Mauldin Road from South Iowa to Amelia Earhart Dr.*

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Eliazar Perez  
Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$594,780	\$ -	\$ -	\$ -	\$ -	\$594,780

*Description: The Brownsville South Padre Island International Airport requested the conversion of electric utility infrastructure from overhead to underground along Les Mauldin Road from South Iowa Road into Amelia Earhart Drive ending at the new Airport Terminal. Note: \$594,780 is the FY 2020 carryover amount. The project includes the conversion of existing area street lights with LED equivalent lights.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E20

*Billy Mitchell Blvd. Street Lights Upgrade*

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  
Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$650,000	\$ -	\$ -	\$ -	\$ -	\$650,000

*Description: Upgrade 54 each existing street light poles and fixtures along Billy Mitchell Boulevard with proposed new metrolite poles and luminaires. Also, replace the existing conduit infrastructure to underground. Note: \$650,000 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## PROJECT REFERENCE E21

*Street Lights on Teofilo Crixell Street Bypass S Minnesota Avenue*

Organization: 2410 Electric Engineering

Project Related to: Growth

Project Occurrence: One-time

Category: Carryover

Funding Source: Improvement

Project Considered: Reliability

Originator: Eliazar Perez

Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 28,669	\$ -	\$ -	\$ -	\$ -	\$ 28,669

*Description: Replace the current street light infrastructure on Teofilo Crixell Street off of South Minnesota Avenue with 10 each concrete poles with 250W equivalent LED fixtures and 2,318 feet underground cable in 1-inch polyethylene pipe. Note: \$28,669 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E22

*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

Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE E23

*Rio Grande Distribution Substation Upgrade, 69KV to 138 KV*

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  
Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$603,509	\$ -	\$ -	\$ -	\$ -	\$603,509

*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: \$603,509 is the FY 2020 carryover amount.*

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

## PROJECT REFERENCE E24

*Rio Grande Substation Transmission Pole*

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Eliazar Perez  
Utility Function: Electric Transmission

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 14,050	\$ -	\$ -	\$ -	\$ -	\$ 14,050

*Description: Install a new 90-foot concrete dead-end pole and install new transmission conduit in coordination with work association with the new Rio Grande Substation. Note: \$14,050 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE E25

*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  
Utility Function: Electric Transmission

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$890,000	\$ -	\$ -	\$ -	\$ -	\$890,000

*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: \$890,000 is the FY 2020 carryover amount.*

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

## PROJECT REFERENCE E26

*Power Plant Substation Disconnect Switches Replacement*

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Eliazar Perez  
Utility Function: Electric Transmission

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 58,593	\$ -	\$ -	\$ -	\$ -	\$ 58,593

*Description: Replace the existing disconnect switches with new 161kV, 1200A disconnect switches. Note: \$58,593 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## PROJECT REFERENCE E27

*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

Utility Function: Electric Transmission

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$310,245	\$ -	\$ -	\$ -	\$ -	\$310,245

*Description: Coordinate the transmission line re-route to the Sharyland Utilities Stillman Station by upgrading the Loma Alta Substation. Note: \$310,245 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E28

*Relay and other upgrades at Price Rd, Waterport and Loma Alta Substations to Accommodate the 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

Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$144,329	-	-	-	-	\$144,329

*Description: Coordinate the relay upgrades at the Loma Alta Substation to accommodate the Sharyland Utilities Stillman Station, as requested by ERCOT. Note: \$144,329 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE E29

### *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  
Utility Function: Electric Distribution

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$333,091	\$ -	\$ -	\$ -	\$ -	\$333,091

*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: \$333,091 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E30

### *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  
Utility Function: Electric Distribution

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 39,704	\$ -	\$ -	\$ -	\$ -	\$ 39,704

*Description: Replace 20 each wooden poles assemblies on State Highway 48 from east of Paredes Line Road to west of Security Drive, as requested by the Texas Department of Transportation. Note: \$39,704 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE E31

*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  
Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 70,718	\$ -	\$ -	\$ -	\$ -	\$ 70,718

*Description: Replace 162 each wood cross arms with fiberglass cross arms and associated equipment at the Port of Brownsville. Note: \$70,718 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E32

*Six New Rio Grande Substation Distribution Feeders*

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Rose M. Alaniz  
Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$195,570	\$ -	\$ -	\$ -	\$ -	\$195,570

*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. Note: \$195,570 is the FY 2020 carryover amount.*

*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 2021 – FY 2025

## PROJECT REFERENCE E33

*Alternate Service Feeder to Annex*

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Eliazar Perez  
Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$194,535	\$ -	\$ -	\$ -	\$ -	\$194,535

*Description: Installation of underground conductor and the equipment necessary to create an alternate service feeder to the proposed Administration Building Annex. Note: \$194,535 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E34

*Feeder Extension and Tie Along Coffee Road*

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  
Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 69,344	\$ -	\$ -	\$ -	\$ -	\$ 69,344

*Description: Extend the feeder and tie along Coffee Road by installing new poles, conduit and ther necessary equipment. Note: \$69,344 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## PROJECT REFERENCE E35

*Boca Chica Fiber Installation (Phase 1) between US Hwy 77/83 and Padre Island Hwy*

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  
Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 36,656	\$ -	\$ -	\$ -	\$ -	\$ 36,656

*Description: Install underground fiber optic cables along Boca Chica Boulevard between US Highway 77/83 and Padre Island Highway. The infrastructure will modernize the City of Brownsville's vehicular traffic system and provide City buildings / sites with more reliable network connectivity. Note: \$36,656 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E36

*Battlefield Trail Fiber Installation (Phase 2) – Hike and Bike Trail along Paredes Line Rd between Boca Chica Blvd and Morrison Rd*

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  
Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 24,601	\$ -	\$ -	\$ -	\$ -	\$ 24,601

*Description: Install underground fiber optic cables along Boca Chica Boulevard along the Hike and Bike Trail along Paredes Line Road between Boca Chica Boulevard and Morrison Road. The infrastructure will modernize the City of Brownsville's vehicular traffic system and provide City buildings / sites with more reliable network connectivity. Note: \$24,601 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## PROJECT REFERENCE E37

*Boca Chica Fiber Installation (Phase 3) between Padre Island Hwy and FM 511*

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

Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$106,382	\$ -	\$ -	\$ -	\$ -	\$106,382

*Description: Install underground fiber optic cables along Boca Chica Boulevard between Padre Island Highway and FM 511. The infrastructure will modernize the City of Brownsville's vehicular traffic system and provide City buildings / sites with more reliable network connectivity. Note: \$106,382 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E38

*Fiber Optic from Southmost Library to new Airport Terminal*

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

Utility Function: Electric Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 68,504	\$ -	\$ -	\$ -	\$ -	\$ 68,504

*Description: Extend approximately 20,000 feet of new 48-strand fiber optic cable from the Southmost Library to the new Airport Terminal. Note: \$68,504 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE E39

### *Distribution Management System (DMS) Implementation Project*

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Eliazar Perez  
Utility Function: Electric Distribution

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$265,437	\$ -	\$ -	\$ -	\$ -	\$265,437

*Description: Install equipment to allow for the implementation of a Distribution Management System at two each pilot feeders. Note: \$265,437 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E40

### *Extension of Electric Service to the City of Brownsville and Department of Public Safety Joint Tactical Training Center*

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

Funding Source: Improvement  
Project Considered: General  
Originator: Eliazar Perez  
Utility Function: Electric Distribution

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 75,266	\$ -	\$ -	\$ -	\$ -	\$ 75,266

*Description: Install conduit and equipment necessary to service the proposed City of Brownsville and Texas Department of Public Safety Joint Tactical Training Center. Note: \$75,266 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## PROJECT REFERENCE E41

*6 Each Automatic Transfer Switches*

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  
Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$451,116	\$ -	\$ -	\$ -	\$ -	\$451,116

*Description: Install 6 each automatic transfer switches throughout the City of Brownsville. Note: \$451,116 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E42

*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: Resubmission

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Cesar A. Cortinas  
Utility Function: Electric Transmission

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$586,317	\$ -	\$ -	\$ -	\$ -	\$586,317

*Description: Purchase a new 138/12.47kV 28 MVA power transformer, for use as a spare for the Military Highway Substation. Note: \$586,317 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE E43

*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  
Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$686,317	\$1,000,000	\$ -	\$ -	\$ -	\$1,686,317

*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.*

*Note: \$586,317 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E44

*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  
Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$ 62,500	\$125,000	\$ 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.*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE E45

*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: Resubmission

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Cesar A. Cortinas  
Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$200,000	\$3,712,500	\$3,712,500	\$ -	\$ -	\$7,625,000

*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.*

## PROJECT REFERENCE E46

*South Plant Substation Feeders to serve developments*

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  
Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$293,200	\$293,200	\$ -	\$ -	\$ -	\$586,400

*Description: The BPUB proposes to extend a new distribution feeder to meet the demands of its customers. In addition to serving significant development in the 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.*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE E47

*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

Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$200,000	\$1,685,000	\$ -	\$ -	\$ -	\$1,885,000

*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*

## PROJECT REFERENCE E48

*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: Resubmission

Funding Source: Improvement

Project Considered: Reliability

Originator: Enrique Romo Jr

Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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. Note: \$168,000 is the FY 2020 carryover amount.*

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



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## PROJECT REFERENCE E49

*Install Electrical Conductor and Conduit at Timbers Subdivision*

Organization: 2410 Electric Engineering

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Improvement

Project Considered: Reliability

Originator: Enrique Romo Jr

Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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. Note: \$89,600 is the FY 2020 carryover amount.*

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

## PROJECT REFERENCE E50

*Recloser Controls on Substation Feeders*

Organization: 2410 Electric Engineering

Project Related to: Growth

Project Occurrence: One-time

Category: Resubmission

Funding Source: Improvement

Project Considered: Reliability

Originator: Rose M. Alaniz

Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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.*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## PROJECT REFERENCE E51

*Dynamic Disturbance Recorder Installation at Price Road 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

Utility Function: Electric Transmission

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 58,466	\$ -	\$ -	\$ -	\$ -	\$ 58,466

*Description: This project consists of updating the existing RTAC Axion by installing a new dynamic disturbance recorder at the Price Road Substation bus, as requested by ERCOT to comply with NERC regulations.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E52

*Distribution Feeder Protection (Case Study)*

Organization: 2410 Electric Engineering

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Improvement

Project Considered: General

Originator: Eliazar Perez

Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$125,000	\$ -	\$ -	\$ -	\$125,000

*Description: BPUB proposes to install fuse protection to existing branch lines that directly affect main feeders.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE E53

### *Overhead Insulated Wire Installation*

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

Funding Source: Improvement  
Project Considered: General  
Originator: Eliazar Perez  
Utility Function: Electric Distribution

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 55,000	\$ 55,000	\$ -	\$ -	\$ -	\$110,000

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

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E54

### *56 MVA Northwest Distribution Substation*

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

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

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$2,000,000	\$3,330,000	\$ -	\$ -	\$ -	\$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 2021 – FY 2025

## PROJECT REFERENCE E55

*Electric Utility Work (via contractors)*

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

Funding Source: Commercial Paper  
Project Considered: General  
Originator: Eliazar Perez  
Utility Function: Electric Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$1,000,000	\$1,000,000	\$1,000,000	\$ -	\$3,000,000

*Description: This item will provide funding to hire contractors to perform various types of electric utility work to meet the needs of the growing electric system. This project will ensure timely electrical installations without sacrificing electrical maintenance programs that sustain and improve reliability.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E56

*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  
Utility Function: Electric Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 2020 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.*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE E57

*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  
Utility Function: Electric Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$150,000

*Description: Improvements submitted by staff for the Electric Utility.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E58

*Hidalgo Capital Improvements*

Organization: 2220 Power Production  
Project Related to: Replacement/Upgrades/Rehabilitation  
Project Occurrence: Recurring  
Category: Resubmission

Funding Source: Improvement  
Project Considered: Load/Capacity Relief  
Originator: Rolando Lozano  
Utility Function: Electric Generation

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$924,841	\$300,000	\$300,000	\$ -	\$ -	\$1,524,841

*Description: This item funds BPUB's share of expenditures 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. Note: \$724,841 is the FY 2020 carryover amount.*

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



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE E59

### *Oklaunion Capital Improvements*

Organization: 2220 Power Production  
Project Related to: Replacement/Upgrades/Rehabilitation  
Project Occurrence: Recurring  
Category: Resubmission

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Rolando Lozano  
Utility Function: Electric Generation

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

*Description: BPUB owned 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.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E60

### *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  
Utility Function: Electric Generation

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$644,655	\$ -	\$ -	\$ -	\$ -	\$644,655

*Description: Replacement of cooling tower designed for the specific application to reduce maintenance cost, liability and improve performance. Note: \$644,655 is the FY 2020 carryover amount.*

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



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE E61

### *HRSG Economizer Equipment Replacement for Unit 6*

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Rolando Lozano  
Utility Function: Electric Generation

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$850,000	\$ -	\$ -	\$ -	\$850,000

*Description: Replace the Heat Recovery System Generator (HRSG) economizer section, which has reached the end of its useful life.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E62

### *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  
Utility Function: Electric Generation

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$475,000	\$ -	\$ -	\$ -	\$ -	\$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: \$337,586 is the FY 2020 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 2021 – FY 2025

### PROJECT REFERENCE E63

*Control System Integration of Unit 9 Fuel Gas Compressors*

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

Utility Function: Electric Generation

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$442,645	\$ -	\$ -	\$ -	\$ -	\$442,645

*Description: Replace obsolete electromechanically based relay protection for Unit 9, as required for NERC Reliability Standard compliance. Note: \$417,879 is the FY 2020 carryover amount*

*Project Cost Savings & Revenues: N/A*

### PROJECT REFERENCE E64

*Unit 6 Improvement Project – New Steam Turbine Generator - Engineering*

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

Utility Function: Electric Generation

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$200,000	\$ -	\$ -	\$ -	\$200,000

*Description: This line item is for the design and engineering of a new steam turbine generator at Unit 6.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE E64

*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: Commercial Paper  
Project Considered: Reliability  
Originator: Rolando Lozano  
Utility Function: Electric Generation

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$ -	\$ -	\$4,000,000	\$2,553,480	\$6,553,480

*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. \$200,000 will be funded from Improvement; and \$6,553,480 will be funded from Commercial Paper.*

*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 E65

*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  
Utility Function: Electric Generation

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 2021 – FY 2025

## PROJECT REFERENCE E66

*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  
Utility Function: Electric Generation

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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: \$421,644 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E67

*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  
Utility Function: Electric Generation

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$260,174	\$ -	\$ -	\$ -	\$ -	\$260,174

*Description: Engineering and feasibility services and right-of-way for the proposed natural gas pipeline. Note: \$260,174 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE E68

### *Carryover Capital Equipment*

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

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Company wide  
Utility Function: Electric Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$1,400,629	\$ -	\$ -	\$ -	\$ -	\$1,400,629

*Description: This line item is the budget for the carryover capital equipment. These items include purchases of vehicles and other equipment. Note: \$1,400,629 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE E68

### *Estimated Capital Equipment*

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

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Company wide  
Utility Function: Electric Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$-	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$6,000,000

*Description: This line item will provide funding for the purchase of new 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 2021 – FY 2025

## 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  
Utility Function: General Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$462,843	\$ -	\$ -	\$ -	\$ -	\$462,843

*Description: Architectural and engineering design services of the new Administration Building Annex to be located next to the current Administration Building on Robinhood Street. Note: \$462,843 is the FY 2020 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  
Utility Function: General Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 93,819	\$ -	\$ -	\$ -	\$ -	\$ 93,819

*Description: The FM 511 Facilities Relocation Project consists of the architectural and engineering design services for the new Service Center on FM 511. Note: \$93,819 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## 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  
Utility Function: General Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 2020 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  
Utility Function: General Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$297,945	\$ -	\$ -	\$ -	\$ -	\$297,945

*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: \$297,945 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE G5

*Traffic Signal on FM 511 and Old Alice Rd*

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  
Utility Function: General Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$320,171	\$ -	\$ -	\$ -	\$ -	\$320,171

*Description: The Service Center at FM 511 houses over 300 BPUB fleet vehicles of all sizes. It is anticipated that these vehicles may cause major problems at the intersection of FM 511 and Old Alice Road where only a flashing red light exists. Purchase and install a traffic signal at this intersection. Note: \$320,171 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE G6

*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  
Utility Function: General Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$333,211	\$ -	\$ -	\$ -	\$ -	\$333,211

*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: \$333,211 is the FY 2020 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.*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE G7

### *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  
Utility Function: General Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$ -	\$1,000,000	\$ 500,000	\$ -	\$1,500,000

*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.*

## 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  
Utility Function: Customer Service

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 70,276	\$ -	\$ -	\$ -	\$ -	\$ 70,276

*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: \$70,276 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## 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  
Utility Function: General Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 22,696	\$ -	\$ -	\$ -	\$ -	\$ 22,696

*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: \$22,696 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE G9

*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  
Utility Function: General Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 6,352	\$ -	\$ -	\$ -	\$ -	\$ 6,352

*Description: Purchase additional server storage such as Powervault Chassis, SSD disks and EMC storage. Note: \$6,352 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## PROJECT REFERENCE G10

*Dell FX Chassis and Storage – Power Plant*

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  
Utility Function: General Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE G11

*Offsite Hardware - Drive Expansion*

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Sergio Martinez  
Utility Function: General Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE G12

### *Power Plant IT Battery Bank Backup Power*

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Sergio Martinez  
Utility Function: General Administration

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE G13

### *Cognos Software*

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Sergio Martinez  
Utility Function: General Administration

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 32,000	\$ -	\$ -	\$ -	\$ -	\$ 32,000

*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: \$32,000 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE G14

*Dell FX chassis and storage – Administration 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  
Utility Function: General Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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. Note: \$80,000 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE G15

*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  
Utility Function: General Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 2021 – FY 2025

## PROJECT REFERENCE G16

*FM 511 Tower*

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

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Sergio Martinez  
Utility Function: General Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000

*Description: Install a radio communication tower at the new FM 511 Service Yard area. The tower will communicate with radio network equipment at the Power Plant and with the SCADA network. These towers will provide redundancy in case of any natural disaster or during maintenance of the IT fiber optics installed by the SCADA department. Note: \$75,000 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE G17

*APC / UPS - DataCenter Hardware Replacement*

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  
Utility Function: General Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 2021 – FY 2025

## PROJECT REFERENCE G18

### *Cybersecurity Appliances*

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  
Utility Function: General Administration

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$140,000	\$ -	\$ -	\$ -	\$140,000

*Description: Install next-generation firewalls in order to detect and protect the system environment. These appliances will allow for a more centralized view to enable a more granular security of software applications, improve network security and simplify the network workload.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE G19

### *E911 and Cisco Switch Upgrade*

Organization: 7130 Information Technology  
Project Related to: Emergency  
Project Occurrence: One-time  
Category: New

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Sergio Martinez  
Utility Function: General Administration

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$130,000	\$ 96,000	\$ -	\$ -	\$226,000

*Description: Cisco Emergency Responder 9.0 is a software appliance that enhances emergency calling from Cisco Unified Communications Manager. It helps assure that Cisco Unified Communications Manager sends emergency calls to the appropriate Public Safety Answering Point (PSAP) for the caller's location, and that the PSAP can identify the caller's location and, if necessary, return the call. Cisco Emergency Responder can also notify customer security personnel of an emergency call in progress and the caller's location. Core Networking switches will also need to be upgraded.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## PROJECT REFERENCE G20

*Information Technology for Annex Building*

Organization: 7130 Information Technology  
Project Related to: Emergency  
Project Occurrence: One-time  
Category: New

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Sergio Martinez  
Utility Function: General Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$120,000	\$ -	\$ -	\$ -	\$ -	\$120,000

*Description: Purchase and installation of information technology for the new Annex Building.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE G21

*Cisco Core Networking Equipment – Annex Building*

Organization: 7130 Information Technology  
Project Related to: Emergency  
Project Occurrence: One-time  
Category: New

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Sergio Martinez  
Utility Function: General Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$200,000	\$ -	\$ -	\$ -	\$ -	\$200,000

*Description: Purchase and installation of the Enterprise Cisco Core networking equipment for new Annex building to support phone/network communications. This equipment will provide the necessary network connectivity to support the BPUB enterprise business applications recommended by the Strategic Plan.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE G22

### *GPS Tracking System Project*

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

Funding Source: Improvement  
Project Considered: General  
Originator: Sergio Martinez  
Utility Function: General Administration

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000

*Description: Purchase and installation of the GPS tracking system for tracking BPUB's fleet.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W1

### *SRWA Wells Fiber Optic Communications*

Organization: 2210 SCADA & Electrical Support Serv.  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: New

Funding Source: Improvement  
Project Considered: Reliability  
Originator:  
Utility Function: Water Administration

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$244,642	\$260,358	\$ -	\$ -	\$ -	\$505,000

*Description: Extend fiber communications from the Palo Alto Substation to all SRWA well sites. The current radio system is affected by weather events, such as lightning, that prevent the system from restarting. Operations is affected while the radio system is repaired.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE W2

*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

Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 58,962	\$ -	\$750,000	\$ -	\$ -	\$808,962

*Description: Procure engineering services to rehabilitate the Raw Water Pump Station with new pumps, motor and piping, valve controls, SCADA modifications and electrical controls. After the engineering phase complete, purchase and install the components for the Raw Water Pump Station. Note: \$58,962 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W3

*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

Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 82,587	\$ -	\$ -	\$ -	\$ -	\$ 82,587

*Description: Procure engineering services to rehabilitate High Service Pump Station No. 1 by replacing the electrical building, outside transformers and electrical controls. Note: \$82,587 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE W4

*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

Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 45,351	\$ -	\$ -	\$ -	\$ -	\$ 45,351

*Description: Procure engineering services to rehabilitate High Service Pump Station No. 2 with new pumps, motor and piping, and electrical controls. Note: \$45,351 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W4

*High Service Pump No. 2 – Pump and Motor Replacement (Construction)*

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

Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$260,000	\$ -	\$ -	\$ -	\$260,000

*Description: The current high service pump is over 30 years old and would be more cost effective to replace the entire unit. Replace the pump and motor replacement at High Service Pump No. 2.*

*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 2021 – FY 2025

## PROJECT REFERENCE W5

### *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

Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 58,500	\$ -	\$ -	\$ -	\$ -	\$ 58,500

*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*

## PROJECT REFERENCE W6

### *High Service Pump No. 5 Replacement – Design and Pump and Motor (Construction)*

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover/Resubmission

Funding Source: Commercial Paper

Project Considered: Load/Capacity Relief

Originator: Domingo Cortez

Utility Function: Water Supply

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$726,568	\$ -	\$ -	\$ -	\$ -	\$726,568

*Description: The current high service pump is over 30 years old and would be more cost effective to replace the entire unit. Note: \$726,568 is the FY 2020 carryover amount.*

*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 2021 – FY 2025

## PROJECT REFERENCE W7

*Drain Valves for the Drying Lagoons*

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover/Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Domingo Cortez

Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W8

*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: Carryover

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Domingo Cortez

Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 1,385	\$ -	\$ -	\$ -	\$260,000	\$261,385

*Description: The current rakes inside the clarifiers are severely corroded and need to be replaced with stainless steel rakes. Note: \$1,385 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE W9

### *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

Utility Function: Water Treatment

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 8,894	\$ -	\$ -	\$ -	\$ -	\$ 8,894

*Description: Purchase and install three each slide gates and mud valves to replace the existing units inside the Train B flocculation basin. Note: \$8,894 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W10

### *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

Utility Function: Water Treatment

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 60,934	\$ -	\$ -	\$ -	\$ -	\$ 60,934

*Description: Purchase and install a high service pump to replace the existing unit. Note: \$60,934 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## PROJECT REFERENCE W11

*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

Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 4,365	\$ -	\$ -	\$ -	\$ -	\$ 4,365

*Description: Purchase and install two each flocculator mixer drives to replace the existing units. Note: \$4,365 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W12

*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: Reliability

Originator: Domingo Cortez

Utility Function: Water Supply

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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. Note: \$32,500 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## PROJECT REFERENCE W13

*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

Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 214,000	\$ -	\$ -	\$ -	\$ -	\$214,000

*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 W14

*Pump Station 1 High Service Pump No. 6*

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Reliability

Originator: Domingo Cortez

Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$ -	\$ -	\$ -	\$1,211,600	\$1,211,600

*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*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE W15

*Raw Water Pump Station No. 1, 2 and 3*

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

Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$156,474	\$ -	\$ -	\$ -	\$156,474

*Description: Upgrade the raw water pumps, add a variable frequency drive and provide SCADA improvements.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W16

*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: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Domingo Cortez

Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE W17

*Backup caustic soda bulk tank*

Organization: 3120 Water Plant I  
Project Related to: Growth  
Project Occurrence: One-time  
Category: New

Funding Source: Commercial Paper  
Project Considered: Reliability  
Originator: Domingo Cortez  
Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$150,000

*Description: Purchase and installation of a backup caustic soda bulk tank.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W18

*Chlorine storage capacity upgrade*

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  
Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$207,500	\$ -	\$ -	\$ -	\$207,500

*Description: Upgrade the chlorine storage capacity for storing chlorine containers in order to meet TECQ's 15-day supply requirement.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## PROJECT REFERENCE W19

*On-site Generation of Sodium Hypochlorite*

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

Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$365,000	\$365,000	\$436,270	\$2,420,000	\$3,193,730	\$6,780,000

*Description: Design, engineering, procurement and implementation of an on-site generation facility of sodium hypochlorite. The site will provide a safer and reliable disinfection process.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W20

*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

Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 2021 – FY 2025

## 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  
Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 12,858	-	-	-	-	\$ 12,858

*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: \$12,858 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W22

*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  
Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 53,419	\$ -	\$ -	\$ -	\$ -	\$ 53,419

*Description: Procure engineering services to rehabilitate the High Service Pump Station with new pumps and electrical controls. Note: \$53,419 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## PROJECT REFERENCE W23

*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

Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 43,088	\$ -	\$ -	\$ -	\$ -	\$ 43,088

*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: \$43,088 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W24

*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

Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 treatment capacity of 10 million gallons per day each.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## PROJECT REFERENCE W25

*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

Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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. Note: \$196,500 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: Save repair costs for the current pump.*

## PROJECT REFERENCE W26

*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

Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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.*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## PROJECT REFERENCE W27

*High Service Station – Replacement and Upgrade (includes replacement of high service pump no. 4 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

Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$262,000	\$ -	\$ -	\$ -	\$ -	\$262,000

*Description: Replace and upgrade the High Service Station. Note: \$262,000 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W28

*Replacement of Backwash Waste Pump No 1*

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

Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$131,000	\$ -	\$ -	\$ -	\$ -	\$131,000

*Description: The current pump is over 20 years old. The sludge pump transports 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.*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE W29

*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: Must Do

Originator: Jacob Galvan

Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 W30

*On-site Generation of Sodium Hypochlorite*

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

Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$660,000	\$ -	\$ -	\$5,450,000	\$6,110,000

*Description: Design, engineering, procurement and implementation of an on-site generation facility of sodium hypochlorite. The site will provide a safer and reliable disinfection process.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## PROJECT REFERENCE W31

### *Coagulant Bulk Tank Replacement*

Organization: 3130 Water Plant II

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: New

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Jacob Galvan

Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$ 73,055	\$ -	\$ -	\$ -	\$ 73,055

*Description: Replace the existing coagulant bulk tank with a new double wall tank and leak detection system.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W32

### *Structure analysis and repairs of the Reservoir Raw Water Pump House*

Organization: 3130 Water Plant II

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: New

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Jacob Galvan

Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 50,000	\$300,000	\$ -	\$ -	\$ -	\$350,000

*Description: Procure services for the structure analysis and repairs of the reservoir raw water pump house.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE W33

*Sodium chlorite bulk tank replacement*

Organization: 3130 Water Plant II

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: New

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Jacob Galvan

Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 55,024	\$ -	\$ -	\$ -	\$ -	\$ 55,024

*Description: Replace the existing sodium chlorite bulk tank.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W34

*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

Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$ -	\$400,000	\$400,000	\$ -	\$800,000

*Description: Replace the existing aeration tanks.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE W35

*Lighting on the Sedimentation Basin*

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

Utility Function: Water Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$330,000	\$ -	\$ -	\$ -	\$ -	\$330,000

*Description: Procurement and installation of lighting on the sedimentation basin.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W36

*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

Utility Function: Water Supply

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE W37

### *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  
Utility Function: Water Transmission & Distribution

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 16,655	\$ -	\$ -	\$ -	\$ -	\$ 16,655

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

*Note: \$16,655 is the FY 2020 carryover amount.*

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

## PROJECT REFERENCE W38

### *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  
Utility Function: Water Transmission & Distribution

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 12,076	\$ -	\$ -	\$ -	\$ -	\$ 12,076

*Description: Engineer the replacement of inoperable waterline valves ranging in sizes from 4" to 16" throughout the City of Brownsville. Note: \$12,076 is the FY 2020 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 2021 – FY 2025

## PROJECT REFERENCE W39

### *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  
Utility Function: Water Transmission & Distribution

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$617,697	\$520,000	\$650,000	\$650,000	\$650,000	\$3,087,697

*Description: This line item provides funding to implement new water connections for future customers requesting service.*

*Project Cost Savings & Revenues: Work effort adds additional connections to the system.*

## PROJECT REFERENCE W40

### *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  
Utility Function: Water Transmission & Distribution

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE W41

*Valve Replacement Project Phase 3 - Construction*

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

Funding Source: Commercial Paper  
Project Considered: Must Do  
Originator: Armando Garcia  
Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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. Note: \$250,000 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A.*

## PROJECT REFERENCE W42

*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  
Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$103,500	\$ -	\$ -	\$ -	\$ -	\$103,500

*Description: This line item is the budget for the carryover projects rolled over from Fiscal Year 2020. Projects includes the water line inspections for subdivisions throughout the City and other water utility projects. Note: \$103,500 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE W43

*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  
Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 2,998	\$ -	\$ -	\$ -	\$ -	\$ 2,998

*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: \$2,998 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W44

*W 5<sup>th</sup> 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  
Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 10,565	\$ -	\$ -	\$ -	\$ -	\$ 10,565

*Description: Engineer the water main loop starting on West 5<sup>th</sup> Street by the railroad tracks to West Fronton Street. Note: \$10,565 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE W45

*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  
Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 14,544	\$ -	\$ -	\$ -	\$ -	\$ 14,544

*Description: Engineer the water utility improvements on South Alice Road by Boca Chica Boulevard to Sunset Drive. Note: \$14,544 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W46

*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  
Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 15,074	\$ -	\$ -	\$ -	\$ -	\$ 15,074

*Description: Engineer the water utility improvements on Tara Place, Dix Drive and Hacienda Lane by La Feria Road. Note: \$15,074 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE W47

*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  
Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 19,335	\$ -	\$ -	\$ -	\$ -	\$ 19,335

*Description: Engineering phase of the water utility improvements on West Los Ebanos Boulevard between East Drive and Honeydale Road. Note: \$19,335 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## 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  
Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## PROJECT REFERENCE W49

*EST No. 8 – Two Million Gallon Elevated Storage Tank to Replace the Southmost Elevated Storage Tank – engineering and construction*

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

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Alfredo Resendez  
Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$3,800,000	\$ -	\$ -	\$ -	\$ -	\$3,800,000

*Description: Design, engineer and construct a two million gallon elevated storage tank to replace the elevated storage tank on Southmost Road. Note: \$3,800,000 is the FY 2020 carryover.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W50

*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  
Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$178,892	\$ -	\$ -	\$ -	\$ -	\$178,892

*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: \$178,892 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE W51

*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  
Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W52

*Extension of Water Service to the City of Brownsville and Department of Public Safety Joint Tactical Training Center*

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

Funding Source: Improvement  
Project Considered: General  
Originator: Alfredo Resendez  
Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$334,146	\$ -	\$ -	\$ -	\$ -	\$334,146

*Description: Extension of water service to the proposed City of Brownsville and Department of Public Safety Joint Tactical. Note: \$334,146 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## PROJECT REFERENCE W53

*Water Main Replacements related to City Street Paving and Drainage Improvement Projects*

Organization: 3310 Water & Wastewater Engineering

Funding Source: Improvement and  
Commercial Paper

Project Related to: Replacements/Upgrades/Rehabilitation

Project Considered: Reliability

Project Occurrence: One-time

Originator: Alfredo Resendez

Category: Resubmission

Utility Function: Water Transmission &  
Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$975,437	\$300,000	\$400,000	\$30,000	\$770,000	\$2,475,437

*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. \$216,781 of the estimated total is funded from Improvement. Note: \$758,656 is the FY 2020 carryover amount and funded from Commercial Paper.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W54

*16-inch Waterline Loop from Lago Vista to W. Alton Gloor Blvd*

Organization: 3310 Water & Wastewater Engineering

Funding Source: Impact Fees

Project Related to: Growth

Project Considered: Load/Capacity Relief

Project Occurrence: One-time

Originator: Alfredo Resendez

Category: Resubmission

Utility Function: Water Transmission &  
Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$2,421,755	\$ -	\$ -	\$ -	\$ -	\$2,421,755

*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: \$2,421,755 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE W55

*Waterline Upgrade on Southmost Blvd. from EST 4 site 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  
Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$250,000	\$ -	\$ -	\$ -	\$ -	\$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: \$250,000 is the FY 2020 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 W56

*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  
Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$521,000	\$ -	\$ -	\$ -	\$ -	\$521,000

*Description: Upgrade approximately 1,600 linear feet of 12-inch diameter waterline to 30-inch diameter waterline along W. 13<sup>th</sup> Street from Water Plant No. 1 to West Saint Charles Street to increase water distribution capacity during future peak flow demand. Note: \$521,000 is the FY 2020 carryover amount.*

*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 2021 – FY 2025

## PROJECT REFERENCE W57

*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  
Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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. Note: \$200,000 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W58

*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  
Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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. Note: \$100,000 is the FY 2020 carryover amount.*

*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 2021 – FY 2025

## PROJECT REFERENCE W59

### *Martinal Area Waterline System Loop*

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

Funding Source: Impact Fees  
Project Considered: General  
Originator: Alfredo Resendez  
Utility Function: Water Transmission & Distribution

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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. Note: \$165,000 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W60

### *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  
Utility Function: Water Transmission & Distribution

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$376,800	\$373,200	\$ -	\$ -	\$ -	\$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. Note: \$60,000 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE W61

*24-inch Waterline Loop along FM 511 (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  
Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$803,200	\$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. Note: \$120,000 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W62

*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  
Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 57,154	\$ -	\$ -	\$ -	\$ -	\$ 57,154

*Description: This line item is the budget for the carryover projects rolled over from Fiscal Year 2020. Projects include water line inspections for subdivisions throughout the City as well as other water utility projects. Note: \$57,154 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE W63

*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: Must Do  
Originator: Alfredo Resendez  
Utility Function: Water Supply

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 39,813	\$ -	\$ -	\$ -	\$ -	\$ 39,813

*Description: Replace the existing waterline with a new 36-inch diameter raw water line at Rotary Park by Palm Boulevard. Note: \$39,813 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W64

*Martinal Area Water 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  
Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## PROJECT REFERENCE W65

*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: Must Do  
Originator: Alfredo Resendez  
Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 10,600	\$ -	\$ -	\$ -	\$ -	\$ 10,600

*Description: Replace the AC waterline with a PVC waterline on Greenbriar Avenue. Note: \$10,600 is the FY 2020 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 W66

*2020 CIP Contract No. 4 - 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  
Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 22,931	\$ -	\$ -	\$ -	\$ -	\$ 22,931

*Description: Engineer and coordinate the water utility improvements associated with the City of Brownsville Street Paving Reconstruction Projects assigned to 2020 CIP Contract No. 4. Note: \$22,931 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE W67

*Emergency by-pass pumps for Water Plant I and II*

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  
Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$300,000	\$ -	\$ -	\$ -	\$ -	\$300,000

*Description: Design, procure and purchase a portable emergency high service by-pass pump for Water Plant I and Water Plant II. Note: \$300,000 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W68

*30<sup>th</sup> Street Elevated Storage Tank Water Line*

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

Funding Source: Commercial Paper  
Project Considered: Reliability  
Originator: Alfredo Resendez  
Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 2021 – FY 2025

## PROJECT REFERENCE W69

*Southmost Blvd Waterline Upgrade (E 14<sup>th</sup> St to E 25<sup>th</sup> St)*

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

Funding Source: Commercial  
Project Considered: Load/Capacity Relief  
Originator: Alfredo Resendez  
Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$ -	\$575,000	\$500,000	\$500,000	\$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 along Southmost Boulevard from E 14<sup>th</sup> Street to E 25<sup>th</sup> Street.*

*Project Cost Savings & Revenues: Since deteriorated AC lines typically require more maintenance / repair, there will be less O&M costs after replacement.*

## PROJECT REFERENCE W70

*Southmost Blvd Waterline Upgrade (E 25<sup>th</sup> St to E 30<sup>th</sup> St)*

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

Funding Source: Commercial Paper  
Project Considered: Load/Capacity Relief  
Originator: Alfredo Resendez  
Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$ 50,000	\$329,000	\$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 along Southmost Boulevard from E 25<sup>th</sup> Street to E 30<sup>th</sup> Street.*

*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 2021 – FY 2025

## PROJECT REFERENCE W71

*South Iowa Water Line Upgrade (Boca Chica to Billy Mitchell Blvd)*

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

Funding Source: Commercial Paper  
Project Considered: Reliability  
Originator: Alfredo Resendez  
Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$100,000	\$ -	\$ -	\$1,750,000	\$1,850,000

*Description: Replace the AC waterline with a PVC waterline on South Iowa Avenue from Billy Mitchell Boulevard to Boca Chica Boulevard.*

*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 W72

*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: Must Do  
Originator: Alfredo Resendez  
Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$600,000	\$500,000	\$ -	\$ -	\$15,000,000	\$16,100,000

*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. Design, engineer and construction a new raw water pump station to replace this facility. Note: \$600,000 is the FY 2020 carryover amount.*

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



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## PROJECT REFERENCE W73

*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

Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$202,270	\$963,230	\$ -	\$380,500	\$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*

## 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

Utility Function: Water Transmission & Distribution

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## 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  
Utility Function: Water Transmission & Distribution

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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*

## 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  
Utility Function: Water Transmission & Distribution

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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.*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## PROJECT REFERENCE W77

*Land Acquisition – Balance of CIP Amendment No. 1*

Organization: 7135 Geographic Information Systems  
Project Related to: General  
Project Occurrence: One-time  
Category: Amendment

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Alfredo Resendez  
Utility Function: Water Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 30,196	\$ -	\$ -	\$ -	\$ -	\$ 30,196

*Description: This item is funding for land acquisition.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE W78

*Carryover Capital Equipment*

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

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Company wide  
Utility Function: Water Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$3,526,113	\$ -	\$ -	\$ -	\$ -	\$3,526,113

*Description: This line item is the budget for the carryover capital equipment. These items include purchases of vehicles and other equipment. Note: \$3,526,113 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE WW1

*Remote Terminal Units for W/WW SCADA/Lift Station Integration*

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  
Utility Function: Wastewater Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 WW2

*Lift Station Electric Safety Upgrades – Motor Control Panels and Security Lights*

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

Funding Source: Commercial Paper  
Project Considered: Must Do  
Originator: Elias Quintero  
Utility Function: Wastewater Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$360,000	\$312,000	\$ -	\$ -	\$ -	\$672,000

*Description: Modify the motor control panels for all wastewater lift stations to provide an arc flash free access to personnel for daily tests and inspections. Purchase and install security lights for all lift stations that do not currently have lighting.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE WW3

*Lift Station Electrical Upgrades – 10 Lift Stations*

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

Funding Source: Commercial Paper  
Project Considered: Must Do  
Originator: Elias Quintero  
Utility Function: Wastewater Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$182,000	\$182,000	\$ -	\$ -	\$ -	\$364,000

*Description: Upgrade the electrical systems of 10 each wastewater lift stations by replacing the motor control systems.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE WW4

*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  
Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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. Note: \$250,000 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE WW5

*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  
Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$450,000	\$450,000	\$450,000	\$450,000	\$450,000	\$2,250,000

*Description: This project accounts for BPUB costs to implement wastewater new connections to future customers requesting service.*

*Project Cost Savings & Revenues: Work effort adds additional connections to system.*

## PROJECT REFERENCE WW6

*High Efficient Blowers – engineering (Packet 5)*

Organization: 3210 South Wastewater Treatment Plant  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Carryover

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Jose G. Ibarra Jr.  
Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 46,533	-	-	-	-	\$ 46,533

*Description: Engineer the design and specifications for the rehabilitation of the high efficient blowers.*  
*Note: \$46,533 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# **FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY**

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## **PROJECT REFERENCE WW7**

*Influent Channel – engineering (Packet 5)*

Organization: 3210 South Wastewater Treatment Plant	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: Jose G. Ibarra Jr.
Category: Carryover	Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$134,545	-	-	-	-	\$134,545

*Description: Engineer the design and specifications for the rehabilitation of the influent channel. Note: \$134,545 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## **PROJECT REFERENCE WW8**

*Digester Tank Replacement – engineering (Packet 5)*

Organization: 3210 South Wastewater Treatment Plant	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: Jose G. Ibarra Jr.
Category: Carryover	Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 44,333	-	-	-	-	\$ 44,333

*Description: Engineer the design and specifications for the replacement of the digester tank. Note: \$44,333 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE WW9

*Aeration Basin No. 3 – engineering (Packet 5)*

Organization: 3210 South Wastewater Treatment Plant      Funding Source: Improvement  
Project Related to: Replacements/Upgrades/Rehabilitation      Project Considered: Reliability  
Project Occurrence: One-time      Originator: Jose G. Ibarra Jr.  
Category: Carryover      Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 31,693	-	-	-	-	\$ 31,693

*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: \$31,693 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE WW10

*Belt Filter Press – engineering (Packet 4) and construction*

Organization: 3210 South Wastewater Treatment Plant      Funding Source: Improvement and Commercial Paper  
Project Related to: Replacements/Upgrades/Rehabilitation      Project Considered: Reliability  
Project Occurrence: One-time      Originator: Jose G. Ibarra Jr.  
Category: Carryover      Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 49,216	-	-	\$1,057,800	\$1,057,800	\$2,164,816

*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. \$2,115,600 will be funded from Commercial Paper. Note: \$49,216 is the FY 2020 carryover amount and is funded from Improvement.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE WW11

*Non-Potable Water Pump and Motor No. 1 – engineering (Packet 4)*

Organization: 3210 South Wastewater Treatment Plant	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: Jose G. Ibarra Jr.
Category: Carryover	Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$51,213	-	-	-	-	\$51,213

*Description: Engineer the design and specifications for the rehabilitation and upgrade of the non-potable water pump and motor no. 1. Note: \$51,213 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE WW12

*Facility Chain Link Fence Replacement – 1,600 Linear Feet Along North and East Perimeter*

Organization: 3210 South Wastewater Treatment Plant	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: Jose G. Ibarra Jr.
Category: Resubmission	Utility Function: WW Admin

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$59,395	-	-	-	-	\$59,395

*Description: Replace approximately 1,600 linear feet of fencing along the north and east perimeter.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## PROJECT REFERENCE WW13

*Chlorine Contact Chamber Sluice Gate Replacement Project engineering and 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: Resubmission	Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$124,000	\$252,000	\$ -	\$ -	\$ -	\$376,000

*Description: Replace three 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. Note: \$6,315 is the FY 2020 carryover amount.*

*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 WW14

*Non-Potable Water System Upgrade (Packet 4) – engineering and 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: Carryover/Resubmission	Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 46,507	\$102,358	\$224,910	\$ -	\$ -	\$373,775

*Description: Replace and upgrade the outdated non-potable pump and motor no. 1. Existing pump and motor have exceeded its life expectancy. Project will consist of rehabbing the existing hydropneumatic tank and air compressor system, replacing the non-potable pumps and piping and upgrading the non-potable SCADA control system. Note: \$46,507 is the FY 2020 carryover amount.*

*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 2021 – FY 2025

## PROJECT REFERENCE WW15

*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: Carryover	Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$155,436	\$ -	\$ -	\$ -	\$ -	\$155,436

*Description: Replace and upgrade the outdated effluent river pump and motor no. 3. Existing pump and motor have exceeded its life expectancy. Note: \$155,436 is the FY 2020 carryover amount.*

*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 WW16

*4 Each Blower Replacements*

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	Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$266,550	\$ -	\$ -	\$ -	\$ -	\$266,550

*Description: Purchase and install four each blowers to replace existing units. Note: \$266,550 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE WW17

*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: Resubmission      Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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*

## PROJECT REFERENCE WW18

*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: Resubmission      Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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.*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE WW19

### *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      Utility Function: Wastewater Treatment

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$100,000	\$312,050	\$ -	\$ -	\$ -	\$412,050

*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 2020 carryover amount.*

*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.*

## 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: Resubmission      Utility Function: Wastewater Treatment

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 2020 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.*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## PROJECT REFERENCE WW21

*Dissolved Oxygen Probes Installation and SCADA Monitoring*

Organization: 3210 South Wastewater Treatment Plant

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: New

Funding Source: Commercial Paper

Project Considered: Reliability

Originator: Jose G. Ibarra Jr.

Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$36,400	\$600,000	\$ -	\$ -	\$ -	\$636,400

*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 WW22

*Plant Drain Pumps No. 1, 2 and 3*

Organization: 3210 South Wastewater Treatment Plant

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: New

Funding Source: Commercial Paper

Project Considered: Reliability

Originator: Jose G. Ibarra Jr.

Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 67,023	\$ -	\$ -	\$ -	\$ -	\$ 67,023

*Description: The existing plant drain pumps have exceeded their life expectancy. Purchase and install new plant drain pumps to replace the existing units.*

*Project Cost Savings & Revenues: The new plant drain pumps 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 2021 – FY 2025

## PROJECT REFERENCE WW23

### *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      Utility Function: Wastewater Treatment

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$ 36,800	\$312,480	\$ -	\$ -	\$349,280

*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.*

## PROJECT REFERENCE WW24

### *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      Utility Function: Wastewater Treatment

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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. Note: \$97,782 is the FY 2020 carryover amount.*

*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 2021 – FY 2025

## PROJECT REFERENCE WW25

*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      Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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. Note: \$313,650 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE WW26

*Turbo Blower Upgrades – engineering (Packet 3) and construction*

Organization: 3220 Robindale Wastewater Treatment Plant      Funding Source: Improvement and Commercial Paper  
Project Related to: Replacements/Upgrades/Rehabilitation      Project Considered: Must Do  
Project Occurrence: One-time      Originator: Jose G. Ibarra Jr.  
Category: Carryover      Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$3,048,516	\$ -	\$ -	\$ -	\$ -	\$3,048,516

*Description: Engineer the replacement and upgrade of the aerobic digester blowers. \$2,320,000 is funded from Commercial Paper. Note: \$728,516 is the FY 2020 carryover amount from Improvement.*

*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.*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE WW27

*Non-Potable Water System Upgrade (Packet 4) – engineering and construction*

Organization: 3220 Robindale Wastewater Treatment Plant      Funding Source: Improvement and Commercial Paper  
Project Related to: Replacements/Upgrades/Rehabilitation      Project Considered: Must Do  
Project Occurrence: One-time      Originator: Jose G. Ibarra Jr.  
Category: Carryover      Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 57,177	\$212,814	\$ -	\$ -	\$ -	\$269,991

*Description: The existing non-potable water system is over 25 years old. Project will consist of rehabilitating existing hydropneumatic tank and air compressor system and replacing the non-potable pumps and distribution lines throughout the plant. \$22,814 will be funded from Commercial Paper. Note: \$57,177 is the FY 2020 carryover amount from Improvement.*

*Project Cost Savings & Revenues: Proper operation of non-potable water system will significantly cut down the use and increase savings in water consumption cost.*

## PROJECT REFERENCE WW28

*Three Each New 25-yard Bio-solids Metal Roll-off Bins*

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: New      Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 27,267	\$ -	\$ -	\$ -	\$ -	\$ 27,267

*Description: Purchase three each new 28-yard bio-solids metal roll-off bins to replace existing units.*

*Project Cost Savings & Revenues: Repair costs will be minimized.*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE WW29

*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: Resubmission      Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 6,112	-	-	-	-	\$ 6,112

*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: \$6,112 is the FY 2020 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 WW30

*Four Torque Valve Actuators for the Train Inlet Isolation Valves – engineering and construction*

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: Reallocation      Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 44,637	\$484,424	\$ -	\$ -	\$ -	\$529,061

*Description: Purchase and install four new torque valve actuators for the main inlet isolation valves (for train no. 1 through 4) to replace the existing manual inlet isolation valves. The project consists of retrofitting four electrical actuating valves and flow transmitter to the existing 36-inch gate valves located between the biological trains. Note: \$44,637 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: Valve actuators replacement will result in timesaving, allowing staff to increase productivity.*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## 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      Utility Function: Wastewater Treatment

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$95,247	\$403,200	\$ -	\$ -	\$ -	\$498,447

*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. Note: \$95,247 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: Reduce man hours used for cleaning over spills at the existing station.*

## PROJECT REFERENCE WW32

### *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: Resubmission      Utility Function: Wastewater Treatment

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 17,409	\$170,446	\$ -	\$ -	\$ -	\$187,855

*Description: The existing blowers and motors have exceeded their life expectancy. Replace existing blower and motor no. 6 and 7. Note: \$17,409 is the FY 2020 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 2021 – FY 2025

## PROJECT REFERENCE WW33

### *Three Sluice Gate Valve Replacement Project*

Organization: 3220 Robindale Wastewater Treatment Plant  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Reallocation

Funding Source: Commercial Paper  
Project Considered: Reliability  
Originator: Jose G. Ibarra Jr.  
Utility Function: Wastewater Treatment

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 9,372	\$ -	\$ -	\$ -	\$ -	\$ 9,372

*Description: Purchase three each 316 stainless steel sluice gate valve to replace the existing units at the diversion box located at the mix liquor screw pump station. Note: \$9,372 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE WW34

### *Belt Filter Press and Solids Handling Expansion*

Organization: 3220 Robindale Wastewater Treatment Plant  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Resubmission

Funding Source: Commercial Paper  
Project Considered: Reliability  
Originator: Jose G. Ibarra Jr.  
Utility Function: Wastewater Treatment

#### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$ -	\$325,000	\$1,446,480	\$1,446,480	\$3,217,960

*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*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE WW35

*Rehabilitation of Two Gravity Thickeners*

Organization: 3220 Robindale Wastewater Treatment Plant  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: New

Funding Source: Commercial Paper  
Project Considered: Reliability  
Originator: Jose G. Ibarra Jr.  
Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$ -	\$105,720	\$ -	\$2,167,260	\$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 WW36

*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: Hector Herrera  
Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 90,067	\$ -	\$ -	\$ -	\$ -	\$ 90,067

*Description: Replace existing pumping and treatment apparatus equipment, as needed.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE WW37

### *Lift Station General Pump Replacements*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Improvement

Project Considered: Must Do

Originator: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 WW38

### *Lift Station Systemwide Fence Replacements*

Organization: 3230 Wastewater Lift Stations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Improvement

Project Considered: Must Do

Originator: Hector Herrera

Utility Function: Wastewater Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$144,169	\$ -	\$ -	\$ -	\$ -	\$144,169

*Description: Purchase and install new fencing to replace existing fencing at lift stations throughout the City.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## PROJECT REFERENCE WW39

*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 and Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$335,669	\$500,000	\$ -	\$ -	\$ -	\$835,669

*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: \$335,669 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.*

## PROJECT REFERENCE WW40

*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 and Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 35,669	\$600,000	\$ -	\$ -	\$ -	\$635,669

*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: \$35,669 is the FY 2020 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 2021 – FY 2025

## PROJECT REFERENCE WW41

*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 and Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 35,669	\$500,000	\$ -	\$ -	\$ -	\$535,669

*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: \$35,669 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.*

## PROJECT REFERENCE WW42

*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: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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.*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE WW43

*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: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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.*

## PROJECT REFERENCE WW44

*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 and Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$1,326,337	\$ -	\$ -	\$ -	\$ -	\$1,326,337

*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: \$26,337 is the FY 2020 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.*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## PROJECT REFERENCE WW45

*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 and Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$13,445	\$389,440	\$260,560	\$ -	\$ -	\$663,445

*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: \$13,445 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.*

## PROJECT REFERENCE WW46

*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: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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.*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE WW47

*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: Carryover and Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 35,669	\$400,000	\$ -	\$ -	\$ -	\$435,669

*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: \$35,669 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.*

## PROJECT REFERENCE WW48

*Lift Station No. 41 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: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$750,000	\$ -	\$ -	\$ -	\$ -	\$750,000

*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: The project's completion will yield O&M cost savings.*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE WW49

*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 and Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 33,556	\$400,000	\$ -	\$ -	\$ -	\$433,556

*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: \$33,556 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.*

## PROJECT REFERENCE WW50

*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 and Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 19,008	\$ -	\$500,000	\$ -	\$ -	\$519,008

*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 2020 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 2021 – FY 2025

## PROJECT REFERENCE WW51

*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 and Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 46,643	\$450,000	\$ -	\$ -	\$ -	\$496,643

*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: \$46,643 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.*

## PROJECT REFERENCE WW52

*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 and Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 36,070	\$258,000	\$ -	\$ -	\$ -	\$294,070

*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: \$36,070 is the FY 2020 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 2021 – FY 2025

## PROJECT REFERENCE WW53

*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: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 WW54

*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 and Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 35,669	\$400,000	\$ -	\$ -	\$ -	\$435,669

*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: \$35,669 is the FY 2020 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 2021 – FY 2025

## PROJECT REFERENCE WW55

*Lift Station No. 63 Rehabilitation – engineering (Packet 2) 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: Reliability

Originator: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$1,468,955	\$926,800	\$ -	\$ -	\$ -	\$2,395,755

*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: \$78,755 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.*

## PROJECT REFERENCE WW56

*Lift Station No. 65A 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: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 62,000	\$ -	\$ -	\$ -	\$ -	\$ 62,000

*Description: Replace the existing pump with a new submersible wastewater non-clog pump. Note: \$62,000 is the FY 2020 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 2021 – FY 2025

## PROJECT REFERENCE WW57

*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: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 82,000	\$ -	\$ -	\$ -	\$ -	\$ 82,000

*Description: Replace the existing pump with a new submersible wastewater non-clog pump. Note: \$82,000 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.*

## PROJECT REFERENCE WW58

*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 and Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$39,553	\$350,000	\$ -	\$ -	\$ -	\$389,553

*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: \$39,553 is the FY 2020 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 2021 – FY 2025

## PROJECT REFERENCE WW59

*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 and Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 6,939	\$ 75,000	\$ -	\$ -	\$600,000	\$681,939

*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 2020 carryover amount.*

*Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.*

## PROJECT REFERENCE WW60

*Lift Station No. 69 Rehabilitation – engineering 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: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 18,347	\$75,000	\$ -	\$ -	\$600,000	\$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 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE WW61

*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 and Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 31,620	\$ -	\$675,000	\$ -	\$ -	\$706,620

*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: \$31,620 is the FY 2020 carryover amount*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE WW62

*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: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 2021 – FY 2025

## PROJECT REFERENCE WW63

*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 and Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 37,863	\$ -	\$275,000	\$ -	\$ -	\$312,863

*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: \$37,863 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.*

## PROJECT REFERENCE WW64

*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: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 2021 – FY 2025

## PROJECT REFERENCE WW65

*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: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 WW66

*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 and Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 35,669	\$ -	\$400,000	\$ -	\$ -	\$435,669

*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: \$35,669 is the FY 2020 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 2021 – FY 2025

## PROJECT REFERENCE WW67

*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: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$35,669	\$545,000	\$ -	\$ -	\$ -	\$580,669

*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: \$35,669 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.*

## PROJECT REFERENCE WW68

*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: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 35,669	\$ -	\$325,000	\$ -	\$ -	\$360,669

*Description: Decommission the lift station through installation of required sanitary sewer main and complete removal, demolition, and proper abandonment of the lift station. Note: \$35,669 is the FY 2020 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 2021 – FY 2025

## PROJECT REFERENCE WW69

*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 and Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 35,669	\$400,000	\$ -	\$ -	\$ -	\$435,669

*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: \$35,669 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.*

## PROJECT REFERENCE WW70

*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 and Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 44,648	\$300,000	\$ -	\$ -	\$ -	\$344,648

*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: \$44,648 is the FY 2020 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 2021 – FY 2025

## PROJECT REFERENCE WW71

*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: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 WW72

*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: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 2021 – FY 2025

## PROJECT REFERENCE WW73

*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 and Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$338,721	\$ -	\$ -	\$ -	\$ -	\$338,721

*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: \$38,721 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.*

## PROJECT REFERENCE WW74

*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: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$458,700	\$ -	\$ -	\$ -	\$ -	\$458,700

*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: \$458,700 is the FY 2020 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 2021 – FY 2025

## PROJECT REFERENCE WW75

*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: Hector Herrera  
Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$ -	\$ -	\$ -	\$300,000	\$300,000

*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 WW76

*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: Hector Herrera  
Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$635,669	\$ -	\$ -	\$ -	\$ -	\$635,669

*Description: Upgrade Lift Station No. 140's capacity to accommodate projected wastewater demand by replacing the wet well, mechanical components and electrical components. Note: \$35,669 is the FY 2020 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 2021 – FY 2025

## PROJECT REFERENCE WW77

*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: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 WW78

*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: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$ -	\$675,000	\$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 2021 – FY 2025

## PROJECT REFERENCE WW79

*South to North Wastewater Reroutes – Lift Station No. 20, 22 and 27 Valve Reconfigurations*

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: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 WW80

*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: Hector Herrera

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 2021 – FY 2025

## PROJECT REFERENCE WW81

*Estimated miscellaneous carryover project amount*

Organization: 3310 Water & Wastewater Engineering	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: Alfredo Resendez
Category: Carryover	Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 27,787	\$ -	\$ -	\$ -	\$ -	\$ 27,787

*Description: Carryover projects include wastewater line inspections for subdivisions throughout the City and other wastewater utility projects. Note: \$27,787 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE WW82

*South Colonias Project Design*

Organization: 3310 Water & Wastewater Engineering	Funding Source: Improvement and Impact Fees
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: Alfredo Resendez
Category: Carryover	Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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. \$88,500 will be funded from Impact Fees. Note: \$88,500 is the FY 2020 carryover amount from Improvement*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE WW83

### *North Colonias Project Design*

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

Funding Source: Improvement and Impact Fees  
Project Considered: Must Do  
Originator: Alfredo Resendez  
Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 48,818	\$61,500	\$ -	\$ -	\$ -	\$110,318

*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. \$61,500 will be funded from Impact Fees. Note: \$48,818 is the FY 2020 carryover amount from Improvement.*

*Project Cost Savings & Revenues: N/A*

## 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  
Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 1,752	\$ -	\$ -	\$ -	\$ -	\$ 1,752

*Description: Inspect wastewater line improvements for the Brownsville Airport Terminal Project. Note: \$1,752 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## 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  
Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 57,793	\$ -	\$ -	\$ -	\$ -	\$ 57,793

*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: \$57,793 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A.*

## 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  
Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 46,649	\$ -	\$ -	\$ -	\$ -	\$ 46,649

*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: \$46,649 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A.*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## 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  
Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A.*

## PROJECT REFERENCE WW88

*Sewer Replacements related to the City Street Paving and Drainage Improvement Projects*

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

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Alfredo Resendez  
Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$962,310	\$971,400	\$800,000	\$ -	\$ -	\$2,733,710

*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: \$626,558 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## 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	Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 8,926	\$ -	\$ -	\$ -	\$ -	\$ 8,926

*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: \$8,926 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE WW90

*2020 CIP Contract No. 4 - Engineering*

Organization: 3310 Water & Wastewater Engineering	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: Alfredo Resendez
Category: Reallocation	Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 23,172	\$ -	\$ -	\$ -	\$ -	\$ 23,172

*Description: Engineer and coordinate the wastewater utility improvements associated with the City of Brownsville Street Paving Reconstruction Projects assigned to 2020 CIP Contract No. 4. Note: \$23,172 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE WW91

*North Regional Lift Stations and Force Main System - Phase 1*

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  
Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$2,500,000	\$ -	\$ -	\$ -	\$ -	\$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 and engineer the improvements needed to provide load/capacity relief for the areas serving the northwest side of the City. Note: \$1,500,000 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE WW92

*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  
Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ 69,339	\$ -	\$ -	\$ -	\$ -	\$ 69,339

*Description: This line item is the budget for the carryover projects rolled over from Fiscal Year 2020. Projects include inspections of subdivisions throughout the City and other wastewater line improvements. Note: \$69,339 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE WW93

*North Regional Lift Stations and Force Main System – Phase 2*

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

Funding Source: Commercial Paper  
Project Considered: Load/Capacity Relief  
Originator: Alfredo Resendez  
Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$ -	\$ -	\$ -	\$2,450,000	\$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*

## PROJECT REFERENCE WW94

*Old Port Isabel Road 20" Force Main Rehabilitation Project*

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  
Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$ -	\$131,520	\$860,480	\$1,458,000	\$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.*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER  
FY 2021 – FY 2025

## PROJECT REFERENCE WW95

*FM 802 Gravity Sewer Interceptor*

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

Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	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.*

## PROJECT REFERENCE WW96

*Carryover and Estimated Capital Equipment*

Organization: 9110 Company-wide Expenses

Project Related to: General

Project Occurrence: One-time

Category: Carryover

Funding Source: Improvement

Project Considered: Must Do

Originator: Company Wide

Utility Function: WW Administration

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$504,736	\$ -	\$ -	\$ -	\$ -	\$504,736

*Description: This line item is the budget for the carryover capital equipment. These items include purchases of vehicles and other equipment. Note: \$504,736 is the FY 2020 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## 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

Project Considered: Must Do

Originator: Marie Leal

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$150,000	\$ -	\$ -	\$ -	\$ -	\$150,000

*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 2020 carryover amount, of which \$5,132,435 is Commercial Paper and \$1,480,090 is Improvement.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE G24

*New Annex Administration Building*

Organization: 1110 General Manager

Project Related to: Growth

Project Occurrence: One-time

Category: Carryover

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Marie Leal

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$15,088,194	\$ -	\$ -	\$ -	\$ -	\$15,088,194

*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 2020 carryover amount from Commercial Paper.*

*Project Cost Savings & Revenues: N/A*



# **FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY**

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## **PROJECT REFERENCE G25**

*New Annex Administration Building furniture, fixtures and other equipment*

Organization: 1110 General Manager

Project Related to: Growth

Project Occurrence: One-time

Category: Carryover

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Marie Leal

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$5,500,000	\$ -	\$ -	\$2,600,000	\$ -	\$5,500,000

*Description: Remodel the existing Administration Building. Purchase and install furniture, fixtures and other equipment for the Administration Building.*

*Project Cost Savings & Revenues: N/A*

## **PROJECT REFERENCE G26**

*Administration Building Remodel*

Organization: 1110 General Manager

Project Related to: Growth

Project Occurrence: One-time

Category: Carryover

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Marie Leal

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$ -	\$ -	\$2,100,000	\$ -	\$2,100,000

*Description: Remodel the existing Administration Building. Purchase and install furniture, fixtures and other equipment for the Administration Building.*

*Project Cost Savings & Revenues: N/A*



# **FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY**

ELECTRIC, WATER AND WASTEWATER

FY 2021 – FY 2025

## **PROJECT REFERENCE G25**

*Administration Building remodel furniture, fixtures and other equipment*

Organization: 1110 General Manager

Project Related to: Growth

Project Occurrence: One-time

Category: Carryover

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Marie Leal

### *Estimated Costs by Fiscal Year*

FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
\$ -	\$ -	\$ -	\$500,000	\$ -	\$500,000

*Description: Remodel the existing Administration Building. Purchase and install furniture, fixtures and other equipment for the Administration Building.*

*Project Cost Savings & Revenues: N/A*

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**CAPITAL BUDGET SUMMARY**  
**Improvement Fund Projects (Fund 400)**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2021	FISCAL YEARS 2022-2024	FIVE-YEAR TOTAL
<b>ELECTRIC PROJECTS</b>				
<b>DEPARTMENT 2120 - SUBSTATIONS AND RELAYING</b>				
E 1	Purchase and installation of a 69 KV breaker for the Union Carbide Substation	47,429	-	47,429
E 2	Airport Substation, 69 KV to 138 KV Upgrades and Power Transformer Purchase	4,545,422	454,578	5,000,000
E 3	Battery Banks Replacement at FM 802, Midtown, and Titan Substations	-	70,000	70,000
E 4	Replace Legacy Overcurrent and Transformer Differential Protection Relays	-	300,000	300,000
E 5	Replace 1200 Amp Disconnect Switches at Power Plant and Water Port	50,000	40,000	90,000
E 6	Replace 138 KV breakers at Power Plant, South Plant and Midtown Substation	150,000	300,000	450,000
E 7	Replace Circuit Switches at FM 802 and 6th Street Substations	-	120,000	120,000
<b>Total for Dept. 2120</b>		<b>4,792,851</b>	<b>1,284,578</b>	<b>6,077,429</b>
<b>DEPARTMENT 2210 - SCADA &amp; ELECTRICAL SUPPORT SERVICES</b>				
E 8	SCADA (Substations Communications)	460,575	-	460,575
E 9	Substation and Control Centers Video Camera Upgrade	100,000	250,000	350,000
<b>Total for Dept. 2210</b>		<b>560,575</b>	<b>250,000</b>	<b>810,575</b>
<b>DEPARTMENT 2410 - ELECTRIC ENGINEERING</b>				
E 11	Estimated miscellaneous carryover project amount - Electric Distribution	748,471	-	748,471
E 12	Estimated miscellaneous carryover project amount - Electric Transmission	12,092	-	12,092
E 13	New Connections	1,331,095	3,321,500	4,652,595
E 14	New Subdivisions	1,256,941	2,436,800	3,693,741
E 15	Security Light Installation	260,055	519,600	779,655
E 16	Street Light Installations	182,983	436,800	619,783
E 17	Trouble Calls & Service Increases	1,010,649	4,890,061	5,900,710
E 18	Feeder Utility Pole Replacement Project off of Boca Chica Blvd and other locations in the City of Brownsville	49,909	-	49,909
E 19	Overhead to underground conversion along Les Mauldin Road from South Iowa Rd to Amelia Earhart Dr	594,780	-	594,780
E 20	Billy Mitchell Blvd Street Lights Upgrade	650,000	-	650,000
E 21	Street lights on Teofilo Crixell Street bypass to S Minnesota Avenue	28,669	-	28,669

Continued



**CAPITAL BUDGET SUMMARY**  
**Improvement Fund Projects (Fund 400) – Continued**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2021	FISCAL YEARS 2022-2024	FIVE-YEAR TOTAL
E 22	Underground Feeder Circuit from Airport Substation to Trico	254,929	-	254,929
E 23	Rio Grande Distribution Substation Upgrade, 69 KV to 138 KV	603,509	-	603,509
E 24	Rio Grande Substation Transmission Pole	14,050	-	14,050
E 26	Power Plant Substation Disconnect Switches Replacement	58,593	-	58,593
E 27	Loma Alta Switching and Distribution Substation Upgrades to Accommodate the New Sharyland Utilities Switching Station	310,245	-	310,245
E 28	Relay and other upgrades at Price Rd, Waterport and Loma Alta Substations to accommodate the Sharyland Utilities Switching Station	144,329	-	144,329
E 29	SRWA Water Wells Generators Project	333,091	-	333,091
E 30	State Highway 48 Pole Relocation Project	39,704	-	39,704
E 31	Port of Brownsville Cross Arms Replacement	70,718	-	70,718
E 32	Six New Rio Grande Substation Distribution Feeders	195,570	-	195,570
E 33	Alternate Service Feeder to Annex	194,535	-	194,535
E 34	Feeder Extension and Tie along Coffee Road	69,344	-	69,344
E 35	Boca Chica Fiber Installation (Phase 1) between US Hwy 77/83 and Padre Island Hwy	36,656	-	36,656
E 36	Battlefield Trail Fiber Installation (Phase 2) - Hike and Bike Trail along Paredes Line Rd between Boca Chica Blvd and Morrison Rd	24,601	-	24,601
E 37	Boca Chica Fiber Installation (Phase 3) between Padre Island Hwy and FM 511	106,382	-	106,382
E 38	Fiber optic from Southmost Library to new Airport terminal	68,504	-	68,504
E 39	Distribution Management System (DMS) Implementation Project	265,437	-	265,437
E 40	Extension of Electric Service to the City of Brownsville and Department of Public Safety Joint Tactical Training Center	75,266	-	75,266
E 41	6 each Automatic Transfer Switches	451,116	-	451,116
E 42	28MVA 138/12.47kV Power Transformer - spare for Military Highway Substation	586,317	-	586,317
E 43	Purchase and Install a Second Power Transformer at the Palo Alto Substation	686,317	1,000,000	1,686,317
E 44	Capacitor Bank and Controller Installations	-	250,000	250,000
E 45	Loma Alta and Union Carbide 69 kV to 138 kV Conversion	200,000	7,425,000	7,625,000
E 46	South Plant Substation Feeders to serve developments	293,200	293,200	586,400

continued



**CAPITAL BUDGET SUMMARY**  
**Improvement Fund Projects (Fund 400) – Continued**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2021	FISCAL YEARS 2022-2024	FIVE-YEAR TOTAL
E 47	Purchase and Install a Second Power Transformer at the Water Port Substation	200,000	1,685,000	1,885,000
E 48	Install Electrical Conductor and Conduit at Isla de Palmas Subdivision Section I, II, III, IV and V	168,000	-	168,000
E 49	Install Electrical Conductor and Conduit at Timbers Subdivision Section I, II and III	89,600	-	89,600
E 50	Recloser Controls on Substation Feeders	-	250,000	250,000
E 51	Dynamic Disturbance Recorder Installation at Price Road Substation	58,466	-	58,466
E 52	Distribution Feeder Protection (Case Study)	-	125,000	125,000
E 53	Overhead Insulated Wire Installation	55,000	55,000	110,000
<b>Total for Dept. 2410</b>		<b>11,779,123</b>	<b>22,687,961</b>	<b>34,467,084</b>
<b>DEPARTMENT 7135 - GEOGRAPHIC INFORMATION SYSTEMS</b>				
E 56	Schneider ArcFM Fiber Manager Integration with GIS	150,000	-	150,000
E 57	Improvements submitted by staff for Electric Utility	-	150,000	150,000
<b>Total for Dept. 7135</b>		<b>150,000</b>	<b>150,000</b>	<b>300,000</b>
<b>ELECTRIC TRANS. &amp; DIST. PROJECT TOTAL:</b>		<b>17,282,549</b>	<b>24,372,539</b>	<b>41,655,088</b>
<b>DEPARTMENT 2220 - POWER PRODUCTION</b>				
E 58	Hidalgo Capital Improvements	924,841	600,000	1,524,841
E 59	Oklaunion Capital Improvements	-	-	-
E 60	Unit 10 Chiller Cooling Tower Replacement	644,655	-	644,655
E 61	HRSO Economizer Equipment Replacement for Unit 6	-	850,000	850,000
E 62	Unit 6/9 Protective Relay System Upgrade	475,000	-	475,000
E 63	Control System Integration of Unit 9 Fuel Gas Compressors	442,645	-	442,645
E 64	Unit 6 Improvement Project - New Steam Turbine Generator - engineering	-	200,000	200,000
E 65	Unit 10 Ovation Control Replacement	-	684,803	684,803
E 66	Gas Compressor 9 A, B PLC Replacement	421,644	-	421,644
<b>Total for Dept. 2220</b>		<b>2,908,785</b>	<b>2,334,803</b>	<b>5,243,588</b>
<b>DEPARTMENT 4310 - OPERATIONAL SUPPORT SERVICES</b>				
E 67	Gas pipeline right-of-way project completion - amendment Board-approved on 01/14/2019	260,174	-	260,174
<b>Total for Dept. 4310</b>		<b>260,174</b>	<b>-</b>	<b>260,174</b>
<b>ELECTRIC GENERATION PROJECT TOTAL:</b>		<b>\$ 3,168,959</b>	<b>\$ 2,334,803</b>	<b>\$ 5,503,762</b>
<b>ESTIMATED PROJECT TOTAL - ELECTRIC</b>		<b>\$ 20,451,508</b>	<b>\$ 26,707,342</b>	<b>\$ 47,158,850</b>

continued



**CAPITAL BUDGET SUMMARY**  
**Improvement Fund Projects (Fund 400) – Continued**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2021	FISCAL YEARS 2022-2024	FIVE-YEAR TOTAL
<b>GENERAL &amp; ADMINISTRATIVE PROJECTS</b>				
<b>DEPARTMENT 1110 - GENERAL MANAGER</b>				
G 1	Architect/engineering design services for Administration Building Annex	462,843	-	462,843
G 2	Architect/engineering design services for FM 511 Facilities Relocation Project	93,819	-	93,819
G 3	Administration Building Remodeling - design	134,605	-	134,605
G 4	Restrooms Renovation Project	297,945	-	297,945
G 5	Traffic Signal on FM 511 and Old Alice Rd	320,171	-	320,171
<b>Total for Dept. 1110</b>		<b>1,309,383</b>	<b>-</b>	<b>1,309,383</b>
<b>DEPARTMENT 1165 - RECORDS MANAGEMENT</b>				
G 6	Implementation of an Enterprise Content Management (ECM) System	333,211	-	333,211
<b>Total for Dept. 1165</b>		<b>333,211</b>	<b>-</b>	<b>333,211</b>
<b>DEPARTMENT 1422 - ANALYTICAL LAB</b>				
G 7	Laboratory Expansion	-	1,500,000	1,500,000
<b>Total for Dept. 1422</b>		<b>-</b>	<b>1,500,000</b>	<b>1,500,000</b>
<b>DEPARTMENT 6135 - CIS SUPPORT</b>				
C 1	Cayenta Utilities (UMS) Upgrade	70,276	-	70,276
<b>Total for Dept. 6135</b>		<b>70,276</b>	<b>-</b>	<b>70,276</b>
<b>DEPARTMENT 7130 - INFORMATION TECHNOLOGY</b>				
G 8	Tower Redundant Network Replacement at SCADA and Power Plant Facilities	22,696	-	22,696
G 9	Server Storage	6,352	-	6,352
G 10	Dell FX chassis and storage - Power Plant	80,000	-	80,000
G 11	Offsite Hardware - Drive Expansion	100,000	-	100,000
G 12	Power Plant IT Battery Bank Backup Power	50,000	-	50,000
G 13	Cognos Software	32,000	-	32,000
G 14	Dell FX Chassis and Storage - Administration Building	80,000	-	80,000
G 15	UPS - IT Equipment at New Building FM 511	45,000	-	45,000
G 16	FM 511 Tower	150,000	-	150,000
G 17	APC / UPS - DataCenter Hardware replacement	50,000	-	50,000
G 18	Cybersecurity appliances	-	140,000	140,000
G 19	E911 and Cisco Switch Upgrade	-	226,000	226,000
G 20	Information technology for Annex Building	120,000	-	120,000
G 21	Cisco Core Networking Equipment - Annex Building	200,000	-	200,000
<b>Total for Dept. 7130</b>		<b>936,048</b>	<b>366,000</b>	<b>1,302,048</b>

continued



**CAPITAL BUDGET SUMMARY**  
**Improvement Fund Projects (Fund 400) – Continued**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2021	FISCAL YEARS 2022-2024	FIVE-YEAR TOTAL
<b>DEPARTMENT 7150 - FLEET MANAGEMENT</b>				
G 22	GPS Tracking System Project	75,000	-	75,000
	<b>Total for Dept. 7150</b>	<b>75,000</b>	<b>-</b>	<b>75,000</b>
<b>ESTIMATED TOTAL BY CATEGORY:</b>				
	GENERAL & ADMINISTRATIVE	2,653,642	1,866,000	4,519,642
	ADMINISTRATIVE - CUSTOMER SERVICE	70,276	-	70,276
	<b>ESTIMATED PROJECT TOTAL - GEN. &amp; ADMIN.</b>	<b>2,723,918</b>	<b>1,866,000</b>	<b>4,589,918</b>
<b>ESTIMATED OVERALL PROJECT TOTAL - ELECTRIC</b>		<b>\$ 23,175,426</b>	<b>\$ 28,573,342</b>	<b>\$ 51,748,768</b>
E 68	<b>ADD CARRYOVER CAPITAL EQUIPMENT</b>	<b>1,400,629</b>	<b>-</b>	<b>1,400,629</b>
E 68	<b>ADD ESTIMATED CAPITAL EQUIPMENT</b>	<b>-</b>	<b>6,000,000</b>	<b>6,000,000</b>
	<b>ESTIMATED OVERALL TOTAL - ELECTRIC</b>	<b>\$ 24,576,055</b>	<b>\$ 34,573,342</b>	<b>\$ 59,149,397</b>
<b>WATER PROJECTS</b>				
<b>DEPARTMENT 2210 - SCADA &amp; ELECTRICAL SUPPORT SERVICES</b>				
W 1	SRWA Wells Fiber Optic Communications	244,642	260,358	505,000
	<b>Total for Dept. 2210</b>	<b>244,642</b>	<b>260,358</b>	<b>505,000</b>
<b>DEPARTMENT 3120 - WATER PLANT I</b>				
W 2	Raw Water Pump Station - engineering (Packet 4)	58,962	750,000	808,962
W 3	High Service Pump Station No. 1 - engineering (Packet 4)	82,587	-	82,587
W 4	High Service Pump Station No. 2 - engineering (Packet 4)	45,351	-	45,351
W 5	Access Control and Facility Cameras	58,500	-	58,500
	<b>Total for Dept. 3120</b>	<b>245,400</b>	<b>750,000</b>	<b>995,400</b>
<b>DEPARTMENT 3130 - WATER PLANT II</b>				
W 21	Installation of New Caustic Soda Feed System	12,858	-	12,858
W 22	High Service Pump Station (5 vertical turbine pumps) - engineering (Packet 4)	53,419	-	53,419
W 23	Raw Water Pump Station - engineering (Packet 4)	43,088	-	43,088
	<b>Total for Dept. 3130</b>	<b>109,365</b>	<b>-</b>	<b>109,365</b>
<b>DEPARTMENT 3150 - W/WW OPERATIONS &amp; CONSTRUCTION</b>				
W 37	Water Distribution System Valve Replacement Project	16,655	-	16,655
W 38	Water Valve Replacement Phase 3 Project - engineering	12,076	-	12,076
	<b>Total for Dept. 3150</b>	<b>28,731</b>	<b>-</b>	<b>28,731</b>
<b>DEPARTMENT 3310 - WATER &amp; WASTEWATER ENGINEERING</b>				
W 42	Estimated miscellaneous carryover project amount	103,500	-	103,500
W 43	FM 802 Water Main Loop - engineering	2,998	-	2,998

continued



**CAPITAL BUDGET SUMMARY**  
**Improvement Fund Projects (Fund 400) – Continued**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2021	FISCAL YEARS 2022-2024	FIVE-YEAR TOTAL
W 44	W 5th Street Water Main Loop - engineering	10,565	-	10,565
W 45	South Old Alice Rd and Sunset Dr Utility Improvements - engineering	14,544	-	14,544
W 46	Tara Place, Dix Drive and Hacienda Lane Utility Improvements - engineering	15,074	-	15,074
W 47	Los Ebanos Blvd Utility Improvements (between East Drive and Honeydale Road) - engineering	19,335	-	19,335
W 48	Brownsville Airport Terminal Project	312	-	312
W 49	EST No. 8 - Two Million Gallon Elevated Storage Tank to Replace the Southmost Elevated Storage Tank	3,800,000	-	3,800,000
W 50	Installing first-time water service to residents of Torres Road	178,892	-	178,892
W 52	Extension of Water Service to the City of Brownsville and Department of Public Safety Joint Tactical Training Center	334,146	-	334,146
W 53	Water Main Replacements related to City Street Paving and Drainage Improvement Projects	216,781	-	216,781
<b>Total for Dept. 3310</b>		<b>4,696,147</b>	<b>-</b>	<b>4,696,147</b>
<b>DEPARTMENT 7135 - GEOGRAPHIC INFORMATION SYSTEMS</b>				
W 77	Land acquisition - balance of CIP Amendment No. 1	30,196	-	30,196
<b>Total for Dept. 7135</b>		<b>30,196</b>	<b>-</b>	<b>30,196</b>
<b>ESTIMATED PROJECT TOTAL - WATER</b>		<b>\$ 5,354,481</b>	<b>\$ 1,010,358</b>	<b>\$ 6,364,839</b>
W 78	<b>ADD CARRYOVER CAPITAL EQUIPMENT</b>	<b>3,526,113</b>	<b>-</b>	<b>3,526,113</b>
W 78	<b>ADD ESTIMATED CAPITAL EQUIPMENT</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>ESTIMATED OVERALL TOTAL - WATER</b>		<b>\$ 8,880,594</b>	<b>\$ 1,010,358</b>	<b>\$ 9,890,952</b>
<b>WASTEWATER PROJECTS</b>				
<b>DEPARTMENT 3210 - SOUTH WASTEWATER TREATMENT PLANT</b>				
WW 6	High Efficient Blowers - engineering (Packet 5)	46,533	-	46,533
WW 7	Influent Channel - engineering (Packet 5)	134,545	-	134,545
WW 8	Digester Tank Replacement - engineering (Packet 5)	44,333	-	44,333
WW 9	Aeration Basin No. 3 - engineering (Packet 5)	31,693	-	31,693
WW 10	Belt Filter Press - engineering (Packet 4)	49,216	-	49,216
WW 11	Non-Potable Water Pump and Motor No. 1 - engineering (Packet 4)	51,213	-	51,213
WW 12	Facility Chain Link Fence Replacement - 1,600 linear feet along north and east perimeter	59,395	-	59,395
<b>Total for Dept. 3210</b>		<b>416,928</b>	<b>-</b>	<b>416,928</b>

continued



**CAPITAL BUDGET SUMMARY**  
**Improvement Fund Projects (Fund 400) – Continued**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2021	FISCAL YEARS 2022-2024	FIVE-YEAR TOTAL
<b>DEPARTMENT 3220 - ROBINDALE WASTEWATER TREATMENT PLANT</b>				
WW 26	Turbo Blower Upgrades - engineering (Packet 3) and construction	728,516	-	728,516
WW 27	Non-Potable Water System Upgrade (Packet 4) - engineering	57,177	-	57,177
WW 28	Three each new 25-yard bio-solids metal roll-off bins	27,267	-	27,267
	<b>Total for Dept. 3220</b>	<b>812,960</b>	<b>-</b>	<b>785,693</b>
<b>DEPARTMENT 3230 - WASTEWATER LIFT STATIONS</b>				
WW 36	Pumping and Treatment Apparatus Equipment	90,067	-	90,067
WW 37	Lift Station General Pump Replacements	97,000	-	97,000
WW 38	Lift Station Systemwide Fence Replacements	144,169	-	144,169
	<b>Total for Dept. 3230</b>	<b>331,236</b>	<b>-</b>	<b>331,236</b>
<b>DEPARTMENT 3310 WATER &amp; WASTEWATER ENGINEERING</b>				
WW 81	Estimated miscellaneous carryover project amount	27,787	-	27,787
WW 82	South Colonias Project Design	88,500	-	88,500
WW 83	North Colonias Project Design	48,818	-	48,818
WW 84	Brownsville Airport Terminal Project	1,752	-	1,752
WW 85	Palm Village Utility Improvements - engineering	57,793	-	57,793
WW 86	Rentfro Blvd Utility Improvements - engineering	46,649	-	46,649
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	962,310	1,771,400	2,733,710
WW 89	Old Port Isabel Road 24-inch diameter force main replacement	8,926	-	8,926
WW 90	2020 CIP Contract No. 4 - engineering	23,172	-	23,172
	<b>Total for Dept. 3310</b>	<b>1,319,521</b>	<b>1,771,400</b>	<b>3,090,921</b>
	<b>ESTIMATED PROJECT TOTAL - WASTEWATER</b>	<b>2,880,645</b>	<b>1,771,400</b>	<b>4,638,412</b>
WW 96	<b>ADD CARRYOVER CAPITAL EQUIPMENT</b>	<b>504,736</b>	<b>-</b>	<b>504,736</b>
WW 96	<b>ADD ESTIMATED CAPITAL EQUIPMENT</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>ESTIMATED OVERALL TOTAL - WASTEWATER</b>	<b>\$ 3,385,381</b>	<b>\$ 1,771,400</b>	<b>\$ 5,143,148</b>
	<b>ESTIMATED PROJECT TOTAL</b>	<b>\$ 31,410,552</b>	<b>\$ 31,355,100</b>	<b>\$ 62,752,019</b>
	<b>ESTIMATED CAPITAL EQUIPMENT TOTAL</b>	<b>5,431,478</b>	<b>6,000,000</b>	<b>11,431,478</b>
<b>OVERALL IMPROVEMENT FUND TOTAL - INTERNAL:</b>		<b>\$ 36,842,030</b>	<b>\$ 37,355,100</b>	<b>\$ 74,183,497</b>

continued



**CAPITAL BUDGET SUMMARY**  
**Improvement Fund Projects (Fund 400) – Continued**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2021	FISCAL YEARS 2022-2024	FIVE-YEAR TOTAL
<b>DEPARTMENT 4105 - OPERATIONS</b>				
G 26	Administration Bldg Remodel	-	2,100,000	2,100,000
G 27	Administration Bldg Remodel - furniture, fixtures and other equipment	-	500,000	500,000
<b>Total for Dept. 4105</b>		-	<b>2,600,000</b>	<b>2,600,000</b>
<b>IMPROVEMENT FUND BUDGET - FACILITIES TOTAL \$ - \$ 2,600,000 \$ 2,600,000</b>				
<b>TOTAL IMPROVEMENT FUND BUDGET: \$ 36,842,030 \$ 39,955,100 \$ 76,783,497</b>				

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**CAPITAL BUDGET SUMMARY**  
**Impact Fees Fund Projects (Fund 410)**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2021	FISCAL YEARS 2022-2024	FIVE-YEAR TOTAL
<b>WATER PROJECTS</b>				
<b>DEPARTMENT 3310 - WATER &amp; WASTEWATER ENGINEERING</b>				
W 54	16-inch Waterline Loop from Lago Vista to W. Alton Gloor Blvd	2,421,755	-	2,421,755
W 55	Waterline Upgrade on Southmost Blvd from old EST 4 site to Lima St.	250,000	-	250,000
W 56	Waterline Upgrade Near WTP No. 1	521,000	-	521,000
W 57	Concrete Steel Cylinder Waterline Upgrade from Boca Chica Blvd (SH48) to WTP No. 2	200,000	1,100,000	1,300,000
W 58	FM 511 Waterline Loop from SH 48 to Boca Chica	100,000	1,400,000	1,500,000
W 59	Martinal Area Waterline System Loop	165,000	935,000	1,100,000
W 60	Boca Chica Blvd Waterline Upgrade (International Blvd to Owens Road)	376,800	373,200	750,000
W 61	FM 511 24-inch Waterline Loop (SRWA to Old Port Isabel Rd)	803,200	1,584,800	2,388,000
<b>Total for Dept 3310</b>		<b>4,837,755</b>	<b>5,393,000</b>	<b>10,230,755</b>
<b>ESTIMATED PROJECT TOTAL - WATER</b>		<b>\$ 4,837,755</b>	<b>\$ 5,393,000</b>	<b>\$ 10,230,755</b>
<b>DEPARTMENT 3310 - WATER &amp; WASTEWATER ENGINEERING</b>				
WW 82	South Colonias Project Design	-	88,500	88,500
WW 83	North Colonias Project Design	-	61,500	61,500
WW 91	North Regional Lift Stations and Force Main System - Phase 1	2,500,000	-	2,500,000
<b>Total for Dept 3310</b>		<b>2,500,000</b>	<b>150,000</b>	<b>2,650,000</b>
<b>ESTIMATED PROJECT TOTAL - WASTEWATER</b>		<b>\$ 2,500,000</b>	<b>\$ 150,000</b>	<b>\$ 2,650,000</b>
<b>OVERALL TOTAL IMPACT FEES FUND BUDGET:</b>		<b>\$ 7,337,755</b>	<b>\$ 5,543,000</b>	<b>\$ 12,880,755</b>

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**CAPITAL BUDGET SUMMARY**  
**Future Debt Bond Proceeds Projects (Commercial Paper Fund 405)**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2021	FISCAL YEARS 2022-2024	FIVE-YEAR TOTAL
<b>ELECTRIC PROJECTS</b>				
<b>DEPARTMENT 2210 - SCADA &amp; ELECTRICAL SUPPORT SERVICES</b>				
E 10	Electrical SCADA Replacement of System Software and Hardware	312,940	-	312,940
<b>Total for Dept 2210</b>		<b>312,940</b>	<b>-</b>	<b>312,940</b>
<b>DEPARTMENT 2410 - ELECTRIC ENGINEERING</b>				
E 25	Rio Grande Distribution Substation Upgrade, 69KV to 138 KV	890,000	-	890,000
E 54	56 MVA Northwest Distribution Substation	2,000,000	3,330,000	5,330,000
E 55	Electric Utility Work (via contractors)	-	3,000,000	3,000,000
<b>Total for Dept 2410</b>		<b>2,890,000</b>	<b>6,330,000</b>	<b>9,220,000</b>
<b>ELECTRIC TRANS. &amp; DIST. PROJECT TOTAL:</b>		<b>3,202,940</b>	<b>6,330,000</b>	<b>9,532,940</b>
<b>DEPARTMENT 2220 - POWER PRODUCTION</b>				
E 64	Unit 6 Improvement Project - New Steam Turbine Generator - Purchase and Installation	-	6,553,480	6,553,480
<b>Total for Dept 2220</b>		<b>-</b>	<b>6,553,480</b>	<b>6,553,480</b>
<b>ELECTRIC GENERATION PROJECT TOTAL:</b>		<b>-</b>	<b>6,553,480</b>	<b>6,553,480</b>
<b>ESTIMATED OVERALL PROJECT TOTAL - ELECTRIC</b>		<b>\$ 3,202,940</b>	<b>\$ 12,883,480</b>	<b>\$ 16,086,420</b>
<b>WATER PROJECTS</b>				
<b>DEPARTMENT 3120 - WATER PLANT I</b>				
W 4	High Service Pump No. 2 - Pump and Motor Replacement (construction)	-	260,000	260,000
W 6	High Service Pump No. 5 - Pump and Motor (construction)	726,568	-	726,568
W 7	Drain Valves for the Drying Lagoons	58,126	-	58,126
W 8	Replacement of Rakes for Two Clarifiers (B1 and B2)	1,385	260,000	261,385
W 9	Stainless Steel Slide Gate and Mud Valve Replacements at Flocculation Basin B	8,894	-	8,894
W 10	High Service Pump No. 3 Replacement	60,934	-	60,934
W 11	Flocculator Mixer Drives for Train B	4,365	-	4,365
W 12	Clarifiers drain sludge pump	32,500	-	32,500
W 13	Replace Influent Valves for 8 Filters	214,000	-	214,000
W 14	Pump Station 1 High Service Pump No.6	-	1,211,600	1,211,600
W 15	Raw Water Pump Station No. 1, 2 and 3	-	156,474	156,474
W 16	Conversion of ammonia containers and feed equipment from gas to liquid	-	376,740	376,740

continued



**CAPITAL BUDGET SUMMARY**  
**Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2021	FISCAL YEARS 2022-2024	FIVE-YEAR TOTAL
W 17	Backup caustic soda bulk tank	150,000	-	150,000
W 18	Chlorine storage capacity upgrade	-	207,500	207,500
W 19	On-site generation of sodium hypochlorite	365,000	6,415,000	6,780,000
W 20	Carbon Mixer motor, gear box and impeller	-	84,500	84,500
<b>Total for Dept 3120</b>		1,621,772	8,971,814	10,593,586
<b>DEPARTMENT 3130 - WATER PLANT II</b>				
W 24	Resaca Raw Water Pumping Station	-	612,750	612,750
W 25	Pump and Motor Replacement of Reservoir Raw Water Pump Number 1	196,500	-	196,500
W 26	Pump and Motor Replacement of Reservoir Raw Water Pump Number 3	196,500	-	196,500
W 27	High Service Station - Replacement and Upgrade (includes replacement of high service pump no. 4 pump and motor)	262,000	-	262,000
W 28	Replacement of Backwash Waste Pump No 1	131,000	-	131,000
W 29	Conversion of ammonia containers and feed equipment from gas to liquid	-	376,740	376,740
W 30	On-site generation of sodium hypochlorite	-	6,110,000	6,110,000
W 31	Coagulant bulk tank replacement	-	73,055	73,055
W 32	Structure analysis and repairs of the Reservoir Raw Water Pump House	50,000	300,000	350,000
W 33	Sodium chlorite bulk tank replacement	55,024	-	55,024
W 34	Aeration Tanks Replacement	-	800,000	800,000
W 35	Lighting on the Sedimentation Basin	330,000	-	330,000
<b>Total for Dept 3130</b>		1,221,024	8,272,545	9,493,569
<b>DEPARTMENT 3140 - RAW WATER SUPPLY</b>				
W 36	Raw Water to Resaca Flow Meter	-	102,750	102,750
<b>Total for Dept 3140</b>		-	102,750	102,750
<b>DEPARTMENT 3150 - W/WW OPERATIONS &amp; CONSTRUCTION</b>				
W 39	Water New Connections	617,697	2,470,000	3,087,697
W 40	Water Meter Vault Replacement Project	75,000	-	75,000
W 41	Valve Replacement Project Phase 3 - construction	250,000	250,000	500,000
<b>Total for Dept 3150</b>		942,697	2,720,000	3,662,697
<b>DEPARTMENT 3310 - WATER &amp; WASTEWATER ENGINEERING</b>				
W 62	Estimated miscellaneous carryover project amount	57,154	-	57,154
W 63	36-inch Diameter Raw Water Line Replacement at Rotary Park - engineering	39,813	-	39,813

continued



**CAPITAL BUDGET SUMMARY**  
**Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2021	FISCAL YEARS 2022-2024	FIVE-YEAR TOTAL
W 64	Martinal Area Water System Loop off of Old Port Isabel Road and FM 802 - engineering	22,809	-	22,809
W 65	Greenbriar Avenue Water Improvements - construction	10,600	-	10,600
W 66	2020 CIP Contract No. 4 - engineering	22,931	-	22,931
W 67	Emergency by-pass pumps for Water Plant I and II	300,000	-	300,000
W 53	Water Main Replacements related to City Street Paving and Drainage Improvement Projects	758,656	1,500,000	2,258,656
W 68	30th Street Elevated Storage Tank Water Line	500,000	-	500,000
W 69	Southmost Blvd Waterline Upgrade (E 14th St to E 25th St)	-	1,575,000	1,575,000
W 70	Southmost Blvd Waterline Upgrade (E 25th St to E 30th St)	-	758,000	758,000
W 71	South Iowa Water Line Upgrade (Boca Chica Blvd to Billy Mitchell Blvd)	-	1,850,000	1,850,000
W 72	New Raw Water River Intake Facility	600,000	15,500,000	16,100,000
W 73	18-inch Waterline along Old Hwy 77 and FM 511 to Old Alice Rd	-	1,546,000	1,546,000
W 74	12-inch Waterline West of Hwy 77	-	1,345,000	1,345,000
W 75	16-inch Waterline at Summer Hill Subdivision	-	894,000	894,000
W 76	16-inch Waterline Upgrade on Boca Chica Blvd from Owens Rd to Iowa Ave	-	1,850,000	1,850,000
<b>Total for Dept 3310</b>		<b>2,311,963</b>	<b>26,818,000</b>	<b>29,129,963</b>
<b>WATER PROJECT TOTAL:</b>		<b>\$ 6,097,456</b>	<b>\$ 46,885,109</b>	<b>\$ 52,982,565</b>
<b>ADD CARRYOVER CAPITAL EQUIPMENT</b>		-	-	-
<b>ADD ESTIMATED CAPITAL EQUIPMENT BUDGET</b>		-	-	-
<b>ESTIMATED OVERALL TOTAL - WATER</b>		<b>\$ 6,097,456</b>	<b>\$ 46,885,109</b>	<b>\$ 52,982,565</b>
<b>WASTEWATER PROJECTS</b>				
<b>DEPARTMENT 2210 - SCADA &amp; ELECTRICAL SUPPORT SERVICES</b>				
WW 1	Remote Terminal Units for W/WW SCADA Lift Station Integration	-	100,000	100,000
WW 2	Lift Station Electrical Safety Upgrades - motor control panels and security lights	360,000	312,000	672,000
WW 3	Lift Station Electrical Upgrades - 10 lift stations	182,000	182,000	364,000
WW 4	W/WW SCADA Yard Communication Tower	250,000	-	250,000
<b>Total for Dept 2210</b>		<b>792,000</b>	<b>594,000</b>	<b>1,386,000</b>

continued



**CAPITAL BUDGET SUMMARY**  
**Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2021	FISCAL YEARS 2022-2024	FIVE-YEAR TOTAL
WW 5	Wastewater New Connections	450,000	1,800,000	2,250,000
<b>Total for Dept 3150</b>		<b>450,000</b>	<b>1,800,000</b>	<b>2,250,000</b>
<b>DEPARTMENT 3210 - SOUTH WASTEWATER TREATMENT PLANT</b>				
WW 10	Belt Filter Press and Solids Handling Improvements - construction	-	2,115,600	2,115,600
WW 13	Chlorine Contact Chamber Sluice Gate Replacement Project - engineering	124,000	-	124,000
WW 13	Chlorine Contact Chamber Sluice Gate Replacement Project - construction	-	252,000	252,000
WW 14	Non-Potable Water System Upgrade (Packet 4) - engineering and construction	46,507	327,268	373,775
WW 15	Effluent River Pump and Motor No. 3	155,436	-	155,436
WW 16	4 Each Blower Replacements	266,550	-	266,550
WW 17	Aeration Basin No. 1 Mixed Liquor Suspended Solids Influent Channel Repairs	83,850	-	83,850
WW 18	Aeration Basin No. 3 Valves Replacement	98,400	-	98,400
WW 19	Digester Tanks 1 and 2 Structural Rehabilitation	100,000	312,050	412,050
WW 20	Upgrade of Headworks Grit System	2,355,205	2,155,205	4,510,410
WW 21	Dissolved Oxygen Probes Installation and SCADA Monitoring	36,400	600,000	636,400
WW 22	Plant Drain Pumps No. 1, 2 and 3	67,023	-	67,023
WW 23	Return Activated Sludge and Waste Activated Sludge (RAS-WAS) Pump Station Improvements	-	349,280	349,280
WW 24	Aeration Blower and Motor No. 1	97,782	-	97,782
WW 25	Digester Blowers 18 - 20	313,650	-	313,650
<b>Total for Dept 3210</b>		<b>3,744,803</b>	<b>6,111,403</b>	<b>9,856,206</b>
<b>DEPARTMENT 3220 - ROBINDALE WASTEWATER TREATMENT PLANT</b>				
WW 26	Turbo Blower Upgrades - construction	2,320,000	-	2,320,000
WW 27	Non-Potable Water System Upgrade (Packet 4) - construction	-	212,814	212,814
WW 29	Blower Building No. 1 Roof Replacement	6,112	-	6,112
WW 30	Four Torque Valve Actuators for The Train Inlet Isolation Valves - engineering and construction	44,637	484,424	529,061
WW 31	Rehabilitation of Vacuum Truck Unloading Station	95,247	403,200	498,447
WW 32	Blowers for Aerobic Digesters (2 each)	17,409	170,446	187,855
WW 33	Three Sluice Gate Valve Replacement Project	9,372	-	9,372
WW 34	Belt Filter Press and Solids Handling Expansion	-	3,217,960	3,217,960
WW 35	Rehabilitation of Two Gravity Thickeners	-	2,272,980	2,272,980
<b>Total for Dept 3220</b>		<b>2,492,777</b>	<b>6,761,824</b>	<b>9,254,601</b>

continued



**CAPITAL BUDGET SUMMARY**  
**Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2021	FISCAL YEARS 2022-2024	FIVE-YEAR TOTAL
<b>DEPARTMENT 3230 - WASTEWATER LIFT STATIONS</b>				
WW 39	Lift Station No. 9 Pump Rehabilitation - engineering (Packet No. 1) and construction	335,669	500,000	835,669
WW 40	Lift Station No. 10 Rehabilitation - engineering (Packet 2) and construction	35,669	600,000	635,669
WW 41	Lift Station No. 11 Rehabilitation - engineering (Packet 2) and construction	35,669	500,000	535,669
WW 42	Lift Station No. 12 Rehabilitation	-	700,000	700,000
WW 43	Lift Station No. 13 Rehabilitation	-	650,000	650,000
WW 44	Lift Station No. 15 Rehabilitation - engineering (Packet 2) and construction	1,326,337	-	1,326,337
WW 45	Lift Station No. 17 Rehabilitation - engineering (Packet No. 1) and construction	13,445	650,000	663,445
WW 46	Lift Station No. 23 Rehabilitation	-	695,000	695,000
WW 47	Lift Station No. 28 Rehabilitation - engineering (Packet 1) and construction	35,669	400,000	435,669
WW 48	Lift Station No. 41 Rehabilitation	750,000	-	750,000
WW 49	Lift Station No. 43 Rehabilitation - engineering (Packet 1) and construction	33,556	400,000	433,556
WW 50	Lift Station No. 44 Rehabilitation - engineering and construction	19,008	500,000	519,008
WW 51	Lift Station No. 47 Rehabilitation - engineering (Packet 2) and construction	46,643	450,000	496,643
WW 52	Lift Station No. 51 Rehabilitation - engineering (Packet 2) and construction	36,070	258,000	294,070
WW 53	Lift Station No. 53 Rehabilitation	-	695,000	695,000
WW 54	Lift Station No. 58 Rehabilitation - engineering (Packet 1) and construction	35,669	400,000	435,669
WW 55	Lift Station No. 63 Rehabilitation - engineering (Packet 2) and construction	1,468,955	926,800	2,395,755
WW 56	Lift Station No. 65A Pump Replacement	62,000	-	62,000
WW 57	Lift Station No. 65B Pump Replacement	82,000	-	82,000
WW 58	Lift Station No. 67 Rehabilitation - engineering (Packet 2) and construction	39,553	350,000	389,553
WW 59	Lift Station No. 68 Rehabilitation - engineering and construction	6,939	675,000	681,939
WW 60	Lift Station No. 69 Rehabilitation - engineering and construction	18,347	675,000	693,347
WW 61	Lift Station No. 72 Rehabilitation - engineering (Packet 1) and construction	31,620	675,000	706,620
WW 62	Lift Station No. 77 Rehabilitation	-	695,000	695,000

continued



**CAPITAL BUDGET SUMMARY**  
**Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2021	FISCAL YEARS 2022-2024	FIVE-YEAR TOTAL
WW 63	Lift Station No. 80 Rehabilitation - engineering (Packet 2) and construction	37,863	275,000	312,863
WW 64	Lift Station No. 82 Rehabilitation	-	695,000	695,000
WW 65	Lift Station No. 85 Rehabilitation	-	695,000	695,000
WW 66	Lift Station No. 89 Rehabilitation - engineering (Packet 2) and construction	35,669	400,000	435,669
WW 67	Lift Station No. 95 Rehabilitation - engineering (Packet 1) and construction	35,669	545,000	580,669
WW 68	Lift Station No. 96 Decommission and Wastewater Line Installation - engineering (Packet 1) and construction	35,669	325,000	360,669
WW 69	Lift Station No. 99 Rehabilitation - engineering (Packet 1) and construction	35,669	400,000	435,669
WW 70	Lift Station No. 101 Rehabilitation - engineering (Packet 2) and construction	44,648	300,000	344,648
WW 71	Lift Station No. 102 Rehabilitation	-	500,000	500,000
WW 72	Lift Station No. 103 Decommission and Wastewater Line Installation	-	500,000	500,000
WW 73	Lift Station No. 105 Rehabilitation - engineering (Packet 2) and construction	338,721	-	338,721
WW 74	Lift Station No. 106 Rehabilitation - engineering (Packet 2) and construction	458,700	-	458,700
WW 75	Lift Station No. 113 Rehabilitation	-	300,000	300,000
WW 76	Lift Station No. 140 Rehabilitation - engineering (Packet 1) and construction	635,669	-	635,669
WW 77	Lift Station No. 159 MCC Building Replacement	-	750,000	750,000
WW 78	South to North Wastewater Reroutes - Lift Station No. 4 Force Main	-	1,365,000	1,365,000
WW 79	South to North Wastewater Reroutes - Lift Station No. 20, 22, and 27 Valve Reconfigurations	-	312,000	312,000
WW 80	South to North Wastewater Reroutes - Lift Station No. 33 and Force Main Upgrade	-	2,500,000	2,500,000
<b>Total for Dept 3230</b>		<b>6,071,095</b>	<b>21,256,800</b>	<b>27,327,895</b>
<b>DEPARTMENT 3310 - WATER &amp; WASTEWATER ENGINEERING</b>				
WW 92	Estimated miscellaneous carryover project amount	69,339	-	69,339
WW 93	North Regional Lift Stations and Force Main System - Phase 2	-	2,450,000	2,450,000
WW 94	Old Port Isabel Road 20" Force Main Rehabilitation Project	-	2,450,000	2,450,000
WW 95	FM 802 Gravity Sewer Interceptor	-	100,000	100,000
<b>Total for Dept 3310</b>		<b>69,339</b>	<b>5,000,000</b>	<b>5,069,339</b>

continued



**CAPITAL BUDGET SUMMARY**  
**Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2021	FISCAL YEARS 2022-2024	FIVE-YEAR TOTAL
ESTIMATED OVERALL TOTAL - WASTEWATER		\$ 13,620,014	\$ 41,524,027	\$ 55,144,041
ESTIMATED PROJECT TOTAL		22,920,410	101,292,616	124,213,026
ESTIMATED CAPITAL EQUIPMENT TOTAL		-	-	-
<b>COMMERCIAL PAPER FUNDING BUDGET - INTERNAL:</b>		<b>\$ 22,920,410</b>	<b>\$ 101,292,616</b>	<b>\$ 124,213,026</b>
<b>DEPARTMENT 4105 - OPERATIONS</b>				
G 23	A new Service Center (FM 511)	150,000	-	150,000
G 24	An Annex Administration Building	15,088,194	-	15,088,194
G 25	Annex Administration Building - furniture, fixtures and	5,500,000	-	5,500,000
<b>Total for Dept 4105</b>		<b>20,738,194</b>	<b>-</b>	<b>20,738,194</b>
<b>COMMERCIAL PAPER FUNDING BUDGETS - FACILITIES</b>		<b>\$ 20,738,194</b>	<b>\$ -</b>	<b>\$ 20,738,194</b>
<b>TOTAL</b>				
<b>TOTAL COMMERCIAL PAPER FUNDING BUDGETS:</b>		<b>\$ 43,658,604</b>	<b>\$ 101,292,616</b>	<b>\$ 144,951,220</b>

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**CAPITAL BUDGET SUMMARY**  
**Grants Proceeds Projects (Fund 200)**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2021	FISCAL YEARS 2022-2025	FIVE-YEAR TOTAL
<b>WATER PROJECTS</b>				
<b>DEPARTMENT 3310 - WATER &amp; WASTEWATER ENGINEERING</b>				
W 51	Installing first-time water service to residents of Torres Road	100,000	-	100,000
	<b>Total for Dept 3310</b>	<b>100,000</b>	<b>-</b>	<b>100,000</b>
<b>ESTIMATED PROJECT TOTAL - WATER</b>		<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ 100,000</b>
<b>OVERALL TOTAL GRANTS BUDGET: \$ 100,000 \$ - \$ 100,000</b>				

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**Summary Expenditure Report  
For All Carryover Projects – FY 2019  
Improvement Fund (Fund 400)**

	<b>FY 2020 BEGINNING BALANCE</b>	<b>FY 2020 ENDING BALANCE</b>	<b>DEFERRED BUDGET</b>	<b>APPROVED BUDGET TOTAL</b>
GENERAL & ADMINISTRATIVE	\$ 3,592,046	\$ 1,518,690	\$ 534,460	\$ 2,053,150
ELECTRIC (less Tenaska)	16,210,702	8,215,054	8,169,534	16,384,588
WATER (less grant-funded project)	2,633,242	1,008,112	4,202,122	5,210,234
WASTEWATER (less grant-funded projects)	1,086,464	727,661	1,520,261	2,247,922
WATER & WASTEWATER	144,998	95,503	50,000	145,503
CARRYOVER WORK ORDER BUDGET TOTAL	\$ 23,667,452	\$ 11,565,020	\$ 14,476,377	\$ 26,041,397
VALLEY CROSSING PIPELINE INTERCONNECT (EG1031)	-	-	-	-
GAS TRANSMISSION LINE (EG3849)	-	-	-	-
CROSS VALLEY NATURAL GAS PIPELINE (EG3926)	430,945	145,955	114,219	260,174
CARRYOVER TENASKA PROJECTS TOTAL - LOCAL CONTRIBUTIONS	\$ 430,945	\$ 145,955	\$ 114,219	\$ 260,174
WATER (CDAM)	-	-	-	-
WASTEWATER (SC9265-6, SC9272)	137,318	137,318	50,000	187,318
CARRYOVER GRANT PROJECTS TOTAL - LOCAL CONTRIBUTIONS	\$ 137,318	\$ 137,318	\$ 50,000	\$ 187,318
CARRYOVER CAPITAL PROJECT BUDGET TOTAL:			\$	26,488,889
CARRYOVER CAPITAL EQUIPMENT BUDGET TOTAL:				5,431,478
IMPROVEMENT FUND - CARRYOVER CIP FUNDING TOTAL:			\$	31,920,367
APPROVED FY 2021 CAPITAL EQUIPMENT BUDGET TOTAL:				-
APPROVED FISCAL YEAR 2021 IMPROVEMENT FUNDING:				5,349,999
APPROVED IMPROVEMENT FUND - CIP FUNDING TOTAL:			\$	37,270,366



**Capital Project Listing – FY 2019**  
**For All Carryover General & Administrative Utility Projects**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2020 BEGINNING BALANCE	FY 2020 ENDING BALANCE	DEFERRED FY 2021+ BUDGET
10/14/16	80575	GA1016	ADMINISTRATION BUILDING REMODELING DESIGN PHASE	134,605	134,605	-
12/15/17	104275	GA1090	ASSET MANAGEMENT STRATEGIC PLAN ANALYSIS	150,000	150,000	-
03/02/18	109086	GA1099	TOWER REDUNDANT NETWORK REPLACEMENT AT SRWA, SCADA AND POWER PLANT FACILITIES	64,419	30,696	-
05/07/18	112692	GA1109	FAX OVER IP	8,906	885	-
03/07/19	130776	GA1197	RESTROOM RENOVATION PROJECT AT THE ADMINISTRATION BUILDING	376,443	291,443	-
03/13/19	131144	GA1203	ENTERPRISE CONTENT AND RECORDS MANAGEMENT SYSTEM (ECRMS) - PILOT PROGRAM	91,934	53,751	279,460
03/06/19	130680	GA1207	SERVER STORAGE	12,352	12,352	-
03/06/19	130723	GA1208	PURE STORAGE EXPANSION	20,181	13,058	-
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	70,276	-
08/22/19	140794	GA1227	PHONE SYSTEM BLADES AND STORAGE	110,000	-	-
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	150,000	-	-
03/25/14	45931	GA3901	MOBILE TIME ENTRY FOR THE MOBILE WORK FORCE	28,843	28,781	-
07/30/20	80540 amended	GA3965	ADMINISTRATION BUILDING ANNEX - DESIGN/ENGINEERING SERVICES	750,415	462,843	-
03/17/20	68332 amended	GA3966	FM 511 FACILITIES RELOCATION PROJECT - DESIGN/ENGINEERING SERVICES AND LAND PURCHASE - FURNITURE, FIXTURES AND EQUIPMENT	221,884 876,693	- -	- -
N/A	N/A	N/A	FUELMASTER AIM UPGRADES	-	-	-
N/A	N/A	N/A	RADIO TOWERS FOR FM 511 SERVICE YARD AND ADMINISTRATION ANNEX	-	-	75,000
N/A	N/A	N/A	LABORATORY EXPANSION - DESIGN/ENGINEERING	-	-	100,000
N/A	N/A	N/A	DELL FX CHASSIS AND STORAGE ADMINISTRATION BUILDING	-	-	80,000
CARRYOVER GENERAL & ADMINISTRATIVE PROJECT TOTAL				\$ 3,592,046	\$ 1,518,690	\$ 534,460

continued



**Capital Project Listing – FY 2019**  
**For All Carryover Electric Utility Projects**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2020 BEGINNING BALANCE	FY 2020 ENDING BALANCE	DEFERRED FY 2021+ BUDGET
03/29/16	71466	FD2014	1000 CAPTAIN DONALD FOUST RD AT THE PORT OF BROWNSVILLE	114,707	114,707	-
03/02/18	109033	FD2081	1000 CAPTAIN DONALD FOUST RD	389	389	-
11/25/19	146179	FD2172	1184 BOCA CHICA BLVD - TXDOT	1,678	1,678	-
01/22/20	149229	FD2174	1375 LILAC CT	493	-	-
01/23/20	149254	FD2175	380 PAREDES AVE	951	62	-
01/27/20	149461	FD2176	2700 R.L. OSTOS RD	13,742	2,121	-
01/28/20	149495	FD2177	3203 SOUTHMOST BLVD	51	-	-
02/10/20	150390	FD2178	7750 PADRE ISLAND HWY	1,581	(114)	-
02/07/20	150308	FD2179	925 W SAINT CHARLES ST	1,690	-	-
02/10/20	150391	FD2180	1600 RINGGOLD RD	281	-	-
02/11/20	150508	FD2181	4315 SOUTHMOST BLVD	1,270	-	-
04/15/19	133063	FD2182	20000 STATE HIGHWAY 48 - AMFELS CONVERSION FROM HPS AND MH LIGHTS TO LED EQUIVALENT	40,115	8,477	-
02/06/20	150198	FD2183	20000 STATE HIGHWAY 48	1,083	195	-
02/18/20	150795	FD2184	344 PAREDES LINE RD	855	0	-
02/21/20	151074	FD2185	6935 PADRE ISLAND HWY	3,941	587	-
02/26/20	151299	FD2186	1 BOULEVARD OF CHAMPIONS	2,748	(524)	-
03/03/20	151575	FD2187	4245 SOUTHMOST BLVD	1,083	247	-
03/03/20	151581	FD2188	54 MIDWAY DR	641	35	-
03/03/20	151584	FD2189	2005 MERCEDES RD	1,207	176	-
02/25/20	151238	FD2190	2605 DANA AVE	1,062	(11)	-
03/19/20	152558	FD2191	264 SAN EUGENIO	551	132	-
04/06/20	153390	FD2192	1415 RINGGOLD ST	1,775	155	-
07/24/20	159664	FD2193	4814 BOCA CHICA BLVD	1,195	315	-
07/28/20	159961	FD2194	604 OLD PORT ISABEL RD	1,654	228	-
08/26/20	161872	FD2195	2725 TAYLOR ST	845	845	-

continued



**Capital Project Listing – FY 2019**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2020 BEGINNING BALANCE	FY 2020 ENDING BALANCE	DEFERRED FY 2021+ BUDGET
08/27/20	161921	FD2196	34 W LOVELL CT	777	456	-
05/05/20	154972	FD2197	2200 LAREDO RD	1,679	-	-
CARRYOVER SECURITY LIGHT PROJECT TOTAL				\$ 198,042	\$ 130,155	\$ -
08/01/17	96449	EA1064	SCADA REMOTE TERMINAL UNIT SYSTEM UPGRADE/REPLACEMENTS FOR ALL SUBSTATIONS	627,585	460,575	-
05/25/17	92902	EA1075	LOMA ALTA SUBSTATION - MARTINAL WATER	95,625	94,774	-
05/11/18	112950		TANK - NORTH WASTEWATER TREATMENT PLANT - FM 802 FIBER OPTIC PROJECT			
04/12/19	132920	EA1251	BOCA CHICA FIBER INSTALLATION - PHASE 1 BETWEEN US HWY 77/83 AND PADRE ISLAND HWY	37,078	36,656	-
09/13/19	141930	EA1252	BATTLEFIELD TRAIL FIBER INSTALLATION - PHASE 2 HIKE AND BIKE TRAIL ALONG PAREDES LINE RD BETWEEN BOCA CHICA BLVD AND MORRISON RD	26,598	24,601	-
03/24/20	152860	EA1253	BOCA CHICA FIBER INSTALLATION - PHASE 3 BETWEEN PADRE ISLAND HWY AND FM 511	106,804	106,382	-
03/23/20	152753	EA1267	FIBER OPTIC FROM SOUTHMOST LIBRARY TO NEW AIRPORT TERMINAL AT 700 AMELIA EARHART DR	68,504	68,504	-
02/14/18	108063	EA3966	FM 511 SERVICE CENTER YARD CENTER FIBER OPTIC DESIGN AND INSTALLATION	86,986	84,822	-
CARRYOVER ADMINISTRATION CONSTRUCTION PROJECT TOTAL:				\$ 1,049,180	\$ 876,314	\$ -
08/18/20	161317	CITY	2600 CENTRAL BLVD	32,132	-	-
07/15/16	76504	ED1006	1000 CAPTAIN DONALD FOUST RD OH TO URD CONVERSION	86,237	86,237	-
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	-

continued



**Capital Project Listing – FY 2019**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2020 BEGINNING BALANCE	FY 2020 ENDING BALANCE	DEFERRED FY 2021+ BUDGET
03/06/18	109298	ED1122	AUTOMATIC TRANSFER SWITCH INSTALLATION WITH ALTERNATE FEED AT ROBINDALE WWTP	87,338	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	144,329	-
09/20/18	120595	ED1130	E RUBEN M TORRES BLVD AND S SAN MARCELO BLVD - BCC RECLOSERS	34,317	34,317	-
09/28/18	121148	ED1158	1797 COOLIDGE ST LIFT STATION NO. 9	7,624	7,624	-
09/28/18	121155	ED1159	190 MILITARY HWY LIFT STATION NO. 28	2,867	1,806	-
08/29/17	97908	ED1193	700 AMELIA EARHART DR OVERHEAD TO UNDERGROUND CONVERSION AT NEW AIRPORT TERMINAL	100,119	69,156	-
03/06/19	130685	ED1194	700 AMELIA EARHART DR TEMPORARY SERVICE	3,059	3,059	-
01/14/19	127476	ED1204	SH 48 POLES REPLACEMENT BETWEEN PAREDES LINE ROAD AND SECURITY DRIVE	82,266	39,704	-
03/27/19	131947	ED1205	PORT OF BROWNSVILLE CROSS ARMS REPLACEMENT ALONG RL OSTOS & CAPT DONALD FOUST RD	70,718	70,718	-
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	-
06/20/19	136781	ED1216	BELDEN TRAIL HPS TO LED SECURITY AND ALLEY LIGHT CONVERSION	8,700	8,700	-
07/02/19	137665	ED1217	BROWNSVILLE HISTORIC BATTLEFIELD TRAIL HPS TO LED SECURITY LIGHT CONVERSION	27,334	27,334	-
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	-	-

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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 2020 BEGINNING BALANCE	FY 2020 ENDING BALANCE	DEFERRED FY 2021+ BUDGET
09/19/18	120533	ED1228	PORT CONNECTION PROJECT - OVERHEAD TO UNDERGROUND CONVERSION OFF OF R.L. OSTOS ROAD	61,780	42,389	-
10/21/19	144095	ED1235	1 DEAN PORTER PARK	37,492	-	-
10/25/19	144454	ED1237	3330 E 14TH STREET	5,804	-	-
10/18/19	144051	ED1239	1801 GREEN CT	1,646	-	-
08/30/19	141219	ED1246	FEEDER EXTENSION AND TIE ALONG COFFEE ROAD	69,344	69,344	-
12/13/19	147322	ED1247	6TH STREET SUBSTATION RISER REPLACEMENT OFF OF OLD ALICE ROAD	26,071	-	-
01/03/20	148278	ED1249	AIRPORT STREET LIGHTS - TEOFILLO CRIVELL ST BETWEEN BILLY MITCHELL BLVD AND S MINNESOTA AVE	38,292	-	-
02/11/20	139878 amended	ED1250	AIRPORT OH TO UG CONVERSION - PHASE III ALONG LES MAULDIN RD FROM S IOWA RD TO AMELIA EARHART DR	695,714	594,780	-
01/17/20	149015	ED1256	20000 STATE HIGHWAY 48 PRIMARY METER FOR AMFELS	7,149	-	-
03/13/20	152239	ED1259	BILLY MITCHELL BLVD STREET LIGHTS UPGRADE	409,542	409,542	240,458
07/07/20	158631	ED1266	DISTRIBUTION MANAGEMENT SYSTEM IMPLEMENT/ INSTALL CAPACITOR BANKS AND RECLOSERS FROM FEEDERS OFF OF THE 6TH STREET SUBSTATION THROUGH FEEDERS OFF OF THE PRICE ROAD SUBSTATION	265,437	265,437	-
07/23/20	159621	ED1269	PALO ALTO SUBSTATION POWER TRANSFORMER AT 6608 OLD ALICE RD	411,843	-	586,317
07/23/20	159632	ED1270	SPARE POWER TRANSFORMER FOR THE MILITARY HWY SUBSTATION	417,343	-	586,317
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	-

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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 2020 BEGINNING BALANCE	FY 2020 ENDING BALANCE	DEFERRED FY 2021+ BUDGET
06/27/19	137370	ED3965	ALTERNATE SERVICE FEEDER FOR ANNEX	199,975	194,535	-
03/08/18	109416	ED3966	FM 511 SERVICE CENTER YARD CENTER ELECTRIC UNDERGROUND DESIGN AND INSTALLATION	25,023	22,815	-
07/12/18	116405	ED3966	TEMPORARY SERVICE FOR NEW SERVICE CENTER ON OLD ALICE RD AND FM 511			
06/06/19	136150	FD1058	UNDERGROUND 3-PHASE PRIMARY AT RIO GRANDE SUBSTATION	313,131	195,570	-
05/07/20	155157	FD3965	1425 ROBINHOOD DR TEMPORARY SERVICE TO ANNEX	16,903	7,974	-
08/14/19	132620 amended	FD3966	ALTERNATE FEED CIRCUIT FOR THE SERVICE CENTER	142,999	91,813	-
N/A	N/A	N/A	EXTENSION OF ELECTRIC SERVICE TO THE CITY OF BROWNSVILLE AND DEPARTMENT OF PUBLIC SAFETY JOINT TACTICAL TRAINING CENTER	-	-	75,266
N/A	N/A	N/A	6 EACH AUTOMATIC TRANSFER SWITCHES	-	-	451,116
CARRYOVER DISTRIBUTION CONSTRUCTION PROJECT TOTAL: \$				\$ 5,009,611	\$ 3,294,951	\$ 1,939,474
08/04/17	96620	EG1068	UNIT 10 COOLING TOWER REPLACEMENT	-	-	773,338
08/04/17	96616	EG1082	UNIT 6 GENERATOR STEP-UP TRANSFORMER AT 94 POWER PLANT DR	190,205	187,090	-
09/27/19	112753 amended	EG1171	DISTRIBUTED GENERATORS AT SRWA WATER WELLS SITE ON FM 1421	348,376	333,091	-
05/15/19	134309 amended	EG1209	BATTERY CHARGER REPLACEMENT AT THE SILAS RAY POWER PLANT	78,584	28,456	-
06/04/20	156842	EG1272	UNIT 6 AND UNIT 9 GENERATOR RELAY PROTECTIVE SYSTEM IMPROVEMENT	489,500	-	-
N/A	N/A	EG3047	OKLAUNION CAPITAL IMPROVEMENTS	1,181,163	-	-
N/A	N/A	EG3158	HIDALGO POWER PLANT IMPROVEMENTS	500,000	724,841	-
03/16/15	35342 amended	EG3849	GAS TRANSMISSION LINE TO TENASKA BROWNSVILLE GENERATING STATION	-	-	-
09/26/14	44869	EG3926	CROSS VALLEY NATURAL GAS PIPELINE	430,945	145,955	114,219
N/A	N/A	N/A	HRSG ECONOMIZER EQUIPMENT REPLACEMENT FOR UNIT 6	-	-	450,610
N/A	N/A	N/A	UNIT 6/9 GSU PROJECT	-	-	605,412
N/A	N/A	N/A	UNIT 6/9 PROTECTIVE RELAY SYSTEM UPGRADE	-	-	337,586

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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 2020 BEGINNING BALANCE	FY 2020 ENDING BALANCE	DEFERRED FY 2021+ BUDGET
N/A	N/A	N/A	CONTROL SYSTEM INTREGRATION OF UNIT 9 FUEL GAS COMPRESSORS	-	-	417,879
N/A	N/A	N/A	GAS COMPRESSOR 9 A, B PLC REPLACEMENT	-	-	421,644
CARRYOVER GENERATION CONSTRUCTION PROJECT TOTAL:				\$ 3,218,773	\$ 1,419,433	\$ 3,120,688
02/19/20	77785 amended	ET1058	POWER PLANT 138 KV DISTRIBUTION SUBSTATION CONVERSION FROM 69 KV	606,400	603,509	-
04/12/19	123727 amended	ET1170	TRANSMISSION LINE RE-ROUTE FOR SHARYLAND UTILITY'S STILLMAN STATION	310,245	310,245	-
05/31/19	135753	ET1210	DYNAMIC DISTURBANCE RECORDER EQUIPMENT FOR THE PRICE ROAD SUBSTATION	49,678	27,826	-
08/13/20	115662 amended	ET1240	AIRPORT SUBSTATION 69KV TO 138 KV CONVERSION AT 915 S CENTRAL AVENUE	1,817,212	170,948	2,374,474
N/A	159615	N/A	AIRPORT SUBSTATION POWER TRANSFORMER	-	-	591,517
12/06/19	146800	ET1242	PURCHASE AND INSTALLATION OF A 69KV CIRCUIT BREAKER FOR UNION CARBIDE SUBSTATION	47,429	47,429	-
09/11/19	141750	ET1260	RIO GRANDE SUBSTATION - TRANSMISSION	59,780	14,050	-
05/04/20	154926	ET1264	1425 ROBINHOOD DR ANNEX BUILDING TRANSMISSION GUY	47,811	17,865	-
06/24/20	158010	ET1265	DISCONNECT SWITCHES REPLACEMENT AT THE RIO GRANDE SUBSTATION	58,593	58,593	-
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	-
N/A	N/A	N/A	INSTALL ELECTRICAL CONDUCTOR AND CONDUIT AT ISLA DE PALMAS SUBDIVISION SECTION I, II, III, IV AND V	-	-	168,000
N/A	N/A	N/A	INSTALL ELECTRICAL CONDUCTOR AND CONDUIT AT TIMBERS SUBDIVISION SECTION I, II AND III	-	-	89,600
CARRYOVER TRANSMISSION CONSTRUCTION PROJECT TOTAL:				\$ 3,009,240	\$ 1,262,557	\$ 3,223,591
CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ 12,286,804	\$ 6,853,256	\$ 8,283,753
N/A	N/A	ED9001	NEW CONNECTIONS - ELECTRIC	235,038	4,527	-
03/27/12	31421	FD4186	ITECC WIND PROJECT	918	918	-

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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 2020 BEGINNING BALANCE	FY 2020 ENDING BALANCE	DEFERRED FY 2021+ BUDGET
03/25/14	45897	FD4326	5101 ALTON GLOOR BLVD PLAZA VISTA	937	937	-
06/12/15	61733	FD4400	2719 BOCA CHICA BLVD	1,798	1,798	-
09/29/15	65527	FD4428	1401 YARD ROAD	4,773	4,773	-
10/16/15	65933	FD4440	DOCK 15 OFF OF R.L. OSTOS RD	2,960	2,960	-
11/09/16	82280	FD4496	2400 BOCA CHICA BLVD	1,266	1,266	-
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	-
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	-
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	-
05/31/17	93117	FD4583	UNIVERSITY BLVD UNDERGROUND 3-PH PRIMARY	218,612	215,295	-
04/11/18	111130	FD4593	1115 S CENTRAL AVENUE	2,059	2,059	-
06/20/18	115024	FD4605	567 W JEFFERSON ST TRINITY TOWNHOMES	3,224	3,224	-
09/04/18	119612	FD4619	4375 PAREDES LINE ROAD HUNTINGTON APARTMENTS	4,786	4,786	-
09/07/18	119917	FD4623	3300 NAFTA PARKWAY, SUITE C	189	189	-
02/04/19	128922	FD4652	649 COFFEE RD	662	662	-
03/27/19	131945	FD4660	2360 EXPRESSWAY 77	557	557	-
07/19/18	116860	FD4665	205 WILDROSE LN WILDROSE APARTMENTS	2,494	1,218	-
03/20/19	131573	FD4666	5236 KENSINGTON LN	8,554	2,061	-
05/02/18	112492	FD4667	2305 SOUTHMOST BLVD	846	846	-
06/21/19	136872	FD4670	33 BOCA CHICA BLVD	1,807	1,807	-
05/16/19	134811	FD4672	2948 BOCA CHICA BLVD	448	448	-

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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 2020 BEGINNING BALANCE	FY 2020 ENDING BALANCE	DEFERRED FY 2021+ BUDGET
06/10/19	136312	FD4673	2940 BOCA CHICA BLVD THRIFT SHOP	237	237	-
08/14/19	140221	FD4678	11600 E OIL DOCK RD OIL DOCK NO. 6	390	390	-
12/18/19	141392 amended	FD4683	25 BOCA CHICA BLVD	6,257	-	-
08/21/19	140645	FD4685	940 W RUBEN M TORRES BLVD NEW PLAZA	47,301	22,777	-
09/19/19	142299	FD4687	10451 OLD STATE HIGHWAY 48 BLUEWING PHASE II	27,886	-	-
06/25/19	137152	FD4688	3215 W ALTON GLOOR BLVD - TEMPORARY CONNECTION FOR LA PERLA LUXURY APARTMENTS	2,777	857	-
02/28/20	142595 amended	FD4689	1025 SPORTS PARK BLVD BROWNSVILLE HONDA	48,299	-	-
07/24/19	138953	FD4690	3310 EXPRESSWAY 77 SOUTH FRONTAGE RD BORDER PATROL	10,352	9,940	-
11/26/18	124732	FD4691	3215 W ALTON GLOOR BLVD BARSE APARTMENTS	27,864	809	-
11/18/19	145749	FD4693	305 LORENALY DRIVE	26,932	10,543	-
11/25/19	146172	FD4697	221 W 2ND STREET	2,539	-	-
12/30/19	148063	FD4700	544 BILLY MITCHELL BLVD	2,238	222	-
12/27/19	148025	FD4701	20 SAM PERL BLVD O'REILLY AUTO PARTS	7,595	-	-
11/25/19	146141	FD4702	2000 MINERAL LOOP BROWNSVILLE GULFSIDE WAREHOUSE	22,232	-	-
12/18/19	147661	FD4703	2648 ALTON GLOOR BLVD	10,284	3,917	-
11/07/19	145305	FD4704	441 E ALTON GLOOR BLVD EXCEPTIONAL ER, PHASE II	37,630	37,630	-
11/05/19	145173	FD4705	10951 OLD STATE HIGHWAY 48	3,553	-	-
12/23/19	147840	FD4706	3310 EXPWY 77 SOUTH FRONTAGE RD	17,546	17,114	-
01/07/20	148394	FD4707	4300 R.L. OSTOS RD	1,505	1,505	-
01/24/20	149383	FD4709	2010 N CENTRAL AVE	7,313	-	-

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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 2020 BEGINNING BALANCE	FY 2020 ENDING BALANCE	DEFERRED FY 2021+ BUDGET
09/25/19	142571	FD4710	4105 OLD HIGHWAY 77	3,555	-	-
01/17/20	149039	FD4711	3755 E 14TH STREET	8,148	3,004	-
02/21/20	151110	FD4712	1230 MORNINGSIDE RD	1,293	1,293	-
01/16/20	148960	FD4713	2155 PAREDES LINE RD TESLA SUPERCHARGER	23,769	23,769	-
04/13/20	153653	FD4714	3025 E RUBEN TORRES BLVD SEVILLE PLAZA	17,560	1,244	-
04/21/20	154110	FD4715	3514 CALLE NORTENA - SMALL CELL NODE	1,218	-	-
05/06/20	155029	FD4716	106012 POWER PLANT DR RIVER PUMP STATION NO. 3	1,007	1,007	-
11/19/19	145812	FD4717	650 RUBEN M TORRES BLVD SMALL CELL ANTENNA SITE	4,140	-	-
06/05/20	156970	FD4718	4350 EXPRESSWAY 77 / NORTH FRONTAGE RD JACK IN THE BOX	724	467	-
04/22/20	154230	FD4719	871 OLD ALICE RD TROPICAL TEXAS BEHAVIORAL HEALTH	20,122	19,695	-
06/03/20	156750	FD4720	1250 ACACIA LAKE DR	2,843	1,391	-
06/04/20	156786	FD4721	2370 EXPRESSWAY 77 N FRONTAGE RD SEARS RENOVATION	24,906	24,906	-
06/05/20	156976	FD4722	13420 RL OSTOS PORT OF BROWNSVILLE CAMERA TOWER	2,184	2,184	-
03/27/20	153099	FD4723	2822 W ALTON GLOOR BLVD	8,975	8,975	-
03/23/20	152805	FD4724	1009 E ADAMS ST	5,148	5,148	-
06/18/20	157720	FD4725	20035 STATE HWY 48	9,237	4,202	-
02/25/20	151251	FD4726	10925 OLD STATE HWY 48	21,805	3,454	-
07/25/20	158841	FD4727	TRANSFORMER TO ANNEX BUILDING AT 1425 ROBINHOOD DR	34,472	34,472	-
07/17/20	159178	FD4728	7750 PADRE ISLAND HWY SUITE C (EAST SIDE)	11,948	1,711	-
06/09/20	157175	FD4729	950 W RUBEN TORRES BLVD - TEMP SVC	2,093	166	-
07/06/20	158583	FD4730	951 W RUBEN TORRES BLVD - URD SVC	1,317	1,317	-

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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 2020 BEGINNING BALANCE	FY 2020 ENDING BALANCE	DEFERRED FY 2021+ BUDGET
08/05/20	160540	FD4731	4386 WACO RD	6,539	6,539	-
08/14/20	161077	FD4732	54 E PRICE RD	4,389	4,389	-
05/06/20	155064	FD4733	10951 OLD STATE HIGHWAY 48	16,695	16,695	-
07/08/20	158652	FD4734	2933 OLD SPANISH TRAIL	1,536	1,536	-
08/25/20	161785	FD4735	7045 N EXPRESSWAY 77 OLMITO PLAZA, BUILDING B	25,624	-	-
CARRYOVER NEW CONNECTION PROJECT TOTAL				\$ 1,076,864	\$ 536,795	\$ -
03/16/16	70844	ED5402	3777 N EXPRESSWAY 77/83 LAS PALMAS DEVELOPMENT	76,950	76,950	-
02/20/19	129765	ED5430	WESTLAKE ESTATES SECTION III OFF OF WESTLAKE AVENUE	2,163	2,163	-
04/26/19	133788	ED5431	ROSEWOOD ESTATES SECTION I OFF OF FM 1732 AND SUMMER HILL BLVD	161,958	96,864	-
04/11/19	132827	ED5435	PALO ALTO SUBDIVISION OFF OF FM 511 / SH 550	127,120	-	-
05/14/19	134674	ED5436	SANTANDER PHASE IV SUBDIVISION BETWEEN LAREDO RD AND BASQUE DR ON SEVILLA ST, GALICIA CT AND TOLOSA ST	60,829	4,855	-
10/14/19	143654	ED5437	EL CHAPARRAL SUBDIVISION OFF OF E MORRISON ROAD	114,487	50,873	-
09/16/19	142045	ED5438	CAJUN FARMS SUBDIVISION, SECTION II OFF OF CAJUN BLVD	295,575	295,575	-
09/13/19	141916	ED5439	POINSETTIA GARDENS ASH ST AND OAK ST	57,507	-	-
02/12/20	150619	ED5440	SIMMON'S CROSSING SECTION 2 OFF OF W MORRISON RD	120,461	120,461	-
10/23/19	144221	ED5441	LAGO VISTA PHASE VI SEC. III SUBDIVISION OFF OF LAGO VISTA BLVD AND RAINFOREST DR	41,775	-	-
02/05/20	150171	ED5442	QUEENSLAND SUBDIVISION, SECTION 3 OFF OF STAGECOACH TRAIL	186,769	-	-
04/30/20	154697	ED5443	PALM GROVE SUBDIVISION OFF OF PALM GROVE	59,485	-	-
02/05/20	150173	ED5444	CROSS COUNTRY TRAILS SUBDIVISION SECTION 9 OFF OF SAGEBRUSH RD AND ABILENE TRAIL	55,930	-	-

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**Capital Project Listing – FY 2019**  
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DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2020 BEGINNING BALANCE	FY 2020 ENDING BALANCE	DEFERRED FY 2021+ BUDGET
02/19/20	150882	ED5445	SIMMONS PLACE SUBDIVISION OFF OF W MORRISON RD AND SIMMONS BLVD	59,090	-	-
07/31/19	139425	ED5446	ELM RIDGE SUBDIVISION SECTION II OFF OF ARECA, FAN AND QUEEN PALM	89,783	-	-
CARRYOVER SUBDIVISION PROJECT TOTAL				\$ 1,509,879	\$ 647,741	\$ -
01/23/15	56368	ED7654	HUDSON BLVD - WALMART	967	967	-
10/11/17	100294	ED7747	700 AMELIA EARTHART 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	17,604	-
04/12/19	132927	ED7771	ALTON GLOOR BLVD PHASE 3 - HPS TO LED STREET LIGHT CONVERSION FROM MADRID AVE TO LAKEWAY DRIVE	6,425	1,748	-
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	-
04/09/19	132643	ED7778	1258 QUAIL HOLLOW DR	2,696	2,696	-
07/31/19	139412	ED7785	SPANISH TRAILS ESTATES PHASE 1 ON NORTHSORE TRAIL, MEMORIAL TRAIL, RIDGE TRAIL, AZALEA TRAIL AND ALAMO TRAIL	25,344	25,344	-
08/21/19	140659	ED7786	157 E PRICE RD	1,630	1,630	-
11/18/19	145753	ED7787	E PRICE ROAD REPLACEMENT OF 25 EACH STREET LIGHTS	5,953	157	-
08/02/19	139579	ED7789	PLAZA EL MAGO DRIVE	3,485	3,485	-
01/08/20	148483	ED7791	CALLE ANACUA	8,762	8,762	-
02/10/20	150384	ED7792	20 JUAREZ ST (ALLEY)	742	353	-
02/11/20	150535	ED7793	1025 E JACKSON ST	1,013	464	-
03/12/20	152184	ED7794	OLD PORT ISABEL AND E PRICE RD	5,810	361	-
02/10/20	150387	ED7795	3445 FRENCH ST	1,369	1,369	-
08/01/19	139469	ED7796	309 N PARK DR - ROSITA ALLALA PARK	1,759	-	-
06/29/20	158264	ED7797	500 BILLY MITCHELL BLVD	609	309	-

Continued



**Capital Project Listing – FY 2019**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2020 BEGINNING BALANCE	FY 2020 ENDING BALANCE	DEFERRED FY 2021+ BUDGET
05/04/20	154861	ED7798	1188 BOCA CHICA BLVD	998	688	-
CARRYOVER STREET LIGHT PROJECT TOTAL				\$ 121,681	\$ 102,452	\$ -
N/A	N/A	ED6000	EMERGENCY TROUBLE CALL Activity for use when work order is not available at time of emergency.	1,022,639	-	-
03/24/14	45869	FD6525	101 BOXCAR RD	5,281	5,281	-
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	-
06/13/17	93787	FD6631	433 CHAMPION DR	2,081	2,081	-
11/22/16	82952	FD6640	1025 WILDROSE LN LOS CEDROS APARTMENTS	11,363	11,363	-
09/11/17	98431	FD6649	MILITARY HWY - POLES BETWEEN W ALTON GLOOR BLVD AND W RUBEN TORRES BLVD	18,907	-	-
11/02/17	101720	FD6655	233 SAN EUGENIO	1,731	1,731	-
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	-
12/13/18	125866	FD6700	513 COUNTRY CLUB RD	631	631	-
12/19/18	126193	FD6701	700 AMELIA EARHART DR	540	540	-
02/20/19	129698	FD6706	406 E MADISON ST	348	348	-
03/08/19	130868	FD6711	720 E FRONTON ST	530	530	-
04/23/19	133639	FD6717	165 JO ANN LN	657	657	-
06/21/19	136882	FD6723	328 LORENALY	9,988	9,988	-
07/23/19	138793	FD6729	KYZ PULSE METERS FOR CUMMINGS AND OLIVEIRA MIDDLE SCHOOL AND PACE HIGH SCHOOL	558	558	-
09/11/19	141812	FD6733	2954 TULIPAN ST	3,215	3,215	-
08/27/19	141053	FD6734	2977 WEST TANDY RD STILLMAN MIDDLE SCHOOL	349	349	-
09/19/19	142307	FD6735	30 EBONY AVE	1,641	1,641	-

continued



**Capital Project Listing – FY 2019**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2020 BEGINNING BALANCE	FY 2020 ENDING BALANCE	DEFERRED FY 2021+ BUDGET
10/08/19	143392	FD6737	3310 EXPRESSWAY 77 ON SOUTH FRONTAGE RD	3,995	3,995	-
10/08/19	143370	FD6738	1744 HONEYDALE RD	1,704	-	-
10/30/19	144877	FD6739	232 N IOWA AVE	990	990	-
11/20/19	145868	FD6744	4761 BOCA CHICA BLVD	4,573	-	-
09/06/19	141584	FD6745	FM 511 AND UTAH RD	1,395	1,395	-
12/06/19	146816	FD6746	415 PALO VERDE DR	2,745	-	-
12/27/19	147967	FD6747	925 W JEFFERSON ST	3,063	1,050	-
12/24/19	147912	FD6748	48 LAKEVIEW LN	1,879	-	-
12/20/19	147771	FD6749	1495 CAJUN CT	6,537	-	-
01/06/20	148339	FD6750	871 OLD ALICE RD	2,787	-	-
01/10/20	148659	FD6751	2100 W SAN MARCELO BLVD VISTA VERDE CONDOMINIUMS	747	485	-
01/10/20	148665	FD6752	1460 N EXPRESSWAY 77 BROWNSVILLE MEDICAL CENTER	10,348	-	-
02/06/20	150246	FD6754	1075 PAREDES LINE RD	10,778	-	-
02/04/20	149982	FD6755	4525 ALBA CIR	974	338	-
11/13/19	145463	FD6756	110 HIBISCUS CT	1,686	-	-
02/19/20	150881	FD6757	2884 E 30TH STREET	4,109	56	-
02/26/20	151290	FD6758	3254 BOCA CHICA BLVD	584	584	-
06/27/18	115562	FD6759	2615 E PRICE RD HANNA ECHS GYMNASIUM	35,664	-	-
03/02/20	151559	FD6760	18 SAN LUIS DR	602	-	-
03/06/20	151860	FD6761	235 E FRONTON ST	725	530	-
03/23/20	152768	FD6762	LAS MANANITAS CIR TRANSFORMERS	6,730	847	-
03/19/20	152550	FD6763	1000 SPORTS PARK BLVD TRANSFORMER	12,085	799	-
03/05/20	151778	FD6764	80 FORT BROWN ST MOST9 SWITCHGEAR REPLACEMENT	26,515	1,364	-
03/04/20	151728	FD6765	3801 CAPTAIN DONALD FOUST RD	20,537	1,643	-

Continued



**Capital Project Listing – FY 2019**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2020 BEGINNING BALANCE	FY 2020 ENDING BALANCE	DEFERRED FY 2021+ BUDGET
04/08/20	153525	FD6766	2989 CENTRAL BLVD	3,464	908	-
04/16/20	153901	FD6767	3101 PABLO KISEL BLVD	9,936	-	-
05/05/20	154992	FD6768	114 CALLE JACARANDA POLE REPLACEMENT	1,256	994	-
05/13/20	155435	FD6769	114 CALLE JACARANDA METER REPLACEMENT	1,286	1,286	-
05/21/20	155863	FD6770	301 MEXICO BLVD	5,166	5,166	-
06/10/20	157262	FD6771	395 CALLE JACARANDA	4,597	4,597	-
05/29/20	156319	FD6772	154 E SAINT FRANCIS ST	5,594	-	-
02/27/20	151437	FD6773	203 NORTH DRIVE	6,101	-	-
07/02/20	158460	FD6774	4250 EXPRESSWAY 77 NORTH FRONTAGE ROAD	4,594	330	-
07/02/20	158483	FD6775	4211 LAS PALMAS CIR	1,755	612	-
07/10/20	158842	FD6776	HERON COVE LANE	3,618	3,303	-
07/21/20	159347	FD6777	5771 PADRE ISLAND HWY	11,460	-	-
07/24/20	159667	FD6778	2100 W SAN MARCELO BLVD	1,035	1,035	-
07/21/20	159346	FD6779	2830CAJUN CT	6,568	-	-
07/23/20	159587	FD6780	333 LORENALY DR	15,129	2,828	-
08/28/20	158792 amended	FD6781	2100 LAREDO RD	20,954	-	-
08/13/20	161018	FD6782	3555 E 14TH STREET	2,774	-	-
08/14/20	161141	FD6783	53 CREEKBEND DR	2,985	-	-
06/01/20	156445	FD6784	24 CONQUISTADOR DR	6,127	-	-
08/11/20	160923	FD6785	6280 SOUTHMOST BLVD	2,526	-	-
05/28/20	156217	FD6786	3310 EXPRESSWAY 77 SOUTH FRONTAGE RD GSA BUS INSPECTION LANE	21,408	-	-
08/25/20	161696	FD6787	2105 CENTRAL BLVD	5,735	-	-
08/26/20	161836	FD6788	2425 BARNARD RD	781	-	-
08/28/20	162095	FD6789	3150 N INDIANA AVE	13,045	-	-

continued



**Capital Project Listing – FY 2019**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2020 BEGINNING BALANCE	FY 2020 ENDING BALANCE	DEFERRED FY 2021+ BUDGET
09/04/20	162498	FD6790	17 IVY LANE	1,642	-	-
08/18/20	161330	FD6791	24 ELM ST	830	-	-
08/20/20	161453	FD6792	90 S VERMILLION	5,744	-	-
09/16/20	163227	FD6793	3204 MCALLEN RD	2,000	-	-
09/15/20	163127	FD6794	129 POWER PLANT DR	7,493	-	-
09/10/20	162757	FD6795	700 E SAINT CHARLES ST	8,808	-	-
07/24/20	N/A	HANNA	HURRICANE HANNA	5,194	-	-
CARRYOVER TROUBLE CALL PROJECT TOTAL				\$ 1,448,377	\$ 90,611	\$ -
OVERALL CARRYOVER ELECTRIC UTILITY PROJECT TOTAL				\$ 16,641,647	\$ 8,361,009	\$ 8,283,753

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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 2020 BEGINNING BALANCE	FY 2020 ENDING BALANCE	DEFERRED FY 2021+ BUDGET
N/A	N/A	CDAM	CHANNEL DAM	-	-	-
03/27/20	79851 amended	WT1015	CAUSTIC SODA FEED IMPROVEMENTS AT WATER PLANT NO. 2	339,745	12,858	-
10/15/18	81897 amended	WD1021	WATER DISTRIBUTION SYSTEM VALVE REPLACEMENT PROJECT	16,655	16,655	-
03/12/20	83301 amended	WD1025	2.0 MG ELEVATED STORAGE TANK DESIGN AND ENGINEERING	114,260	114,260	3,685,740
01/09/17	85681	WA1037	SEDIMENTATION BASIN LIGHTING REPLACEMENT AT WATER PLANT II	76,111	76,111	-
07/12/19	97527 amended	WT1071	HIGH SERVICE PUMP STATION NO. 5 REPLACEMENT FOR WATER PLANT I - ENGINEERING	18,192	-	-
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	8,905	2,998	-
02/01/18	107226	WD1094	WEST 5TH STREET WATER MAIN LOOP OFF OF W FRONTON ST, W 5TH ST AND RAILROAD TRACKS; ENGINEERING	15,672	10,565	-
03/26/18	110515	WS1113	VARIABLE FREQUENCY DRIVE REPLACEMENT AT WELL NO. 11	-	-	-
07/02/18	115827 amended	WA1118	CHLORINE STORAGE CANOPY FOR WATER TREATMENT PLANT NO. 1 AND 2	3,400	3,400	-
12/11/18	122556 amended	WT1161	AERATION STRUCTURE REHABILITATION ENGINEERING (RFQ020-18 PACKET 3)	188,753	159,156	-
12/11/18	123897 amended	WT1162	AERATION TANK REPLACEMENT ENGINEERING (RFQ020-18 PACKET 3)	191,100	161,502	-
11/06/18	123946	WT1168	36-INCH MAG METER FOR WATER TREATMENT PLANT I	-	-	-

continued



**Capital Project Listing – FY 2019**  
**For All Carryover Water Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2020 BEGINNING BALANCE	FY 2020 ENDING BALANCE	DEFERRED FY 2021+ BUDGET
12/04/18	125343	WT1172	RAW WATER PUMP STATION AT WATER PLANT I - ENGINEERING PACKET NO. 4 (RFQ020-18)	107,285	58,962	-
12/04/18	125336	WT1173	HIGH SERVICE PUMP STATION NO. 1 AT WATER PLANT I - ENGINEERING PACKET NO. 4 (RFQ020-18)	157,904	82,587	-
12/04/18	125337	WT1174	HIGH SERVICE PUMP STATION NO. 2 AT WATER PLANT I - ENGINEERING PACKET NO. 4 (RFQ020-18)	80,293	45,351	-
12/04/18	125357	WT1175	HIGH SERVICE PUMP STATION (5 VERTICAL TURBINE PUMPS) AT WATER PLANT II - ENGINEERING PACKET NO. 4 (RFQ020-18)	95,267	53,419	-
12/05/18	125392	WT1176	RAW WATER PUMP STATION AT WATER PLANT II - ENGINEERING PACKET NO. 4 (RFQ020-18)	76,092	43,088	-
06/03/19	135846	WD1213	WATER VALVE REPLACEMENT PHASE 3 ENGINEERING PHASE	17,084	12,076	-
02/24/20 amended	140603	WD1226	INSTALLING FIRST-TIME WATER SERVICE TO RESIDENTS OF TORRES ROAD EAST OF MILITARY HWY 281	44,843	26,852	152,040
06/24/14	48851	WA3913	JARDIN TERRACE SUBDIVISION APPRAISAL OF LOTS	1,268	1,268	-
N/A	N/A	N/A	CROMACK FAMILY MANAGEMENT TRUST PROPERTY PURCHASE	938,304	-	30,196
N/A	N/A	N/A	EXTENSION OF WATER SERVICE TO THE CITY OF BROWNSVILLE AND DEPARTMENT OF PUBLIC SAFETY JOINT TACTICAL TRAINING CENTER	-	-	334,146
CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ 2,493,759	\$ 883,732	\$ 4,202,122
06/29/17	94651	WD5350	RESACA CROSSING SUBDIVISION ON HUDSON BLVD AND RUBEN TORRES BLVD DEVELOPER INSTALLED IMPROVEMENTS	4,347	4,347	-
03/01/18	108923	WD5360	SAN RAFAEL SUBDIVISION OFF OF CENTRAL AVENUE AND SALIDA DE LUNA DEVELOPER INSTALLED IMPROVEMENTS	3,002	2,618	-
07/02/18	115838	WD5371	MACIAS EVENT CENTER OFF OF FM 802 / JACINTO ROAD DEVELOPER INSTALLED IMPROVEMENTS	3,674	3,674	-

Continued



**Capital Project Listing – FY 2019**  
**For All Carryover Water Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2020 BEGINNING BALANCE	FY 2020 ENDING BALANCE	DEFERRED FY 2021+ BUDGET
08/03/18	117799	WD5376	BUTTERFLY GROVE SUBDIVISION ON NARANJO ROAD AND OLD ALICE ROAD DEVELOPER INSTALLED IMPROVEMENTS	4,396	4,396	-
CARRYOVER SUBDIVISION PROJECT TOTAL				\$ 15,419	\$ 15,035	\$ -
N/A	N/A	WD6000	EMERGENCY WATER UTILITY REPLACEMENT <small>Activity for use when work order not available at time of emergency.</small>	24,615	-	-
02/01/18	107227	WD6096	S OLD ALICE RD AND SUNSET DR UTILITY IMPROVEMENTS; ENGINEERING PHASE	19,013	14,544	-
02/01/18	107228	WD6097	TARA PLACE, DIX DRIVE AND HACIENDA LANE UTILITY IMPROVEMENTS OFF OF LA FERIA ROAD; ENGINEERING PHASE	20,247	15,074	-
02/20/18	108283	WD6100	GABRIEL STREET WATER SERVICE LINE CROSSINGS	76,604	76,604	-
08/30/19	115707 amended	WD6102	GREENBRIAR AVENUE WATER IMPROVEMENTS - DESIGN	8,200	3,123	-
CARRYOVER RELOCATION/REPLACEMENT OF LINES PROJECT TOTAL				\$ 124,064	\$ 109,345	\$ -
OVERALL CARRYOVER WATER UTILITY PROJECT TOTAL				\$ 2,633,242	\$ 1,008,112	\$ 4,202,122

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**Capital Project Listing – FY 2019**  
**For All Carryover Wastewater Utility Projects**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2020 BEGINNING BALANCE	FY 2020 ENDING BALANCE	DEFERRED FY 2021+ BUDGET
06/08/20	79461 amended	SP1009	LS 63 MOTOR CONTROL CENTER BUILDING AND ELECTRICAL UPGRADES	17,257	17,257	-
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	10,532	10,532	-
12/13/18	123906 amended	ST1163	AEROBIC DIGESTER BLOWERS AT NWWTP ENGINEERING (RFQ020-18 PACKET 3)	276,309	228,516	500,000
12/11/18	123197 amended	ST1164	HIGH EFFICIENT BLOWERS AT SWWTP ENGINEERING (RFQ020-18 PACKET 5)	73,907	46,533	-
12/11/18	123235 amended	ST1165	INFLUENT CHANNEL AT SWWTP ENGINEERING (RFQ020-18 PACKET 5)	221,805	134,545	-
12/11/18	123422 amended	ST1166	DIGESTER TANK REPLACEMENT AT SWWTP ENGINEERING (RFQ020-18 PACKET 5)	70,272	44,333	-
12/11/18	123482 amended	ST1167	AERATION BASIN NO. 3 AT SWWTP ENGINEERING (RFQ020-18 PACKET 5)	49,545	31,693	-
12/05/18	125393	ST1177	BELT FILTER PRESS AT SOUTH WASTEWATER TREATMENT PLANT - ENGINEERING PACKET NO. 4 (RFQ020-18)	87,466	49,216	-
12/05/18	125395	ST1178	NON-POTABLE PUMP AND MOTOR NO. 1 AT SOUTH WASTEWATER TREATMENT PLANT - ENGINEERING PACKET NO. 4 (RFQ020-18)	91,519	51,213	-
12/05/18	125397	ST1179	NON-POTABLE PUMP AND MOTOR NO. 1 AT ROBINDALE WASTEWATER TREATMENT PLANT - ENGINEERING; PACKET NO. 4 (RFQ020-18)	102,243	57,177	-
01/27/20	148420 amended	SC1248	RINGGOLD STREET SEWER LINE REPLACEMENT BETWEEN E 6TH STREET AND E 7TH STREET	6,444	5,438	-
N/A	N/A	N/A	SEWER REPLACEMENTS RELATED TO THE CITY STREET PAVING AND DRAINAGE IMPROVEMENTS PROJECTS	-	-	626,558
CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ 1,016,812	\$ 685,967	\$ 1,126,558
N/A	N/A	SC6000	EMERGENCY WASTEWATER UTILITY REPLACEMENT <small>Activity for use when work order not available at time of emergency.</small>	-	-	-
05/18/16	42044 amended	SP6083	LIFT STATION 45 REHABILITATION AT 2644 E PRICE RD	1,803	1,803	-

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**Capital Project Listing – FY 2019**  
**For All Carryover Wastewater Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2020 BEGINNING BALANCE	FY 2020 ENDING BALANCE	DEFERRED FY 2021+ BUDGET
12/12/17	104049	SC6095	PALM VILLAGE UTILITY IMPROVEMENTS AT 1400 PALM BLVD; ENGINEERING	9,514	7,793	50,000
02/01/18	107229	SC6098	RENTFRO BLVD UTILITY IMPROVEMENTS FROM SHIDLER DRIVE TO EASTERN BLVD; ENGINEERING	1,520	-	46,649
01/18/19	127765	SC6104	OLD PORT ISABEL ROAD 24-INCH DIAMETER FORCE MAIN REPLACEMENT BETWEEN PRICE ROAD AND RUBEN TORRES BLVD - ENGINEERING	12,682	8,926	-
03/19/20	152557	SC6106	2020 CIP CONTRACT NO. 4 - ENGINEERING W LOS EBANOS BLVD - HONEYDALE TO EAST DRIVE CALLE GALAXIA - US 281 TO CALLE ESPACIO CALLE ESPACIO - CALLE GALAXIA TO CALLE PLUTON	41,344	23,172	-
CARRYOVER RELOCATION/REPLACEMENT OF LINES PROJECT TOTAL				\$ 66,864	\$ 41,694	\$ 96,649
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 ENGINEERING	88,500	88,500	-
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; ENGINEERING	48,818	48,818	-
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	-	-
07/18/19	97521 amended	SC9280	COLONIA CORONADO WASTEWATER IMPROVEMENTS - IN-KIND CONTRIBUTION	-	-	297,054
CARRYOVER NEW CONNECTION PROJECT TOTAL				\$ 140,106	\$ 137,318	\$ 347,054
OVERALL CARRYOVER WASTEWATER UTILITY PROJECT TOTAL				\$ 1,223,782	\$ 864,979	\$ 1,570,261

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**Capital Project Listing – FY 2019**  
**For All Carryover Water & Wastewater Utility Projects**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2020 BEGINNING BALANCE	Y-T-D ENDING BALANCE	DEFERRED FY 2021+ BUDGET
06/07/18	112900	WD1110	BROWNSVILLE AIRPORT TERMINAL PROJECT	312	312	-
	amended		AT 700 AMELIA EARHART DR			
06/07/18	112909	SC1110	DEVELOPER INSTALLED IMPROVEMENTS	1,752	1,752	-
	amended					
04/30/19	110883	WD3966	SERVICE CENTER YARD	114,722	65,228	-
	amended		UTILITY IMPROVEMENTS			
CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ 116,786	\$ 67,291	\$ -
10/12/15	65798	WD5327	WINDSOR SUBDIVISION	5,063	5,063	-
			DEVELOPER INSTALLED IMPROVEMENTS			
CARRYOVER SUBDIVISION PROJECT TOTAL				\$ 5,063	\$ 5,063	\$ -
02/01/18	107271	WD6099	LOS EBANOS BLVD UTILITY IMPROVEMENTS	19,335	19,335	-
02/01/18	107265	SC6099	BETWEEN EAST DRIVE AND HONEYDALE ROAD; ENGINEERING PHASE	3,814	3,814	50,000
CARRYOVER RELOCATION/REPLACEMENT OF LINES PROJECT TOTAL				\$ 23,148	\$ 23,148	\$ 50,000
OVERALL CARRYOVER WATER & WASTEWATER UTILITY PROJECT TOTAL				\$ 144,998	\$ 95,503	\$ 50,000

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**Summary Expenditure Report  
For All Carryover Projects – FY 2019  
For All Other Capital Funds**

	<b>FY 2020 BEGINNING BALANCE</b>	<b>FY 2020 ENDING BALANCE</b>	<b>DEFERRED BUDGET</b>	<b>FISCAL YEAR 2021 FUNDING</b>	<b>FY 2021 APPROVED BUDGET</b>
<b>FUTURE DEBT BOND PROCEEDS PROJECTS (COMMERCIAL PAPER) TOTAL</b>	<b>\$ 35,158,784</b>	<b>\$ 20,929,331</b>	<b>\$ 7,042,413</b>	<b>\$ 27,366,012</b>	<b>\$ 55,337,756</b>
<b>IMPACT FEES TOTAL</b>	<b>393,351</b>	<b>373,432</b>	<b>4,964,323</b>	<b>1,200,000</b>	<b>6,537,755</b>
<b>GRANT FUNDS TOTAL</b>	<b>-</b>	<b>-</b>	<b>100,000</b>	<b>-</b>	<b>100,000</b>
<b>OTHER CAPITAL FUNDS APPROVED BUDGET TOTAL</b>	<b>\$ 35,552,135</b>	<b>\$ 21,302,763</b>	<b>\$ 12,106,736</b>	<b>\$ 28,566,012</b>	<b>\$ 61,975,511</b>

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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 2020 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2021+ BUDGET
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	6,939	6,939	-
09/22/16	79561	SP1013	LIFT STATION NO. 69 REHABILITATION AT 1580 LA POSADA DRIVE	18,347	18,347	-
08/07/20 amended	83301	WD1025	2.0 MG ELEVATED STORAGE TANK DESIGN AND ENGINEERING	89,308	-	-
02/19/20 amended	77785	ET1058	POWER PLANT 138 KV DISTRIBUTION SUBSTATION CONVERSION FROM 69 KV	1,802,949	-	-
06/11/18 amended	93699	SP1066	ODOR CONTROL MASTER PLAN, PHASE II FOR EIGHT WASTEWATER LIFT STATIONS	318,996	200,269	-
07/12/19 amended	97527	WT1071	HIGH SERVICE PUMP STATION NO. 5 REPLACEMENT FOR WATER PLANT I - CONSTRUCTION	726,568	726,568	-
12/14/17	104167	SC1086	BROWNSVILLE SOUTH PADRE ISLAND INTERNATIONAL AIRPORT EDA CARGO FACILITY DEVELOPER INSTALLED IMPROVEMENTS	2,625	2,625	-
02/01/19 amended	113929	WD1115	GAZELLE STREET UTILITY IMPROVEMENTS	-	-	-
02/01/19 amended	113975	SC1115		162,117	162,117	-
11/15/18 amended	121496	SP1135	LIFT STATION NO. 9 REHABILITATION WASTEWATER PUMPING STATION UPGRADES PACKET NO. 1 (RFQ Q020-18)	49,672	35,669	300,000
11/15/18 amended	121769	SP1136	LIFT STATION NO. 17 REHABILITATION WASTEWATER PUMPING STATION UPGRADES PACKET NO. 1 (RFQ Q020-18)	37,198	13,445	-
11/15/18 amended	121770	SP1137	LIFT STATION NO. 72 REHABILITATION WASTEWATER PUMPING STATION UPGRADES PACKET NO. 1 (RFQ Q020-18)	45,622	31,620	-
11/15/18 amended	121771	SP1138	LIFT STATION NO. 95 REHABILITATION WASTEWATER PUMPING STATION UPGRADES PACKET NO. 1 (RFQ Q020-18)	49,672	35,669	-
11/15/18 amended	121772	SP1139	LIFT STATION NO. 99 REHABILITATION WASTEWATER PUMPING STATION UPGRADES PACKET NO. 1 (RFQ Q020-18)	49,672	35,669	-
09/06/19 amended	121773	SP1140	LIFT STATION NO. 15 REHABILITATION WASTEWATER PUMPING STATION UPGRADES PACKET NO. 2 (RFQ Q020-18)	48,452	26,337	-

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 2020 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2021+ BUDGET
12/21/18	121774 amended	SP1141	LIFT STATION NO. 63 REHABILITATION WASTEWATER PUMPING STATION UPGRADES PACKET NO. 2 (RFQ Q020-18)	118,588	78,754	-
12/21/18	121775 amended	SP1142	LIFT STATION NO. 106 REHABILITATION WASTEWATER PUMPING STATION UPGRADES PACKET NO. 2 (RFQ Q020-18)	56,815	41,611	417,089
11/15/18	122410 amended	SP1145	LIFT STATION NO. 89 REHABILITATION ENGINEERING (RFQ020-18 PACKET 1)	49,672	35,669	-
11/15/18	122450 amended	SP1146	LIFT STATION NO. 96 DECOMMISSION ENGINEERING (RFQ020-18 PACKET 1)	49,672	35,669	-
07/18/19	122385 amended	SP1147	LIFT STATION NO. 10 REHABILITATION ENGINEERING (RFQ020-18 PACKET 1)	49,672	35,669	-
11/15/18	122394 amended	SP1148	LIFT STATION NO. 11 REHABILITATION ENGINEERING (RFQ020-18 PACKET 1)	49,672	35,669	-
11/15/18	122396 amended	SP1149	LIFT STATION NO. 28 REHABILITATION ENGINEERING (RFQ020-18 PACKET 1)	49,672	35,669	-
11/15/18	122401 amended	SP1150	LIFT STATION NO. 43 REHABILITATION ENGINEERING (RFQ020-18 PACKET 1)	47,558	33,556	-
11/15/18	122406 amended	SP1151	LIFT STATION NO. 58 REHABILITATION ENGINEERING (RFQ020-18 PACKET 1)	49,672	35,669	-
01/08/19	122468 amended	SP1152	LIFT STATION NO. 47 REHABILITATION ENGINEERING (RFQ020-18 PACKET 2)	63,907	46,643	-
01/08/19	122486 amended	SP1153	LIFT STATION NO. 51 REHABILITATION ENGINEERING (RFQ020-18 PACKET 2)	49,600	36,070	-
01/08/19	122494 amended	SP1154	LIFT STATION NO. 67 REHABILITATION ENGINEERING (RFQ020-18 PACKET 2)	53,899	39,553	-
01/08/19	122553 amended	SP1155	LIFT STATION NO. 80 REHABILITATION ENGINEERING (RFQ020-18 PACKET 2)	51,519	37,863	-
01/08/19	122554 amended	SP1156	LIFT STATION NO. 101 REHABILITATION ENGINEERING (RFQ020-18 PACKET 2)	61,532	44,648	-
01/08/19	122555 amended	SP1157	LIFT STATION NO. 105 REHABILITATION ENGINEERING (RFQ020-18 PACKET 2)	52,743	38,721	-
12/11/18	124094 amended	SP1160	LIFT STATION NO. 140 REHABILITATION ENGINEERING (RFQ020-18 PACKET 1)	49,672	35,669	-
01/28/19	128395	WT1189	REPLACEMENT OF INFLUENT VALVES FOR 8 FILTERS AT WATER PLANT I - ENGINEERING	6,765	1,385	-
01/28/19	128470	WT1190	REPLACEMENT OF DRAIN VALVES FOR DRYING LAGOONS AT WATER PLANT I - ENGINEERING	6,890	6,890	51,236

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 2020 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2021+ BUDGET
06/13/19	127760 amended	WT1200	STAINLESS STEEL SLIDE GATE AND MUD VALVE REPLACEMENTS AT WATER PLANT I FLOCCULATION BASIN B - ENGINEERING AND CONSTRUCTION	118,748	8,894	-
01/18/19	127758	WD1201	39-INCH DIAMETER RAW WATER LINE REPLACEMENT AT ROTARY PARK - ENGINEERING	49,786	39,813	-
04/23/19	131948 amended	WT1202	HIGH SERVICE PUMP NO. 3 REPLACEMENT AT WATER PLANT I	60,934	60,934	-
06/07/19	136189	WT1212	FLOCCULATOR MIXER DRIVES FOR TRAIN B AT WATER TREATMENT PLANT I	59,290	4,365	-
07/22/19	138698	ST1219	ROBINDALE WASTEWATER TREATMENT PLANT BLOWER REPLACEMENT FOR AEROBIC DIGESTER	173,863	17,409	-
12/03/19	146429	SA1245	NWWTP BLOWER BUILDING NO. 1 ROOF REPLACEMENT	67,929	6,112	-
12/02/19	146371	ST1246	REPLACEMENT OF EFFLUENT RIVER PUMP AND MOTOR NO. 3 AT SWWTP	155,436	155,436	-
01/22/20	149188	ST1254	4 EACH BLOWER REPLACEMENTS AT SOUTH WASTEWATER TREATMENT PLANT	287,390	266,550	-
06/29/20	148831 amended	ST1255	REHABILITATION OF VACUUM TRUCK UNLOADING STATION - ENGINEERING; AT ROBINDALE WASTEWATER TREATMENT PLANT	108,150	95,247	-
02/28/20	151468	ST1257	THREE SLUICE GATE VALVE REPLACEMENT AT ROBINDALE WASTEWATER TREATMENT PLANT	92,104	9,372	-
05/13/20	152926 amended	ST1261	FOUR TORQUE VALVE ACTUATORS FOR THE TRAIN INLET ISOLATION VALVES AT THE ROBINDALE WWTP - ENGINEERING	62,628	44,637	-
04/29/20	154622	ST1262	NON-POTABLE PUMP NO. 1 UPGRADE AT SOUTH WASTEWATER TREATMENT PLANT	46,507	46,507	-
08/25/20	159629 amended	ST1268	CHLORINE CONTACT CHAMBER SLUICE GATE REPLACEMENT PROJECT AT SWWTP	95,316	6,315	-
08/17/20	161279	WD1271	EMERGENCY BY-PASS PUMPS FOR WATER PLANT I AND II - ENGINEERING	47,041	-	-
12/03/13	42653	WD3888	MARTINAL AREA WATER SYSTEM LOOPS OFF OF OLD PORT ISABEL ROAD AND FM 802 - ENGINEERING	22,809	22,809	-
02/05/14	44172	WA3897	WATER TREATMENT NO. 2 ROOF REPLACEMENT	5,852	5,852	-
10/17/19	80540 amended	GA3965	ADMINISTRATION BUILDING ANNEX - CONSTRUCTION SERVICES - FURNITURE, FIXTURES AND EQUIPMENT	20,281,000 5,500,000	12,269,194 5,500,000	2,819,000 -

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 2020 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2021+ BUDGET
03/17/20	68332 amended	GA3966	FM 511 FACILITIES RELOCATION PROJECT	1,755,983	66,358	-
06/29/17	94653	SC5350	RESACA CROSSING SUBDIVISION ON HUDSON BLVD AND RUBEN TORRES BLVD DEVELOPER INSTALLED IMPROVEMENTS	3,353	3,353	-
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	-	-
03/13/18	109748	SC5364	IDEA CAMP RIO OFF OF 280 FISH HATCHERY ROAD DEVELOPER INSTALLED IMPROVEMENTS	5,380	5,380	-
06/29/18	115695	SC5369	LA CANTERA LEGACY APARTMENTS OFF OF RUBEN M TORRES BLVD DEVELOPER INSTALLED IMPROVEMENTS	2,521	2,521	-
07/11/18	116305	SC5372	IDEA ACADEMY ROBINDALE SUBDIVISION ON ROBINDALE RD / FM 802 DEVELOPER INSTALLED IMPROVEMENTS	5,152	5,152	-
08/03/18	117802	SC5376	BUTTERFLY GROVE SUBDIVISION ON NARANJO ROAD AND OLD ALICE ROAD DEVELOPER INSTALLED IMPROVEMENTS	7,923	7,417	-
10/04/18	121475	WD5377	WILDROSE VILLAS ON WILDROSE LANE DEVELOPER INSTALLED IMPROVEMENTS	1,033	1,033	-
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	-	-	-
11/13/18	124164	WD5379	GALENO COMMERCIAL SUBDIVISION	1,386	1,386	-
11/13/18	124160	SC5379	ON PABLO KISEL BLVD & GALENO CROSSINGS DEVELOPER INSTALLED IMPROVEMENTS	699	699	-
12/07/18	125522	WD5380	WESTLAKE ESTATES SECTION III	4,377	4,377	-
12/07/18	125574	SC5380	OFF OF WESTLAKE AVENUE DEVELOPER INSTALLED IMPROVEMENTS	3,741	3,741	-
12/27/18	126604	WD5381	CROSS COUNTRY TRAILS SUBDIVISION SECTION 8	2,801	2,801	-
12/27/18	126605	SC5381	OFF OF BARBWIRE LN AND SAGEBRUSH RD DEVELOPER INSTALLED IMPROVEMENTS	-	-	-
01/04/19	126926	WD5382	QUEENSLAND SUBDIVISION, SECTION 2	1,924	1,924	-
01/04/19	126933	SC5382	DEVELOPER INSTALLED IMPROVEMENTS	2,109	2,109	-

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 2020 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2021+ BUDGET
04/15/19	133032	WD5383	SANTANDER SUBDIVISION, PHASE IV	906	15	-
04/15/19	133034	SC5383	OFF OF LAREDO ROAD DEVELOPER INSTALLED IMPROVEMENTS	2,672	1,118	-
04/15/19	133035	WD5384	LAGO VISTA SUBDIVISION, SECTION II, PHASE VI	2,790	1,953	-
04/15/19	133036	SC5384	OFF OF LAGO VISTA BLVD AND RAIN FOREST DRIVE DEVELOPER INSTALLED IMPROVEMENTS	796	-	-
04/15/19	133038	WD5385	CENTRAL PARK COMMUNITY CENTER SUBDIVISION	1,406	1,020	-
04/15/19	133040	SC5385	OFF OF DOUGLAS WAY AND ALEXA DRIVE DEVELOPER INSTALLED IMPROVEMENTS	3,549	1,136	-
04/15/19	133042	WD5386	TITIS PROPERTIES SUBDIVISION -	3,338	3,338	-
04/15/19	133043	SC5386	CHARLIE CLARK SELECT PRE-OWNED AT 2647 N EXPRESSWAY 77/83 DEVELOPER INSTALLED IMPROVEMENTS	3,338	3,338	-
06/12/19	136433	WD5387	ROSEWOOD ESTATES	3,697	910	-
06/12/19	136468	SC5387	DEVELOPER INSTALLED IMPROVEMENTS	166	-	-
06/12/19	136483	WD5388	SANDLEWOOD SUBDIVISION	668	-	-
06/12/19	136484	SC5388	DEVELOPER INSTALLED IMPROVEMENTS	3,660	3,502	-
06/12/19	136474	SC5389	ESPERANZA SUBDIVISION OFF OF HOUSTON ROAD DEVELOPER INSTALLED IMPROVEMENTS	3,188	2,553	-
08/05/19	139636	SC5390	LOERA WAREHOUSE NO. 12 1505 CENTRAL AVENUE DEVELOPER INSTALLED IMPROVEMENTS	3,958	487	-
08/07/19	139848	WD5391	PALMETTO GROVE SUBDIVISION, PHASE II, REPLAT	4,382	4,173	-
	139851	SC5391	INTERSECTION OF SOUTH DAKOTA AVE AND SOUTHMOST RD; DEVELOPER INSTALLED IMPROVEMENTS	4,536	1,850	-
08/12/19	140063	WD5392	EL NARANJAL SUBDIVISION SECTION IX	3,474	2,400	-
	140064	SC5392	DEVELOPER INSTALLED IMPROVEMENTS	3,853	-	-
10/07/19	143304	WD5393	THE WOODLANDS SUBDIVISION, SECTION 2-C	3,002	1,777	-
	143320	SC5393	OFF OF WOODLAND AVENUE DEVELOPER INSTALLED IMPROVEMENTS	3,856	-	-
10/08/19	143359	WD5394	POINSETTIA GARDENS AT BOCA CHICA	3,238	-	-
	143361	SC5394	OFF OF MCDAVITT BLVD DEVELOPER INSTALLED IMPROVEMENTS	3,997	-	-
10/08/19	143369	WD5395	HONDA DEALERSHIP OFF OF BROWNSVILLE SPORTS PARK DEVELOPER INSTALLED IMPROVEMENTS	3,685	-	-
10/28/19	144530	WD5396	HANNA HIGH SCHOOL GYMNASIUM OFF OF PRICE ROAD DEVELOPER INSTALLED IMPROVEMENTS	3,048	-	-

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 2020 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2021+ BUDGET
12/02/19	146363	WD5397	SIMMON'S CROSSING SUBDIVISION,	2,772	-	-
12/02/19	146368	SC5397	SECTION II, OFF OF MORRISON ROAD/SIMMONS BLVD DEVELOPER INSTALLED IMPROVEMENTS	3,612	-	-
12/02/19	146357	WD5398	SIMMON'S PLACE SUBDIVISION	2,576	800	-
12/02/19	146360	SC5398	OFF OF MORRISON ROAD/STERLING STREET DEVELOPER INSTALLED IMPROVEMENTS	3,612	-	-
03/06/20	151852	WD5399	QUEENSLAND SUBDIVISION, SECTION 3	3,048	-	-
03/06/20	151856	SC5399	OFF OF STAGECOACH TRAILS BLVD DEVELOPER INSTALLED IMPROVEMENTS	4,802	2,235	-
03/06/20	151863	WD5400	TIPTON MOTORS SUBDIVISION REPLAT NO. 2	1,057	606	-
03/06/20	151864	SC5400	OFF OF MORRISON ROAD / REAR OF TIPTON MOTORS DEVELOPER INSTALLED IMPROVEMENTS	927	927	-
03/06/20	151882	WD5401	JARDINES DE SEVILLA SUBDIVISION	3,857	3,625	-
03/06/20	151889	SC5401	OFF OF CENTRAL AVENUE / MCKENZIE ROAD DEVELOPER INSTALLED IMPROVEMENTS	5,095	-	-
03/06/20	151892	WD5402	SAKETA HOLDINGS LLC	3,025	-	-
03/06/20	151894	SC5402	OFF OF PAREDES LINE / NORTH OF MORRISON ROAD DEVELOPER INSTALLED IMPROVEMENTS	3,013	2,238	-
03/06/20	151907	WD5403	CROSS COUNTRY TRAILS SECTION 9 SUBDIVISION	2,663	-	-
03/06/20	151919	SC5403	OFF OF STAGECOACH TRAILS / ABILENE TRAILS DEVELOPER INSTALLED IMPROVEMENTS	3,629	1,099	-
03/13/20	152235	SC5404	PASO DEL REY SUBDIVISION OFF OF HOUSTON RD AND DAKOTA AVENUE DEVELOPER INSTALLED IMPROVEMENTS	2,659	2,039	-
04/02/20	153259	SC5405	BROWNSVILLE INDUSTRIAL PARK SUBDIVISION LOTS 12, 13, 14 AND 15; OFF OF FM 802 / ROBINDALE DEVELOPER INSTALLED IMPROVEMENTS	2,646	1,117	-
04/08/20	153518	WD5406	JEAN SUBDIVISION	3,395	3,176	-
04/08/20	153512	SC5406	INTERSECTION OF W TANDY RD AND GREEN CT DEVELOPER INSTALLED IMPROVEMENTS	1,855	-	-
04/09/20	153559	WD5407	LAS VILLAS DEL SOL SUBDIVISION, SECTION 2	2,121	1,757	-
04/09/20	153557	SC5407	OFF OF VILLA SOLEDAD STREET DEVELOPER INSTALLED IMPROVEMENTS	2,471	-	-
06/29/20	158248	WD5408	RESACA VIEW SUBDIVISION	2,705	2,517	-
	158249	SC5408	INTERSECTION OF FM 802 AND LAREDO ROAD DEVELOPER INSTALLED IMPROVEMENTS	3,100	2,806	-
07/10/20	158794	WD5409	CASITA LANTANA PROJECT OFF OF DANA AVENUE AND WESTWIND DRIVE DEVELOPER INSTALLED IMPROVEMENTS	3,455	3,455	-
07/13/20	158952	WD5410	HEWL WAREHOUSE	1,983	1,983	-
	158959	SC5410	1930 ANEI CIRCLE DEVELOPER INSTALLED IMPROVEMENTS	927	698	-

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 2020 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2021+ BUDGET
09/09/20	162661	WD5411	PALO ALTO RESIDENCE PHASE II SUBDIVISION	3,041	-	-
	162660	SC5411	OFF OF PALO ALTO AND CASTILLO ST DEVELOPER INSTALLED IMPROVEMENTS	3,643	-	-
09/14/20	162987	WD5412	IDEA ACADEMY SPORTS PARK SUBDIVISION	3,455	-	-
	162984	SC5412	OFF OF OLD ALICE RD AND SPORTS PARK BLVD DEVELOPER INSTALLED IMPROVEMENTS	3,649	-	-
09/15/20	163099	WD5413	SAN JOSE SUBDIVISION	3,455	-	-
	163100	SC5413	OFF OF LAKESIDE BLVD / W 16TH STREET DEVELOPER INSTALLED IMPROVEMENTS	3,104	-	-
12/30/19	42044 amended	SP6083	LIFT STATION 45 REHABILITATION AT 2644 E PRICE RD	65,015	-	-
03/28/19	97813 amended	SC6093	ROOSEVELT STREET UTILITY LINE IMPROVEMENTS	165,754	57,131	-
12/02/19	97838 amended	SC6094	PALO VERDE SEWER REHABILITATION ON PALO VERDE DRIVE AND TUPELO DRIVE	131,909	39,506	-
08/30/19	115707 amended	WD6102	GREENBRIAR AVENUE WATER IMPROVEMENTS - CONSTRUCTION	89,175	10,600	-
03/19/20	152556	WD6106	2020 CIP CONTRACT NO. 4 - ENGINEERING W LOS EBANOS BLVD - HONEYDALE TO EAST DRIVE CALLE GALAXIA - US 281 TO CALLE ESPACIO CALLE ESPACIO - CALLE GALAXIA TO CALLE PLUTON	41,344	22,931	-
N/A	N/A	SC9001	NEW CONNECTIONS-NO PROJ NUMBER ASSIGNED	251,959	-	-
N/A	N/A	WD9001	NEW CONNECTIONS-NO PROJ NUMBER ASSIGNED	633,981	-	-
05/28/15	33849 amended	SC9272	FM 511-802 COLONIA AREAS CONSTRUCTION	68,080	68,080	-
06/03/19	97521 amended	SC9280	COLONIA CORONADO WASTEWATER IMPROVEMENTS - TX DEPT OF AGRICULTURE'S COLONIA FUND CONSTRUCTION	112,327	6,757	-
01/11/19	127404	SC9281	62 ALTON GLOOR BLVD; FIRE STATION NO. 9 SEWER LINE EXTENSION	3,525	3,525	-
10/29/19	144749	WD9282	OLD PORT ISABEL ROAD DRAINAGE IMPROVEMENTS CONNECTIONS DUE TO COUNTY'S ROAD SIDE DITCH GRADING PROJECT	2,426	2,426	-
04/23/20	152182 amended	WD9283	8" WATERLINE EXTENSION FROM WACO ROAD TO SERVICE 0.82 ACRE TRACT	29,334	-	-
06/08/20	157047	SC9284	8" PVC SEWER LINE EXTENSION TO SERVE 1170 PAREDES LINE RD	10,846	10,846	-
07/27/20	159871	SC9285	54 E PRICE RD	3,380	3,380	-



**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 2020 BEGINNING BALANCE	CURRENT ENDING BALANCE	DEFERRED FY 2021+ BUDGET
N/A	N/A	N/A	WATER MAIN REPLACEMENTS RELATED TO CITY STREET PAVING AND DRAINAGE IMPROVEMENT PROJECTS	-	-	758,656
N/A	N/A	N/A	SWWTP DIGESTER TANKS 1 AND 2 STRUCTURAL REHABILITATION	-	-	100,000
N/A	N/A	N/A	UPGRADE OF HEADWORKS GRIT SYSTEM AT SWWTP	-	-	200,000
N/A	N/A	N/A	LIFT STATION NO. 65A PUMP REPLACEMENT	-	-	62,000
N/A	N/A	N/A	LIFT STATION NO. 65B PUMP REPLACEMENT	-	-	82,000
N/A	N/A	N/A	CLARIFIERS DRAIN SLUDGE PUMP FOR WTP 1	-	-	32,500
N/A	N/A	N/A	WTP 2 PUMP AND MOTOR REPLACEMENT OF RESERVOIR RAW WATER PUMP NO. 1	-	-	196,500
N/A	N/A	N/A	HIGH SERVICE STATION - REPLACEMENT AND UPGRADE (INCLUDES REPLACEMENT OF HIGH SERVICE PUMP NO 4 PUMP AND MOTOR) FOR WTP 2	-	-	262,000
N/A	N/A	N/A	VALVE REPLACEMENT PROJECT PHASE 2	-	-	250,000
N/A	N/A	N/A	NEW RAW WATER RIVER INTAKE FACILITY	-	-	600,000
N/A	N/A	N/A	W/WW SCADA YARD COMMUNICATION TOWER	-	-	250,000
N/A	N/A	N/A	SWWTP AERATION BLOWER AND MOTOR NO. 1	-	-	97,782
N/A	N/A	N/A	SWWTP DIGESTER BLOWERS 18-20	-	-	313,650
N/A	N/A	N/A	NORTH STREET WASTEWATER LINE IMPROVEMENTS	-	-	250,000
CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ 35,158,784	\$ 20,929,331	\$ 7,042,413
ELECTRIC UTILITY TOTAL:				\$ 1,802,949	\$ -	\$ -
GENERAL & ADMINISTRATIVE UTILITY:				27,536,983	17,835,552	2,819,000
WATER UTILITY TOTAL:				2,081,866	962,343	2,150,892
WASTEWATER UTILITY TOTAL:				3,736,987	2,131,437	2,072,521
OVERALL COMMERCIAL PAPER FUND TOTAL				\$ 35,158,784	\$ 20,929,331	\$ 7,042,413

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**Capital Project Listing – FY 2019  
For All Carryover Projects  
Impact Fees Fund Projects (Fund 410)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2020 BEGINNING BALANCE	FY 2020 ENDING BALANCE	DEFERRED FY 2021+ BUDGET
02/12/19	81898 amended	WD1022	16-INCH WATERLINE LOOP FROM W. ALTON GLOOR BLVD TO LAGO VISTA	342,622	326,459	2,095,296
12/28/15	67553 67763	WA3972 SA3972	2015 IMPACT FEE STUDY 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	46,973	1,453,027
N/A	N/A	N/A	WATERLINE UPGRADE NEAR WATER PLANT NO. 1	-	-	521,000
N/A	N/A	N/A	CONCRETE STEEL CYLINDER WATERLINE UPGRADE FROM BOCA CHICA BLVD (SH48) TO WTP NO. 2	-	-	200,000
N/A	N/A	N/A	FM 511 WATERLINE LOOP FROM SH 48 TO BOCA CHICA	-	-	100,000
N/A	N/A	N/A	MARTINAL AREA WATERLINE SYSTEM LOOP	-	-	165,000
N/A	N/A	N/A	BOCA CHICA BLVD WATER LINE UPGRADE FROM INTERNATIONAL BLVD TO OWENS RD	-	-	60,000
N/A	N/A	N/A	FM 511 24-INCH WATERLINE LOOP FROM SRWA TO OLD PORT ISABEL RD	-	-	120,000
N/A	N/A	N/A	WATERLINE UPGRADE ON SOUTHMOST BLVD FROM OLD EST 4 SITE TO LIMA ST	-	-	250,000
CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ 393,351	\$ 373,432	\$ 4,964,323
WATER UTILITY TOTAL:				\$ 342,622	\$ 326,459	\$ 3,511,296
WASTEWATER UTILITY TOTAL:				50,729	46,973	1,453,027
OVERALL IMPACT FEES FUND TOTAL				\$ 393,351	\$ 373,432	\$ 4,964,323

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**Capital Project Listing – FY 2019**  
**For All Carryover Projects**  
**Grant Proceeds (Fund 200)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2020 BEGINNING BALANCE	FY 2020 ENDING BALANCE	DEFERRED FY 2021+ BUDGET
05/28/15	33849 amended	SC9272	FM 511-802 COLONIA AREAS	-	-	-
02/24/20	140603 amended	WD1226	INSTALLING FIRST-TIME WATER SERVICE TO RESIDENTS OF TORRES ROAD EAST OF MILITARY HWY 281	-	-	100,000
CARRYOVER PROJECT TOTAL				\$ -	\$ -	\$ 100,000
WATER UTILITY TOTAL:				\$ -	\$ -	\$ -
WASTEWATER UTILITY TOTAL:				-	-	100,000
OVERALL GRANTS FUND TOTAL				\$ -	\$ -	\$ 100,000

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# ***GRANTS***



**Grant Schedule**  
**As of September 30, 2020**

Federal Grantor/Pass-Through Grantor/Program Title/Grant No.	Grant Period From	To	Total Project Cost	Approved Grant Funding	BPUB Activity Number	Grant Expenditures Requested	Reimbursements Received	Due From Government
<b>FEDERAL FINANCIAL ASSISTANCE</b>								
<b>FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA)</b>								
<b>THROUGH TEXAS DIVISION OF EMERGENCY MANAGEMENT</b>								
<i>Town Resaca Watershed</i>								
CFDA # 21.015	2/28/2020	10/31/2023	<b>582-20-11819</b>		RESTOR			
			4,680,939	4,680,939		\$ -	\$ -	\$ -
			<b>\$ 4,680,939</b>	<b>\$ 4,680,939</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
Total Expenditures and Disbursements of Federal Awards						<b>\$ -</b>	<b>\$ -</b>	
<b>STATE FINANCIAL ASSISTANCE</b>								
<b>TEXAS WATER DEVELOPMENT BOARD</b>								
<i>Program: Economically Distressed Areas Program</i>								
<b>FM511-802 Colonia (CONSTRUCTION)</b>								
G120010	4/19/2012	6/30/2015	<b>10344</b>		SC9272			
L120029			\$ 25,497,000	\$ 24,505,000		\$ 23,525,433	\$ 23,525,433	\$ -
				840,000		840,000	840,000	-
			<b>\$ 25,497,000</b>	<b>\$ 25,345,000</b>		<b>\$ 24,365,433</b>	<b>\$ 24,365,433</b>	<b>\$ -</b>
Total Expenditures and Disbursements of State Awards						<b>\$ 24,365,433</b>	<b>\$ 24,365,433</b>	

continued



**Grant Schedule**  
**As of September 30, 2020 - 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
<b>LOCAL FINANCIAL ASSISTANCE</b>								
<b>CPS HR CONSULTING</b>			<b>CPS HR CONSULTING</b>		<b>MRETEN</b>			
MILLENIAL RETENTION	4/1/2017	3/31/2021	\$ 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>
<b>DEMONSTRATION OF ENERGY &amp; EFFICIENCY DEVELOPMENTS (DEED)</b>			<b>N/A</b>					
CS-2300:Operations Graduate Engineer Intern	5/1/2020	12/18/2020	\$ 5,000	\$ 5,000		\$ -	\$ -	\$ -
			<u>\$ 5,000</u>	<u>\$ 5,000</u>		<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Total Expenditures and Disbursements of Local Awards						<u>\$ 9,706</u>	<u>\$ 9,706</u>	
Total Expenditures and Disbursements of Federal, State, Local Awards and TWDB Bonds						<u>\$ 24,375,139</u>	<u>\$ 24,375,139</u>	



# ***APPENDICES***



## Appendices Section

This part of the Brownsville PUB Annual Budget Report presents detailed information as a context for understanding what the information in the required statistical and supplementary information says about the Brownsville PUB.

<b>Contents</b>	<b>Page</b>
<b>BPUB Description and Utility Service Territory Maps</b>	
These schedules include supplemental data that describe the organization, the community, and service territory.	423
<b>Glossary</b>	
This schedule includes any terminology (including abbreviations and acronyms) that are not readily understandable.	430
<b>Financial Trends</b>	
These schedules contain trend information to help the reader understand how the Brownsville Public Utilities Board's financial performance and well-being has changed over time.	440
<b>Revenue Capacity</b>	
These schedules contain information to help the reader access the Brownsville PUB's local revenue source.	444
<b>Debt Capacity</b>	
These schedules present information to help the reader assess the Brownsville PUB's debt burden and its ability to issue additional debt in the future.	449
<b>Demographic and Economic Information</b>	
This schedule offers demographic and economic indicators to help the reader understand the environment in which the Brownsville PUB's financial activities take place.	451
<b>Operating Information</b>	
These schedules contain service and infrastructure data to help the reader understand how the information in the Brownsville PUB's financial report relates to the service Brownsville PUB provides and activities it performs.	460



## ***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 51,988 customers and serves a peak load of 282 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 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), (ii) 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, (iii) a Power Purchase Agreement with Exelon Corporation entitling the Board to purchase 78 MW of renewable energy, (iv) a Power Purchase Agreement with AEP Energy Partners, Inc entitling the Board to 50 MW of fixed 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 2020 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 38.2 years. About 30% 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, 67<sup>th</sup> Leg., Ch. 511, 1981 Tex. Gen. Laws 2196. The SRWA provides treated water to various areas of Cameron County.

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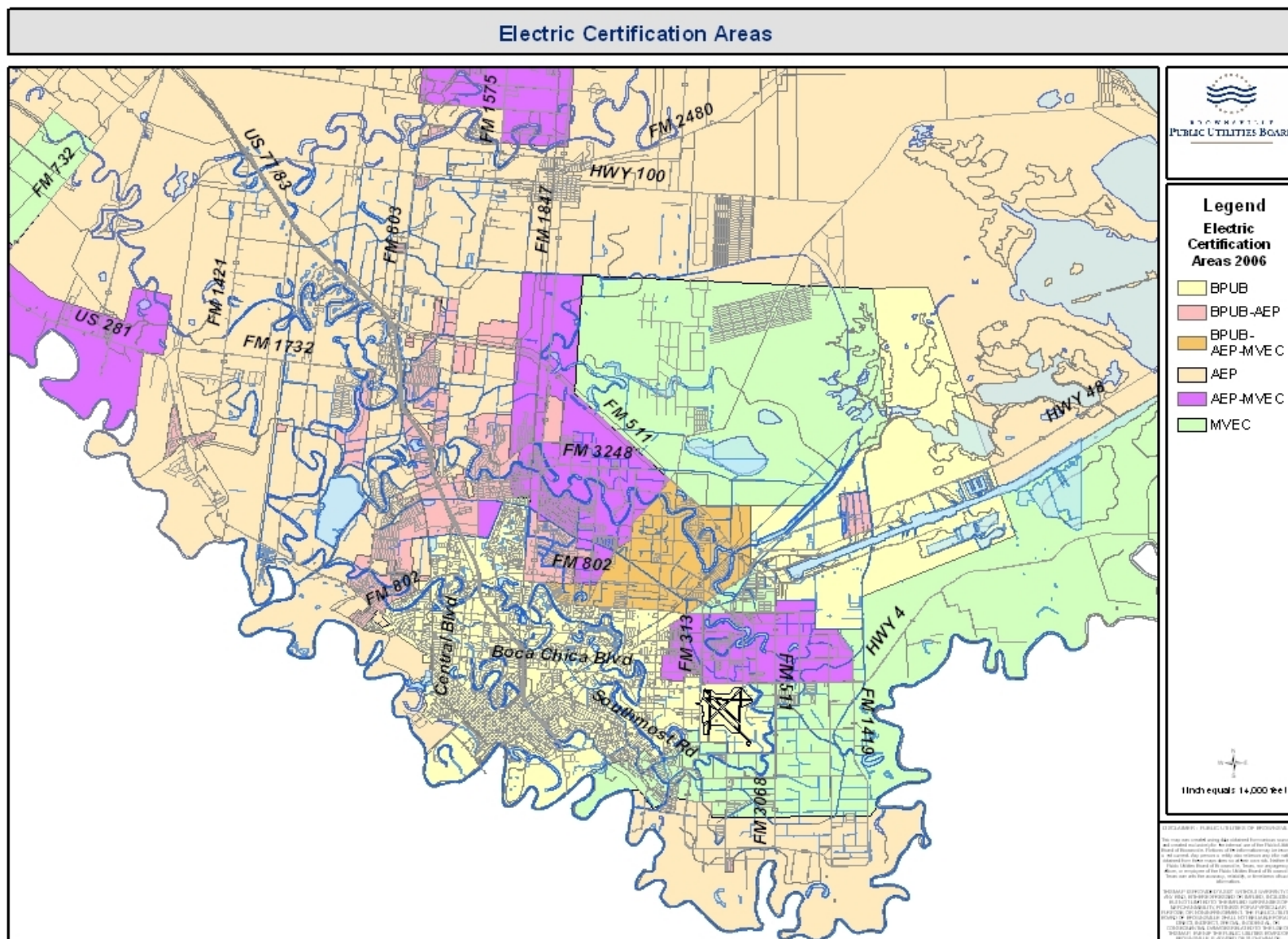
**MAP INDICATING WHERE BROWNSVILLE PUB IS LOCATED**



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.

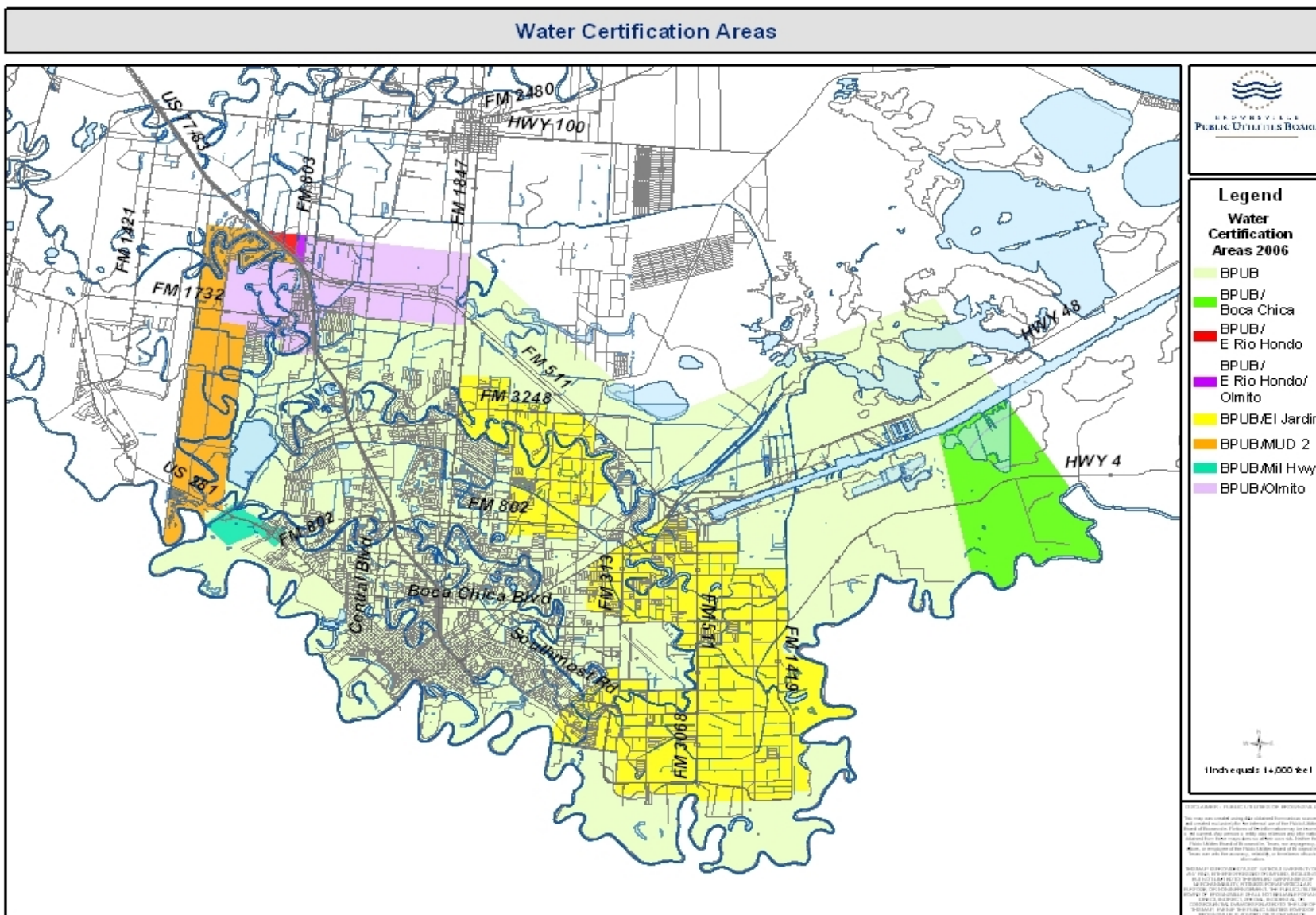


## SERVICE AREA MAPS – ELECTRIC



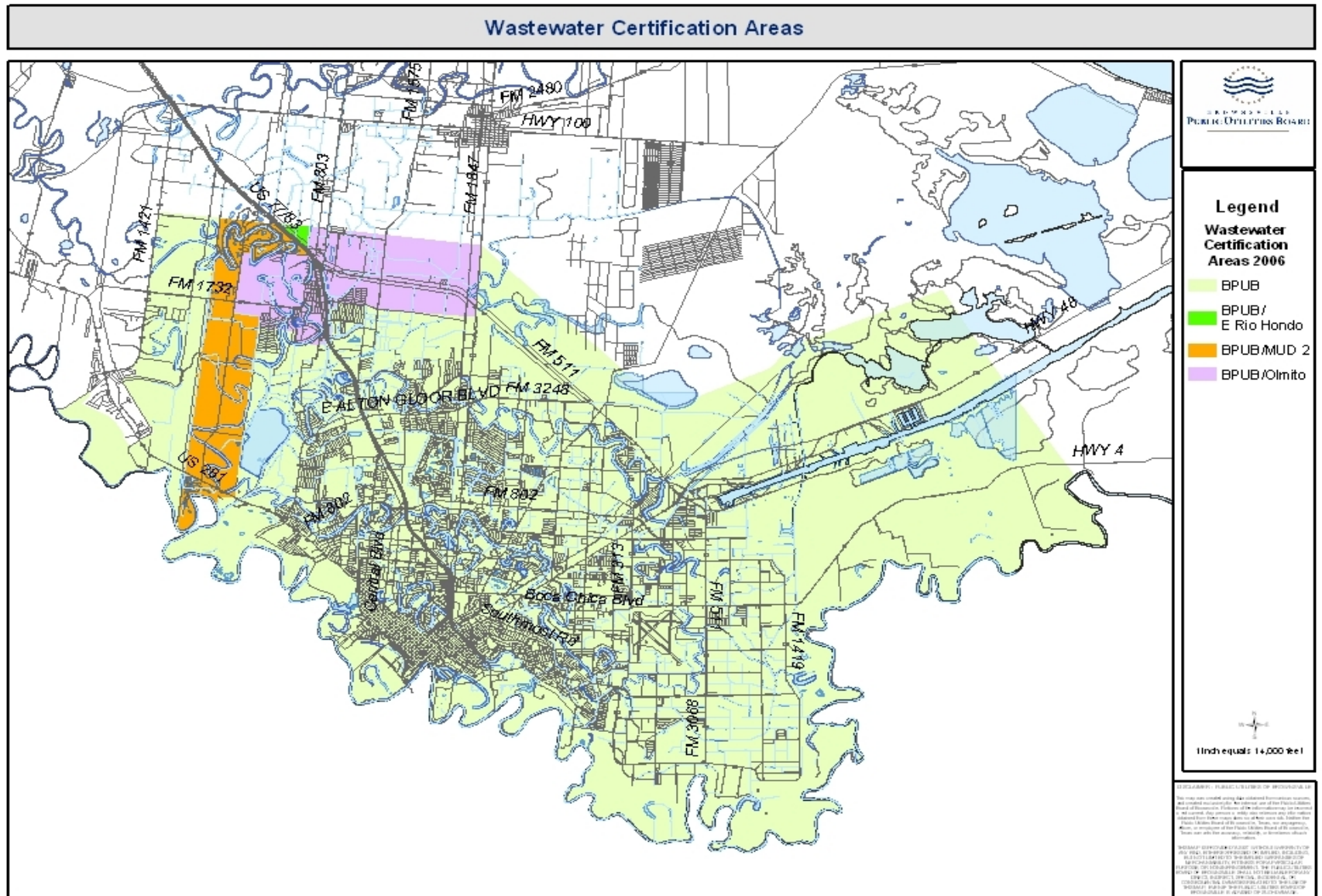


# SERVICE AREA MAP – WATER





## SERVICE AREA MAP – WASTEWATER





## **GLOSSARY**

**A/P** – Accounts Payable

**A/R** – Accounts Receivable

**Account** – A basis for distinguishing types of expenses or expenditures.

**Accrual** – The method of accounting that recognizes income when earned and expenses when incurred regardless of when cash is received or disbursed.

**ACH** – Automated Clearing House; name of the network used for electronic financial transactions.

**AMI** – Automated Metering Infrastructure

**AMR** – Automated Meter Reading

**ARRA** – American Recovery and Reinvestment Act of 2009 is a nationwide effort to create jobs, jumpstart growth and transform our economy to compete in the 21<sup>st</sup> century signed into effect February 17, 2009.

**Asset** – A property that has value.

**AST** – Above-ground storage tank

**Balanced Budget** – a budget in which forward expenditures for a set period are matched by expected revenues for the same period.

**BANNER 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](http://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](http://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](http://www.ercot.com)).

**ERM** – Energy Risk Management

**Expense** – A use of financial resources to acquire goods or services consumed in a single year's current operations.

**Federal Deposit Insurance Corporation (FDIC)** – An independent agency created by Congress that maintains the stability and public confidence in the nation's financial system by insuring deposits, examining and supervising financial institutions, and managing receiverships ([www.fdic.gov](http://www.fdic.gov)).

**Feeder** – That portion of the circuit that is protected by the breaker up to any protective device excluding branches.

**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](http://www.gasb.org)).

**GAAP** - Generally Accepted Accounting Principles; the conventions, rules, and procedures necessary to define an accepted accounting practice at a particular time. The principles have been developed on the basis of experience, custom, usage, and to a significant extent, practical necessity.



## **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](http://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

**JE**s – 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](http://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](http://www.puc.state.tx.us)).

**Purview** – Scope or range.

**QA** – Quality assurance

**QC** – Quality control

**Ratings** – Alpha and/or numeric symbols used to give indications of relative credit quality. In the municipal market these designations are published by the investors’ rating services. Internal ratings are also used by other market participants to indicate relative credit quality.

**Resaca** - Resacas were former channels of the Rio Grande River. Today, they serve as water storage pools as well as habitats for waterfowl, nutria, gar and even alligators; a body of water or water body.

**Revenue Bonds** – Securities for which debt service payments are generated from a specific revenue source.

**Reverse Osmosis** – A process by which a solvent such as water is purified of solutes by being forced through a semi-permeable membrane through which the solvent, but not the solutes, may pass.

**Revenue Neutral** – No gain or loss in revenues.

**RTU** – Remote Terminal Unit

**SCADA** – Supervisory Control and Data Acquisition System; a computer system used to control and monitor power generation; electric, gas, and water transmission and distribution; and wastewater collection.

**Senior Lien** – See “lien obligations”.



## 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](http://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](http://www.tceq.state.tx.us/permitting/water_quality/wastewater/pretreatment/tpdes_definition.html).

**TSS** – Total Suspended Solids

**TWDB** – Texas Water Development Board; state agency providing leadership, planning, financial assistance, information, and education for the conservation and responsible development of water resources for the State of Texas ([www.twdb.state.tx.us](http://www.twdb.state.tx.us)).

**TXDOT** – Texas Department of Transportation; state agency providing safe, effective, and efficient movement of goods within the State of Texas ([www.dot.state.tx.us](http://www.dot.state.tx.us)).

**UPS** – Uninterruptible Power Supply

**Uses of Funds** – The Uses of Funds identifies how the Brownsville PUB spends the cash it receives. There are nine major categories of cash uses: electric fuel & energy costs, SRWA (the Authority), personnel O&M expenses, non-personnel O&M expenses, other non-operating expenses, debt service fund, city cash transfer, operating & improvement reserves, and CIP funding. The largest use of cash is for operational expenses (labor, fuel, and other expenses) related to the day-to-day operation and maintenance of the Brownsville PUB. The amount of operating cash used to pay for capital projects is also identified. Debt service fund represent the principal and interest payments for the outstanding and planned bond issues. The remaining uses of cash include city cash transfer and operating & improvement reserves.

**UST** – Underground Storage Tank.

**Utility Manager System (UMS)** – Software that manages the customer accounts for electric, water and wastewater utilities. The UMS is the primary billing system for the Brownsville PUB.

**Vacancy Savings** – Personnel account used to allow for the effects of attrition through resignations of employees and non-hiring of currently vacant positions.

**Watt** – The rate of work represented by a current of one ampere under a pressure of one volt and taken as the standard in the United States.

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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**

<b>Assets</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>
Current assets:					
Cash and cash equivalents	\$ 11,422,405	\$ 8,725,046	\$ 17,780,938	\$ 13,866,339	\$ 17,388,130
Investments	40,147,048	37,525,124	34,478,780	32,902,513	33,272,295
Receivables:					
Fees and services, net of allowance for uncollectible accounts	27,929,949	25,771,130	24,508,993	26,884,759	27,021,238
Intergovernmental	411,421	683,514	604,840	1,031,803	1,726,949
Accrued interest receivable	870,547	664,697	352,443	290,539	217,446
Fuel cost under-recovery	4,056,112	-	-	-	-
Inventories	8,517,277	9,821,443	9,298,749	10,722,092	12,707,550
Prepays	662,650	749,246	1,039,157	1,237,627	818,732
Total unrestricted current assets	<u>94,017,409</u>	<u>83,940,200</u>	<u>88,063,900</u>	<u>86,935,672</u>	<u>93,152,340</u>
Current restricted assets:					
Cash and cash equivalents	9,000	9,000	7,133,368	3,741,927	1,686,638
Investments	40,847,170	36,006,623	147,966,425	145,626,918	120,925,178
Total restricted current assets	<u>40,856,170</u>	<u>36,015,623</u>	<u>155,099,793</u>	<u>149,368,845</u>	<u>122,611,816</u>
Total current assets	<u>134,873,579</u>	<u>119,955,823</u>	<u>243,163,693</u>	<u>236,304,517</u>	<u>215,764,156</u>
Non-current assets:					
Cash - restricted	1,087,112	1,210,893	-	-	-
Investments - restricted	120,433,786	120,013,425	-	-	-
Prepays	2,250,000	-	-	-	-
Contract Receivable	20,000,000	-	-	-	-
Capital assets, net of accumulated depreciation	616,997,331	637,087,106	634,289,707	641,099,073	644,891,122
Unamortized regulatory assets	2,026,118	2,233,891	2,443,254	2,532,550	3,028,289
Total non-current assets	<u>762,794,347</u>	<u>760,545,315</u>	<u>636,732,961</u>	<u>643,631,623</u>	<u>647,919,411</u>
Total assets	<u>\$ 897,667,926</u>	<u>\$ 880,501,138</u>	<u>\$ 879,896,654</u>	<u>\$ 879,936,140</u>	<u>\$ 863,683,567</u>
<b>Deferred Outflows of Resources</b>					
Deferred charge on refunding	17,711,381	19,064,475	19,852,284	20,993,617	17,362,665
Deferred charge - fuel cost under recovery	-	-	364,158	-	3,110,446
Deferred outflows related to pension	11,921,190	5,224,834	9,399,260	11,011,401	3,854,651
Deferred outflows related to OPEB	3,431,497	120,788	13,332	-	-
Total deferred outflows of resources	<u>33,064,068</u>	<u>24,410,097</u>	<u>29,629,034</u>	<u>32,005,018</u>	<u>24,327,762</u>
Total assets plus deferred outflows of resources	<u>\$ 930,731,994</u>	<u>\$ 904,911,235</u>	<u>\$ 909,525,688</u>	<u>\$ 911,941,158</u>	<u>\$ 888,011,329</u>

continued



**BALANCE SHEETS - Continued**  
**September 30 - Audited**

<b>Liabilities</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>
Current liabilities:					
Accounts payable	\$ 20,334,034	\$ 17,931,703	\$ 16,201,137	\$ 16,229,882	\$ 17,591,319
Accrued vacation and sick leave	6,925,511	7,063,301	6,830,450	6,140,311	6,008,007
Due to primary government	4,310,490	3,276,018	3,104,705	2,748,853	2,772,669
Self insurance worker's compensation claims	335,374	116,232	122,571	90,870	143,657
Total unrestricted current liabilities	<u>31,905,409</u>	<u>28,387,254</u>	<u>26,258,863</u>	<u>25,209,916</u>	<u>26,515,652</u>
Current liabilities payable from restricted assets:					
Accounts payable and accrued liabilities	-	-	343,629	503,649	358,434
Accrued interest	1,043,882	1,086,109	1,124,920	1,169,743	1,262,928
Customer deposits	4,788,307	4,520,226	4,013,140	3,863,989	3,763,074
Current portion of revenue bonds payable	15,980,000	15,295,000	14,806,000	14,239,000	13,453,000
Commercial paper	<u>37,500,000</u>	<u>20,000,000</u>	<u>14,000,000</u>	<u>7,000,000</u>	<u>-</u>
Total current liabilities payable from restricted assets	<u>59,312,189</u>	<u>40,901,335</u>	<u>34,287,689</u>	<u>26,776,381</u>	<u>18,837,436</u>
Total current liabilities	<u>91,217,598</u>	<u>69,288,589</u>	<u>60,546,552</u>	<u>51,986,297</u>	<u>45,353,088</u>
Non-current liabilities:					
Revenue bonds payable net of unamortized premium and deferred refunding	279,325,462	297,585,319	314,612,871	331,348,392	342,796,806
Other post-employment benefits	27,443,626	22,305,496	21,776,739	8,674,722	7,866,350
Net pension liability	38,520,098	25,431,824	34,632,949	33,941,014	13,816,408
Self insurance worker's compensation claims	<u>23,701</u>	<u>51,556</u>	<u>17,113</u>	<u>42,425</u>	<u>69,077</u>
Total non-current liabilities	<u>345,312,887</u>	<u>345,374,195</u>	<u>371,039,672</u>	<u>374,006,553</u>	<u>364,548,641</u>
Total liabilities	<u>436,530,485</u>	<u>414,662,784</u>	<u>431,586,224</u>	<u>425,992,850</u>	<u>409,901,729</u>
<b>Deferred Inflows of Resources</b>					
Deferred credit – fuel cost over recovery	-	218,812	-	303,078	-
Deferred inflows - other	22,250,000	-	-	-	-
Deferred inflows related to pension	1,260,951	5,518,625	1,676,487	2,383,320	2,009,154
Deferred inflows related to OPEB	866,931	981,517	-	-	-
Total deferred inflows of resources	<u>24,377,882</u>	<u>6,718,954</u>	<u>1,676,487</u>	<u>2,686,398</u>	<u>2,009,154</u>
Total liability plus deferred inflows of resources	<u>460,908,367</u>	<u>421,381,738</u>	<u>433,262,711</u>	<u>428,679,248</u>	<u>411,910,883</u>
<b>Net position</b>					
Net investment in capital assets	301,903,252	323,271,263	311,666,705	310,655,228	308,013,036
Restricted	154,411,120	149,427,826	149,407,127	143,796,243	117,120,117
Unrestricted	<u>13,509,255</u>	<u>10,830,408</u>	<u>15,189,145</u>	<u>28,810,439</u>	<u>50,967,293</u>
Total net position	<u>469,823,627</u>	<u>483,529,497</u>	<u>476,262,977</u>	<u>483,261,910</u>	<u>476,100,446</u>
Total liabilities and net position	<u>\$ 930,731,994</u>	<u>\$ 904,911,235</u>	<u>\$ 909,525,688</u>	<u>\$ 911,941,158</u>	<u>\$ 888,011,329</u>



**FINANCIAL TRENDS**  
**STATEMENTS OF REVENUES, EXPENSES, AND CHANGES IN NET POSITION**  
**LAST TEN FISCAL YEARS**

	2019	2018	2017	2016	2015	2014	2013 Restated	2012	2011	2010
Operating revenues:										
Sales and services charges	232,301,197	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
Less utilities service to the City of Brownsville, Texas	(4,488,098)	(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)
Total operating revenues	227,813,099	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
Operating expenses:										
Purchased power and fuel	62,712,666	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
Personnel services	45,043,072	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
Materials and supplies	7,582,722	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
Repairs and maintenance	3,782,604	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
Contractual and other services	28,735,424	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
Rate Stabilization	21,500,000	25,900,000	24,200,000	10,525,000	-	-	-	-	-	-
Depreciation	48,889,835	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
Total operating expenses	218,246,323	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
Operating income	9,566,776	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
Nonoperating revenues (expenses):										
Investment and interest income	5,183,994	3,328,846	1,703,055	1,202,314	841,219	532,650	564,334	672,133	628,698	840,533
Operating grant revenues	-	-	25,000	-	-	-	-	(15,579,814)	(16,131,381)	(16,514,764)
Interest expense	(12,779,726)	(13,259,790)	(13,811,909)	(14,743,208)	(14,509,231)	(15,108,927)	(15,653,933)	-	-	-
Loss on disposition of capital assets	(927,013)	282,315	(3,356,511)	(1,019,326)	(3,577,605)	(1,028,494)	(116,447)	(1,417,327)	(359,218)	(140,401)
Other	2,069,896	1,251,543	39,543	457,298	1,598,769	1,212,924	(1,483,565)	(581,763)	(2,157,129)	11,086,396
Project abandonment	(9,341,284)	-	-	-	-	-	-	-	-	-
Payments to City of Brownsville	(11,878,222)	(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)
Net nonoperating revenues (expenses)	(27,672,355)	(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)
Income before capital contributions	(18,105,579)	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
Capital contributions	4,399,709	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
Change in net position	(13,705,870)	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
Net position, beginning 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
Prior Period Adjustment	-	-	(12,256,994)	-	(12,843,303)	-	-	-	-	-
Net position, beginning of year as restated	483,529,497	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
Net position, end of year	469,823,627	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



## **Revenue Capacity**

**These schedules contain information to help the reader assess the  
Brownsville PUB's local revenue source.**



**REVENUE CAPACITY**  
**AVERAGE NUMBER OF SERVICES BILLED BY UTILITY<sup>1</sup>**  
**LAST TEN YEARS**

FY	ELECTRIC	% CHANGE	WATER	% CHANGE	WASTEWATER	% CHANGE
2020	51,406	2.38%	52,331	1.73%	53,075	1.80%
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%



**REVENUE CAPACITY  
REVENUES BY UTILITY - LAST TEN YEARS**

	<b>FY 2019</b>	<b>FY 2018</b>	<b>FY 2017</b>	<b>FY 2016</b>	<b>FY 2015</b>
<b>ELECTRIC</b>					
Residential	\$ 72,375,771	\$ 73,026,444	\$ 71,288,035	\$ 63,681,205	\$ 64,980,210
Commercial	74,732,579	74,781,316	74,770,246	68,559,278	71,696,062
Municipal	3,527,745	3,579,766	3,630,779	3,846,235	4,035,358
Wholesale sales	22,575,496	11,067,351	9,348,488	16,397,987	12,182,728
Other	9,392,170	11,222,724	11,593,857	7,458,124	9,325,630
<i>Total Electric Operating Revenues</i>	<u>\$ 182,603,761</u>	<u>\$ 173,677,601</u>	<u>\$ 170,631,405</u>	<u>\$ 159,942,829</u>	<u>\$ 162,219,988</u>
<b>WATER</b>					
Inside city	\$ 23,472,024	\$ 24,048,925	\$ 23,879,301	\$ 21,796,229	\$ 20,340,255
Outside city	872,649	848,947	873,877	811,938	777,023
Municipal	632,528	643,536	668,247	624,615	514,875
Other	1,019,821	998,603	1,029,823	1,111,918	1,342,068
Southmost Regional Water Authority	489,743	490,392	480,808	466,928	447,797
<i>Total Water Operating Revenues</i>	<u>\$ 26,486,765</u>	<u>\$ 27,030,403</u>	<u>\$ 26,932,056</u>	<u>\$ 24,811,628</u>	<u>\$ 23,422,018</u>
<b>WASTEWATER</b>					
Residential	\$ 13,616,485	\$ 14,033,891	\$ 14,021,992	\$ 13,728,898	\$ 13,251,741
Commercial	7,236,716	7,129,594	7,141,687	6,949,099	6,841,017
Municipal	327,825	325,425	330,087	333,262	259,508
Outside city	1,501,463	1,416,201	1,258,935	1,208,890	1,181,106
Other	528,182	554,186	561,340	575,617	592,120
<i>Total Wastewater Operating Revenues</i>	<u>\$ 23,210,671</u>	<u>\$ 23,459,297</u>	<u>\$ 23,314,041</u>	<u>\$ 22,795,766</u>	<u>\$ 22,125,492</u>
<b>TOTAL SALES AND SERVICE CHARGES</b>	<u><u>\$ 232,301,197</u></u>	<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>

	<b>FY 2014</b>	<b>FY 2013</b>	<b>FY 2012</b>	<b>FY 2011</b>	<b>FY 2010</b>
<b>ELECTRIC</b>					
Residential	\$ 63,035,376	\$ 51,861,710	\$ 48,562,146	\$ 50,187,194	\$ 47,971,715
Commercial	68,505,305	59,576,916	54,952,907	55,235,857	55,336,855
Municipal	3,916,022	3,336,413	3,157,165	3,454,302	3,420,281
Wholesale sales	921,782	237,173	605,125	3,124,675	5,532,956
Other	9,792,100	8,925,031	16,626,285	15,491,119	7,008,117
<i>Total Electric Operating Revenues</i>	<u>\$ 146,170,585</u>	<u>\$ 123,937,243</u>	<u>\$ 123,903,628</u>	<u>\$ 127,493,147</u>	<u>\$ 119,269,924</u>
<b>WATER</b>					
Inside city	\$ 20,594,551	\$ 20,333,223	\$ 20,389,340	\$ 19,901,457	\$ 17,448,496
Outside city	766,496	735,224	699,401	675,821	581,350
Municipal	618,616	617,202	686,274	587,860	464,828
Other	1,162,867	1,054,328	1,032,247	1,140,972	971,331
Southmost Regional Water Authority	488,079	1,023,081	428,572	367,143	469,462
<i>Total Water Operating Revenues</i>	<u>\$ 23,630,609</u>	<u>\$ 23,763,058</u>	<u>\$ 23,235,834</u>	<u>\$ 22,673,253</u>	<u>\$ 19,935,467</u>
<b>WASTEWATER</b>					
Residential	\$ 13,578,070	\$ 14,135,642	\$ 14,128,726	\$ 13,858,701	\$ 12,002,652
Commercial	6,712,829	6,734,506	6,713,307	6,565,949	6,171,734
Municipal	304,992	320,569	384,562	236,123	184,228
Outside city	1,087,237	1,050,009	984,754	1,042,823	908,149
Other	577,059	505,472	448,444	490,847	396,032
<i>Total Wastewater Operating Revenues</i>	<u>\$ 22,260,187</u>	<u>\$ 22,746,198</u>	<u>\$ 22,659,793</u>	<u>\$ 22,194,443</u>	<u>\$ 19,662,795</u>
<b>TOTAL SALES AND SERVICES CHARGES</b>	<u><u>\$ 192,061,381</u></u>	<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>



**REVENUE CAPACITY**  
**UNIT SALES BY UTILITY - LAST TEN YEARS <sup>1</sup>**

	<b>FY 2019</b>	<b>FY 2018</b>	<b>FY 2017</b>	<b>FY 2016</b>	<b>FY 2015</b>
<b>ELECTRIC SERVICE (kWh)</b>					
Residential	574,129,413	588,862,015	578,938,532	564,931,382	551,304,652
Commercial Non-Demand	136,405,829	136,319,294	139,381,802	135,844,893	128,892,385
Municipal	38,460,445	39,237,875	39,785,043	39,500,507	38,995,522
Commercial Demand	538,476,727	552,028,532	560,113,317	557,349,627	554,994,514
Other	2,266,542	2,390,778	2,478,672	2,403,423	2,227,059
<i>Total Electric Unit Sales</i>	<u>1,289,738,956</u>	<u>1,318,838,494</u>	<u>1,320,697,366</u>	<u>1,300,029,832</u>	<u>1,276,414,132</u>
<b>WATER SERVICE - 1,000 GALLONS</b>					
Inside City	5,435,140	5,743,114	5,832,446	5,560,741	5,281,931
Outside City	151,259	158,189	157,297	155,104	148,956
Municipal	157,429	162,477	167,724	158,741	122,006
Other	552,631	588,476	525,154	465,077	461,178
<i>Total Water Unit Sales</i>	<u>6,296,459</u>	<u>6,652,256</u>	<u>6,682,621</u>	<u>6,339,663</u>	<u>6,014,071</u>
<b>WASTEWATER SERVICE - 1,000 GALLONS</b>					
Residential	2,592,457	2,745,874	2,804,793	2,709,033	2,554,154
Commercial	1,656,999	1,649,892	1,662,288	1,601,296	1,560,177
Municipal	76,897	76,447	77,545	78,448	58,998
Outside City	107,474	111,471	123,065	111,277	106,175
Other	-	-	-	-	-
<i>Total Wastewater Unit Sales</i>	<u>4,433,827</u>	<u>4,583,684</u>	<u>4,667,691</u>	<u>4,500,054</u>	<u>4,279,504</u>
	<b>FY 2014</b>	<b>FY 2013</b>	<b>FY 2012</b>	<b>FY 2011</b>	<b>FY 2010</b>
<b>ELECTRIC SERVICE</b>					
Residential	567,334,136	533,303,461	550,169,186	550,421,195	528,459,863
Commercial Non-Demand	132,918,707	134,939,048	136,833,986	136,117,506	131,502,719
Municipal	39,371,016	38,895,227	38,876,114	39,038,235	38,912,608
Commercial Demand	558,708,943	570,125,749	577,866,685	552,274,846	547,906,595
Other	2,226,006	2,232,972	2,234,448	2,188,674	2,183,004
<i>Total Electric Unit Sales</i>	<u>1,300,558,808</u>	<u>1,279,496,457</u>	<u>1,305,980,419</u>	<u>1,280,040,456</u>	<u>1,248,964,789</u>
<b>WATER SERVICE</b>					
Inside City	5,753,783	6,294,433	6,269,037	6,431,432	5,488,648
Outside City	155,398	161,450	150,957	159,187	138,846
Municipal	176,477	189,804	223,176	190,732	129,757
Other	506,676	555,452	582,502	576,616	524,299
<i>Total Water Unit Sales</i>	<u>6,592,334</u>	<u>7,201,139</u>	<u>7,225,672</u>	<u>7,357,967</u>	<u>6,281,550</u>
<b>WASTEWATER SERVICE</b>					
Residential	2,795,399	3,036,404	3,024,487	3,102,690	2,605,256
Commercial	1,604,591	1,677,306	1,659,010	1,703,770	1,597,067
Municipal	74,464	80,169	98,579	60,720	45,905
Outside City	118,228	122,924	118,546	125,817	107,481
Other	-	3,671	6,197	6,861	8,248
<i>Total Wastewater Unit Sales</i>	<u>4,592,682</u>	<u>4,920,474</u>	<u>4,906,819</u>	<u>4,999,858</u>	<u>4,363,957</u>

<sup>1</sup> Excludes Public Utilities Board's usage



**REVENUE CAPACITY  
TEN YEAR RATE ANALYSIS  
RESIDENTIAL RATES**

	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
<b>ELECTRIC <sup>1</sup></b>										
Customer Service Charge	\$ 6.94	\$ 6.94	\$ 6.94	\$ 6.94	\$ 6.49	\$ 6.01	\$ 5.62	\$ 5.25	\$ 3.53	\$ 3.53
Energy Charge										
First 500 kWh	0.0542	0.0542	0.0542	0.0542	0.05241	0.05022	0.04862	0.04708	0.04708	0.04708
Over 500 kWh	0.07688	0.07688	0.07688	0.07688	0.07058	0.06458	0.05964	0.05479	0.05152	0.04708
Fuel & Purchased Power	0.02952	0.02952	0.02952	0.02952	0.03401	0.04500	0.05096	0.04000	0.03200	0.04200
<b>WATER (Inside City) <sup>2</sup></b>										
0-3,000 gallons	1.98	1.98	1.98	1.98	1.87	1.80	1.73	1.63	1.63	1.55
4,000-9,000 gallons	2.19	2.19	2.19	2.19	2.07	1.99	1.91	1.80	1.80	1.71
10,000 to 16,000 gallons	2.7	2.7	2.7	2.7	2.55	2.45	2.36	2.23	2.23	2.12
Over 16,000 gallons	4.08	4.08	4.08	4.08	3.85	3.70	3.56	3.36	3.36	3.20
Customer Service Charge										
5/8x3/4 Water Meter Size	12.06	12.06	12.06	12.06	11.38	10.94	10.52	9.93	9.93	9.47
<b>WATER (Outside City) <sup>2</sup></b>										
0-3,000 gallons	2.97	2.97	2.97	2.97	2.81	2.70	2.68	2.65	2.65	2.52
4,000-9,000 gallons	3.29	3.29	3.29	3.29	3.11	2.98	2.95	2.93	2.93	2.79
10,000 to 16,000 gallons	4.05	4.05	4.05	4.05	3.83	3.68	3.10	3.05	3.05	2.90
Over 16,000 gallons	6.12	6.12	6.12	6.12	5.78	5.55	4.60	4.56	4.56	4.34
Customer Service Charge										
5/8 x 3/4 Water Meter Size	18.12	18.12	18.12	18.12	17.09	16.43	15.8	14.90	14.90	14.21
<b>SEWER (Inside City) <sup>3</sup></b>										
0-7,000 gallons	3.43	3.43	3.43	3.43	3.43	3.43	3.30	3.29	3.29	3.13
over 7,000 gallons	3.76	3.76	3.76	3.76	3.76	3.76	3.62	3.57	3.57	3.40
Customer Service Charge										
5/8 x 3/4 Water Meter Size	7.48	7.48	7.48	7.48	7.48	7.48	7.19	7.17	7.17	6.84
<b>SEWER (Outside City)</b>										
Rate per 1,000 gallons	\$ 5.65	\$ 5.65	\$ 5.65	\$ 5.65	\$ 5.65	\$ 5.65	\$ 5.43	\$ 5.36	\$ 5.36	\$ 5.10
Customer Service Charge										
5/8 x 3/4 Water Meter Size	11.22	11.22	11.22	11.22	11.22	11.22	10.79	10.75	10.75	10.26

<sup>1</sup> Electric rates were tiered effective fiscal year 2012.

<sup>2</sup> Water rates were tiered effective fiscal year 2006.

<sup>3</sup> Wastewater rates were tiered effective March 2007.

Note: The City Commission of the City of Brownsville, Texas is vested with the right to set utility rates.



## **Debt Capacity**

**These schedules present information to help the reader assess the Brownsville PUB's debt burden and its ability to issue additional debt in the future.**



**DEBT CAPACITY**  
**COMPUTATION OF DEBT SERVICE COVERAGE - LAST TEN YEARS<sup>1</sup>**

	FY 2019	FY 2018	FY 2017	FY 2016	FY 2015
OPERATING INCOME	\$29,644,124	\$44,488,073	\$46,967,688	\$33,093,794	\$41,883,847
ADD:					
Depreciation Expense	47,613,572	29,536,134	28,949,302	28,132,537	28,642,402
Investment & Other Income	4,954,356	3,194,311	1,639,117	1,163,964	815,942
LESS:					
Interest on Construction Funds	(857,976)	(404,545)	(178,972)	(193,527)	(128,019)
NET AVAILABLE INCOME	<u>\$81,354,076</u>	<u>\$76,813,973</u>	<u>\$77,377,135</u>	<u>\$62,196,768</u>	<u>\$71,214,172</u>
DEBT SERVICE:					
Revenue Bonds Payable Current	\$13,870,000	\$13,456,000	\$12,914,000	\$12,173,000	\$12,066,000
Total Interest Expense	11,453,972	12,171,696	12,808,172	13,747,956	13,538,613
Operating Reserve	-	-	-	-	-
Commercial Paper Interest Expense	442,758	167,579	55,636	17,902	13,671
Capital Improvement Charges	-	-	-	-	-
NET CASH DEBT SERVICE	<u>\$25,766,730</u>	<u>\$25,795,275</u>	<u>\$25,777,808</u>	<u>\$25,938,858</u>	<u>\$25,618,284</u>
DEBT SERVICE COVERAGE (TIMES)	3.16	2.98	3.00	2.40	2.78

	FY 2014	FY 2013	FY 2012	FY 2011	FY 2010
OPERATING INCOME	\$27,256,483	\$21,947,648	\$32,747,013	\$27,225,798	\$31,287,495
ADD:					
Depreciation Expense	27,544,181	26,503,185	22,739,173	27,407,627	24,695,565
Investment & Other Income	504,537	546,098	654,057	611,866	829,400
LESS:					
Interest on Construction Funds	(94,376)	(8,823)	(13,501)	(41,141)	(54,790)
NET AVAILABLE INCOME	<u>\$55,210,825</u>	<u>\$48,988,108</u>	<u>\$56,126,742</u>	<u>\$55,204,150</u>	<u>\$56,757,670</u>
DEBT SERVICE:					
Revenue Bonds Payable Current	\$10,100,000	\$8,649,000	\$8,277,000	\$7,856,000	\$7,530,000
Total Interest Expense	14,275,285	15,310,103	14,399,174	14,829,065	15,186,316
Operating Reserve	-	-	-	-	-
Commercial Paper Interest Expense	5,929	14,356	39,891	36,668	34,755
Capital Improvement Charges	-	-	-	-	-
NET CASH DEBT SERVICE	<u>\$24,381,214</u>	<u>\$23,973,459</u>	<u>\$22,716,065</u>	<u>\$22,721,733</u>	<u>\$22,751,071</u>
DEBT SERVICE COVERAGE (TIMES)	2.26	2.04	2.47	2.43	2.49

<sup>1</sup>Excludes 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 <sup>(1)</sup></u>	<u>CAMERON COUNTY <sup>(2)</sup></u>
2017	185,349	423,181
2018	186,646	423,908
2019	186,646	423,908

<sup>(1)</sup> Estimate from US Census Bureau.

<sup>(2)</sup> 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	6553
2	Cameron County	Government	1780
3	University of Texas Rio Grande Valley	Higher Education	1830
4	City of Brownsville	Government	1215
5	Abundant Life Home Health	Medical Healthcare	1200
6	Caring For You Home Health	Medical Healthcare	1120
7	H-E-B Grocery <sup>1</sup>	Retail	1113
8	Wal-Mart <sup>2</sup>	Retail	818
9	Valley Baptist Medical Center	Medical Healthcare	841
10	Valley Regional Medical Center	Medical Healthcare	750

**Sources:**

<sup>1</sup> Fy 2019 HEB corporate office unwilling to disclose updated employee count

<sup>2</sup> Fy 2019 estimate based on Texas average number of employees per store

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
2019	186,646	15,495	2,892,080	30.3	64.3%-High School 18.9%-Bachelor's Degree	44,452	5.80%
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%

\*Population Estimates U.S. Census Bureau

**SOURCES:**

Brownsville Independent School District  
U.S. Census Bureau  
U.S. Bureau of Economic Analysis



## **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

## OPERATING INFORMATION EXPENSES BY UTILITY - LAST TEN YEARS

	FY 2019	FY 2018	FY 2017	FY 2016	FY 2015
<b>ELECTRIC</b>					
Generation and Purchases for Resale	\$ 74,796,747	\$ 74,337,732	\$ 70,496,415	\$ 63,120,545	\$ 72,523,667
Transmission and Distribution	7,382,752	7,130,981	6,965,840	6,912,082	6,499,004
Administrative and General	32,546,901	28,859,842	29,431,623	34,583,521	21,524,432
Rate Stabilization	21,500,000	25,900,000	24,200,000	10,525,000	-
Depreciation	33,556,217	15,978,408	15,986,715	15,069,917	14,887,881
Total Electric Operating Expenses	<u>\$ 169,782,617</u>	<u>\$ 152,206,963</u>	<u>\$ 147,080,593</u>	<u>\$ 130,211,065</u>	<u>\$ 115,434,984</u>
<b>WATER</b>					
Plant Operations	\$ 5,222,708	\$ 5,782,746	\$ 4,427,577	\$ 5,129,025	\$ 5,581,020
Transmission and Distribution	3,324,018	3,416,818	3,260,832	3,082,104	2,901,226
Administrative and General	6,507,019	6,411,935	6,126,023	7,250,855	5,141,431
Depreciation	5,111,179	5,039,447	4,894,699	5,116,669	5,622,967
Total Water Operating Expenses	<u>\$ 20,164,924</u>	<u>\$ 20,650,946</u>	<u>\$ 18,709,131</u>	<u>\$ 20,578,653</u>	<u>\$ 19,246,644</u>
<b>WASTEWATER</b>					
Plant Operations	\$ 7,210,932	\$ 6,774,909	\$ 6,530,394	\$ 6,526,539	\$ 6,417,406
Transmission and Distribution	830,075	808,444	772,747	837,287	1,160,632
Administrative and General	6,594,912	6,049,418	6,051,881	7,667,223	5,502,973
Depreciation	8,946,176	8,518,279	8,067,888	7,945,949	8,131,553
Total Wastewater Operating Expenses	<u>\$ 23,582,095</u>	<u>\$ 22,151,050</u>	<u>\$ 21,422,910</u>	<u>\$ 22,976,998</u>	<u>\$ 21,212,564</u>
<b>SOUTHMOST REGIONAL WATER AUTHORITY</b>					
Administration and General	\$ 3,440,425	\$ 3,572,989	\$ 3,351,035	\$ 3,489,520	\$ 3,123,518
Depreciation	1,276,262	1,250,362	1,244,517	931,124	864,865
Total SRWA Operating Expenses	<u>\$ 4,716,687</u>	<u>\$ 4,823,351</u>	<u>\$ 4,595,552</u>	<u>\$ 4,420,644</u>	<u>\$ 3,988,383</u>
<b>TOTAL OPERATING EXPENSES</b>	<u>\$ 218,246,323</u>	<u>\$ 199,832,310</u>	<u>\$ 191,808,186</u>	<u>\$ 178,187,360</u>	<u>\$ 159,882,575</u>
<b>OTHER NONOPERATING REVENUES (EXPENSES)<sup>1</sup></b>	<u>\$ (15,794,133)</u>	<u>\$ (8,397,086)</u>	<u>\$ (15,400,823)</u>	<u>\$ (14,102,922)</u>	<u>\$ (15,646,848)</u>

<sup>1</sup> Excludes payments to City of Brownsville



OPERATING INFORMATION  
EXPENSES BY UTILITY - LAST TEN YEARS (continued)

	FY 2014	FY 2013	FY 2012	FY 2011	FY 2010
<b>ELECTRIC</b>					
Generation and Purchases for Resale	\$ 73,010,092	\$ 58,343,217	\$ 54,353,235	\$ 60,519,100	\$ 64,165,188
Transmission and Distribution	6,284,873	6,305,706	6,347,120	5,464,375	4,624,680
Administrative and General	20,437,763	20,656,916	18,697,201	16,918,463	16,366,264
Rate Stabilization	-	-	-	-	-
Depreciation	14,768,870	14,793,412	13,373,507	16,331,733	14,662,285
Total Electric Operating Expenses	<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>
<b>WATER</b>					
Plant Operations	\$ 6,397,130	\$ 5,649,170	\$ 4,993,739	\$ 4,707,258	\$ 3,432,591
Transmission and Distribution	2,743,060	2,565,614	2,514,676	2,655,300	2,426,368
Administrative and General	5,325,225	4,748,131	4,081,484	3,961,827	3,875,983
Depreciation	5,543,534	5,345,962	3,766,336	3,941,128	4,286,330
Total Water Operating Expenses	<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>
<b>WASTEWATER</b>					
Plant Operations	\$ 6,656,181	\$ 6,138,037	\$ 5,967,684	\$ 6,117,905	\$ 5,539,157
Transmission and Distribution	920,364	764,006	804,846	967,001	1,382,386
Administrative and General	5,431,148	5,171,407	4,696,229	4,703,383	4,536,291
Depreciation	7,231,777	6,363,811	5,599,330	7,134,766	5,746,950
Total Wastewater Operating Expenses	<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>
<b>SOUTHMOST REGIONAL WATER AUTHORITY</b>					
Administration and General	\$ 2,775,244	\$ 2,970,231	\$ 2,587,656	\$ 2,437,963	\$ 2,322,669
Depreciation	864,865	862,860	862,649	862,355	859,740
Total SRWA Operating Expenses	<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>
<b>TOTAL OPERATING EXPENSES</b>	<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>
<b>OTHER NONOPERATING REVENUES (EXPENSES)</b>	<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>

<sup>1</sup> Excludes payments to City of Brownsville



**OPERATING INFORMATION**  
**ELECTRIC ENERGY SOURCES, WATER AND WASTEWATER STATISTICS**  
**LAST TEN YEARS**

	FY 2020	FY 2019	FY 2018	FY 2017	FY 2016
<b>SOURCES OF ENERGY (kWh)</b>					
Total Net Energy Generated	1,231,824,938	1,350,866,264	1,224,415,215	1,202,079,235	1,231,840,523
Total Energy Purchased	336,912,190	186,542,500	295,731,900	328,964,400	428,953,100
<b>TOTAL SOURCES OF ENERGY</b>	<b>1,568,737,128</b>	<b>1,537,408,764</b>	<b>1,520,147,115</b>	<b>1,531,043,635</b>	<b>1,660,793,623</b>
Less: System Losses and Inadvertent Energy (kWh)	(29,241,337)	(25,542,731)	(27,039,952)	(24,589,310)	(22,449,897)
Net Available for Sale (kWh)	1,539,495,791	1,511,866,033	1,493,107,163	1,506,454,325	1,638,343,726
Sales for Resale (kWh)	(264,564,600)	(204,155,127)	(159,885,557)	(177,000,430)	(316,499,025)
<b>NET ENERGY FOR LOAD</b>	<b>1,274,931,191</b>	<b>1,307,710,906</b>	<b>1,333,221,606</b>	<b>1,329,453,895</b>	<b>1,321,844,701</b>
<b>WATER STATISTICS</b>					
<b>Water Production - 1,000 Gallons</b>					
Raw Water Treated	5,298,583	5,318,507	5,874,579	5,579,560	5,301,156
Raw Water Used in Plant	(244,219)	(265,051)	(207,020)	(119,670)	(160,738)
<b>Surface Water Treated</b>	<b>5,054,364</b>	<b>5,053,456</b>	<b>5,667,559</b>	<b>5,459,890</b>	<b>5,140,418</b>
SRWA (Purchased Water)*	2,537,831	2,482,556	2,495,123	2,440,611	2,317,634
<b>Water Pumped to City</b>	<b>7,592,195</b>	<b>7,536,012</b>	<b>8,162,682</b>	<b>7,900,501</b>	<b>7,458,052</b>
Water Sales	6,757,580	6,334,790	6,695,462	6,732,120	6,392,340
Other Unmetered Usage	114,398	255,969	165,736	155,286	130,685
Losses and Unaccounted for Gallonage	717,460	945,253	1,301,484	1,013,095	935,027
<b>Thousand Gallons to System</b>	<b>7,589,438</b>	<b>7,536,012</b>	<b>8,162,682</b>	<b>7,900,501</b>	<b>7,458,052</b>
<b>Unaccounted For</b>	<b>9.50%</b>	<b>12.54%</b>	<b>15.94%</b>	<b>12.82%</b>	<b>12.54%</b>
Average Daily Consumption	20,725	20,627	22,341	18,444	17,465
Peak Maximum Demand (MG)	27	27	30	34	29
Date	7/20/2020	8/21/2019	8/20/2018	5/23/2017	8/10/2016
<b>WASTEWATER STATISTICS</b>					
Annual Demand (1,000 Gals.)	5,240,443	5,269,519	5,300,889	5,370,043	5,580,261
Maximum Day (MG)	36.5	29.8	34.8	21.2	32.6

\* FY 2011 through FY 2020 Water Production includes Southmost Regional Water Authority Production.



**OPERATING INFORMATION**  
**ELECTRIC ENERGY SOURCES, WATER AND WASTEWATER STATISTICS**  
**LAST TEN YEARS (continued)**

	FY 2015	FY 2014	FY 2013	FY 2012	FY 2011
<b>SOURCES OF ENERGY (kWh)</b>					
Total Net Energy Generated	806,397,153	921,011,194	924,212,443	830,108,370	1,353,750,565
Total Energy Purchased	690,167,500	578,306,000	508,341,700	704,742,700	429,383,640
<b>TOTAL SOURCES OF ENERGY</b>	1,496,564,653	1,499,317,194	1,432,554,143	1,534,851,070	1,783,134,205
Less: System Losses and Inadvertent Energy (kWh)	(25,996,837)	(27,903,614)	(27,070,226)	-	-
Net Available for Sale (kWh)	1,470,567,816	1,471,413,580	1,405,483,917	1,534,851,070	1,783,134,205
Sales for Resale (kWh)	(29,993,800)	(12,239,700)	(5,915,000)	(48,313,210)	(245,366,425)
<b>NET ENERGY FOR LOAD</b>	1,440,574,016	1,459,173,880	1,399,568,917	1,486,537,860	1,537,767,779
<b>WATER STATISTICS</b>					
<b>Water Production - 1,000 Gallons</b>					
Raw Water Treated	5,216,966	5,888,490	6,611,306	6,742,810	7,502,790
Raw Water Used in Plant	(235,716)	(54,450)	(398,363)	(515,470)	(791,199)
<b>Surface Water Treated</b>	4,981,250	5,834,040	6,212,943	6,227,340	6,711,591
SRWA (Purchased Water)*	2,092,497	1,816,125	1,963,421	2,025,507	1,929,481
<b>Water Pumped to City</b>	7,073,747	7,650,165	8,176,364	8,252,847	8,641,072
Water Sales	6,055,349	6,636,736	7,251,194	7,259,778	7,417,175
Other Unmetered Usage	89,772	208,500	227,400	98,519	68,577
Losses and Unaccounted for Gallonage	928,626	804,929	697,770	894,550	1,155,320
<b>Thousand Gallons to System</b>	7,073,747	7,650,165	8,176,364	8,252,847	8,641,072
<b>Unaccounted For</b>	13.13%	10.52%	11.32%	10.84%	13.37%
Average Daily Consumption	22,253	21,078	22,334	22,541	23,674
Peak Maximum Demand (MG)	27	29	30	29	30
Date	8/11/2015	8/21/2014	7/3/2013	6/18/2012	6/17/2011
<b>WASTEWATER STATISTICS</b>					
Annual Demand (1,000 Gals.)	5,916,884	5,047,953	4,799,312	4,885,625	4,992,236
Maximum Day (MG)	36.2	32.2	29.1	25.9	32.6

\* FY 2011 through FY 2020 Water Production includes Southmost Regional Water Authority Production.





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

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