

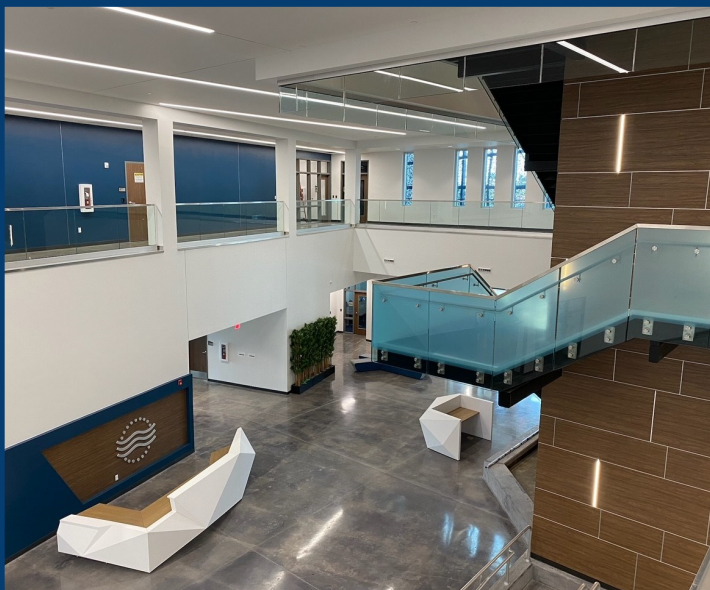


BROWNSVILLE  
PUBLIC UTILITIES BOARD

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# Annual Budget Report

October 1, 2021- September 30, 2022



# **Brownsville Public Utilities Board**

A Component Unit of the City of Brownsville, Texas

## **ANNUAL BUDGET REPORT**

October 1, 2021 - September 30, 2022

Prepared by  
Finance Department

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# ***OVERVIEW***





## BOARD OF DIRECTORS

As of October 1, 2021

Jude A. Benavides, Ph.D.	Chair
Sandra Saenz	Vice-Chair
Sandra Lopez-Langley	Secretary/Treasurer
Anna E. Oquin	Member
Patricio Sampayo	Member
Arturo Rendon	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
Miguel A. Perez	Chief Financial Officer

## CITY OF BROWNSVILLE, TEXAS

City Hall/Market Square

P.O. Box 911

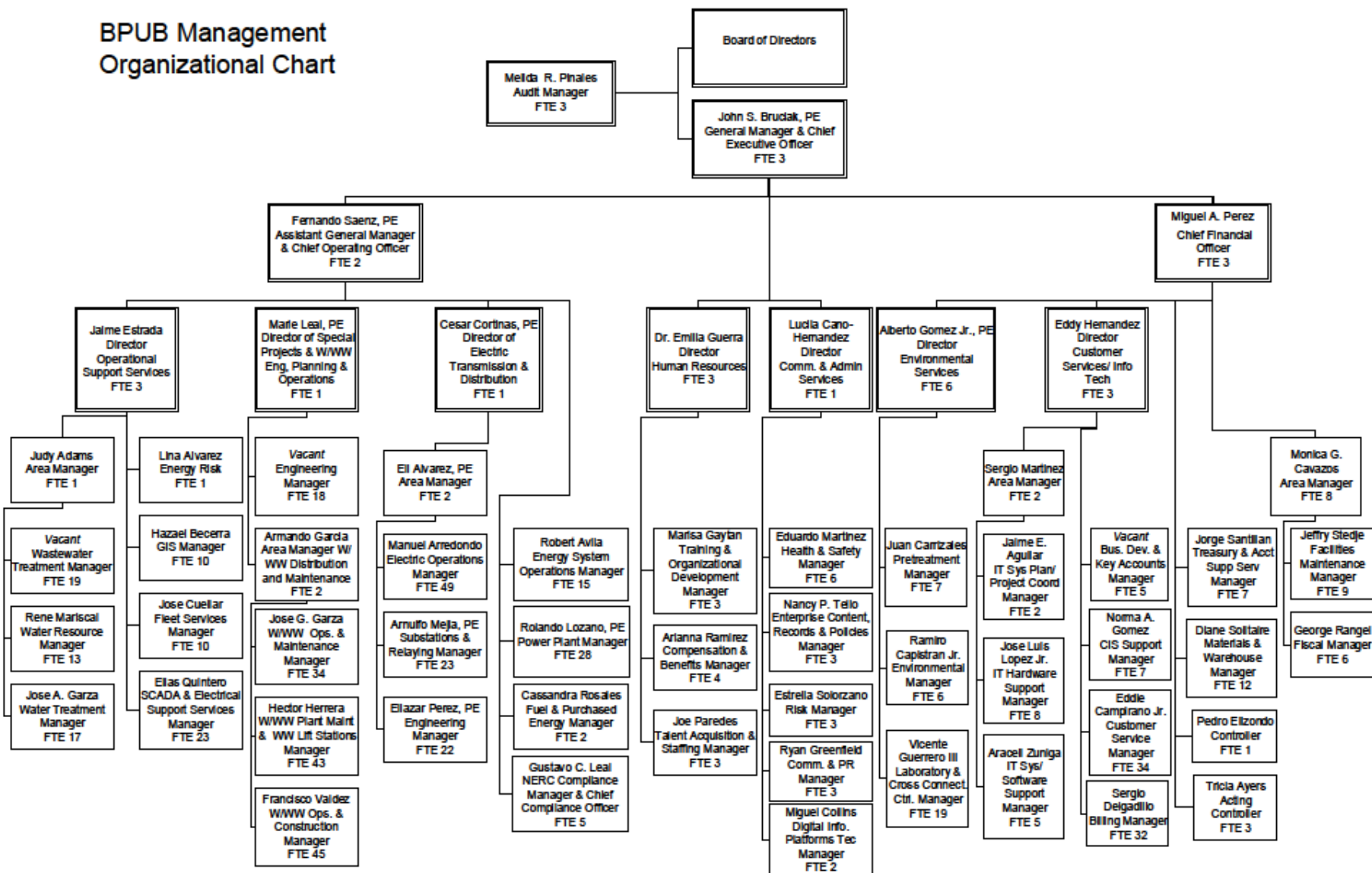
Brownsville, Texas 78520

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
Roy De los Santos	Commissioner, District 3
Pedro Cardenas	Commissioner, District 4

# BPUB Management Organizational Chart



# General Manager & Chief Executive Officer

**John S. Bruciak, P.E.**

**Assistant General Manager  
& Chief Operating Officer**

Fernando Saenz, P.E.

**Chief Financial Officer**

Miguel A. Perez

**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 2018	FY 2019	FY 2020	FY 2021	FY 2022	Change from FY 2021 to FY 2022
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	1	-1
1135	Communications & Public Relations	4	4	4	3	3	0
1140	Training and Organizational Develop	3	3	3	2	3	1
1165	Records Management	3	3	3	3	3	0
1170	Digital Information Platforms	0	0	0	1	2	1
1440	Health & Safety	6	6	4	4	4	0
7120	Risk/Insurance Management	2	2	3	3	3	0
7140	Human Resources	2	2	3	3	3	0
7145	Talent Acquisition and Staffing	4	4	3	3	3	0
7155	Compensation & Benefits	4	4	4	5	4	-1
7165	Security Operations	0	0	2	2	2	0
	TOTAL	36	36	37	37	37	0

**Note:**

Changes in personnel counts from FY 2021 to FY 2022 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 2018	FY 2019	FY 2020	FY 2021	FY 2022	Change from FY 2021 to FY 2022
1145	Electrical Systems	3	3	3	4	3	-1
2120	Substations & Relaying	24	24	23	23	23	0
2130	Elec. T&D Construction & Maintenance	28	50	50	50	49	-1
2140	Elec. T&D Maintenance	22	0	0	0	0	0
2150	Energy Control Center Operations	15	15	15	15	15	0
2210	SCADA & Elec. Support Services	22	23	23	23	23	0
2220	Power Production	27	27	27	27	28	1
2310	Electric Meter Shop	8	8	8	8	8	0
2410	Electric Engineering	14	13	13	12	14	2
3110	W/WW Eng. Planning & Operations	2	2	3	3	2	-1
3120	Water Plant I	10	10	10	9	10	1
3130	Water Plant II	8	8	8	8	7	-1
3135	Resaca Maintenance	9	9	9	9	9	0
3140	Raw Water Supply	4	4	4	4	4	0
3145	W/WW Plant Maintenance	13	13	12	12	12	0
3150	W/WW Operations & Construction	67	67	70	45	45	0
3155	W/WW Operations & Maintenance	0	0	0	34	34	0
3160	Potable Water Transport Services	0	0	0	3	2	-1
3210	South WW Treatment Plant	10	8	9	8	9	1
3220	Robindale WW Treatment Plant	17	11	10	11	10	-1
3225	W/WW Sludge Management	0	8	8	8	9	1
3230	Wastewater Lift Stations	34	34	32	20	20	0
3310	W/WW Engineering	16	16	17	17	18	1
4105	Operations	2	2	3	3	3	0
4110	Energy Risk Management	1	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	2	2	2	2	2	0
4310	Operational Support Services	4	4	4	5	4	-1
7135	Geographic Information Systems	10	10	10	10	10	0
7150	Fleet Management	10	10	10	10	10	0
	<b>TOTAL</b>	<b>387</b>	<b>387</b>	<b>389</b>	<b>389</b>	<b>389</b>	<b>0</b>

**Note:**

Changes in personnel counts from FY 2021 to FY 2022 are due to interdepartmental transfers.

# Chief Financial Officer

**Miguel A. Perez**

**Customer &  
Information Services**

Eddy Hernandez  
*Director*

**Environmental Services**

Alberto Gomez  
*Director*

**Accounting**

Pedro Elizondo  
*Controller*  
  
Tricia Ayers  
*Acting Controller*

**Finance**

Monica Garza Cavazos  
*Area Manager*

**Purchasing/Warehouse**

Diane Solitaire  
*Manager*

**Treasury and Accounting  
Support Services**

Jorge Santillan  
*Treasury and Accounting  
Support Services Manager*

## Final Approved Positions

Department	Department Name	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Change from FY 2021 to FY 2022
1125	Key Account Marketing	4	4	4	4	4	0
1410	Environmental Services	5	5	6	6	6	0
1420	Environmental Compliance	6	6	6	5	6	1
1422	Analytical Lab	16	16	16	16	16	0
1430	Pre-treatment	8	8	7	8	7	-1
1435	Cross Connection Control	3	3	3	3	3	0
5110	Finance	7	7	9	9	10	1
5120	Accounting	16	17	17	17	15	-2
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	13	14	14	14	14	0
6115	Collections	4	4	4	4	4	0
6120	Billing	8	9	9	9	9	0
6125	Call Center	12	12	12	12	12	0
6130	Meter Services	10	9	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	14	14	14	14	14	0
6160	Cashiers	9	8	8	8	8	0
7130	Information Technology	18	17	17	17	17	0
7160	Facility Maintenance	4	4	4	4	4	0
7170	Warehouse	6	6	5	5	5	0
7175	Facility Maint-FM 511 Service Yard	0	0	4	4	4	0
7180	Facility Maintenance-Annex	0	0	0	0	1	1
9110	Company-wide Expenses	1	1	0	0	0	0
	<b>TOTAL</b>	<b>181</b>	<b>181</b>	<b>185</b>	<b>185</b>	<b>185</b>	<b>0</b>

**Note:**

Changes in personnel counts from FY 2021 to FY 2022 are due to interdepartmental transfers.



December 28, 2021

We are pleased to present the Fiscal Year 2022 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 \$224.39 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 2022 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 29, 2021.

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 in requested vs recommended amounts in order to balance the needs of all departments to the available funding levels.

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

- There are no scheduled rate changes used in building the revenue projections that the budget is based upon.
- Operating Subaccount – Fuel Adjustment: The approved budget includes \$16.0 million to serve as a customer bill reduction plan through the subsidization of a portion of the Fuel & Purchased Energy Charge.
- Pay As You Go (PAYGO) – CIP Funding: The approved budget includes \$7.4 million to fund Capital Improvement Projects with cash.
- The strategic use of short-term funding through the issuance of Commercial Paper (CP) notes to fund capital projects. Due to Winter Storm Uri the utility had to issue \$35 million in CP notes, against its \$100 million program, to cover extraordinary fuel expenses. Finance Staff along with our Financial Advisors and Bond Counsel are analyzing the optimal timing of converting these short-term notes to long-term debt based on market conditions.
- Internal market study salary adjustments for select departments and positions and a 5% COLA adjustment.

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

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## **FY 2022 BUDGET**

The Budget for FY 2022 is divided into six major sections:

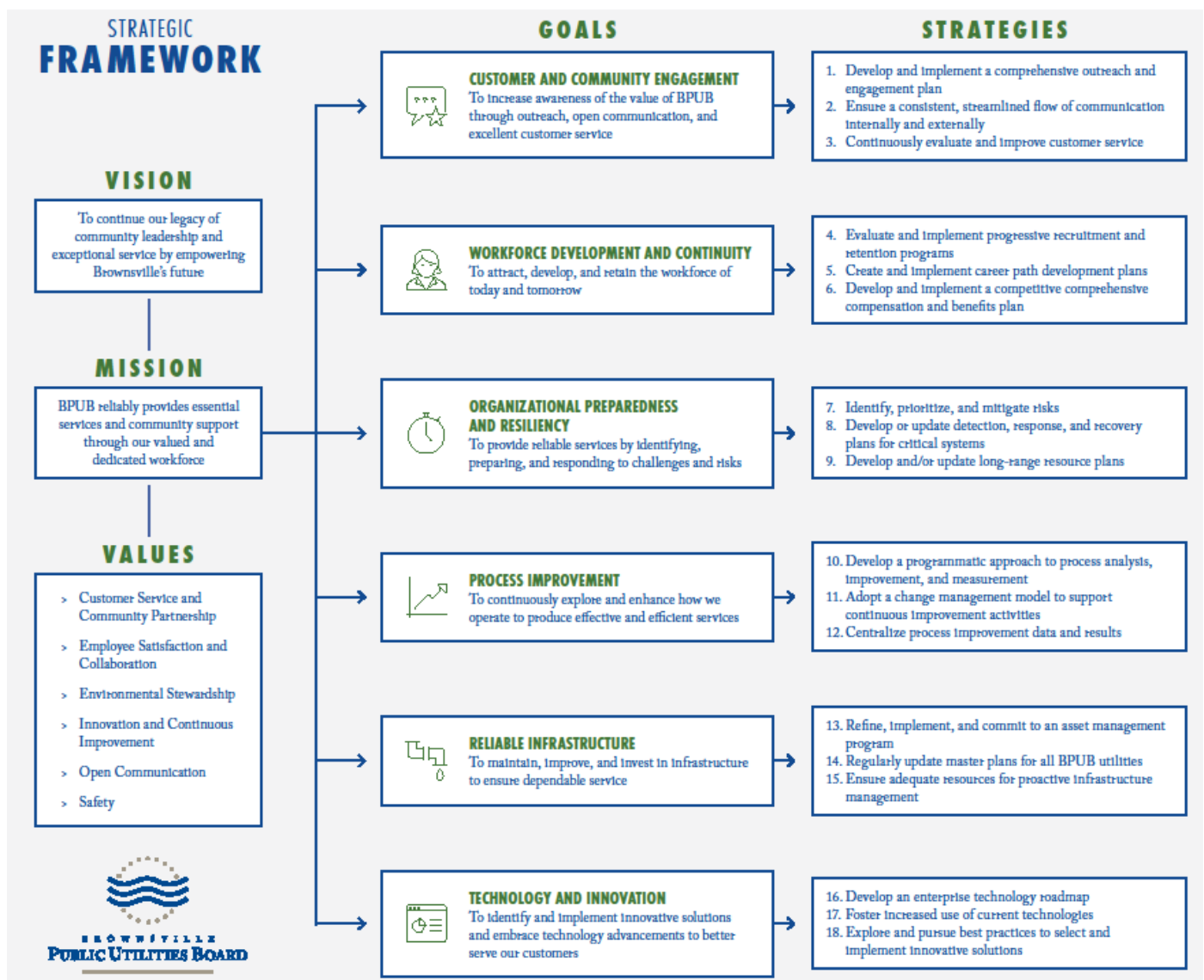
1. **OVERVIEW** – This section includes the following information:
  - a. Organizational Chart
  - b. Summary Letter
  - c. GFOA Distinguished Budget Presentation Award for FY Beginning 10/1/20
  - d. Budget Program
  - e. Budget Preparation Process & Procedures
  - f. Budget Preparation Calendar
  - g. Significant Financial Program Components
  - h. Total Combined Utility Requirements Chart
  - i. FY 2022 Uses of Funds Chart
  - j. FY 2022 Requirements as a Percent of Total Budget Chart
  - k. Budget Recap FY 2022 Revenues
  - l. FY 2022 Revenues - Utility Percent by Revenue Type Chart
  - m. O&M Expenses Recap by Type FY 2012 – FY 2022
  - n. O&M Expenses Recap by Account FY 2017 – FY 2022
  - o. O&M Expenses Recap by Department & Type – FY 2022
  - p. O&M Expenses Recap by Department FY 2017 – FY 2022
  - q. O&M Expenses Recap by Department FY 2022 Budget
  - r. FY 2022 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, with the assistance of a consultant, 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 2019-2024 Strategic Plan supports Brownsville PUB's legacy of community leadership and exceptional service.

Brownsville PUB's Strategic Plan promotes strategies regarding our customers and community, the workforce, processes improvement and reliable infrastructure in support of 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 goals and the strategies to accomplish these goals as identified in the Strategic Plan for implementation.



## **UNIT SALES**

Projected unit sales and revenues are based on five-year averages of historical data.

Projected unit sales are as follows:

	Budget FY 2021	UNAUDITED Year End FY 2021	Percent Difference	Approved FY 2022	Percent Difference FY 2022 vs UNAUDITED Year End FY 2021
Electric (kWh)	1,367,893,030	1,333,827,134	-2.49%	1,344,753,072	0.82%
Water (1,000 gallons)	6,536,609	6,740,690	3.12%	6,685,218	-0.82%
Wastewater (1,000 gallons)	4,528,112	4,680,563	3.37%	4,645,404	-0.75%

## **REVENUES**

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

	Budget FY 2021	UNAUDITED Year End FY 2021	Percent Difference	Approved FY 2022	Percent Difference FY 2022 vs UNAUDITED Year End FY 2021
Electric	\$ 151,519,729	\$ 269,538,781	77.89%	\$ 151,932,584	-43.63%
Water	25,713,195	25,876,348	0.63%	25,653,818	-0.86%
Wastewater	23,132,639	23,235,894	0.45%	23,836,200	2.58%
Total Sales Revenues	<u>\$ 200,365,562</u>	<u>\$ 318,651,023</u>	59.03%	<u>\$ 201,422,602</u>	-36.79%

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>

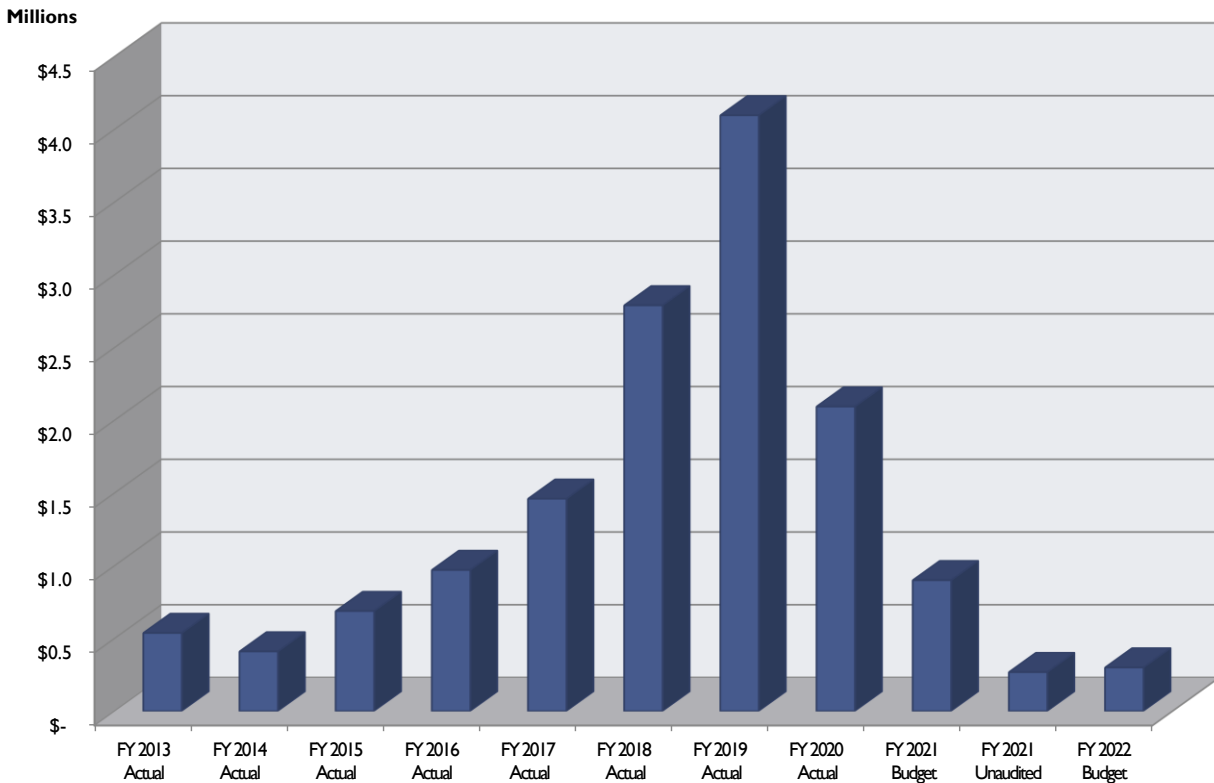
Projected electric unit sales in kilowatt hours are expected to increase in FY 2022 from FY 2021 unaudited Year-end by 0.82%. Comparing the approved FY 2022 vs approved FY 2021 sales revenue budget, electric base and fuel revenues are expected to increase by 0.27%. The unusually high unaudited FY 2021 electric revenues are a result of the Winter Storm Uri event in February 2021.

FY 2021 unaudited year-end water revenues were 0.63% higher than FY 2021 approved budget projections. Compared to budgeted water revenues for FY 2021, water revenues for FY 2022 are expected to decrease by 0.23%. Wastewater revenues will increase by 3.0% for FY 2022 approved budget compared to FY 2021 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 increase in FY 2022 vs actual unaudited FY 2021 and decrease vs budgeted FY 2021.

**Investment Income  
(Dollars in Millions)**



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

## RATES

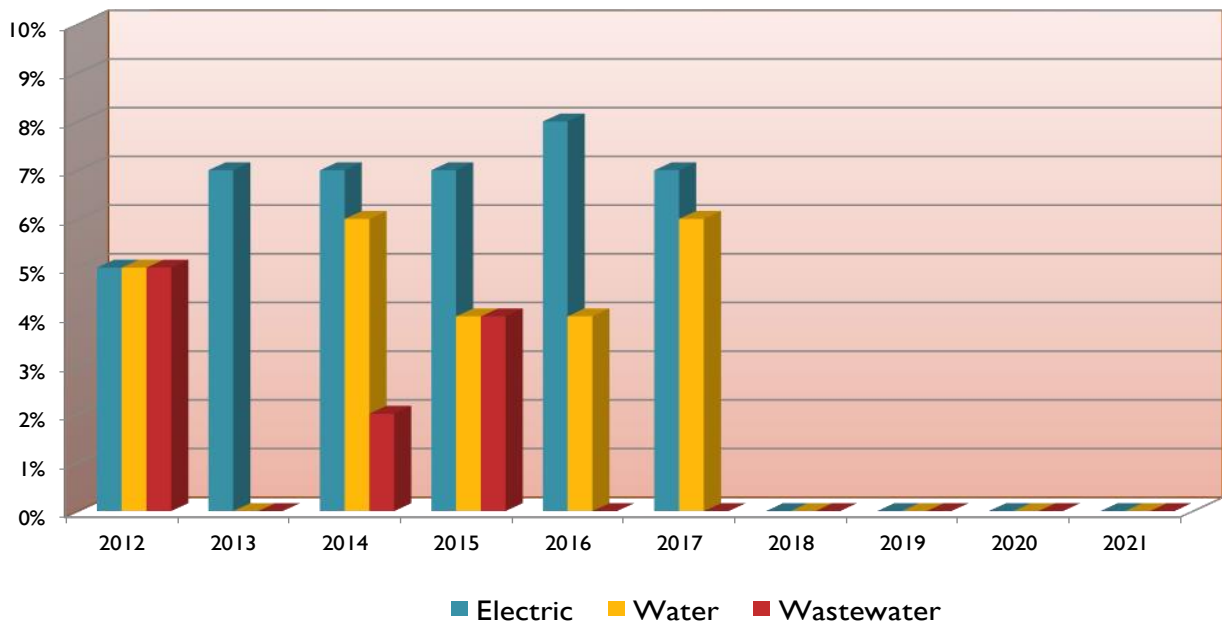
While affordability is always a concern, the rate increases implemented in previous years allow the Brownsville PUB to continue investing in core service areas including energy reliability, water quality and wastewater treatment services.

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 2019	September 2020	September 2021
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 2022 Personnel Budget includes twelve reclassified positions compared to the Original FY 2021 Budget. The reclassifications did not increase or decrease the total position count as approved in the FY 2021 Budget.

The following is a summary of FY 2021 changes:

### **POSITIONS APPROVED FOR FY 2021 BUDGET**

**611**

#### **FY 2021 Deletions:**

<b><u>Department</u></b>	<b><u>Department No.</u></b>	
Communications & Administrative Svc	1130	-1
Compensation & Benefits	7155	-1
Operational Support Services	4310	-1
Accounting	5120	-2
Electric Transmission and Distribution	1145	-1
Pre-treatment	1430	-1
Elec T&D Construction & Maintenance	2130	-1
W&WW Eng, Planning & Operations	3110	-1
Water Plant II	3130	-1
Potable Water Transport Services	3160	-1
Robindale Wastewater Treatment Plant	3220	-1
	Subtotal	<u>-12</u>

#### **FY 2021 Additions:**

<b><u>Department</u></b>	<b><u>Department No.</u></b>	
Digital Information Platforms	1170	1
Training and Organizational Development	1140	1
Power Production	2220	1
Facility Maintenance-Annex	7180	1
Finance	5110	1
Electric Engineering	2410	2
Environmental Compliance	1420	1
Water & Wastewater Engineering	3310	1
South Wastewater Treatment Plant	3210	1
W/WW Sludge Management	3225	1
Water Plant I	3120	1
	Subtotal	<u>12</u>

### **POSITIONS APPROVED FOR FY 2022 BUDGET**

**611**

The number of temporary full-time employees for FY 2022 is currently at 9 as illustrated on a separate schedule on page 24.

The approved Personnel Budget for FY 2021 totaled \$44,094,628, an increase of \$1,706,388 as compared to actual Personnel Budget expenses for FY 2020.

The approved Personnel Budget for FY 2022 totals \$47,086,263, an increase of \$2,991,635 or 6.78% from the Approved FY 2021 Personnel Budget.

## NUMBER OF FULL-TIME POSITIONS

DEPARTMENT	FINAL FY 2018	FINAL FY 2019	FINAL FY 2020	FINAL FY 2021	APPROVED FY 2022
1110 GENERAL MANAGER	3	3	3	3	3
1120 INTERNAL AUDIT	3	3	3	3	3
1125 KEY ACCOUNT MARKETING	4	4	4	4	4
1130 COMMUNICATIONS & ADMINISTRATIVE SVC	2	2	2	2	1
1135 COMMUNICATIONS & PUBLIC RELATIONS	4	4	4	3	3
1140 TRAINING AND ORGANIZATIONAL DEVELOP	3	3	3	2	3
1150 BOARD OF DIRECTORS	-	-	-	-	-
1165 RECORDS MANAGEMENT	3	3	3	3	3
1170 DIGITAL INFORMATION PLATFORMS	-	-	-	1	2
1410 ENVIRONMENTAL SERVICES	5	6	6	6	6
1440 HEALTH & SAFETY	6	6	4	4	4
4105 OPERATIONS	2	3	3	3	3
4115 ASSET MANAGEMENT	-	-	-	-	-
4310 OPERATIONAL SUPPORT SERVICES	2	3	3	4	3
5110 FINANCE	7	8	9	9	10
5120 ACCOUNTING	16	18	17	17	15
5130 PURCHASING	7	7	7	7	7
7120 RISK/INSURANCE MANAGEMENT	2	2	3	3	3
7130 INFORMATION TECHNOLOGY	18	17	17	17	17
7135 GIS	10	10	10	10	10
7140 HUMAN RESOURCES	2	3	3	3	3
7145 TALENT ACQUISITION AND STAFFING	4	3	3	3	3
7150 FLEET MANAGEMENT	10	10	10	10	10
7155 COMPENSATION & BENEFITS	4	4	4	5	4
7160 FACILITY MAINTENANCE	4	4	4	4	4
7165 SECURITY OPERATIONS	-	-	2	2	2
7170 WAREHOUSE	6	5	5	5	5
7175 FACILITY MAINTENANCE-FM511 SVC YARD	-	-	4	4	4
7180 FACILITY MAINTENANCE-ANNEX	-	-	-	-	1
9110 COMPANY-WIDE EXPENSES	-	-	-	-	-
<b>TOTAL ADMINISTRATIVE</b>	<b>127</b>	<b>131</b>	<b>136</b>	<b>137</b>	<b>136</b>
5140 REVENUE RECOVERY	3	3	3	3	3
6105 CUSTOMER & INFORMATION SERVICES	3	3	3	3	3
6110 CUSTOMER SERVICE	13	14	14	14	14
6115 COLLECTIONS	4	4	4	4	4
6120 BILLING	8	9	9	9	9
6125 CALL CENTER	12	12	12	12	12
6130 METER SERVICES	10	9	9	9	9
6135 CIS SUPPORT	3	3	3	3	3
6150 METER READING	14	14	14	14	14
6160 CASHIERS	9	8	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 2018	FINAL FY 2019	FINAL FY 2020	FINAL FY 2021	APPROVED FY 2022
1145 ELECT TRANSMISSION AND DISTRIBUTION	3	3	3	4	3
1420 ENVIRONMENTAL COMPLIANCE	6	6	6	5	6
2120 SUBSTATIONS AND RELAYING	24	23	23	23	23
2130 ELEC TRANS & DIST CONSTRUCTION & MAINTENANCE	28	50	50	50	49
2140 ELEC TRANS & DIST MAINTENANCE	22	-	-	-	-
2150 ENERGY CONTROL CENTER OPERATIONS	15	15	15	15	15
2210 SCADA & ELECTRICAL SUPPORT SERVICES	22	23	23	23	23
2220 POWER PRODUCTION	27	27	27	27	28
2310 ELECTRIC METER SHOP	8	8	8	8	8
2410 ELECTRIC ENGINEERING	14	13	13	12	14
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>178</b>	<b>177</b>	<b>177</b>	<b>176</b>	<b>178</b>
1422 ANALYTICAL LAB	16	16	16	16	16
1430 PRE-TREATMENT	8	7	7	8	7
1435 CROSS CONNECTION CONTROL	3	3	3	3	3
3110 W&WW ENG, PLANNING & OPERATIONS	2	2	3	3	2
3120 WATER PLANT I	10	10	10	9	10
3130 WATER PLANT II	8	8	8	8	7
3135 RESACA MAINTENANCE	9	9	9	9	9
3140 RAW WATER	4	4	4	4	4
3145 W/WW PLANT MAINTENANCE	13	12	12	12	12
3150 W/WW OPERATIONS & CONSTRUCTION	67	68	70	45	45
3155 W/WW OPERATIONS & MAINTENANCE	-	-	-	34	34
3160 POTABLE WATER TRANSPORT SERVICES	-	-	-	3	2
3210 SOUTH WASTEWATER TREAT PLANT	10	9	9	8	9
3220 ROBINDALE WASTEWATER TREAT PLANT	17	10	10	11	10
3225 W/WW SLUDGE MANAGEMENT	-	8	8	8	9
3230 WASTEWATER LIFT STATIONS	34	34	32	20	20
3310 WATER & WASTEWATER ENGINEERING	16	16	17	17	18
4310 OPERATIONAL SUPPORT SERVICES	2	1	1	1	1
9110 COMPANY-WIDE EXPENSES	1	-	-	-	-
<b>TOTAL WATER AND WASTEWATER</b>	<b>220</b>	<b>217</b>	<b>219</b>	<b>219</b>	<b>218</b>
<b>OVERALL TOTAL NO. OF POSITIONS</b>	<b>604</b>	<b>604</b>	<b>611</b>	<b>611</b>	<b>611</b>

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## NUMBER OF TEMPORARY FULL-TIME POSITIONS

DEPARTMENT	FINAL FY 2018	FINAL FY 2019	FINAL FY 2020	FINAL FY 2021	APPROVED FY 2022
1135 COMMUNICATIONS & PUBLIC RELATIONS	1	-	-	-	-
1165 RECORDS MANAGEMENT	-	1	1	-	-
1440 HEALTH & SAFETY	1	-	-	-	-
5120 ACCOUNTING	-	-	-	-	-
5130 PURCHASING	-	1	1	-	-
7120 RISK/INSURANCE MANAGEMENT	-	-	-	-	-
7130 INFORMATION TECHNOLOGY	-	2	2	1	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>7</b>	<b>7</b>	<b>3</b>	<b>1</b>
6115 COLLECTIONS	1	-	-	1	-
6135 CIS SUPPORT	-	1	1	1	1
6150 METER READING	1	1	1	-	3
6160 CASHIERS	-	-	-	-	-
<b>TOTAL CUSTOMER SERVICE</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>4</b>
2120 SUBSTATIONS AND RELAYING	-	2	2	1	-
2130 ELEC TRANS & DIST CONSTRUCTION & MAINTENANCE	-	-	-	1	2
2210 SCADA & ELECTRICAL SUPPORT SERVICES	-	-	-	1	-
2220 POWER PLANT	1	-	-	-	-
2410 ELECTRIC ENGINEERING	-	1	1	2	-
<b>TOTAL ELECTRIC</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>5</b>	<b>2</b>
1422 ANALYTICAL LAB	-	-	-	1	1
3135 RESACA MAINTENANCE	1	-	-	1	1
<b>TOTAL WATER AND WASTEWATER</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>2</b>	<b>2</b>
<b>OVERALL TOTAL NO. OF TEMPORARY POSITIONS</b>	<b>7</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>9</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.

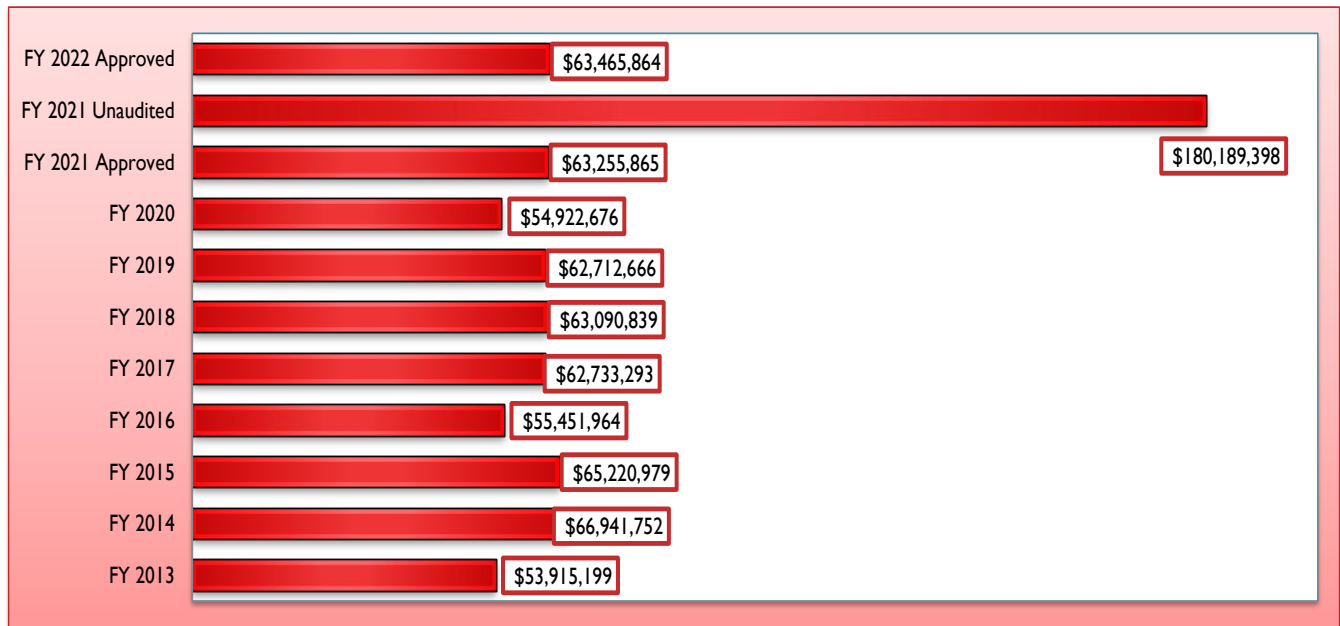
## OPERATIONS & MAINTENANCE EXPENSES

The total O&M Budget for FY 2022 is \$160,587,027, an increase of \$6,235,782 or 4.04% from the approved FY 2021 Budget.

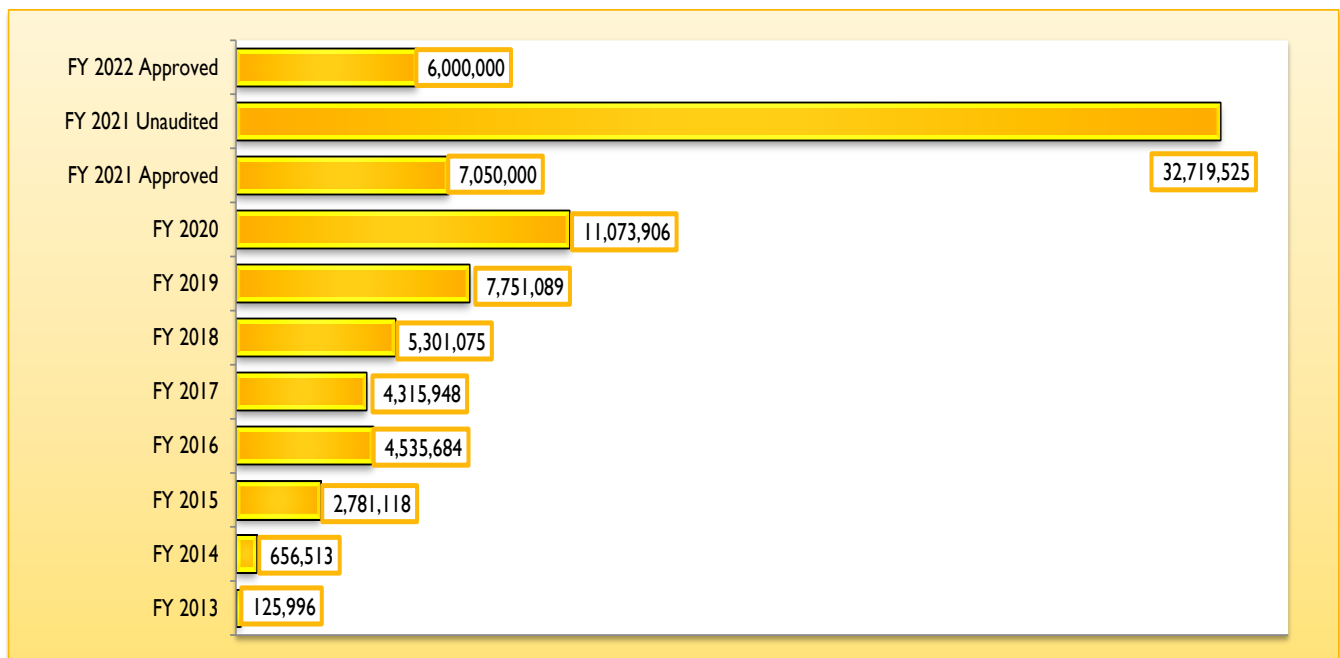
The following table summarizes O&M expenses by major classifications:

Expense Classification	Approved Budget FY 2021	Unaudited FY 2021	Percent Used: Unaudited '21 vs Approved Budget '21	Approved Budget FY 2022	Percent Budget Variance: Approved '22 vs Unaudited '21
Fuel & Energy Costs	\$ 63,255,865	\$ 180,189,398	284.86%	\$ 63,465,864	-64.78%
Off-system Sales Expenses	7,050,000	32,719,525	464.11%	6,000,000	-81.66%
SRWA Obligations	6,071,063	5,394,293	88.85%	6,115,872	13.38%
Personnel Services	44,094,628	40,617,779	92.12%	47,086,263	15.93%
Non-personnel Expenses	33,479,689	33,656,818	100.53%	37,519,028	11.48%
Maintenance Pool Account	400,000	212,595	53.15%	400,000	88.15%
Overall Total:	\$ 154,351,245	\$ 292,790,408	189.69%	\$ 160,587,027	-45.15%

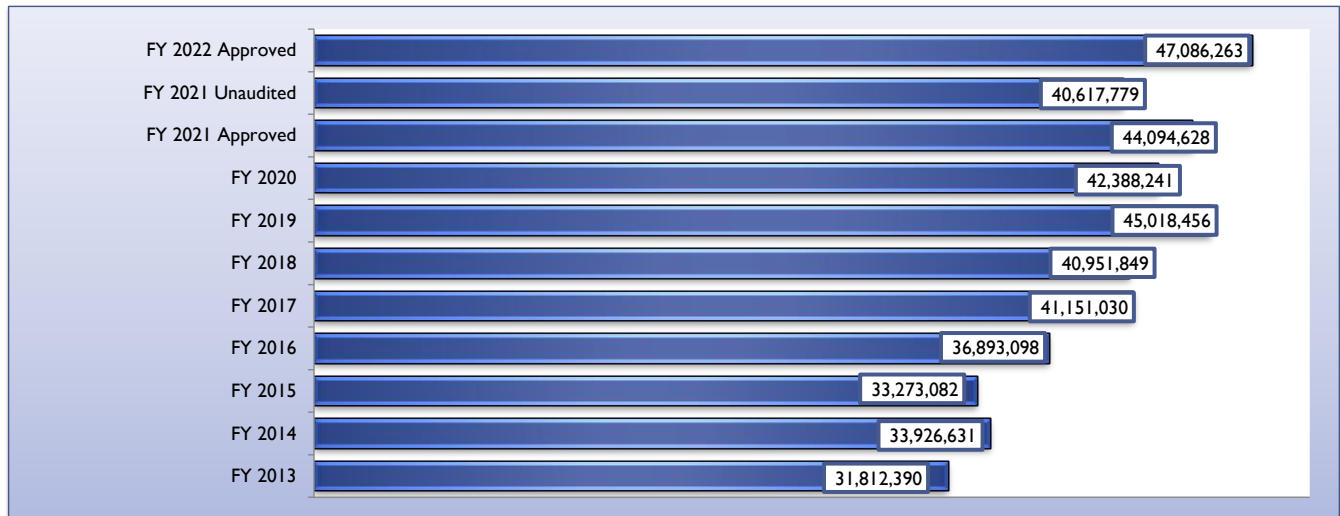
The following chart illustrates the cost of fuel and purchased energy to meet electric demand over the last several years. In FY 2013, Brownsville PUB had a total cost of \$53.92 million. The Approved FY 2022 Fuel & Energy Cost Budget is \$63.47 million. The 10-year history reflects an average increase of 1.77% per fiscal year. The unusually high costs in FY 2021 are a result of the Winter Storm Uri event in February 2021.



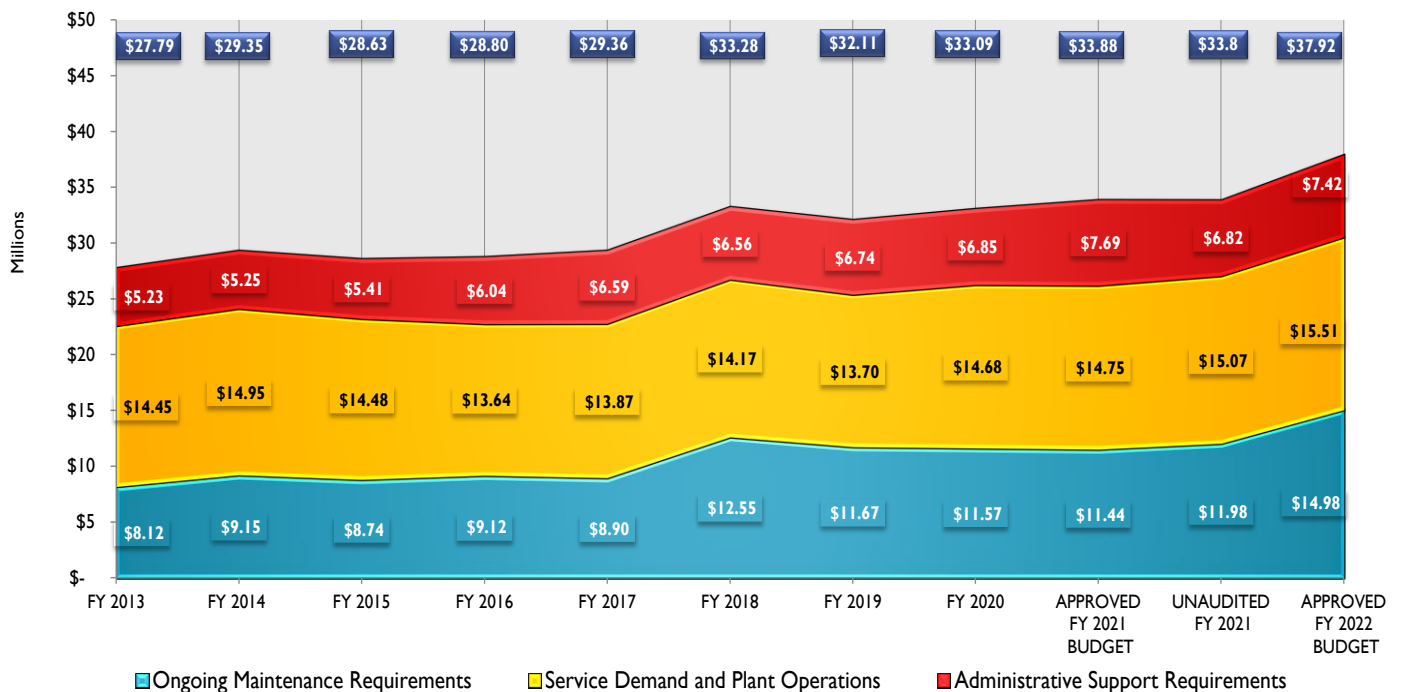
The following chart illustrates how the cost of off-system sales has fluctuated over the last ten years. In FY 2013, Brownsville PUB had a total cost of \$0.13 million. The Approved FY 2022 Off-System Sales Expenses Budget is \$6.00 million. The 10-year history represents an average increase of 466.21% per fiscal year. The unusually high costs in FY 2021 are a result of the Winter Storm Uri event in February 2021.



The following chart illustrates how the cost of personnel services has increased over the last several years. In FY 2013, Brownsville PUB had a total O&M personnel cost of \$31.81 million. The Approved FY 2022 O&M Personnel Budget is estimated at \$47.09 million. The \$1.39 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 4.80% 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, 2021 and 2020 were \$255,285,000 and \$272,155,000 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 6.63 and 3.11 times at September 30, 2021 and 2020, 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	ACTUAL FY 2020	UNAUDITED ACTUAL FY 2021	BUDGET FY 2022
Principal	\$ 12,914,000	\$ 13,284,485	\$ 13,414,301	\$ 14,358,196	\$ 16,845,097	\$ 17,600,000
Interest	12,863,808	12,510,790	12,352,429	11,585,595	10,341,791	10,076,580
Total	<u>\$ 25,777,808</u>	<u>\$ 25,795,275</u>	<u>\$ 25,766,730</u>	<u>\$ 25,943,791</u>	<u>\$ 27,186,889</u>	<u>\$ 27,676,580</u>

Commercial Paper for FY 2022 will incur \$472,500 of interest expense.

## **DEBT SERVICE COVERAGE RATIO**

The Debt Service Coverage Ratio is estimated at 6.63 times for Year-end FY 2021, compared to 2.54 in the Approved FY 2021 Budget and 2.27 times budgeted for FY 2022. The Brownsville PUB's minimum coverage is 1.25 times per current bond covenants.

## **CAPITAL BUDGET**

The Board adopted the FY 2022 Capital Budget on September 29, 2021.

The FY 2022 Capital Budget totals \$98,169,572 which is \$10,231,183 more than the Brownsville PUB approved FY 2021 Budget of \$87,938,389. The BPUB's five-year capital needs increased from \$234.73 million for FY 2021 to \$270.44 million for FY 2022 for a total increase of \$35.72 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 227.

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 2022 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 2022, 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 2022 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.

A recap of all the sources of funding for the Capital Budget can be found beginning on page 227.

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 2022.

Capital projects are discussed in additional detail on pages 234 through 387.



The following table illustrates major expenditures that account for 52.89% of the total approved FY 2022 Capital Budget.

UTILITY	PROJECT DESCRIPTION	APPROVED BUDGET
<b>ELECTRIC</b>		
	Airport Substation, 69kV to 138 kV upgrade	\$ 4,212,400
	Upgrades and Replacements at Silas Ray Power Plant	3,464,551
	Construction of a 56 MVA Northwest Distribution Substation	3,029,092
	Electric System Construction Contract	2,000,000
	Capital Equipment	1,979,679
	New Connections	1,231,095
	New Subdivisions	1,056,941
	<b>UTILITY TOTAL:</b>	<b>\$ 16,973,758</b>
<b>WATER</b>		
	Two Million Gallon Elevated Storage Tank to Replace Southmost EST	\$ 6,564,820
	16-inch Waterline Loop from Lago Vista to W. Alton Gloor Blvd	2,414,674
	FM 511 24-inch Waterline Loop (SRWA to Old Port Isabel Road)	1,584,800
	Concrete Steel Cylinder Waterline Upgrade - SH48 to WTP No. 2	900,000
	<b>UTILITY TOTAL:</b>	<b>\$ 11,464,294</b>
<b>WASTEWATER</b>		
	Lift Station Rehabilitations and Replacements	\$ 12,018,278
	South Wastewater Treatment Plant Improvemens	5,264,231
	Turbo Blower Upgrades at Robindale Treatment Plant	2,402,872
	<b>UTILITY TOTAL:</b>	<b>\$ 19,685,381</b>
<b>GENERAL</b>		
	Annex Administration Building - furniture fixtures and equipment	2,642,227
	Construction of an Annex Administration Building	\$ 1,158,027
	<b>UTILITY TOTAL:</b>	<b>\$ 3,800,254</b>
	<b>GRAND TOTAL:</b>	<b>\$ 51,923,687</b>
		\$ 98,169,572
		52.89%

\* Includes \$46.2 million in numerous additional projects.

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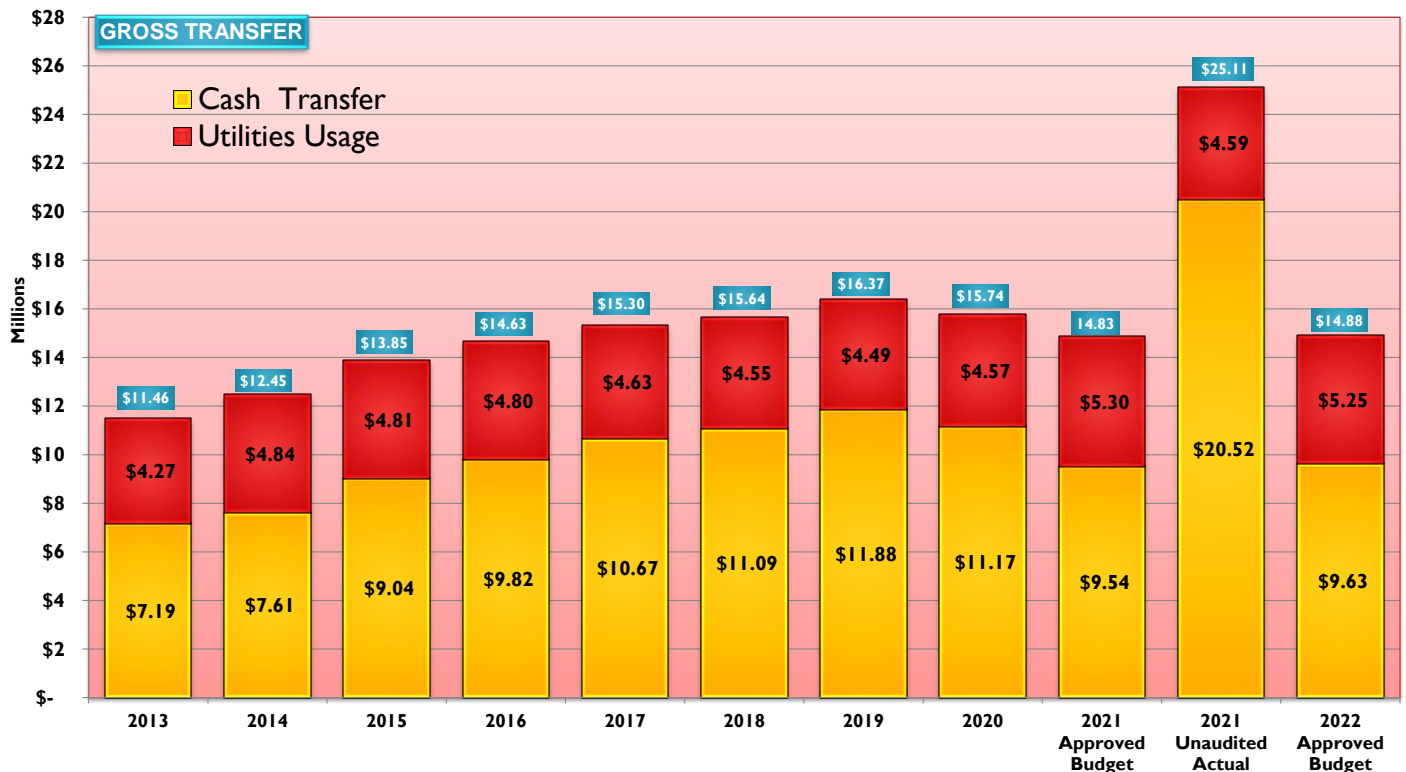
## TRANSFER TO THE CITY OF BROWNSVILLE

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 2021 estimated year-end gross transfer is \$25,111,045, up \$10,286,984 from the FY 2021 Approved budget, with an estimated net cash transfer of \$20,524,044. The increase is a result of unprecedented off system sales during the Winter Storm URI event in February 2021. The FY 2022 approved budget gross transfer is \$14,880,577.

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, 2020. 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**

The budget review was a very extensive process involving staff at all levels and areas of the organization. The entire Brownsville PUB staff is to be commended for the patience and cooperation exhibited during the continued refinement of the final approved budget. 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. Work sessions were held with all Divisions 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*

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

*Miguel A. Perez*

Miguel A. Perez  
Chief Financial Officer



GOVERNMENT FINANCE OFFICERS ASSOCIATION

*Distinguished Budget  
Presentation Award*

PRESENTED TO

**Brownsville Public Utilities Board**  
Texas

**For the Fiscal Year Beginning**

**October 01, 2020**

*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 2021-22 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 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.
- **Budget Changes** - Management has the option of re-allocating budgeted funds within a department, within a division or among other divisions. 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 reclassify open positions to address immediate staffing needs without Board approval as long as the dollar amounts or number of employees do not increase the approved budget totals. Reclassifying positions are generally allowed as long as the positions are at the same or at a lower pay level. In cases where management feels a need to reclassify a position to a higher level and after Human Resources has approved the reclassification, securing the funding with the Financial Planning Team will be the next step. Funding in these cases would mean sacrificing the salaries of two approved positions to fund the higher salaried position either by reclassifying the approved position to a lower pay grade or temporarily unfunding and suspending the approved position. The Financial Planning Team and the Human Resource Department can present management with the available options to fund the reclassification of the position requested.

### **Six-Month Budget Review Process**

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

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

based on the expense justification and Brownsville PUB's financial position. Additionally, the presence of extraordinary expenses that impact revenues, customer services, production of services, safety, Federal/state regulations, and employee benefits will influence the decision-making process.

## BUDGET PREPARATION CALENDAR FISCAL YEAR 2022

LINE REF.	DATE		TASK	ACTION RESPONSIBILITY
1	May 17-21, 2021	Week of	Establish BPUB Budget Teams (Vehicle/Heavy & Support Equipment and Computers, Furniture & Other Equipment)	Financial Planning Team
2	June 1, 2021	Tuesday	BUDGET KICKOFF - Distribution of FY 2022 Budget Instructions, Forms for Equipment Requests and Projects	Financial Planning Team
3	June 1, 2021	Tuesday	Open Budget Program for User Data Entry	Financial Planning Team
4	June 14, 2021	Monday	Distribute Budget Process Timetable to the Board	Acting CFO
5	June 17, 2021	Thursday	Close Budget Program data entry access	Financial Planning Team
6	June 21, 2021	Monday	Equipment Request Forms & Project Request Forms due	All Departments
7	June 28, 2021	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 9, 2021	Friday	Budget Teams (Vehicle/Heavy & Support Equipment and Computer, Furniture & Other Equipment) recommendations due	Teams
9	July 16, 2021	Friday	First DRAFT of O&M budget complete	Financial Planning Team
10	July 19, 2021	Monday	Distribute first DRAFT of budget and meet with Executive Team	Acting CFO
11	July 19-23, 2021	Week of	Executive Team, Directors and Finance balance O&M Budget	Acting CFO
12	July 26-30, 2021	Week of	Directors, Managers and Finance Balance First Draft of CIP Budget	Financial Planning Team
13	August 2, 2021	Monday	Distribute Performance Measures	Financial Planning Team
14	August 9-13, 2021	Week of	Executive Team, Directors and Finance balance CIP Budget	Acting CFO
15	August 20, 2021	Friday	Department Performance Measures due	All Departments
16	August 23-27, 2021	Week of	Individual Board Member O&M and CIP Budget Briefings	Acting CFO
17	September 13, 2021	Monday	Presentation of Draft Fiscal Year 2022 Budget to the Board in a workshop (if needed)	Acting CFO
18	September 29, 2021	Wednesday	Present Fiscal Year 2022 Budget to the Board for consideration and approval	Acting CFO

### NOTES

1. The Southmost Regional Water Authority (SRWA) Budget was approved on August 2, 2021.

## **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 the appointment by the City Commission of six of the seven-member governing board with the Mayor of the City serving 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 Directors. The investment policy was approved by the Board of Directors on September 29, 2021, 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 wide 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 impact fee collections, grant funding 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 2.27 for FY 2022, compared to 6.63 unaudited actual for FY 2021, and 2.54 in the Approved FY 2021 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.

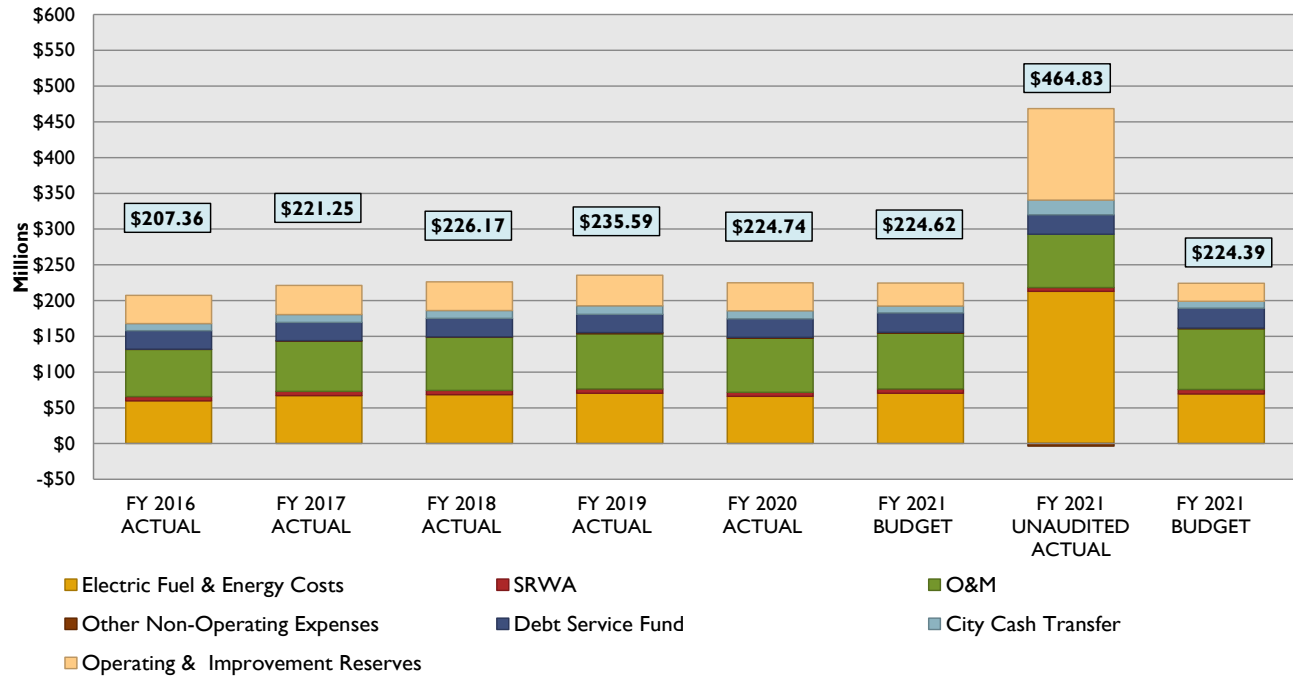
Prior to FY 2006, Article VI of the Charter provided for the transfer to the City's general fund by the Brownsville PUB from "Surplus Funds" available at the close of each fiscal year (after retaining in the Plant Fund an amount deemed by the Brownsville PUB to be sufficient to pay system operation and 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, 2021 and 2020 totaled \$20,524,045 and \$11,170,349, respectively, of which \$3,303,967 and \$3,994,072, respectively, was payable at September 30, 2021 and 2020.

Following is the computation for distribution to the City of Brownsville for FY 2022:

Gross Revenue	\$ 224,387,503
Less:	
Fuel & Energy Costs	63,465,864
Off-system Sales Expenses	6,000,000
Southmost Regional Water Authority (SRWA)	6,115,872
Adjusted Gross Revenues	<u>\$ 148,805,767</u>
Budgeted COB Transfer at 10% of Adjusted Gross Revenues	\$ 14,880,577
Less:	
COB Usage and Other	<u>(5,246,070)</u>
Net Cash Transfer to COB	<u>\$ 9,634,507</u>

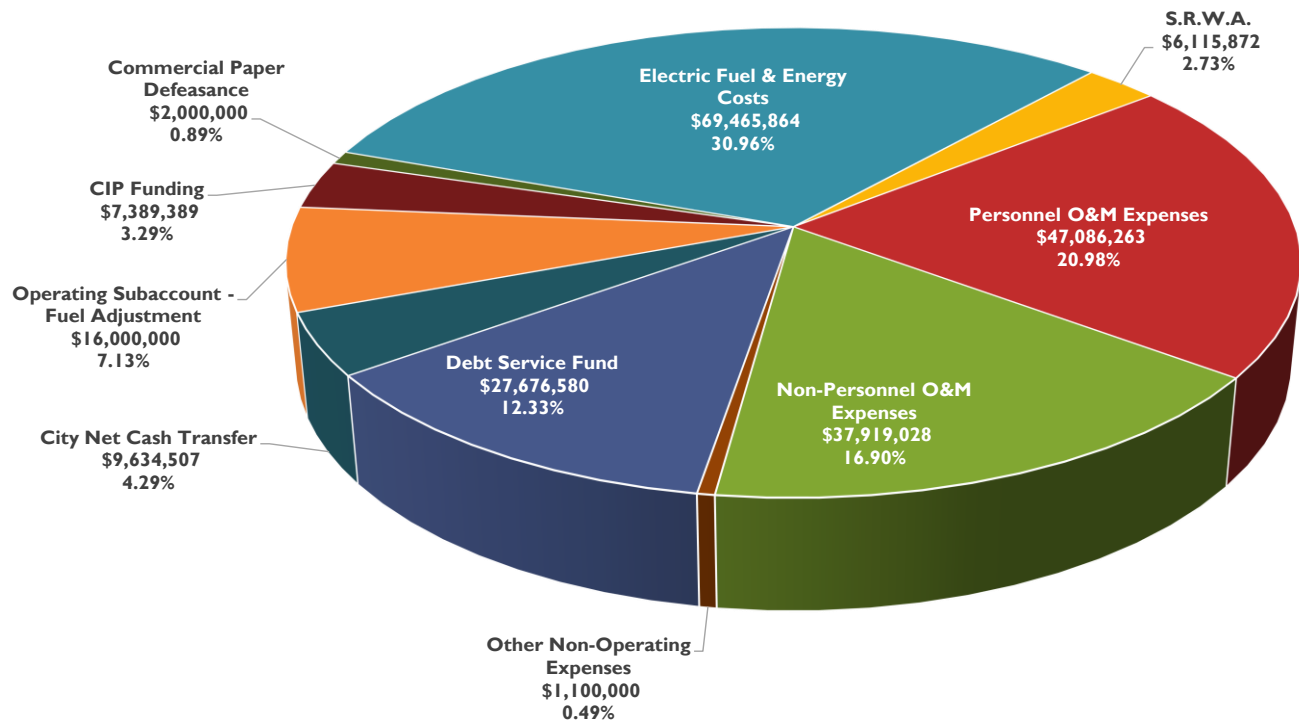
# ***BUDGET RECAP***

## TOTAL COMBINED UTILITY REQUIREMENTS

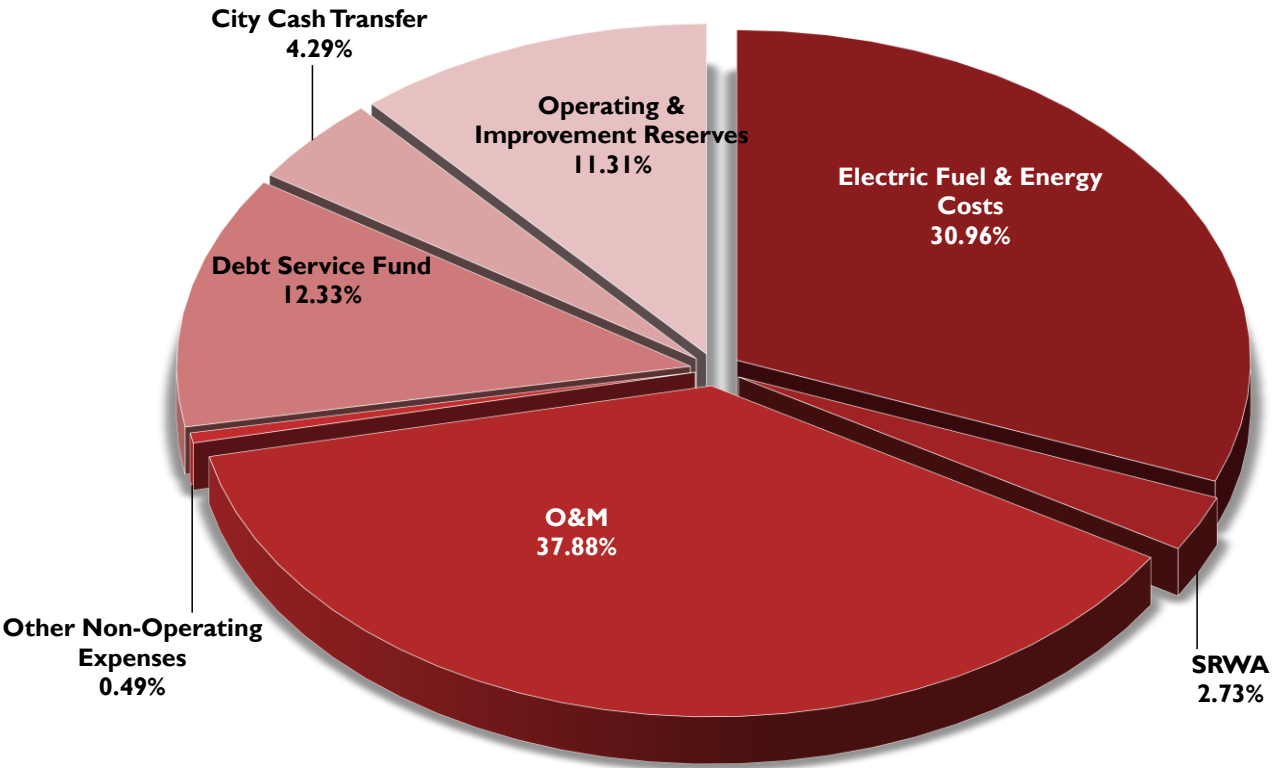


Note: The unusually high Electric Fuel & Energy Costs and Operating & Improvement Reserves in FY 2021 are attributable to the Winter Storm Uri event in February 2021.

## FY 2022 USES OF FUNDS (\$224,387,503)



**FY 2022 REQUIREMENTS AS A PERCENT OF TOTAL BUDGET**

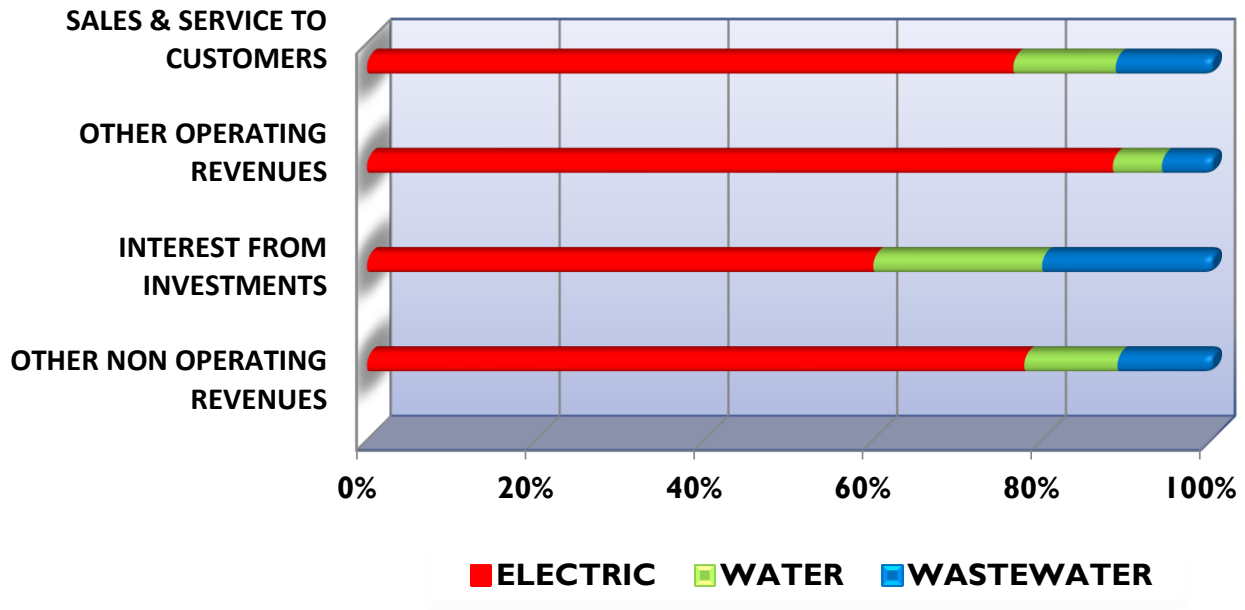


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## BUDGET RECAP FY 2022 REVENUES

	<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	\$ 161,926,103	\$ 9,820,650	\$ 180,000	\$ 1,215,000	\$ 173,141,753
WATER	25,653,818	645,366	60,000	172,500	26,531,684
WASTEWATER	23,836,200	645,366	60,000	172,500	24,714,066
<b>TOTAL REVENUE</b>	<b>\$ 211,416,121</b>	<b>\$ 11,111,382</b>	<b>\$ 300,000</b>	<b>\$ 1,560,000</b>	<b>\$ 224,387,503</b>

## FY 2022 REVENUES UTILITY PERCENT BY REVENUE TYPE



**OPERATIONS & MAINTENANCE EXPENSE RECAP BY TYPE**  
**FY 2012 - FY 2022**

TYPE	FY 2012	FY 2013	FY 2014	FY 2015
61 Personnel Salaries & Wages	\$ 19,761,782	\$ 21,047,184	\$ 22,404,937	\$ 23,121,728
62 Personnel Services	9,847,583	10,765,207	11,521,694	10,151,354
71 Operating Office Expenses	3,896,372	4,159,671	4,554,927	4,698,777
72 Operating Materials & Supplies	5,246,147	5,362,003	4,982,058	4,846,856
73 Operating Miscellaneous General Exp	11,894,623	10,033,119	9,773,350	11,042,760
74 Operating Transportation Expense	1,060,732	1,132,352	1,219,496	1,072,288
75 Operating Maint. of General Plant	2,794,117	2,029,564	3,688,413	2,983,094
76 Operating Consultants/Outside Svc	7,946,964	9,159,599	9,059,971	8,449,677
77 Operating Fuel & Purchase Power	48,449,645	54,041,195	67,598,265	68,002,097
78 Operating Purch/Minor Tools & Equip	799,817	786,125	1,018,516	1,271,213
<b>Grand Total</b>	<b>\$ 111,697,781</b>	<b>\$ 118,516,018</b>	<b>\$ 135,821,627</b>	<b>\$ 135,639,845</b>

**LESS:**

Fuel & Purchased Power & Off System Expenses	\$ 48,449,645	\$ 54,041,195	\$ 67,598,265	\$ 68,002,097
SRWA Obligations	5,616,176	4,867,682	4,942,996	5,738,013

<b>Subtotal</b>	<b>\$ 57,631,960</b>	<b>\$ 59,607,141</b>	<b>\$ 63,280,366</b>	<b>\$ 61,899,735</b>
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Less Personnel	\$ 29,609,365	\$ 31,812,390	\$ 33,926,631	\$ 33,273,082
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<b>Non-Personnel</b>	<b>\$ 28,022,595</b>	<b>\$ 27,794,751</b>	<b>\$ 29,353,735</b>	<b>\$ 28,626,653</b>
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TYPE	FY 2016	FY 2017	FY 2018	FY 2019
61 Personnel Salaries & Wages	\$ 24,070,435	\$ 25,660,355	\$ 26,840,938	\$ 26,637,072
62 Personnel Services	12,823,206	15,490,675	14,110,911	18,381,584
71 Operating Office Expenses	4,889,941	4,691,445	4,632,610	4,538,278
72 Operating Materials & Supplies	4,788,075	4,147,717	4,078,742	3,583,002
73 Operating Miscellaneous General Exp	10,629,351	11,529,269	11,782,886	11,294,225
74 Operating Transportation Expense	1,006,454	1,067,438	1,308,252	1,279,683
75 Operating Maint. of General Plant	2,666,119	2,147,117	4,421,339	3,722,801
76 Operating Consultants/Outside Svc	9,712,243	10,433,864	11,602,571	12,240,833
77 Operating Fuel & Purchase Power	59,987,648	67,049,242	68,391,914	70,463,755
78 Operating Purch/Minor Tools & Equip	1,022,540	1,220,698	1,388,318	1,404,158
<b>Grand Total</b>	<b>\$ 131,596,011</b>	<b>\$ 143,437,819</b>	<b>\$ 148,558,482</b>	<b>\$ 153,545,391</b>

**LESS:**

Fuel & Purchased Power & Off System Expenses	\$ 59,987,648	\$ 67,049,242	\$ 68,391,914	\$ 70,463,755
SRWA Obligations	5,910,676	5,878,725	5,934,637	5,953,229

<b>Subtotal</b>	<b>\$ 65,697,687</b>	<b>\$ 70,509,852</b>	<b>\$ 74,231,931</b>	<b>\$ 77,128,407</b>
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Less Personnel	\$ 36,893,641	\$ 41,151,030	\$ 40,951,849	\$ 45,018,656
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<b>Non-Personnel</b>	<b>\$ 28,804,046</b>	<b>\$ 29,358,822</b>	<b>\$ 33,280,081</b>	<b>\$ 32,109,751</b>
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TYPE	FY 2020	APPROVED FY 2021 BUDGET	UNAUDITED FY 2021	APPROVED FY 2022 BUDGET
61 Personnel Salaries & Wages	\$ 27,713,343	\$ 28,994,393	\$ 27,271,379	\$ 30,955,020
62 Personnel Services	14,674,898	15,100,236	13,346,401	16,131,243
71 Operating Office Expenses	4,296,646	4,581,927	3,932,184	4,270,125
72 Operating Materials & Supplies	3,882,716	4,223,966	3,802,489	4,238,667
73 Operating Miscellaneous General Exp	11,791,059	12,175,468	11,495,746	13,352,108
74 Operating Transportation Expense	1,096,262	1,136,656	1,403,298	1,203,000
75 Operating Maint. of General Plant	3,642,044	3,605,898	3,461,364	4,105,131
76 Operating Consultants/Outside Svc	12,612,712	12,594,799	13,794,094	15,819,553
77 Operating Fuel & Purchase Power	65,996,582	70,305,865	212,908,923	69,465,864
78 Operating Purch/Minor Tools & Equip	1,665,680	1,632,038	1,374,531	1,046,317
<b>Grand Total</b>	<b>\$ 147,371,941</b>	<b>\$ 154,351,246</b>	<b>\$ 292,790,408</b>	<b>\$ 160,587,027</b>

**LESS:**

Fuel & Purchased Power & Off System Expenses	\$ 65,996,582	\$ 70,305,865	\$ 212,908,923	\$ 69,465,864
SRWA Obligations	5,899,247	6,071,063	5,394,293	6,115,872

<b>Subtotal</b>	<b>\$ 75,476,112</b>	<b>\$ 77,974,318</b>	<b>\$ 74,487,192</b>	<b>\$ 85,005,291</b>
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Less Personnel	\$ 42,388,241	\$ 44,094,628	\$ 40,617,779	\$ 47,086,263
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<b>Non-Personnel</b>	<b>\$ 33,087,871</b>	<b>\$ 33,879,689</b>	<b>\$ 33,869,413</b>	<b>\$ 37,919,028</b>
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**Note:**

Type 61 & 62 Personnel O&M Totals include \$2,531,264, \$975,000, \$1,784,912 and \$1,939,968 from other O&M Personnel Supplements for FY 2022, FY 2018, FY 2017 and FY 2016, respectively.

# OPERATIONS & MAINTENANCE EXPENSE RECAP BY ACCOUNT

## FY 2017 - FY 2022

Account	Actual 2017	Actual 2018	Actual 2019	Actual 2020	Approved Budget 2021	Unaudited Actual 2021	Approved Budget 2022
<b>Personnel O&amp;M</b>							
6101 Supervision	\$ 6,306,819	\$ 6,734,219	\$ 6,763,021	\$ 7,427,889	\$ 7,948,457	\$ 7,602,080	8,576,706
6105 Administrative Staff	4,576,749	4,813,525	4,691,283	4,710,933	4,772,701	4,626,358	5,195,435
6110 Clerical staff	2,863,535	2,945,932	2,895,514	3,032,430	3,147,889	2,980,632	3,234,664
6115 Operational staff	10,632,632	10,844,935	10,887,151	10,936,093	11,650,536	10,276,834	12,288,689
6120 Part-time staff	191,062	237,599	254,653	365,789	186,885	295,976	250,000
6130 Overtime	1,089,558	1,254,973	1,145,450	1,225,301	1,287,925	1,479,973	1,410,020
6140 Severance Pay	-	9,756	-	14,909	-	9,527	-
6201 T.M.R.S.	6,155,520	4,482,890	7,336,202	5,385,809	4,824,902	2,832,598	5,093,200
6205 F.I.C.A.	1,506,222	1,565,534	1,572,123	1,647,444	1,715,497	1,621,292	1,831,486
6206 Suta	61,752	11,019	13,129	23,513	-	5,875	-
6210 Medicare	360,492	374,096	375,705	391,493	401,206	385,627	428,332
6214 Dental Insurance	139,156	141,817	264,830	302,614	357,023	297,213	353,795
6215 Hospitalization insurance	4,650,152	4,774,941	4,984,125	5,602,554	6,741,149	5,539,111	7,426,883
6216 Other Post-Employment Benefits (ins)	831,691	1,420,773	2,630,485	924,189	1,000,000	1,396,993	1,000,000
6220 Life Insurance	39,571	28,523	24,131	23,154	32,326	22,844	34,048
6221 Long Term Disability Insurance	(11,103)	17,589	36,085	47,685	54,803	46,977	58,404
6225 Workers Compensation	659,233	682,647	684,077	715,389	691,732	705,572	738,502
6230 Vacation leave	300,656	90,839	109,821	672,658	351,425	308,849	348,849
6235 Sick leave	596,233	272,034	117,671	(1,275,842)	386,650	12,809	383,815
6240 Educational assistance	20,913	20,335	12,074	6,978	28,800	9,828	20,400
6242 Auto Benefits	86,637	87,006	97,991	94,500	102,000	86,366	109,500
6243 Telephone Benefits	15,117	15,122	16,640	14,604	15,121	12,924	18,481
6250 Miscellaneous personnel benefits	78,434	125,746	106,496	98,156	276,500	47,004	272,950
6260 Vacancy Savings	-	-	-	-	(1,375,979)	-	(1,365,890)
6266 RESTORE Offset-Personnel	-	-	-	-	(502,920)	-	(622,006)
6280 Gift Cards	-	-	-	-	-	14,519	-
<b>Personnel O&amp;M Total</b>	<b>41,151,030</b>	<b>40,951,849</b>	<b>45,018,656</b>	<b>42,388,241</b>	<b>44,094,629</b>	<b>40,617,779</b>	<b>47,086,263</b>
<b>Non-personnel O&amp;M</b>							
7101 Advertising	177,220	188,470	178,989	174,018	185,800	182,655	183,000
7102 Sponsorships	160,650	161,800	162,400	142,965	135,000	44,400	135,000
7105 Books & periodicals	35,503	11,191	9,893	8,463	22,755	7,905	8,470
7110 Dues & memberships	187,042	170,052	163,012	163,097	139,688	119,348	127,917
7115 Educational material	46,841	20,856	16,369	2,847	6,700	944	9,850
7120 Office supplies	165,676	157,526	156,550	123,199	150,240	112,652	107,850
7125 Photo equipment/supplies	1,381	201	271	300	1,300	-	550
7130 Postage/shipping charges	343,902	351,766	365,490	331,771	390,775	131,607	85,650
7135 Telephone expenses	379,564	343,737	352,616	370,561	376,758	344,164	371,800
7140 Training expenses	173,401	202,880	194,274	92,927	188,099	184,539	215,196
7145 Travel expenses	292,817	320,344	252,250	129,303	145,749	10,689	209,677
7147 Mileage Reimbursement (InTownExp)	176	468	951	2,046	3,712	300	2,250
7150 Recruitment Expenses	4,999	2,227	3,148	1,472	2,000	-	2,000
7155 Initial Certificatn/Licensing Reimb	460	-	298	-	1,800	-	2,400
7180 Utilities - departmental	2,628,572	2,601,678	2,588,319	2,648,333	2,727,851	2,690,899	2,704,375
7190 Utilities - CP&L & Mvec	92,994	98,953	93,424	101,866	103,150	102,349	103,540
7199 Miscellaneous office expenses	249	462	27	3,477	550	(267)	600
7201 Barricades & signs	7,003	4,775	1,844	5,571	6,490	7,070	2,900
7203 Sand, Caliche, Gravel, Concrete etc	151,857	177,968	79,446	38,170	98,700	78,480	83,200
7205 Lamps, globes & flares	3,738	13,296	8,510	7,504	10,000	659	800
7210 Landscaping/Trade a Tree Program	5,379	3,631	4,081	1,763	13,150	783	11,800
7215 Laundry & janitorial supplies	5,492	3,978	3,004	3,805	8,510	4,154	5,850
7220 Medical supplies	-	176	306	-	1,100	-	250
7225 Safety supplies	101,307	106,257	136,859	269,091	175,560	258,814	183,347
7251 Purchased of Raw Water	41,913	31,703	26,750	27,778	40,000	16,733	30,000
7279 Ultraviolet light system expenses	37,308	64,831	277,680	208,187	250,000	149,972	185,000
7280 Chemicals - activated carbon	61,108	56,967	40,447	53,970	70,032	58,093	79,700
7281 Chemicals - ammonia	92,459	97,683	81,413	79,386	110,498	61,904	83,886
7282 Chemicals - caustic soda	41,024	108,291	127,479	110,681	121,503	109,453	139,355
7283 Chemicals - chlorine	204,156	183,820	204,616	222,900	277,882	212,406	270,158
7284 Chemicals - coagulant	662,419	772,027	587,756	672,944	799,169	672,535	793,534
7285 Chemicals - copper sulphate	-	3,935	3,415	3,532	4,000	-	3,500
7286 Chemicals - deodorants	8,922	8,436	12,079	5,362	10,000	6,703	9,800
7288 Chemicals - ferric chloride	-	6,638	406	-	-	-	-
7290 Chemicals - sodium chloride	96,997	108,709	119,824	127,280	160,820	154,200	153,810
7293 Chemicals - other	1,098,473	682,534	384,329	375,207	457,702	373,374	518,232
7299 Other materials & supplies	1,528,162	1,643,087	1,482,759	1,669,587	1,608,850	1,637,156	1,683,545
7301 Bad debt expense	1,046,123	397,079	474,191	609,378	384,300	636,000	592,500
7302 Bankruptcy expenses	1,225	-	(326)	(2,024)	-	(1,284)	1,500
7304 Hurricane Preparedness Expenses	216,611	219,600	269,550	353,394	265,700	248,099	285,000
7305 ERCOT expenses	678,728	1,432,298	977,679	1,281,303	942,000	1,070,737	1,092,000

continued



# OPERATIONS & MAINTENANCE EXPENSE RECAP BY ACCOUNT - CONTINUED

## FY 2017 - FY 2022

Account	Actual 2017	Actual 2018	Actual 2019	Actual 2020	Approved Budget 2021	Unaudited Actual 2021	Approved Budget 2022
<b>Non-personnel O&amp;M - cont.</b>							
7310 Federal, state, & local fees	479,293	427,059	465,909	435,630	507,100	397,910	439,350
7315 Food, meals, ice, water	55,446	60,540	54,055	37,970	52,975	28,931	37,933
7320 Official functions	30,438	24,905	22,936	4,910	9,300	-	12,800
7322 Recognition Program	71,523	67,642	90,166	63,350	75,600	46,450	85,600
7325 Rental of equip/storage/land	434,021	577,303	465,221	575,455	476,669	575,438	645,628
7330 Right of way fees	33,240	48,834	42,453	32,676	295,000	35,043	140,000
7335 Wearing apparel & dry goods	296,757	418,297	303,513	129,175	187,153	118,408	121,744
7340 Promo Exp-Enrgy Efficiency & Consvr	26,011	23,859	17,275	13,400	25,000	15,722	16,000
7345 Rebate Exp-Enrgy Efficiency & Cnsrv	244,929	263,060	265,537	231,916	195,000	311,320	220,000
7346 Water Efficiency Program	10,831	5,986	-	-	7,000	-	2,000
7347 Commercial & Industrial Rebate Prog	193,851	151,386	189,137	128,488	170,000	52,586	115,000
7348 Customer Assistance Program	19,085	20,695	15,029	35,033	30,000	46,694	30,000
7380 Insurance - general liability	52,623	62,357	57,560	116,063	55,000	104,936	56,500
7381 Insurance - boiler,mchnry,property	1,030,357	929,602	915,779	1,116,362	1,600,000	1,591,434	2,376,180
7382 Insurance - blanket bond	4,191	3,706	5,670	5,721	6,500	6,050	6,500
7384 Insurance - public officials liab	66,497	64,142	63,559	65,096	75,500	70,059	80,000
7385 Insurance - comprehensive auto liab	118,506	136,025	128,417	148,608	166,000	163,175	180,000
7386 Insurance - umbrella liability	399,491	444,123	441,203	451,642	490,000	489,642	560,000
7387 Insurance - self insured damages	77,106	14,695	17,197	13,359	30,000	36,633	80,000
7388 Excess Workers Compensation	63,660	55,057	59,284	44,907	58,607	57,469	60,000
7405 Auto body repairs	18,867	12,185	-	12,646	10,000	13,071	13,000
7410 Batteries	20,567	9,791	-	-	-	-	-
7415 Fuels & lubricants	529,654	692,546	673,329	512,516	666,656	697,709	688,800
7420 Parts	375,199	476,721	497,530	447,961	375,000	529,768	375,000
7425 Road service	25,710	27,346	56,275	77,508	50,000	78,621	37,500
7430 Tires	97,441	89,662	52,550	45,630	35,000	84,130	88,700
7501 Maint. of buildings & structures	107,279	80,690	173,842	310,272	306,572	176,016	512,423
7505 Maint. of communication equipment	31,712	8,938	10,023	7,007	20,900	24,213	16,750
7515 Maint. of major equipment	387,352	2,108,571	1,573,072	571,651	739,700	734,661	599,208
7520 Maint. of minor equipment	101,049	47,410	18,847	62,377	66,110	41,504	57,600
7525 Maint. of boiler plant	166,938	231,840	58,587	158,969	574,000	143,397	851,431
7530 Maint. of electric meters	128,331	207,575	230,169	166,408	200,000	105,405	96,250
7535 Maint. of electric plant	-	167	-	508	-	49	-
7540 Maint. of line transformers	140,489	115,417	85,560	89,225	100,000	116,016	70,500
7550 Maint. of overhead lines	41,872	123,997	154,722	117,713	120,000	54,324	60,800
7555 Maint. of station equipment	42,235	20,195	24,624	28,009	30,000	66,855	40,000
7565 Maint. of street lighting & signals	163,327	192,632	409,983	951,224	445,000	806,588	666,115
7570 Maint. of underground lines	297,007	338,059	291,352	238,950	222,100	245,215	376,850
7574 Maintenance of wells	10,870	54,796	111,276	61,355	50,000	12,421	20,000
7575 Maint. of water meters	268,530	384,533	333,872	397,698	250,000	341,141	272,319
7577 Maint. of distribution mains	111,944	77,903	83,423	70,510	85,000	230,769	200,000
7580 Maint. of reservoirs	51,928	297,945	59,278	180,475	268,016	233,670	154,435
7581 Maint. of resacas	3,581	6,777	20,600	131,581	26,500	1,786	11,500
7585 Maint. of sewer force mains	4,073	4,243	557	1,618	10,000	4,228	8,000
7586 Maint. of sewer gravity lines	18,860	61,125	40,809	50,021	50,000	87,798	50,000
7599 Maintenance / other	69,740	58,524	42,208	46,475	42,000	35,309	40,950
7601 Legal Fees	2,243,880	2,094,300	2,141,679	2,220,556	1,759,000	2,338,155	1,726,370
7605 Engineering fees	540,408	401,593	619,202	450,017	1,200,752	188,368	574,000
7610 Financial advisor services	60,000	131,850	45,000	130,388	75,000	86,527	75,000
7615 External auditor fees	50,000	56,500	56,500	15,205	85,000	117,201	88,000
7620 Environmental consulting fees	59,606	89,836	27,865	64,597	92,500	112,524	67,500
7630 Construction contractor services	387,892	493,814	471,148	381,014	390,000	548,589	712,000
7635 Software maintenance service fees	930,588	866,599	1,278,408	1,444,868	1,552,859	1,639,911	1,659,407
7645 Maintenance services	1,761,832	2,955,197	2,646,134	2,130,879	2,169,999	1,897,496	2,340,534
7647 Remote Reading Services	-	-	-	-	-	-	5,800
7650 Security services	510,467	557,551	632,059	1,188,184	1,344,900	1,258,558	1,594,403
7655 Hauling Services	103,585	77,306	141,694	66,895	100,000	126,572	116,000
7660 Ground Keeping Maintenance	324,158	352,148	366,444	396,784	420,000	499,972	545,000
7696 RESTORE Offset-Nonpersonnel	-	-	-	-	(1,447,449)	-	(1,338,129)
7697 O&M Contingency-Maintenance Pool	-	-	-	-	400,000	-	400,000
7698 O&M Contingency-Budget Pool	-	-	-	-	400,000	-	400,000
7699 Other services	3,461,446	3,525,877	3,814,701	4,123,325	4,052,239	4,980,222	6,853,668
7801 Communication equipment	70,782	90,245	51,134	26,594	46,600	41,191	60,500
7805 Computer equipment	216,744	307,179	303,387	540,838	619,323	316,466	159,120
7806 Software licenses-new	120,677	132,158	138,653	151,722	177,175	123,324	144,215
7810 Laboratory equipment	72,983	78,697	95,515	69,768	77,700	82,276	73,600
7820 Office furniture & equipment	80,949	84,612	70,591	46,475	56,462	21,154	25,307
7830 Pumping equipment	202,099	180,894	194,386	210,612	156,500	331,576	234,500
7835 Tools, shop and garage equipment	90,674	79,854	70,488	71,255	62,175	83,021	52,775
7840 Water treatment equipment	21,702	33,460	29,674	34,668	22,000	25,216	15,000
7899 Other minor tools & equipment	344,087	401,219	450,331	513,748	414,103	350,307	281,300
<b>Non-personnel O&amp;M Total</b>	<b>29,358,822</b>	<b>33,280,081</b>	<b>32,109,752</b>	<b>33,087,871</b>	<b>33,879,689</b>	<b>33,869,413</b>	<b>37,919,028</b>

continued

# OPERATIONS & MAINTENANCE EXPENSE RECAP BY ACCOUNT - CONTINUED

## FY 2017 - FY 2022

Account	Actual 2017	Actual 2018	Actual 2019	Actual 2020	Approved Budget 2021	Unaudited Actual 2021	Approved Budget 2022
<b>Type 77 - Fuel &amp; Purchased Power</b>							
7701 Fuel - Natural gas - Silas Ray	1,042,911	1,073,744	1,235,346.35	1198890.62	2,000,000	8,591,978	2,000,000
7702 Fuel - Natural Gas - Hidalgo Energy	9,003,032	10,222,283	7,491,013.32	8021431.36	9,000,000	33,315,139	9,000,000
7704 Fuel - TETCO/Hinshaw Pipeline	631,662	664,305	551,861.01	838,119.08	900,000	1,095,257	900,000
7705 Fuel - Coal - Oklaunion	6,380,124	7,538,764	9,304,377.35	3,778,547.08	-	-	-
7706 Fuel-Diesel-Distributed Generation	-	-	-	-	10,000	12,977	-
7707 Fuel - Diesel oil - Oklaunion	180,013	62,776	197,593.44	90,616.18	-	-	-
7708 Fuel - Natural Gas Transp-SilasRay	93,473	97,237	79,090.11	122,913.62	200,000	120,331	200,000
7714 Pchp - Wind Resources	10,454,540	9,091,589	7,979,936	3,149,158.75	6,000,000	2,315,270	5,000,000
7720 Pchp - Resource Imbalance	1,649,817	1,515,735	6,936,621	6,653,338.09	4,500,000	60,597,664	4,500,000
7721 Pchp - Economy power	8,679,811	11,982,163	6,027,609	7,169,855.72	9,000,000	10,637,679	10,000,000
7724 Pchp - Fixed Energy - AEP PPA	-	-	-	-	13,930,000	13,490,400	14,000,000
7726 Pchp - Bilateral Energy Expns-Gas	-	-	-	-	8,236	-	6,289
7727 Pchp - Bilateral Energy-Gas Transp	-	-	-	-	824	-	629
7729 Pchp - TCOS (Wheeling)	8,328,774	8,032,710	8,043,011	8,675,264.51	7,000,175	9,848,333	7,700,000
7731 Pchp - Fixed expenses - Oklaunion	4,873,643	4,641,903	4,352,561	3,805,918	500,000	-	-
7732 Pchp - Hidalgo Fixed Operation Fee	4,392,322	3,346,971	3,213,956	3,231,030	4,345,864	3,223,658	4,345,864
7733 Pchp - Bilateral Ancillary Services	1,224,823	2,080,658	3,159,197	1,473,738.37	1,800,000	30,187,914	1,800,000
7736 Pchp - QSE Charges	399,050	400,703	402,416	404,101.38	420,000	405,741	420,000
7737 Pchp - Ercot Charges	1,339,038	1,432,188	1,119,473	1,055,882.05	1,300,000	1,798,044	1,300,000
7738 Pchp - CSC Congestion Cost (CSCBE)	3,911,871	588,547	2,122,757	4,932,015.33	2,000,000	(1,193,743)	2,000,000
7740 Power marketing services	148,389	318,562	495,848	321,856.25	300,000	5,742,757	300,000
7750 Pchp - Real Time Energy - Wind	1,094,964	1,467,415	2,676,969	4,310,175.19	3,294,200	8,423,072	4,087,622
7751 Pchp - Reliability Unit Cmt Exp-Gas	99,641	47,274	-	2,203.18	82,355	7,041	62,886
7752 Pchp - Reliab Unit Cmt - Gas Transp	6,953	3,319	-	304.14	8,236	445	6,289
7753 Pchp - Day Ahead Energy Exp-Gas	70,284	66,202	276,008	941,763.55	164,710	51,023	125,773
7754 Pchp - Day Ahead Energy-Gas Transp	6,558	4,228	24,245	77,603.98	16,471	38,626	12,577
7755 Pchp - Real Time Energy Exp-Gas	1,721,091	1,411,322	2,677,424	1,928,396.57	1,482,390	23,021,154	1,257,730
7756 Pchp - Real Time Energy - Gas Transp	128,448	101,511	185,027	197,918.51	148,239	1,165,867	125,773
7759 Pchp - Real Time Energy - Coal	1,188,008	2,199,805	1,424,261	387,350.81	-	-	-
7760 Pchp - Day Ahead Energy-Wind	-	-	487,155	3,228,190	1,894,165	12,296	314,432
<b>Fuel &amp; Purchased Power Total</b>	<b>67,049,242</b>	<b>68,391,914</b>	<b>70,463,755</b>	<b>65,996,582</b>	<b>70,305,865</b>	<b>212,908,923</b>	<b>69,465,864</b>
<b>SRWA</b>							
7306 SRWA O&M Assessment	3,719,365	3,844,573	3,818,338	3,785,726	3,960,083	3,960,083	4,000,741
7307 SRWA Dbt Svc Assessment	2,159,360	2,090,064	2,134,891	2,113,521	2,110,980	1,434,210	2,115,131
<b>SRWA Total</b>	<b>5,878,725</b>	<b>5,934,637</b>	<b>5,953,229</b>	<b>5,899,247</b>	<b>6,071,063</b>	<b>5,394,293</b>	<b>6,115,872</b>
<b>TOTAL OPERATIONS &amp; MAINTENANCE</b>	<b>\$ 143,437,819</b>	<b>\$ 148,558,482</b>	<b>\$ 153,545,391</b>	<b>\$ 147,371,941</b>	<b>\$ 154,351,246</b>	<b>\$ 292,790,408</b>	<b>\$ 160,587,028</b>
<b>Less:</b>							
Fuel & Purchased Power	\$ 67,049,242	\$ 68,391,914	\$ 70,463,755	\$ 65,996,582	\$ 70,305,865	\$ 212,908,923	\$ 69,465,864
SRWA Assessments	5,878,725	5,934,637	5,953,229	5,899,247	6,071,063	5,394,293	6,115,872
<b>TOTAL APPROVED O&amp;M BUDGET</b>	<b>\$ 70,509,852</b>	<b>\$ 74,231,931</b>	<b>\$ 77,128,408</b>	<b>\$ 75,476,112</b>	<b>\$ 77,974,318</b>	<b>\$ 74,487,192</b>	<b>\$ 85,005,292</b>

**Note:**

Type 61 & 62 Personnel O&M Totals include \$2,531,264, \$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 2022

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	\$ 374,798	\$ 87,447	\$ 41,800	\$ 1,050	\$ 7,100	\$ -
1120	Internal Audit	259,940	116,271	10,478	100	100	200
1125	Key Account Marketing	193,455	96,104	9,100	-	5,800	800
1130	Communications & Administrative Svc	139,689	58,181	9,200	750	2,000	-
1135	Communications & Public Relations	189,091	76,176	252,100	1,600	14,000	500
1140	Training and Organizational Development	186,266	82,351	6,300	200	2,300	-
1145	Electrical Systems	308,127	128,467	5,115	310	1,268	-
1150	Board of Directors	-	-	60,000	-	5,000	-
1165	Records Management	180,840	84,700	14,050	600	20,500	500
1170	Digital Information Platforms	116,167	55,393	19,600	-	-	-
1410	Environmental Services	424,937	216,293	19,930	30,000	418,100	1,000
1420	Environmental Compliance	415,548	192,270	17,936	11,000	25,150	1,000
1422	Analytical Lab	801,862	386,568	64,050	216,000	35,550	6,000
1430	Pre-treatment	376,755	176,802	20,650	14,000	11,000	6,000
1435	Cross Connection Control	131,388	68,463	8,700	27,100	2,100	-
1440	Health & Safety	226,261	98,537	24,450	25,950	39,100	4,200
2120	Substations and Relaying	1,184,058	513,583	124,250	94,450	47,800	20,000
2130	Electric Trans & Dist Const and Maint	1,758,121	866,541	10,900	143,300	20,800	100,000
2150	Energy Control Center Operations	1,219,332	516,121	61,075	7,100	5,950	-
2210	SCADA & Electrical Support Services	1,334,398	624,157	18,300	365,000	400,250	26,000
2220	Power Production	1,631,216	746,576	287,574	111,500	41,000	2,000
2310	Electric Meter Shop	323,750	184,490	17,378	86,500	8,200	9,000
2410	Electric Engineering	681,221	303,188	39,920	2,200	4,000	2,500
3110	W&WW Eng, Planning & Operations	145,471	78,799	13,800	-	1,700	500
3120	Water Plant I	562,652	242,985	186,120	834,492	121,500	1,500
3130	Water Plant II	351,323	174,144	254,067	727,266	111,335	900
3135	Resaca Maintenance	418,920	(394,770)	16,662	235,588	122,453	150,000
3140	Raw Water Supply	148,925	84,047	127,931	50,100	3,400	6,000
3145	W/WW Plant Maintenance	543,071	287,689	5,290	40,000	13,500	19,000
3150	W/WW Operations & Construction	1,716,834	925,072	26,300	291,000	25,000	110,000
3155	W/WW Operations & Maintenance	1,105,157	558,397	4,200	110,000	1,500	40,000
3160	Potable Water Transport Services	91,411	42,635	900	2,500	500	5,000
3210	South Wastewater Treatment Plant	415,893	195,355	439,015	147,329	4,805	1,000
3220	Robindale Wastewater Treatment Plnt	573,698	263,270	409,271	252,800	6,830	2,000
3225	W/WW Sludge Management	385,227	206,006	2,400	3,740	2,200	40,000
3230	Wastewater Lift Stations	960,250	458,507	507,600	149,800	35,500	45,000
3310	Water & Wastewater Engineering	728,293	346,481	5,900	1,500	6,750	8,000
4105	Operations	558,067	218,548	13,000	1,250	5,800	-
4110	Energy Risk Management	96,314	33,977	3,000	150	200	-
4115	Asset Management	1,009	-	7,041	1,000	-	-
4210	NERC Compliance	363,117	160,302	550	150	70,700	-
4220	Fuel & Purchased Energy Supply	141,698	69,139	6,600	-	900,100	-
4230	Natural Gas Utility Management	-	-	-	-	-	-
4310	Operational Support Services	303,310	129,301	7,050	600	2,100	-
5110	Finance	874,824	359,807	21,390	100	13,200	-
5120	Accounting	601,147	293,827	17,815	175	2,708	-
5130	Purchasing	379,608	180,946	34,550	1,500	3,600	-
5140	Revenue Recovery	147,411	79,429	1,690	10,417	1,768	2,000
6105	Customer & Information Services	212,534	91,191	7,050	-	31,000	-
6110	Customer Service	550,318	288,939	10,420	-	5,500	-
6115	Collections	156,966	90,969	900	500	501,700	-
6120	Billing	375,987	212,295	36,090	3,500	12,800	3,500
6125	Call Center	445,613	272,741	5,620	-	500	-
6130	Meter Services	367,922	202,492	9,939	19,000	6,689	20,000
6135	CIS Support	189,010	79,004	1,300	300	300	-
6145	Energy Efficiency & Conservation	52,744	29,775	900	-	353,000	500
6150	Meter Reading	418,626	257,572	10,154	20,000	8,300	20,000
6160	Cashiers	281,419	165,827	5,000	-	200	-
7120	Risk/Insurance Management	174,349	86,695	5,850	200	3,399,280	2,000
7130	Information Technology	1,168,577	541,060	213,100	7,000	250	700
7135	Geographic Information Systems	488,302	248,344	6,600	4,000	149,050	3,000
7140	Human Resources	230,077	168,486	4,474	500	61,672	-
7145	Talent Acquisition & Staffing	174,545	86,696	7,240	-	400	-
7150	Fleet Management	395,657	204,826	21,000	17,200	28,500	539,200
7155	Compensation & Benefits	251,466	178,394	3,240	50	700	-
7160	Facility Maintenance	185,210	98,185	326,300	72,500	1,300	400
7165	Security Operations	135,459	60,291	500	5,500	-	-
7170	Warehouse	181,844	119,465	450	11,750	1,586	2,500
7175	Facility Maint-FM 511 Service Yard	136,113	91,602	76,700	25,000	1,430	600
7180	Facility Maintenance-Annex	50,276	29,263	262,300	51,500	360	-
9110	Company-wide Expenses	261,650	1,854,068	-	-	6,213,372	-
	Grand Total	\$ 30,955,514	\$ 16,130,749	\$ 4,270,125	\$ 4,238,667	\$ 13,352,107	\$ 1,203,000
LESS:							
	Fuel & Purchase Power	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	SRWA Obligations	-	-	-	-	6,115,872	-
	TOTAL OPERATIONS & MAINTENANCE	\$ 30,955,514	\$ 16,130,749	\$ 4,270,125	\$ 4,238,667	\$ 7,236,235	\$ 1,203,000

**OPERATIONS & MAINTENANCE EXPENSE RECAP BY DEPARTMENT & TYPE**  
**FY 2022 (continued)**

ORG. NO.	DEPARTMENT	TYPE DESCRIPTION				GRAND TOTAL
		75 MAINT. OF GENERAL	76 CONSULTANTS/ OUTSIDE SVC.	77 FUEL & PURCH. POWER	78 PURCH/MINOR TOOLS & EQUIP.	
1110	General Manager	\$ -	\$ 1,239,000	\$ -	\$ 500	\$ 1,751,695
1120	Internal Audit	-	-	-	-	387,089
1125	Key Account Marketing	-	3,000	-	-	308,259
1130	Communications & Administrative Svc	-	1,000	-	-	210,819
1135	Communications & Public Relations	-	300,000	-	4,000	837,466
1140	Training and Organizational Development	-	57,550	-	-	334,967
1145	Electrical Systems	-	675	-	1,115	445,077
1150	Board of Directors	-	100,000	-	1,000	166,000
1165	Records Management	-	222,000	-	1,670	524,859
1170	Digital Information Platforms	-	21,167	-	-	212,327
1410	Environmental Services	-	139,500	-	1,200	1,250,961
1420	Environmental Compliance	30,000	1,384,348	-	1,350	2,078,601
1422	Analytical Lab	150,000	245,000	-	56,650	1,961,680
1430	Pre-treatment	15,000	32,500	-	3,500	656,207
1435	Cross Connection Control	-	377,000	-	500	615,251
1440	Health & Safety	-	221,000	-	22,700	662,198
2120	Substations and Relaying	96,500	20,000	-	29,900	2,130,541
2130	Electric Trans & Dist Const and Maint	806,265	35,500	-	100,700	3,842,127
2150	Energy Control Center Operations	500	700	-	2,800	1,813,578
2210	SCADA & Electrical Support Services	15,000	496,000	-	65,000	3,344,105
2220	Power Production	1,253,689	463,594	4,345,864	16,650	8,899,664
2310	Electric Meter Shop	97,250	250	-	4,700	731,518
2410	Electric Engineering	319,350	1,223,000	-	7,900	2,583,279
3110	W&WW Eng, Planning & Operations	-	2,750	-	500	243,520
3120	Water Plant I	62,150	177,700	-	25,600	2,214,699
3130	Water Plant II	31,208	154,764	-	14,300	1,819,306
3135	Resaca Maintenance	1,500	(538,129)	-	11,925	24,149
3140	Raw Water Supply	95,000	26,000	-	3,000	544,403
3145	W/WW Plant Maintenance	750	200,000	-	18,000	1,127,301
3150	W/WW Operations & Construction	161,250	508,000	-	57,700	3,821,155
3155	W/WW Operations & Maintenance	373,319	135,000	-	17,000	2,344,574
3160	Potable Water Transport Services	500	-	-	5,500	148,946
3210	South Wastewater Treatment Plant	256,800	47,600	-	15,550	1,523,347
3220	Robindale Wastewater Treatment Plnt	275,500	58,220	-	28,300	1,869,889
3225	W/WW Sludge Management	-	-	-	9,100	648,673
3230	Wastewater Lift Stations	20,750	255,000	-	232,000	2,664,407
3310	Water & Wastewater Engineering	-	124,000	-	-	1,220,924
4105	Operations	-	198,670	-	-	995,336
4110	Energy Risk Management	-	100,000	-	1,400	235,041
4115	Asset Management	-	100,000	-	-	109,050
4210	NERC Compliance	-	500	-	2,000	597,319
4220	Fuel & Purchased Energy Supply	-	21,000	65,120,000	8,000	66,266,537
4230	Natural Gas Utility Management	-	5,000	-	-	5,000
4310	Operational Support Services	-	158,000	-	3,800	604,161
5110	Finance	-	248,000	-	-	1,517,321
5120	Accounting	-	63,189	-	-	978,861
5130	Purchasing	-	20,000	-	850	621,053
5140	Revenue Recovery	-	-	-	-	242,715
6105	Customer & Information Services	-	41,000	-	-	382,776
6110	Customer Service	-	39,500	-	-	894,677
6115	Collections	-	7,000	-	-	758,035
6120	Billing	-	426,500	-	-	1,070,672
6125	Call Center	-	21,900	-	1,920	748,294
6130	Meter Services	1,000	3,500	-	1,000	631,542
6135	CIS Support	-	224,071	-	-	493,985
6145	Energy Efficiency & Conservation	-	75,000	-	-	511,919
6150	Meter Reading	1,000	28,800	-	3,500	767,951
6160	Cashiers	-	672,231	-	8,072	1,132,749
7120	Risk/Insurance Management	-	102,000	-	165	3,770,539
7130	Information Technology	-	995,400	-	145,000	3,071,087
7135	Geographic Information Systems	-	130,000	-	30,500	1,059,797
7140	Human Resources	-	220,000	-	-	685,209
7145	Talent Acquisition & Staffing	-	100,000	-	-	368,881
7150	Fleet Management	-	378,000	-	16,000	1,600,383
7155	Compensation & Benefits	-	52,700	-	-	486,550
7160	Facility Maintenance	25,000	798,000	-	2,500	1,509,395
7165	Security Operations	-	1,582,903	-	18,000	1,802,653
7170	Warehouse	750	14,000	-	12,800	345,146
7175	Facility Maint-FM 511 Service Yard	5,000	108,000	-	500	444,946
7180	Facility Maintenance-Annex	10,100	346,000	-	10,000	759,799
9110	Company-wide Expenses	-	805,000	-	20,000	9,154,090
	Grand Total	\$ 4,105,131	\$ 15,819,553	\$ 69,465,864	\$ 1,046,317	\$ 160,587,027
	LESS:					
	Fuel & Purchase Power	\$ -	\$ -	\$ 69,465,864	\$ -	\$ 69,465,864
	SRWA Obligations	-	-	-	-	6,115,872
	<b>TOTAL OPERATIONS &amp; MAINTENANCE</b>	<b>\$ 4,105,131</b>	<b>\$ 15,819,553</b>	<b>\$ -</b>	<b>\$ 1,046,317</b>	<b>\$ 85,005,291</b>

# OPERATIONS & MAINTENANCE EXPENSE RECAP BY DEPARTMENT

## FY 2018 – FY 2022

ORG. NO.	DEPARTMENT	Actual FY 2018	Actual FY 2019	Actual FY 2020	Approved Budget FY 2021	UNAUDITED Actual FY 2021	Approved Budget FY 2022
1110	General Manager	\$ 1,917,207	\$ 2,186,863	\$ 2,021,712	\$ 1,731,196	\$ 2,192,455	\$ 1,751,695
1120	Internal Audit	308,051	341,619	353,733	373,115	360,037	387,089
1125	Key Account Marketing	286,937	300,570	279,112	296,831	251,841	308,259
1130	Communications & Administrative Svc	254,792	230,732	321,924	258,797	204,674	210,819
1135	Communications & Public Relations	823,557	634,337	684,961	662,758	550,126	837,466
1140	Training and Organizational Development	422,531	386,244	363,744	374,060	309,185	334,967
1145	Electrical Systems	453,343	363,019	281,092	577,986	443,012	445,077
1150	Board of Directors	210,423	115,832	108,045	129,000	187,926	166,000
1165	Records Management	389,829	369,756	390,729	517,251	399,496	524,859
1170	Digital Information Platforms	-	-	-	150,999	195,734	212,327
1410	Environmental Services	1,036,847	1,164,494	1,178,659	1,272,423	1,212,604	1,250,961
1420	Environmental Compliance	885,039	866,583	977,411	984,008	1,030,527	2,078,601
1422	Analytical Lab	1,771,911	1,674,429	1,685,680	1,830,100	1,670,048	1,961,680
1430	Pre-treatment	601,065	629,044	559,400	614,035	597,004	656,207
1435	Cross Connection Control	225,212	259,090	488,168	522,177	483,374	615,251
1440	Health & Safety	1,567,202	1,351,340	827,400	818,112	692,345	662,198
2120	Substations and Relaying	1,905,214	1,958,950	2,212,968	1,981,515	2,256,461	2,130,541
2130	Electric Trans & Dist Construction and Maint	1,502,979	3,450,567	4,128,131	3,394,563	3,745,296	3,842,127
2140	Elec Trans & Dist Maintenance	1,377,060	(7,767)	-	-	-	-
2150	Energy Control Center Operations	1,587,458	1,500,416	1,455,701	1,559,653	1,584,422	1,813,578
2210	SCADA & Electrical Support Services	2,785,645	2,737,047	3,126,565	3,015,761	3,037,333	3,344,105
2220	Power Production	13,049,194	11,631,729	10,291,038	8,985,531	6,657,543	8,899,664
2310	Electric Meter Shop	839,893	781,223	684,133	779,856	679,860	731,518
2410	Electric Engineering	1,973,524	2,111,237	2,036,084	1,792,349	2,209,760	2,583,279
3110	W&WW Eng, Planning & Operations	266,665	150,451	336,943	300,665	227,269	243,520
3120	Water Plant I	1,948,602	1,762,555	1,764,720	1,978,827	1,798,390	2,214,699
3130	Water Plant II	1,334,659	1,268,199	1,457,608	1,460,854	1,549,756	1,819,306
3135	Resaca Maintenance	889,011	877,325	937,120	167,995	803,887	24,150
3140	Raw Water Supply	833,141	513,911	710,236	713,926	580,826	544,403
3145	W/WW Plant Maintenance	1,757,464	1,646,761	1,139,363	1,322,342	1,050,080	1,127,301
3150	W/WW Operations & Construction	5,255,239	5,436,217	4,631,566	3,445,360	3,638,887	3,821,155
3155	W/WW Operations & Maintenance	-	-	844,723	2,861,717	2,219,744	2,344,574
3160	Potable Water Transport Services	-	-	21,345	136,750	144,613	148,946
3210	South Wastewater Treatment Plant	1,297,187	1,302,325	1,337,872	1,287,560	1,296,696	1,523,347
3220	Robindale Wastewater Treatment Plnt	1,983,318	1,897,881	1,760,689	1,933,777	1,787,305	1,869,889
3225	W/WW Sludge Management	-	675,080	558,439	560,411	620,385	648,673
3230	Wastewater Lift Stations	3,764,686	3,813,108	2,702,365	2,493,719	2,682,867	2,664,407
3310	Water & Wastewater Engineering	917,010	812,608	1,014,455	1,259,380	785,951	1,220,924
4105	Operations	926,358	718,795	679,088	716,826	943,732	995,336
4110	Energy Risk Management	202,843	223,401	345,749	215,124	208,933	235,041
4115	Asset Management	-	-	-	180,100	-	109,050
4210	NERC Compliance	524,592	662,098	498,784	579,166	492,656	597,319
4220	Fuel & Purchased Energy Supply	61,853,777	63,792,061	60,289,743	66,440,780	210,826,663	66,266,537
4230	Natural Gas Utility Management	-	-	-	15,000	-	5,000
4310	Operational Support Services	589,386	931,672	1,233,123	688,245	493,725	604,161
5110	Finance	1,123,472	1,086,956	1,332,473	1,231,488	1,586,351	1,517,321
5120	Accounting	1,007,649	1,097,200	1,082,056	1,090,569	925,856	978,861
5130	Purchasing	571,702	556,991	563,912	578,855	611,612	621,053
5140	Revenue Recovery	220,757	211,747	225,029	233,301	228,634	242,715
6105	Customer & Information Services	334,306	368,123	357,426	373,003	404,508	382,776
6110	Customer Service	889,551	846,460	842,267	869,229	944,324	894,677
6115	Collections	447,066	650,993	457,709	543,139	846,040	758,035
6120	Billing	894,289	1,003,452	1,006,856	1,070,972	1,081,866	1,070,672
6125	Call Center	603,926	618,427	679,486	714,596	710,971	748,294
6130	Meter Services	557,557	596,066	534,822	616,914	548,986	631,542
6135	CIS Support	400,335	459,594	470,173	502,557	463,168	493,985
6145	Energy Efficiency & Conservation	544,029	620,241	516,219	551,587	539,113	511,919
6150	Meter Reading	668,398	699,285	670,826	726,974	699,143	767,951
6160	Cashiers	929,693	1,056,551	1,054,016	1,011,182	1,177,558	1,132,749
7120	Risk/Insurance Management	1,976,625	1,923,312	2,205,586	2,818,654	2,864,083	3,770,539
7130	Information Technology	3,012,244	2,930,896	3,319,480	3,421,518	3,323,404	3,071,087
7135	Geographic Information Systems	1,079,540	1,087,936	1,058,734	975,603	1,101,427	1,059,797
7140	Human Resources	599,450	824,225	789,126	650,798	575,812	685,209
7145	Talent Acquisition and Staffing	307,208	311,563	290,253	306,103	351,036	368,881
7150	Fleet Management	2,092,344	1,619,547	1,678,700	1,489,135	1,840,290	1,600,383
7155	Compensation & Benefits	430,257	380,059	444,410	445,078	395,520	486,550
7160	Facility Maintenance	1,187,474	1,259,686	1,544,257	1,355,928	1,710,231	1,509,395
7165	Security Operations	-	-	1,004,213	1,542,510	1,259,171	1,802,653
7170	Warehouse	350,055	325,604	352,045	332,947	382,058	345,146
7175	Facility Maintenance-FM 511 Service Yard	-	-	27,282	575,800	185,702	444,946
7180	Facility Maintenance-Annex	-	-	-	-	71,232	759,799
9110	Company-wide Expenses	7,811,709	11,488,674	8,144,265	8,942,209	4,858,886	9,154,090
9150	Prior FY Encumbered Budget	-	-	-	-	-	-
<b>TOTAL APPROPRIATIONS</b>		<b>\$ 148,558,482</b>	<b>\$ 153,545,392</b>	<b>\$ 147,371,941</b>	<b>\$ 154,351,246</b>	<b>\$ 292,790,408</b>	<b>\$ 160,587,027</b>
<b>LESS:</b>							
FUEL & PURCHASED POWER		\$ 68,391,914	\$ 70,463,755	\$ 65,996,582	\$ 70,305,865	\$ 212,908,923	\$ 69,465,864
SRWA ASSESSMENTS		5,934,637	5,953,229	5,899,247	6,071,063	5,394,293	6,115,872
<b>TOTAL OPERATIONS &amp; MAINTENANCE</b>		<b>\$ 74,231,931</b>	<b>\$ 77,128,408</b>	<b>\$ 75,476,112</b>	<b>\$ 77,974,318</b>	<b>\$ 74,487,192</b>	<b>\$ 85,005,291</b>

# OPERATIONS & MAINTENANCE EXPENSE RECAP BY DEPARTMENT FY 2022 BUDGET

ORGN	DEPARTMENT	OPERATIONS & MAINTENANCE		TOTAL O&M
		PERSONNEL	NON-PERSONNEL	
1110	General Manager	\$ 462,245	\$ 1,289,450	\$ 1,751,695
1120	Internal Audit	376,211	10,878	387,089
1125	Key Account Marketing	289,559	18,700	308,259
1130	Communications & Administrative Svc	197,869	12,950	210,819
1135	Communications & Public Relations	265,266	572,200	837,466
1140	Training and Organizational Development	268,617	66,350	334,967
1145	Electrical Systems	436,594	8,483	445,077
1150	Board of Directors	-	166,000	166,000
1165	Records Management	265,539	259,320	524,859
1170	Digital Information Platforms	171,560	40,767	212,327
1410	Environmental Services	641,231	609,730	1,250,961
1420	Environmental Compliance	607,817	1,470,784	2,078,601
1422	Analytical Lab	1,188,430	773,250	1,961,680
1430	Pre-treatment	553,557	102,650	656,207
1435	Cross Connect Control	199,851	415,400	615,251
1440	Health & Safety	324,798	337,400	662,198
2120	Substations and Relaying	1,697,641	432,900	2,130,541
2130	Electric Trans & Dist Construction and Maintenance	2,624,662	1,217,465	3,842,127
2150	Energy Control Center Operations	1,735,453	78,125	1,813,578
2210	SCADA & Electrical Support Services	1,958,555	1,385,550	3,344,105
2220	Power Production	2,377,793	6,521,871	8,899,664
2310	Electric Meter Shop	508,240	223,278	731,518
2410	Electric Engineering	984,409	1,598,870	2,583,279
3110	W&WW Eng, Planning & Operations	224,270	19,250	243,520
3120	Water Plant I	805,637	1,409,062	2,214,699
3130	Water Plant II	525,466	1,293,840	1,819,306
3135	Resaca Maintenance	24,150	-	24,150
3140	Raw Water Supply	232,972	311,431	544,403
3145	W/WW Plant Maintenance	830,761	296,540	1,127,301
3150	W/WW Operations & Construction	2,641,905	1,179,250	3,821,155
3155	W/WW Operations & Maintenance	1,663,555	681,019	2,344,574
3160	Potable Water Transport Services	134,046	14,900	148,946
3210	South Wastewater Treatment Plant	611,248	912,099	1,523,347
3220	Robindale Wastewater Treatment Plnt	836,968	1,032,921	1,869,889
3225	W/WW Sludge Management	591,233	57,440	648,673
3230	Wastewater Lift Stations	1,418,757	1,245,650	2,664,407
3310	Water & Wastewater Engineering	1,074,774	146,150	1,220,924
4105	Operations	776,616	218,720	995,336
4110	Energy Risk Management	130,291	104,750	235,041
4115	Asset Management	1,009	108,041	109,050
4210	NERC Compliance	523,419	73,900	597,319
4220	Fuel & Purchased Energy Supply	210,837	66,055,700	66,266,537
4230	Natural Gas Utility Management	-	5,000	5,000
4310	Operational Support Services	432,611	171,550	604,161
5110	Finance	1,234,631	282,690	1,517,321
5120	Accounting	894,974	83,887	978,861
5130	Purchasing	560,553	60,500	621,053
5140	Revenue Recovery	226,840	15,875	242,715
6105	Customer & Information Services	303,726	79,050	382,776
6110	Customer Service	839,257	55,420	894,677
6115	Collections	247,935	510,100	758,035
6120	Billing	588,282	482,390	1,070,672
6125	Call Center	718,354	29,940	748,294
6130	Meter Services	570,414	61,128	631,542
6135	CIS Support	268,014	225,971	493,985
6145	Energy Efficiency & Conservation	82,519	429,400	511,919
6150	Meter Reading	676,198	91,754	767,951
6160	Cashiers	447,246	685,503	1,132,749
7120	Risk/Insurance Management	261,044	3,509,495	3,770,539
7130	Information Technology	1,709,637	1,361,450	3,071,087
7135	Geographic Information Systems	736,647	323,150	1,059,797
7140	Human Resources	398,563	286,646	685,209
7145	Talent Acquisition and Staffing	261,241	107,640	368,881
7150	Fleet Management	600,483	999,900	1,600,383
7155	Compensation & Benefits	429,860	56,690	486,550
7160	Facility Maintenance	283,395	1,226,000	1,509,395
7165	Security Operations	195,750	1,606,903	1,802,653
7170	Warehouse	301,310	43,836	345,146
7175	Facility Maintenance-FM 511 Service Yard	227,716	217,230	444,946
7180	Facility Maintenance-Annex	79,539	680,260	759,799
9110	Company-wide Expenses	2,115,718	7,038,372	9,154,090
<b>TOTAL APPROPRIATIONS</b>		<b>\$ 47,086,263</b>	<b>\$ 113,500,764</b>	<b>\$ 160,587,027</b>
<b>LESS:</b>				
FUEL & PURCHASED POWER		\$ -	\$ 69,465,864	\$ 69,465,864
SRWA ASSESSMENTS		-	6,115,872	6,115,872
<b>TOTAL OPERATIONS &amp; MAINTENANCE</b>		<b>\$ 47,086,263</b>	<b>\$ 37,919,028</b>	<b>\$ 85,005,291</b>

**FY 2022 APPROVED BUDGETED NUMBER OF POSITIONS  
BY DIVISION/ORGANIZATION**

DIVISION NAME		ORGANIZATION	POSITION TITLE	NUMBER OF POSITIONS
Communications & Admin Svc Division	1130	Communications & Administrative Svc	DIRECTOR OF COMM/ADMIN SERV	1
			<b>ORG TOTAL:</b>	<b>1</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
			DIGITAL INFO/MEDIA PLAT COORD	1
			<b>ORG TOTAL:</b>	<b>2</b>
	1440	Health & Safety	ADMINISTRATIVE ASSISTANT	1
			HEALTH & SAFETY ADMINISTRATOR	1
			HEALTH & SAFETY MANAGER	1
			SAFETY COORDINATOR	1
			<b>ORG TOTAL:</b>	<b>4</b>
	7120	Risk/Insurance Management	RISK MANAGEMENT COORDINATOR	1
			RISK MANAGER	1
			SENIOR WORKERS'COMP COORD	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
			CUSTOMER SOLUTIONS REP	1
			LEAD CUSTOMER SOLUTIONS REP	5
			SENIOR CUSTOMER SOLUTIONS REP	6
			<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	2
			LEAD CUSTOMER SOLUTIONS REP	3
			SENIOR CUSTOMER SOLUTIONS REP	6
			<b>ORG TOTAL:</b>	<b>12</b>
	6130	Meter Services	LEAD METER SERVICES TECHNICIAN	2
			METER SERVICES SUPERVISOR	1
			METER SERVICES TECHNICIAN	2
			SENIOR METER SERVICES TECH	4
			<b>ORG TOTAL:</b>	<b>9</b>

**FY 2022 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	LEAD METER READER	2
			METER READER	8
			METER READING SUPERVISOR	1
			SENIOR METER READER	3
			<b>ORG TOTAL:</b>	<b>14</b>
	6160	Cashiers	CUSTOMER SERVICE SUPERVISOR	1
			CUSTOMER SOLUTIONS REP	2
			LEAD CUSTOMER SOLUTIONS REP	2
			SENIOR CUSTOMER SOLUTIONS REP	3
			<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	AREA MANAGER	1
			DIRECTOR OF ELECTRIC T&D	1
			SENIOR ADMINISTRATIVE ASST	1
			<b>ORG TOTAL:</b>	<b>3</b>
	2120	Substations and Relaying	ADMINISTRATIVE ASSISTANT	1
			ELECTRIC FOREMAN (CERTIFIED)	1
			ELECTRIC MAINTENANCE WORKER	5
			LINEWORKER (CERTIFIED)	4
			RELAY TECHNICIAN	1
			RELAYING SUPERVISOR	1
			SENIOR RELAY COORDINATOR	1
			SENIOR SUBSTATION TECHNICIAN	3
			SUBSTATION SUPERVISOR	1
			SUBSTATION TECH APPRENTICE	5
			<b>ORG TOTAL:</b>	<b>23</b>
	2130	Elec T&D Construction & Maintenance	ADMINISTRATIVE ASSISTANT	1
			APPRENTICE LINEWORKER	15
			ELEC. TRAINING COORD. (CERT)	1
			ELECTRIC FOREMAN (CERTIFIED)	7
			ELECTRIC MAINTENANCE WORKER	8
			ELECTRIC OPERATIONS MANAGER	1
			GRADUATE ENGINEER	1
			GROUND WORKER	3
			LINEWORKER (CERTIFIED)	9
			LINEWORKER (NON-CERTIFIED)	3
			<b>ORG TOTAL:</b>	<b>49</b>
	2150	Energy Control Center Operations	DISPATCH CLERK	1
			ENERGY CONTROL CENTER ASST	1
			ENERGY SYSTEM OPERATIONS MGR	1
			ENERGY SYSTEM OPERATOR	2
			ENERGY SYSTEM OPERATOR APR	1
			LEAD ENERGY SYSTEM OPERATOR	5
			SENIOR ENERGY SYSTEM OPERATOR	4
			<b>ORG TOTAL:</b>	<b>15</b>



**FY 2022 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	2
			POWER PLANT FOREMAN	1
			POWER PLANT INSTRUMENT TECH	1
			POWER PLANT MAINTENANCE SUPR	1
			POWER PLANT MAINTENANCE TECH	4
			POWER PLANT MANAGER	1
			POWER PLANT OPERATIONS FOREMAN	3
			POWER PLANT OPERATIONS SUPR	1
			POWER PLANT OPERATOR	6
			SENIOR ENGINEER (REGISTERED)	1
			SENIOR POWER PLANT OPERATOR	3
	ORG TOTAL:			28
	2310	Electric Meter Shop	ELECTRIC METER SHOP SUPERVISOR	1
			GRADUATE ENGINEER	1
			METER TECHNICIAN	2
			METER TECHNICIAN APPRENTICE	2
			SENIOR METER TECHNICIAN	2
	ORG TOTAL:			8
	2410	Electric Engineering	ADMINISTRATIVE ASSISTANT	1
			CAD DRAFTER	1
			ENGINEER (REGISTERED)	4
			ENGINEERING MANAGER	1
			ENGINEERING TECHNICIAN	1
			GRADUATE ENGINEER	2
			OPERATIONS ENGINEER REGISTERED	1
			SENIOR ENGINEER (REGISTERED)	3
	ORG TOTAL:			14
	4220	Fuel & Purchased Energy Supply	FUEL & PURCHASED ENERGY COORD	1
			FUEL/PURCHASED ENERGY MANAGER	1
	ORG TOTAL:			2
	DIVISION TOTAL:			142
Environmental Division	1410	Environmental Services	DIR OF ENVIRONMENTAL SERVICES	1
			ENVIRO SOFTWARE SOLUTIONS SPEC	1
			QUALITY ASSURANCE SPECIALIST	3
			SENIOR ADMINISTRATIVE ASST	1
	ORG TOTAL:			6
	1420	Environmental Compliance	ENVIRONMENTAL MANAGER	1
			LEAD ENV COMPLIANCE SPECIALIST	2
			SENIOR ENV COMPLIANCE SPEC	2
			SENIOR ENVIRONMENTAL TECH	1
	ORG TOTAL:			6
	1422	Analytical Lab	ADMINISTRATIVE ASSISTANT	1
			CHEMIST	1
			CHEMIST	1
			CHEMIST	1
			LAB & CROSS CONN CONT MANAGER	1
			LAB COMPLIANCE COORDINATOR	2
			LABORATORY SUPERVISOR	1
			LABORATORY TECHNICIAN	1
			SENIOR LABORATORY TECHNICIAN	7
	ORG TOTAL:			16
	1430	Pre-treatment	ADMINISTRATIVE ASSISTANT	1
			ENVIRONMENTAL TECHNICIAN	2
			PRETREATMENT MANAGER	1
			SENIOR ENV COMPLIANCE SPEC	2
			SENIOR ENVIRONMENTAL TECH	1
	ORG TOTAL:			7

**FY 2022 APPROVED BUDGETED NUMBER OF POSITIONS  
BY DIVISION/ORGANIZATION – CONTINUED**

DIVISION NAME		ORGANIZATION	POSITION TITLE	NUMBER OF POSITIONS
Environmental Division (continued)	1435	Cross Connection Control	CROSS CONNECT COMPLIANCE TECH	1
			LD CROSS CONNECT CONTROL COORD	1
			SENIOR ENVIRONMENTAL TECH	1
			<b>ORG TOTAL:</b>	<b>3</b>
			<b>DIVISION TOTAL:</b>	<b>38</b>
Finance Division	5110	Finance	ACTING CHIEF FINANCIAL OFFICER	1
			AREA MANAGER	1
			BUSINESS PROCESS ADMINISTRATOR	1
			CHIEF FINANCIAL OFFICER	1
			EXECUTIVE ASSISTANT	1
			FINANCIAL ANALYST	1
			SENIOR BUDGET ANALYST	1
			SENIOR FINANCIAL ANALYST	1
			TREAS & ACCT SUPP SERV MANAGER	1
			TREASURY ADMINISTRATOR	1
			<b>ORG TOTAL:</b>	<b>10</b>
	5120	Accounting	ACCOUNTANT	6
			ACCOUNTS PAYABLE SUPERVISOR	1
			ACTING CONTROLLER	1
			CONTROLLER	1
			FISCAL MANAGER	1
			GRANTS COORD APPRENTICE	1
			LEAD ACCOUNTING CLERK	2
			PAYROLL SPECIALIST	1
			SENIOR ACCOUNTING CLERK	1
			<b>ORG TOTAL:</b>	<b>15</b>
	5130	Purchasing	BUYER	3
			CONTRACTS COORDINATOR	1
			MATERIALS & WAREHOUSE MANAGER	1
			PURCHASING ADMINISTRATOR	1
			PURCHASING CLERK	1
			<b>ORG TOTAL:</b>	<b>7</b>
	5140	Revenue Recovery	REVENUE RECOVERY SUPERVISOR	1
			REVENUE RECOVERY TECHNICIAN	1
			<b>ORG TOTAL:</b>	<b>3</b>
	7160	Facility Maintenance	CUSTODIAN	2
			FACILITIES 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>
	7180	Facility Maintenance-Annex	FACILITY MAINTENANCE SUPERVISOR	1
			<b>ORG TOTAL:</b>	<b>1</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 DEVELOPMENT REP.	1
			TRAIN/ORG DEVL ADMIN	1
			TRAINING/ORG DEVL MANAGER	1
			<b>ORG TOTAL:</b>	<b>3</b>

**FY 2022 APPROVED BUDGETED NUMBER OF POSITIONS  
BY DIVISION/ORGANIZATION – CONTINUED**

DIVISION NAME		ORGANIZATION	POSITION TITLE	NUMBER OF POSITIONS
Human Resources Division (continued)	7140	Human Resources	DIRECTOR OF HUMAN RESOURCES	1
			SENIOR HUMAN RESOURCES ASST	2
			<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>
	7155	Compensation & Benefits	COMPENSATION & BENEFITS SPEC	1
			COMPENSATION/BENEFITS ANALYST	1
			COMPENSATION/BENEFITS MANAGER	1
			EMPLOYEE RELATIONS SPECIALIST	1
			<b>ORG TOTAL:</b>	<b>4</b>
			<b>DIVISION TOTAL:</b>	<b>13</b>
Operational Support Servcs Division	2210	SCADA & Electrical Support Services	ADMINISTRATIVE ASSISTANT	1
			CYBERSECURITY ANALYST	1
			ELECTRICAL MAINT SUPERVISOR	1
			ELECTRICAL SCADA SUPERVISOR	1
			ELECTRICIAN	3
			INSTRUMENT TECHNICIAN	2
			JOURNEYMAN ELECTRICIAN	3
			MASTER ELECTRICIAN	2
			SCADA & ELEC SUPP SVC MANAGER	1
			SCADA NETWORK ADMINISTRATOR	2
			SCADA SYSTEMS ANALYST	1
			SENIOR SCADA ELECTRONIC TECH	3
			W/WW SCADA SUPERVISOR	1
			W/WW SCADA SYSTEM ADMINISTRATO	1
			<b>ORG TOTAL:</b>	<b>23</b>
	3120	Water Plant I	LEAD W/WW OPERATOR	1
			W/WW OPERATOR A	2
			W/WW OPERATOR C	3
			W/WW OPERATOR CHIEF	1
			W/WW OPERATOR D	1
			WATER TREATMENT MANAGER	1
			WWW OPERATOR APPRENTICE	1
			<b>ORG TOTAL:</b>	<b>10</b>
	3130	Water Plant II	LEAD W/WW OPERATOR	1
			W/WW OPERATOR B	1
			W/WW OPERATOR C	3
			W/WW OPERATOR CHIEF	1
			W/WW OPERATOR D	1
			<b>ORG TOTAL:</b>	<b>7</b>
	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
			<b>ORG TOTAL:</b>	<b>9</b>
	3140	Raw Water Supply	RAW WATER SYSTEM OPERATOR A	1
			RAW WATER SYSTEM OPERATOR C	2
			RAW WATER SYSTEM SUPERVISOR	1
			<b>ORG TOTAL:</b>	<b>4</b>
	3160	Potable Water Transport Services	POTABLE WATER TRANSPORTER	1
			POTABLE WATER TRANSPORTER	1
			<b>ORG TOTAL:</b>	<b>2</b>
	3210	South Wastewater Treatment Plant	LEAD W/WW OPERATOR	1
			W/WW OPERATOR A	3
			W/WW OPERATOR B	2
			W/WW OPERATOR C	1
			W/WW OPERATOR CHIEF	1
			WWW OPERATOR APPRENTICE	1
			<b>ORG TOTAL:</b>	<b>9</b>

**FY 2022 APPROVED BUDGETED NUMBER OF POSITIONS  
BY DIVISION/ORGANIZATION – CONTINUED**

DIVISION NAME		ORGANIZATION	POSITION TITLE	NUMBER OF POSITIONS
Operational Support Servcs Division (continued)	3220	Robindale Wastewater Treatment Plnt	ADMINISTRATIVE ASSISTANT	1
			LEAD W/WW OPERATOR	2
			W/WW OPERATOR A	2
			W/WW OPERATOR C	1
			W/WW OPERATOR CHIEF	1
			WASTEWATER TREATMENT MANAGER	1
			WWW OPERATOR APPRENTICE	2
			<b>ORG TOTAL:</b>	<b>10</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	1
			DIR OF OPERATIONAL SUPP SERV	1
			SENIOR ADMINISTRATIVE ASSISTANT	1
			<b>ORG TOTAL:</b>	<b>4</b>
	7135	Geographic Information Systems	ADMINISTRATIVE ASSISTANT	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
			SMART GRID APPLICATIONS ADMIN.	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
			LD AUTO/HEAVY DUTY EQUIP TECH	1
			<b>ORG TOTAL:</b>	<b>10</b>
			<b>DIVISION TOTAL:</b>	<b>99</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	LEAD NERC COMPLIANCE COORD	2
			NERC COMPL MANAGER & CCO	1
			NERC COMPLIANCE COORDINATOR	1
			SENIOR NERC COMPLIANCE COORD	1
			<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	AREA MANAGER FOR W/WW D & M	1
			SENIOR ADMINISTRATIVE ASST	1
			<b>ORG TOTAL:</b>	<b>2</b>
	3145	W/WW Plant Maintenance	FOREMAN	1
			LEAD MECHANIC	4
			MAINTENANCE MECHANIC	4
			SENIOR MECHANIC	2
			SHIFT SUPERVISOR	1
			<b>ORG TOTAL:</b>	<b>12</b>
	3150	W/WW Operations & Construction	ADMINISTRATIVE ASSISTANT	1
			FOREMAN	2
			JETVAC OPERATOR	2
			JETVAC OPERATOR APPRENTICE	6
			MAINTENANCE WORKER	11
			MOTOR EQUIPMENT OPERATOR	3
			OPERATIONS & SUPPORT ASSISTANT	1
			PIPELAYER	1
			SENIOR MAINTENANCE WORKER	3
			SENIOR MOTOR EQUIP OPERATOR	2
			SHIFT SUPERVISOR	4
			UTILITY TECHNICIAN	5
			W/WW CONST OPER MANAGER	1
			WW CLOSED CIRCUIT TV OPERATOR	3
			<b>ORG TOTAL:</b>	<b>45</b>

**FY 2022 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	ADMINISTRATIVE ASSISTANT	1	
			FOREMAN	2	
			MAINTENANCE WORKER	16	
			MOTOR EQUIP OPER/TRANSPORTER	1	
			MOTOR EQUIPMENT OPERATOR	1	
			PIPELAYER	1	
			SENIOR MAINTENANCE WORKER	3	
			SHIFT SUPERVISOR	4	
			UTILITY TECHNICIAN	4	
			W/WW MAINT OPER MANAGER	1	
			ORG TOTAL:		34
	3225	W/WW Sludge Management	MOTOR EQUIP OPER /TRANSPORTER	1	
			MOTOR EQUIPMENT OPERATOR	3	
			POTABLE WATER TRANSPORTER	2	
			SENIOR MOTOR EQUIP OPERATOR	1	
			SHIFT SUPERVISOR	1	
			UTILITY TECHNICIAN	1	
			ORG TOTAL:		9
	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	ADMINISTRATIVE ASSISTANT	1	
			ENGINEER (REGISTERED)	1	
			FIELD TECHNICIAN	4	
			GRADUATE ENGINEER	1	
			OPERATIONS SOLUTIONS SPEC	1	
			SENIOR CIVIL ENGINEER	2	
			SENIOR COORDINATOR	3	
			SENIOR ENGINEERING TECHNICIAN	2	
			SENIOR GRADUATE ENGINEER	2	
			W/WW ENGINEERING MANAGER	1	
			ORG TOTAL:		18
DIVISION TOTAL:			140		
Grand 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:

	<b>UNAUDITED FY 2021</b>			
	<u>Electric</u>	<u>Water</u>	<u>Wastewater</u>	<u>Total</u>
Revenues	\$ 417,617,324	\$ 27,593,239	\$ 24,203,110	\$ 469,413,673
Expenses	<u>282,376,524</u>	<u>23,407,412</u>	<u>18,864,021</u>	<u>324,647,957</u>
Change in net assets	\$ 135,240,800	\$ 4,185,827	\$ 5,339,089	\$ 144,765,716
Net position, beginning of year				<u>\$ 461,514,164</u>
Net position, end of year				<u><u>\$ 606,279,880</u></u>

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

Change in net position	\$ 135,240,800	\$ 4,185,827	\$ 5,339,089	\$ 144,765,716
Less: Principal Pmts	<u>11,954,860</u>	<u>2,255,923</u>	<u>2,634,315</u>	<u>16,845,098</u>
Funds Available for Capital and Reserve Funds	<u><u>\$ 123,285,940</u></u>	<u><u>\$ 1,929,904</u></u>	<u><u>\$ 2,704,774</u></u>	<u><u>\$ 127,920,618</u></u>

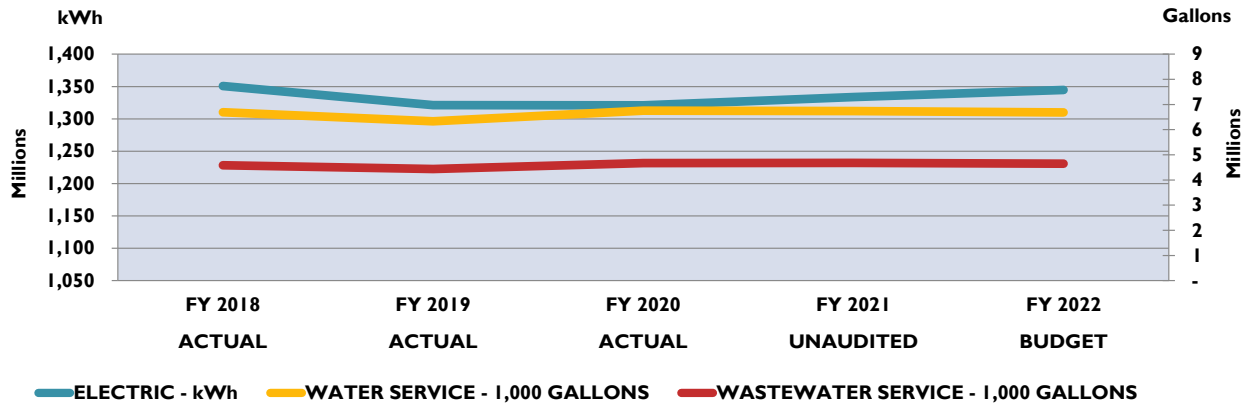
Projected changes in net position for fiscal year 2022 are as follows:

	<b>APPROVED BUDGET FY 2022</b>			
	<u>Electric</u>	<u>Water</u>	<u>Wastewater</u>	<u>Total</u>
Revenues	\$ 173,141,753	\$ 26,531,684	\$ 24,714,066	\$ 224,387,503
Expenses	<u>138,403,673</u>	<u>23,170,909</u>	<u>19,823,532</u>	<u>181,398,114</u>
Change in net position	\$ 34,738,080	\$ 3,360,775	\$ 4,890,534	\$ 42,989,389
Net position, beginning of year				<u>\$ 606,279,880</u>
Net position, end of year				<u><u>\$ 649,269,269</u></u>

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

Change in net position	\$ 34,738,080	\$ 3,360,775	\$ 4,890,534	\$ 42,989,389
Less: Principal Pmts	<u>12,383,064</u>	<u>2,351,938</u>	<u>2,864,998</u>	<u>17,600,000</u>
Funds Available for Capital and Reserve Funds	<u><u>\$ 22,355,016</u></u>	<u><u>\$ 1,008,837</u></u>	<u><u>\$ 2,025,536</u></u>	<u><u>\$ 25,389,389</u></u>

# UNIT SALES STATISTICS



	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	UNAUDITED FY 2021	BUDGET FY 2022
<b>ELECTRIC - kWh</b>					
Residential	588,862,015	574,129,413	602,596,573	619,603,668	598,722,286
Commercial - Non-Demand	136,319,294	136,405,829	133,567,871	133,499,924	135,784,386
Municipal	71,331,446	70,053,851	67,532,502	68,760,660	70,289,537
Commercial - Demand	552,028,532	538,476,727	514,989,472	509,752,301	537,610,836
Other	2,390,778	2,266,542	2,251,157	2,210,581	2,346,026
<i>Total Electric Unit Sales</i>	<u>1,350,932,065</u>	<u>1,321,332,362</u>	<u>1,320,937,575</u>	<u>1,333,827,134</u>	<u>1,344,753,071</u>
<b>WATER SERVICE - 1,000 GALLONS</b>					
Inside City	5,743,114	5,435,140	5,730,053	5,660,788	5,737,432
Outside City	158,189	151,259	162,528	173,261	162,565
Municipal	205,683	195,758	295,212	287,650	241,682
Other	588,476	552,631	569,787	618,991	543,538
<i>Total Water Unit Sales</i>	<u>6,695,462</u>	<u>6,334,788</u>	<u>6,757,580</u>	<u>6,740,690</u>	<u>6,685,217</u>
<b>WASTEWATER SERVICE - 1,000 GALLONS</b>					
Residential	2,745,874	2,592,457	2,807,846	2,786,357	2,782,144
Commercial	1,649,892	1,656,999	1,642,002	1,657,372	1,654,357
Municipal	78,414	76,438	105,756	120,572	92,443
Outside City	111,471	107,474	116,852	116,262	116,460
<i>Total Wastewater Unit Sales</i>	<u>4,585,651</u>	<u>4,433,368</u>	<u>4,672,455</u>	<u>4,680,563</u>	<u>4,645,404</u>

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## **OUTSTANDING DEBT**

The Brownsville PUB has the following bonds outstanding as of September 30, 2021:

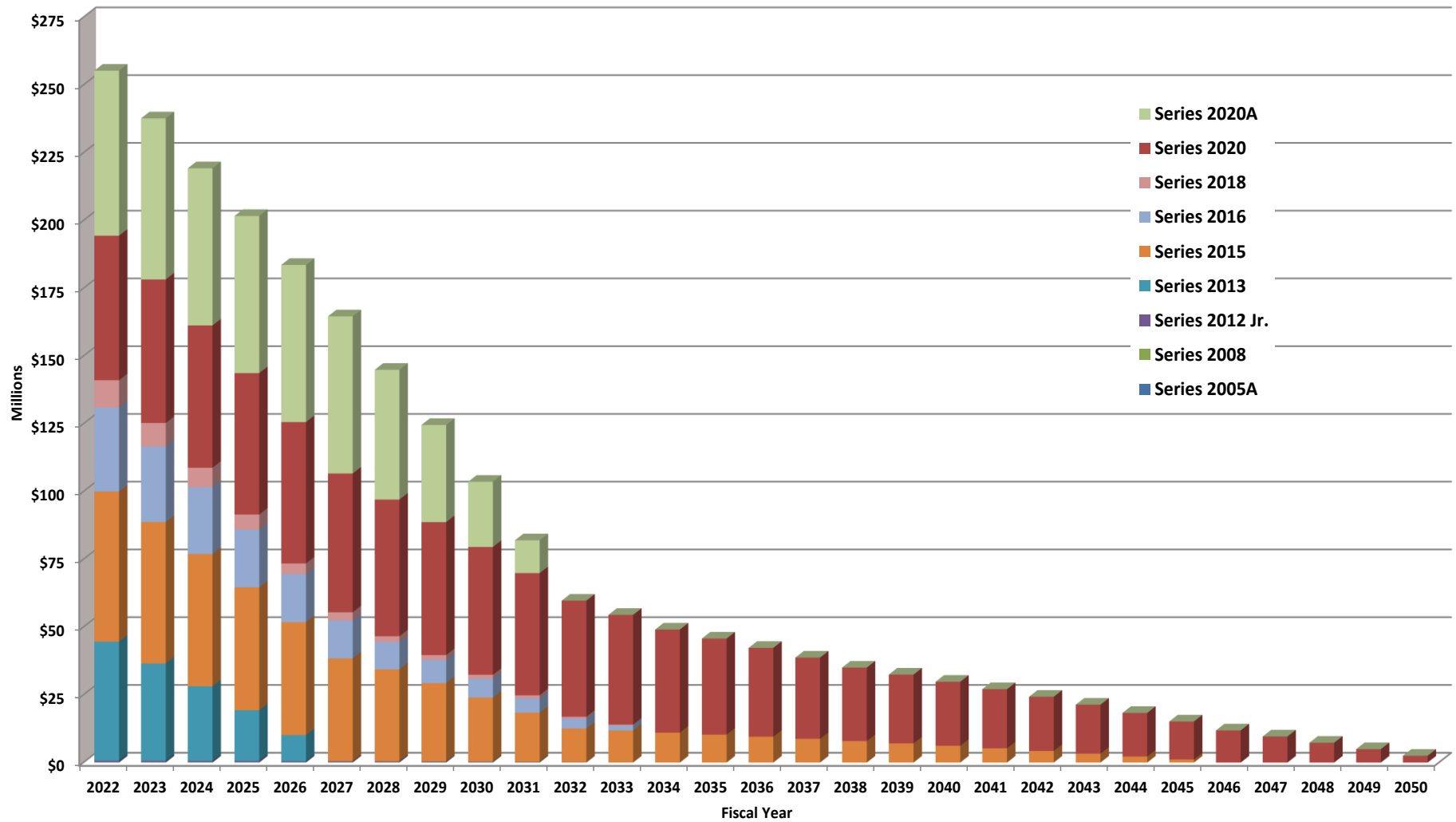
- \$163,725,000 Utilities System Revenue Improvement and Refunding Bonds, Series 2005A, due in a final installment of \$100,000 in 2031 with an interest rate of 5.0%. As of September 30, 2021, the outstanding balance was \$100,000.
- \$77,805,000 Utilities System Revenue Refunding Bonds, Series 2008, due in a final installment of \$100,000 in 2033 with an interest rate of 5.0%. As of September 30, 2021, 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, 2021, the outstanding balance was \$535,000.
- \$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, 2021, the outstanding balance was \$49,687,000.
- \$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, 2021, the outstanding balance was \$55,405,000.
- \$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, 2021, the outstanding balance was \$31,020,000.
- \$14,000,000 Utilities System Revenue Refunding Bonds, Series 2018, due in annual installments of \$270,000 to \$2,515,000 through 2020 with interest rates ranging from 4.0% to 5.0%. As of September 30, 2021, the outstanding balance was \$10,045,000.
- \$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, 2021, the outstanding balance was \$53,320,000.
- \$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, 2021, the outstanding balance was \$60,890,000.

The Brownsville PUB had \$46 million in commercial paper obligations outstanding as of September 30, 2021.

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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	ACTUAL FY 2020	UNAUDITED ACTUAL FY 2021	BUDGET FY 2022
<b><u>ELECTRIC</u></b>						
Principal	\$ 8,533,908	\$ 8,819,970	\$ 9,074,805	\$ 10,200,718	\$ 11,954,860	\$ 12,383,064
Interest	8,754,769	8,488,203	8,328,011	7,796,716	6,758,529	6,605,884
<i>Total</i>	<u>17,288,677</u>	<u>17,308,173</u>	<u>17,402,817</u>	<u>17,997,434</u>	<u>18,713,389</u>	<u>18,988,948</u>
<b><u>WATER</u></b>						
Principal	1,741,880	1,789,630	1,817,648	1,879,604	2,255,923	2,351,938
Interest	1,725,679	1,685,944	1,683,713	1,577,780	1,405,035	1,395,483
<i>Total</i>	<u>3,467,559</u>	<u>3,475,574</u>	<u>3,501,360</u>	<u>3,457,384</u>	<u>3,660,958</u>	<u>3,747,421</u>
<b><u>WASTEWATER</u></b>						
Principal	2,638,212	2,674,885	2,521,848	2,277,874	2,634,315	2,864,998
Interest	2,383,360	2,336,644	2,340,705	2,211,098	2,178,227	2,075,213
<i>Total</i>	<u>5,021,572</u>	<u>5,011,529</u>	<u>4,862,553</u>	<u>4,488,972</u>	<u>4,812,542</u>	<u>4,940,211</u>
<b><i>TOTAL ALL SYSTEMS</i></b>	<u>\$ 25,777,808</u>	<u>\$ 25,795,275</u>	<u>\$ 25,766,730</u>	<u>\$ 25,943,791</u>	<u>\$ 27,186,889</u>	<u>\$ 27,676,580</u>
<b><u>SUMMARY</u></b>						
	ACTUAL FY 2017	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	UNAUDITED ACTUAL FY 2021	BUDGET FY 2022
Principal	\$ 12,914,000	\$ 13,284,485	\$ 13,414,301	\$ 14,358,196	\$ 16,845,097	\$ 17,600,000
Interest	12,863,808	12,510,790	12,352,429	11,585,595	10,341,791	10,076,580
<i>Total</i>	<u>\$ 25,777,808</u>	<u>\$ 25,795,275</u>	<u>\$ 25,766,730</u>	<u>\$ 25,943,791</u>	<u>\$ 27,186,889</u>	<u>\$ 27,676,580</u>

**NOTE:**

Actual budget based on principal and interest payments made annually on September 30<sup>th</sup>.  
Commercial Paper for FY 2022 will incur \$472,500 of interest expense.

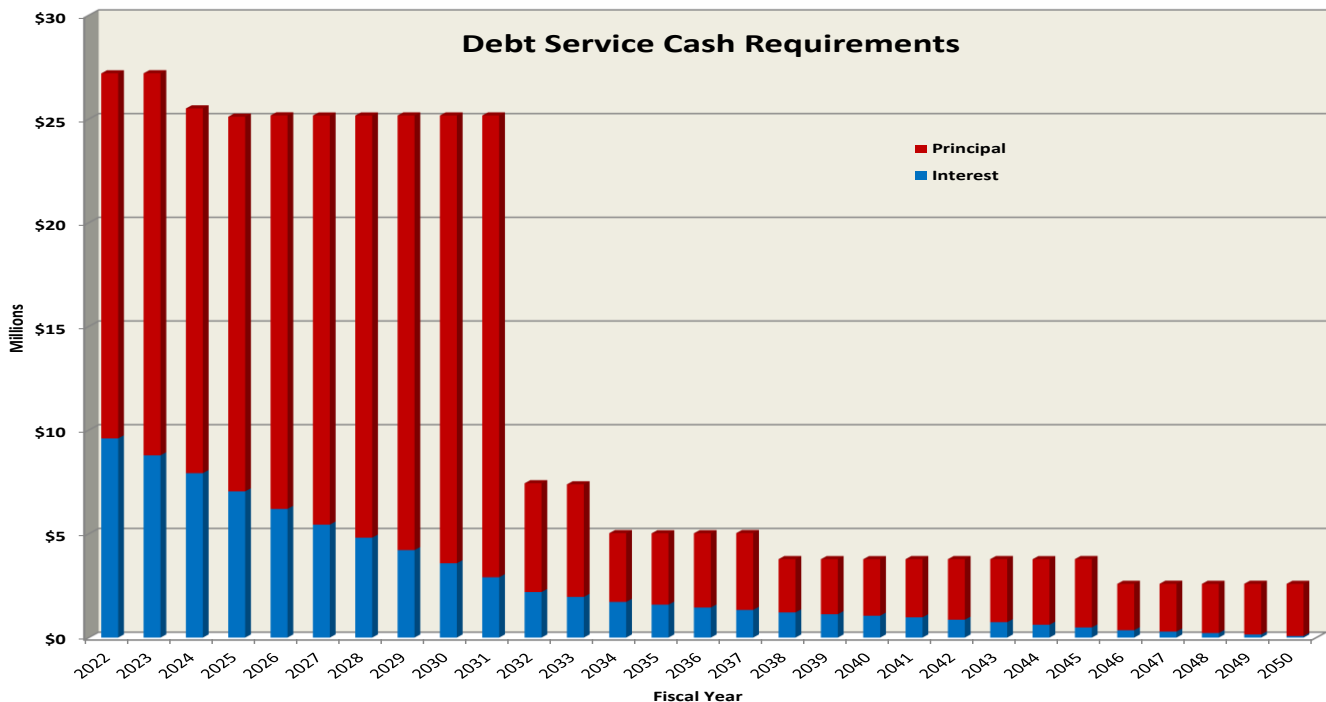
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## DEBT SERVICE REQUIREMENTS BY FISCAL YEAR

Yr End Sep 1,	Yrs	Principal	Interest	Total Debt Svc Requirements	Declining Debt Svc Balance
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>255,285,000</u>	<u>78,980,873</u>	<u>334,265,873</u>	

### NOTE:

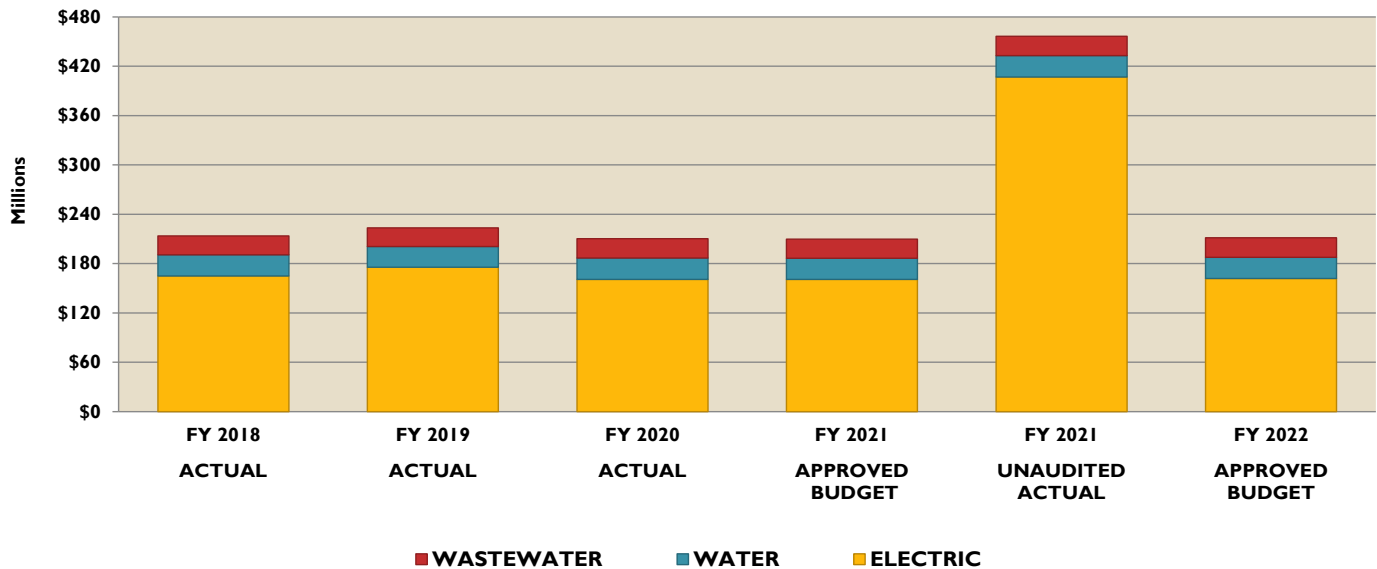
Debt Service schedule does not include debt associated with commercial paper expense of \$472,500 for the Electric, Water and Wastewater Systems approved for FY 2022.



# ***REVENUES***

## SALES & SERVICES TO CUSTOMERS OPERATING REVENUES BY SYSTEM

	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
ELECTRIC	\$ 164,927,400	\$ 175,667,849	\$ 160,823,487	\$ 160,919,729	\$ 406,785,970	\$ 161,926,103
WATER	25,725,623	25,162,950	26,064,387	25,713,195	26,272,204	25,653,818
WASTEWATER	22,920,389	22,696,007	23,444,247	23,132,639	23,381,370	23,836,200
TOTAL	\$ 213,573,412	\$ 223,526,806	\$ 210,332,121	\$ 209,765,563	\$ 456,439,544	\$ 211,416,121

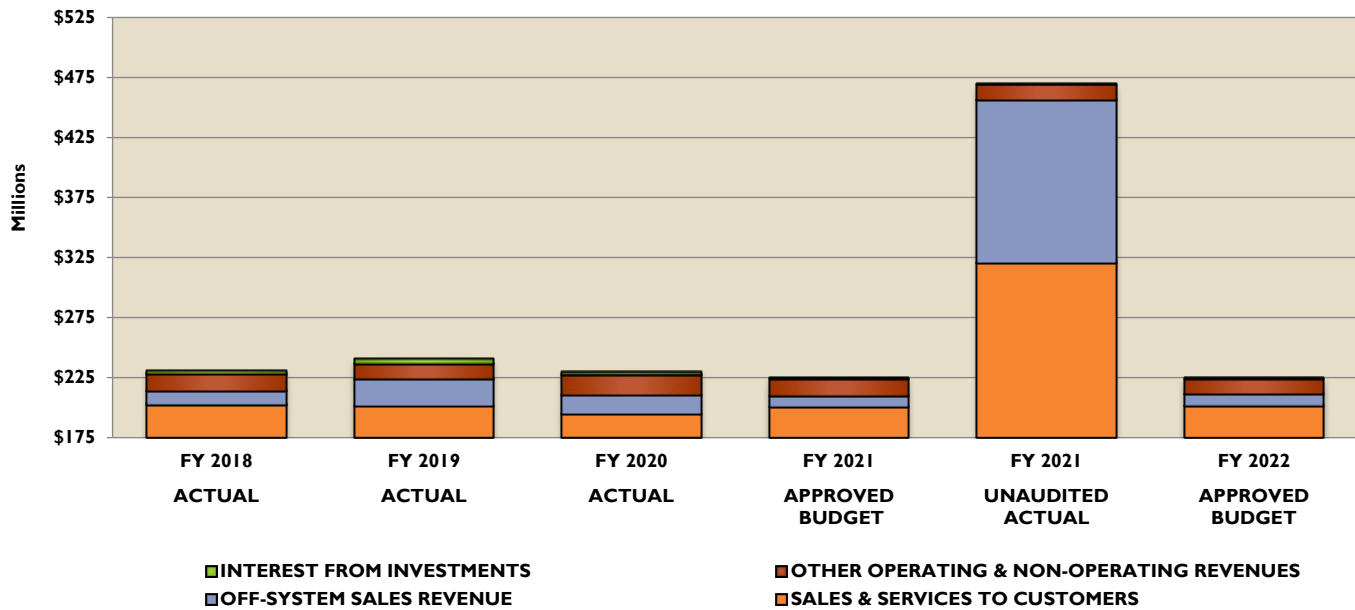


Operating revenues for all three utilities include base rate charges billed to customers. Electric Operating Revenues also include the recovery of fuel and purchased energy charges as well as Electric Reliability Council of Texas (ERCOT) related off-system sales. The unusually high Electric Sales are primarily attributable to the Winter Storm Uri event in February 2021.

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## REVENUES BY SOURCE

	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
SALES & SERVICES TO CUSTOMERS	\$ 202,506,061	\$ 200,951,310	\$ 194,221,166	\$ 200,365,563	\$ 320,330,745	\$ 201,416,121
OFF-SYSTEM SALES REVENUE	11,067,351	22,575,496	16,110,955	9,400,000	136,108,799	10,000,000
INTEREST FROM INVESTMENTS	2,789,767	4,096,380	2,092,892	900,000	268,114	300,000
OTHER OPERATING & NON-OPERATING REVENUES	14,352,952	12,457,008	16,882,629	13,951,973	12,706,015	12,671,382
TOTAL	\$ 230,716,131	\$ 240,080,194	\$ 229,307,642	\$ 224,617,536	\$ 469,413,673	\$ 224,387,503



### NOTE:

The unusually high sales & service to customers and off -system sales revenue are in the electric utility and are primarily attributable to the Winter Storm Uri event in February 2021.

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

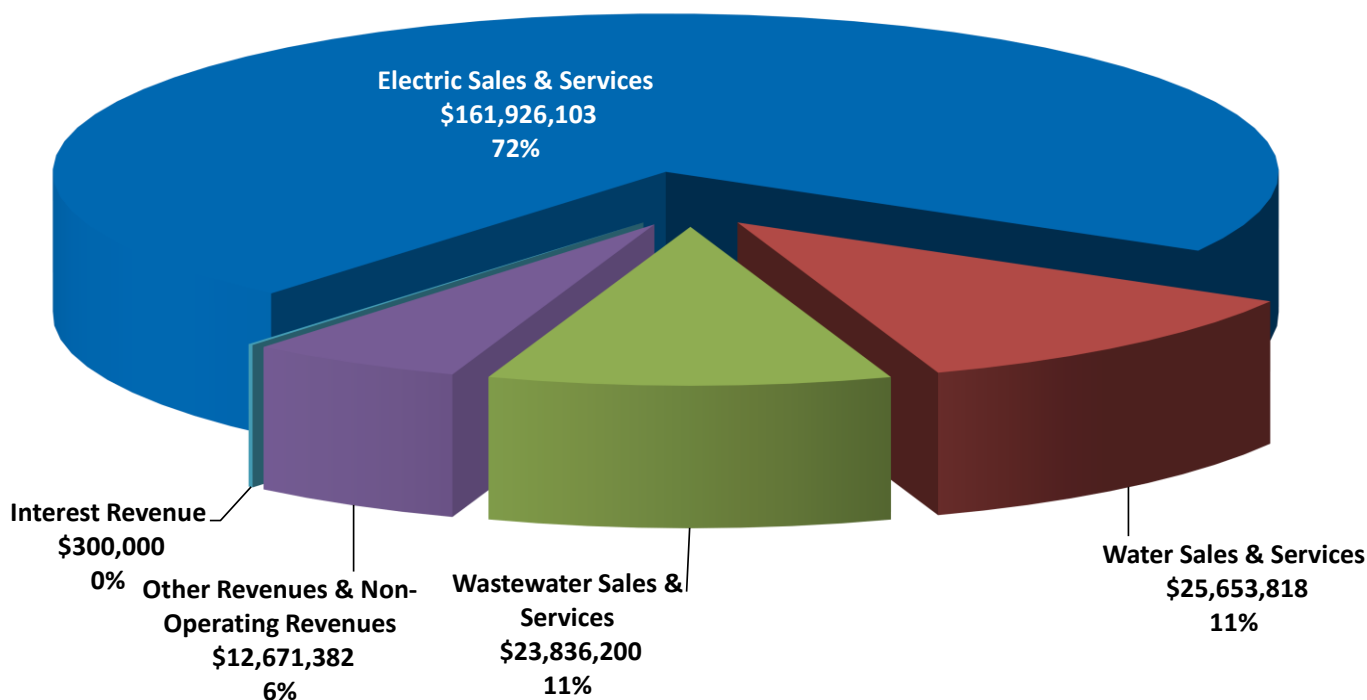
### **SOURCES**

In FY 2022, Brownsville PUB expects to generate 89.76% of revenues through base rates charged to customers and from the Fuel & Purchased Energy Charge (FPEC). Off-system sales revenue (ERCOT related transactions) make up 4.46% of the total revenue budget for FY 2022. Because of the uncertainty of these off-system sales BPUB takes a conservative approach to forecasting them. The remainder is made up of interest from investments and other operating and non-operating revenues (other revenues) which 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 ERCOT congestion rights revenues. These other revenues are relatively stable therefore the forecast is based on historical averages.

### **FY 2022 REVENUES BY SOURCES**

	<u>ELECTRIC</u>	<u>WATER</u>	<u>WASTEWATER</u>	<u>TOTAL</u>
SALES & SERVICES TO CUSTOMERS	\$ 151,926,103	\$ 25,653,818	\$ 23,836,200	\$ 201,416,121
OFF-SYSTEM SALES REVENUE	10,000,000	-	-	10,000,000
INTEREST FROM INVESTMENTS	180,000	60,000	60,000	300,000
OTHER OPERATING & NON-OPERATING REVENUES	11,035,650	817,866	817,866	12,671,382
	<u>\$ 173,141,753</u>	<u>\$ 26,531,684</u>	<u>\$ 24,714,066</u>	<u>\$ 224,387,503</u>

### **FY 2022 REVENUES BY SYSTEM AND SOURCES**



## ASSUMPTIONS AND TRENDS

The Brownsville PUB estimated unit sales, sales revenues and customer billings for FY 2022 for the electric, water and wastewater systems. Unit sales and revenues are based on five-year average historic data of customer sales and financial results with a customer growth factor added to the calculations. 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.

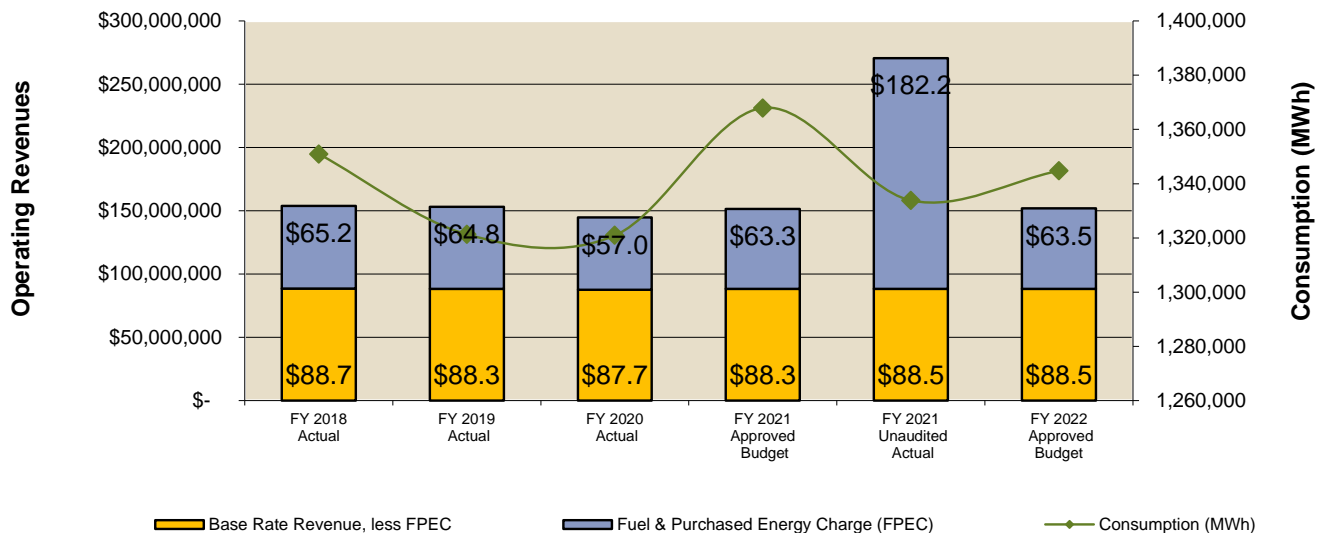
Electric, water and wastewater revenues were developed using current City Commission approved rates.

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 2022 electric sales revenues (excluding off-system sales) are expected to increase \$0.41 million or 0.27% above the FY 2021 Budget levels.

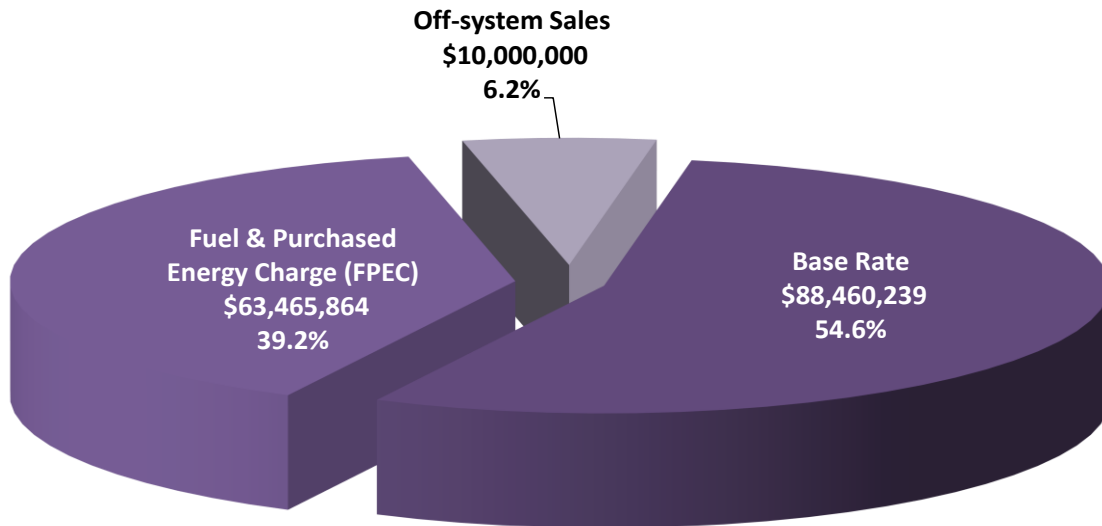
Electric consumption and operating revenues are depicted in the chart below



Fiscal Years 2021 and 2022 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 2022, will be approximately \$151.93 million compared to \$151.52 million budgeted in 2021. The exceptionally high fuel & purchased energy charge in FY 2021 is primarily due to the Winter Storm Uri event in February 2021.



The following graph shows electric sales revenues by revenue source:



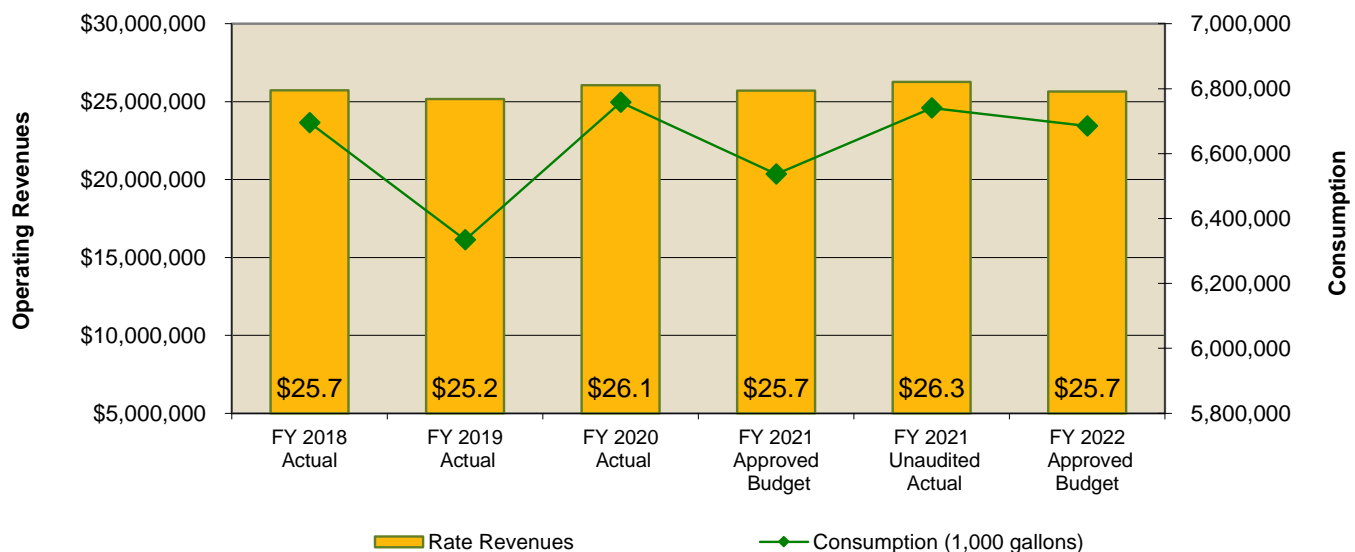
Based upon a review of historical customer statistics, customer accounts have increased on average by approximately 1.4% per year. For the fiscal year ended September 30, 2021, Brownsville PUB's approximate 52,592 electric customers were comprised of 87.9% residential, 11.0% commercial/industrial, and 1.1% municipal. Residential, commercial/industrial, and municipal customers provided approximately 49.6%, 45.8% and 4.6%, 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 2022 water revenues are expected to decrease by \$59,377 or -0.23% below FY 2021 budget levels.

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



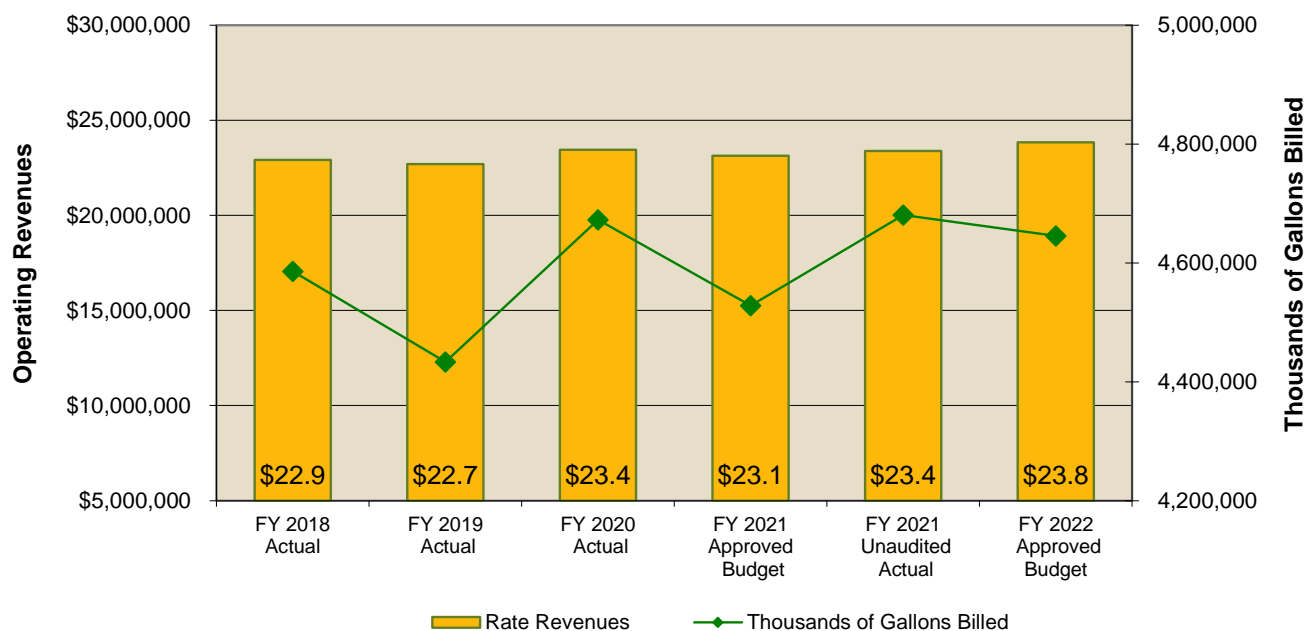
For the fiscal year ended 2021, Brownsville PUB's approximate 53,500 water customers were comprised of residential, commercial, and municipal customers within the City and adjacent unincorporated areas. Brownsville PUB also sells treated water at wholesale rates to three water distribution systems and in FY 2021 these sales accounted for approximately 5.93% of the water system's sales revenues and 9.18% 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 historical trends.

## **WASTEWATER**

Total FY 2022 wastewater revenues are expected to increase by \$703,561 or 3.04% above FY 2021 budget levels.

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



The wastewater system provided service to approximately 53,974 customers at the end of FY 2021 and accounted for approximately 7.3% of the Brownsville PUB's total operating revenues during that period.

The remaining other operating revenues and non-operating revenues were estimated for the periods based upon historical trends.

**TOTAL UTILITY COMBINED REVENUES & REQUIREMENTS**  
**FY 2018 – FY 2022**

	FY 2018 Actual	FY 2019 Actual	FY 2020 Actual	FY 2021 Approved Budget	FY 2021 <b>Unaudited</b> Actual	FY 2022 Approved Budget
1 Operating Revenues	\$ 202,506,061	\$ 200,951,310	\$ 194,221,166	\$ 200,365,563	\$ 320,330,745	\$ 201,416,121
2 Off-system Sales Revenues	11,067,351	22,575,496	16,110,955	9,400,000	136,108,799	10,000,000
3 Net Operating Revenues	213,573,412	223,526,806	210,332,121	209,765,563	456,439,544	211,416,121
4 Interest from Investments	2,789,767	4,096,380	2,092,892	900,000	268,114	300,000
5 Other Revenues	12,705,173	10,872,968	15,288,689	12,606,637	10,570,346	11,111,382
6 Other Non-operating Revenues	1,647,779	1,584,040	1,593,940	1,345,336	2,135,669	1,560,000
7 Gross Revenues	230,716,131	240,080,194	229,307,642	224,617,536	469,413,673	224,387,503
8 Less:						
9 Fuel & Energy Costs	63,090,839	62,712,666	54,922,676	63,255,865	180,189,398	63,465,864
10 Off-system Sales Expenses	5,301,075	7,751,089	11,073,906	7,050,000	32,719,525	6,000,000
11 SRWA O&M	3,844,573	3,818,338	3,785,726	3,960,083	3,960,083	4,000,741
12 SRWA Debt Service	2,090,064	2,134,891	2,113,521	2,110,980	1,434,210	2,115,131
13 Adjusted Gross Revenues	156,389,580	163,663,210	157,411,813	148,240,608	251,110,457	148,805,767
14 Personnel O&M Expenses	40,951,849	45,018,656	42,388,241	44,094,628	40,617,779	47,086,263
15 Non-Personnel O&M Expenses	33,280,081	32,109,752	33,087,871	33,879,689	33,869,413	37,919,028
16 Subtotal O&M Expenses	74,231,930	77,128,408	75,476,112	77,974,317	74,487,192	85,005,291
17 Other Non-Operating Expenses	794,953	1,592,628	1,153,038	1,100,000	(3,595,288)	1,100,000
18 Balance Available for Debt Service and Other Legal Purposes	81,362,697	84,942,174	80,782,663	69,166,291	180,218,553	62,700,476
19 Debt Service:						
20 Existing	25,627,696	25,323,972	25,492,307	27,204,624	27,178,028	27,204,080
21 Commercial Paper Interest Expense	167,579	442,758	451,484	70,000	8,861	472,500
22 Total Debt Service & CP Expense	25,795,275	25,766,730	25,943,791	27,274,624	27,186,889	27,676,580
23 Available After Debt Service	55,567,422	59,175,444	54,838,872	41,891,667	153,031,664	35,023,896
24 Other Uses of Cash:						
25 COB Cash Transfer	11,090,234	11,878,222	11,170,349	9,528,715	20,524,044	9,634,507
26 COB Usage	4,548,723	4,488,098	4,570,831	5,295,345	4,587,001	5,246,069
27 Total Cash/Utility Benefit COB	15,638,957	16,366,320	15,741,181	14,824,061	25,111,045	14,880,577
28 Balance Available to Surplus for Transfers Out	<u>\$ 39,928,465</u>	<u>\$ 42,809,124</u>	<u>\$ 39,097,691</u>	<u>\$ 32,362,952</u>	<u>\$ 127,920,619</u>	<u>\$ 25,389,389</u>
29 <u>Proposed Uses of Balance Available for Transfers Out:</u>						
30 Operating Subaccount-Fuel Adjustment	\$ 25,500,000	\$ 23,000,000	\$ 18,000,000	\$ 16,000,000	\$ 16,000,000	\$ 16,000,000
31 Improvement Fund- CIP Funding	5,982,374	6,880,095	10,300,503	7,378,540	7,378,540	7,389,389
32 Commercial Paper Defeasance	-	-	-	2,000,000	2,000,000	2,000,000
33 Total Transfers Out	31,482,374	29,880,095	28,300,503	25,378,540	25,378,540	25,389,389
34 Balance Available to BPUB:						
35 Improvement Fund - Surplus Revenues	8,446,091	12,929,029	10,797,188	6,984,412	102,542,079	-
36 Total	<u>\$ 39,928,465</u>	<u>\$ 42,809,124</u>	<u>\$ 39,097,691</u>	<u>\$ 32,362,952</u>	<u>\$ 127,920,619</u>	<u>\$ 25,389,389</u>
37 Debt Service Coverage Ratio	3.15	3.30	3.11	2.54	6.63	2.27

**ELECTRIC REVENUES & REQUIREMENTS**  
**FY 2018 – FY 2022**

	FY 2018 Actual	FY 2019 Actual	FY 2020 Actual	FY 2021 Approved Budget	FY 2021 <b>Unaudited</b> Actual	FY 2022 Approved Budget
1 Operating Revenues	\$ 153,860,049	\$ 153,092,353	\$ 144,712,532	\$ 151,519,729	\$ 270,677,171	\$ 151,926,103
2 Off-system Sales Revenues	11,067,351	22,575,496	16,110,955	9,400,000	136,108,799	10,000,000
3 Net Operating Revenues	164,927,400	175,667,849	160,823,487	160,919,729	406,785,970	161,926,103
4 Interest from Investments	1,719,313	2,514,764	1,288,680	540,000	162,438	180,000
5 Other Revenues	11,152,383	9,324,964	14,303,091	11,479,061	8,941,286	9,820,650
6 Other Non-operating Revenues	1,253,078	1,189,676	1,190,549	1,015,336	1,727,630	1,215,000
7 Gross Revenues	179,052,174	188,697,253	177,605,807	173,954,126	417,617,324	173,141,753
8 Less:						
9 Fuel & Energy Costs	63,090,839	62,712,666	54,922,676	63,255,865	180,189,398	63,465,864
10 Off-system Sales Expenses	5,301,075	7,751,089	11,073,906	7,050,000	32,719,525	6,000,000
11 SRWA O&M	-	-	-	-	-	-
12 SRWA Debt Service	-	-	-	-	-	-
13 Adjusted Gross Revenues	110,660,260	118,233,498	111,609,225	103,648,261	204,708,401	103,675,889
14 Personnel O&M Expenses	21,511,000	26,651,027	24,054,127	25,710,256	23,099,143	27,633,546
15 Non-Personnel O&M Expenses	21,649,685	20,711,774	21,813,337	23,883,419	22,797,988	28,028,176
16 Subtotal O&M Expenses	43,160,685	47,362,801	45,867,464	49,593,675	45,897,131	55,661,722
17 Other Non-Operating Expenses	284,878	15,005	578,026	500,000	(3,658,899)	500,000
18 Balance Available for Debt Service and Other Legal Purposes	67,214,697	70,855,692	65,163,735	53,554,586	162,470,169	47,514,167
19 Debt Service:						
20 Existing	17,209,083	17,141,014	17,730,472	18,723,383	18,708,149	18,714,898
21 Commercial Paper Interest Expense	99,089	261,803	266,962	40,600	5,240	274,050
22 Total Debt Service & CP Expense	17,308,172	17,402,817	17,997,434	18,763,983	18,713,389	18,988,948
23 Available After Debt Service	49,906,525	53,452,875	47,166,301	34,790,603	143,756,780	28,525,219
24 Other Uses of Cash:						
25 COB Cash Transfer	7,486,259	8,295,604	7,742,541	6,008,384	17,039,951	6,170,203
26 COB Usage	3,579,766	3,527,745	3,418,381	4,356,442	3,430,888	4,197,386
27 Total Cash/Utility Benefit COB	11,066,025	11,823,349	11,160,922	10,364,826	20,470,839	10,367,589
28 Balance Available to Surplus for Transfers Out	<u>\$ 38,840,500</u>	<u>\$ 41,629,526</u>	<u>\$ 36,005,379</u>	<u>\$ 28,782,219</u>	<u>\$ 123,285,941</u>	<u>\$ 22,355,016</u>
29 <u>Proposed Uses of Balance Available for Transfers Out:</u>						
30 Operating Subaccount-Fuel Adjustment	\$ 25,500,000	\$ 23,000,000	\$ 18,000,000	\$ 16,000,000	\$ 16,000,000	\$ 16,000,000
31 Improvement Fund- CIP Funding	5,737,338	6,880,095	8,818,393	6,104,967	6,104,967	4,355,016
32 Commercial Paper Defeasance	-	-	-	2,000,000	2,000,000	2,000,000
33 Total Transfers Out	31,237,338	29,880,095	26,818,393	24,104,967	24,104,967	22,355,016
34 Balance Available to BPUB:						
35 Improvement Fund - Surplus Revenues	7,603,162	11,749,431	9,186,986	4,677,252	99,180,974	-
36 Total	<u>\$ 38,840,500</u>	<u>\$ 41,629,526</u>	<u>\$ 36,005,379</u>	<u>\$ 28,782,219</u>	<u>\$ 123,285,941</u>	<u>\$ 22,355,016</u>
37 Debt Service Coverage Ratio	3.88	4.07	3.62	2.85	8.68	2.50

# WATER REVENUES & REQUIREMENTS

## FY 2018 – FY 2022

	FY 2018 Actual	FY 2019 Actual	FY 2020 Actual	FY 2021 Approved Budget	FY 2021 Unaudited Actual	FY 2022 Approved Budget
1 Operating Revenues	\$ 25,725,623	\$ 25,162,950	\$ 26,064,387	\$ 25,713,195	\$ 26,272,204	\$ 25,653,818
2 Off-system Sales Revenues	-	-	-	-	-	-
3 Net Operating Revenues	25,725,623	25,162,950	26,064,387	25,713,195	26,272,204	25,653,818
4 Interest from Investments	535,227	790,808	402,106	180,000	52,838	60,000
5 Other Revenues	998,603	1,019,821	653,579	563,788	1,063,842	645,366
6 Other Non-operating Revenues	200,674	197,252	208,414	165,000	204,355	172,500
7 Gross Revenues	27,460,127	27,170,831	27,328,486	26,621,983	27,593,239	26,531,684
8 Less:						
9 Fuel & Energy Costs	-	-	-	-	-	-
10 Off-system Sales Expenses	-	-	-	-	-	-
11 SRWA O&M	3,844,573	3,818,338	3,785,726	3,960,083	3,960,083	4,000,741
12 SRWA Debt Service	2,090,064	2,134,891	2,113,521	2,110,980	1,434,210	2,115,131
13 Adjusted Gross Revenues	21,525,490	21,217,602	21,429,239	20,550,920	22,198,946	20,415,812
14 Personnel O&M Expenses	9,258,699	8,332,114	9,041,211	8,449,981	8,928,125	8,976,947
15 Non-Personnel O&M Expenses	6,586,640	5,719,687	6,376,861	5,066,059	5,073,675	5,021,082
16 Subtotal O&M Expenses	15,845,339	14,051,801	15,418,072	13,516,040	14,001,800	13,998,029
17 Other Non-Operating Expenses	227,543	842,202	173,407	300,000	(200,072)	300,000
18 Balance Available for Debt Service and Other Legal Purposes	5,452,608	6,323,599	5,837,760	6,734,880	8,397,218	6,117,783
19 Debt Service:						
20 Existing	3,447,387	3,426,888	3,381,445	3,663,274	3,659,468	3,662,371
21 Commercial Paper Interest Expense	28,187	74,472	75,940	12,600	1,490	85,050
22 Total Debt Service & CP Expense	3,475,574	3,501,360	3,457,385	3,675,874	3,660,958	3,747,421
23 Available After Debt Service	1,977,034	2,822,239	2,380,375	3,059,006	4,736,260	2,370,362
24 Other Uses of Cash:						
25 COB Cash Transfer	1,509,013	1,489,232	1,408,276	1,435,081	1,502,302	1,361,525
26 COB Usage	643,536	632,528	734,648	620,011	717,593	680,056
27 Total Cash/Utility Benefit COB	2,152,549	2,121,760	2,142,924	2,055,092	2,219,895	2,041,581
28 Balance Available to Surplus for Transfers Out	\$ (175,515)	\$ 700,479	\$ 237,451	\$ 1,623,925	\$ 2,516,365	\$ 1,008,837
29 <u>Proposed Uses of Balance Available for Transfers Out:</u>						
30 Operating Subaccount-Fuel Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31 Improvement Fund- CIP Funding	-	-	811,011	519,923	519,923	1,008,837
32 Commercial Paper Defeasance	-	-	-	-	-	-
33 Total Transfers Out	-	-	811,011	519,923	519,923	1,008,837
34 Balance Available to BPUB:						
35 Improvement Fund - Surplus Revenues	(175,515)	700,479	(573,560)	1,104,002	1,996,442	-
36 Total	\$ (175,515)	\$ 700,479	\$ 237,451	\$ 1,623,925	\$ 2,516,365	\$ 1,008,837
37 Debt Service Coverage Ratio	1.57	1.81	1.69	1.83	2.29	1.63

# WASTEWATER REVENUES & REQUIREMENTS

## FY 2018 – FY 2022

	FY 2018 Actual	FY 2019 Actual	FY 2020 Actual	FY 2021 Approved Budget	FY 2021 <b>Unaudited</b> Actual	FY 2022 Approved Budget
1 Operating Revenues	\$ 22,920,389	\$ 22,696,007	\$ 23,444,247	\$ 23,132,639	\$ 23,381,370	\$ 23,836,200
2 Off-system Sales Revenues	-	-	-	-	-	-
3 Net Operating Revenues	22,920,389	22,696,007	23,444,247	23,132,639	23,381,370	23,836,200
4 Interest from Investments	535,227	790,808	402,106	180,000	52,838	60,000
5 Other Revenues	554,187	528,183	332,019	563,788	565,218	645,366
6 Other Non-operating Revenues	194,027	197,112	194,977	165,000	203,684	172,500
7 Gross Revenues	24,203,830	24,212,110	24,373,349	24,041,427	24,203,110	24,714,066
8 Less:						
9 Fuel & Energy Costs	-	-	-	-	-	-
10 Off-system Sales Expenses	-	-	-	-	-	-
11 SRWA O&M	-	-	-	-	-	-
12 SRWA Debt Service	-	-	-	-	-	-
13 Adjusted Gross Revenues	24,203,830	24,212,110	24,373,349	24,041,427	24,203,110	24,714,066
14 Personnel O&M Expenses	10,182,150	10,035,515	9,292,903	9,934,391	8,590,511	10,475,770
15 Non-Personnel O&M Expenses	5,043,756	5,678,291	4,897,673	4,930,211	5,997,751	4,869,770
16 Subtotal O&M Expenses	15,225,906	15,713,806	14,190,576	14,864,602	14,588,261	15,345,540
17 Other Non-Operating Expenses	282,532	735,421	401,605	300,000	263,683	300,000
18 Balance Available for Debt Service and Other Legal Purposes	8,695,392	7,762,883	9,781,168	8,876,825	9,351,166	9,068,526
19 Debt Service:						
20 Existing	4,971,226	4,756,070	4,380,390	4,817,967	4,810,411	4,826,811
21 Commercial Paper Interest Expense	40,303	106,483	108,582	16,800	2,131	113,400
22 Total Debt Service & CP Expense	5,011,529	4,862,553	4,488,972	4,834,767	4,812,542	4,940,211
23 Available After Debt Service	3,683,863	2,900,330	5,292,196	4,042,058	4,538,624	4,128,315
24 Other Uses of Cash:						
25 COB Cash Transfer	2,094,962	2,093,386	2,019,532	2,085,250	1,981,791	2,102,779
26 COB Usage	325,421	327,825	417,803	318,893	438,520	368,628
27 Total Cash/Utility Benefit COB	2,420,383	2,421,211	2,437,335	2,404,143	2,420,311	2,471,407
28 Balance Available to Surplus for Transfers Out	\$ 1,263,480	\$ 479,119	\$ 2,854,861	\$ 1,956,808	\$ 2,118,313	\$ 2,025,536
29 <u>Proposed Uses of Balance Available for Transfers Out:</u>						
30 Operating Subaccount-Fuel Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31 Improvement Fund- CIP Funding	245,036	-	671,099	753,650	753,650	2,025,536
32 Commercial Paper Defeasance	-	-	-	-	-	-
33 Total Transfers Out	245,036	-	671,099	753,650	753,650	2,025,536
34 Balance Available to BPUB:						
35 Improvement Fund - Surplus Revenues	1,018,444	479,119	2,183,762	1,203,158	1,364,663	-
36 Total	\$ 1,263,480	\$ 479,119	\$ 2,854,861	\$ 1,956,808	\$ 2,118,313	\$ 2,025,536
37 Debt Service Coverage Ratio	1.74	1.60	2.18	1.84	1.94	1.84

**APPROVED AND PROJECTED REVENUES & REQUIREMENTS  
COMBINED UTILITY  
FY 2022 – FY 2027**

Line No.	Description	APPROVED FY 2022	PROJECTED FY 2023	PROJECTED FY 2024	PROJECTED FY 2025	PROJECTED FY 2026	PROJECTED FY 2027
1	Operating Revenues	201,416,121	204,064,941	206,752,942	209,480,770	212,249,083	215,058,549
2	Off-system Sales	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000
3	Net Operating Revenues	211,416,121	214,064,941	216,752,942	219,480,770	222,249,083	225,058,549
4	Interest on Investments	300,000	303,000	306,030	309,090	312,181	315,303
6	Other Revenues	11,111,382	11,222,496	11,334,721	11,448,068	11,562,549	11,678,174
7	Other Non-Operating Revenues	1,560,000	1,575,600	1,591,356	1,607,270	1,623,342	1,639,576
8	Gross Revenues	224,387,503	227,166,037	229,985,049	232,845,198	235,747,155	238,691,601
9	LESS:						
10	Production (Fuel, Purchased Power, Other)	63,465,864	64,735,181	66,029,885	67,350,483	68,697,492	70,071,442
11	Off-system Energy Expenses	6,000,000	6,120,000	6,242,400	6,367,248	6,494,593	6,624,485
12	SRWA O&M	4,000,741	4,040,748	4,081,156	4,121,967	4,163,187	4,204,819
13	SRWA Debt Service	2,115,131	2,136,282	2,157,645	2,179,222	2,201,014	2,223,024
14	Adjusted Gross Revenues	148,805,767	150,133,825	151,473,963	152,826,279	154,190,869	155,567,832
15	Personnel (O&M)	46,265,104	48,027,988	48,988,548	49,968,319	50,967,685	51,987,039
16	Non-Personnel (O&M)	37,919,028	38,677,409	39,450,957	40,239,976	41,044,775	41,865,671
17	Total O&M	85,005,291	86,705,397	88,439,505	90,208,295	92,012,461	93,852,710
18	Other Non-Operating Expenses	1,100,000	1,100,000	1,100,000	1,100,000	1,100,000	1,100,000
19	Total Operating Expenses	161,687,027	164,837,609	168,050,591	171,327,214	174,668,747	178,076,480
20	Balance Available for Debt Svc & Other Legal Purposes	62,700,476	62,328,428	61,934,458	61,517,984	61,078,408	60,615,122
21	Debt Service:						
22	Existing	27,204,080	27,882,606	28,773,802	29,729,478	29,791,892	29,781,206
23	Commercial Paper Interest Expense	472,500	70,000	70,000	70,000	70,000	70,000
24	Total Debt Service Requirements	27,676,580	27,952,606	28,843,802	29,799,478	29,861,892	29,851,206
25	Available After Debt Service	35,023,896	34,375,822	33,090,656	31,718,506	31,216,516	30,763,916
26	Other Uses of Cash:						
27	Calculated City Transfer	14,880,577	15,013,383	15,147,396	15,282,628	15,419,088	15,556,783
28	COB Usage	(5,246,070)	(5,298,531)	(5,351,516)	(5,405,031)	(5,459,081)	(5,513,672)
29	Net Cash Transfer to COB	9,634,507	9,714,852	9,795,880	9,877,597	9,960,006	10,043,111
30	Balance Available to Surplus for Transfers Out	25,389,389	24,660,970	23,294,776	21,840,909	21,256,510	20,720,805
31	Approved Uses of Balance Available for Transfers Out:						
32	Operating Subaccount - Fuel Adjustment	16,000,000	-	-	-	-	-
33	Improvement Fund- CIP Funding	7,389,389	23,160,970	23,294,776	21,840,909	21,256,510	20,720,805
34	Commercial Paper Defeasance	2,000,000	1,500,000	-	-	-	-
35	Total Transfers Out	25,389,389	24,660,970	23,294,776	21,840,909	21,256,510	20,720,805
36	Balance Available to BPUB:						
37	Improvement Fund - Surplus Revenues	-	-	-	-	-	-
38	Total	25,389,389	24,660,970	23,294,776	21,840,909	21,256,510	20,720,805
39	Debt Service Coverage	2.27	2.23	2.15	2.06	2.05	2.03

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

- Sales & Service to Customers reflect 1% growth on base rates and 2% on fuel & purchased energy charges
- Off System Sales Revenue and Other Operating & Non-Operating Revenues primarily include unpredictable ERCOT related transactions which are conservatively based on historical averages.
- Interest from Investments have decreased recently based on changing market conditions and are forecasted to decrease in FY 2022 and level off going forward.
- SRWA and O&M expenses are forecasted to increase by 2% based on average national inflation rates.
- Other Non-Operating Expenses have and should continue to remain relatively flat.
- Debt Service is expected to increase during FY 2023 due to the conversion of Commercial Paper notes 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 1% annually.

This forecast is designed to provide sufficient funding for the goals of the five-year strategic plan, including customer and community engagement, workforce development and continuity, organizational preparedness and resiliency, process improvement, reliable infrastructure and technology and innovation.

***OPERATIONS AND  
MAINTENANCE EXPENSE  
BUDGET***





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

**Title:** General Manager & CEO

**Telephone Ext:** 6277

**Dept. No:** 1110

**PERFORMANCE MEASURES  
FOR THE  
GENERAL MANAGER DEPARTMENT**

**Department Function:**

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

**Department Goals/Objectives:**

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

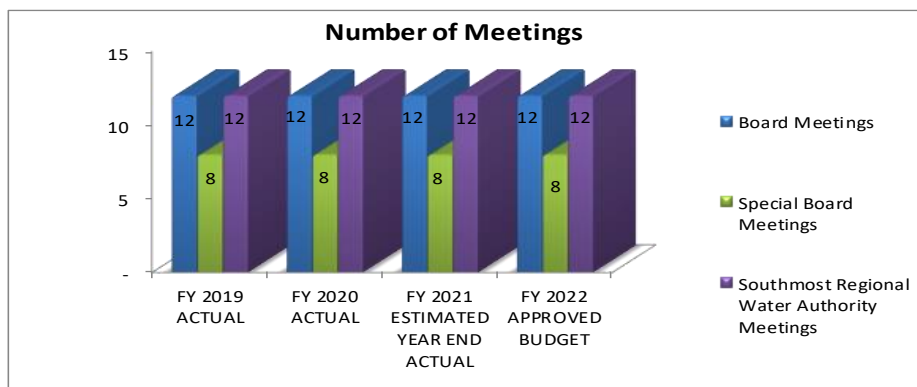
**INPUT MEASURES**

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

FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
3	3	3	3
\$ 477,783	\$ 527,369	\$ 515,160	\$ 462,245
\$ 1,709,080	\$ 1,494,344	\$ 1,677,295	\$ 1,289,450
\$ 2,186,863	\$ 2,021,713	\$ 2,192,455	\$ 1,751,695
12	12	12	12
48	48	48	48
350	350	350	350
2	2	2	2
12	12	12	12
8	8	8	8

**OUTPUT MEASURES**

Board Meetings  
Director Meetings  
Agenda Items Reviewed  
Joint Meetings with City Commission  
Southmost Regional Water Authority Meetings  
Special Board Meetings



## DEPARTMENT 1110 - GENERAL MANAGER

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<b>O&amp;M PERSONNEL</b>						
6101 Supervision	\$ 264,555	\$ 265,924	\$ 275,023	\$ 273,218	\$ 274,736	\$ 273,218
6110 Clerical staff	83,732	84,330	95,923	92,914	96,463	97,559
6130 Overtime	2,987	2,601	169	2,680	3,039	4,020
6201 T.M.R.S.	64,269	69,336	71,747	17,184	72,929	17,859
6205 F.I.C.A.	12,410	12,618	13,245	22,700	13,726	22,988
6210 Medicare	5,270	5,260	5,467	5,309	5,547	5,376
6214 Dental Insurance	786	1,382	1,608	1,805	1,557	1,604
6215 Hospitalization insurance	17,374	18,144	25,003	29,395	27,304	28,699
6220 Life Insurance	359	253	223	391	225	396
6221 Long Term Disability Insurance	292	295	381	732	386	742
6225 Workers Compensation	8,984	9,028	9,480	9,153	9,551	9,269
6230 Vacation leave	(17,499)	0	15,757	4,676	2,177	4,676
6235 Sick leave	(86)	(736)	4,342	5,144	(1,133)	5,144
6242 Auto Benefits	9,000	9,346	9,000	9,000	8,654	9,000
6260 Vacancy Savings	-	-	-	(18,307)	-	(18,307)
<b>O&amp;M PERSONNEL TOTAL</b>	<b>452,434</b>	<b>477,783</b>	<b>527,369</b>	<b>455,996</b>	<b>515,160</b>	<b>462,245</b>
<b>O&amp;M NON-PERSONNEL</b>						
7101 Advertising	-	1,373	-	-	-	-
7102 Sponsorships	42,200	34,700	22,800	25,000	10,000	25,000
7105 Books & periodicals	-	221	-	500	-	-
7110 Dues & memberships	1,774	2,311	54,959	8,000	1,283	8,000
7120 Office supplies	3,585	3,057	1,884	3,000	2,861	3,000
7130 Postage/shipping charges	347	387	352	300	245	300
7140 Training expenses	1,918	450	299	500	-	500
7145 Travel expenses	8,078	7,886	3,700	5,000	-	5,000
7199 Miscellaneous office expenses	-	-	-	-	(5)	-
7225 Safety supplies	-	-	2	-	58	50
7299 Other materials & supplies	1,013	1,903	4,561	2,000	551	1,000
7310 Federal, state, & local fees	-	2,516	-	1,000	-	-
7315 Food, meals, ice, water	3,442	1,404	1,999	2,300	507	1,800
7320 Official functions	960	926	-	800	-	300
7325 Rental of equip/storage/land	-	-	-	-	-	5,000
7601 Legal Fees	1,383,243	1,632,021	1,397,584	1,200,000	1,627,817	1,214,000
7605 Engineering fees	11,620	1,816	4,020	10,000	1,800	4,000
7699 Other services	5,950	18,110	2,185	15,000	30,613	21,000
7805 Computer equipment	-	-	-	300	1,563	500
7820 Office furniture & equipment	642	-	-	1,500	-	-
<b>O&amp;M NON-PERSONNEL TOTAL</b>	<b>1,464,773</b>	<b>1,709,080</b>	<b>1,494,344</b>	<b>1,275,200</b>	<b>1,677,295</b>	<b>1,289,450</b>
	<b>1,917,207</b>	<b>2,186,863</b>	<b>2,021,713</b>	<b>1,731,196</b>	<b>2,192,455</b>	<b>1,751,695</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.

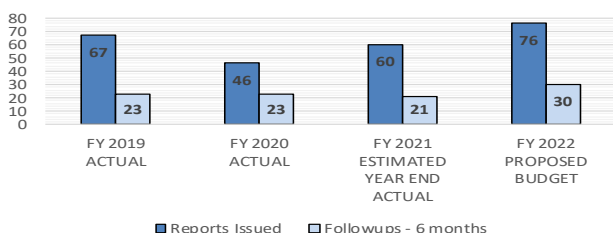
**Department Goals/Objectives:**

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.

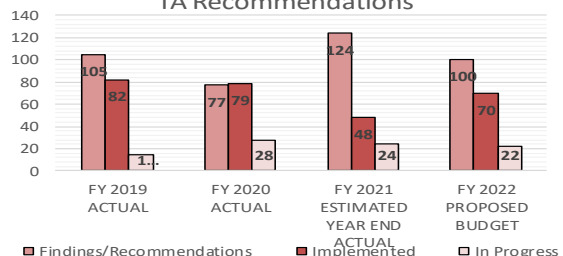
**INPUT MEASURES**

Employees (FTE)	3	3	3	3
O&M Personnel Expenses	\$ 327,776	\$ 348,709	\$ 356,578	\$ 376,211
O&M Non-Personnel Expenses	\$ 13,843	\$ 5,024	\$ 3,459	\$ 10,878
Total O&M Expenses	\$ 341,619	\$ 353,733	\$ 360,037	\$ 387,089
<b>OUTPUT MEASURES</b>				
Audit Service Hours	4,680	4,680	4,680	4,680
Administrative Hours	1,560	1,560	1,560	1,560
Internal Audit Reports	28	18	33	34
Special Reviews/Requests	2	1	1	2
Follow-up Audits	23	21	21	30
Unannounced Cash and Inventory Counts	9	6	5	10
Fraud Allegations (Hotline)	8	11	7	10
Reports Issued	67	46	60	76
Board Meetings	12	12	12	12
Audit Committee Presentations	4	3	1	4
<b>OUTCOME MEASURES</b>				
% of Annual Audit Plan Completed	97%	92%	97%	96%
Findings/Recommendations	105	77	124	100
- Audit Concurrence for Recommendations	99%	100%	100%	100%
Followups - 6 months	23	23	21	30
Recommendations Implemented	97	107	72	92
In Progress	82	79	48	70
<b>EFFICIENCY MEASURES</b>				
Internal Audit Reports Completed Per Auditor	22	15	20	25
Follow-ups Completed Per Auditor	8	7	7	10
Unannounced Cash and Inventory Counts	3	2	2	3
Fraud Allegations Completed Per Auditor	3	4	2	3

**Audit Reports**



**IA Recommendations**



# **DEPARTMENT 1120 - INTERNAL AUDIT**

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	BUDGET FY 2021	ACTUAL FY 2021	BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 81,600	\$ 96,549	\$ 118,484	\$ 117,707	\$ 118,160	\$ 123,593
6105 Administrative Staff	125,778	126,261	116,222	129,854	122,339	136,347
6201 T.M.R.S.	37,088	40,073	42,324	43,893	43,991	45,619
6205 F.I.C.A.	12,251	13,288	14,073	15,349	14,420	16,116
6210 Medicare	2,865	3,108	3,291	3,590	3,372	3,769
6214 Dental Insurance	815	1,651	1,901	2,103	1,896	2,103
6215 Hospitalization insurance	27,150	28,329	31,670	35,998	34,985	39,598
6220 Life Insurance	226	201	208	273	207	285
6221 Long Term Disability Insurance	175	337	476	495	474	520
6225 Workers Compensation	5,184	5,657	6,417	6,189	6,395	6,498
6230 Vacation leave	3,142	2,514	2,040	3,161	(935)	3,161
6235 Sick leave	(2,931)	6,348	4,101	3,478	4,064	3,478
6242 Auto Benefits	-	3,462	7,500	7,500	7,212	7,500
6260 Vacancy Savings	-	-	-	(12,378)	-	(12,378)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>293,342</u>	<u>327,776</u>	<u>348,709</u>	<u>357,213</u>	<u>356,578</u>	<u>376,211</u>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	1,510	-	-	1,500	-	-
7110 Dues & memberships	1,854	2,121	2,111	3,074	2,131	2,200
7120 Office supplies	873	2,140	247	1,700	641	400
7140 Training expenses	4,055	4,167	1,236	4,405	654	3,405
7145 Travel expenses	4,899	3,722	1,187	4,473	-	4,473
7225 Safety supplies	-	-	127	100	33	100
7299 Other materials & supplies	14	-	-	-	-	-
7315 Food, meals, ice, water	215	147	70	500	-	100
7335 Wearing apparel & dry goods	745	935	-	-	-	-
7415 Fuels & lubricants	194	161	46	150	-	200
7820 Office furniture & equipment	350	450	-	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>14,709</u>	<u>13,843</u>	<u>5,024</u>	<u>15,902</u>	<u>3,459</u>	<u>10,878</u>
	<b>308,051</b>	<b>341,619</b>	<b>353,733</b>	<b>373,115</b>	<b>360,037</b>	<b>387,089</b>



Department Responsibility: **Danny Marez**  
 Title: **Bus Dev & Key Accounts Manager**  
 Telephone Ext: **6286**  
 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**

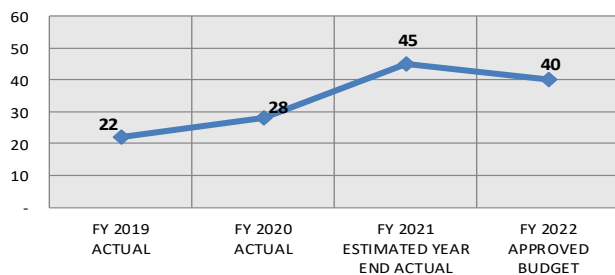
Number of new Key Accounts  
Number of electric conversions (to BPUB) facilitated by KA Department  
  
Number of new subdivision projects facilitated by KA Department  
Number of new commercial projects facilitated by KA Department  
Key Accounts satisfied with the level of service delivered by KA Department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

**EFFICIENCY MEASURES**

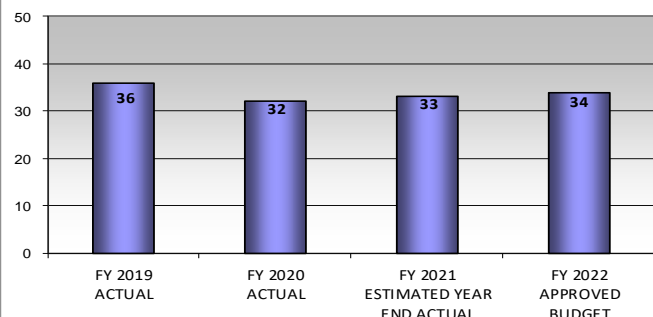
Number of Key Accounts per representative  
Average number of field visits per representative

FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
4	4	4	4
\$ 300,570	\$ 279,113	\$ 251,841	\$ 308,259
71	68	68	70
260	260	90	190
200	200	200	200
4	5	5	4
4	5	3	3
7	10	8	10
22	28	45	40
Yes	Yes	Yes	Yes
25%	25%	23%	23%
36	32	33	34
130	130	45	95

**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 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 48,821	\$ 49,056	\$ 50,736	\$ 50,403	\$ 36,251	\$ 58,910
6105 Administrative Staff	122,637	123,226	127,506	126,630	127,584	134,545
6110 Clerical staff	-	-	-	-	-	-
6130 Overtime	-	-	-	-	-	-
6201 T.M.R.S.	30,663	38,103	38,927	31,388	36,257	33,951
6205 F.I.C.A.	9,902	9,869	10,156	10,976	9,326	11,994
6210 Medicare	2,316	2,308	2,375	2,567	2,181	2,805
6214 Dental Insurance	868	1,751	2,019	2,230	1,805	2,069
6215 Hospitalization insurance	30,157	31,463	35,282	40,055	35,892	44,061
6220 Life Insurance	193	164	159	205	147	221
6221 Long Term Disability Insurance	145	258	340	354	313	387
6225 Workers Compensation	4,286	4,306	4,456	4,426	4,100	4,836
6230 Vacation leave	4,793	1,182	6,195	2,261	(2,760)	2,325
6235 Sick leave	(695)	6,920	(12,323)	2,487	(4,846)	2,558
6260 Vacancy Savings	-	-	-	(8,852)	-	(9,104)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>254,087</u>	<u>268,606</u>	<u>265,827</u>	<u>265,131</u>	<u>246,250</u>	<u>289,559</u>
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising	10,845	9,003	1,978	8,000	1,992	4,000
7105 Books & periodicals	-	-	-	200	-	-
7110 Dues & memberships	-	-	-	500	-	-
7120 Office supplies	1,273	1,306	1,032	1,000	343	1,000
7130 Postage/shipping charges	46	45	-	500	-	100
7135 Telephone expenses	-	-	-	-	-	-
7140 Training expenses	3,313	4,948	650	1,500	-	1,500
7145 Travel expenses	5,503	5,057	5,101	2,500	-	2,500
7147 Mileage Reimbursement (InTownExp)	-	-	-	250	-	-
7299 Other materials & supplies	-	-	20	250	-	-
7315 Food, meals, ice, water	308	283	54	500	-	300
7320 Official functions	6,895	7,200	100	7,500	-	5,500
7415 Fuels & lubricants	924	823	1,188	800	616	800
7635 Software maintenance service fees	-	-	-	-	-	-
7699 Other services	3,366	2,880	3,163	5,000	2,640	3,000
7805 Computer equipment	-	-	-	1,200	-	-
7806 Software licenses-new	-	-	-	1,500	-	-
7820 Office furniture & equipment	376	419	-	500	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>32,851</u>	<u>31,963</u>	<u>13,286</u>	<u>31,700</u>	<u>5,592</u>	<u>18,700</u>
	<b>286,938</b>	<b>300,569</b>	<b>279,113</b>	<b>296,831</b>	<b>251,842</b>	<b>308,259</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 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 128,856	\$ 128,918	\$ 180,734	\$ 133,037	\$ 137,898	\$ 139,689
6105 Administrative Staff	-	-	4,303	-	2,885	-
6110 Clerical staff	19,028	16,398	14,611	28,454	-	-
6130 Overtime	340	339	59	1,207	-	-
6201 T.M.R.S.	28,775	27,556	36,937	28,632	26,530	24,515
6205 F.I.C.A.	9,223	9,061	12,517	10,012	8,969	8,661
6210 Medicare	2,296	2,241	3,019	2,342	2,156	2,025
6214 Dental Insurance	449	786	1,386	1,169	693	685
6215 Hospitalization insurance	13,945	12,392	22,687	19,019	12,126	12,278
6220 Life Insurance	154	125	165	178	111	148
6221 Long Term Disability Insurance	117	208	355	323	241	279
6225 Workers Compensation	4,036	3,884	5,293	4,037	3,740	3,492
6230 Vacation leave	3,395	(591)	11,778	2,062	(2,323)	1,699
6235 Sick leave	2,130	793	7,268	2,269	(5,329)	1,869
6242 Auto Benefits	7,500	7,788	7,500	7,500	7,212	7,500
6243 Telephone Benefits	1,680	1,745	1,680	1,680	1,616	1,680
6260 Vacancy Savings	-	-	-	(8,075)	-	(6,652)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>221,924</i>	<i>211,644</i>	<i>310,290</i>	<i>233,847</i>	<i>196,524</i>	<i>197,869</i>

# DEPARTMENT 1130 - COMMUNICATIONS AND ADMINISTRATIVE SERVICES

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising	-	-	-	-	-	-
7105 Books & periodicals	-	-	-	-	-	-
7110 Dues & memberships	336	1,030	1,014	1,000	408	1,000
7115 Educational material	-	-	-	-	-	-
7120 Office supplies	1,129	918	241	1,000	-	1,000
7130 Postage/shipping charges	62	148	152	200	-	200
7135 Telephone expenses	-	-	-	-	-	-
7140 Training expenses	600	1,375	295	2,000	-	2,000
7145 Travel expenses	5,462	2,818	1,778	-	-	5,000
7225 Safety supplies	33	-	-	250	-	250
7299 Other materials & supplies	429	-	-	500	133	500
7315 Food, meals, ice, water	1,224	1,668	165	1,000	-	1,000
7320 Official functions	923	-	-	-	-	-
7325 Rental of equip/storage/land	3,760	3,429	2,400	4,000	2,297	1,000
7601 Legal Fees	635	-	-	-	-	-
7645 Maintenance services	18,275	7,701	5,588	15,000	5,432	1,000
7699 Other services					(119)	-
7805 Computer equipment	-	-	-	-	-	-
7806 Software licenses-new	-	-	-	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	32,868	19,088	11,634	24,950	8,151	12,950
	254,792	230,732	321,924	258,797	204,675	210,819





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)  
 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**

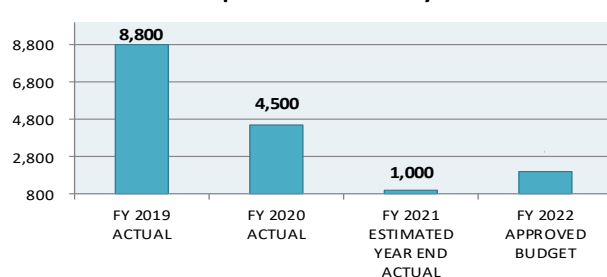
Public Information Campaigns Conducted  
 No. of Participants in Community Presentations  
 No. of Participants in Tours  
 No. of Participants in Safety Presentations  
 No. of Participants in Lobby Presentations  
 No. of Bill Inserts Distributed (Including CCR)

**EFFICIENCY MEASURES**

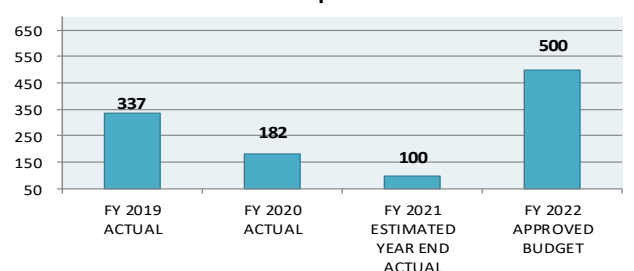
Avg. No. of Outreach Contacts (Media/Communications)

FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
4	4	3	3
\$ 634,337	\$ 684,961	\$ 550,126	\$ 837,466
12	12	12	12
115	28	20	25
30	10	5	10
35	15	5	5
20	10	-	-
31	32	41	45
5	4	4	4
11	5	9	10
10	9	10	11
64,000	67,000	68,500	72,000
6	6	6	6
8,800	4,500	1,000	2,000
337	182	100	500
1,500	1,000	100	250
150	75	-	-
619,000	603,000	600,000	600,000
200	200	200	200

**No. of Participants in Community Presentations**



**No. of Participants in Tours**



## DEPARTMENT 1135 - COMMUNICATIONS AND PUBLIC RELATIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 72,134	\$ 62,589	\$ 72,258	\$ 128,024	\$ 70,554	\$ 73,797
6105 Administrative Staff	159,679	135,328	129,874	52,062	109,337	115,293
6201 T.M.R.S.	42,399	35,160	35,341	31,929	31,936	33,185
6205 F.I.C.A.	14,211	11,984	12,405	11,165	11,101	11,724
6210 Medicare	3,323	2,803	2,901	2,611	2,596	2,742
6214 Dental Insurance	1,086	1,632	1,532	1,451	1,303	1,451
6215 Hospitalization insurance	33,141	26,567	24,269	23,571	22,800	25,928
6220 Life Insurance	258	185	176	206	157	215
6221 Long Term Disability Insurance	193	310	383	360	341	378
6225 Workers Compensation	5,926	4,964	5,053	4,502	4,499	4,727
6230 Vacation leave	2,829	2,161	(681)	2,300	3,780	2,300
6235 Sick leave	11,755	3,839	(18,123)	2,530	1,083	2,530
6260 Vacancy Savings	-	-	-	(9,004)	-	(9,004)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>346,934</u>	<u>287,522</u>	<u>265,387</u>	<u>251,708</u>	<u>259,485</u>	<u>265,266</u>
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising	141,077	130,900	130,043	130,000	122,813	130,000
7102 Sponsorships	119,600	127,700	116,550	110,000	34,400	110,000
7105 Books & periodicals	-	-	-	-	-	-
7110 Dues & memberships	4,173	7,265	1,769	2,500	6,004	7,500
7115 Educational material	-	-	-	1,000	-	1,000
7120 Office supplies	600	421	1,028	500	-	1,000
7125 Photo equipment/supplies	41	-	-	-	-	-
7130 Postage/shipping charges	131	123	-	100	-	100
7135 Telephone expenses	-	-	-	-	-	-
7140 Training expenses	1,784	1,915	1,550	1,000	-	2,000
7145 Travel expenses	8,428	6,069	3,165	-	-	-
7199 Miscellaneous office expenses	-	-	-	500	-	500
7215 Laundry & janitorial supplies	150	496	188	200	-	800
7225 Safety supplies	286	105	133	200	-	300
7299 Other materials & supplies	1,167	306	180	500	-	500
7315 Food, meals, ice, water	2,869	3,904	870	1,000	-	1,000
7320 Official functions	15,862	6,406	4,810	1,000	-	7,000
7325 Rental of equip/storage/land	3,851	4,059	5,249	6,000	3,223	5,000
7335 Wearing apparel & dry goods	202	693	269	250	-	1,000
7415 Fuels & lubricants	197	190	80	100	1,217	500
7601 Legal Fees	-	-	-	-	-	-
7645 Maintenance services	-	200	-	-	-	-
7699 Other services	171,107	51,168	149,397	150,000	122,644	300,000
7805 Computer equipment	2,832	-	233	4,000	-	2,000
7806 Software licenses-new	1,704	3,390	4,060	2,200	340	2,000
7820 Office furniture & equipment	562	1,505	-	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>476,623</u>	<u>346,815</u>	<u>419,574</u>	<u>411,050</u>	<u>290,641</u>	<u>572,200</u>
	<b>823,557</b>	<b>634,337</b>	<b>684,961</b>	<b>662,758</b>	<b>550,126</b>	<b>837,466</b>



Department Responsibility: Marisa P. Gaytan  
Training and Organizational

Title: 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  
 % In-person Instructor-Led Learning Courses  
 % Online Learning Courses

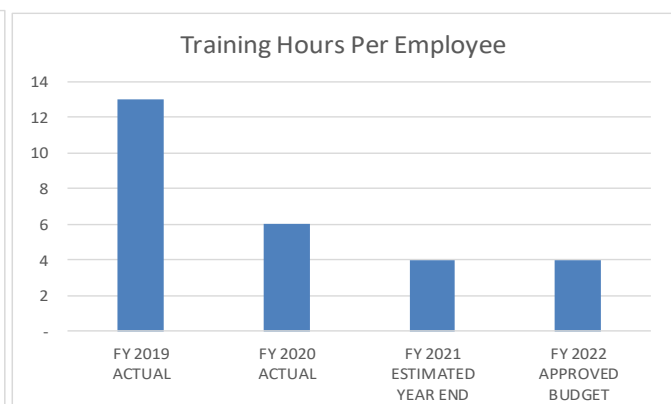
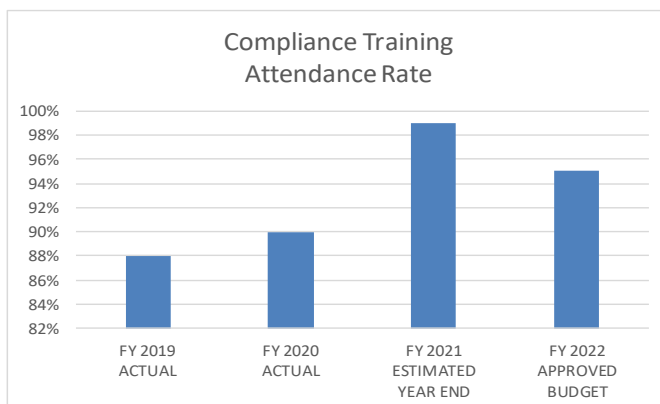
**OUTCOME MEASURES**

Attendance Rate for Compliance Training

**EFFICIENCY MEASURES**

Training Hours per Employee  
 Cost of Training Hour per Employee

FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END	FY 2022 APPROVED BUDGET
3	3	3	3
\$ 116,301	\$ 80,240	\$ 72,576	\$ 66,350
400	670	530	500
48%	14%	0%	0%
52%	86%	100%	100%
88%	90%	99%	95%
13	6	4	4
\$ 12.43	\$ 12.00	\$ 17.73	\$ 16.72



## DEPARTMENT 1140 – TRAINING AND ORGANIZATIONAL DEVELOPMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 71,227	\$ 87,953	\$ 142,913	\$ 74,360	\$ 144,284	\$ 148,971
6105 Administrative Staff	121,450	102,045	56,051	126,110	-	-
6110 Clerical staff	-	-	-	-	13,218	36,298
6130 Overtime	-	-	-	-	103	997
6201 T.M.R.S.	34,458	33,690	34,764	35,543	28,013	32,515
6205 F.I.C.A.	11,709	11,423	11,782	12,429	9,439	11,487
6210 Medicare	2,738	2,672	2,756	2,907	2,207	2,686
6214 Dental Insurance	809	1,505	1,761	1,978	1,358	1,777
6215 Hospitalization insurance	21,342	24,140	28,674	33,090	24,732	32,763
6220 Life Insurance	212	174	172	226	136	211
6221 Long Term Disability Insurance	162	280	383	401	301	371
6225 Workers Compensation	4,817	4,754	4,974	5,012	3,944	4,632
6230 Vacation leave	(820)	642	516	2,560	3,460	2,253
6235 Sick leave	1,262	487	(1,241)	2,817	5,415	2,479
6242 Auto Benefits	-	144	-	-	-	-
6243 Telephone Benefits	-	32	-	-	-	-
6260 Vacancy Savings	-	-	-	(10,024)	-	(8,822)
<i>O&amp;M PERSONNEL TOTAL</i>	269,366	269,943	283,504	287,410	236,609	268,617
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising	-	-	48	-	-	-
7105 Books & periodicals	271	594	371	400	-	300
7110 Dues & memberships	4,483	2,465	1,895	2,400	4,293	4,000
7115 Educational material	17,186	864	1,362	1,500	874	500
7120 Office supplies	1,982	2,579	1,328	1,500	1,852	1,500
7130 Postage/shipping charges	-	-	12	100	-	-
7135 Telephone expenses	-	-	-	-	-	-
7140 Training expenses	1,640	2,590	524	-	-	-
7145 Travel expenses	4,917	3,885	-	-	-	-
7147 Mileage Reimbursement (InTownExp)	19	34	-	50	-	-
7299 Other materials & supplies	250	161	155	200	27	200
7315 Food, meals, ice, water	1,377	1,615	794	1,000	-	500
7322 Recognition Program	228	5,137	555	600	600	600
7325 Rental of equip/storage/land	1,056	1,056	1,056	1,350	1,056	1,200
7415 Fuels & lubricants	-	-	-	-	-	-
7635 Software maintenance service fees	6,300	7,149	13,975	7,550	6,615	7,550
7699 Other services	113,345	87,762	58,164	70,000	57,259	50,000
7805 Computer equipment	111	-	-	-	-	-
7806 Software licenses-new	-	-	-	-	-	-
7820 Office furniture & equipment	-	410	-	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	153,166	116,301	80,240	86,650	72,576	66,350
	422,532	386,244	363,744	374,060	309,185	334,967



Department Responsibility: **Cesar Cortinas, P.E.**

Title: **Director of Electric  
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 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 274,554	\$ 209,236	\$ 163,912	\$ 374,733	\$ 258,969	\$ 270,576
6110 Clerical staff	34,688	34,721	35,906	34,902	35,625	36,648
6130 Overtime	141	316	302	439	696	904
6201 T.M.R.S.	56,972	54,018	35,345	72,628	53,717	53,918
6205 F.I.C.A.	17,467	16,403	12,214	25,397	18,197	19,048
6210 Medicare	4,578	4,382	2,856	5,940	4,256	4,455
6214 Dental Insurance	814	1,320	1,376	2,587	1,896	2,103
6215 Hospitalization insurance	25,744	22,574	22,895	43,855	34,992	39,598
6220 Life Insurance	322	227	162	440	239	333
6221 Long Term Disability Insurance	259	332	362	819	526	614
6225 Workers Compensation	7,964	7,741	5,061	10,241	7,566	7,681
6230 Vacation leave	1,075	(2,676)	12,703	5,231	6,560	3,736
6235 Sick leave	3,921	(2,677)	(20,174)	5,755	522	4,111
6242 Auto Benefits	7,500	4,615	2,308	7,500	7,212	7,500
6243 Telephone Benefits	1,680	1,034	-	-	-	-
6260 Vacancy Savings	-	-	-	(20,482)	-	(14,630)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>437,681</i>	<i>351,567</i>	<i>275,227</i>	<i>569,986</i>	<i>430,974</i>	<i>436,594</i>

## DEPARTMENT 1145 – Electric Transmission and Distribution

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	206	300	40	150
7110 Dues & memberships	2,990	2,469	2,300	2,000	292	600
7120 Office supplies	1,164	587	621	600	455	500
7130 Postage/shipping charges	25	249	371	400	216	300
7140 Training expenses	1,695	1,028	-	1,200	1,395	700
7145 Travel expenses	6,170	3,609	1,889	1,500	920	2,865
7225 Safety supplies	15	266	20	150	210	160
7299 Other materials & supplies	192	168	53	100	-	150
7315 Food, meals, ice, water	288	529	229	300	-	200
7325 Rental of equip/storage/land					-	1,068
7415 Fuels & lubricants					1,076	-
7635 Software maintenance service fees	2,318	1,126	-	225	-	225
7699 Other services	-	-	175	150	542	450
7805 Computer equipment	-	572	-	200	20	200
7806 Software licenses-new	306	-	-	325	6,533	665
7820 Office furniture & equipment	500	418	-	150	-	100
7835 Tools, shop and garage equipment	-	431	-	200	-	100
7899 Other minor tools & equipment	-	-	-	200	339	50
<i>O&amp;M NON-PERSONNEL TOTAL</i>	15,662	11,452	5,865	8,000	12,038	8,483
	453,343	363,019	281,092	577,986	443,012	445,077



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 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
7110 Dues & memberships	99,678	96,664	47,395	60,000	52,218	50,000
7120 Office supplies	172	257	-	1,000	-	-
7140 Training expenses	3,220	-	-	2,000	1,650	2,000
7145 Travel expenses	19,948	7,453	1,571	10,000	1,434	8,000
7299 Other materials & supplies	-	-	200	500	-	-
7315 Food, meals, ice, water	8,286	7,763	2,946	5,500	3,987	5,000
7320 Official functions	-	3,695	-	-	-	-
7601 Legal Fees	79,118	-	55,133	50,000	127,074	100,000
7699 Other services	-	-	800	-	-	-
7805 Computer equipment	-	-	-	-	1,563	1,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	210,423	115,832	108,045	129,000	187,926	166,000
	210,423	115,832	108,045	129,000	187,926	166,000



**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

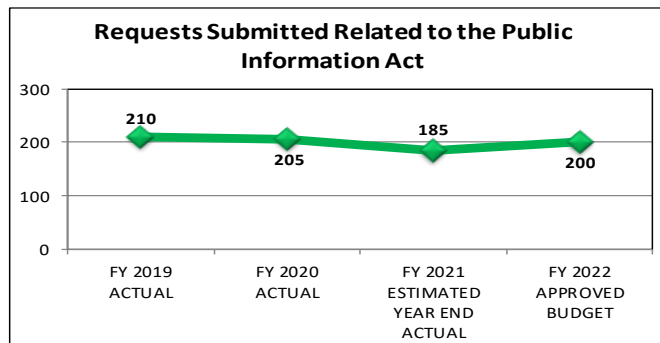
**OUTCOME MEASURES**

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 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
3	3	3	3
\$143,988	\$154,397	\$140,435	\$259,320
210	205	185	200
20	44	55	50
10	5	3	3
3	13	35	35
2 - 5 days	2 - 5 days	2-4 days	2-4 days
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes





## DEPARTMENT 1165 – RECORDS MANAGEMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
6101 Supervision	\$ 71,136	\$ 69,000	\$ 72,954	\$ 76,107	\$ 76,400	\$ 79,913
6105 Administrative Staff	44,965	44,651	47,045	47,819	48,003	50,210
6110 Clerical staff	43,417	42,531	44,829	45,219	48,500	49,861
6130 Overtime	47	203	-	522	1,596	856
6201 T.M.R.S.	28,538	29,071	29,697	29,990	30,981	31,587
6205 F.I.C.A.	9,400	9,195	9,682	10,487	10,241	11,159
6210 Medicare	2,198	2,150	2,263	2,453	2,395	2,610
6214 Dental Insurance	815	1,400	1,633	1,854	1,672	1,854
6215 Hospitalization insurance	25,010	24,822	28,352	33,090	32,175	36,399
6220 Life Insurance	180	151	145	195	152	206
6221 Long Term Disability Insurance	132	235	312	338	327	360
6225 Workers Compensation	3,989	3,910	4,114	4,229	4,364	4,500
6230 Vacation leave	(912)	1,449	(2,296)	2,160	497	2,189
6235 Sick leave	5,532	(3,001)	(2,399)	2,377	1,758	2,408
6260 Vacancy Savings	-	-	-	(8,457)	-	(8,571)
<i>O&amp;M PERSONNEL TOTAL</i>	234,448	225,769	236,332	248,381	259,061	265,539
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising	1,348	-	-	500		
7102 Sponsorships	-	-	3,500	-		
7105 Books & periodicals	-	-	40	200		-
7110 Dues & memberships	1,214	774	873	1,000	893	1,000
7120 Office supplies	1,431	1,818	1,416	1,200	44	1,200
7130 Postage/shipping charges	173	155	78	200	5	200
7135 Telephone expenses	199	-	-	1,000		250
7140 Training expenses	4,988	3,378	-	3,225	3,296	5,000
7145 Travel expenses	6,701	6,598	4,646	-		6,400
7225 Safety supplies	13	78	18	100	49	100
7299 Other materials & supplies	394	218	21	500	319	500
7315 Food, meals, ice, water	824	1,680	279	500		500
7325 Rental of equip/storage/land	22,065	19,551	12,350	24,000	11,450	20,000
7415 Fuels & lubricants	264	334	277	500	1,086	500
7601 Legal Fees	14,408	23,615	16,379	20,000	16,244	20,000
7635 Software maintenance service fees	-	-	61,612	97,000	92,408	97,000
7645 Maintenance services	-	-	-	-		20,000
7699 Other services	95,275	85,789	15,404	100,000	12,902	85,000
7805 Computer equipment	45	-	37,502	7,670		1,670
7806 Software licenses-new	-	-	-	11,000	1,740	-
7820 Office furniture & equipment	6,040	-	-	275		-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	155,380	143,988	154,397	268,870	140,435	259,320
	389,828	369,757	390,729	517,251	399,496	524,859



Department Responsibility: **Miguel Collis**

Title: **Digital Information Platforms  
Tech Manager**

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 electronic forms.

#### INPUT MEASURES

Employees  
Total O&M Expenses

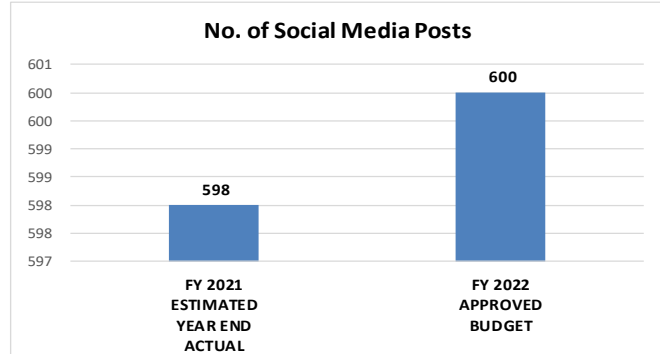
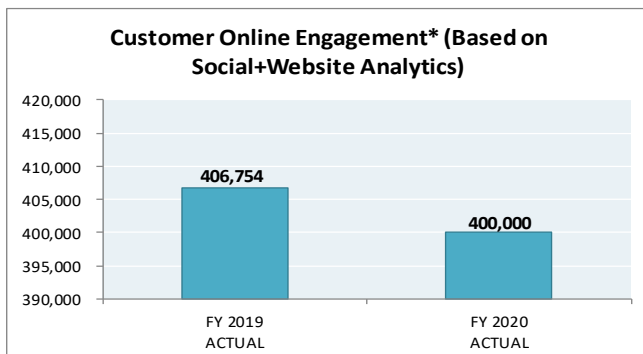
#### OUTPUT MEASURES

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)

FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
-	1	2	2
\$ -	\$ -	\$ 195,734	\$ 212,327
-	-	5	5
-	-	1	2
-	-	3	4
-	-	598	600
-	-	18	18
-	-	17	20
-	-	5	5
-	-	1,037	1,500
-	-	244	300
-	-	406,754	400,000



## DEPARTMENT 1170 – DIGITAL INFORMATION PLATFORMS

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
6101 Supervision	\$ -	\$ -	\$ -	\$ 66,518	\$ 62,425	\$ 69,844
6105 Administrative Staff	-	-	-	\$ -	\$ 41,402	\$ 46,323
6201 T.M.R.S.	-	-	-	11,794	18,451	20,387
6205 F.I.C.A.	-	-	-	4,124	6,189	7,202
6210 Medicare	-	-	-	965	1,447	1,684
6214 Dental Insurance	-	-	-	810	1,091	1,293
6215 Hospitalization insurance	-	-	-	14,071	20,035	24,120
6220 Life Insurance	-	-	-	75	93	133
6221 Long Term Disability Insurance	-	-	-	133	200	232
6225 Workers Compensation	-	-	-	1,663	2,596	2,904
6230 Vacation leave	-	-	-	849	3,852	1,413
6235 Sick leave	-	-	-	935	7,471	1,554
6260 Vacancy Savings	-	-	-	(3,326)	-	(5,532)
<i>O&amp;M PERSONNEL TOTAL</i>	-	-	-	98,610	165,252	171,560
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising	-	-	-	10,000	-	-
7110 Dues & memberships	-	-	-	2,200	26	-
7120 Office supplies	-	-	-	2,000	-	1,000
7135 Telephone expenses	-	-	-	100	-	100
7140 Training expenses	-	-	-	4,500	3,038	4,500
7145 Travel expenses	-	-	-	-	-	14,000
7635 Software Maintenance Service Fees	-	-	-	-	2,238	14,649
7699 Other services	-	-	-	27,000	23,537	6,518
7805 Computer equipment	-	-	-	3,938	925	-
7806 Software licenses-new	-	-	-	2,650	718	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	-	-	-	52,388	30,482	40,767
	-	-	-	150,998	195,734	212,327



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

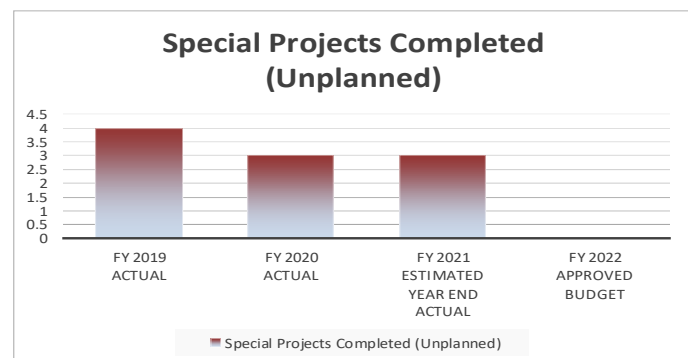
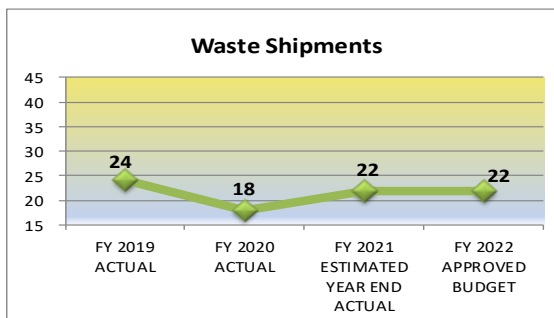
**EFFICIENCY MEASURES**

EPA & TCEQ Fines Levied

Special Projects Completed (Unplanned)

% Passing - QC Proficiency Tests

FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
6	6	6	7
\$1,164,494	\$ 1,178,659	\$ 1,212,604	\$ 1,250,961
120	122	121	119
12	12	12	12
2	2	2	2
5	5	5	5
24	18	22	22
100%	100%	100%	100%
2/2	0/0	3/3	0/0
443,109	364,159	350,000	357,000
\$ -	\$ -	\$ -	\$ -
4	3	3	0
100%	100%	100%	100%



## DEPARTMENT 1410 - ENVIRONMENTAL SERVICES

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 136,136	\$ 136,660	\$ 141,494	\$ 140,566	\$ 141,107	\$ 147,595
6105 Administrative Staff	159,973	182,210	224,113	222,643	223,500	233,775
6110 Clerical staff	39,703	39,799	41,200	40,518	40,948	42,544
6130 Overtime	944	796	356	1,169	469	1,023
6201 T.M.R.S.	61,866	65,351	72,748	71,581	73,692	74,397
6205 F.I.C.A.	19,394	20,432	23,288	25,031	23,298	26,283
6210 Medicare	4,684	4,960	5,572	5,854	5,539	6,147
6214 Dental Insurance	1,357	3,400	4,392	4,857	4,380	4,857
6215 Hospitalization insurance	52,813	59,292	74,257	84,425	82,069	92,867
6220 Life Insurance	367	326	349	456	348	475
6221 Long Term Disability Insurance	283	515	737	807	732	848
6225 Workers Compensation	8,648	9,225	10,410	10,093	10,380	10,598
6230 Vacation leave	2,186	6,825	14,339	5,156	4,809	5,156
6235 Sick leave	3,617	1,546	(21,126)	5,672	(1,243)	5,672
6242 Auto Benefits	7,500	7,789	7,500	7,500	7,212	7,500
6243 Telephone Benefits	1,680	1,745	1,680	1,680	1,616	1,680
6260 Vacancy Savings	-	-	-	(20,186)	-	(20,186)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>501,150</u>	<u>540,870</u>	<u>601,310</u>	<u>607,823</u>	<u>618,854</u>	<u>641,231</u>
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising	-	-	-	300	3,753	3,000
7105 Books & periodicals	241	-	-	100	555	200
7110 Dues & memberships	3,775	3,580	4,650	4,000	3,156	4,000
7120 Office supplies	1,247	1,043	743	800	1,574	850
7130 Postage/shipping charges	1,912	1,856	1,980	1,800	1,155	1,800
7140 Training expenses	3,004	3,630	1,210	2,500	1,819	3,432
7145 Travel expenses	7,252	6,793	1,724	7,000	-	6,548
7147 Mileage Reimbursement (InTownExp)	-	-	-	100	-	100
7293 Chemicals - other	21,884	25,985	24,617	23,000	26,356	28,000
7299 Other materials & supplies	4,962	539	3,193	1,500	2,868	2,000
7310 Federal, state, & local fees	395,900	431,601	404,528	468,000	369,594	408,000
7315 Food, meals, ice, water	384	151	110	500	-	500
7325 Rental of equip/storage/land	9,311	8,674	6,769	9,000	7,297	9,000
7335 Wearing apparel & dry goods	757	996	294	600	257	600
7415 Fuels & lubricants	1,696	1,142	707	1,200	652	1,000
7601 Legal Fees	1,218	(0)	31,819	3,000	8,906	10,000
7620 Environmental consulting fees	-	1,410	-	7,500	-	2,500
7699 Other services	68,604	133,698	92,613	130,000	164,033	127,000
7805 Computer equipment	-	-	912	500	-	500
7820 Office furniture & equipment	13,550	2,256	880	3,000	1,537	500
7899 Other minor tools & equipment	-	271	600	200	238	200
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>535,697</u>	<u>623,624</u>	<u>577,349</u>	<u>664,600</u>	<u>593,750</u>	<u>609,730</u>
	<b>1,036,847</b>	<b>1,164,494</b>	<b>1,178,659</b>	<b>1,272,423</b>	<b>1,212,604</b>	<b>1,250,961</b>



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

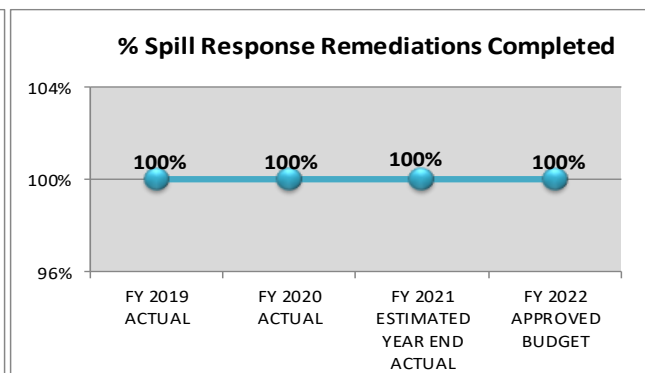
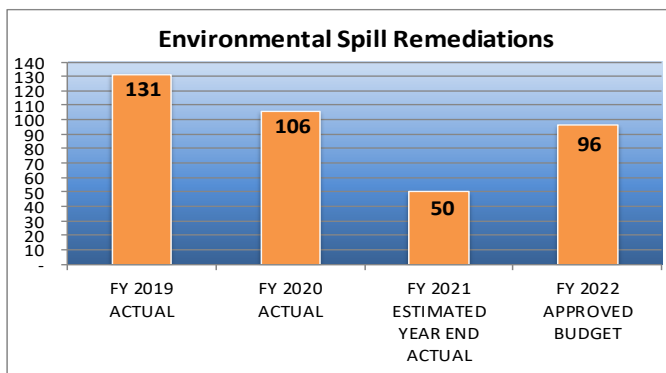
**OUTCOME MEASURES**

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 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
6	6	6	7
\$ 866,583	\$ 977,410	\$ 1,030,528	\$ 2,078,601
336	397	335	335
8	7	9	8
131	106	50	96
131	106	50	96
3	9	2	-
-	-	-	-
100%	100%	100%	100%
100%	100%	100%	100%
100%	100%	100%	100%
100%	100%	100%	100%
\$ -	\$ -	\$ -	\$ -



## DEPARTMENT 1420 – ENVIRONMENTAL COMPLIANCE

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 81,162	\$ 81,474	\$ 84,356	\$ 83,803	\$ 84,126	\$ 87,993
6105 Administrative Staff	267,194	239,158	276,681	203,237	281,325	321,550
6115 Operational staff	39,796	43,530	45,437	105,706	8,187	-
6130 Overtime	767	1,462	3,253	2,023	2,721	6,004
6201 T.M.R.S.	69,556	64,787	77,795	69,634	67,086	71,875
6205 F.I.C.A.	23,171	21,794	26,728	24,350	22,032	25,392
6210 Medicare	5,419	5,097	6,251	5,695	5,153	5,938
6214 Dental Insurance	1,628	2,644	3,272	3,430	3,159	3,755
6215 Hospitalization insurance	56,684	53,942	63,659	69,088	69,339	82,832
6220 Life Insurance	425	337	348	442	321	461
6221 Long Term Disability Insurance	323	532	775	785	713	819
6225 Workers Compensation	9,723	9,141	11,136	9,819	9,482	10,239
6230 Vacation leave	1,503	(5,914)	21,392	5,015	1,259	4,981
6235 Sick leave	(413)	(22,829)	37,026	5,518	(21,340)	5,480
6260 Vacancy Savings	-	-	-	(19,637)	-	(19,502)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>556,937</i>	<i>495,155</i>	<i>658,110</i>	<i>568,908</i>	<i>533,562</i>	<i>607,817</i>
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising	-	2,747	12,948	5,000	7,506	5,000
7105 Books & periodicals	300	-	88	250	125	-
7110 Dues & memberships	1,067	728	929	1,000	1,506	1,000
7120 Office supplies	840	2,310	1,873	1,000	2,118	1,500
7130 Postage/shipping charges	741	974	1,330	1,000	785	1,000
7135 Telephone expenses	100	-	-	-	-	-
7140 Training expenses	1,358	1,493	2,287	5,000	7,597	3,986
7145 Travel expenses	5,588	4,273	9,410	6,000	-	5,450
7147 Mileage Reimbursement (InTownExp)	-	-	-	100	-	-
7225 Safety supplies	-	65	-	-	-	-
7293 Chemicals - other	-	-	-	750	1,249	-
7299 Other materials & supplies	11,172	9,745	14,943	14,000	11,867	11,000
7310 Federal, state, & local fees	21,625	22,674	20,486	25,000	19,304	20,000
7315 Food, meals, ice, water	128	75	81	750	-	150
7325 Rental of equip/storage/land	4,369	4,516	6,611	6,000	1,207	4,000
7335 Wearing apparel & dry goods	4,137	2,718	-	3,000	911	1,000
7415 Fuels & lubricants	1,889	2,415	1,252	2,000	1,659	1,000
7599 Maintenance / other	30,985	27,623	42,395	30,000	24,899	30,000
7620 Environmental consulting fees	89,836	26,455	64,597	85,000	112,524	65,000
7635 Software maintenance service fees	17,850	17,850	-	18,000	18,750	18,748
7645 Maintenance services	24,750	33,000	20,695	33,600	36,761	25,600
7699 Other services	106,431	210,478	118,722	175,000	246,038	1,275,000
7820 Office furniture & equipment	4,937	1,140	208	1,900	852	600
7835 Tools, shop and garage equipment	-	-	-	250	621	250
7899 Other minor tools & equipment	-	149	445	500	686	500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>328,102</i>	<i>371,428</i>	<i>319,300</i>	<i>415,100</i>	<i>496,966</i>	<i>1,470,784</i>
	<b>885,039</b>	<b>866,583</b>	<b>977,410</b>	<b>984,008</b>	<b>1,030,528</b>	<b>2,078,601</b>



Department Responsibility: **Vicente Guerrero III**

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

Telephone Ext: **6259**

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

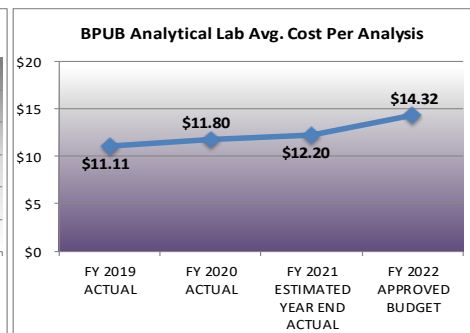
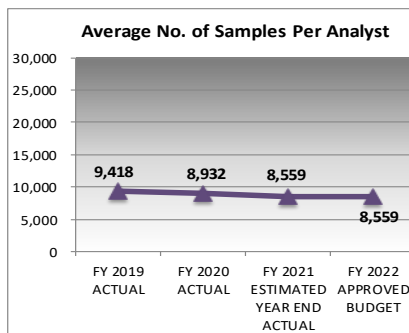
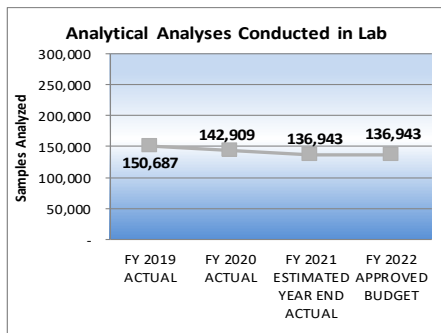
#### OUTCOME MEASURES

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 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
16	16	16	16
\$ 1,075,132	\$ 1,111,857	\$ 1,088,778	\$ 1,188,430
\$ 599,296	\$ 573,822	\$ 581,270	\$ 773,250
\$ 1,674,428	\$ 1,685,679	\$ 1,670,048	\$ 1,961,680
12	12	12	12
96	108	96	96
27	27	27	27
52	52	52	52
12,557	11,909	11,412	11,412
150,687	142,909	136,943	136,943
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
\$ 11.11	\$ 11.80	\$ 12.20	\$ 14.32
9,418	8,932	8,559	8,559





## DEPARTMENT 1422 - ANALYTICAL LABORATORY

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 137,695	\$ 119,990	\$ 160,296	\$ 159,245	\$ 159,857	\$ 167,207
6105 Administrative Staff	199,615	241,811	250,348	248,706	243,076	261,141
6110 Clerical staff	34,449	35,389	18,519	30,680	23,434	25,792
6115 Operational staff	318,653	271,496	299,163	289,266	260,646	296,632
6130 Overtime	73,141	39,718	30,288	51,371	46,097	51,090
6201 T.M.R.S.	137,783	136,257	135,382	129,056	132,284	131,761
6205 F.I.C.A.	45,791	45,673	45,525	45,130	43,445	46,548
6210 Medicare	10,709	10,682	10,647	10,555	10,160	10,886
6214 Dental Insurance	4,125	7,302	8,660	9,973	8,210	9,523
6215 Hospitalization insurance	127,458	128,036	151,214	179,122	157,371	183,364
6220 Life Insurance	777	648	665	866	629	884
6221 Long Term Disability Insurance	558	979	1,369	1,456	1,301	1,502
6225 Workers Compensation	19,138	19,221	19,372	18,197	18,670	18,769
6230 Vacation leave	10,641	4,527	13,757	9,295	(8,133)	9,183
6235 Sick leave	7,847	13,403	(33,349)	10,227	(8,270)	10,103
6260 Vacancy Savings	-	-	-	(36,395)		(35,955)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>1,128,380</u>	<u>1,075,132</u>	<u>1,111,857</u>	<u>1,156,750</u>	<u>1,088,778</u>	<u>1,188,430</u>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	1,634	1,200	290	600
7110 Dues & memberships	2,970	2,930	1,992	2,600	1,888	2,100
7120 Office supplies	6,857	5,487	5,213	6,000	3,697	5,000
7130 Postage/shipping charges	3,430	2,729	5,213	3,700	1,937	3,700
7140 Training expenses	8,156	5,856	3,572	6,000	2,911	5,950
7145 Travel expenses	9,941	9,926	1,513	4,000	251	1,700
7180 Utilities - departmental	49,627	51,853	51,512	50,000	50,073	45,000
7225 Safety supplies	875	233	11,254	4,000	9,733	8,000
7293 Chemicals - other	112,783	89,446	91,620	108,100	73,642	98,000
7299 Other materials & supplies	56,751	29,499	74,550	83,500	105,710	110,000
7310 Federal, state, & local fees	3,050	3,050	3,300	5,000	3,050	3,500
7315 Food, meals, ice, water	467	377	385	750	237	350
7325 Rental of equip/storage/land	21,125	21,387	24,753	24,200	26,714	26,700
7335 Wearing apparel & dry goods	5,139	6,120	1,262	5,000	3,132	5,000
7415 Fuels & lubricants	4,779	5,958	4,581	6,000	7,089	6,000
7501 Maint. of buildings & structures	5,372	17,133	62,611	50,000	47,018	150,000
7645 Maintenance services	186,091	152,743	84,761	125,000	109,627	125,000
7699 Other services	117,409	118,246	84,276	120,000	70,916	120,000
7801 Communication equipment	250	759	-	-	-	-
7805 Computer equipment	2,473	800	852	6,000	108	1,000
7806 Software licenses-new	-	-	4,017	8,000	359	4,000
7810 Laboratory equipment	45,986	73,597	45,317	50,000	62,580	50,000
7820 Office furniture & equipment	-	1,169	9,636	1,300	-	650
7899 Other minor tools & equipment	-	-	-	3,000	308	1,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>643,531</u>	<u>599,296</u>	<u>573,822</u>	<u>673,350</u>	<u>581,270</u>	<u>773,250</u>
	<b>1,771,911</b>	<b>1,674,428</b>	<b>1,685,679</b>	<b>1,830,100</b>	<b>1,670,048</b>	<b>1,961,680</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 regulate the disposal of pollutants into the wastewater collection system, in order to prevent the introduction of untreated pollutants into the POTW, which will pass through or interfere with the treatment works as specified in the EPA Clean Water Act of 1977 and General Pretreatment Regulations for Existing and New Sources of Pollution (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

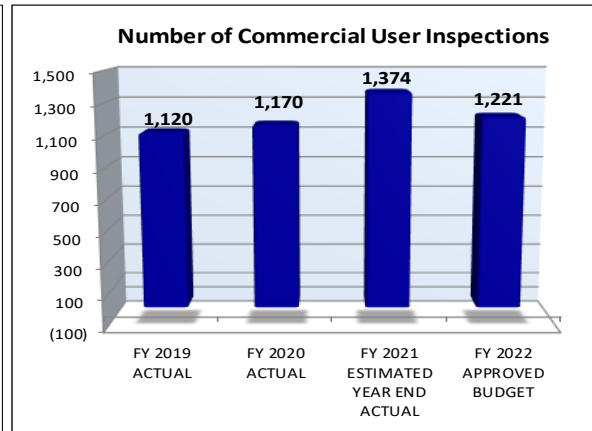
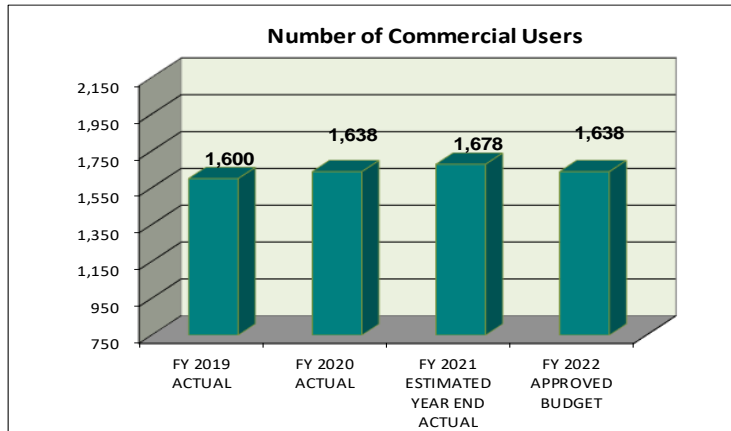
#### OUTCOME MEASURES

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 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
8	7	7	7
\$ 629,044	\$ 559,400	\$ 597,004	\$ 656,207
12	12	12	12
10	10	10	10
5	5	5	5
1,600	1,638	1,678	1,638
1	1	1	1
10	10	10	10
20	20	20	20
10	10	10	10
36	36	36	36
1,120	1,170	1,374	1,221
0/1/0	0/0/0	0/1/0	0/0/0
\$ 39,677	\$35,023	\$ 38,065	\$ 37,588
\$ 95,123	\$91,458	\$ 39,423	\$ 75,335



# DEPARTMENT 1430 – PRE-TREATMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 83,699	\$ 80,328	\$ 82,849	\$ 82,306	\$ 82,622	\$ 86,421
6105 Administrative Staff	153,978	135,333	61,855	116,085	115,738	121,059
6110 Clerical staff	32,423	32,466	34,840	34,798	37,108	36,538
6115 Operational staff	98,703	113,385	120,885	118,019	119,210	123,920
6130 Overtime	3,419	9,168	7,607	8,816	4,196	8,816
6201 T.M.R.S.	66,562	65,660	53,823	62,269	63,761	64,573
6205 F.I.C.A.	21,820	21,922	18,287	21,775	21,191	22,812
6210 Medicare	5,103	5,127	4,277	5,093	4,956	5,335
6214 Dental Insurance	2,138	3,458	3,077	3,914	3,666	4,038
6215 Hospitalization insurance	63,007	59,702	52,568	67,822	69,191	77,804
6220 Life Insurance	435	354	274	412	319	428
6221 Long Term Disability Insurance	318	532	570	702	671	736
6225 Workers Compensation	9,558	9,320	7,701	8,780	8,982	9,198
6230 Vacation leave	(3,527)	2,769	13,937	4,485	(3,508)	4,475
6235 Sick leave	(3,791)	19,079	2,656	4,934	295	4,923
6260 Vacancy Savings	-	-	-	(17,560)		(17,521)
<i>O&amp;M PERSONNEL TOTAL</i>	533,846	558,604	465,207	522,650	528,399	553,557
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising						8,000
7105 Books & periodicals	397	-	-	335	210	200
7110 Dues & memberships	548	463	416	700	591	500
7120 Office supplies	1,561	2,854	3,093	2,500	2,380	2,500
7130 Postage/shipping charges	79	129	905	250	476	250
7140 Training expenses	3,263	3,560	1,935	4,000	3,835	4,000
7145 Travel expenses	7,758	4,948	1,090	3,500		5,100
7147 Mileage Reimbursement (InTownExp)	-	-	-	100		100
7215 Laundry & janitorial supplies	162	130	320	500	154	500
7225 Safety supplies	1,064	1,623	4,399	1,500	6,745	4,500
7293 Chemicals - other	782	1,173	1,886	2,000	1,291	2,000
7299 Other materials & supplies	3,262	5,007	7,993	7,000	3,668	7,000
7315 Food, meals, ice, water	119	301	233	500	198	500
7325 Rental of equip/storage/land	3,759	3,914	4,955	5,000	4,911	6,000
7335 Wearing apparel & dry goods	5,706	4,091	1,800	4,500	1,844	4,500
7415 Fuels & lubricants	4,431	5,148	4,321	6,000	5,282	6,000
7501 Maint. of buildings & structures	3,400	8,795	27,711	10,000	10,375	15,000
7635 Software maintenance service fees	1,600	1,645	1,695	2,500	1,745	2,500
7645 Maintenance services	5,606	4,076	8,196	10,000	8,789	10,000
7699 Other services	23,215	19,969	19,351	25,000	12,833	20,000
7810 Laboratory equipment	-	1,775	447	2,500	2,814	3,000
7820 Office furniture & equipment	507	838	3,449	3,000	464	500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	67,219	70,440	94,193	91,385	68,605	102,650
	601,065	629,044	559,400	614,035	597,004	656,207



Department Responsibility: Vicente Guerrero, III

Title: Laboratory and Cross Conn Control Mgr

Telephone Ext: 6259

Dept. No: 1435

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

**Department Function:**

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

**Department Goals/Objectives:**

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

**INPUT MEASURES**

Employees (FTE's)  
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

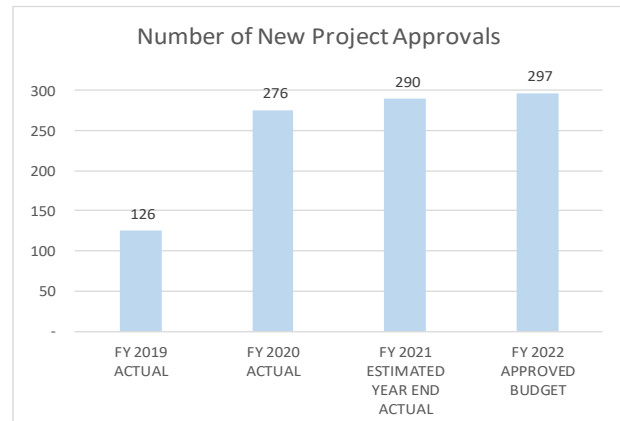
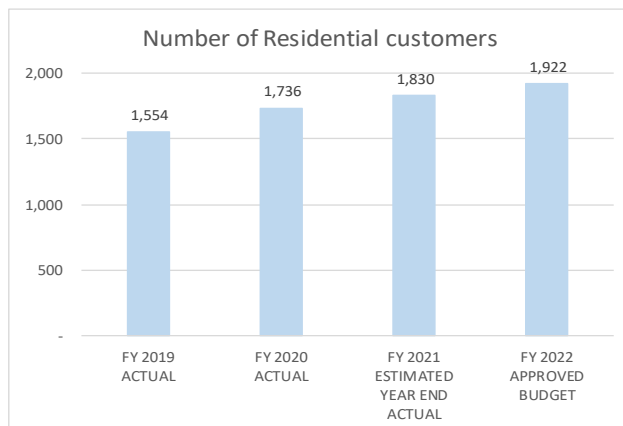
**OUTCOME MEASURES**

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 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
3	3	3	3
\$ 259,090	\$ 488,168	\$ 483,373	\$ 615,251
2,905	3,157	3,337	3,504
4,720	5,123	5,418	5,689
1,273	1,337	1,418	1,489
1,554	1,736	1,830	1,922
80	84	89	93
1,772	1,924	2,075	2,227
126	276	290	297
90	3,051	3203	3,299
0/0/0	0/0/0	0/0/0	0/0/0



## DEPARTMENT 1435 – CROSS CONNECTION CONTROL

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6105 Administrative Staff	\$ 54,787	\$ 54,998	\$ 56,949	\$ 33,946	\$ 56,794	\$ 36,774
6115 Operational staff	72,337	72,999	77,127	74,714	75,718	78,449
6130 Overtime	1,983	2,340	10,245	16,164	10,882	16,164
6201 T.M.R.S.	23,090	23,087	25,211	19,265	25,449	20,222
6205 F.I.C.A.	7,562	7,528	8,226	6,737	8,037	7,144
6210 Medicare	1,768	1,761	1,924	1,576	1,880	1,671
6214 Dental Insurance	814	1,415	1,708	1,655	1,782	1,655
6215 Hospitalization insurance	25,483	27,671	33,339	33,675	38,160	37,043
6220 Life Insurance	148	126	123	131	122	137
6221 Long Term Disability Insurance	107	190	253	217	252	230
6225 Workers Compensation	3,228	3,258	3,608	2,716	3,585	2,881
6230 Vacation leave	141	2,312	2,860	1,388	1,194	1,388
6235 Sick leave	3,075	2,479	(8,390)	1,527	(1,567)	1,527
6260 Vacancy Savings	-	-	-	(5,433)	-	(5,433)
<i>O&amp;M PERSONNEL TOTAL</i>	194,523	200,164	213,184	188,277	222,285	199,851
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	420	-	146	250		150
7110 Dues & memberships	342	479	336	1,000	333	500
7120 Office supplies	1,452	795	2,323	2,200	800	1,500
7130 Postage/shipping charges	29	50	66	250	19	50
7140 Training expenses	5,362	2,826	870	3,500	6,001	3,500
7145 Travel expenses	4,871	2,521	391	2,800		3,000
7147 Mileage Reimbursement (InTownExp)	-	-	-	150		-
7215 Laundry & janitorial supplies	105	104	23	500		100
7225 Safety supplies	308	-	1,306	550	2,059	1,000
7293 Chemicals - other	-	-	-	500		-
7299 Other materials & supplies	7,966	8,429	7,153	10,000	6,345	26,000
7315 Food, meals, ice, water	38	38	41	500	145	100
7325 Rental of equip/storage/land	1,658	1,919	321	-		
7335 Wearing apparel & dry goods	-	1,527	577	2,500	572	2,000
7415 Fuels & lubricants	-	-	-	1,000		-
7635 Software maintenance service fees	5,375	-	-	3,000	2,288	-
7645 Maintenance services	2,150	3,814	-	4,000	590	2,000
7699 Other services	-	35,874	260,056	300,000	241,057	375,000
7820 Office furniture & equipment	613	550	1,376	1,200	881	500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	30,689	58,926	274,984	333,900	261,088	415,400
	225,212	259,090	488,168	522,177	483,373	615,251



Department Responsibility: Eduardo Martinez

Title: Health & Safety Manager

Telephone Ext: 6263

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**

Safety Training Reports

Crew Visit Inspections

Number of Training Sessions Held

**OUTPUT MEASURES**

Number of Employees Provided Training

Total Number of Training Hours

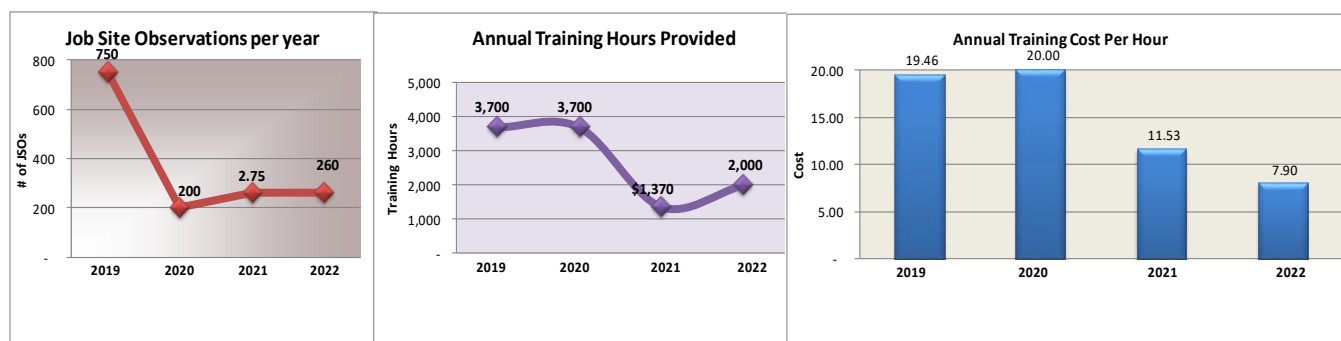
**EFFICIENCY MEASURES**

Cost of Training Hour

Cost per Employee Attendee

FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
6	4	4	4
\$ 1,351,340	\$ 827,400	\$ 692,345	\$ 662,198
24	12	52	52
750	200	260	260
112	102	1,370	1,800
1,070	438	215*	300
3,700	3,700	1,370	2,000
19.46	20.00	11.53	7.90
67.28	70.00	73.48	52.66

\*(Decrease due to COVID -19. H&S did not conduct in-person training. All Training was done online)



## DEPARTMENT 1440 – HEALTH AND SAFETY

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 100,942	\$ 80,053	130,963	\$ 133,349	\$ 136,088	\$ 195,132
6105 Administrative Staff	227,675	190,058	113,561	53,123	64,081	
6110 Clerical staff	28,282	28,898	29,806	30,098	29,073	30,096
6130 Overtime	127	58	9	1,034	333	1,034
6201 T.M.R.S.	64,115	54,619	50,660	38,398	41,121	39,527
6205 F.I.C.A.	21,269	18,148	17,245	13,427	13,605	13,964
6206 Suta	-	-	-	-		
6210 Medicare	4,974	4,244	4,033	3,140	3,182	3,266
6214 Dental Insurance	1,628	2,579	2,604	1,935	2,269	2,261
6215 Hospitalization insurance	50,004	46,305	45,436	34,733	39,808	38,206
6220 Life Insurance	395	285	238	248	201	258
6221 Long Term Disability Insurance	298	416	515	433	437	450
6225 Workers Compensation	8,963	7,713	7,248	5,414	5,792	5,631
6230 Vacation leave	1,433	2,550	8,485	2,766	7,549	2,769
6235 Sick leave	11,582	12,291	(25,747)	3,043	474	3,046
6260 Vacancy Savings	-	-	-	(10,828)		(10,841)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>521,688</b>	<b>448,217</b>	<b>385,055</b>	<b>310,312</b>	<b>344,010</b>	<b>324,798</b>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	1,334	123	235	3,000	1,216	1,000
7110 Dues & memberships	2,351	1,461	6,195	2,400	195	2,400
7115 Educational material	1,192	15,505	-	3,000	-	7,850
7120 Office supplies	4,596	2,966	1,873	1,500	3,792	2,000
7125 Photo equipment/supplies	160	-	-	500	-	550
7130 Postage/shipping charges	465	76	72	300	90	400
7135 Telephone expenses	4,540	4,201	4,199	6,000	5,133	5,250
7140 Training expenses	2,325	595	-	6,000	19,200	5,000
7145 Travel expenses	6,849	680	-	-	-	-
7220 Medical supplies	176	306	-	1,000	-	250
7225 Safety supplies	43	343	42,160	2,500	2,669	3,000
7299 Other materials & supplies	16,481	17,868	19,028	20,000	13,428	22,700
7315 Food, meals, ice, water	3,481	979	296	2,500	3,767	2,500
7320 Official functions	265	4,709	-	-	-	-
7322 Recognition Program	29,238	29,697	31,633	20,000	23,190	30,000
7325 Rental of equip/storage/land	520	3,592	4,156	5,100	1,990	6,600
7415 Fuels & lubricants	3,775	4,011	2,949	4,000	4,215	4,200
7635 Software maintenance service fees	31,602	26,282	29,544	35,000	20,229	30,000
7645 Maintenance services	44,869	20,304	36,851	40,000	-	35,000
7650 Security services	553,851	626,157	178,702	-	-	-
7699 Other services	316,042	137,726	81,588	331,000	221,434	156,000
7805 Computer equipment	-	-	873	6,000	-	5,000
7806 Software licenses-new	2,001	-	1,990	10,000	20,755	12,000
7820 Office furniture & equipment	5,544	310	-	-	-	-
7899 Other minor tools & equipment	13,813	5,232	-	8,000	7,029	5,700
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>1,045,513</b>	<b>903,123</b>	<b>442,345</b>	<b>507,800</b>	<b>348,335</b>	<b>337,400</b>
	<b>1,567,201</b>	<b>1,351,340</b>	<b>827,400</b>	<b>818,112</b>	<b>692,345</b>	<b>662,198</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

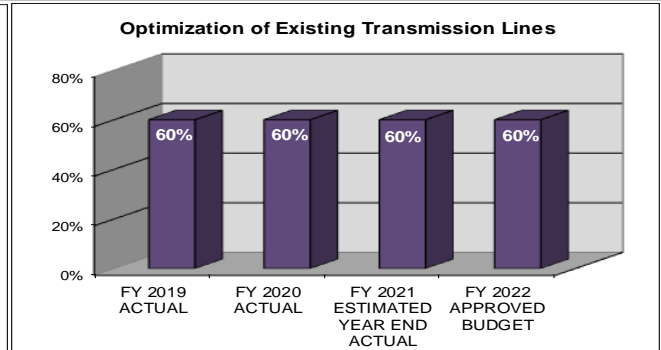
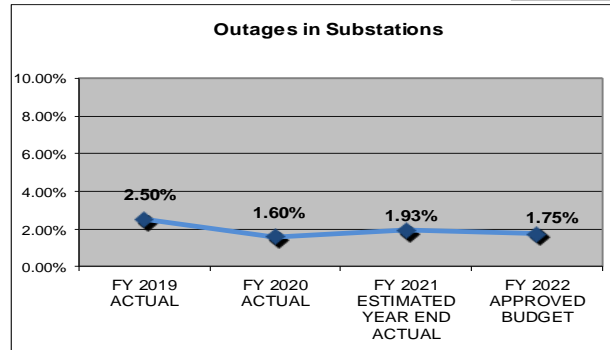
**OUTCOME MEASURES**

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 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
24	23	23	23
\$ 1,958,950	\$ 2,212,968	\$ 2,256,460	\$ 2,130,541
14	15	15	15
672	700	700	700
10	10	8	12
12	7	12	15
24	50	22	28
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
2.50%	1.60%	1.93%	1.75%
60%	60%	60%	60%
0%	0%	0%	0%
100%	100%	100%	100%
1,054	1,280	1,124	1,176





## DEPARTMENT 2120 – SUBSTATIONS AND RELAYING

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 111,821	\$ 112,251	\$ 125,821	\$ 115,461	\$ 115,905	\$ 121,234
6110 Clerical staff	34,401	33,272	24,898	30,181	30,329	31,690
6115 Operational staff	880,349	856,584	941,022	896,470	890,801	945,806
6130 Overtime	58,942	66,493	111,716	84,042	116,631	85,328
6140 Severance Pay	4,556	-	-	-	-	-
6201 T.M.R.S.	192,884	228,583	230,270	184,766	221,469	192,827
6205 F.I.C.A.	64,083	63,664	74,440	64,611	73,570	68,121
6206 Suta	-	-	2,691	-	-	-
6210 Medicare	14,987	14,889	17,409	15,111	17,206	15,932
6214 Dental Insurance	5,099	9,282	10,663	11,585	10,434	11,260
6215 Hospitalization insurance	158,528	158,240	180,214	204,096	198,943	217,670
6220 Life Insurance	1,117	909	927	1,211	898	1,268
6221 Long Term Disability Insurance	872	1,462	2,007	2,084	1,906	2,197
6225 Workers Compensation	27,075	26,834	31,188	26,053	30,816	27,468
6230 Vacation leave	(1,136)	5,608	25,053	13,308	20,648	12,759
6235 Sick leave	5,502	1,261	(22,150)	14,642	6,865	14,038
6250 Miscellaneous personnel benefits	-	495	-	-	-	-
6260 Vacancy Savings	-	-	-	(52,106)	-	(49,958)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>1,559,080</i>	<i>1,579,828</i>	<i>1,756,170</i>	<i>1,611,515</i>	<i>1,736,422</i>	<i>1,697,641</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	100	-	-
7110 Dues & memberships	487	354	434	500	307	350
7120 Office supplies	695	2,656	380	1,000	3,200	1,500
7130 Postage/shipping charges	1,051	331	405	650	1,888	500
7140 Training expenses	99	3,520	-	5,000	-	11,200
7145 Travel expenses	2,688	2,360	114	5,000	-	10,200
7180 Utilities - departmental	123,237	117,803	133,862	100,000	127,786	100,000
7190 Utilities - CP&L & Mvec	-	-	-	-	769	500
7203 Sand, Caliche, Gravel, Concrete etc	-	-	-	500	-	350
7215 Laundry & janitorial supplies	-	159	55	250	-	150
7225 Safety supplies	1,137	6,153	7,134	6,000	10,902	7,000
7293 Chemicals - other	4,375	1,276	11,942	10,000	1,764	7,000
7299 Other materials & supplies	25,115	46,490	94,324	58,000	81,610	79,950
7315 Food, meals, ice, water	275	312	324	500	-	350
7325 Rental of equip/storage/land	5,253	9,634	7,289	10,000	50,668	39,950
7335 Wearing apparel & dry goods	45,196	29,979	11,295	10,000	7,635	7,500
7415 Fuels & lubricants	17,035	20,590	18,627	17,000	32,859	20,000
7501 Maint. of buildings & structures	9,240	5,564	5,460	5,000	1,051	6,000
7505 Maint. of communication equipment	-	106	234	1,000	828	500
7540 Maint. of line transformers	54,186	48,465	57,187	50,000	87,365	50,000
7550 Maint. of overhead lines	-	0	4,236	-	-	-
7555 Maint. of station equipment	20,195	24,624	28,009	30,000	66,855	40,000
7570 Maint. of underground lines	6,095	23,558	6,353	-	1,317	-
7599 Maintenance / other	-	1,051	250	-	-	-
7645 Maintenance services	7,250	-	10,380	15,000	194	10,000
7699 Other services	2,912	6,379	17,026	15,000	6,996	10,000
7805 Computer equipment	513	-	6,357	2,500	92	2,500
7806 Software licenses-new	6,250	2,000	6,400	2,500	2,780	5,000
7820 Office furniture & equipment	240	378	585	500	115	400
7835 Tools, shop and garage equipment	6,988	15,473	14,296	12,000	16,288	10,000
7899 Other minor tools & equipment	5,619	9,909	13,837	12,000	16,769	12,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>346,134</i>	<i>379,122</i>	<i>456,798</i>	<i>370,000</i>	<i>520,038</i>	<i>432,900</i>
	<b>1,905,214</b>	<b>1,958,950</b>	<b>2,212,968</b>	<b>1,981,515</b>	<b>2,256,460</b>	<b>2,130,541</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.

**INPUT MEASURES**

Staff

O&M Expenses

**OUTPUT MEASURES**

Street/Security Lights Repairs

Miles of Line Washed

Set/Replace Transformers

Set/Replace Poles

Locate/Repair Underground Residential

Distribution Faults

Work orders Completed

General Service Request Closed

**EFFICIENCY MEASURES**

Install Street / Security Lights

New Connections

Average Power Restoration Time per

Outage (hrs.)

Average time of Street Light Repair (Cal.

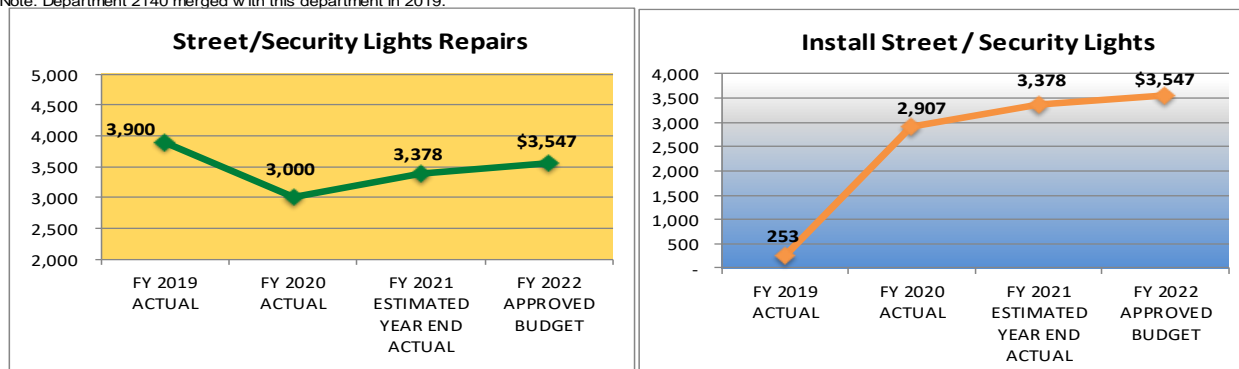
Days)

Average time of Security Light Repair (Cal.

Days)

	FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
Staff	50	50	50	50
O&M Expenses	\$ 3,450,567	\$ 4,128,131	\$ 3,745,296	\$ 3,842,127
Street/Security Lights Repairs	3,900	3,000	3,378	\$ 3,547
Miles of Line Washed	60	55	40	\$ 42
Set/Replace Transformers	471	500	710	\$ 746
Set/Replace Poles	438	400	674	\$ 708
Locate/Repair Underground Residential Distribution Faults	275	245	280	\$ 294
Work orders Completed	392	250	353	\$ 371
General Service Request Closed	11,000	11,000	11,000	\$ 11,550
Install Street / Security Lights	253	2,907	3,378	\$ 3,547
New Connections	1,349	1,100	1,200	\$ 1,260
Average Power Restoration Time per Outage (hrs.)	2	2	3	\$ 3
Average time of Street Light Repair (Cal. Days)	4	5	5	\$ 5
Average time of Security Light Repair (Cal. Days)	4	5	5	\$ 5

Note: Department 2140 merged with this department in 2019.



# DEPARTMENT 2130 - ELECTRIC TRANSMISSION AND DISTRIBUTION CONSTRUCTION AND MAINTENANCE

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 92,706	\$ 93,062	\$ 96,354	\$ 95,722	\$ 96,090	\$ 100,508
6105 Administrative Staff	-	-	-	-	51,401	70,676
6110 Clerical staff	19,948	17,585	18,281	17,482	13,524	15,135
6115 Operational staff	485,194	1,256,487	1,259,603	1,298,105	1,093,801	1,470,593
6130 Overtime	42,859	85,480	134,010	75,239	140,283	101,209
6140 Severance Pay	-	-	5,068	-	-	-
6201 T.M.R.S.	107,429	409,814	420,352	250,225	408,074	290,788
6205 F.I.C.A.	34,311	84,531	91,207	87,501	83,128	102,729
6206 Suta	-	-	2,232	-	-	-
6210 Medicare	8,024	19,771	21,330	20,464	19,441	24,025
6214 Dental Insurance	3,187	15,406	18,565	21,485	17,288	21,057
6215 Hospitalization insurance	108,942	280,548	322,881	377,006	334,207	413,147
6220 Life Insurance	583	1,250	1,208	1,693	1,160	1,928
6221 Long Term Disability Insurance	455	1,927	2,502	2,823	2,410	3,314
6225 Workers Compensation	15,308	36,829	41,104	35,283	37,377	41,423
6230 Vacation leave	7,640	534	42,648	18,022	15,111	17,557
6235 Sick leave	8,383	(988)	(53,072)	19,829	(8,497)	19,317
6250 Miscellaneous personnel benefits	-	35	-	-	-	-
6260 Vacancy Savings	-	-	-	(70,565)	-	(68,744)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>934,971</i>	<i>2,302,270</i>	<i>2,424,275</i>	<i>2,250,313</i>	<i>2,304,797</i>	<i>2,624,662</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	294	15	-	600	332	-
7110 Dues & memberships	735	770	565	700	1,677	1,200
7120 Office supplies	4,218	2,552	4,369	3,000	3,093	1,500
7130 Postage/shipping charges	71	1,041	1,289	2,000	3,651	3,000
7140 Training expenses	-	-	11,900	1,500	480	4,000
7145 Travel expenses	-	134	324	1,000	218	200
7180 Utilities - departmental	2,200	1,342	1,290	2,000	1,318	1,000
7201 Barricades & signs	-	-	-	2,000	-	-
7203 Sand, Caliche, Gravel, Concrete etc	-	2,201	425	1,000	1,407	500
7205 Lamps, globes & flares	13,296	8,510	7,504	10,000	659	800
7210 Landscaping/Trade a Tree Program	128	118	75	250	-	-
7225 Safety supplies	19,756	29,494	36,752	40,000	23,798	22,000
7299 Other materials & supplies	51,754	100,501	100,645	100,000	119,975	120,000
7315 Food, meals, ice, water	1,046	1,636	1,745	1,500	123	200
7325 Rental of equip/storage/land	4,586	3,749	5,548	5,000	6,411	4,600
7335 Wearing apparel & dry goods	69,467	72,002	23,448	20,000	24,866	16,000
7415 Fuels & lubricants	78,230	110,283	92,228	90,000	116,727	100,000
7501 Maint. of buildings & structures	620	-	-	-	-	-
7505 Maint. of communication equipment	-	-	-	-	14,971	-
7520 Maint. of minor equipment	-	-	-	3,000	-	-
7525 Maint. of boiler plant	-	-	193	-	-	-
7535 Maint. of electric plant	-	-	508	-	49	-
7540 Maint. of line transformers	3,025	44,938	32,038	50,000	28,651	20,500
7550 Maint. of overhead lines	97,423	154,722	113,477	120,000	54,324	60,800
7555 Maint. of station equipment	-	-	-	-	-	-
7565 Maint. of street lighting & signals	18,508	390,616	886,506	420,000	773,846	649,115
7570 Maint. of underground lines	51,802	41,861	22,380	40,000	40,766	75,000
7599 Maintenance / other	3,289	9,858	3,193	10,000	1,019	850
7645 Maintenance services	-	-	125	-	-	-
7650 Security services	-	-	-	-	-	500
7699 Other services	10,365	3,796	36,958	15,000	33,158	35,000
7801 Communication equipment	10,801	469	198	1,000	1,062	500
7805 Computer equipment	1,186	202	-	2,000	184	-
7820 Office furniture & equipment	431	-	-	500	959	500
7835 Tools, shop and garage equipment	12,119	32,035	36,422	35,000	46,128	24,700
7899 Other minor tools & equipment	112,657	135,453	283,751	167,200	140,647	75,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>568,008</i>	<i>1,148,297</i>	<i>1,703,856</i>	<i>1,144,250</i>	<i>1,440,499</i>	<i>1,217,465</i>
	<b>1,502,979</b>	<b>3,450,567</b>	<b>4,128,131</b>	<b>3,394,563</b>	<b>3,745,296</b>	<b>3,842,127</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 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6110 Clerical staff	-	-	-	-	-	-
6115 Operational staff	587,005	-	-	-	-	-
6130 Overtime	33,597	-	-	-	-	-
6140 Severance Pay	5,200	-	-	-	-	-
6201 T.M.R.S.	106,470	-	-	-	-	-
6205 F.I.C.A.	34,565	-	-	-	-	-
6210 Medicare	8,084	-	-	-	-	-
6214 Dental Insurance	3,181	-	-	-	-	-
6215 Hospitalization insurance	98,896	-	-	-	-	-
6220 Life Insurance	591	-	-	-	-	-
6221 Long Term Disability Insurance	449	-	-	-	-	-
6225 Workers Compensation	14,987	-	-	-	-	-
6230 Vacation leave	1,404	-	-	-	-	-
6235 Sick leave	4,060	-	-	-	-	-
<i>O&amp;M PERSONNEL TOTAL</i>	<u>898,489</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>

## **DEPARTMENT 2140 – ELECTRIC TRANSMISSION AND DISTRIBUTION MAINTENANCE**

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	-	-	-
7110 Dues & memberships	139	-	-	-	-	-
7120 Office supplies	1,021	-	-	-	-	-
7130 Postage/shipping charges	130	-	-	-	-	-
7135 Telephone expenses	-	-	-	-	-	-
7140 Training expenses	-	-	-	-	-	-
7145 Travel expenses	-	-	-	-	-	-
7203 Sand, Caliche, Gravel, Concrete etc	-	-	-	-	-	-
7205 Lamps, globes & flares	-	-	-	-	-	-
7210 Landscaping/Trade a Tree Program	-	-	-	-	-	-
7225 Safety supplies	5,926	-	-	-	-	-
7299 Other materials & supplies	52,382	-	-	-	-	-
7310 Federal, state, & local fees	-	-	-	-	-	-
7315 Food, meals, ice, water	314	-	-	-	-	-
7325 Rental of equip/storage/land	1,975	-	-	-	-	-
7335 Wearing apparel & dry goods	42,541	-	-	-	-	-
7415 Fuels & lubricants	46,656	-	-	-	-	-
7501 Maint. of buildings & structures	-	-	-	-	-	-
7505 Maint. of communication equipment	-	-	-	-	-	-
7535 Maint. of electric plant	167	-	-	-	-	-
7540 Maint. of line transformers	58,206	(7,842)	-	-	-	-
7545 Maint. of misc. steam plant	-	-	-	-	-	-
7550 Maint. of overhead lines	26,574	-	-	-	-	-
7565 Maint. of street lighting & signals	156,944	-	-	-	-	-
7570 Maint. of underground lines	29,265	-	-	-	-	-
7599 Maintenance / other	1,263	-	-	-	-	-
7630 Construction contractor services	-	-	-	-	-	-
7699 Other services	3,953	75	-	-	-	-
7801 Communication equipment	460	-	-	-	-	-
7805 Computer equipment	-	-	-	-	-	-
7820 Office furniture & equipment	-	-	-	-	-	-
7835 Tools, shop and garage equipment	37,584	-	-	-	-	-
7899 Other minor tools & equipment	13,070	-	-	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	478,571	(7,767)	-	-	-	-
	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

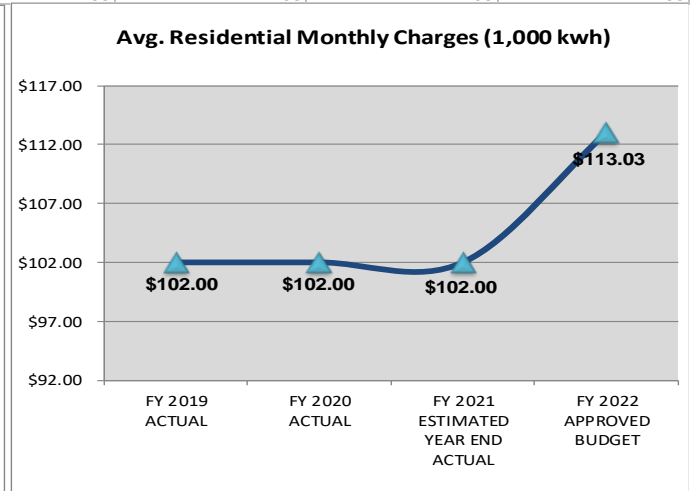
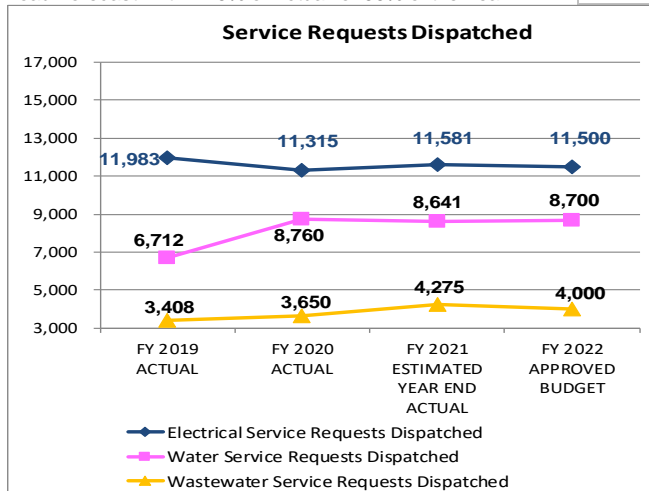
All Certified Operators Maintain NERC Certification

## **EFFICIENCY MEASURES**

Avg. Residential Monthly Charges (1,000 kwh)

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

FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
15	15	15	15
\$ 1,500,416	\$ 1,455,702	\$ 1,584,422	\$ 1,813,578
16	14	14	14
11,983	11,315	11,581	11,500
6,712	8,760	8,641	8,700
3,408	3,650	4,275	4,000
98	122	85	100
None	None	None	None
Yes	Yes	Yes	Yes
\$ 102.00	\$ 102.00	\$ 102.00	\$ 113.03
Yes	Yes	Yes	Yes



## DEPARTMENT 2150 - ENERGY CONTROL CENTER OPERATIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 104,957	\$ 105,360	\$ 109,084	\$ 108,368	\$ 108,785	\$ 113,786
6110 Clerical staff	65,952	66,201	48,977	62,941	48,252	75,588
6115 Operational staff	827,663	771,547	807,665	802,963	771,958	950,209
6130 Overtime	65,746	66,562	73,569	73,624	108,539	79,749
6201 T.M.R.S.	190,356	181,279	183,026	172,738	184,690	199,997
6205 F.I.C.A.	63,139	60,457	61,529	60,405	60,828	70,654
6210 Medicare	14,766	14,139	14,390	14,127	14,226	16,524
6214 Dental Insurance	4,081	8,142	9,141	10,390	8,564	10,591
6215 Hospitalization insurance	138,682	141,612	156,334	183,297	166,373	208,898
6220 Life Insurance	1,057	849	809	1,103	771	1,265
6221 Long Term Disability Insurance	794	1,358	1,787	1,949	1,715	2,279
6225 Workers Compensation	26,649	25,629	26,238	24,357	26,030	28,490
6230 Vacation leave	(1,573)	3,279	18,504	12,441	9,169	12,438
6235 Sick leave	12,608	(11,276)	(99,378)	13,689	11,099	13,685
6240 Educational assistance	1,646	-	-	-	-	-
6260 Vacancy Savings	-	-	-	(48,714)	-	(48,700)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>1,516,523</u>	<u>1,435,139</u>	<u>1,411,674</u>	<u>1,493,678</u>	<u>1,520,998</u>	<u>1,735,453</u>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	250	-	-
7110 Dues & memberships	780	1,897	2,000	3,000	400	2,000
7120 Office supplies	1,877	2,075	2,242	3,000	1,470	2,000
7130 Postage/shipping charges	-	64	7	75	30	75
7140 Training expenses	20,369	24,340	13,145	30,000	-	30,000
7145 Travel expenses	24,655	15,487	1,882	5,000	40,630	20,000
7180 Utilities - departmental	11,109	10,672	9,744	7,000	-	7,000
7225 Safety supplies	-	-	2,695	5,200	8,415	6,500
7299 Other materials & supplies	440	537	1,056	600	4,213	600
7315 Food, meals, ice, water	868	502	428	750	110	750
7325 Rental of equip/storage/land	5,212	4,867	3,535	5,200	370	5,200
7415 Fuels & lubricants	-	-	-	100	3,725	-
7501 Maint. of buildings & structures	1,507	142	306	1,000	-	-
7505 Maint. of communication equipment	479	388	1,231	1,000	3,837	500
7645 Maintenance services	630	130	130	500	-	200
7699 Other services	-	1,275	600	500	-	500
7805 Computer equipment	45	370	940	1,000	225	1,000
7806 Software licenses-new	480	-	-	800	-	800
7820 Office furniture & equipment	2,457	2,258	2,144	-	-	-
7899 Other minor tools & equipment	30	274	1,944	1,000	-	1,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>70,935</u>	<u>65,277</u>	<u>44,028</u>	<u>65,975</u>	<u>63,424</u>	<u>78,125</u>
	<b>1,587,458</b>	<b>1,500,416</b>	<b>1,455,702</b>	<b>1,559,653</b>	<b>1,584,422</b>	<b>1,813,578</b>



Department Responsibility: **Elias Quintero Jr.**

Title: **SCADA & Electrical  
Support Services Mgr.**

Telephone Ext: **6325**

Dept. No: **2210**

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

**Department Function:**

SCADA & Electrical Support Services Department is responsible for planning, organizing, installing, implementing, preventive and corrective maintenance, and repair of all equipment associated with the Water/Wastewater/Lift Station Supervisory Control and Data Acquisition (SCADA) systems and the Electric SCADA systems. This includes all electrical motors, emergency generators, motor control centers and switchgear; electrical, pneumatic and hydraulic controls and instrumentation; communication devices, telemetry, fiber optic systems, Remote Terminal Units, cyber security appliances, routers, network switches, computer servers and workstations, and computer network monitoring tools. This equipment is located in different parts of 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

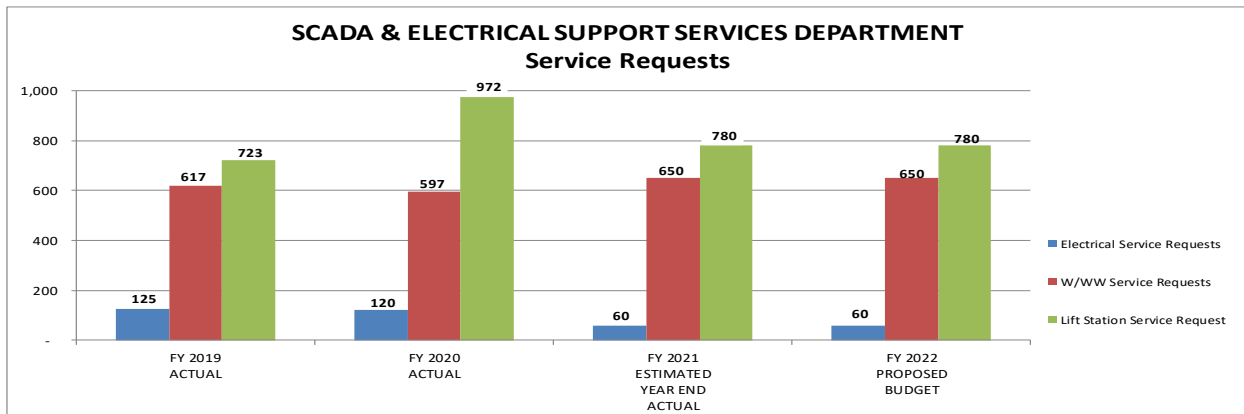
**OUTCOME MEASURES**

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 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 PROPOSED BUDGET
23	23	23	23
\$ 1,656,771	\$ 1,856,709	\$ 1,675,227	\$ 1,958,555
\$ 1,080,276	\$ 1,269,856	\$ 1,362,105	\$ 1,385,550
45	45	46	46
100	100	100	100
100	100	100	100
185	185	185	185
125	120	60	60
617	597	650	650
723	972	780	780
23	23	24	25
277	450	900	900
101	103	50	50
586	562	590	590
704	950	760	760
81%	86%	83%	83%
95%	94%	91%	91%
97%	98%	97%	97%





## DEPARTMENT 2210 – SCADA & ELECTRICAL SUPPORT SERVICES

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 266,078	\$ 264,122	\$ 294,724	\$ 313,394	\$ 306,675	\$ 441,815
6105 Administrative Staff	192,762	204,473	271,177	283,878	154,548	173,497
6110 Clerical staff	33,449	33,751	34,815	33,530	34,687	35,206
6115 Operational staff	567,039	546,267	591,588	606,362	545,341	620,630
6130 Overtime	23,491	44,849	87,426	45,321	68,634	63,250
6201 T.M.R.S.	194,201	212,161	238,209	219,349	210,048	223,087
6205 F.I.C.A.	64,000	64,965	77,333	76,704	68,407	78,811
6206 Suta	-	-	-	-	-	-
6210 Medicare	14,968	15,193	18,086	17,939	15,998	18,432
6214 Dental Insurance	5,546	10,161	12,308	14,337	10,772	14,136
6215 Hospitalization insurance	184,700	191,061	228,187	269,288	213,462	282,110
6220 Life Insurance	1,191	990	1,037	1,434	920	1,463
6221 Long Term Disability Insurance	889	1,562	2,218	2,474	1,969	2,542
6225 Workers Compensation	27,170	27,938	32,747	30,929	29,029	31,779
6230 Vacation leave	12,871	17,794	21,800	15,799	11,868	15,537
6235 Sick leave	19,743	21,047	(54,948)	17,382	2,871	17,094
6250 Miscellaneous personnel benefits	-	438	-	-	-	-
6260 Vacancy Savings	-	-	-	(61,858)	-	(60,833)
<i>O&amp;M PERSONNEL TOTAL</i>	1,608,098	1,656,771	1,856,709	1,886,261	1,675,227	1,958,555
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	725	1,399	941	900	548	900
7120 Office supplies	3,732	4,546	3,651	3,000	3,028	3,000
7130 Postage/shipping charges	1,243	574	1,206	600	520	600
7140 Training expenses	16,102	4,919	11,404	10,000	16,796	10,000
7145 Travel expenses	19,701	7,095	6,279	500	-	1,800
7180 Utilities - departmental	2,285	2,270	1,998	2,500	2,091	2,000
7225 Safety supplies	7,602	13,113	25,160	10,000	21,374	15,000
7299 Other materials & supplies	362,718	274,743	406,403	300,000	447,109	350,000
7304 Hurricane Preparedness Expenses	216,850	260,754	313,809	250,000	225,399	265,000
7305 ERCOT expenses	126,555	88,215	114,649	122,000	127,235	122,000
7310 Federal, state, & local fees	340	374	696	500	745	750
7315 Food, meals, ice, water	1,298	2,807	2,529	2,000	342	2,000
7325 Rental of equip/storage/land	274	230	163	500	491	500
7335 Wearing apparel & dry goods	19,008	17,975	8,184	15,000	11,930	10,000
7415 Fuels & lubricants	21,884	26,806	25,563	26,000	31,312	26,000
7501 Maint. of buildings & structures	7,010	5,598	12,151	10,000	13,716	10,000
7505 Maint. of communication equipment	103	609	3,361	5,000	514	5,000
7605 Engineering fees	-	-	-	30,000	59,438	50,000
7635 Software maintenance service fees	42,508	98,298	63,965	77,000	90,774	106,000
7645 Maintenance services	256,671	185,658	186,711	200,000	256,532	340,000
7801 Communication equipment	18,188	16,944	11,276	10,000	5,032	10,000
7805 Computer equipment	14,632	15,733	18,183	18,000	23,042	20,000
7806 Software licenses-new	20,130	18,646	27,177	16,000	6,920	16,000
7820 Office furniture & equipment	5,880	6,532	4,720	2,000	900	1,000
7899 Other minor tools & equipment	12,108	26,437	19,679	18,000	16,320	18,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	1,177,547	1,080,276	1,269,856	1,129,500	1,362,105	1,385,550
	2,785,645	2,737,047	3,126,565	3,015,761	3,037,332	3,344,105



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**

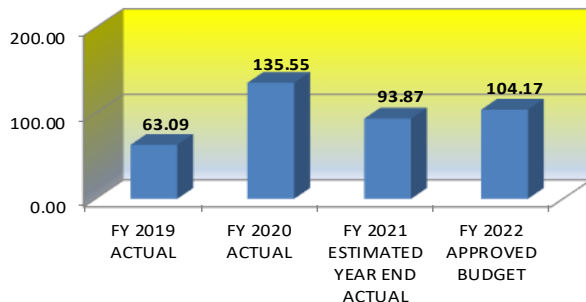
Revenue, Gross (\$Base: Gen @ \$0.10/kwh)  
Other Revenue (\$ for Contract Services)

**EFFICIENCY MEASURES**

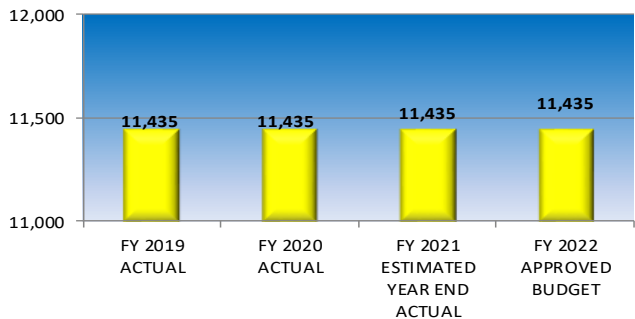
Plant Heat Rate (BTU/ KWH @ 1040 HHV)  
Reliability (%)

FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
27	27	27	27
3,062	3,682	3,682	3,682
\$ 2,255,925	\$ 2,254,534	\$ 2,327,999	\$ 2,377,793
\$ 9,375,804	\$ 8,036,504	\$ 4,329,544	\$ 6,521,871
63.09	135.55	93.87	104.17
81%	88%	67%	71%
\$ 9,257,426	\$ 13,555,000	\$ 9,387,015	\$ 10,471,000
\$ -	\$ -	\$ -	\$ -
11,435	11,435	11,435	11,435
98.32%	90.45%	68.15%	72.10%

**Generation Produced (GWH)**



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



## DEPARTMENT 2220 - POWER PRODUCTION

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 251,867	\$ 251,722	\$ 282,195	\$ 348,296	\$ 313,687	\$ 355,599
6105 Administrative Staff	116,019	119,291	115,541	53,747	142,548	149,102
6110 Clerical staff	25,891	26,062	26,351	26,624	27,182	27,955
6115 Operational staff	1,015,186	1,032,660	1,042,137	1,043,120	896,339	977,306
6130 Overtime	124,362	111,840	93,824	123,325	188,884	121,255
6140 Severance Pay	-	-	-	-	4,230	-
6201 T.M.R.S.	275,509	274,727	279,945	260,948	283,974	264,998
6205 F.I.C.A.	90,730	90,787	94,253	91,251	93,994	93,618
6206 Suta	-	-	-	-	179	-
6210 Medicare	21,219	21,232	22,043	21,341	21,982	21,894
6214 Dental Insurance	6,999	14,402	16,772	18,955	15,250	18,102
6215 Hospitalization insurance	241,125	253,148	280,981	325,174	287,672	339,005
6220 Life Insurance	1,555	1,341	1,290	1,703	1,191	1,733
6221 Long Term Disability Insurance	1,170	2,094	2,763	2,944	2,563	3,020
6225 Workers Compensation	38,511	39,110	40,556	36,795	40,129	37,749
6230 Vacation leave	(1,442)	10,033	31,182	18,795	24,766	18,479
6235 Sick leave	2,044	7,475	(75,299)	20,679	(16,569)	20,331
6260 Vacancy Savings	-	-	-	(73,589)	-	(72,354)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>2,210,745</i>	<i>2,255,925</i>	<i>2,254,534</i>	<i>2,320,107</i>	<i>2,327,999</i>	<i>2,377,793</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	57	233	-	1,500	-	-
7110 Dues & memberships	770	305	320	1,000	140	500
7120 Office supplies	2,375	1,888	655	2,500	2,174	1,900
7130 Postage/shipping charges	6,378	18,159	1,941	10,000	5,156	25,500
7140 Training expenses	12,290	15,965	2,705	20,000	9,250	16,674
7145 Travel expenses	20,167	26,953	5,168	10,000	624	23,000
7147 Mileage Reimbursement (InTownExp)	-	-	-	200	-	-
7180 Utilities - departmental	156,811	171,131	231,303	200,000	210,509	220,000
7215 Laundry & janitorial supplies	2,582	1,424	1,396	4,500	2,129	2,000
7225 Safety supplies	1,574	7,381	8,538	6,000	13,674	6,500
7293 Chemicals - other	67,495	54,103	113,483	80,000	68,000	80,000
7299 Other materials & supplies	19,936	9,398	17,442	20,000	20,167	23,000
7310 Federal, state, & local fees	-	256	70	800	70	300
7315 Food, meals, ice, water	928	842	973	1,000	331	1,000
7325 Rental of equip/storage/land	3,945	3,958	8,535	9,000	6,147	29,200
7335 Wearing apparel & dry goods	50,955	28,952	5,093	28,000	7,554	10,500
7415 Fuels & lubricants	6,012	8,353	4,648	6,000	7,682	2,000
7501 Maint. of buildings & structures	23,163	39,928	43,138	80,000	52,948	72,000
7505 Maint. of communication equipment	-	4,501	25	5,000	1,453	5,000
7515 Maint. of major equipment	2,003,006	1,168,486	250,313	451,900	396,926	288,908
7520 Maint. of minor equipment	39,805	6,818	44,805	40,110	16,141	36,350
7525 Maint. of boiler plant	231,840	58,587	158,775	574,000	143,397	851,431
7605 Engineering fees	45,640	117,060	23,917	55,000	21,656	38,000
7635 Software maintenance service fees	4,080	4,800	56,254	100,000	40,422	115,344
7645 Maintenance services	132,832	43,504	1,671	80,000	60,027	297,500
7699 Other services	9,984	4,730	4,857	10,000	10,889	12,750
7731 Pchp - Fixed expenses - Oklaunion	4,641,903	4,352,561	3,805,918	500,000	-	-
7732 Pchp - Hidalgo Fixed Operation Fee	3,346,971	3,213,956	3,231,030	4,345,864	3,223,658	4,345,864
7805 Computer equipment	644	-	1,363	4,050	-	4,150
7806 Software licenses-new	3,564	4,950	4,752	5,000	4,752	-
7820 Office furniture & equipment	31	1,121	101	6,000	109	6,000
7899 Other minor tools & equipment	2,712	5,504	7,314	8,000	3,560	6,500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>10,838,449</i>	<i>9,375,804</i>	<i>8,036,504</i>	<i>6,665,424</i>	<i>4,329,544</i>	<i>6,521,871</i>
	<b>13,049,194</b>	<b>11,631,729</b>	<b>10,291,038</b>	<b>8,985,531</b>	<b>6,657,543</b>	<b>8,899,664</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

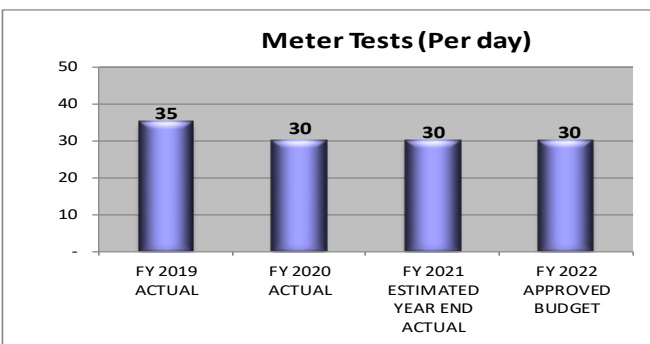
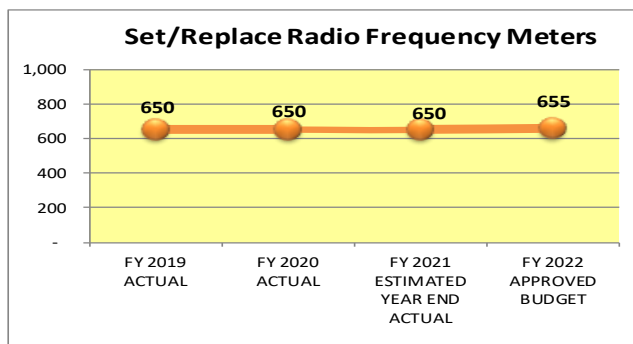
#### OUTCOME MEASURES

Comply With ERCOT

#### EFFICIENCY MEASURES

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

	FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
Staff	8	8	8	8
ERCOT TDSP Meters	8	8	8	8
Total O&M Expenses	\$ 781,223	\$ 684,133	\$ 679,860	\$ 731,518
Install/ Maintain CT Rated Demand Meters	350	325	325	350
Meter Investigation	2,100	2,100	2,100	2,200
Set/Replace Radio Frequency Meters	650	650	650	655
Total Meter Tests	8,500	7,200	7,200	7,440
Total Service Orders Resolved	8,500	7,200	7,200	7,440
Comply With ERCOT	Yes	Yes	Yes	Yes
Meter Tests (Per day)	35	30	30	30
Service Orders Closed (Per day)	50	50	30	30



## DEPARTMENT 2310 - ELECTRIC METER SHOP

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6105 Administrative Staff	\$ 57,162	\$ 39,528	\$ 53,076	\$ 52,728	\$ 52,931	\$ 55,364
6115 Operational staff	264,655	255,632	258,785	270,130	232,204	265,007
6130 Overtime	11,420	12,260	8,615	10,523	4,188	3,379
6201 T.M.R.S.	59,820	55,089	58,402	57,243	51,979	56,225
6205 F.I.C.A.	19,561	17,925	19,303	20,017	16,660	19,863
6206 Suta	268	-	-	-		
6210 Medicare	4,575	4,192	4,515	4,681	3,896	4,645
6214 Dental Insurance	2,078	3,660	4,126	4,924	3,924	4,723
6215 Hospitalization insurance	69,332	70,577	77,863	94,321	80,395	96,917
6220 Life Insurance	382	299	280	392	271	389
6221 Long Term Disability Insurance	234	361	479	560	446	540
6225 Workers Compensation	8,486	7,823	8,286	8,071	7,297	8,009
6230 Vacation leave	411	(3,670)	13,059	4,123	6,563	3,896
6235 Sick leave	15,447	(7,106)	(42,415)	4,536	5,843	4,287
6250 Miscellaneous personnel benefits	7,467	-	-	500		250
6260 Vacancy Savings	-	-	-	(16,143)		(15,256)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>521,297</b>	<b>456,569</b>	<b>464,374</b>	<b>516,606</b>	<b>466,596</b>	<b>508,240</b>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	250	322	250
7110 Dues & memberships	-	205	-	250		250
7120 Office supplies	1,358	941	829	1,300	324	400
7130 Postage/shipping charges	796	1,275	45	800	912	1,000
7135 Telephone expenses	-	35	-	50	95	
7140 Training expenses	7,006	4,889	-	1,000	317	6,778
7145 Travel expenses	12,324	9,462	3,563	1,500		8,700
7225 Safety supplies	833	2,914	6,404	5,000	6,827	6,500
7299 Other materials & supplies	31,422	35,609	19,825	30,000	76,802	80,000
7315 Food, meals, ice, water	155	261	119	400		200
7325 Rental of equip/storage/land	3,153	3,286	1,913	3,000	2,456	3,000
7335 Wearing apparel & dry goods	10,779	9,207	6,087	5,000	3,077	5,000
7415 Fuels & lubricants	9,997	12,267	9,093	10,000	11,917	9,000
7501 Maint. of buildings & structures	4,024	-	-	-		
7505 Maint. of communication equipment	7,196	46	-	1,500		1,000
7530 Maint. of electric meters	207,575	230,169	166,408	200,000	105,405	96,250
7599 Maintenance / other	762	-	450	-		
7699 Other services	-	773	1,177	1,000		250
7801 Communication equipment	12,323	-	-	-		
7805 Computer equipment	1,477	248	225	500	282	250
7806 Software licenses-new	-	-	-	500		450
7820 Office furniture & equipment	1,158	338	-	200		-
7835 Tools, shop and garage equipment	2,530	5,709	835	1,000	59	
7899 Other minor tools & equipment	3,730	7,020	2,784	-	4,471	4,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>318,596</b>	<b>324,654</b>	<b>219,759</b>	<b>263,250</b>	<b>213,264</b>	<b>223,278</b>
	<b>839,893</b>	<b>781,223</b>	<b>684,133</b>	<b>779,856</b>	<b>679,860</b>	<b>731,518</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

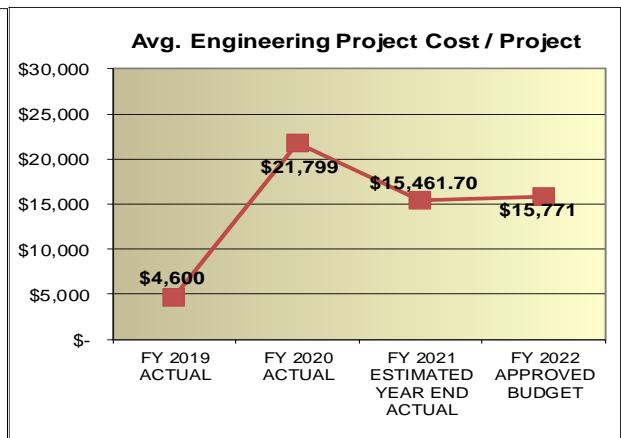
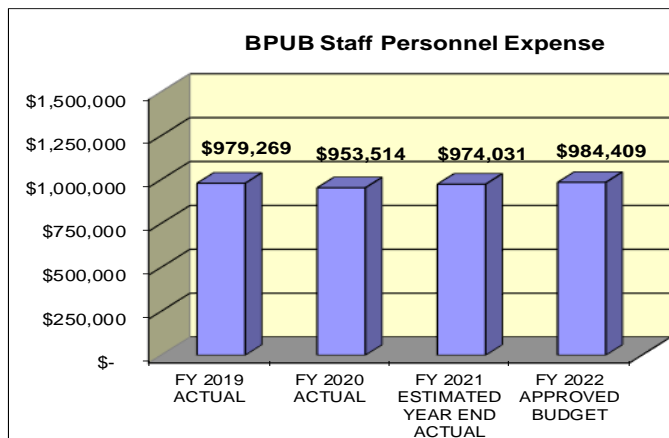
**OUTCOME MEASURES**

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 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
O&M Personnel Expenses	\$ 979,269	\$ 953,514	\$ 974,031	\$ 984,409
O&M Non-Personnel Expenses	\$ 1,131,967	\$ 1,082,570	\$ 1,235,729	\$ 1,598,870
Number of Customers (based on Work Orders)	300	280	253	260
Number of Street Lights	100	120	42	45
Number of Trees Trimmed	9,000	10,263	8,425	8,595
Number of Trouble Calls Completed	1,500	2,353	1,813	1,850
AEP - Magic Valley Conversions	2	2	2	2
Residential Lots Designed	450	484	554	565
Commercial Lots Designed	130	135	52	60
Substations Designed	2	2	2	2
New Feeders Designed	2	2	2	2
Services Designed in Multi-Certified Areas	100	150	85	70
Customers per Employee (year)	28.00	22.00	20.00	22.00
Work Order Accuracy	95%	95%	95%	95%
System Losses (MWH Purchased- MWH Sold)	5.70%	5.60%	5.28%	5.38%
Avg. Engineering Project Cost / Project	\$ 4,600	\$ 21,799	\$15,461.70	\$ 15,771



## DEPARTMENT 2410 - ELECTRIC ENGINEERING

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 80,532	\$ 80,815	\$ 84,106	\$ 83,023	\$ 83,768	\$ 88,558
6105 Administrative Staff	505,820	508,480	542,923	410,178	503,516	543,551
6110 Clerical staff	54,522	55,790	58,343	47,969	52,104	48,662
6130 Overtime	118	124	167	261	292	450
6201 T.M.R.S.	116,825	127,017	134,184	95,949	135,490	119,475
6205 F.I.C.A.	39,382	38,524	41,846	33,553	41,895	42,208
6210 Medicare	9,210	9,010	9,787	7,847	9,798	9,871
6214 Dental Insurance	3,187	6,022	6,714	5,615	6,082	6,821
6215 Hospitalization insurance	94,065	98,558	105,048	89,568	104,136	119,918
6220 Life Insurance	732	606	603	619	556	771
6221 Long Term Disability Insurance	573	974	1,311	1,082	1,213	1,362
6225 Workers Compensation	16,463	16,154	17,567	13,529	17,323	17,019
6230 Vacation leave	4,078	5,716	11,580	6,911	8,009	8,240
6235 Sick leave	23,730	30,518	(70,889)	7,603	9,850	9,066
6240 Educational assistance	(77)	-	3,133	-		
6250 Miscellaneous personnel benefits	4,971	962	7,092	4,000		700
6260 Vacancy Savings	-	-	-	(27,059)		(32,262)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>954,130</b>	<b>979,269</b>	<b>953,514</b>	<b>780,649</b>	<b>974,031</b>	<b>984,409</b>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	93	2,357	411	1,000	-	500
7110 Dues & memberships	1,745	1,180	2,403	2,000	1,266	2,000
7120 Office supplies	4,029	5,681	2,863	4,000	3,416	2,000
7125 Photo equipment/supplies	-	-	-	-	-	-
7130 Postage/shipping charges	1,595		2,169	2,000	3,992	3,500
7135 Telephone expenses	-	2,393	234	500	28	-
7140 Training expenses	5,284	29,449	6,200	5,500	8,460	15,320
7145 Travel expenses	12,090	8,750	11,892	5,500	-	16,600
7203 Sand, Caliche, Gravel, Concrete etc	-	-	-	-	-	350
7210 Landscaping/Trade a Tree Program	80	150	275	400	75	300
7225 Safety supplies	395	309	926	800	516	750
7299 Other materials & supplies	770	1,267	16,466	2,800	766	800
7315 Food, meals, ice, water	967	589	542	600	-	500
7325 Rental of equip/storage/land	1,674	2,989	2,949	3,000	3,211	3,500
7335 Wearing apparel & dry goods	1,553	3,889	-	-	294	-
7415 Fuels & lubricants	3,466	2,973	2,984	3,000	3,243	2,500
7505 Maint. of communication equipment	679	210	24	400	1,700	500
7565 Maint. of street lighting & signals	17,180	19,367	64,719	25,000	32,742	17,000
7570 Maint. of underground lines	250,898	225,933	210,217	182,100	203,132	301,850
7599 Maintenance / other	320	-	-	-	-	-
7601 Legal Fees	14,377	13,670	23,079	15,000	20,134	20,000
7605 Engineering fees	56,794	89,421	27,026	40,000	13,466	-
7630 Construction contractor services	88,300	90,510	70,757	68,000	188,852	425,000
7635 Software maintenance service fees	14,525	82,390	43,280	36,000	43,400	48,000
7645 Maintenance services	-	-	1,173	-	-	-
7699 Other services	532,144	516,743	585,416	600,000	704,821	730,000
7805 Computer equipment	544	535	428	500	932	5,000
7806 Software licenses-new	7,985	17,424	3,600	10,000	-	1,300
7820 Office furniture & equipment	593	2,936	-	500	-	-
7835 Tools, shop and garage equipment	-	31	-	100	108	100
7899 Other minor tools & equipment	1,313	10,820	2,538	3,000	1,173	1,500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>1,019,393</b>	<b>1,131,967</b>	<b>1,082,570</b>	<b>1,011,700</b>	<b>1,235,729</b>	<b>1,598,870</b>
	<b>1,973,523</b>	<b>2,111,236</b>	<b>2,036,084</b>	<b>1,792,349</b>	<b>2,209,760</b>	<b>2,583,279</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 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 118,097	\$ 64,166	\$ 134,982	\$ 149,436	\$ 102,507	\$ 106,994
6110 Clerical staff	35,182	35,320	37,045	36,026	36,350	37,827
6130 Overtime	483	434	366	500	753	650
6201 T.M.R.S.	28,427	32,509	40,973	32,882	24,930	25,416
6205 F.I.C.A.	8,645	4,528	10,766	11,499	8,068	8,979
6210 Medicare	2,220	1,449	2,518	2,689	1,887	2,100
6214 Dental Insurance	480	864	1,327	1,584	1,167	1,293
6215 Hospitalization insurance	15,070	15,175	26,634	32,856	27,366	30,956
6220 Life Insurance	153	93	142	206	118	162
6221 Long Term Disability Insurance	120	129	316	371	264	290
6225 Workers Compensation	3,978	2,690	4,643	4,637	3,512	3,621
6230 Vacation leave	6,230	(15,224)	7,786	2,368	3,194	1,761
6235 Sick leave	14,029	(24,089)	40,104	2,606	3,305	1,938
6242 Auto Benefits	7,500	8,077	5,192	7,500	-	7,500
6243 Telephone Benefits	1,680	1,809	1,163	1,680	-	1,680
6260 Vacancy Savings	-	-	-	(9,273)	-	(6,896)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>242,295</i>	<i>127,930</i>	<i>313,958</i>	<i>277,565</i>	<i>213,420</i>	<i>224,270</i>



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

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	278	-	-	-
7110 Dues & memberships	6,375	6,651	6,506	6,500	7,300	7,200
7120 Office supplies	1,771	1,595	431	1,000	844	1,000
7130 Postage/shipping charges	210	43	51	100	42	100
7140 Training expenses	3,510	1,120	740	3,500	1,300	1,500
7145 Travel expenses	5,352	7,563	1,574	4,000	879	4,000
7225 Safety supplies	-	-	-	-	43	-
7315 Food, meals, ice, water	1,220	662	160	1,000	-	500
7325 Rental of equip/storage/land	408	-	-	-	-	1,200
7415 Fuels & lubricants	-	-	242	-	803	500
7601 Legal Fees	4,698	783	12,290	5,000	1,653	2,000
7699 Other services	-	1,045	233	800	818	750
7801 Communication equipment	-	-	-	200	-	-
7805 Computer equipment	170	301	170	500	140	500
7820 Office furniture & equipment	657	2,758	311	500	27	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	24,369	22,521	22,985	23,100	13,848	19,250
	266,664	150,451	336,943	300,665	227,268	243,520



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

### PERFORMANCE MEASURES FOR THE WATER PLANT I DEPARTMENT

#### Department Function:

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

#### Department Goals/Objectives:

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

#### INPUT MEASURES

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

#### OUTPUT MEASURES

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

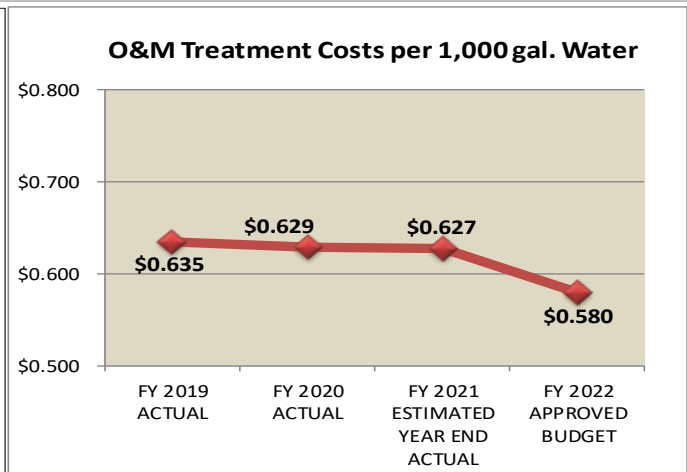
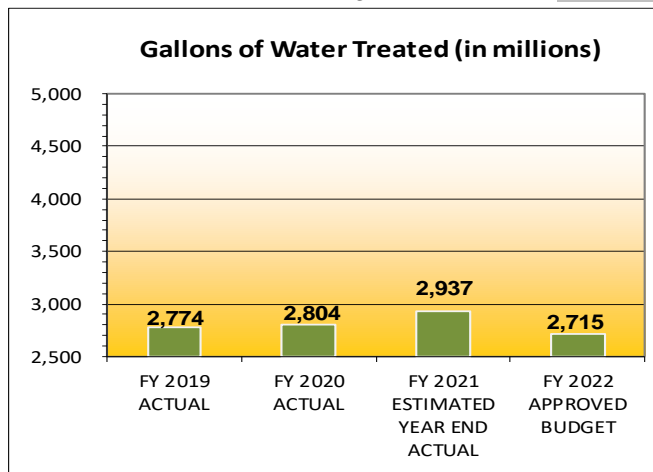
#### OUTCOME MEASURES

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

#### EFFICIENCY MEASURES

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

FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
10	8	8	8
\$ 1,762,555	\$ 1,764,719	\$ 1,798,390	\$ 2,214,699
2,939	2,946	3,245	2,965
2,774	2,804	2,937	2,715
53,278	54,306	55,354	56,422
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
100%	100%	100%	100%
\$ 0.635	\$ 0.629	\$ 0.627	\$ 0.580



## DEPARTMENT 3120 - WATER PLANT I

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 104,192	\$ 135,261	\$ 124,179	\$ 139,131	\$ 120,033	\$ 128,916
6110 Clerical staff	7,698	12,534	7,419	-	7,991	20,098
6115 Operational staff	258,356	263,850	255,619	240,406	256,597	374,458
6130 Overtime	9,381	9,945	28,270	8,978	30,108	39,180
6201 T.M.R.S.	68,560	74,679	74,801	67,292	73,730	91,783
6205 F.I.C.A.	22,647	25,041	25,412	23,531	24,733	32,425
6206 Suta	-	-	-	-	381	-
6210 Medicare	5,296	5,856	5,943	5,503	5,784	7,583
6214 Dental Insurance	2,464	4,932	5,394	5,609	5,047	5,095
6215 Hospitalization insurance	71,871	79,450	83,387	86,841	92,945	99,882
6220 Life Insurance	430	403	363	456	363	601
6221 Long Term Disability Insurance	282	601	734	759	726	1,046
6225 Workers Compensation	9,578	10,560	10,706	9,488	10,416	13,074
6230 Vacation leave	10,092	(34)	11,264	4,847	(7,920)	4,685
6235 Sick leave	32,276	(4,321)	(28,371)	5,333	767	5,155
6260 Vacancy Savings	-	-	-	(18,977)	-	(18,344)
<i>O&amp;M PERSONNEL TOTAL</i>	603,125	618,757	605,118	579,198	621,699	805,637
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	50	-	-
7110 Dues & memberships	1,141	768	1,560	1,500	1,224	1,500
7120 Office supplies	436	801	296	400	300	400
7130 Postage/shipping charges	16	-	17	100	1,427	1,500
7140 Training expenses	785	2,105	470	1,600	2,425	1,800
7145 Travel expenses	2,857	1,804	437	920	-	920
7180 Utilities - departmental	231,579	250,004	185,206	230,000	173,206	180,000
7225 Safety supplies	331	1,297	2,603	2,000	1,626	2,000
7280 Chemicals - activated carbon	19,161	20,598	35,759	30,000	27,860	30,292
7281 Chemicals - ammonia	49,530	35,765	43,612	67,388	30,932	48,467
7282 Chemicals - caustic soda	66,728	78,540	61,923	65,715	54,527	67,567
7283 Chemicals - chlorine	68,060	66,322	86,931	110,707	81,396	93,129
7284 Chemicals - coagulant	476,236	385,681	426,474	489,169	448,476	488,677
7290 Chemicals - sodium chloride	56,530	65,488	33,600	67,320	86,506	67,860
7293 Chemicals - other	1,023	1,080	1,064	1,500	1,053	1,500
7299 Other materials & supplies	8,341	23,518	34,394	34,500	31,744	35,000
7315 Food, meals, ice, water	149	133	172	400	-	400
7325 Rental of equip/storage/land	2,437	39,432	62,495	4,300	106,329	118,100
7335 Wearing apparel & dry goods	3,273	5,273	1,200	3,000	2,897	3,000
7415 Fuels & lubricants	1,201	1,065	1,457	1,500	839	1,500
7520 Maint. of minor equipment	4,418	3,534	10,963	11,500	9,257	9,500
7580 Maint. of reservoirs	131,356	52,129	44,030	88,060	2,024	52,650
7605 Engineering fees	-	9,989	-	-	-	25,000
7630 Construction contractor services	14,419	3,585	-	20,000	37,095	40,000
7645 Maintenance services	115,429	16,483	63,694	120,000	36,248	90,000
7699 Other services	22,728	27,528	7,404	10,700	2,090	22,700
7810 Laboratory equipment	23,098	18,023	18,131	13,200	11,239	9,000
7820 Office furniture & equipment	857	1,290	373	600	-	600
7830 Pumping equipment	420	216	255	500	383	500
7840 Water treatment equipment	33,460	29,674	34,668	22,000	25,216	15,000
7899 Other minor tools & equipment	9,480	1,673	413	1,000	373	500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	1,345,477	1,143,798	1,159,601	1,399,629	1,176,691	1,409,062
	1,948,602	1,762,555	1,764,719	1,978,827	1,798,390	2,214,699



Department Responsibility: **Joe Saldivar Jr.**

Title: **W/WW Operator Chief**

Telephone Ext: **6486**

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

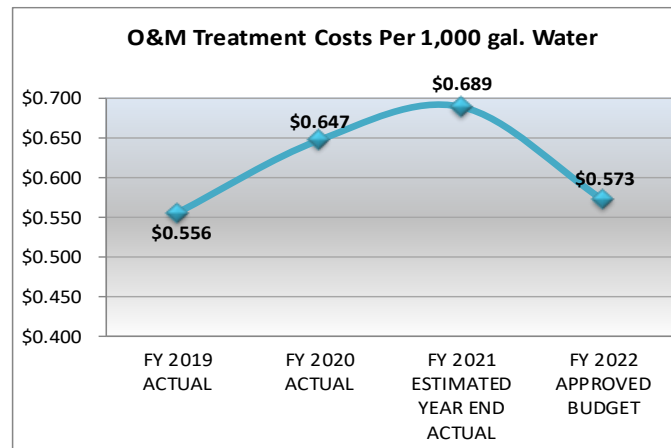
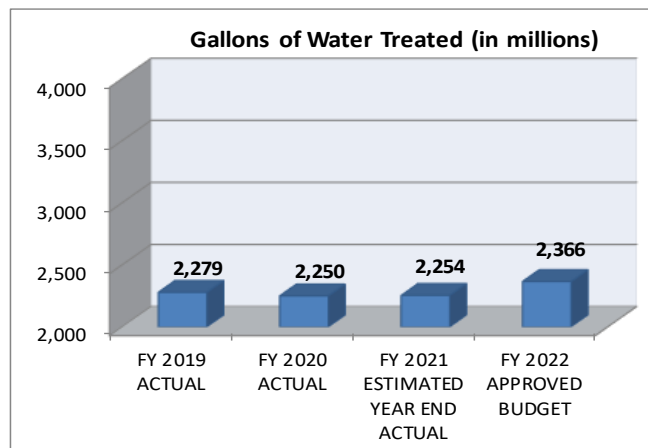
Compliance With State Reporting Requirements

Completion of Oper. Reports Within 10 Days (%)

#### EFFICIENCY MEASURES

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

FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
8	8	8	8
\$ 1,268,199	\$ 1,457,608	\$ 1,549,756	\$1,819,306
2,380	2,353	2,479	2,527
2,279	2,250	2,254	2,366
53,278	54,306	55,354	56,422
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
100%	100%	100%	100%
\$ 0.556	\$ 0.647	\$ 0.689	\$ 0.573



## DEPARTMENT 3130 - WATER PLANT II

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 57,851	\$ 94,381	\$ 97,989	\$ 53,560	\$ 99,684	\$ 56,282
6115 Operational staff	216,626	196,896	172,635	229,174	173,940	273,064
6130 Overtime	12,485	7,946	16,888	12,096	24,018	21,977
6201 T.M.R.S.	51,300	53,011	50,290	50,129	52,887	57,800
6205 F.I.C.A.	16,850	17,477	16,944	17,530	17,718	20,419
6206 Suta	1,376	-	-	-	-	-
6210 Medicare	3,941	4,087	3,963	4,100	4,144	4,776
6214 Dental Insurance	2,034	4,309	4,408	5,250	4,101	4,924
6215 Hospitalization insurance	60,687	68,415	66,753	81,893	68,844	83,247
6220 Life Insurance	319	292	257	351	257	397
6221 Long Term Disability Insurance	239	419	505	565	504	659
6225 Workers Compensation	7,174	7,487	7,197	7,068	7,470	8,234
6230 Vacation leave	618	(5,563)	3,762	3,611	546	3,477
6235 Sick leave	154	(5,942)	(28,024)	3,972	(3,800)	3,826
6260 Vacancy Savings	-	-	-	(14,137)	-	(13,615)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>431,654</i>	<i>443,214</i>	<i>413,565</i>	<i>455,162</i>	<i>450,313</i>	<i>525,466</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	74	-	-	50	-	-
7110 Dues & memberships	1,021	798	457	650	783	650
7120 Office supplies	-	201	544	450	429	450
7130 Postage/shipping charges	281	448	-	400	208	400
7140 Training expenses	1,680	1,765	1,540	1,323	3,569	4,000
7145 Travel expenses	1,740	810	126	500	815	500
7180 Utilities - departmental	242,278	208,471	280,228	217,551	288,648	245,977
7190 Utilities - CP&L & Mvec	1,379	1,713	1,923	2,200	1,885	2,090
7225 Safety supplies	464	2,014	3,069	1,750	1,995	1,800
7280 Chemicals - activated carbon	37,806	19,848	18,210	40,032	30,233	49,408
7281 Chemicals - ammonia	48,153	45,649	35,774	43,110	30,972	35,419
7282 Chemicals - caustic soda	41,563	48,939	48,758	55,788	54,926	71,788
7283 Chemicals - chlorine	59,904	58,590	66,870	84,702	68,022	83,900
7284 Chemicals - coagulant	295,790	202,075	246,471	310,000	224,059	304,857
7290 Chemicals - sodium chloride	52,179	54,336	93,680	93,500	67,694	85,950
7293 Chemicals - other	1,271	1,295	1,085	1,652	1,308	31,144
7299 Other materials & supplies	13,086	23,264	43,738	38,000	72,338	63,000
7315 Food, meals, ice, water	161	100	95	250	-	225
7325 Rental of equip/storage/land	1,825	2,358	56,566	30,700	98,298	109,060
7335 Wearing apparel & dry goods	2,599	2,543	1,089	2,050	2,562	2,050
7415 Fuels & lubricants	858	1,081	826	1,200	826	900
7501 Maint. of buildings & structures	4,186	5,547	19,920	15,000	6,191	14,423
7580 Maint. of reservoirs	56,689	4,396	41,566	33,956	36,785	16,785
7605 Engineering fees	-	16,139	4,310	-	8,276	65,000
7630 Construction contractor services	-	30,910	23,241	-	-	-
7645 Maintenance services	762	2,813	36,187	6,000	71,436	85,114
7699 Other services	6,879	6,341	3,584	4,650	7,041	4,650
7810 Laboratory equipment	-	-	-	2,000	2,087	1,600
7820 Office furniture & equipment	-	2,360	1,549	500	-	500
7830 Pumping equipment	-	-	-	500	388	500
7899 Other minor tools & equipment	30,379	80,181	12,638	17,228	17,668	11,700
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>903,005</i>	<i>824,985</i>	<i>1,044,043</i>	<i>1,005,692</i>	<i>1,099,443</i>	<i>1,293,840</i>
	<b>1,334,659</b>	<b>1,268,199</b>	<b>1,457,608</b>	<b>1,460,854</b>	<b>1,549,756</b>	<b>1,819,306</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

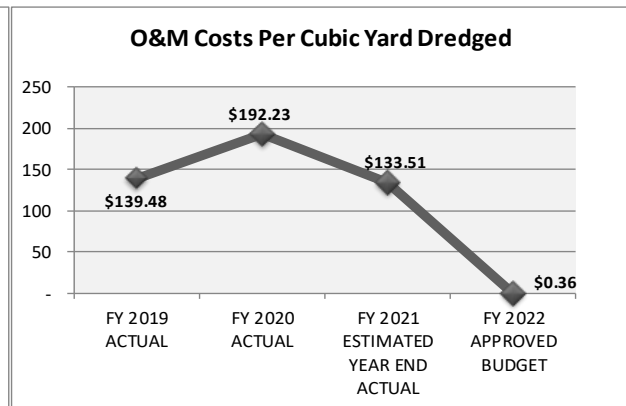
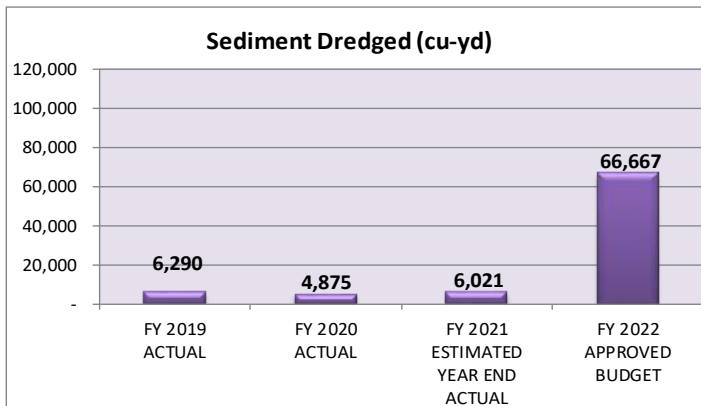
Completion of Oper. Reports Within 10 Days (%)

Raw Water Storage Capacity Gained (acre-ft)

**EFFICIENCY MEASURES**

O&M Costs Per Cubic Yard Dredged

FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
9	9	9	9
\$ 877,325	\$ 937,119	\$ 803,887	\$ 24,150
6,290	4,875	6,021	66,667
Yes	Yes	Yes	Yes
100%	100%	100%	100%
4	3	1	41
\$ 139.48	\$ 192.23	\$ 133.51	\$ 0.36



## DEPARTMENT 3135 – RESACA MAINTENANCE

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 140,005	\$ 140,543	\$ 109,798	\$ 138,674	\$ 138,114	\$ 150,521
6105 Administrative Staff	1,630	-	-	-	-	-
6110 Clerical staff	23,862	23,556	23,485	29,598	24,256	29,593
6115 Operational staff	198,915	194,062	210,340	205,816	195,704	216,107
6130 Overtime	9,629	10,348	14,403	21,971	6,689	22,699
6201 T.M.R.S.	68,805	65,289	63,723	66,326	64,782	69,537
6205 F.I.C.A.	22,252	21,260	21,040	23,193	20,804	24,566
6206 Suta	-	1,841	-	-	-	-
6210 Medicare	5,204	4,972	4,921	5,424	4,865	5,745
6214 Dental Insurance	2,454	4,153	4,535	5,408	4,959	5,734
6215 Hospitalization insurance	80,984	78,437	84,111	102,178	101,733	119,231
6220 Life Insurance	437	354	320	450	345	473
6221 Long Term Disability Insurance	308	523	647	748	702	792
6225 Workers Compensation	9,634	9,213	9,177	9,352	9,417	9,906
6230 Vacation leave	(948)	5,499	4,695	4,777	2,861	4,819
6235 Sick leave	(13,563)	(8,008)	(13,352)	5,256	(384)	5,302
6260 Vacancy Savings	-	-	-	(18,704)	-	(18,868)
6266 RESTORE Offset-Personnel	-	-	-	(502,920)	-	(622,006)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>549,608</i>	<i>552,042</i>	<i>537,842</i>	<i>97,547</i>	<i>574,848</i>	<i>24,150</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	31	-	100	94	50
7110 Dues & memberships	907	545	743	884	225	662
7120 Office supplies	499	940	251	500	254	500
7130 Postage/shipping charges	407	26	50	100	441	250
7140 Training expenses	1,400	1,240	960	1,000	410	700
7145 Travel expenses	3,951	(97)	3,645	500	-	500
7180 Utilities - departmental	10,516	11,332	12,387	14,000	12,891	14,000
7203 Sand, Caliche, Gravel, Concrete etc	14,871	5,630	-	9,000	8,030	9,000
7225 Safety supplies	2,709	9,509	5,759	5,000	3,625	5,000
7293 Chemicals - other	-	45,908	44,712	100,000	46,460	141,588
7299 Other materials & supplies	52,933	55,201	59,325	150,000	36,395	80,000
7315 Food, meals, ice, water	335	301	198	300	104	300
7325 Rental of equip/storage/land	10,003	9,945	4,895	20,000	6,197	20,000
7330 Right of way fees	-	-	-	250,000	-	100,000
7335 Wearing apparel & dry goods	8,075	4,354	1,125	3,590	1,566	2,154
7415 Fuels & lubricants	24,040	9,546	9,284	149,746	10,607	150,000
7505 Maint. of communication equipment	-	-	36	-	-	-
7581 Maint. of resacas	660	1,254	1,090	1,500	1,744	1,500
7601 Legal Fees	63,408	27,563	32,886	30,000	4,548	30,000
7605 Engineering fees	43,350	52,200	8,000	735,752	-	150,000
7645 Maintenance services	38,108	65,886	201,062	20,000	66,688	20,000
7696 RESTORE Offset-Nonpersonnel	-	-	-	(1,447,449)	-	(1,338,129)
7699 Other services	28,980	15,558	10,230	14,000	13,165	600,000
7801 Communication equipment	-	3,380	457	7,000	6,692	7,000
7805 Computer equipment	-	-	327	2,000	387	2,000
7820 Office furniture & equipment	858	-	-	-	-	-
7830 Pumping equipment	32,667	4,650	1,237	2,000	6,642	2,000
7835 Tools, shop and garage equipment	724	380	617	925	1,877	925
7899 Other minor tools & equipment	-	-	-	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>339,403</i>	<i>325,283</i>	<i>399,277</i>	<i>70,448</i>	<i>229,039</i>	<i>-</i>
	<b>889,011</b>	<b>877,325</b>	<b>937,119</b>	<b>167,995</b>	<b>803,887</b>	<b>24,150</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)

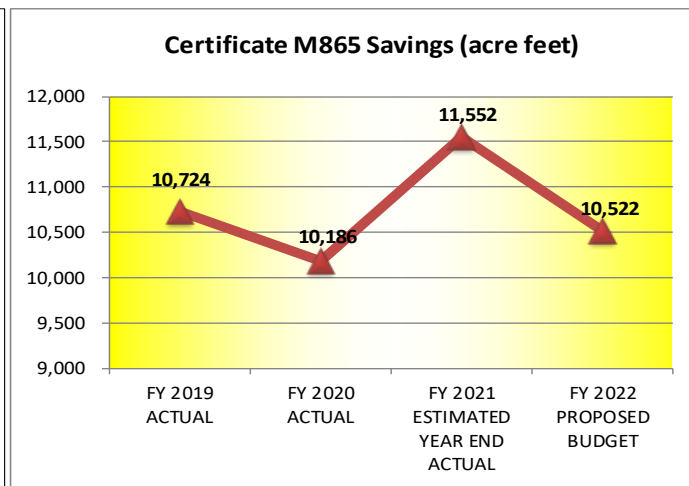
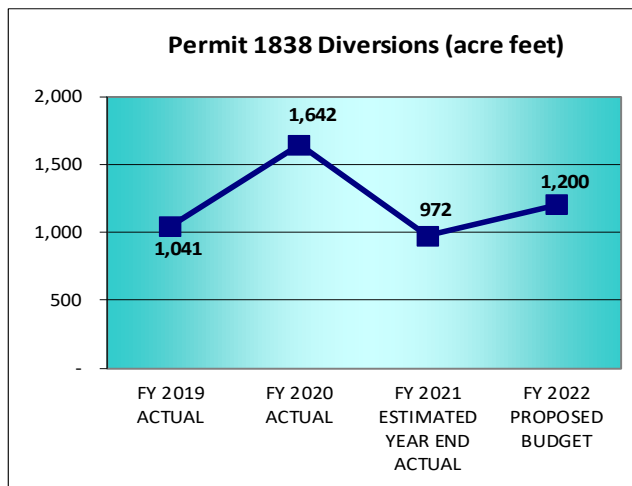
#### OUTCOME MEASURES

Permit 1838 Diversions (acre feet)

#### EFFICIENCY MEASURES

Certificate M865 Savings (acre feet)

FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 PROPOSED BUDGET
4	4	4	4
\$ 513,911	\$ 710,236	\$ 580,825	\$ 544,403
31,510	31,522	31,522	31,522
21,433	24,744	20,163	21,500
5,100	5,820	4,229	5,500
20,786	21,336	19,970	21,000
1,041	1,642	972	1,200
10,724	10,186	11,552	10,522





## DEPARTMENT 3140 – RAW WATER SUPPLY

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6115 Operational staff	\$ 119,374	\$ 120,436	\$ 146,843	\$ 141,461	\$ 99,942	\$ 143,008
6130 Overtime	7,321	4,267	9,993	5,917	3,947	5,917
6201 T.M.R.S.	23,326	22,618	27,396	25,081	18,422	25,098
6205 F.I.C.A.	7,603	7,565	9,138	8,771	6,022	8,867
6210 Medicare	1,778	1,769	2,137	2,051	1,408	2,074
6214 Dental Insurance	959	1,745	2,258	2,462	1,560	2,136
6215 Hospitalization insurance	30,334	29,876	41,036	47,160	33,394	45,041
6220 Life Insurance	142	127	140	176	97	176
6221 Long Term Disability Insurance	104	174	274	283	185	286
6225 Workers Compensation	3,267	3,192	3,921	3,537	2,624	3,575
6230 Vacation leave	(84)	3,362	1,205	1,806	(2,897)	1,766
6235 Sick leave	(3,011)	7,566	(8,805)	1,988	(5,000)	1,943
6260 Vacancy Savings	-	-	-	(7,073)	-	(6,915)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>191,112</u>	<u>202,698</u>	<u>235,538</u>	<u>233,619</u>	<u>159,705</u>	<u>232,972</u>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	76	59	50	-	50
7110 Dues & memberships	411	668	397	550	336	550
7120 Office supplies	473	570	464	800	312	500
7130 Postage/shipping charges	-	37	14	50	-	25
7140 Training expenses	1,755	1,585	1,121	1,134	75	600
7145 Travel expenses	440	150	20	256	-	256
7180 Utilities - departmental	148,069	129,765	116,148	135,000	118,541	125,000
7190 Utilities - CP&L & Mvec	744	392	495	950	640	950
7203 Sand, Caliche, Gravel, Concrete etc	3,553	11,414	10,515	11,000	10,656	11,000
7225 Safety supplies	912	1,226	1,345	1,400	1,192	1,000
7251 Purchased of Raw Water	31,703	26,750	27,778	40,000	16,733	30,000
7285 Chemicals - copper sulphate	3,935	3,415	3,532	4,000	-	3,500
7293 Chemicals - other	191	52	-	200	-	100
7299 Other materials & supplies	3,603	7,435	4,208	10,000	2,515	4,500
7315 Food, meals, ice, water	239	209	54	200	17	-
7325 Rental of equip/storage/land	189,736	-	3,819	5,000	-	2,000
7335 Wearing apparel & dry goods	2,561	1,819	465	1,400	469	1,400
7415 Fuels & lubricants	57,986	4,965	4,318	6,000	5,271	6,000
7501 Maint. of buildings & structures	-	225	-	-	-	-
7580 Maint. of reservoirs	109,900	2,752	94,879	146,000	194,861	85,000
7581 Maint. of resacas	6,117	19,346	130,491	25,000	42	10,000
7605 Engineering fees	36,362	33,849	5,114	30,000	3,620	10,000
7645 Maintenance services	450	37,133	5,293	6,000	8,698	6,000
7699 Other services	41,560	22,147	62,891	50,000	55,783	10,000
7805 Computer equipment	-	-	-	700	-	500
7820 Office furniture & equipment	383	320	-	117	-	-
7830 Pumping equipment	250	4,060	216	3,500	-	1,500
7835 Tools, shop and garage equipment	425	626	772	700	968	700
7899 Other minor tools & equipment	272	229	292	300	390	300
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>642,029</u>	<u>311,213</u>	<u>474,698</u>	<u>480,307</u>	<u>421,120</u>	<u>311,431</u>
	<b>833,141</b>	<b>513,911</b>	<b>710,236</b>	<b>713,926</b>	<b>580,825</b>	<b>544,403</b>



Department Responsibility: **Hector Herrera Jr**  
 Title: **W/WW Plant Maint&Lift Stations Manager**  
 Telephone Ext: **6520**  
 Dept. No. **3145**

**PERFORMANCE MEASURES  
FOR THE  
WATER & WASTEWATER PLANT MAINTENANCE DEPARTMENT**

**Department Function:**

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

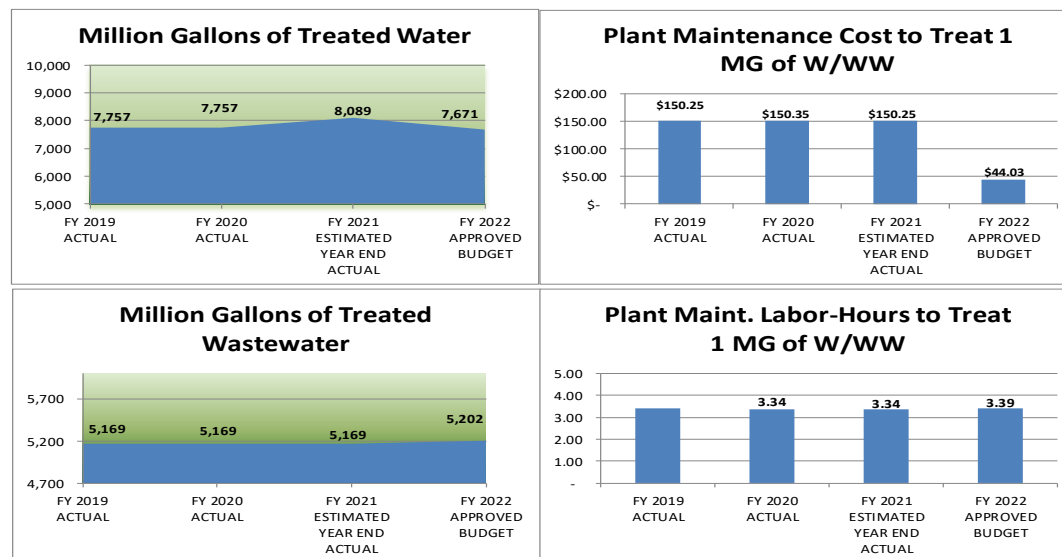
**Department Goals/Objectives:**

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

	FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
<b>INPUT MEASURES</b>				
O&M Expenditures	\$ 1,646,760	\$ 1,139,364	\$ 1,050,080	\$ 1,127,301
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	7,757	7,757	8,089	7,671
Thousands of Customers Served (water)	51	51	51	53
Million Gallons of Treated Wastewater	5,169	5,169	5,169	5,202
Thousands of Customers Served (wastewater)	51	51	51	53
<b>OUTCOME MEASURES</b>				
Maintenance-related TCEQ NOV (water)	-	-	-	-
Maintenance-related TCEQ NOV (wastewater)	-	-	-	-
Water Plant PM Status**	38	39	36	40
Wastewater Plant PM Status**	38	39	36	40
<b>EFFICIENCY MEASURES</b>				
Plant Maintenance Cost Per Customer/ Year	\$ 380.81	\$ 378.00	\$ 389.00	\$ 106.94
Plant Maint. Labor-Hours Per Customer/Yr	0.86	0.84	0.85	0.82
Plant Maintenance Cost to Treat 1 MG of W/WW	\$ 150.25	\$150.35	\$150.25	\$ 44.03
Plant Maint. Labor-Hours to Treat 1 MG of W/WW	3.38	3.34	3.34	3.39

**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 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 61,939	\$ 43,171	\$ 48,255	\$ 57,886	\$ 58,109	\$ 60,781
6105 Administrative Staff	51,688	31,808	-	-	-	-
6115 Operational staff	434,241	387,783	336,611	408,893	372,137	428,964
6130 Overtime	62,185	40,850	34,975	72,612	46,716	53,327
6201 T.M.R.S.	109,102	99,885	74,504	76,998	85,426	85,950
6205 F.I.C.A.	35,592	32,843	24,354	26,926	27,519	30,364
6206 Suta	-	-	1,872	-	1,883	-
6210 Medicare	8,324	7,681	5,696	6,297	6,436	7,101
6214 Dental Insurance	3,418	5,931	6,089	9,408	6,917	8,440
6215 Hospitalization insurance	114,359	107,878	103,613	160,896	123,920	152,865
6220 Life Insurance	626	458	357	536	396	591
6221 Long Term Disability Insurance	451	644	714	869	796	980
6225 Workers Compensation	15,260	14,135	10,690	10,857	12,105	12,244
6230 Vacation leave	134	646	12,475	5,961	5,369	5,975
6235 Sick leave	(1,065)	(20,467)	11,815	6,558	(2,896)	6,574
6260 Vacancy Savings	-	-	-	(23,339)	-	(23,396)
<i>O&amp;M PERSONNEL TOTAL</i>	896,254	753,246	672,022	821,358	744,833	830,761
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	-	-	-
7110 Dues & memberships	1,385	454	836	650	292	650
7120 Office supplies	3,044	1,058	174	3,000	865	1,000
7130 Postage/shipping charges	39	54	7	150	33	-
7140 Training expenses	1,497	1,360	4,411	1,344	4,764	3,000
7145 Travel expenses	2,804	304	378	640	-	640
7225 Safety supplies	5,133	6,327	6,141	10,000	16,655	8,000
7299 Other materials & supplies	111,858	114,878	20,365	40,000	34,264	32,000
7315 Food, meals, ice, water	318	535	273	800	778	500
7325 Rental of equip/storage/land	5,940	8,102	13,860	10,000	7,920	10,000
7335 Wearing apparel & dry goods	6,160	4,917	2,471	4,000	2,819	3,000
7415 Fuels & lubricants	21,444	23,733	15,737	15,000	25,378	19,000
7505 Maint. of communication equipment	-	-	-	-	-	750
7645 Maintenance services	677,961	719,178	400,297	400,000	195,518	200,000
7801 Communication equipment	-	-	-	-	-	5,000
7820 Office furniture & equipment	-	500	-	400	367	-
7835 Tools, shop and garage equipment	6,499	6,270	1,529	5,000	5,948	5,000
7899 Other minor tools & equipment	17,127	5,843	862	10,000	9,647	8,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	861,210	893,514	467,342	500,984	305,247	296,540
	1,757,464	1,646,760	1,139,364	1,322,342	1,050,080	1,127,301



**Department Responsibility:** Francisco Valdez Jr.

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

**Telephone Ext:** 6549

**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.

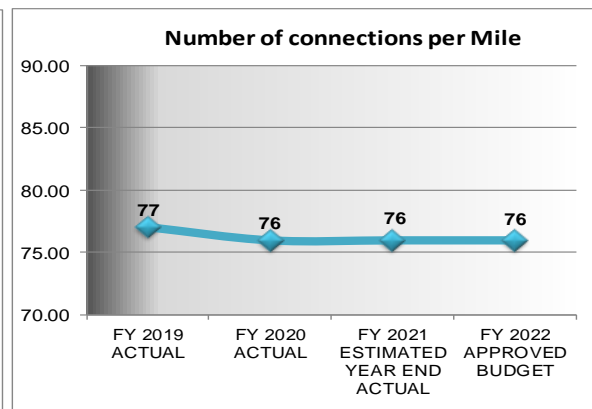
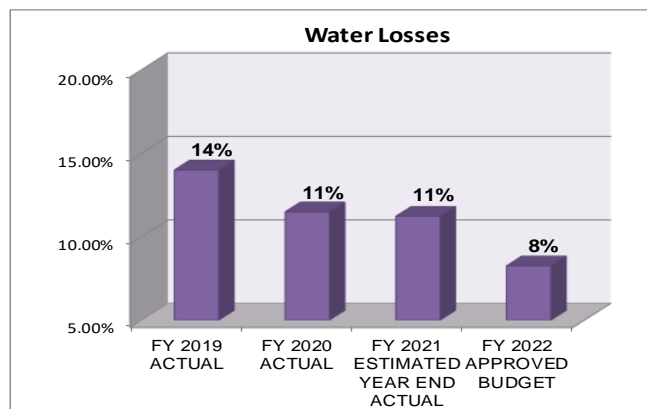
**OUTCOME MEASURES**

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

**EFFICIENCY MEASURES**

Turnaround Time Per New Connection (days)  
Average Cost per Customer per W/WW Connection

FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
68	35	35	37
\$ 5,436,217	\$ 4,631,566	\$ 3,638,887	\$ 3,821,155
1,345	1,378	1,411	1,933
17,448	22,023	23,641	22,028
8,967	13,576	14,589	15,028
\$ 240,000	\$ 135,602	\$ 140,426	\$ 165,609
2,622	1,574	1,797	549
441	348	387	106
103,565	104,070	104,752	106,469
YES	YES	YES	YES
90min.	90min.	90min.	90min.
14%	11.49%	11.23%	8.26%
77	76	76	76
10	10	10	15
\$ 3,272	\$ 3,272	\$ 3,272	\$ 3,272



## DEPARTMENT 3150 – WATER/WASTEWATER OPERATIONS & CONSTRUCTION

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 187,039	\$ 191,450	\$ 170,363	\$ 154,630	\$ 141,565	\$ 179,796
6110 Clerical staff	80,490	103,567	84,154	66,622	67,144	69,954
6115 Operational staff	1,532,315	1,562,667	1,272,239	1,269,582	996,689	1,301,475
6130 Overtime	276,479	263,647	230,931	135,602	200,640	165,609
6201 T.M.R.S.	370,355	432,688	357,547	263,497	278,847	271,378
6205 F.I.C.A.	123,038	127,747	106,531	92,142	85,038	95,871
6206 Suta	-	1,987	4,950	-	325	-
6210 Medicare	28,775	29,876	24,914	21,549	19,888	22,422
6214 Dental Insurance	14,186	26,227	23,733	24,744	18,345	26,419
6215 Hospitalization insurance	419,358	475,180	406,352	431,371	343,135	499,729
6220 Life Insurance	2,162	1,992	1,493	1,851	1,152	1,923
6221 Long Term Disability Insurance	1,522	2,746	2,854	2,972	2,215	3,093
6225 Workers Compensation	52,664	55,567	46,024	37,154	36,013	38,658
6230 Vacation leave	3,959	6,916	(22,124)	19,038	18,149	18,962
6235 Sick leave	2,580	4,533	(100,184)	20,946	19,470	20,863
6250 Miscellaneous personnel benefits	-	878	-	-	-	-
6260 Vacancy Savings	-	-	-	(74,542)	-	(74,246)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>3,094,921</i>	<i>3,287,670</i>	<i>2,609,778</i>	<i>2,467,160</i>	<i>2,228,614</i>	<i>2,641,905</i>
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	3,426	2,344	1,690	1,300	2,698	1,300
7120 Office supplies	7,431	5,965	3,638	2,500	3,532	2,000
7130 Postage/shipping charges	-	-	28	-	-	-
7140 Training expenses	5,882	3,308	3,962	1,500	5,359	2,000
7145 Travel expenses	1,593	681	133	500	42	500
7180 Utilities - departmental	34,878	36,756	34,862	20,500	32,504	20,500
7201 Barricades & signs	4,294	1,844	5,510	2,000	6,206	2,000
7203 Sand, Caliche, Gravel, Concrete etc	152,144	39,587	26,738	32,000	58,011	61,000
7210 Landscaping/Trade a Tree Program	3,423	3,463	1,413	2,000	708	2,000
7215 Laundry & janitorial supplies	33	-	35	100	-	-
7225 Safety supplies	31,436	35,324	58,182	19,500	38,695	20,000
7293 Chemicals - other	3,312	1,399	2,968	2,000	7,711	6,000
7299 Other materials & supplies	402,290	448,454	436,968	225,000	187,330	200,000
7315 Food, meals, ice, water	1,567	2,605	1,334	1,600	1,711	1,000
7325 Rental of equip/storage/land	3,925	12,159	42,612	10,000	19,888	20,000
7335 Wearing apparel & dry goods	32,031	25,131	15,454	8,000	11,764	4,000
7415 Fuels & lubricants	156,557	144,896	131,755	75,000	149,892	110,000
7501 Maint. of buildings & structures	2,731	8,975	1,495	2,000	448	-
7505 Maint. of communication equipment	97	1,387	82	750	1,563	750
7515 Maint. of major equipment	20	-	1,607	1,500	-	1,000
7520 Maint. of minor equipment	1,465	1,924	1,791	1,000	2,043	1,500
7575 Maint. of water meters	384,533	333,872	397,698	-	94	-
7577 Maint. of distribution mains	77,903	83,423	70,510	45,000	88,205	100,000
7585 Maint. of sewer force mains	4,243	557	1,618	10,000	4,228	8,000
7586 Maint. of sewer gravity lines	61,125	40,809	50,021	50,000	87,769	50,000
7599 Maintenance / other	11,583	867	187	1,000	917	-
7630 Construction contractor services	282,095	346,143	287,016	177,000	272,881	222,000
7635 Software maintenance service fees	-	-	-	1,750	-	-
7645 Maintenance services	-	400	75,904	70,000	-	-
7655 Hauling Services	77,306	141,694	66,895	50,000	68,720	66,000
7699 Other services	273,446	297,131	209,735	100,000	312,956	220,000
7801 Communication equipment	2,718	12,346	14,215	2,000	888	7,000
7805 Computer equipment	-	418	798	2,700	-	700
7820 Office furniture & equipment	-	279	-	-	-	-
7899 Other minor tools & equipment	136,832	114,407	74,936	60,000	43,510	50,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>2,160,318</i>	<i>2,148,547</i>	<i>2,021,788</i>	<i>978,200</i>	<i>1,410,272</i>	<i>1,179,250</i>
	<b>5,255,239</b>	<b>5,436,217</b>	<b>4,631,566</b>	<b>3,445,360</b>	<b>3,638,886</b>	<b>3,821,155</b>



Department Responsibility: **Jose G. Garza, Jr.**

Title: **W/WW Maintenance Oper 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

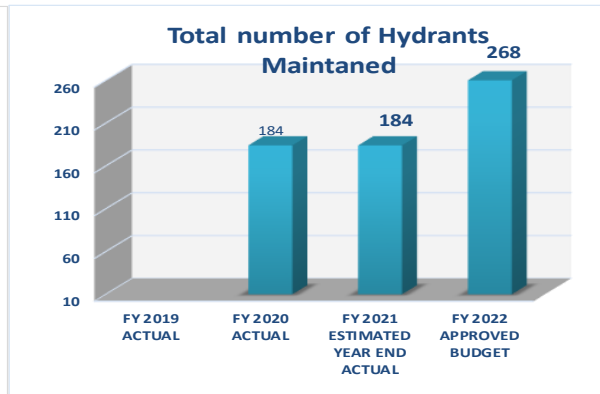
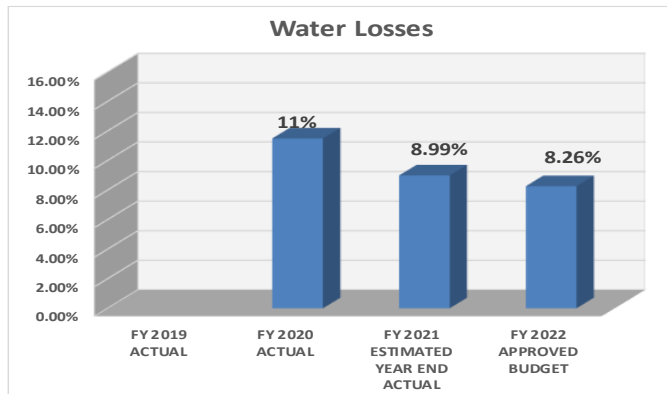
### OUTCOME MEASURES

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 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
Employees	-	32	32	34
Total O&M Expenses	\$ -	\$ 844,723	\$ 2,219,745	\$ 2,344,574
Miles of Water & Wastewater Mains	-	1,378	1,378	1,378
Number of Service Requests	-	7,864	9,354	4,980
Number of Service Orders	-	7,560	9,354	4,980
Overtime Expenses	\$ -	\$ 135,600	\$ 135,600	\$ 115,300
Total number of Water Meters installed	-	4,136	6,184	3,294
Total number of Water Meters Tested	-	4,549	5,698	3,112
Number of W/WW Service Connections	-	749	808	508
Ongoing Maintenance		YES	YES	YES
Average Response Time Per Call		90min	90min	90min
Water Losses		11%	8.99%	8.26%
Total number of Hydrants Maintained		184	184	268
Cost per 3/4" x 5/8" meter	\$ -	\$ 58	\$ 58	\$ 58
Turnaround Time Per New Connection (days)	-	15	15	15
Average Cost per Customer per W/WW Connection	\$ -	\$ 4,858	\$ 4,858	\$ 4,858



## DEPARTMENT 3155 – WATER/WASTEWATER MAINTENANCE & OPERATIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ -	\$ -	\$ 99,538	\$ 123,947	\$ 140,013	\$ 155,850
6110 Clerical staff	-	-	12,477	27,789	28,052	29,178
6115 Operational staff	-	-	275,373	957,133	607,561	804,528
6130 Overtime	-	-	34,387	135,600	91,474	115,601
6140 Severance Pay	-	-	3,299	-	1,903	-
6201 T.M.R.S.	-	-	88,197	196,602	194,157	173,667
6205 F.I.C.A.	-	-	25,512	68,750	52,916	61,353
6210 Medicare	-	-	5,966	16,079	12,375	14,349
6214 Dental Insurance	-	-	5,842	18,320	13,090	15,492
6215 Hospitalization insurance	-	-	103,382	322,472	239,732	287,344
6220 Life Insurance	-	-	382	1,389	828	1,231
6221 Long Term Disability Insurance	-	-	733	2,218	1,576	1,979
6225 Workers Compensation	-	-	11,608	27,722	23,666	24,739
6230 Vacation leave	-	-	77,081	14,160	5,456	11,986
6235 Sick leave	-	-	100,949	15,580	(34,349)	13,187
6260 Vacancy Savings	-	-	-	(55,443)	-	(46,930)
<i>O&amp;M PERSONNEL TOTAL</i>	-	-	844,723	1,872,317	1,378,450	1,663,555
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	-	-	-	1,000	1,113	1,200
7120 Office supplies	-	-	-	2,000	1,281	1,000
7130 Postage/shipping charges	-	-	-	-	-	-
7140 Training expenses	-	-	-	1,500	1,514	1,500
7145 Travel expenses	-	-	-	500	59	500
7180 Utilities - departmental	-	-	-	20,000	-	-
7201 Barricades & signs	-	-	-	2,000	780	-
7203 Sand, Caliche, Gravel, Concrete etc	-	-	-	30,000	28	1,000
7210 Landscaping/Trade a Tree Program	-	-	-	2,000	-	-
7215 Laundry & janitorial supplies	-	-	-	100	-	-
7225 Safety supplies	-	-	-	20,000	30,590	20,000
7293 Chemicals - other	-	-	-	2,000	1,789	2,000
7299 Other materials & supplies	-	-	-	150,000	89,423	87,000
7315 Food, meals, ice, water	-	-	-	1,600	1,010	1,000
7325 Rental of equip/storage/land	-	-	-	10,000	-	-
7335 Wearing apparel & dry goods	-	-	-	5,000	1,675	500
7415 Fuels & lubricants	-	-	-	50,000	68,126	40,000
7501 Maint. of buildings & structures	-	-	-	2,000	-	-
7505 Maint. of communication equipment	-	-	-	750	442	-
7515 Maint. of major equipment	-	-	-	2,500	1,758	500
7520 Maint. of minor equipment	-	-	-	1,000	1,227	500
7575 Maint. of water meters	-	-	-	250,000	341,047	272,319
7577 Maint. of distribution mains	-	-	-	40,000	142,563	100,000
7585 Maint. of sewer force mains	-	-	-	-	-	-
7586 Maint. of sewer gravity lines	-	-	-	-	29	-
7599 Maintenance / other	-	-	-	1,000	-	-
7630 Construction contractor services	-	-	-	125,000	49,761	25,000
7635 Software maintenance service fees	-	-	-	1,750	-	-
7645 Maintenance services	-	-	-	50,000	-	50,000
7655 Hauling Services	-	-	-	50,000	57,851	50,000
7699 Other services	-	-	-	100,000	10,171	10,000
7801 Communication equipment	-	-	-	15,000	13,124	7,000
7805 Computer equipment	-	-	-	2,700	60	-
7899 Other minor tools & equipment	-	-	-	50,000	25,875	10,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	-	-	-	989,400	841,295	681,019
	-	-	844,723	2,861,717	2,219,745	2,344,574



Department Responsibility: **Hector Herrera Jr**  
 Title: **Potable Water Transport Services**  
 Telephone Ext: **6520**  
 Dept. No: **3160**

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

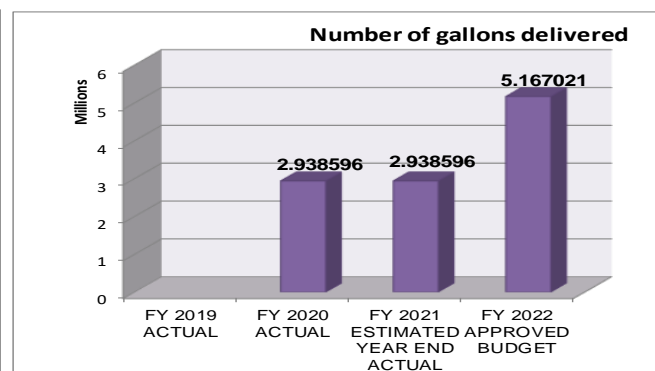
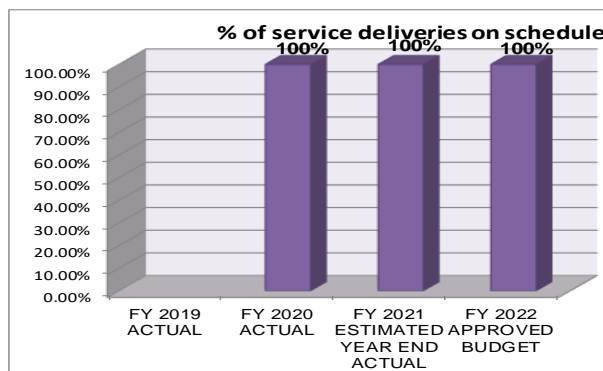
**Department Function:**

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.

	FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
<b>INPUT MEASURES</b>				
Employees		2	2	2
Total O&M Expenses		\$ 21,345	\$ 144,613	\$ 148,946
Fuel Cost		\$1.50	\$1.50	\$1.50
Overtime Expenses		\$ 10,000	\$ 10,000	\$ 10,000
<b>OUTPUT MEASURES</b>				
Number of gallons delivered		2,938,596	2,938,596	5,167,021
Number of service request		156	156	271
<b>OUTCOME MEASURES</b>				
Compliance with state & Federal Reuulations		YES	YES	YES
Operate within approved Budget		100%	100%	100%
% of service deliveries on schedule		YES	YES	YES
		100%	100%	100%
<b>EFFICIENCY MEASURES</b>				
O & M Cost per 1,000 gallons		\$1.40	\$1.40	\$1.40
Cost to customer per 1000 gallons		\$0.06	\$0.06	\$0.06





## DEPARTMENT 3160 – POTABLE WATER TRANSPORT SERVICES

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6115 Operational staff	-	-	9,106	66,206	\$ 78,021	\$ 80,371
6130 Overtime	-	-	1,557	10,017	13,338	11,040
6201 T.M.R.S.	-	-	1,858	11,738	16,214	14,105
6205 F.I.C.A.	-	-	648	4,105	5,557	4,983
6210 Medicare	-	-	152	960	1,300	1,165
6214 Dental Insurance	-	-	109	968	873	968
6215 Hospitalization insurance	-	-	2,142	19,019	18,496	20,921
6220 Life Insurance	-	-	7	83	74	98
6221 Long Term Disability Insurance	-	-	14	132	145	161
6225 Workers Compensation	-	-	267	1,655	2,336	2,009
6230 Vacation leave	-	-	3,890	845	(713)	977
6235 Sick leave	-	-	1,596	930	(1,278)	1,075
6260 Vacancy Savings	-	-	-	(3,310)	-	(3,827)
<i>O&amp;M PERSONNEL TOTAL</i>	-	-	21,345	113,350	134,363	134,046
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	-	-	-	1,200	-	-
7140 Training expenses	-	-	-	600	-	600
7145 Travel expenses	-	-	-	600	-	300
7225 Safety supplies	-	-	-	1,000	1,092	1,000
7293 Chemicals - other	-	-	-	2,000	418	-
7299 Other materials & supplies	-	-	-	5,000	1,347	1,500
7325 Rental of equip/storage/land	-	-	-	2,000	-	-
7335 Wearing apparel & dry goods	-	-	-	500	-	500
7415 Fuels & lubricants	-	-	-	5,000	-	5,000
7515 Maint. of major equipment	-	-	-	3,000	-	-
7520 Maint. of minor equipment	-	-	-	500	570	500
7699 Other services	-	-	-	-	570	-
7801 Communication equipment	-	-	-	-	-	2,500
7899 Other minor tools & equipment	-	-	-	2,000	6,254	3,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	-	-	-	23,400	10,250	14,900
	-	-	21,345	136,750	144,613	148,946



Department Responsibility: **Vacant**

Title: **Wastewater Treatment Manager**

Telephone Ext: **6500**

Dept. No: **3210**

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

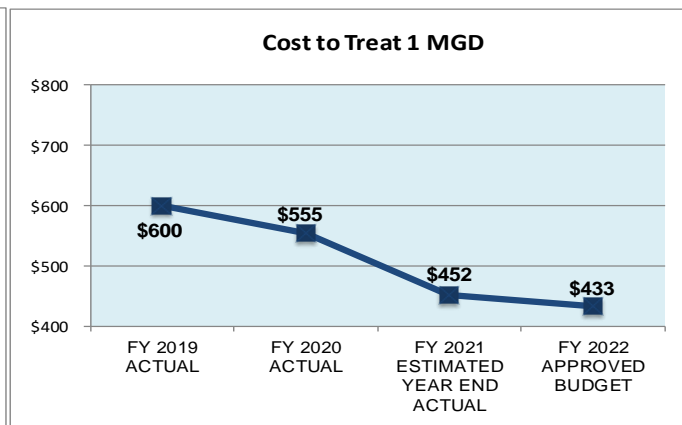
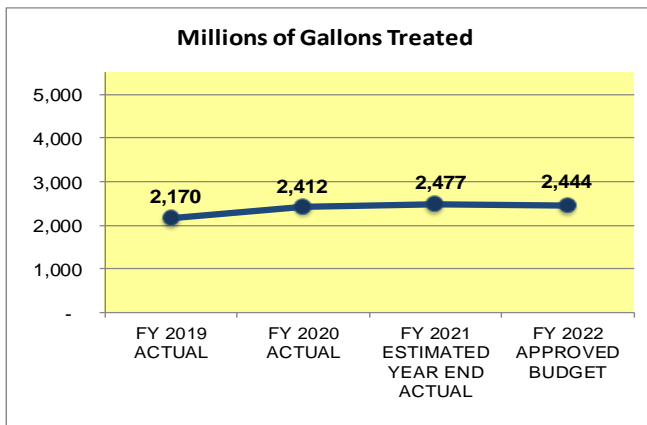
#### Department Function:

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.

	FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
<b>INPUT MEASURES</b>				
Employees	8	9	8	8
Total O&M Expenses	\$ 1,302,325	\$ 1,337,872	\$ 1,296,696	\$ 1,523,347
Dry Tons Sludge to Site	1,056	1,178	1,146	1,162
Gallons Treated	2,169,631,000	2,411,724,000	2,476,989,000	2,444,357,000
<b>OUTPUT MEASURES</b>				
Reports Produced	18	18	18	18
Annual Statistical Reports	1	1	1	1
Operational Budget Reports Produced	12	12	12	12
<b>OUTCOME MEASURES</b>				
Operate Within Permit Compliance	Yes	Yes	Yes	Yes
Operate Within Approved Budget	Yes	Yes	Yes	Yes
% of CIP Projects Completed on Schedule	100%	100%	100%	100%
Cost to Treat 1 MGD	\$ 600	\$ 555	\$ 452	\$ 433
<b>EFFICIENCY MEASURES</b>				
Average CBOD % Removal mg/l	99%	99%	98%	99%
Average TSS % Removal mg/l	96%	97%	96%	97%



## DEPARTMENT 3210 - SOUTH WASTEWATER TREATMENT PLANT

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 55,319	\$ 55,812	\$ 57,787	\$ 57,408	\$ 57,629	\$ 60,441
6115 Operational staff	311,908	254,937	247,731	246,979	228,806	321,801
6130 Overtime	36,842	23,215	28,535	23,579	32,627	33,652
6201 T.M.R.S.	72,270	59,487	58,376	53,968	56,703	67,083
6205 F.I.C.A.	24,015	19,917	19,936	18,872	19,055	23,699
6210 Medicare	5,616	4,658	4,662	4,414	4,456	5,543
6214 Dental Insurance	2,716	3,870	4,223	4,876	3,985	4,876
6215 Hospitalization insurance	83,428	69,715	70,126	82,289	72,292	90,518
6220 Life Insurance	427	306	283	372	263	449
6221 Long Term Disability Insurance	291	443	559	609	522	764
6225 Workers Compensation	10,139	8,397	8,351	7,610	8,048	9,556
6230 Vacation leave	1,474	3,222	4,359	3,887	781	3,930
6235 Sick leave	8,614	(4,348)	(24,305)	4,277	(299)	4,324
6260 Vacancy Savings	-	-	-	(15,219)	-	(15,388)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>613,058</b>	<b>499,633</b>	<b>480,623</b>	<b>493,920</b>	<b>484,867</b>	<b>611,248</b>
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	444	111	222	400	815	400
7120 Office supplies	726	376	717	500	118	500
7130 Postage/shipping charges	3,447	4,141	7,363	6,500	4,272	6,500
7140 Training expenses	2,077	995	1,006	1,281	2,675	2,975
7145 Travel expenses	1,437	183	669	640	518	640
7180 Utilities - departmental	433,592	440,922	483,434	428,000	482,853	428,000
7201 Barricades & signs	33	-	-	100	-	100
7203 Sand, Caliche, Gravel, Concrete etc	282	2,098	-	-	-	-
7215 Laundry & janitorial supplies	225	198	531	600	345	600
7225 Safety supplies	2,000	2,123	2,504	1,000	4,524	1,500
7283 Chemicals - chlorine	55,856	79,704	69,099	82,473	62,988	93,129
7288 Chemicals - ferric chloride	6,638	-	-	-	-	-
7293 Chemicals - other	27,108	29,268	36,612	38,000	53,028	42,000
7299 Other materials & supplies	20,966	8,919	4,193	18,000	8,277	10,000
7315 Food, meals, ice, water	485	390	320	750	82	400
7325 Rental of equip/storage/land	11,459	22,416	2,221	2,200	2,673	2,900
7335 Wearing apparel & dry goods	4,144	3,053	316	2,925	1,612	1,505
7415 Fuels & lubricants	22,424	10,087	494	1,300	338	1,000
7501 Maint. of buildings & structures	-	21,639	113,538	56,572	23,233	175,000
7515 Maint. of major equipment	38,783	144,663	96,888	80,800	84,302	80,800
7520 Maint. of minor equipment	469	1,271	-	1,000	1,249	1,000
7645 Maintenance services	23,139	10,047	10,174	36,399	28,453	30,000
7699 Other services	13,953	16,892	11,338	17,600	13,704	17,600
7810 Laboratory equipment	4,808	-	2,695	5,000	3,283	5,000
7820 Office furniture & equipment	1,588	420	602	600	458	300
7830 Pumping equipment	8,028	2,732	12,297	10,000	32,027	10,000
7899 Other minor tools & equipment	18	45	14	1,000	-	250
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>684,129</b>	<b>802,692</b>	<b>857,249</b>	<b>793,640</b>	<b>811,829</b>	<b>912,099</b>
	<b>1,297,187</b>	<b>1,302,325</b>	<b>1,337,872</b>	<b>1,287,560</b>	<b>1,296,696</b>	<b>1,523,347</b>



Department Responsibility: **Vacant**

Title: **Wastewater Treatment Manager**

Telephone Ext: **6500**

Dept. No: **3220**

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

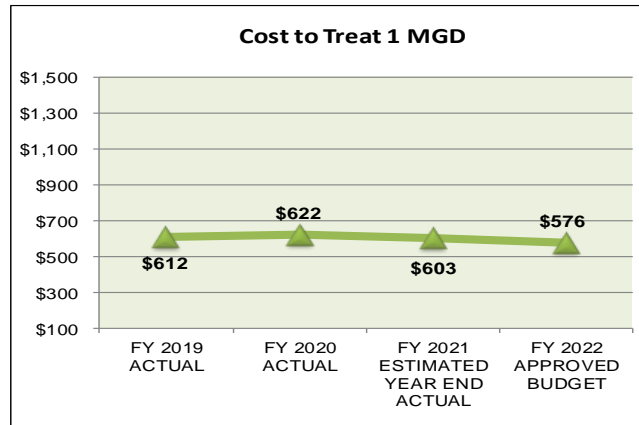
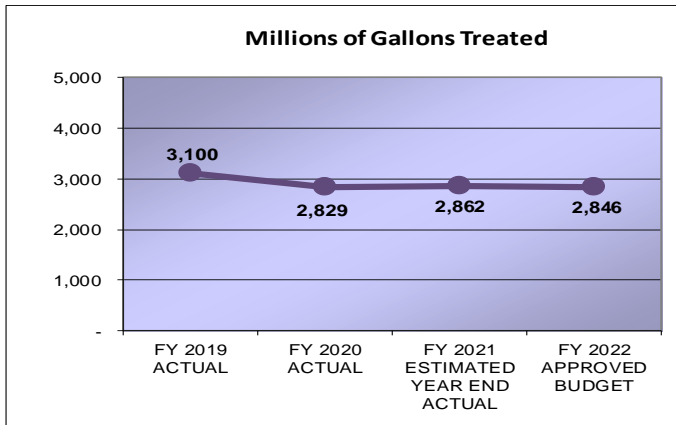
**Department Function:**

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.

	FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
<b>INPUT MEASURES</b>				
Employees	11	10	10	10
Total O&M Expenses	\$ 1,897,881	\$1,760,689	\$ 1,787,306	\$ 1,869,889
Dry Tons Sludge to Site	1,189	1,072	1,131	1,101
Gallons Treated	3,099,888,000	2,828,719,000	2,862,323,000	2,845,521,000
<b>OUTPUT MEASURES</b>				
Monthly Reports Produced	18	18	18	18
Annual Statistical Reports	1	1	1	1
Operational Budget Reports Produced	12	12	12	12
<b>OUTCOME MEASURES</b>				
Operate Within Permit Compliance	Yes	Yes	Yes	Yes
Operate Within Approved Budget	Yes	Yes	Yes	Yes
% of CIP Projects Completed on Schedule	100%	100%	100%	100%
Cost to Treat 1 MGD	\$ 612	\$ 622	\$ 603	\$ 576
<b>EFFICIENCY MEASURES</b>				
Average CBOD % Removal mg/l	99%	99%	99%	99%
Average TSS % Removal mg/l	98%	98%	99%	99%



## DEPARTMENT 3220 - ROBINDALE WASTEWATER TREATMENT PLANT

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 144,518	\$ 145,032	\$ 150,204	\$ 149,219	149,493	156,842
6110 Clerical staff	33,453	33,322	34,387	33,842	34,099	35,534
6115 Operational staff	498,610	284,092	284,240	291,741	257,728	330,909
6130 Overtime	131,202	33,427	38,747	27,839	57,094	50,412
6140 Severance Pay	-	-	-	-	3,394	-
6201 T.M.R.S.	144,472	87,844	88,676	84,182	93,519	91,837
6205 F.I.C.A.	48,292	29,773	30,135	29,438	31,561	32,444
6206 Suta	-	1,486	-	-	-	-
6210 Medicare	11,294	6,963	7,048	6,885	7,381	7,588
6214 Dental Insurance	4,547	4,748	5,280	6,251	5,206	6,251
6215 Hospitalization insurance	139,594	90,534	105,639	127,410	103,795	119,645
6220 Life Insurance	773	449	423	570	406	616
6221 Long Term Disability Insurance	549	668	865	950	830	1,047
6225 Workers Compensation	20,211	12,414	12,703	11,870	12,700	13,082
6230 Vacation leave	1,569	(17,224)	14,284	6,063	1,196	5,642
6235 Sick leave	(4,259)	(41,695)	(19,309)	6,671	(2,221)	6,207
6240 Educational assistance	-	660	-	1,000	-	1,000
6260 Vacancy Savings	-	-	-	(23,740)	-	(22,089)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>1,174,827</b>	<b>672,494</b>	<b>753,321</b>	<b>760,190</b>	<b>756,181</b>	<b>836,968</b>
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	974	318	186	346	111	346
7120 Office supplies	1,564	1,409	769	1,300	1,178	1,300
7130 Postage/shipping charges	2,391	2,640	3,249	3,000	2,824	3,000
7140 Training expenses	1,960	2,805	896	1,596	2,098	3,825
7145 Travel expenses	2,092	514	1,967	800		800
7180 Utilities - departmental	488,576	469,757	396,461	500,000	441,749	400,000
7201 Barricades & signs	448	-	61	100		800
7203 Sand, Caliche, Gravel, Concrete etc	2,274	14,855	-	-		
7210 Landscaping/Trade a Tree Program	-	-	-	-		
7215 Laundry & janitorial supplies	596	196	737	600	416	600
7225 Safety supplies	3,601	2,481	5,922	3,000	4,336	3,000
7279 Ultraviolet light system expenses	64,831	277,680	208,187	250,000	149,972	185,000
7286 Chemicals - deodorants	150	165	-	-		
7293 Chemicals - other	30,561	37,620	45,216	44,000	73,656	46,400
7299 Other materials & supplies	28,572	13,040	15,509	32,000	9,964	17,000
7315 Food, meals, ice, water	1,230	640	373	800	277	800
7325 Rental of equip/storage/land	2,852	3,581	2,781	4,000	2,106	4,020
7335 Wearing apparel & dry goods	5,922	3,000	896	3,345	1,515	2,010
7415 Fuels & lubricants	48,519	4,966	2,071	5,000	1,576	2,000
7501 Maint. of buildings & structures	-	48,699	16,120	45,000	3,700	40,000
7515 Maint. of major equipment	66,762	259,923	222,843	200,000	251,674	228,000
7520 Maint. of minor equipment	778	5,300	4,818	7,500	10,403	7,500
7645 Maintenance services	29,563	48,732	23,209	30,500	46,779	45,620
7699 Other services	10,679	12,749	7,888	17,600	8,454	12,600
7801 Communication equipment	226	-	450	500	504	500
7805 Computer equipment	-	-	-	-		
7810 Laboratory equipment	4,806	2,120	3,178	5,000	272	5,000
7820 Office furniture & equipment	230	1,494	1,076	600	1,274	800
7830 Pumping equipment	5,823	9,965	41,268	15,000	15,024	20,000
7899 Other minor tools & equipment	2,513	738	1,239	2,000	1,263	2,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>808,491</b>	<b>1,225,387</b>	<b>1,007,368</b>	<b>1,173,587</b>	<b>1,031,125</b>	<b>1,032,921</b>
	<b>1,983,318</b>	<b>1,897,881</b>	<b>1,760,689</b>	<b>1,933,777</b>	<b>1,787,306</b>	<b>1,869,889</b>



**Department Responsibility:** Hector Herrera Jr  
**Title:** W/WW Plant Maint&Lift Stations Manager  
**Telephone Ext:** 6520  
**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

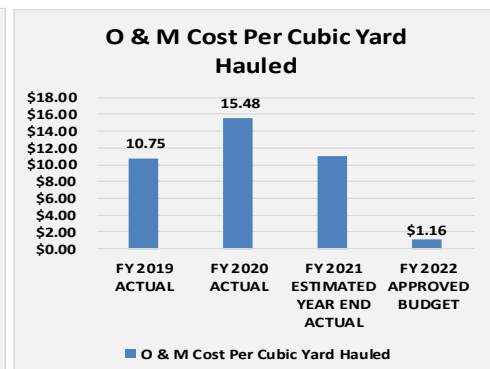
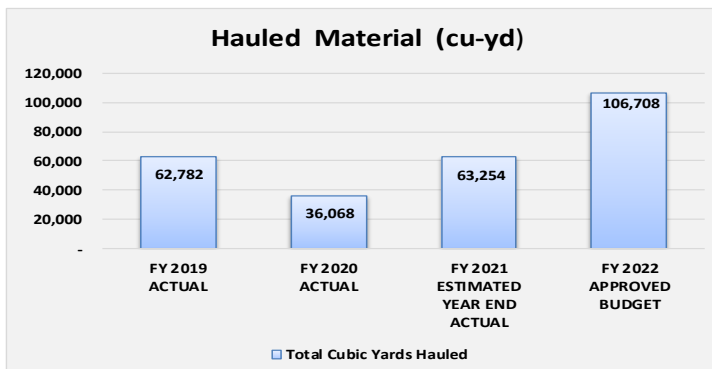
Compliance With State & Federal Regulations  
 Operate Within Approved Budget  
 % Of Special Projects Completed On Schedule

#### EFFICIENCY MEASURES

O & M Cost Per Cubic Yard Hauled

Note: New department created in 2019

FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
8	8	8	8
\$ 675,080	\$ 558,439	\$ 620,385	\$648,673
31,598	4,875	32,659	56,712
8,064	1,913	9,345	21,936
22,560	22,320	22,625	27,880
560	-	-	180
62,782	36,068	63,254	106,708
15	1	13	42
Yes	YES	YES	YES
Yes	YES	YES	YES
100%	100%	100%	100%
\$10.75	\$ 15.48	\$ 10.97	\$1.16



## DEPARTMENT 3225 – WATER/WASTEWATER SLUDGE MANAGEMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6115 Operational staff	\$ -	\$ 294,509	\$ 276,763	\$ 285,542	\$ 311,176	\$ 342,579
6130 Overtime	-	64,133	30,632	31,668	42,303	42,648
6201 T.M.R.S.	-	63,683	61,267	50,627	63,056	60,123
6205 F.I.C.A.	-	21,014	20,396	17,704	20,665	21,240
6210 Medicare	-	4,915	4,770	4,140	4,833	4,967
6214 Dental Insurance	-	3,686	4,079	4,924	4,320	5,207
6215 Hospitalization insurance	-	74,898	75,990	91,016	91,396	112,395
6220 Life Insurance	-	290	263	354	291	419
6221 Long Term Disability Insurance	-	414	507	571	570	685
6225 Workers Compensation	-	8,966	8,737	7,139	8,856	8,564
6230 Vacation leave	-	17,379	9,477	3,646	5,649	4,184
6235 Sick leave	-	52,743	7,664	4,012	(947)	4,603
6260 Vacancy Savings	-	-	-	(14,277)		(16,381)
<i>O&amp;M PERSONNEL TOTAL</i>	-	606,630	500,545	487,066	552,169	591,233
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	-	222	97	455	406	500
7120 Office supplies	-	244	37	240	784	400
7140 Training expenses	-	1,041	120	1,449	350	1,000
7145 Travel expenses	-	90	138	608	60	500
7201 Barricades & signs	-	-	-	290	84	-
7203 Sand, Caliche, Gravel, Concrete etc	-	1,482	-	10,000	-	-
7215 Laundry & janitorial supplies	-	25	-	160	151	-
7225 Safety supplies	-	402	690	600	906	740
7288 Chemicals - ferric chloride	-	406	-	-	-	-
7299 Other materials & supplies	-	4,337	2,420	5,000	2,868	3,000
7315 Food, meals, ice, water	-	256	130	400	-	200
7325 Rental of equip/storage/land	-	-	-	-	-	-
7335 Wearing apparel & dry goods	-	3,002	2,460	3,343	1,224	2,000
7415 Fuels & lubricants	-	54,505	50,348	50,000	48,440	40,000
7645 Maintenance services	-	-	-	-	-	-
7801 Communication equipment	-	-	-	-	-	7,500
7805 Computer equipment	-	-	-	-	-	-
7899 Other minor tools & equipment	-	2,439	1,453	800	12,944	1,600
<i>O&amp;M NON-PERSONNEL TOTAL</i>	-	68,449	57,894	73,345	68,216	57,440
	-	675,079	558,439	560,411	620,385	648,673



Department Responsibility: Hector Herrera Jr  
 Title: W/WW Plant Maint. & WW Lift Stations Manager  
 Telephone Ext: 6520  
 Dept. No. 3230

**PERFORMANCE MEASURES  
FOR THE  
WASTEWATER LIFT STATIONS DEPARTMENT**

**Department Function:**

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

**Department Goals/Objectives:**

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

**INPUT MEASURES**

O&M expenditures	\$ 3,813,108	\$ 2,702,365	\$ 2,682,867	\$ 2,664,407
Power expenditures	\$ 619,365	\$ 623,694	\$ 632,584	\$ 600,547
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

**OUTPUT MEASURES**

Million gallons of pumped wastewater	5,169	5,241	5,983	5,202
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**OUTCOME MEASURES**

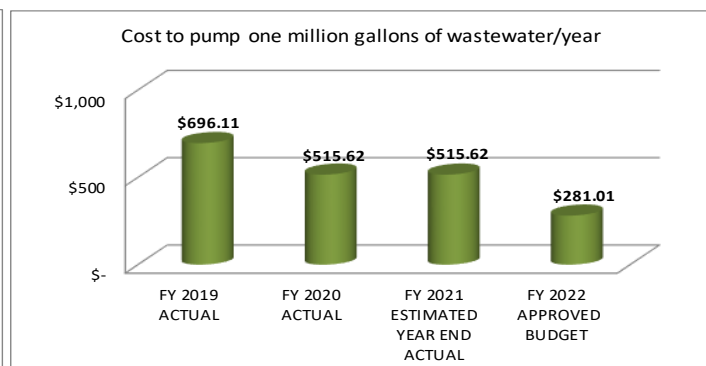
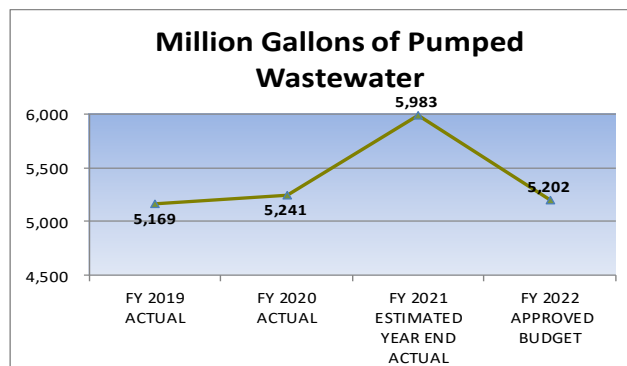
Number of customers served	51,204	52,956	54,708	53,719
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**EFFICIENCY MEASURES**

Kilo-watt-hours to pump ww from one customer/year	108	105	106	103
Labor-hours to pump ww every 1000 customer/year	1,300	1,256	1,216	1,239
Cost to pump wastewater from one customer/year	\$70.27	\$ 51.03	\$ 72.00	\$ 27.21
Cost to pump one million gallons of wastewater/year	\$696.11	\$ 515.62	\$ 515.62	\$ 281.01
No. of emergency repairs every 1000 customers/year	3.2	1.3	1.3	3.1

NOTE:

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





## DEPARTMENT 3230 – WASTEWATER LIFT STATIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 140,171	\$ 140,710	\$ 118,946	\$ 176,696	\$ 108,023	\$ 129,773
6110 Clerical staff	27,702	27,859	29,385	28,184	32,837	33,852
6115 Operational staff	980,454	987,148	723,810	555,568	572,904	626,369
6130 Overtime	165,750	174,572	122,504	195,086	98,772	170,256
6140 Severance Pay	-	-	6,542	-	-	-
6201 T.M.R.S.	235,709	245,701	179,545	134,827	145,130	138,644
6205 F.I.C.A.	78,289	80,815	60,216	47,148	47,541	48,980
6210 Medicare	18,310	18,900	14,083	11,026	11,118	11,455
6214 Dental Insurance	8,247	14,216	12,458	12,282	10,820	13,010
6215 Hospitalization insurance	252,730	246,806	209,925	210,154	199,340	241,640
6220 Life Insurance	1,353	1,117	802	926	671	959
6221 Long Term Disability Insurance	959	1,604	1,590	1,521	1,329	1,580
6225 Workers Compensation	33,302	33,987	25,508	19,011	20,445	19,750
6230 Vacation leave	125	6,079	(17,667)	9,711	16,561	9,646
6235 Sick leave	10,097	10,029	(146,893)	10,684	7,233	10,613
6260 Vacancy Savings	-	-	-	(38,022)	-	(37,770)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>1,953,198</i>	<i>1,989,545</i>	<i>1,340,754</i>	<i>1,374,803</i>	<i>1,272,722</i>	<i>1,418,757</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	-	-	-
7110 Dues & memberships	899	1,940	1,046	1,000	393	1,000
7120 Office supplies	3,816	4,582	1,413	2,500	1,995	1,000
7130 Postage/shipping charges	1,245	73	122	500	-	-
7140 Training expenses	15,535	6,776	3,476	2,500	4,752	5,000
7145 Travel expenses	1,083	567	360	2,016	-	600
7180 Utilities - departmental	514,586	528,059	517,212	400,000	541,766	400,000
7190 Utilities - CP&L & Mvec	96,732	91,307	99,448	100,000	99,055	100,000
7203 Sand, Caliche, Gravel, Concrete etc	4,844	2,179	492	5,200	348	-
7210 Landscaping/Trade a Tree Program	-	350	-	-	-	-
7225 Safety supplies	14,201	8,307	21,005	10,000	33,869	15,000
7286 Chemicals - deodorants	8,286	11,914	5,362	10,000	6,703	9,800
7293 Chemicals - other	411,749	95,723	-	40,000	13,635	30,000
7299 Other materials & supplies	136,368	81,499	38,650	40,000	108,624	95,000
7315 Food, meals, ice, water	1,004	844	654	1,100	891	500
7325 Rental of equip/storage/land	20,817	24,581	46,113	25,000	35,066	25,000
7335 Wearing apparel & dry goods	15,748	11,815	16,460	10,000	11,234	10,000
7415 Fuels & lubricants	69,066	58,068	49,789	45,000	53,539	45,000
7505 Maint. of communication equipment	208	1,020	1,480	1,600	1,425	750
7525 Maint. of boiler plant	-	-	-	-	-	-
7574 Maintenance of wells	54,796	111,276	61,355	50,000	12,421	20,000
7605 Engineering fees	40,853	9,794	-	15,000	-	5,000
7645 Maintenance services	236,423	556,276	296,686	200,000	182,210	250,000
7699 Other services	-	-	-	-	-	-
7801 Communication equipment	-	-	-	-	-	5,000
7805 Computer equipment	218	-	398	500	329	1,000
7820 Office furniture & equipment	1,522	1,046	-	500	469	-
7830 Pumping equipment	133,707	172,763	155,339	125,000	277,112	200,000
7835 Tools, shop and garage equipment	1,345	5,783	409	1,500	6,306	6,000
7899 Other minor tools & equipment	26,436	37,024	44,341	30,000	18,003	20,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>1,811,488</i>	<i>1,823,563</i>	<i>1,361,611</i>	<i>1,118,916</i>	<i>1,410,145</i>	<i>1,245,650</i>
	<b>3,764,686</b>	<b>3,813,108</b>	<b>2,702,365</b>	<b>2,493,719</b>	<b>2,682,867</b>	<b>2,664,407</b>



Department Responsibility: Marie C. Leal, P.E.

Department Manager: Manager

Telephone Ext: 6275

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 \$

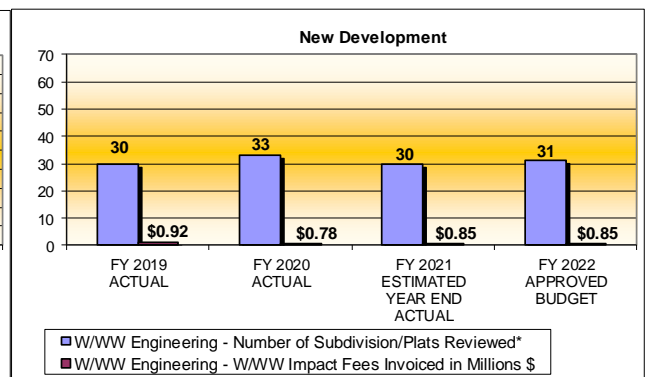
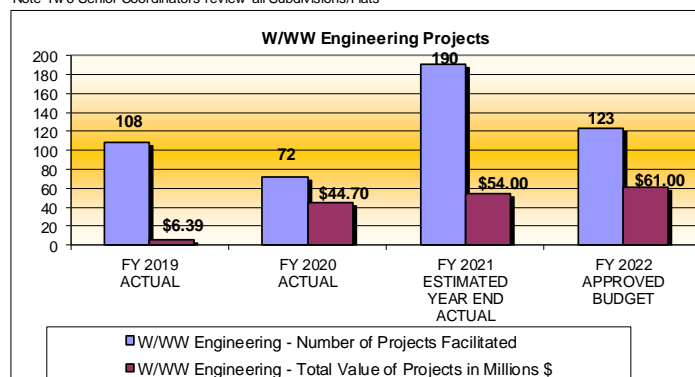
W/WW Engineering - W/WW Impact Fees Invoiced in Millions \$

### EFFICIENCY MEASURES

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

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

FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
8	8	6	6
3	4	3	4
2	2	3	3
108	72	190	123
30	33	30	31
\$ 6.39	\$ 44.70	\$ 54.00	\$ 61.00
\$ 0.92	\$ 0.78	\$ 0.85	\$ 0.85
\$ 0.58	\$ 3.73	\$ 6.00	\$ 6.10



## DEPARTMENT 3310 - WATER & WASTEWATER ENGINEERING

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 56,136	\$ 50,106	\$ 52,522	\$ 106,392	\$ 38,849	\$ 175,706
6105 Administrative Staff	295,438	272,472	288,707	369,042	299,045	403,857
6110 Clerical staff	89,477	61,775	83,159	191,976	59,962	146,128
6130 Overtime	2,658	2,649	1,036	3,358	2,173	2,601
6201 T.M.R.S.	80,105	135,611	154,141	118,332	157,333	127,359
6205 F.I.C.A.	25,823	22,355	25,028	41,379	25,086	44,993
6210 Medicare	6,039	5,228	5,853	9,678	5,867	10,523
6214 Dental Insurance	1,891	3,685	4,415	7,847	4,148	7,737
6215 Hospitalization insurance	63,900	63,126	81,899	141,077	85,685	151,353
6220 Life Insurance	444	337	355	762	335	814
6221 Long Term Disability Insurance	369	541	768	1,335	726	1,451
6225 Workers Compensation	11,664	9,564	10,759	16,685	10,844	18,142
6230 Vacation leave	(6,494)	4,928	32,172	8,523	677	8,755
6235 Sick leave	(2,689)	21,362	(24,507)	9,377	307	9,632
6240 Educational assistance	-	-	-	-	-	-
6260 Vacancy Savings	-	-	-	(33,370)	-	(34,278)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>624,763</b>	<b>653,739</b>	<b>716,307</b>	<b>992,392</b>	<b>691,036</b>	<b>1,074,774</b>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	691	96	107	500	-	-
7110 Dues & memberships	333	238	265	1,500	447	500
7115 Educational material	-	-	-	200	-	-
7120 Office supplies	10,438	11,307	1,887	10,000	5,092	1,500
7125 Photo equipment/supplies	-	254	-	800	-	-
7130 Postage/shipping charges	433	346	61	400	65	200
7135 Telephone expenses	-	-	-	300	-	200
7140 Training expenses	2,115	295	1,659	5,000	1,333	2,000
7145 Travel expenses	7,696	1,558	2,302	4,000	-	1,500
7225 Safety supplies	1,408	547	1,344	1,000	1,023	1,000
7299 Other materials & supplies	1,063	331	4,543	1,000	79	500
7315 Food, meals, ice, water	1,261	739	794	1,250	22	750
7325 Rental of equip/storage/land	9,069	8,143	4,973	5,000	6,017	5,000
7335 Wearing apparel & dry goods	2,458	1,539	-	1,238	300	1,000
7415 Fuels & lubricants	10,655	10,533	8,719	7,500	8,335	8,000
7505 Maint. of communication equipment	175	-	-	400	-	-
7601 Legal Fees	3,350	-	-	-	-	-
7605 Engineering fees	26,405	82,758	265,134	200,000	38,797	100,000
7630 Construction contractor services	109,000	-	-	-	-	-
7635 Software maintenance service fees	13,750	28,864	-	10,000	32,606	16,000
7645 Maintenance services	74,922	700	6,054	10,000	-	5,000
7699 Other services	10,151	4,950	306	5,000	800	3,000
7801 Communication equipment	-	-	-	400	-	-
7805 Computer equipment	150	-	-	-	-	-
7820 Office furniture & equipment	4,302	2,358	-	1,500	-	-
7899 Other minor tools & equipment	2,422	3,312	-	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>292,246</b>	<b>158,869</b>	<b>298,149</b>	<b>266,988</b>	<b>94,916</b>	<b>146,150</b>
	<b>917,009</b>	<b>812,608</b>	<b>1,014,456</b>	<b>1,259,380</b>	<b>785,952</b>	<b>1,220,924</b>



**Department Responsibility:** Fernando Saenz, P.E.  
**Title:** Assistant GM & COC  
**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

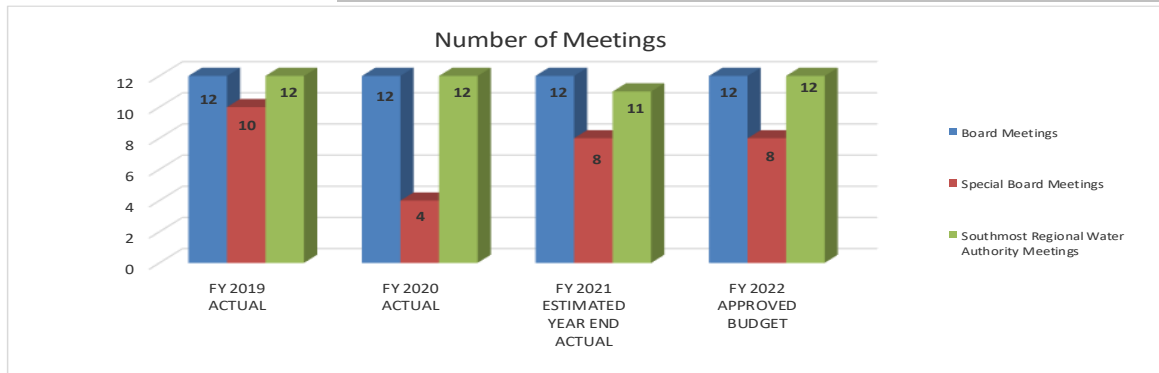
#### OUTPUT MEASURES

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 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
Employees (FTE)	3	3	3	3
O&M Expenditures Personnel	\$ 534,094	\$ 463,040	\$ 606,806	\$ 776,616
O&M Expenditures Non-Personnel	\$ 184,701	\$ 216,048	\$ 336,926	\$ 218,720
Board Meetings	12	12	12	12
Director Meetings	48	48	48	48
Agenda Items Reviewed	300	300	300	300
Joint Meetings with City Commission	1	1	1	1
Joint Meetings with Port of Brownsville	-	1		
Southmost Regional Water Authority	12	12	11	12
Special Board Meetings	10	4	8	8
Joint Meetings with GBIC Director	-	-	-	-
Directors/Managers Meetings	10	7	10	10



## DEPARTMENT 4105 – OPERATIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 264,992	\$ 287,299	\$ 325,474	\$ 382,017	\$ 379,855	\$ 508,093
6110 Clerical staff	46,005	46,051	47,568	46,634	47,771	48,965
6130 Overtime	1,480	1,501	1,661	1,009	1,574	1,009
6201 T.M.R.S.	57,807	81,026	89,671	76,000	92,388	97,764
6205 F.I.C.A.	10,522	12,321	16,907	26,576	16,818	34,538
6210 Medicare	4,609	5,000	5,602	6,215	6,359	8,077
6214 Dental Insurance	543	1,248	1,549	1,906	1,718	2,389
6215 Hospitalization insurance	19,163	20,781	25,395	31,930	31,043	43,765
6220 Life Insurance	316	244	241	451	283	583
6221 Long Term Disability Insurance	261	286	394	857	461	1,114
6225 Workers Compensation	8,079	8,781	9,864	10,716	11,212	13,926
6230 Vacation leave	3,428	11,473	15,422	5,474	(1,368)	6,968
6235 Sick leave	130	39,225	(96,567)	6,023	(404)	7,667
6242 Auto Benefits	9,000	15,692	16,500	16,500	15,866	24,000
6243 Telephone Benefits	1,680	3,166	3,360	3,360	3,231	5,040
6260 Vacancy Savings	-	-	-	(21,433)	-	(27,285)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>428,015</i>	<i>534,094</i>	<i>463,040</i>	<i>594,235</i>	<i>606,806</i>	<i>776,616</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	483	-	1,000	-	-
7110 Dues & memberships	589	1,189	1,056	700	289	750
7120 Office supplies	1,634	4,810	2,774	2,500	2,689	1,500
7130 Postage/shipping charges	279	99	-	350	72	150
7135 Telephone expenses	-	1,158	-	2,000	1,651	1,600
7140 Training expenses	2,338	2,895	695	2,541	450	1,500
7145 Travel expenses	10,338	14,933	10,917	10,000	1,147	7,500
7225 Safety supplies	-	113	377	200	819	500
7299 Other materials & supplies	348	170	506	1,800	330	750
7315 Food, meals, ice, water	346	1,141	1,374	1,200	386	1,000
7325 Rental of equip/storage/land	-	-	-	-	-	4,800
7601 Legal Fees	349,047	135,103	197,967	100,000	233,814	157,370
7635 Software maintenance service fees	-	-	-	300	-	300
7699 Other services	133,424	19,831	382	-	95,278	41,000
7805 Computer equipment	-	-	-	-	-	-
7806 Software licenses-new	-	1,694	-	-	-	-
7820 Office furniture & equipment	-	1,080	-	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>498,343</i>	<i>184,701</i>	<i>216,048</i>	<i>122,591</i>	<i>336,926</i>	<i>218,720</i>
	<b>926,358</b>	<b>718,795</b>	<b>679,088</b>	<b>716,826</b>	<b>943,732</b>	<b>995,336</b>



Department Responsibility: Lina Alvarez

Title: Energy Risk Manager

Telephone Ext: 6378

Dept. No: 4110

## PERFORMANCE MEASURES FOR THE ENERGY RISK MANAGEMENT DEPARTMENT

### Department Function:

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

### Department Goals/Objectives:

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

### INPUT MEASURES

Total O&M Expenses

### OUTPUT MEASURES:

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

### OUTCOME MEASURES

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

	FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
Total O&M Expenses	\$ 223,401	\$ 345,749	\$ 208,933	\$ 235,041
ERM Reports (monthly) produced	25	25	25	25
Audits Produced	1	2	1	1
Developed Energy Risk Analysis	10	10	10	10
Energy Risk Management Policy Updated	1	1	1	1
Review of Other Energy Risk Management Policies	12	12	12	12
Review of Load Forecast, Generation Resource Availability & Costs	5	7	5	5
Transaction accountability review	yes	yes	yes	yes
Increase Energy Risk Management Analysis	yes	yes	yes	yes
Establish frequent policy review	yes	yes	yes	yes
Establish a ERM Software	yes	yes	yes	yes

## DEPARTMENT 4110 – ENERGY RISK MANAGEMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 88,837	\$ 89,178	\$ 92,334	\$ 91,728	\$ 92,081	\$ 96,314
6201 T.M.R.S.	15,887	15,797	16,132	16,263	16,343	16,903
6205 F.I.C.A.	5,512	5,519	5,712	5,687	5,697	5,971
6210 Medicare	1,289	1,291	1,336	1,330	1,332	1,397
6214 Dental Insurance	272	398	438	484	437	484
6215 Hospitalization insurance	6,004	6,249	6,943	7,857	7,642	8,643
6220 Life Insurance	94	79	76	100	75	105
6221 Long Term Disability Insurance	75	134	177	183	176	193
6225 Workers Compensation	2,221	2,229	2,308	2,293	2,302	2,408
6230 Vacation leave	171	(555)	2,158	1,171	2,955	1,171
6235 Sick leave	2,648	854	820	1,289	-	1,289
6260 Vacancy Savings	-	-	-	(4,586)	-	(4,586)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>123,009</b>	<b>121,173</b>	<b>128,435</b>	<b>123,800</b>	<b>129,040</b>	<b>130,291</b>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	93	-	500	-	-
7110 Dues & memberships	283	285	288	500	85	-
7115 Educational material	687	-	-	-	-	-
7120 Office supplies	455	375	173	400	8	400
7130 Postage/shipping charges	-	152	16	300	-	300
7140 Training expenses	1,990	895	-	1,596	-	800
7145 Travel expenses	3,717	1,937	1,137	2,528	-	1,500
7225 Safety supplies	-	-	-	-	-	-
7299 Other materials & supplies	998	790	366	400	564	150
7315 Food, meals, ice, water	97	132	34	500	29	200
7699 Other services	70,743	96,868	212,762	80,000	79,209	100,000
7805 Computer equipment	585	-	-	1,800	-	900
7806 Software licenses-new	-	-	2,344	2,000	-	500
7820 Office furniture & equipment	280	701	195	800	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>79,834</b>	<b>102,228</b>	<b>217,314</b>	<b>91,324</b>	<b>79,893</b>	<b>104,750</b>
	<b>202,843</b>	<b>223,401</b>	<b>345,749</b>	<b>215,124</b>	<b>208,933</b>	<b>235,041</b>



**Department Responsibility:** Jaime Estrada  
**Title:** Director of Operational Support Services  
**Telephone Ext:** 6218  
**Dept. No:** 4115

**PERFORMANCE MEASURES  
FOR THE  
ASSET MANAGEMENT DEPARTMENT**

**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.

	FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 PROPOSED BUDGET
<b>INPUT MEASURES</b>				
Employees (FTE's)	N/A	N/A	N/A	N/A
O&M Budget	\$ -	\$ -	\$ -	\$ 109,050
<b>OUTPUT MEASURES</b>				
RE - PM PDM Compliance	N/A	N/A	N/A	N/A
RE - Mean Time Between Failures	N/A	N/A	N/A	N/A
RE - Mean Time To Repair	N/A	N/A	N/A	N/A
RE - % Emergency Maintenance	0%	0%	0%	0
RE - % Preventive Maintenance	0%	0%	0%	0
RE - % Planned Maintenance	0%	0%	0%	0
<b>OUTCOME MEASURES</b>				
WM - Maintenance Resource Utilization	0%	0%	0%	0%
WM - Maintenance Schedule Compliance	0%	0%	0%	0%
WM - Maintenance Schedule Completion	0%	0%	0%	0%
WM - PM/PDM Work	0%	0%	0%	0%
WM - Maintenance Backlog - Total	N/A	N/A	N/A	N/A
WM - Maintenance Backlog - Ready	N/A	N/A	N/A	N/A
<b>EFFICIENCY MEASURES</b>				
RE - Maintenance Cost % of Total Cost	0%	0%	0%	0%
WM - Yearly Scheduling Effectiveness	0%	0%	0%	0%



## DEPARTMENT 4115 –ASSET MANAGEMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6130 Overtime	\$ -	\$ -	\$ -	\$ 1,009	\$ -	\$ 1,009
<i>O&amp;M PERSONNEL TOTAL</i>	-	-	-	1,009	-	1,009
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	1,000	-	-
7110 Dues & memberships	-	-	-	700	-	500
7120 Office supplies	-	-	-	4,000	-	2,000
7130 Postage/shipping charges	-	-	-	350	-	-
7135 Telephone expenses	-	-	-	2,000	-	-
7140 Training expenses	-	-	-	2,541	-	1,541
7145 Travel expenses	-	-	-	15,000	-	3,000
7225 Safety supplies	-	-	-	200	-	200
7299 Other materials & supplies	-	-	-	1,800	-	800
7315 Food, meals, ice, water	-	-	-	1,200	-	-
7601 Legal Fees	-	-	-	150,000	-	-
7605 Engineering fees	-	-	-	-	-	100,000
7635 Software maintenance service fees	-	-	-	300	-	-
7699 Other services	-	-	-	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	-	-	-	179,091	-	108,041
	-	-	-	180,100	-	109,050



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.

**INPUT MEASURES**

Number of Employees

O&M Personnel Expenses

O&M Non-Personnel Expenses

**OUTPUT MEASURES**

Yearly Misoperations Submittals

Number of 693 Policies and Procedures Reviewed

Number of CIP Policies and Procedures Reviewed

Quarterly Awareness Submittals for Employees with access to Critical Cyber Assets

Quarterly Employee Verification Submittals for Authorized Personnel

Total Number of Online Training Hours

Number of NERC requirements

ERCOT protocols and operating guides sections

**OUTCOME MEASURES**

Number of Trainings to Provide

Review of NERC Responsibility Matrix

**EFFICIENCY MEASURES**

% of NERC Compliance

% of Trainings Completed

	FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
Number of Employees	5	5	5	5
O&M Personnel Expenses	\$ 454,872	\$ 446,549	\$ 464,267	\$ 523,419
O&M Non-Personnel Expenses	\$ 207,225	\$ 52,234	\$ 28,389	\$ 73,900
Yearly Misoperations Submittals	4	4	4	4
Number of 693 Policies and Procedures Reviewed	37	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	280	368	248	276
Number of NERC requirements	826	776	789	789
ERCOT protocols and operating guides sections	35	35	36	36
Number of Trainings to Provide	13	13	13	13
Review of NERC Responsibility Matrix	2	2	2	2
% of NERC Compliance	100%	100%	100%	100%
% of Trainings Completed	100%	100%	100%	100%

## DEPARTMENT 4210 – NERC COMPLIANCE

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 108,139	\$ 108,555	\$ 112,392	\$ 111,654	\$ 112,321	\$ 117,237
6105 Administrative Staff	190,694	191,428	197,478	196,893	190,839	245,880
6110 Clerical staff	29,152	25,224	-	44,117	-	-
6130 Overtime	203	139	-	-	-	-
6201 T.M.R.S.	58,692	57,848	55,738	62,527	55,726	63,727
6205 F.I.C.A.	19,696	19,532	19,174	21,865	18,715	22,513
6210 Medicare	4,606	4,568	4,484	5,114	4,377	5,265
6214 Dental Insurance	1,358	2,263	2,039	2,745	2,217	2,946
6215 Hospitalization insurance	41,589	41,950	38,533	51,712	47,775	63,719
6220 Life Insurance	362	299	260	394	259	404
6221 Long Term Disability Insurance	278	482	589	705	584	726
6225 Workers Compensation	8,222	8,164	7,976	8,817	7,848	9,078
6230 Vacation leave	(2,096)	(619)	8,859	4,504	16,206	4,449
6235 Sick leave	5,985	(4,960)	(972)	4,955	7,399	4,895
6260 Vacancy Savings	-	-	-	(17,633)	-	(17,419)
<i>O&amp;M PERSONNEL TOTAL</i>	466,881	454,872	446,549	498,368	464,267	523,419
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	119	-	-	-	-
7110 Dues & memberships	45	45	45	100	45	50
7120 Office supplies	1,107	557	293	1,100	604	500
7130 Postage/shipping charges	-	-	-	-	-	-
7135 Telephone expenses	250	-	-	200	-	-
7140 Training expenses	2,100	-	-	-	-	-
7145 Travel expenses	9,201	628	851	1,448	-	-
7225 Safety supplies	-	-	141	150	-	150
7304 Hurricane Preparedness Expenses	-	-	-	500	-	-
7305 ERCOT expenses	42,384	200,769	49,581	70,000	27,200	70,000
7315 Food, meals, ice, water	422	1,541	263	1,000	-	500
7325 Rental of equip/storage/land	87	122	118	300	72	200
7635 Software maintenance service fees	-	-	468	1,000	468	500
7805 Computer equipment	398	874	475	1,000	-	1,000
7806 Software licenses-new	1,402	2,528	-	3,000	-	1,000
7820 Office furniture & equipment	315	43	-	1,000	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	57,711	207,225	52,234	80,798	28,389	73,900
	524,592	662,097	498,783	579,166	492,656	597,319



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 and Hidalgo 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  
 Pre-Assigned Congestion Revenue Rights Auctions/Nominations Awarded

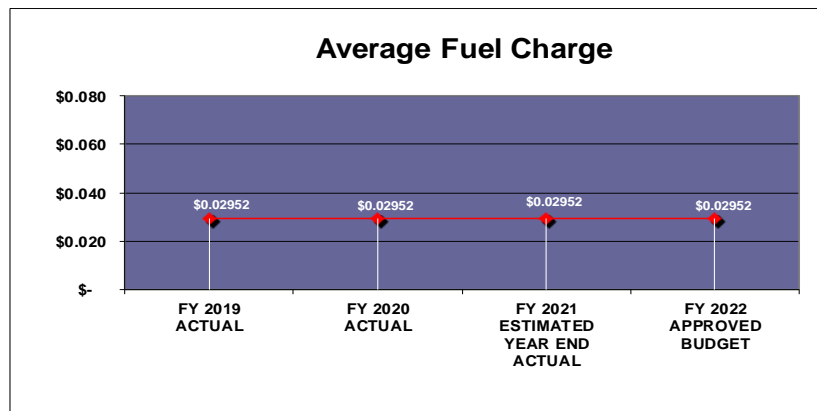
**OUTCOME MEASURES**

Fuel & Energy Reports  
 Fuel & Purchase Energy Charge Projections  
 Load and Capacity Forecast  
 Pre-Assigned Congestion Revenue Rights Auctions/Nominations Awarded

**EFFICIENCY MEASURES**

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

FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
2	2	2	2
\$ 194,881	\$ 201,316	\$ 206,001	\$ 210,837
\$ 63,597,180	\$ 60,088,427	\$ 210,620,661	\$ 66,055,700
727	745	751	798
8	9	10	10
46	28	13	26
24	16	12	21
338	310	298	298
12	12	12	12
14	12	13	17
3	9	12	12
100%	100%	100%	100%
100%	100%	100%	100%
100%	100%	100%	100%
\$ 0.02952	\$ 0.02952	\$ 0.02952	\$ 0.02952



## DEPARTMENT 4220 – FUEL & PURCHASED ENERGY SUPPLY

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 71,760	\$ 72,036	\$ 74,579	\$ 74,090	\$ 74,375	\$ 77,794
6105 Administrative Staff	58,947	59,174	61,263	60,861	61,095	63,904
6201 T.M.R.S.	23,376	23,243	23,734	23,927	24,044	24,868
6205 F.I.C.A.	7,572	7,558	7,755	8,367	7,669	8,785
6210 Medicare	1,771	1,768	1,814	1,957	1,794	2,055
6214 Dental Insurance	543	1,249	1,466	1,619	1,460	1,619
6215 Hospitalization insurance	21,145	22,024	24,783	28,142	27,367	30,956
6220 Life Insurance	143	120	117	152	116	159
6221 Long Term Disability Insurance	110	197	260	270	258	283
6225 Workers Compensation	3,268	3,280	3,396	3,374	3,387	3,542
6230 Vacation leave	(1,346)	547	5,813	1,723	4,437	1,723
6235 Sick leave	(6,571)	3,685	(3,662)	1,896	-	1,896
6260 Vacancy Savings	-	-	-	(6,748)	-	(6,748)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>180,718</b>	<b>194,881</b>	<b>201,316</b>	<b>199,629</b>	<b>206,001</b>	<b>210,837</b>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	3,300	3,411	3,510	4,000	3,690	4,000
7110 Dues & memberships	-	-	-	750	2,000	1,000
7120 Office supplies	767	1,085	754	1,100	169	1,200
7130 Postage/shipping charges	-	-	-	200	-	-
7135 Telephone expenses	-	-	234	400	-	400
7140 Training expenses	-	-	-	-	-	-
7145 Travel expenses	-	-	-	-	-	-
7225 Safety supplies	-	-	-	-	464	-
7299 Other materials & supplies	-	21	-	-	-	-
7304 Hurricane Preparedness Expenses	-	-	-	200	-	-
7305 ERCOT expenses	1,263,351	688,696	1,117,073	750,000	916,302	900,000
7315 Food, meals, ice, water	25	25	27	500	-	100
7601 Legal Fees	-	-	-	5,000	-	2,000
7605 Engineering fees	2,575	6,563	2,438	10,000	11,875	15,000
7635 Software maintenance service fees	-	-	4,688	3,500	-	4,000
7701 Fuel - Natural gas - Silas Ray	1,073,744	1,235,346	1,198,891	2,000,000	8,591,978	2,000,000
7702 Fuel - Natural Gas - Hidalgo Energy	10,222,283	7,491,013	8,021,431	9,000,000	33,315,139	9,000,000
7704 Fuel - TETCO/Hinshaw Pipeline	664,305	551,861	838,119	900,000	1,095,257	900,000
7705 Fuel - Coal - Oklaunion	7,538,764	9,304,377	3,778,547	-	-	-
7706 Fuel-Diesel-Distributed Generation	-	-	-	10,000	12,977	-
7707 Fuel - Diesel oil - Oklaunion	62,776	197,593	90,616	-	-	-
7708 Fuel-Natural Gas Transp-Silas Ray	97,237	79,090	122,914	200,000	120,331	200,000
7714 Pchp - Wind Resources	9,091,589	7,979,936	3,149,159	6,000,000	2,315,270	5,000,000
7720 Pchp - Resource Imbalance	1,515,735	6,936,621	6,653,338	4,500,000	60,597,664	4,500,000
7721 Pchp - Economy power	11,982,163	6,027,609	7,169,856	9,000,000	10,637,679	10,000,000
7724 Pchp - Fixed Energy - AEP PPA	-	-	-	13,930,000	13,490,400	14,000,000
7726 Pchp - Bilateral Energy Expns-Gas	-	-	-	8,236	-	6,289
7727 Pchp - Bilateral Energy-Gas Transp	-	-	-	824	-	629
7728 Pchp - Bilateral Energy Exp-Coal	-	-	-	-	-	-
7729 Pchp - TCOS (Wheeling)	8,032,710	8,043,011	8,675,265	7,000,175	9,848,333	7,700,000
7733 Pchp - Bilateral Ancillary Services	2,080,658	3,159,197	1,473,738	1,800,000	30,187,914	1,800,000
7736 Pchp - QSE Charges	400,703	402,416	404,101	420,000	405,741	420,000
7737 Pchp - Ercot Charges	1,432,188	1,119,473	1,055,882	1,300,000	1,798,044	1,300,000
7738 Pchp - CSC Congestion Cost (CSCBE)	588,547	2,122,757	4,932,015	2,000,000	(1,193,743)	2,000,000
7740 Power marketing services	318,562	495,848	321,856	300,000	5,742,757	300,000
7750 Pchp - Real Time Energy - Wind	1,467,415	2,676,969	4,310,175	3,294,200	8,423,072	4,087,622
7751 Pchp - Reliability Unit Cmt Exp-Gas	47,274	-	2,203	82,355	7,041	62,886
7752 Pchp - Reliab Unit Cmt - Gas Transp	3,319	-	304	8,236	445	6,289
7753 Pchp - Day Ahead Energy Exp-Gas	66,202	276,008	941,764	164,710	51,023	125,773
7754 Pchp - Day Ahead Energy-Gas Transp	4,228	24,245	77,604	16,471	38,626	12,577
7755 Pchp - Real Time Energy Exp-Gas	1,411,322	2,677,424	1,928,397	1,482,390	23,021,154	1,257,730
7756 Pchp - Real Time Energy - Gas Transp	101,511	185,027	197,919	148,239	1,165,867	125,773
7757 Pchp - Reliab Unit Cmt - Coal	-	-	-	-	-	-
7758 Pchp - Day Ahead Energy-Coal	-	-	-	-	-	-
7759 Pchp - Real Time Energy - Coal	2,199,805	1,424,261	387,351	-	-	-
7760 Pchp - Day Ahead Energy-Wind	-	487,155	3,228,190	1,894,165	12,296	314,432
7805 Computer equipment	-	-	69	4,000	128	6,000
7820 Office furniture & equipment	-	142	-	1,500	768	2,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>61,673,058</b>	<b>63,597,180</b>	<b>60,088,427</b>	<b>66,241,151</b>	<b>210,620,661</b>	<b>66,055,700</b>
	<b>61,853,776</b>	<b>63,792,061</b>	<b>60,289,743</b>	<b>66,440,780</b>	<b>210,826,662</b>	<b>66,266,537</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 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<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	-	-	-	15,000	-	5,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	-	-	-	15,000	-	5,000
	-	-	-	15,000	-	5,000



<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 2019 ACTUAL</b>	<b>FY 2020 ACTUAL</b>	<b>FY 2021 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2022 PROPOSED BUDGET</b>
<b>INPUT MEASURES</b>				
Employees (FTE)	4	4	5	4
O&M Expenditures Personnel	\$ 554,282	\$ 547,024	\$ 451,492	\$ 432,611
O&M Expenditures Non-Personnel	\$ 377,390	\$ 686,098	\$ 42,233	\$ 171,550
<b>OUTPUT MEASURES</b>				
Meeting with Operations Directors - Bi-Weekly	65	20	0	20
Meeting with OSS Upper Management - Weekly	47	47	258	102
Meeting with OSS Division Management - Quarterly	4	4		
Directors Meeting with Executive Management - Weekly	48	24	44	52
<b>OUTCOME MEASURES</b>				
Meeting with OSS Management - Monthly	60	55	104	48
Directors and Managers Meeting - Monthly	10	6	7	11
PUBCAP Meeting - Monthly	10	6	8	11
BPUB Board Meeting/Special Board Meetings	19	16	17	17
SRWA Board Meeting - Monthly	12	12	11	12

## DEPARTMENT 4310 – OPERATIONAL SUPPORT SERVICES

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 359,381	\$ 363,524	\$ 333,676	\$ 353,636	\$ 262,449	\$ 267,481
6110 Clerical staff	37,045	34,626	32,912	49,024	47,010	34,944
6130 Overtime	1,046	1,502	2,182	1,328	2,175	886
6201 T.M.R.S.	72,616	72,486	72,228	71,392	66,350	53,076
6205 F.I.C.A.	23,091	23,392	22,451	24,965	19,603	18,750
6210 Medicare	5,726	5,779	5,351	5,839	4,782	4,385
6214 Dental Insurance	1,056	2,260	2,383	3,076	2,086	1,910
6215 Hospitalization insurance	34,971	36,516	36,658	48,940	36,685	35,171
6220 Life Insurance	415	346	296	440	252	327
6221 Long Term Disability Insurance	335	554	656	805	540	605
6225 Workers Compensation	10,155	10,230	9,472	10,067	8,440	7,561
6230 Vacation leave	820	(1,343)	18,064	5,142	(8,375)	3,671
6235 Sick leave	1,224	(5,122)	1,513	5,657	667	4,039
6240 Educational assistance	-	-	-	-	-	5,000
6242 Auto Benefits	7,500	7,788	7,500	7,500	7,212	7,500
6243 Telephone Benefits	1,680	1,745	1,680	1,680	1,616	1,680
6260 Vacancy Savings	-	-	-	(20,133)	-	(14,373)
<i>O&amp;M PERSONNEL TOTAL</i>	557,063	554,282	547,024	569,357	451,492	432,611
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	200	-	-
7110 Dues & memberships	231	400	1,045	500	2,892	1,500
7115 Educational material	-	-	-	-	-	-
7120 Office supplies	1,960	2,161	283	1,000	362	1,000
7130 Postage/shipping charges	139	47	49	200	-	50
7140 Training expenses	2,815	3,713	590	3,000	50	2,500
7145 Travel expenses	5,717	10,734	1,425	6,000	-	2,000
7225 Safety supplies	59	-	-	250	80	100
7299 Other materials & supplies	-	32	500	500	41	500
7304 Hurricane Preparedness Expenses	-	-	-	-	-	-
7315 Food, meals, ice, water	3,157	2,516	133	2,000	-	1,000
7325 Rental of equip/storage/land	-	-	-	-	-	1,100
7601 Legal Fees	8,744	2,690	5,570	6,000	24,835	6,000
7605 Engineering fees	-	-	-	-	-	2,000
7699 Other services	9,191	354,041	675,690	98,739	13,922	150,000
7801 Communication equipment	-	-	-	-	-	3,500
7805 Computer equipment	310	-	-	-	-	300
7820 Office furniture & equipment	-	1,058	813	500	51	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	32,323	377,390	686,098	118,889	42,233	171,550
	589,386	931,672	1,233,122	688,246	493,725	604,161





Department Responsibility: **Miguel A. Perez**  
 Title: **Chief Financial Officer**  
 Telephone Ext: **6187**  
 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, prepares continuing disclosure documents, 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)

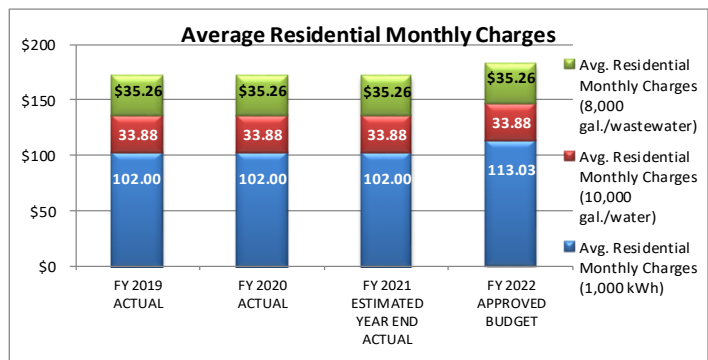
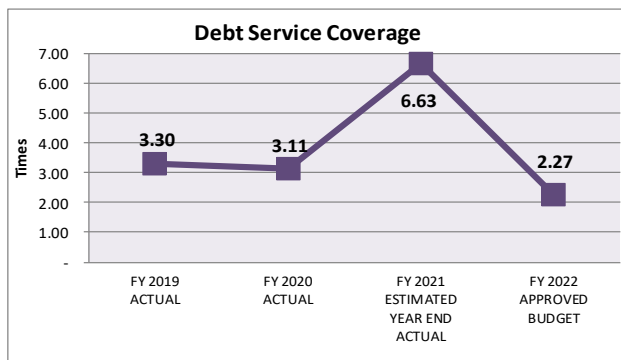
#### OUTCOME MEASURES

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 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
7	9	9	9
\$ 1,086,956	\$ 1,332,473	\$ 1,586,351	\$ 1,517,321
\$ 240,080,194	\$ 229,307,642	\$ 469,413,673	\$ 224,387,503
\$ 81,074,546	\$ 108,350,813	\$ 90,795,286	\$ 98,169,572
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-
3.30	3.11	6.63	2.27
Yes	Yes	Yes	Yes
Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes
\$ 102.00	\$ 102.00	\$ 102.00	\$ 113.03
\$ 33.88	\$ 33.88	\$ 33.88	\$ 33.88
\$ 35.26	\$ 35.26	\$ 35.26	\$ 35.26



## DEPARTMENT 5110 – FINANCE

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 356,345	\$ 357,354	477,507	426,851	\$ 547,595	\$ 621,995
6105 Administrative Staff	106,881	140,496	76,808	201,259	84,499	207,614
6110 Clerical staff	42,055	42,085	43,494	42,536	43,212	44,663
6130 Overtime	1,013	792	483	1,472	288	552
6201 T.M.R.S.	91,901	109,868	118,645	118,906	155,939	153,435
6205 F.I.C.A.	23,644	25,890	29,378	41,580	42,212	54,205
6206 Suta	-	2,355	7,623	-	-	-
6210 Medicare	7,317	7,777	8,637	9,724	10,933	12,677
6214 Dental Insurance	1,564	3,507	4,253	5,375	4,966	5,866
6215 Hospitalization insurance	45,886	56,465	64,788	83,919	88,500	108,897
6220 Life Insurance	535	458	453	740	552	942
6221 Long Term Disability Insurance	(295)	642	890	1,341	1,099	1,749
6225 Workers Compensation	13,552	13,832	15,308	16,766	19,459	21,857
6230 Vacation leave	(1,479)	1,171	18,633	8,564	52,641	10,842
6235 Sick leave	6,965	9,138	(73,938)	9,423	20,422	11,929
6242 Auto Benefits	9,000	9,346	9,000	9,000	11,077	16,500
6243 Telephone Benefits	-	-	-	-	1,551	3,360
6260 Vacancy Savings	-	-	-	(33,532)	-	(42,453)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>704,882</b>	<b>781,176</b>	<b>801,962</b>	<b>943,925</b>	<b>1,084,944</b>	<b>1,234,631</b>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	968	779	852	300	159	150
7110 Dues & memberships	4,543	3,302	2,358	3,000	1,291	2,400
7115 Educational material	357	-	-	-	-	-
7120 Office supplies	23,491	18,255	16,272	15,000	6,613	5,000
7130 Postage/shipping charges	422	587	574	500	238	500
7140 Training expenses	8,616	10,905	210	3,613	8,351	4,550
7145 Travel expenses	13,213	8,127	4,905	2,000	1,779	8,690
7147 Mileage Reimbursement (InTownExp)	45	29	17	-	-	-
7199 Miscellaneous office expenses	422	27	3,477	50	(262)	100
7225 Safety supplies	-	-	47	-	-	-
7299 Other materials & supplies	3,410	28	70	100	-	100
7315 Food, meals, ice, water	4,088	316	249	200	-	200
7325 Rental of equip/storage/land	7,255	6,677	5,265	6,000	7,119	13,000
7415 Fuels & lubricants	-	15	-	-	-	-
7601 Legal Fees	7,969	46,345	206,256	25,000	118,858	20,000
7605 Engineering fees	102,105	50,585	5,712	10,000	-	5,000
7610 Financial advisor services	131,850	45,000	130,388	75,000	86,527	75,000
7615 External auditor fees	56,500	56,500	15,155	85,000	117,201	88,000
7635 Software maintenance service fees	-	-	3,436	-	-	-
7699 Other services	48,965	57,411	134,135	60,000	153,299	60,000
7801 Communication equipment	-	-	-	-	235	-
7805 Computer equipment	530	-	225	1,000	-	-
7806 Software licenses-new	1,459	658	203	300	-	-
7820 Office furniture & equipment	2,382	234	704	500	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>418,590</b>	<b>305,780</b>	<b>530,511</b>	<b>287,563</b>	<b>501,407</b>	<b>282,690</b>
	<b>1,123,472</b>	<b>1,086,956</b>	<b>1,332,473</b>	<b>1,231,488</b>	<b>1,586,351</b>	<b>1,517,321</b>



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



**Department Responsibility:** Miguel A. Perez

**Title:** Chief Financial Officer

**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

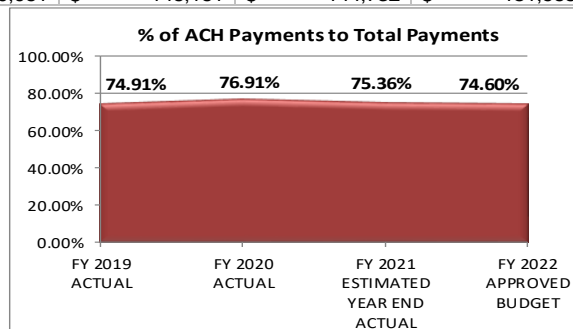
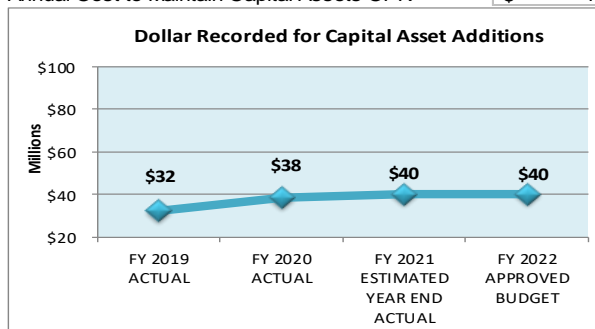
**OUTCOME MEASURES**

% 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 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
1,966	1,472	1,565	1,600
5,870	4,900	4,643	4,700
19,042	18,920	18,320	18,761
1,144	1,043	1,140	1,150
4,898	4,726	4,347	4,800
\$ 582,126,575	\$ 553,291,704	\$ 563,291,704	\$ 573,291,704
84%	75%	83%	85%
100%	100%	100%	100%
324	324	324	324
12	12	12	12
\$ 32,249,657	\$ 38,441,878	\$ 40,000,000	\$ 40,000,000
74.91%	76.91%	75.36%	74.60%
99.94%	99.91%	99.90%	99.92%
100.00%	100.00%	100.00%	100.00%
100.00%	100.00%	100.00%	100.00%
Yes	Yes	Yes	Yes
\$ 186,709	\$ 207,006	\$ 197,203	\$ 207,063
\$ 54,428	\$ 55,793	\$ 58,870	\$ 61,814
6.3	6.8	6.8	6.8
\$ 281,270	\$ 287,993	\$ 269,106	\$ 282,561
\$ 140,061	\$ 146,161	\$ 144,732	\$ 151,968



## DEPARTMENT 5120 - ACCOUNTING

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 303,618	\$ 296,380	\$ 306,710	\$ 304,579	\$ 210,709	\$ 215,130
6105 Administrative Staff	148,475	160,178	163,801	190,145	175,135	171,690
6110 Clerical staff	194,189	219,559	222,319	190,811	189,419	213,115
6130 Overtime	2,192	1,994	360	2,323	1,095	1,212
6201 T.M.R.S.	117,384	150,488	152,617	121,545	128,333	105,289
6205 F.I.C.A.	39,155	40,826	41,930	42,503	34,590	37,196
6206 Suta	-	464	-	-	-	-
6210 Medicare	9,173	9,557	9,806	9,940	8,089	8,699
6214 Dental Insurance	3,546	7,119	7,811	8,526	7,001	7,430
6215 Hospitalization insurance	105,073	115,033	121,556	134,987	120,904	131,400
6220 Life Insurance	728	654	624	803	539	702
6221 Long Term Disability Insurance	(1,145)	1,005	1,305	1,371	1,117	1,200
6225 Workers Compensation	18,075	17,316	17,632	17,138	14,838	14,998
6230 Vacation leave	4,038	3,375	15,470	8,754	(11,420)	7,211
6235 Sick leave	13,505	5,724	(38,236)	9,632	(10,466)	7,933
6240 Educational assistance	-	5,483	2,790	-	-	-
6242 Auto Benefits	7,500	7,788	7,500	7,500	288	-
6243 Telephone Benefits	1,680	1,745	1,680	1,680	65	-
6260 Vacancy Savings	-	-	-	(34,277)	-	(28,232)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>967,186</u>	<u>1,044,689</u>	<u>1,035,676</u>	<u>1,017,962</u>	<u>870,236</u>	<u>894,974</u>
<i>O&amp;M NON-PERSONNEL</i>						
7102 Sponsorships	-	-	115	-	-	-
7105 Books & periodicals	819	980	-	955	299	455
7110 Dues & memberships	3,666	1,999	1,249	580	1,239	580
7120 Office supplies	10,458	9,457	14,680	9,500	12,184	10,000
7130 Postage/shipping charges	103	195	128	200	201	200
7135 Telephone expenses	-	-	-	-	235	-
7140 Training expenses	3,975	2,993	1,189	2,500	7,049	3,190
7145 Travel expenses	2,153	7,221	1,247	3,000	-	3,390
7147 Mileage Reimbursement (InTownExp)	3	28	19	132	-	-
7225 Safety supplies	-	-	-	75	-	75
7299 Other materials & supplies	40	699	-	100	-	100
7301 Bad debt expense	-	-	-	-	-	-
7315 Food, meals, ice, water	1,134	692	343	873	70	500
7325 Rental of equip/storage/land	-	1,320	1,068	2,208	767	2,208
7335 Wearing apparel & dry goods	135	42	-	-	-	-
7605 Engineering fees	-	-	-	-	-	-
7635 Software maintenance service fees	4,142	8,914	3,205	6,189	3,924	3,189
7699 Other services	9,803	17,666	19,942	45,000	25,549	60,000
7805 Computer equipment	-	-	1,061	-	-	-
7806 Software licenses-new	113	131	608	400	-	-
7820 Office furniture & equipment	3,919	174	1,526	895	4,102	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>40,463</u>	<u>52,511</u>	<u>46,380</u>	<u>72,607</u>	<u>55,619</u>	<u>83,887</u>
	<b>1,007,649</b>	<b>1,097,200</b>	<b>1,082,056</b>	<b>1,090,569</b>	<b>925,855</b>	<b>978,861</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

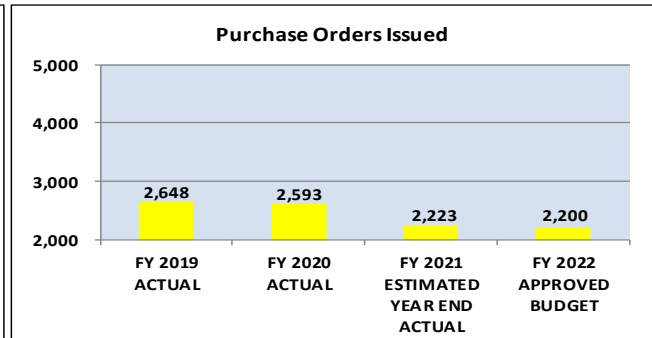
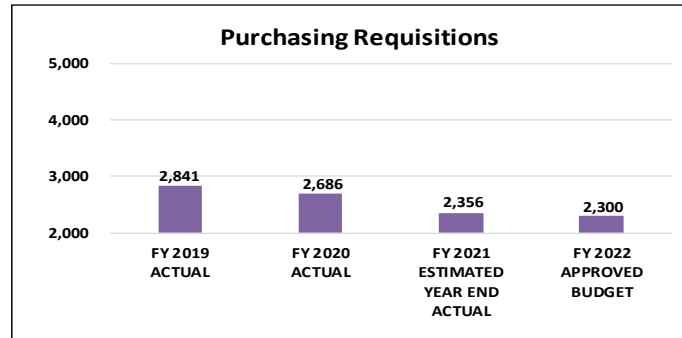
#### OUTCOME MEASURES

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 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
Employees	7	7	7	8
O&M Personnel Expenses	\$ 491,366	\$ 504,903	\$ 535,228	\$ 560,553
O&M Non-Personnel Expenses	\$ 65,625	\$ 59,010	\$ 76,384	\$ 60,500
Total O&M Expenses	\$ 556,991	\$ 563,913	\$ 611,612	\$ 621,053
Purchasing Requisitions	2,841	2,686	2,356	2,300
P-Card Cardholders	100	101	112	115
Purchase Orders Issued	2,648	2,593	2,223	2,200
P-Card Cardholders vs No. Employees	124 vs 591 (21%)	101 vs 589 (17%)	112 vs 572 (19%)	115 vs 575 (20%)
Checks Per Month (P-card usage)	50	105	350	40
Number of checks vs number of p card merchants	150 vs 645	125 vs 465	100 vs 400	100 vs 400



## DEPARTMENT 5130 – PURCHASING

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 84,469	\$ 84,794	\$ 87,790	\$ 87,214	\$ 87,550	\$ 91,575
6105 Administrative Staff	222,622	223,479	231,499	229,882	234,235	254,174
6110 Clerical staff	31,154	31,294	32,464	32,136	32,377	33,743
6130 Overtime	63	65	5	116	100	116
6201 T.M.R.S.	60,502	60,162	61,458	61,919	62,878	66,601
6205 F.I.C.A.	19,949	20,001	20,759	21,652	20,927	23,528
6206 Suta	5,698	-	-	-	-	-
6210 Medicare	4,666	4,678	4,855	5,064	4,894	5,503
6214 Dental Insurance	1,899	3,826	4,365	4,766	4,299	4,766
6215 Hospitalization insurance	58,411	59,117	63,828	71,127	69,162	78,240
6220 Life Insurance	389	330	319	410	320	439
6221 Long Term Disability Insurance	287	506	670	698	674	759
6225 Workers Compensation	8,458	8,491	8,794	8,731	8,857	9,487
6230 Vacation leave	2,569	(707)	9,855	4,460	5,929	4,615
6235 Sick leave	2,075	(4,668)	(21,758)	4,907	3,027	5,078
6260 Vacancy Savings	-	-	-	(17,462)	-	(18,071)
<i>O&amp;M PERSONNEL TOTAL</i>	503,210	491,366	504,903	515,620	535,228	560,553
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising	30,830	30,625	27,763	30,000	38,617	30,000
7105 Books & periodicals	219	-	231	315	-	215
7110 Dues & memberships	1,025	720	855	835	1,089	835
7120 Office supplies	3,419	3,618	3,282	4,000	2,924	3,000
7130 Postage/shipping charges	102	227	295	500	107	500
7140 Training expenses	795	675	-	900	786	-
7145 Travel expenses	1,737	757	144	-	-	-
7180 Utilities - departmental	10,967	10,720	8,628	9,000	4,879	-
7215 Laundry & janitorial supplies	112	257	132	300	-	300
7225 Safety supplies	-	-	33	150	17	200
7299 Other materials & supplies	1,724	728	1,641	1,000	1,230	1,000
7304 Hurricane Preparedness Expenses	-	-	-	-	-	-
7315 Food, meals, ice, water	200	180	462	300	79	300
7325 Rental of equip/storage/land	3,818	3,849	3,096	4,300	3,211	3,300
7415 Fuels & lubricants	119	137	274	-	188	-
7599 Maintenance / other	3,870	2,808	-	-	-	-
7635 Software maintenance service fees	8,747	8,747	11,532	10,395	20,401	20,000
7645 Maintenance services	-	-	265	-	-	-
7699 Other services	-	-	36	-	333	-
7805 Computer equipment	-	404	-	865	1,193	650
7806 Software licenses-new	113	131	-	-	-	-
7820 Office furniture & equipment	695	1,043	340	375	1,330	200
<i>O&amp;M NON-PERSONNEL TOTAL</i>	68,492	65,625	59,010	63,235	76,384	60,500
	571,702	556,991	563,913	578,855	611,612	621,053



Department Responsibility: **Monica Cavazos**

Title: **Area Manager**

Telephone Ext: **6172**

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

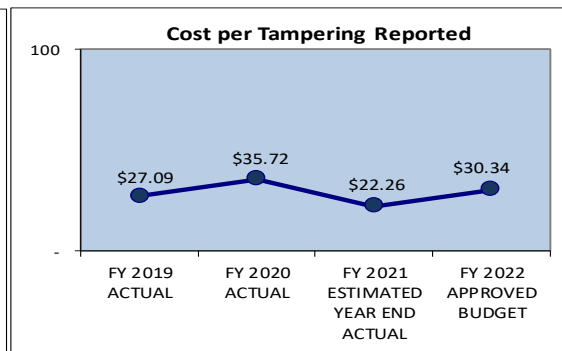
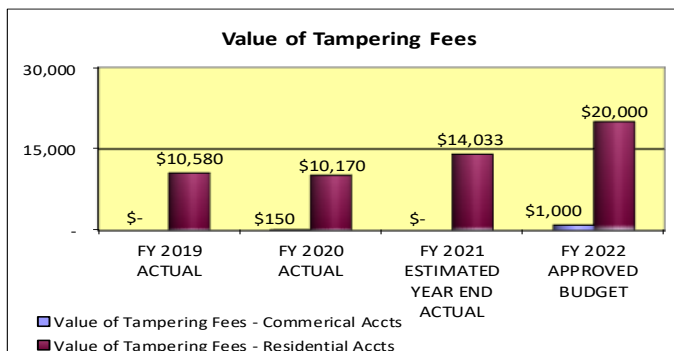
#### OUTCOME MEASURES

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 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 APPROVED BUDGET
Employees	3	3	3	3
O&M Personnel Expenses	\$ 196,438	\$ 217,021	\$ 217,490	\$ 226,840
O&M Non-Personnel Expenses	\$ 15,310	\$ 8,008	\$ 11,144	\$ 15,875
No. of Accounts Proactively Investigated	8,609	6,643	10,273	8,000
No. of Tampering Incidents Reported Internally	89	48	69	60
No. of Tampering Incidents Reported thru Hotline	2	3	1	5
Total Number of Tamperings Reported	91	51	70	65
No. of Tampering Incidents Confirmed	41	19	40	30
Value of Tampering Fees - Commerical Accts	\$ -	\$ 150	\$ -	\$ 1,000
Value of Backbillings - Commercial Accts	\$ -	\$ -	\$ -	\$ 3,000
Value of Tampering Fees - Residential Accts	\$ 10,580	\$ 10,170	\$ 14,033	\$ 20,000
Value of Backbillings - Residential Accts	\$ 15,562	\$ 15,191	\$ 3,959	\$ 100,000
Cost per Tampering Reported	\$ 27.09	\$ 35.72	\$ 22.26	\$ 30.34
Ratio of Revenue Recovered to Cost	\$ 1.71	\$ 1.81	\$ 12.71	\$ 1.96



## DEPARTMENT 5140 – REVENUE RECOVERY

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 51,813	\$ 52,012	\$ 53,851	\$ 53,498	\$ 53,703	\$ 56,172
6115 Operational staff	83,139	83,424	86,734	85,717	86,490	90,003
6130 Overtime	372	215	27	1,545	268	1,236
6201 T.M.R.S.	24,201	24,030	24,567	24,683	25,082	25,654
6205 F.I.C.A.	7,942	7,922	8,194	8,631	8,207	9,063
6210 Medicare	1,857	1,853	1,916	2,019	1,919	2,120
6214 Dental Insurance	814	1,649	1,904	2,103	1,897	2,103
6215 Hospitalization insurance	27,139	28,290	31,718	35,998	35,001	39,598
6220 Life Insurance	156	133	129	165	128	172
6221 Long Term Disability Insurance	114	203	267	278	266	292
6225 Workers Compensation	3,383	3,391	3,515	3,480	3,533	3,654
6230 Vacation leave	(196)	570	637	1,778	1,222	1,778
6235 Sick leave	(1,154)	(7,253)	3,562	1,956	(225)	1,956
6260 Vacancy Savings	-	-	-	(6,961)	-	(6,961)
<i>O&amp;M PERSONNEL TOTAL</i>	199,581	196,438	217,021	214,891	217,490	226,840
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	75	525	-	75	-	-
7120 Office supplies	352	1,020	186	1,400	708	500
7130 Postage/shipping charges			104		-	-
7140 Training expenses	400	425	-	825	-	325
7145 Travel expenses	1,303	56	-	992	-	865
7220 Medical supplies	-	-	-	100	-	-
7225 Safety supplies	92	529	112	3,435	1,281	1,022
7299 Other materials & supplies	6,350	4,571	2,768	6,000	4,256	9,395
7315 Food, meals, ice, water	52	46	81	578	44	438
7325 Rental of equip/storage/land	2,100	2,100	2,100	-	525	1,000
7335 Wearing apparel & dry goods	3,737	2,670	-	1,830	1,204	330
7415 Fuels & lubricants	3,759	3,367	2,658	3,000	3,126	2,000
7820 Office furniture & equipment	444	-	-	-	-	-
7835 Tools, shop and garage equipment	-	-	-	-	-	-
7899 Other minor tools & equipment	2,512	-	-	175	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	21,176	15,310	8,008	18,410	11,144	15,875
	220,757	211,748	225,029	233,301	228,634	242,715





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 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<b>O&amp;M PERSONNEL</b>						
6101 Supervision	\$ 136,677	\$ 137,202	\$ 142,060	\$ 141,128	\$ 141,671	\$ 148,184
6110 Clerical staff	59,225	59,632	61,669	60,507	61,737	63,533
6130 Overtime	397	368	403	436	2,438	818
6201 T.M.R.S.	36,747	36,622	37,268	35,750	38,217	37,156
6205 F.I.C.A.	11,598	11,630	12,266	12,501	12,389	13,126
6210 Medicare	2,939	2,950	3,056	2,924	3,098	3,070
6214 Dental Insurance	813	1,393	1,515	1,653	1,425	1,451
6215 Hospitalization insurance	20,398	22,114	23,983	26,876	24,942	25,928
6220 Life Insurance	215	182	175	228	174	237
6221 Long Term Disability Insurance	165	269	346	403	344	423
6225 Workers Compensation	5,137	5,168	5,333	5,041	5,383	5,293
6230 Vacation leave	2,573	1,357	4,110	2,575	5,436	2,575
6235 Sick leave	1,430	878	(11,270)	2,833	(711)	2,833
6242 Auto Benefits	7,500	7,788	7,500	7,500	7,212	7,500
6243 Telephone Benefits	1,680	1,745	1,680	1,680	1,616	1,680
6260 Vacancy Savings	-	-	-	(10,082)	-	(10,082)
<b>O&amp;M PERSONNEL TOTAL</b>	<b>287,493</b>	<b>289,298</b>	<b>290,093</b>	<b>291,953</b>	<b>305,369</b>	<b>303,726</b>
<b>O&amp;M NON-PERSONNEL</b>						
7105 Books & periodicals	-	-	-	300	-	-
7110 Dues & memberships	1,500	1,500	1,522	1,500	1,500	1,500
7120 Office supplies	1,111	1,028	368	700	1,036	700
7130 Postage/shipping charges	-	-	-	50	-	50
7140 Training expenses	1,980	825	1,319	2,000	450	1,350
7145 Travel expenses	7,299	5,179	3,345	4,000	1,943	3,450
7299 Other materials & supplies	-	-	-	-	-	-
7315 Food, meals, ice, water	352	235	278	200	-	200
7325 Rental of equip/storage/land	1,930	648	470	800	231	800
7348 Customer Assistance Program	20,695	15,029	35,033	30,000	46,694	30,000
7601 Legal Fees	11,946	18,569	10,659	16,000	18,536	16,000
7645 Maintenance services	-	-	-	500	-	-
7699 Other services	-	35,814	14,000	25,000	28,749	25,000
7806 Software licenses-new	-	-	340	-	-	-
<b>O&amp;M NON-PERSONNEL TOTAL</b>	<b>46,813</b>	<b>78,825</b>	<b>67,333</b>	<b>81,050</b>	<b>99,138</b>	<b>79,050</b>
	<b>334,306</b>	<b>368,123</b>	<b>357,426</b>	<b>373,003</b>	<b>404,507</b>	<b>382,776</b>



**Department Responsibility:** Eduardo Campirano Jr.  
**Title:** Customer Service Manager  
**Telephone Ext:** 6242  
**Dept. No:** 6110

**PERFORMANCE MEASURES  
FOR THE  
CUSTOMER SERVICE DEPARTMENT**

**Department Function:**

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

**Department Goals/Objectives:**

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

**INPUT MEASURES**

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

**OUTPUT MEASURES**

Walk In/New Connects - 2020 COVID - Remote activity  
 Online/Fax/Email Requests  
 Total for Department

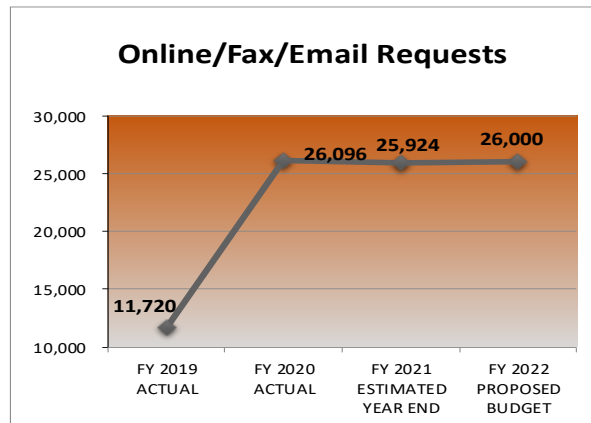
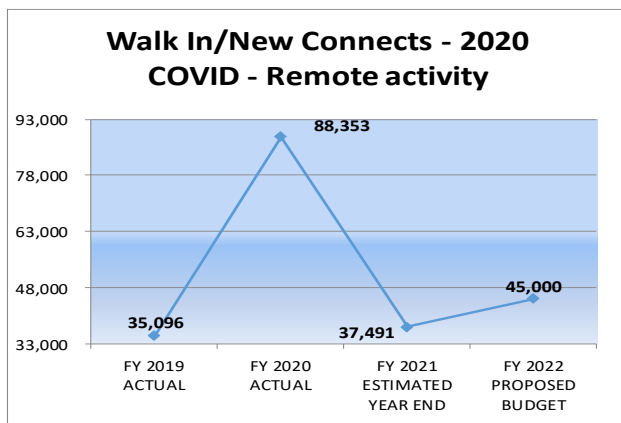
**OUTCOME MEASURES**

Number of Accounts  
 Average Wait Time in Minutes

**EFFICIENCY MEASURES**

Cost Per Transaction  
 Transactions per FTE

FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END	FY 2022 PROPOSED BUDGET
14	14	14	14
\$ 764,736	\$ 819,740	\$ 880,501	\$ 839,257
\$ 81,724	\$ 22,527	\$ 63,823	\$ 55,420
\$ 846,460	\$ 842,267	\$ 944,324	\$ 894,677
35,096	88,353	37,491	45,000
11,720	26,096	25,924	26,000
46,816	114,449	63,415	71,000
66,629	68,095	68,979	69,100
10	10	10	10
\$ 18.08	\$ 7.36	\$ 14.89	\$ 12.60
3,344	8,175	4,530	5,071



## DEPARTMENT 6110 - CUSTOMER SERVICE

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 130,332	\$ 124,400	\$ 135,234	\$ 134,347	\$ 133,091	\$ 141,065
6110 Clerical staff	395,741	388,736	417,158	384,139	408,816	404,871
6130 Overtime	1,552	1,609	5,661	2,064	12,888	4,383
6201 T.M.R.S.	94,369	92,389	98,121	91,928	108,249	95,812
6205 F.I.C.A.	31,422	30,835	33,188	32,146	35,968	33,848
6206 Suta			1,888		466	
6210 Medicare	7,349	7,211	7,762	7,518	8,412	7,916
6214 Dental Insurance	3,753	6,272	7,252	7,685	7,137	7,685
6215 Hospitalization insurance	102,510	105,460	120,230	130,946	131,420	140,404
6220 Life Insurance	624	524	524	633	514	658
6221 Long Term Disability Insurance	393	718	977	961	956	1,016
6225 Workers Compensation	13,403	13,141	14,040	12,962	15,298	13,648
6230 Vacation leave	3,037	1,383	7,971	6,621	12,065	6,638
6235 Sick leave	6,545	(9,705)	(27,646)	7,285	5,221	7,303
6240 Educational assistance	8,494	1,762	(2,620)	5,000		
6260 Vacancy Savings	-	-	-	(25,924)		(25,989)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>799,524</u>	<u>764,736</u>	<u>819,740</u>	<u>798,309</u>	<u>880,501</u>	<u>839,257</u>
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	-	60	22	420	10	420
7120 Office supplies	3,638	4,490	5,778	7,250	6,736	7,250
7125 Photo equipment/supplies			300			
7130 Postage/shipping charges	-	-	201	250		250
7140 Training expenses	3,020	755	1,020	-		750
7145 Travel expenses	3,993	1,516	2,318	-		1,750
7299 Other materials & supplies	1	-	-	-		
7315 Food, meals, ice, water	969	1,129	939	-	78	1,000
7325 Rental of equip/storage/land	3,614	4,009	3,338	4,500	4,712	4,500
7645 Maintenance services	-	-	-	-		
7699 Other services	71,429	66,100	6,668	55,000	50,678	39,500
7820 Office furniture & equipment	3,361	3,664	1,945	3,500	1,609	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>90,027</u>	<u>81,724</u>	<u>22,527</u>	<u>70,920</u>	<u>63,823</u>	<u>55,420</u>
	<b>889,551</b>	<b>846,460</b>	<b>842,267</b>	<b>869,229</b>	<b>944,324</b>	<b>894,677</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

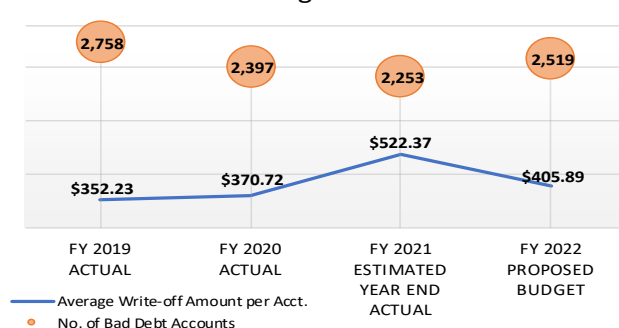
#### EFFICIENCY MEASURES

Average Write-off Amount per Acct.

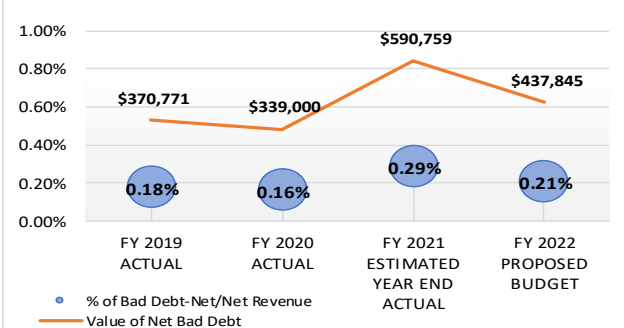
% of Bad Debt-Net/Net Revenue

	FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 PROPOSED BUDGET
FTE	4	4	4	4
O&M Personnel Expenses	\$ 208,048	\$ 213,663	\$ 235,449	\$ 247,935
O&M Non-Personnel Expenses	\$ 442,945	\$ 244,046	\$ 610,590	\$ 510,100
Total O&M Expenses	\$ 650,993	\$ 457,709	\$ 846,039	\$ 758,035
No. of Service Orders Reviewed	23,298	9,264	12,780	22,644
No. of Accounts Billed	794,045	808,558	823,661	838,881
No. of Returned Checks	2,235	1,848	1,493	1,914
No. of Bad Debt Accounts	2,758	2,397	2,253	2,519
Value of Billed Accounts	\$ 205,301,657	\$ 207,198,319	\$ 205,719,833	\$ 208,134,002
Value of Returned Checks	\$ 880,537	\$ 746,089	\$ 741,164	\$ 797,156
Value of Returned Check Fees	\$ 49,554	\$ 42,600	\$ 36,858	\$ 43,434
Value of Bad Debt	\$ 971,453	\$ 888,616	\$ 1,176,903	\$ 1,022,447
Value of Bad Debt Collected	\$ 600,682	\$ 549,616	\$ 586,144	\$ 584,602
Value of Net Bad Debt	\$ 370,771	\$ 339,000	\$ 590,759	\$ 437,845
Average Write-off Amount per Acct.	\$ 352.23	\$ 370.72	\$ 522.37	\$ 405.89
% of Bad Debt-Net/Net Revenue	0.18%	0.16%	0.29%	0.21%

Bad Debt Accouts & Avg Amount



Net Bad Debt



## DEPARTMENT 6115 – COLLECTIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 42,016	\$ 63,517	\$ 84,337	\$ 83,242	\$ 83,724	\$ 87,404
6110 Clerical staff	61,844	55,564	65,551	64,854	65,495	68,097
6130 Overtime	469	617	70	1,466	861	1,466
6201 T.M.R.S.	18,658	24,561	26,200	26,257	26,638	27,290
6205 F.I.C.A.	6,030	8,117	8,645	9,182	8,601	9,641
6206 Suta	-	-	2,075	-	-	-
6210 Medicare	1,410	1,898	2,022	2,147	2,011	2,255
6214 Dental Insurance	812	1,687	2,340	2,587	2,332	2,587
6215 Hospitalization insurance	24,937	28,038	38,625	43,855	42,629	48,241
6220 Life Insurance	127	124	145	183	144	190
6221 Long Term Disability Insurance	88	186	285	296	283	311
6225 Workers Compensation	2,608	3,462	3,749	3,702	3,752	3,888
6230 Vacation leave	799	4,495	3,828	1,891	(1,021)	1,891
6235 Sick leave	1,497	15,781	(24,209)	2,081	-	2,081
6260 Vacancy Savings	-	-	-	(7,405)	-	(7,405)
<i>O&amp;M PERSONNEL TOTAL</i>	161,296	208,048	213,663	234,339	235,449	247,935
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	105	270	120	400	-	400
7120 Office supplies	432	411	-	600	213	500
7130 Postage/shipping charges	-	-	-	-	-	-
7140 Training expenses	-	199	-	-	-	-
7145 Travel expenses	-	-	-	-	-	-
7299 Other materials & supplies	523	493	122	600	413	500
7301 Bad debt expense	284,596	405,823	243,990	300,000	609,710	500,000
7302 Bankruptcy expenses	-	(326)	(2,024)	-	(1,284)	1,500
7315 Food, meals, ice, water	114	124	79	200	-	200
7601 Legal Fees	-	34,545	1,758	7,000	1,538	7,000
7699 Other services	-	-	-	-	-	-
7820 Office furniture & equipment	-	1,406	-	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	285,770	442,945	244,046	308,800	610,590	510,100
	447,066	650,993	457,709	543,139	846,039	758,035



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 Mailed

#### OUTCOME MEASURES

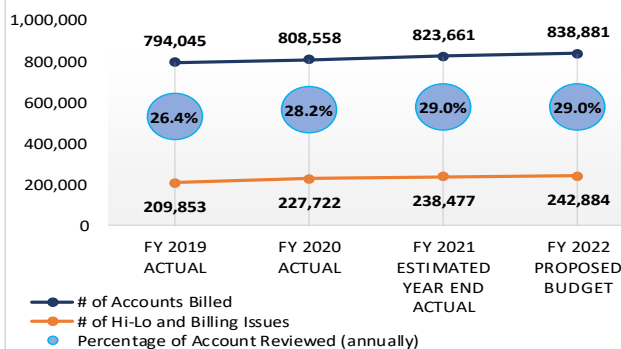
Value of Accounts Billed  
 Percentage of account billed on time

#### EFFICIENCY MEASURES

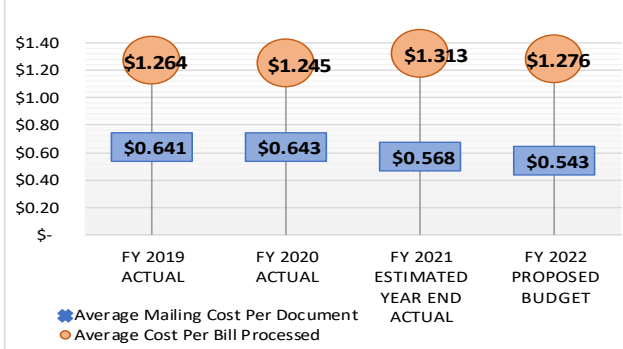
Average Cost Per Bill Processed  
 Average Mailing Cost Per Document  
 Percentage of Account Reviewed (annually)  
 Accounts Billed Per FTE (monthly)  
 Hi Lo & Billing Issues Per FTE (monthly)

	FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 PROPOSED BUDGET
FTE	8	9	9	9
Personnel O&M Costs	\$ 520,463	\$ 535,289	\$ 558,824	\$ 588,282
Non-Personnel O&M Costs	\$ 482,989	\$ 471,567	\$ 523,042	\$ 482,390
Total O&M Costs	\$ 1,003,452	\$ 1,006,856	\$ 1,081,866	\$ 1,070,672
# of Accounts Billed	794,045	808,558	823,661	838,881
# of Hi-Lo and Billing Issues	209,853	227,722	238,477	242,884
# of Bills/Reminders Mailed	758,787	724,556	776,306	751,729
Value of Accounts Billed	\$ 205,301,657	\$ 207,198,319	\$ 205,719,833	\$ 208,134,002
Percentage of account billed on time	100%	100%	100%	100%
Average Cost Per Bill Processed	\$ 1.264	\$ 1.245	\$ 1.313	\$ 1.276
Average Mailing Cost Per Document	\$ 0.641	\$ 0.643	\$ 0.568	\$ 0.543
Percentage of Account Reviewed (annually)	26.4%	28.2%	29.0%	29.0%
Accounts Billed Per FTE (monthly)	8,271	7,487	7,626	7,767
Hi Lo & Billing Issues Per FTE (monthly)	2,186	2,109	2,208	2,249

Accounts Billed Annually



Accounts Billed Per FTE (monthly)



## DEPARTMENT 6120 – BILLING

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 51,792	\$ 119,124	\$ 129,100	\$ 128,253	\$ 128,746	\$ 134,665
6110 Clerical staff	185,544	184,781	201,249	198,931	200,502	208,878
6115 Operational staff	26,306	26,369	27,502	27,019	27,170	28,370
6130 Overtime	1,822	1,365	222	4,007	1,562	4,074
6201 T.M.R.S.	47,478	58,740	62,560	62,800	63,690	65,271
6205 F.I.C.A.	15,409	19,207	20,746	21,961	20,668	23,059
6210 Medicare	3,604	4,492	4,852	5,136	4,834	5,393
6214 Dental Insurance	2,169	4,300	5,006	5,533	4,989	5,533
6215 Hospitalization insurance	64,061	75,819	87,098	98,873	96,123	108,760
6220 Life Insurance	324	308	340	432	340	449
6221 Long Term Disability Insurance	219	428	676	708	677	744
6225 Workers Compensation	6,637	8,308	9,006	8,855	9,053	9,298
6230 Vacation leave	5,091	2,240	8,582	4,523	1,402	4,523
6235 Sick leave	8,155	14,329	(23,813)	4,977	(4,190)	4,977
6240 Educational assistance	-	654	2,163	2,000	3,257	2,000
6260 Vacancy Savings	-	-	-	(17,710)	-	(17,710)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>418,609</u>	<u>520,463</u>	<u>535,289</u>	<u>556,297</u>	<u>558,824</u>	<u>588,282</u>
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	710	420	225	795	180	500
7120 Office supplies	589	988	697	1,000	849	1,000
7130 Postage/shipping charges	318,741	321,275	297,798	345,000	92,152	25,000
7140 Training expenses	198	2,700	650	2,080	-	9,590
7145 Travel expenses	-	2,282	3,267	-	-	-
7299 Other materials & supplies	66,515	56,871	75,421	68,000	19,336	3,500
7315 Food, meals, ice, water	341	301	158	300	-	300
7325 Rental of equip/storage/land	80,648	86,132	84,779	86,500	17,373	12,000
7335 Wearing apparel & dry goods	169	170	11	500	190	500
7415 Fuels & lubricants	1,974	2,319	1,078	3,500	2,080	3,500
7635 Software maintenance service fees	5,795	6,045	6,245	6,500	6,245	6,500
7645 Maintenance services	-	-	-	-	384,218	420,000
7801 Communication equipment	-	-	-	500	-	-
7805 Computer equipment	-	300	-	-	-	-
7820 Office furniture & equipment	-	3,186	1,239	-	420	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>475,680</u>	<u>482,989</u>	<u>471,567</u>	<u>514,675</u>	<u>523,042</u>	<u>482,390</u>
	<b>894,289</b>	<b>1,003,452</b>	<b>1,006,856</b>	<b>1,070,972</b>	<b>1,081,866</b>	<b>1,070,672</b>



**Department Responsibility:** Eduardo Campirano Jr.  
**Title:** Customer Service Manager  
**Telephone Ext:** 6242  
**Dept. No:** 6125

**PERFORMANCE MEASURES  
FOR THE  
CALL CENTER DEPARTMENT**

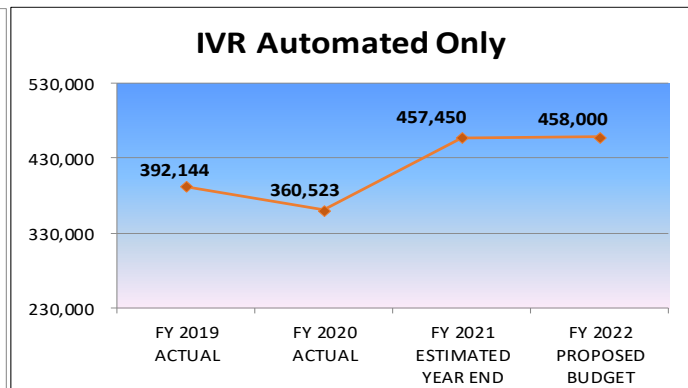
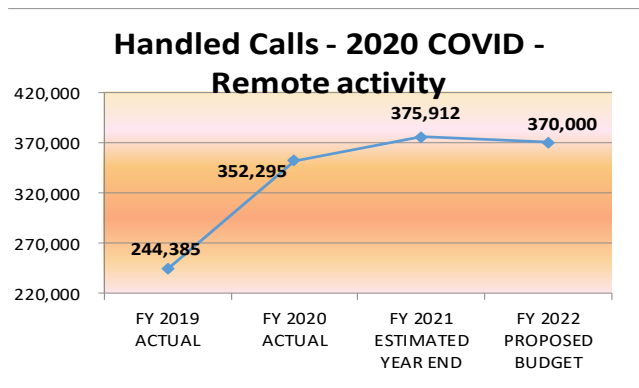
**Department Function:**

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 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END	FY 2022 PROPOSED BUDGET
<b>INPUT MEASURES</b>				
FTE's	12	12	12	12
Personnel O & M Expenses	\$ 609,135	\$ 617,104	\$ 684,562	\$ 718,354
Non Personnel O & M Expenses	\$ 9,292	\$ 62,382	\$ 26,409	\$ 29,940
Total O & M Expenses	\$ 618,497	\$ 679,486	\$ 710,971	\$ 748,294
<b>OUTPUT MEASURES</b>				
Handled Calls - 2020 COVID - Remote activity	244,385	352,295	375,912	370,000
IVR Automated Only	392,144	360,523	457,450	458,000
Total Calls	636,529	712,818	833,362	828,000
<b>OUTCOME MEASURES</b>				
Number of Accounts	66,629	68,095	68,979	69,100
Average Wait Time in Minutes	2	2	2	2
<b>EFFICIENCY MEASURES</b>				
Average Cost Per Call	\$ 0.97	\$ 0.95	\$ 0.85	\$ 0.90
Transactions Handled per Agent	20,365	29,358	31,326	30,833





## DEPARTMENT 6125 - CALL CENTER

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 50,960	\$ 51,156	\$ 52,971	\$ 52,624	\$ 52,826	\$ 55,255
6110 Clerical staff	328,586	330,936	347,358	361,733	356,932	385,214
6130 Overtime	2,011	1,640	3,785	3,075	10,573	5,144
6201 T.M.R.S.	68,283	68,252	70,778	73,465	74,719	77,302
6205 F.I.C.A.	21,902	21,686	22,685	25,690	23,795	27,309
6206 Suta	-	-	183	-	-	-
6210 Medicare	5,122	5,072	5,305	6,008	5,565	6,387
6214 Dental Insurance	3,234	6,374	7,382	8,038	6,931	7,837
6215 Hospitalization insurance	99,663	107,070	122,020	135,267	128,521	148,794
6220 Life Insurance	464	404	399	517	404	543
6221 Long Term Disability Insurance	324	567	772	829	787	881
6225 Workers Compensation	9,550	9,650	10,339	10,359	10,731	11,012
6230 Vacation leave	2,745	2,073	8,574	5,291	3,027	5,357
6235 Sick leave	5,017	4,255	(38,580)	5,822	2,831	5,894
6240 Educational assistance	-	-	3,133	10,800	6,921	2,400
6260 Vacancy Savings	-	-	-	(20,718)	-	(20,975)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>597,861</u>	<u>609,135</u>	<u>617,104</u>	<u>678,801</u>	<u>684,562</u>	<u>718,354</u>
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	-	30	-	120	-	120
7120 Office supplies	2,143	2,480	1,857	2,500	1,767	2,500
7125 Photo equipment/supplies	-	18	-	-	-	-
7130 Postage/shipping charges	-	-	-	100	-	100
7140 Training expenses	-	680	325	-	-	900
7145 Travel expenses	-	1,536	1,054	-	-	2,000
7299 Other materials & supplies	1	-	-	-	-	-
7315 Food, meals, ice, water	979	1,008	414	225	-	500
7645 Maintenance services	-	-	-	-	-	-
7699 Other services	-	-	58,732	30,000	23,033	21,900
7820 Office furniture & equipment	2,942	3,540	-	2,850	1,609	1,920
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>6,065</u>	<u>9,292</u>	<u>62,382</u>	<u>35,795</u>	<u>26,409</u>	<u>29,940</u>
	<b>603,926</b>	<b>618,427</b>	<b>679,486</b>	<b>714,596</b>	<b>710,971</b>	<b>748,294</b>



**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 (SO) Completed  
 # of Disconnections For Non-Payment  
 # of Reconnects For Non-Payment  
 # of Reconnect Services

#### OUTCOME MEASURES

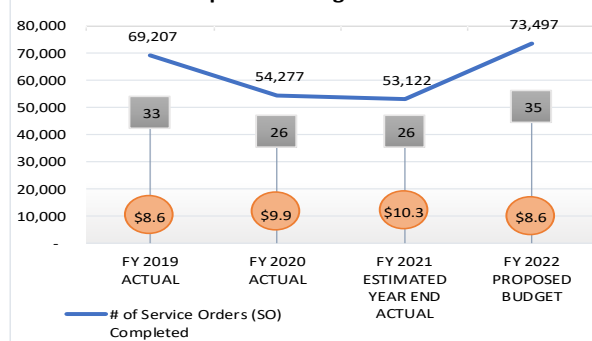
Value of Reconnect Fees  
 Value of Reconnect Services  
 Accumulated Value

#### EFFICIENCY MEASURES

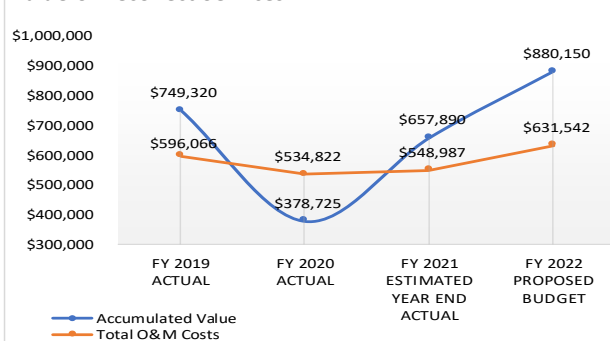
Average SO Resolved per FTE per day  
 Cost Per Service Order

	FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 PROPOSED BUDGET
FTE	9	9	9	9
Personnel O&M Costs	\$ 527,258	\$ 476,938	\$ 495,716	\$ 570,414
Non-Personnel O&M Costs	\$ 68,808	\$ 57,884	\$ 53,271	\$ 61,128
Total O&M Costs	\$ 596,066	\$ 534,822	\$ 548,987	\$ 631,542
# of Service Orders (SO) Completed	69,207	54,277	53,122	73,497
# of Disconnections For Non-Payment	14,155	7,000	15,445	17,874
# of Reconnects For Non-Payment	12,377	6,190	10,849	14,555
# of Reconnect Services	268	293	278	274
Value of Reconnect Fees	\$ 742,620	\$ 371,400	\$ 650,940	\$ 873,300
Value of Reconnect Services	\$ 6,700	\$ 7,325	\$ 6,950	\$ 6,850
Accumulated Value	\$ 749,320	\$ 378,725	\$ 657,890	\$ 880,150
Average SO Resolved per FTE per day	33	26	26	35
Cost Per Service Order	\$ 8.61	\$ 9.85	\$ 10.33	\$ 8.59

Service Orders Completed & Avg Cost



Value of Reconnect Services



## DEPARTMENT 6130 – METER SERVICES

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 28,877	\$ 47,105	\$ 46,525	\$ 48,443	\$ 46,053	\$ 48,310
6115 Operational staff	267,902	286,440	295,318	287,331	261,279	304,279
6130 Overtime	10,965	9,019	1,621	11,811	6,730	15,333
6201 T.M.R.S.	60,860	60,371	60,811	59,533	56,648	61,879
6205 F.I.C.A.	20,328	19,849	20,042	20,818	18,345	21,861
6210 Medicare	4,754	4,642	4,687	4,869	4,290	5,113
6214 Dental Insurance	2,221	4,978	5,888	6,711	5,319	6,385
6215 Hospitalization insurance	61,204	74,520	86,511	101,781	85,244	105,124
6220 Life Insurance	347	333	319	414	289	428
6221 Long Term Disability Insurance	241	487	628	672	570	705
6225 Workers Compensation	8,514	8,520	8,701	8,394	7,979	8,815
6230 Vacation leave	5,694	7,477	(2,566)	4,288	1,858	4,307
6235 Sick leave	10,289	3,517	(51,546)	4,718	1,112	4,739
6260 Vacancy Savings	-	-	-	(16,789)		(16,865)
<i>O&amp;M PERSONNEL TOTAL</i>	<b>482,196</b>	<b>527,258</b>	<b>476,938</b>	<b>542,993</b>	<b>495,716</b>	<b>570,414</b>
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	-	75	75	420		100
7120 Office supplies	1,126	818	1,243	1,800	553	1,100
7140 Training expenses	9,500	1,180	-	2,000		750
7145 Travel expenses	-	-	3,277	2,000		2,540
7180 Utilities - departmental	-	-	930	-		5,449
7225 Safety supplies	790	2,138	4,048	5,000	2,246	5,000
7299 Other materials & supplies	10,761	13,289	15,561	14,000	10,688	14,000
7315 Food, meals, ice, water	606	439	174	400		400
7325 Rental of equip/storage/land	7,786	7,786	7,390	8,511	5,769	
7335 Wearing apparel & dry goods	19,853	12,993	1,640	6,289	3,971	6,289
7415 Fuels & lubricants	23,114	24,505	19,620	25,000	26,020	20,000
7505 Maint. of communication equipment	-	878	238	2,500	439	1,000
7635 Software maintenance service fees	1,824	2,731	2,763	4,000	3,108	3,000
7699 Other services	-	-	563	500		500
7835 Tools, shop and garage equipment	-	-	-	500	163	-
7899 Other minor tools & equipment	-	1,977	361	1,000	315	1,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<b>75,361</b>	<b>68,808</b>	<b>57,884</b>	<b>73,920</b>	<b>53,271</b>	<b>61,128</b>
	<b>557,557</b>	<b>596,066</b>	<b>534,822</b>	<b>616,913</b>	<b>548,987</b>	<b>631,542</b>



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

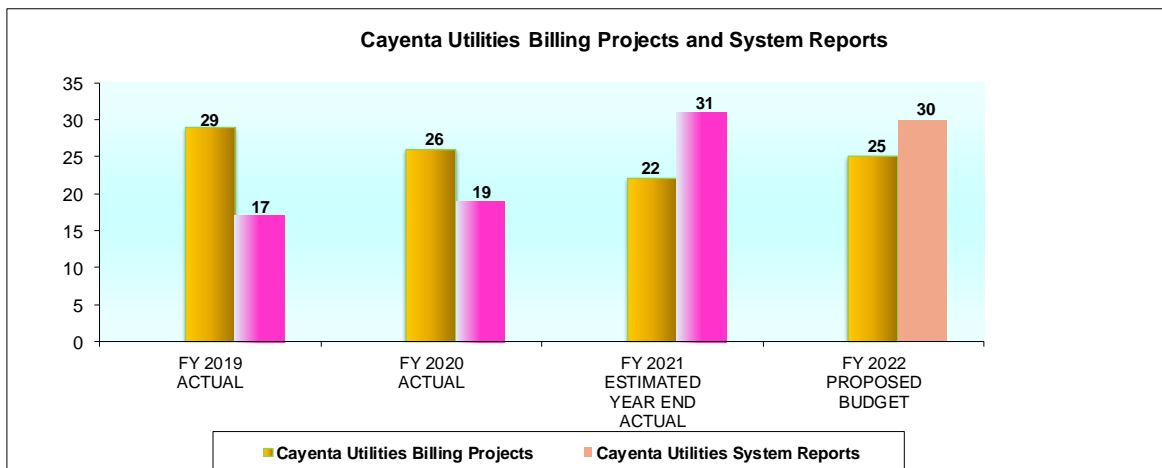
**OUTPUT MEASURES**

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 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 PROPOSED BUDGET
3	3	3	3
\$ 459,593	\$ 470,172	\$ 463,168	\$ 493,985
29	26	22	25
17	19	31	30
100%	100%	100%	100%
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes



## DEPARTMENT 6135 – CIS SUPPORT

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 85,323	\$ 85,441	\$ 89,310	\$ 87,880	\$ 88,218	\$ 92,274
6110 Clerical staff	86,102	86,560	91,550	88,483	89,602	92,907
6130 Overtime	644	399	236	3,829	518	3,829
6201 T.M.R.S.	30,772	30,540	31,640	31,269	31,652	32,499
6205 F.I.C.A.	10,380	10,264	10,861	10,935	10,628	11,481
6210 Medicare	2,428	2,400	2,540	2,557	2,486	2,685
6214 Dental Insurance	814	1,415	1,497	1,653	1,490	1,653
6215 Hospitalization insurance	20,432	22,889	22,930	26,876	26,131	29,563
6220 Life Insurance	191	160	156	202	155	211
6221 Long Term Disability Insurance	144	256	339	353	337	370
6225 Workers Compensation	4,302	4,310	4,527	4,409	4,458	4,630
6230 Vacation leave	(317)	1,788	4,207	2,252	799	2,252
6235 Sick leave	(5,799)	(737)	(6,664)	2,478	2,704	2,478
6260 Vacancy Savings	-	-	-	(8,818)		(8,818)
<i>O&amp;M PERSONNEL TOTAL</i>	235,414	245,685	253,129	254,357	259,178	268,014
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	165	180	45	200	90	200
7120 Office supplies	729	1,062	2,234	1,800	327	1,000
7130 Postage/shipping charges	-	-	-	100	-	100
7140 Training expenses	4,026	3,225	-	-	5,000	-
7145 Travel expenses	4,794	3,797	2,546	-	-	-
7299 Other materials & supplies	402	2,602	13	500	86	300
7315 Food, meals, ice, water	38	440	350	600	-	300
7635 Software maintenance service fees	140,730	168,275	200,380	220,000	182,917	204,071
7699 Other services	12,668	34,328	1,680	25,000	15,570	20,000
7820 Office furniture & equipment	1,368	-	3,944	-	-	-
7899 Other minor tools & equipment	-	-	5,851	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	164,920	213,908	217,043	248,200	203,990	225,971
	400,334	459,593	470,172	502,557	463,168	493,985



Department Responsibility: **Eduardo Campirano Jr.**

Title: **Customer Service Manager**

Telephone Ext: **6242**

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

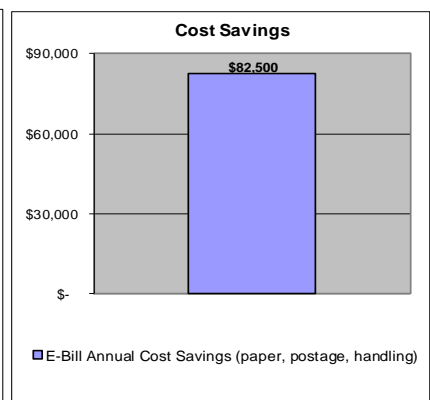
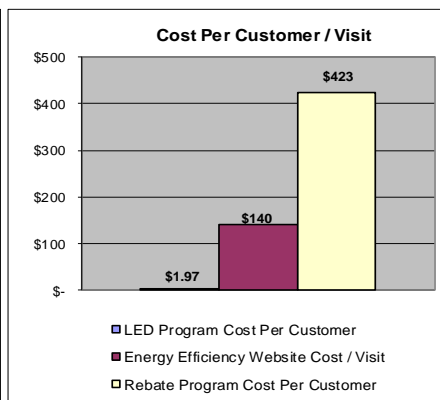
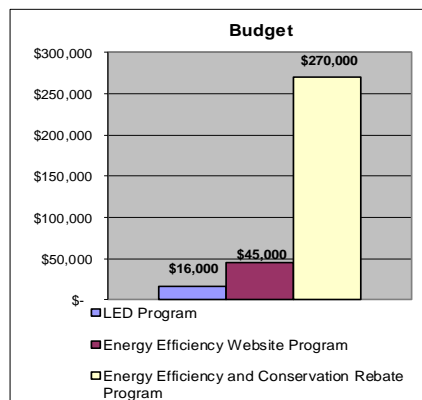
**OUTCOME MEASURES**

E-Bill Environmental Impact (sheets, envelopes saved)

**EFFICIENCY MEASURES**

LED Program Cost Per Customer  
Energy Efficiency Website Cost / Visit  
Rebate Program Cost Per Customer  
E-Bill Annual Cost Savings (paper, postage, handling)

FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 PROPOSED BUDGET
1	1	1	1
\$ 37,500	\$ 37,500	\$ 28,000	\$ 16,000
\$ 28,000	\$ 28,000	\$ 28,000	\$ 45,000
\$ 235,000	\$ 200,000	\$ 290,000	\$ 270,000
\$ 220,000	\$ 200,000	\$ 110,000	\$ 110,000
\$ 455,000	\$ 400,000	\$ 400,000	\$ 380,000
\$ -	\$ -	\$ -	\$ -
160	190	101	200
5,471	7,000	8,500	7,500
767	850	800	900
-	-	-	-
155,820	183,048	146,760	150,000
\$ 1.97	\$ 1.97	\$ 1.97	\$ 1.97
\$ 175	\$ 147	\$ 277	\$ 140
\$ 593	\$ 471	\$ 500	\$ 423
\$ 197,890	\$ 232,470	\$ 80,718	\$ 82,500



## DEPARTMENT 6145 – ENERGY EFFICIENCY & CONSERVATION

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6105 Administrative Staff	\$ 48,650	\$ 48,838	\$ 50,564	\$ 50,232	\$ 50,425	\$ 52,744
6201 T.M.R.S.	8,701	8,651	8,834	8,906	8,950	9,257
6205 F.I.C.A.	2,817	2,845	2,847	3,114	2,789	3,270
6210 Medicare	659	665	666	728	652	765
6214 Dental Insurance	272	538	620	685	618	685
6215 Hospitalization insurance	8,438	8,785	11,882	14,071	13,683	15,478
6220 Life Insurance	56	47	46	59	46	61
6221 Long Term Disability Insurance	41	74	96	100	96	105
6225 Workers Compensation	1,216	1,221	1,264	1,256	1,261	1,319
6230 Vacation leave	141	842	(329)	641	821	641
6235 Sick leave	1,289	795	(5,936)	706	-	706
6260 Vacancy Savings	-	-	-	(2,512)	-	(2,512)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>72,279</i>	<i>73,302</i>	<i>70,553</i>	<i>77,987</i>	<i>79,340</i>	<i>82,519</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	100	-	-
7110 Dues & memberships	-	-	-	100	-	-
7120 Office supplies	149	155	-	300	-	200
7130 Postage/shipping charges	-	-	-	500	-	-
7140 Training expenses	-	-	-	400	-	400
7145 Travel expenses	-	1,054	-	300	-	300
7299 Other materials & supplies	-	-	-	-	-	-
7315 Food, meals, ice, water	13	-	14	100	-	-
7340 Promo Exp-Enrgy Efficiency & Consv	23,859	17,275	13,400	25,000	15,722	16,000
7345 Rebate Exp-Enrgy Efficiency & Cnsrv	263,060	265,537	231,916	195,000	311,320	220,000
7346 Water Efficiency Program	5,986	-	-	7,000	-	2,000
7347 Commercial & Industrial Rebate Prog	151,386	189,137	128,488	170,000	52,586	115,000
7415 Fuels & lubricants	48	281	223	500	145	500
7635 Software maintenance service fees	27,250	27,250	27,250	28,000	27,250	30,000
7699 Other services	-	46,250	44,375	45,000	52,750	45,000
7805 Computer equipment	-	-	-	800	-	-
7820 Office furniture & equipment	-	-	-	500	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>471,750</i>	<i>546,939</i>	<i>445,666</i>	<i>473,600</i>	<i>459,773</i>	<i>429,400</i>
	<b>544,029</b>	<b>620,241</b>	<b>516,219</b>	<b>551,587</b>	<b>539,113</b>	<b>511,919</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 responsible for providing reliable and timely reads on electric and water meters anywhere on the BPUB area of service including Brownsville City limits and extraterritorial jurisdictions (ETJ). All meters are read once a month on walking routes. Also assist the pre-billing reads validation which consist of a third verification of the meter read requested when the read is inconsistent with the customer's consumption history.

#### Department Goals/Objectives:

The departmental goals include scheduling and performing daily 100% accurate meter reads in observance to the billing schedule

#### 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

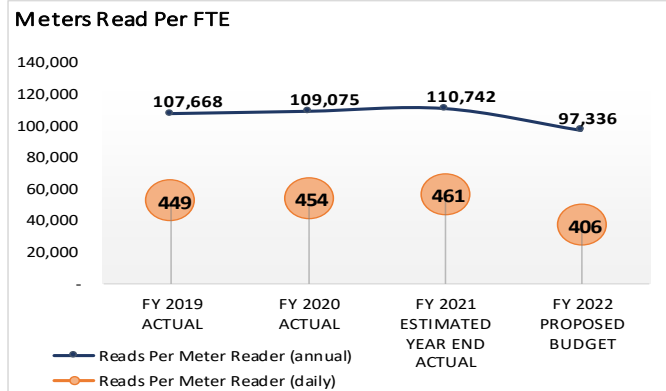
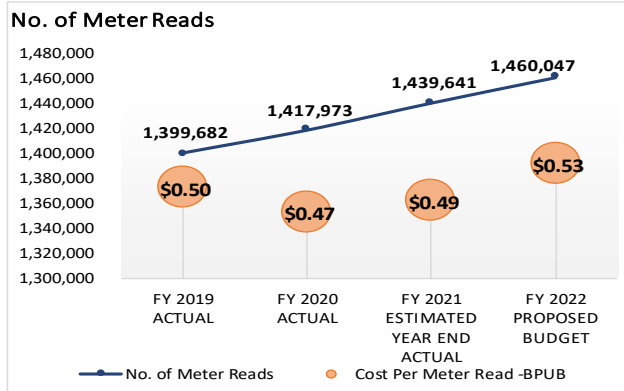
#### OUTCOME MEASURES

% 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 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 PROPOSED BUDGET
FTE	14	14	14	16
O&M Personnel Expenses	\$ 593,134	\$ 598,769	\$ 622,443	\$ 676,198
O&M Non-Personnel Expenses	\$ 106,151	\$ 72,056	\$ 76,699	\$ 91,754
Total O&M Expenses	\$ 699,285	\$ 670,825	\$ 699,142	\$ 767,952
No. of Meter Reads	1,399,682	1,417,973	1,439,641	1,460,047
No. of Meters Estimated	8,575	18,961	27,062	18,000
% of Estimated Readings	0.61%	1.34%	1.88%	1.23%
% of Radio Frequency Meters Installed	8%	8%	8%	7%
Cost Per Meter Read -BPUB	\$ 0.50	\$ 0.47	\$ 0.49	\$ 0.53
Reads Per Meter Reader (annual)	107,668	109,075	110,742	97,336
Reads Per Meter Reader (daily)	449	454	461	406





## DEPARTMENT 6150 – METER READING

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 45,552	\$ 45,727	\$ 47,339	\$ 47,029	\$ 47,210	\$ 49,380
6115 Operational staff	307,451	319,783	351,015	339,144	331,552	353,348
6130 Overtime	12,689	8,442	2,389	15,897	8,672	15,897
6201 T.M.R.S.	65,780	66,398	71,023	68,468	69,799	70,679
6205 F.I.C.A.	21,893	22,533	24,262	23,943	23,229	24,969
6206 Suta	(1,231)	-	-	-	-	-
6210 Medicare	5,120	5,270	5,674	5,600	5,433	5,840
6214 Dental Insurance	3,621	5,927	7,027	7,827	7,021	8,028
6215 Hospitalization insurance	94,617	95,249	112,999	129,034	124,751	145,573
6220 Life Insurance	457	406	408	507	388	525
6221 Long Term Disability Insurance	309	540	746	772	713	806
6225 Workers Compensation	9,267	9,398	10,168	9,654	9,834	10,068
6230 Vacation leave	5,567	2,634	105	4,931	(4,027)	4,912
6235 Sick leave	5,780	10,826	(34,387)	5,426	(2,132)	5,404
6260 Vacancy Savings	-	-	-	(19,309)	-	(19,231)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>576,872</i>	<i>593,134</i>	<i>598,769</i>	<i>638,924</i>	<i>622,443</i>	<i>676,198</i>
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	341	556	75	1,100	-	600
7120 Office supplies	1,561	1,257	1,487	2,000	1,238	1,500
7130 Postage/shipping charges	1,180	1,522	166	1,200	-	200
7140 Training expenses	-	1,485	-	750	-	905
7145 Travel expenses	-	1,617	1,390	1,000	-	1,500
7180 Utilities - departmental	3,521	3,364	3,962	3,300	-	5,449
7190 Utilities - CP&L & Mvec	99	12	-	-	-	-
7225 Safety supplies	2,590	1,843	4,624	5,000	3,541	5,000
7299 Other materials & supplies	9,282	14,925	9,272	15,000	10,763	15,000
7310 Federal, state, & local fees	-	-	-	100	-	-
7315 Food, meals, ice, water	899	901	667	1,000	40	1,000
7325 Rental of equip/storage/land	7,786	7,786	7,390	7,800	5,769	-
7335 Wearing apparel & dry goods	30,307	15,266	929	7,300	4,028	7,300
7415 Fuels & lubricants	21,924	20,091	19,097	20,000	25,229	20,000
7505 Maint. of communication equipment	-	878	295	1,000	878	1,000
7645 Maintenance services	11,242	33,764	21,688	20,000	23,353	23,000
7647 Remote Reading Services	-	-	-	-	-	5,800
7699 Other services	-	-	-	-	737	-
7899 Other minor tools & equipment	794	885	1,014	1,500	1,124	3,500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>91,526</i>	<i>106,151</i>	<i>72,056</i>	<i>88,050</i>	<i>76,699</i>	<i>91,754</i>
	<b>668,398</b>	<b>699,285</b>	<b>670,825</b>	<b>726,974</b>	<b>699,142</b>	<b>767,952</b>



**Department Responsibility:** Eduardo Campirano Jr.  
**Title:** Customer Service Manager  
**Telephone Ext:** 6242  
**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

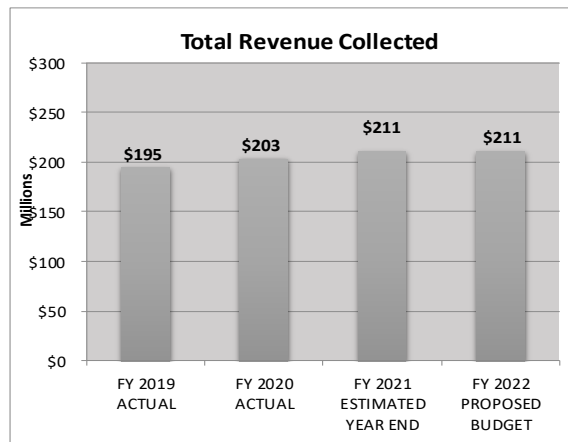
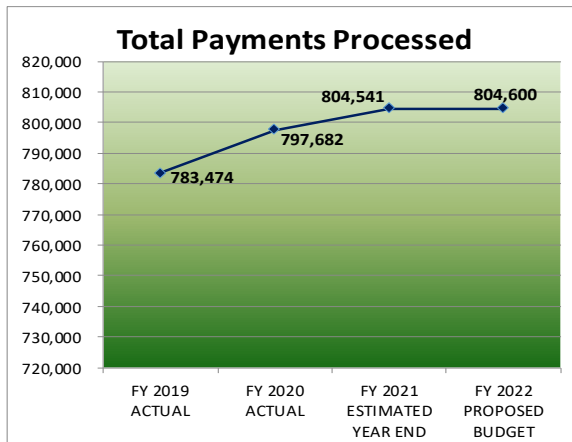
**OUTCOME MEASURES**

Number of Accounts  
 Total Revenue Collected

**EFFICIENCY MEASURES**

Transactions Per FTE  
 Cost Per Payment

	FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END	FY 2022 PROPOSED BUDGET
FTE's	8	8	8	8
Personnel O & M Expenses	\$ 430,467	\$ 407,922	\$ 411,444	\$ 447,246
Non-Personnel O & M Expenses	\$ 626,083	\$ 646,094	\$ 766,114	\$ 685,503
Total Expenses	\$ 1,056,550	\$ 1,054,016	\$ 1,177,558	\$ 1,132,749
Cashier Handled Payments - 2020 COVID closed	224,746	171,043	48,571	48,600
Automated Payments	558,728	626,639	755,970	756,000
Total Payments Processed	783,474	797,682	804,541	804,600
Number of Accounts	66,629	68,095	68,979	69,000
Total Revenue Collected	\$ 194,713,223	\$ 202,760,589	\$ 210,846,980	\$ 211,000,000
Transactions Per FTE	97,934	99,710	100,568	100,575
Cost Per Payment	\$ 1.35	\$ 1.32	1.46	\$ 1.41



## DEPARTMENT 6160 - CASHIERS

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 47,133	\$ 47,314	\$ 48,993	\$ 48,672	\$ 48,859	\$ 51,106
6110 Clerical staff	205,895	220,679	223,953	217,318	207,522	225,320
6130 Overtime	8,206	4,792	4,935	4,787	5,301	4,994
6201 T.M.R.S.	46,731	50,609	48,556	47,160	47,002	48,513
6205 F.I.C.A.	15,030	16,510	16,154	16,491	15,268	17,138
6210 Medicare	3,515	3,861	3,778	3,857	3,571	4,008
6214 Dental Insurance	2,054	3,918	4,382	4,848	4,191	4,848
6215 Hospitalization insurance	66,626	69,326	71,846	81,497	76,013	89,646
6220 Life Insurance	306	278	264	335	251	344
6221 Long Term Disability Insurance	196	394	509	532	481	553
6225 Workers Compensation	6,531	7,143	6,948	6,650	6,621	6,911
6230 Vacation leave	3,687	(2,013)	7,124	3,397	(2,910)	3,379
6235 Sick leave	9,354	7,656	(29,521)	3,737	(727)	3,718
6260 Vacancy Savings	-	-	-	(13,300)	-	(13,231)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>415,264</u>	<u>430,467</u>	<u>407,922</u>	<u>425,982</u>	<u>411,444</u>	<u>447,246</u>
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	-	30	-	-	-	-
7120 Office supplies	6,134	4,577	6,608	6,000	3,911	5,000
7130 Postage/shipping charges	-	-	-	500	618	-
7140 Training expenses	1,345	370	15	-	-	-
7145 Travel expenses	2,057	940	-	-	-	-
7299 Other materials & supplies	1,169	-	-	-	-	-
7315 Food, meals, ice, water	468	711	163	200	-	200
7635 Software maintenance service fees	3,342	3,415	3,500	4,000	3,570	3,731
7645 Maintenance services	5,560	5,394	5,037	5,500	5,037	5,500
7650 Security services	2,502	2,880	2,160	3,000	3,134	3,000
7699 Other services	489,015	596,533	628,203	560,000	748,466	660,000
7820 Office furniture & equipment	2,838	11,234	408	6,000	1,378	8,072
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>514,429</u>	<u>626,083</u>	<u>646,094</u>	<u>585,200</u>	<u>766,114</u>	<u>685,503</u>
	<b>929,693</b>	<b>1,056,550</b>	<b>1,054,016</b>	<b>1,011,182</b>	<b>1,177,558</b>	<b>1,132,749</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**

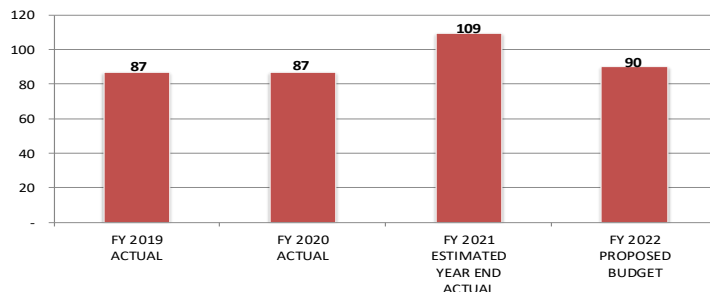
Maintain Monthly Count of Incidents by Department  
Maintain Monthly Tally of Cost Per Injury  
Track % of Timeliness of Reporting  
Maintain Claims Logs  
Track Timeliness of Claim Processing

**EFFICIENCY MEASURES**

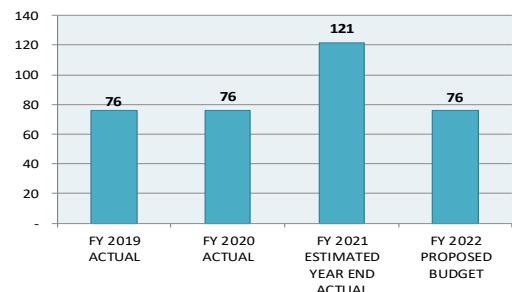
Avg. No. of Claim Per Month  
Avg. Cost of Claim (WC)  
No. of Work Related Injuries per Year  
Lost Time Accident/Incident Rate  
Avg No. of Claims Filed with Insurance Per Month (Risk)  
Avg Cost of Claim (\$)  
Avg No. of Subrogated Claims Per Month  
Avg Electric Claim Subrogated Amount (\$)  
Avg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

FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 PROPOSED BUDGET
2	3	3	3
\$ 1,923,313	\$ 2,205,586	\$ 2,864,083	\$ 3,770,539
12	12	12	12
12	30	25	30
12	12	12	12
125	125	376	150
15	15	16	15
108	108	335	125
5	5	7	7
87	87	109	90
36	36	10	15
36	36	4	15
67	67	86	67
76	76	121	76
13	13	5	13
11	11	1	11
60	60	97	60
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
100%	100%	100%	100%
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
2.33	2.50	2.50	2.50
\$ 2,890.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00
28	35	35	35
2.00%	4.00%	5.00%	4.00%
10	10	31	10
\$ 3,490.00	\$ 3,490.00	\$ 3,615.11	\$ 3,700.00
10	10	11	10.00
\$ 4,769.00	\$ 4,769.00	\$ 4,551.46	\$ 4,769.00
\$ 1,532.00	\$ 1,532.00	\$ 2,678.76	\$ 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 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 64,542	\$ 64,791	\$ 65,020	\$ 64,563	\$ 64,812	\$ 67,791
6105 Administrative Staff	42,420	44,286	45,853	87,568	96,065	106,557
6110 Clerical staff	-	-	-	-	-	-
6130 Overtime	-	-	-	-	-	-
6201 T.M.R.S.	19,300	19,322	19,413	26,973	28,618	30,598
6205 F.I.C.A.	6,215	6,240	6,160	9,432	9,238	10,810
6210 Medicare	1,453	1,459	1,441	2,206	2,161	2,528
6214 Dental Insurance	532	1,248	1,466	2,103	1,852	2,103
6215 Hospitalization insurance	20,647	22,012	24,779	35,998	34,270	39,598
6220 Life Insurance	118	104	98	176	144	200
6221 Long Term Disability Insurance	82	164	211	304	313	349
6225 Workers Compensation	2,698	2,727	2,778	3,803	4,028	4,359
6230 Vacation leave	4,182	581	(1,477)	1,943	4,974	2,120
6235 Sick leave	2,185	1,485	(17,541)	2,137	1,909	2,333
6260 Vacancy Savings	-	-	-	(7,607)	-	(8,302)
<i>O&amp;M PERSONNEL TOTAL</i>	164,375	164,420	148,201	229,601	248,384	261,044
<i>O&amp;M NON-PERSONNEL</i>						
7110 Dues & memberships	-	-	655	750	8,509	2,200
7120 Office supplies	192	42	429	500	252	500
7130 Postage/shipping charges	615	107	73	300	461	150
7135 Telephone expenses	-	-	-	-	-	-
7140 Training expenses	200	1,190	1,190	1,596	425	3,000
7145 Travel expenses	1,921	3,367	1,711	-	-	-
7199 Miscellaneous office expenses	-	-	-	-	-	-
7225 Safety supplies	76	-	33	100	86	200
7315 Food, meals, ice, water	25	37	39	100	-	100
7380 Insurance - general liability	62,357	57,560	116,063	55,000	104,936	56,500
7381 Insurance - boiler,mchnry,property	929,602	915,779	1,116,362	1,600,000	1,591,434	2,376,180
7382 Insurance - blanket bond	3,706	5,670	5,721	6,500	6,050	6,500
7384 Insurance - public officials liab	64,142	63,559	65,096	75,500	70,059	80,000
7385 Insurance - comprehensive auto liab	136,025	128,417	148,608	166,000	163,175	180,000
7386 Insurance - umbrella liability	444,123	441,203	451,642	490,000	489,642	560,000
7387 Insurance - self insured damages	14,695	17,197	13,359	30,000	36,633	80,000
7388 Excess Workers Compensation	55,057	59,284	44,907	58,607	57,469	60,000
7415 Fuels & lubricants	3,460	3,114	1,725	1,500	3,381	2,000
7601 Legal Fees	-	-	-	2,000	-	-
7635 Software maintenance service fees	-	-	-	-	-	2,000
7699 Other services	95,879	62,367	69,958	100,000	-	-
7805 Computer equipment	-	-	-	-	82,538	100,000
7820 Office furniture & equipment	173	-	215	600	649	165
7899 Other minor tools & equipment	-	-	19,600	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	1,812,250	1,758,893	2,057,385	2,589,053	2,615,699	3,509,495
	1,976,625	1,923,313	2,205,586	2,818,654	2,864,083	3,770,539



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

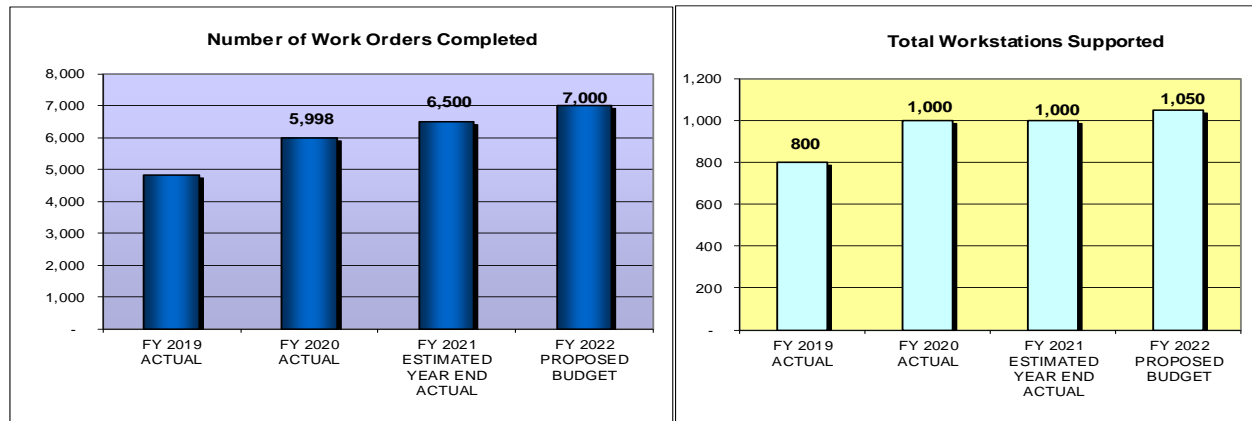
**OUTPUT MEASURES**

Number of Work Orders Completed  
 Total Workstations Supported  
 Servers Supported

**EFFICIENCY MEASURES**

Projects Completed  
 System Availability:  
 Telephones  
 Network  
 Applications  
 Internet

	FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 PROPOSED BUDGET
O&M Personnel Expenses	\$ 1,425,411	\$ 1,536,920	\$ 1,659,131	\$ 1,709,637
O&M Non-Personnel Expenses	\$ 1,505,485	\$ 1,782,560	\$ 1,664,272	\$ 1,361,450
Number of Work Orders Completed	4,816	5,998	6,500	7,000
Total Workstations Supported	800	1,000	1,000	1,050
Servers Supported	265	206	210	230
Projects Completed				
System Availability:				
Telephones	99.90%	99.90%	99.90%	99.90%
Network	99.90%	99.90%	99.90%	99.90%
Applications	99.90%	99.90%	99.90%	99.90%
Internet	99.90%	99.90%	99.90%	99.90%



## DEPARTMENT 7130 - INFORMATION TECHNOLOGY

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 367,973	\$ 366,457	\$ 381,209	\$ 379,933	\$ 383,017	\$ 398,929
6105 Administrative Staff	606,602	587,239	594,351	633,027	638,235	679,508
6110 Clerical staff	98,822	43,218	83,342	80,850	82,042	84,892
6130 Overtime	1,872	402	467	2,915	3,552	5,247
6201 T.M.R.S.	192,850	177,834	185,490	193,932	198,125	204,164
6205 F.I.C.A.	63,595	58,737	63,167	67,816	65,829	72,126
6210 Medicare	14,873	13,737	14,643	15,860	15,396	16,868
6214 Dental Insurance	4,655	8,046	9,677	11,156	10,221	11,482
6215 Hospitalization insurance	161,266	153,698	171,828	199,011	199,707	229,383
6220 Life Insurance	1,186	919	912	1,239	948	1,308
6221 Long Term Disability Insurance	922	1,475	2,017	2,188	2,101	2,327
6225 Workers Compensation	26,964	24,977	26,484	27,345	27,907	29,083
6230 Vacation leave	1,030	1,292	39,140	13,968	24,625	14,148
6235 Sick leave	9,455	(12,619)	(35,808)	15,368	7,428	15,566
6260 Vacancy Savings	-	-	-	(54,690)	-	(55,397)
<i>O&amp;M PERSONNEL TOTAL</i>	1,552,067	1,425,411	1,536,920	1,589,918	1,659,131	1,709,637
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	203	65	-	300	-	-
7120 Office supplies	1,639	3,759	2,895	3,500	389	3,000
7130 Postage/shipping charges	235	54	50	200	74	100
7135 Telephone expenses	188,718	188,594	189,888	210,000	183,882	200,000
7140 Training expenses	9,139	7,823	2,826	4,000	-	4,000
7145 Travel expenses	7,034	10,728	1,947	3,000	-	3,000
7180 Utilities - departmental	3,621	3,268	3,793	4,000	3,420	3,000
7299 Other materials & supplies	9,969	12,790	4,378	7,000	8,337	7,000
7315 Food, meals, ice, water	488	264	243	500	14	250
7335 Wearing apparel & dry goods	446	138	-	-	-	-
7415 Fuels & lubricants	936	1,129	887	1,200	929	700
7599 Maintenance / other	-	-	-	-	-	-
7605 Engineering fees	-	-	42,574	-	-	-
7635 Software maintenance service fees	393,662	604,128	784,339	720,400	774,503	740,400
7645 Maintenance services	363,399	230,653	183,884	242,500	307,975	205,000
7699 Other services	66,639	57,644	-	60,000	25,648	50,000
7801 Communication equipment	45,280	17,237	-	10,000	13,655	5,000
7805 Computer equipment	281,410	281,807	468,624	475,000	267,020	50,000
7806 Software licenses-new	85,912	85,403	96,232	90,000	78,427	90,000
7820 Office furniture & equipment	1,446	-	-	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	1,460,177	1,505,485	1,782,560	1,831,600	1,664,272	1,361,450
	3,012,244	2,930,896	3,319,480	3,421,518	3,323,403	3,071,087



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

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

**Department Function:**

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

**Department Goals/Objectives:**

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

**INPUT MEASURES**

Employees (FTEs)  
 O&M Non-Personnel Expenses

**OUTPUT MEASURES**

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

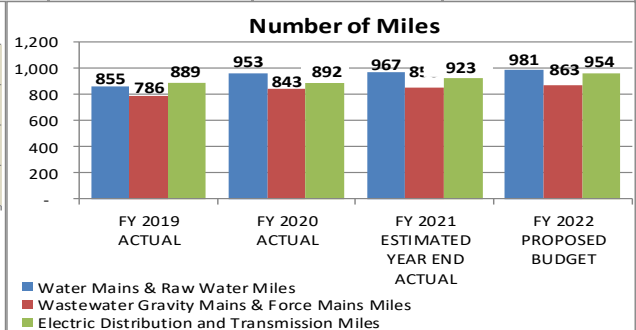
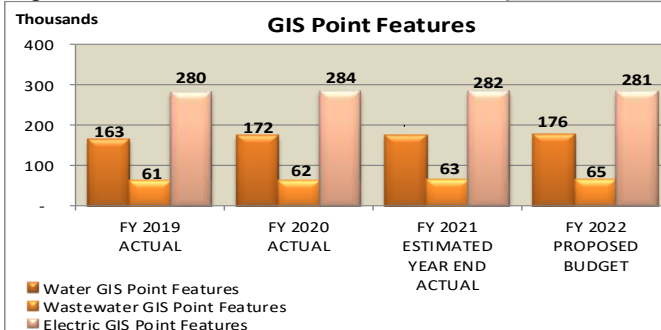
**OUTCOME MEASURES**

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

**EFFICIENCY MEASURES**

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

	FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 PROPOSED BUDGET
Employees (FTEs)	10	10	10	10
O&M Non-Personnel Expenses	\$ 455,157	\$ 308,718	\$ 351,607	\$ 323,150
Subdivisions	2,119	2,205	2,240	2,275
Addresses	61,866	63,405	64,012	64,619
Street Names	8,836	8,974	9,024	9,074
Parcels	92,320	93,199	93,816	94,433
Water GIS Point Features	163,451	171,869	173,820	175,771
Wastewater GIS Point Features	60,987	61,955	63,458	64,961
Electric GIS Point Features	279,778	283,525	282,346	281,167
GPS Field Inventory	36,127	38,678	39,550	41,125
Water Mains & Raw Water Miles	855	953	967	981
Wastewater Gravity Mains & Force Mains Miles	786	843	853	863
Electric Distribution and Transmission Miles	889	892	923	954
Data Request	4,893	5,500	3,236	4,500
Map Production	5,232	5,500	2,105	4,500
Avg. Number of Internal Customers	275	300	100	250
Avg. Number of External Customers	45	52	15	42
Avg. Number of QA/QC Electric Work Orders	759	1,731	403	800
Avg. Number of QA/QC Electric Service Request	559	601	490	600
Avg. Number of Water/Wastewater As-Builds	401	415	305	115





## DEPARTMENT 7135 - GEOGRAPHIC INFORMATION SYSTEMS

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 79,581	\$ 79,887	\$ 82,703	\$ 82,160	\$ 82,476	\$ 86,268
6105 Administrative Staff	205,283	176,334	176,316	157,523	177,335	166,430
6110 Clerical staff	162,741	168,427	218,076	214,926	219,831	225,673
6115 Operational staff	-	-	-	-	-	-
6130 Overtime	14,873	2,610	15,429	10,521	10,839	9,931
6201 T.M.R.S.	82,700	75,909	86,543	80,602	87,661	83,954
6205 F.I.C.A.	27,313	25,303	29,240	28,186	28,965	29,659
6210 Medicare	6,388	5,918	6,830	6,592	6,774	6,936
6214 Dental Insurance	2,647	4,395	5,714	6,137	5,692	6,137
6215 Hospitalization insurance	83,551	75,987	93,658	103,381	103,285	113,719
6220 Life Insurance	510	417	435	538	432	561
6221 Long Term Disability Insurance	357	638	911	909	907	957
6225 Workers Compensation	11,662	10,789	12,338	11,365	12,269	11,959
6230 Vacation leave	(866)	(889)	14,970	5,805	10,320	5,805
6235 Sick leave	(841)	4,827	5,948	6,387	3,034	6,387
6240 Educational assistance	2,056	2,228	907	5,000	-	5,000
6260 Vacancy Savings	-	-	-	(22,730)	-	(22,730)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>677,956</i>	<i>632,780</i>	<i>750,017</i>	<i>697,303</i>	<i>749,821</i>	<i>736,647</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	100	-	-
7110 Dues & memberships	2,205	1,506	2,767	2,000	669	2,000
7120 Office supplies	3,129	3,708	1,979	2,000	3,946	2,000
7125 Photo equipment/supplies	-	-	-	-	-	-
7130 Postage/shipping charges	109	68	105	200	-	100
7135 Telephone expenses	100	-	-	-	-	-
7140 Training expenses	1,855	1,460	405	3,500	1,400	2,000
7145 Travel expenses	3,253	4,744	4,608	500	-	500
7225 Safety supplies	-	150	843	500	2,375	2,000
7299 Other materials & supplies	763	2,629	1,466	2,000	2,130	2,000
7310 Federal, state, & local fees	-	36	-	-	-	-
7315 Food, meals, ice, water	2,437	803	685	1,000	56	1,000
7325 Rental of equip/storage/land	103,224	104,539	104,711	100,000	105,478	107,050
7330 Right of way fees	48,834	42,453	32,676	45,000	35,043	40,000
7335 Wearing apparel & dry goods	4,662	3,103	1,142	2,000	589	1,000
7415 Fuels & lubricants	5,033	4,205	2,943	4,000	3,937	3,000
7420 Parts	-	681	-	-	-	-
7520 Maint. of minor equipment	-	-	-	-	-	-
7605 Engineering fees	20,889	-	-	-	-	-
7635 Software maintenance service fees	119,436	132,116	87,277	110,000	194,643	130,000
7645 Maintenance services	-	239	-	-	-	-
7699 Other services	81,766	149,129	64,917	-	-	-
7805 Computer equipment	300	88	402	2,000	80	15,000
7806 Software licenses-new	739	-	-	1,000	-	500
7820 Office furniture & equipment	1,185	3,205	1,014	500	395	-
7899 Other minor tools & equipment	1,663	295	778	2,000	866	15,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>401,584</i>	<i>455,157</i>	<i>308,718</i>	<i>278,300</i>	<i>351,607</i>	<i>323,150</i>
	<b>1,079,540</b>	<b>1,087,937</b>	<b>1,058,735</b>	<b>975,603</b>	<b>1,101,428</b>	<b>1,059,797</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

Number of Retirees

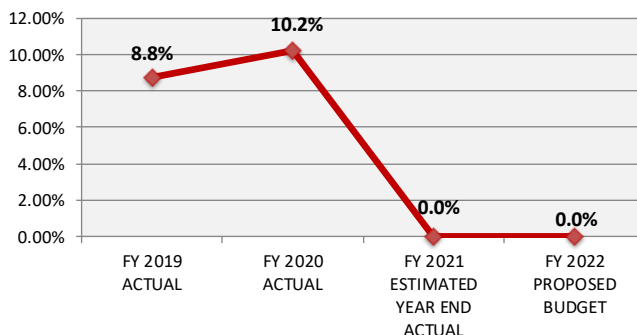
### EFFICIENCY MEASURES

Maintain company-wide turnover at less than 6%

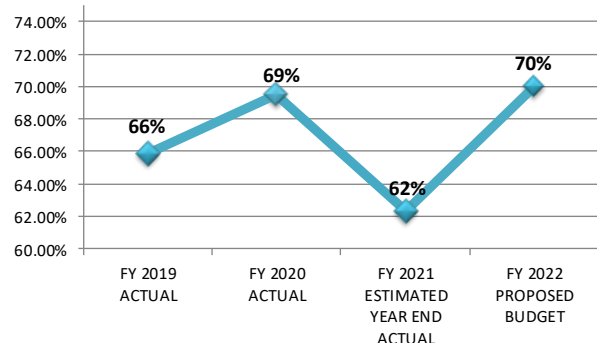
Maintain company-wide turnover at less than 6% excluding retirement.  
5-year retention of new hires

FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 PROPOSED BUDGET
3	3	3	3
\$ 824,225	\$ 789,126	\$ 575,812	\$ 685,209
92.0%	92.0%	91.0%	92.0%
439	180	142	175
N/A	N/A	22	20
8.8%	10.2%	N/A	N/A
N/A	N/A	5.6%	6.0%
66%	69%	62%	70%

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



### 5-year retention of new hires



## DEPARTMENT 7140 - HUMAN RESOURCES

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 128,668	\$ 137,025	\$ 133,811	\$ 132,933	\$ 133,444	\$ 139,579
6110 Clerical staff	41,159	42,856	80,786	76,981	82,510	83,079
6130 Overtime	8,302	7,775	11,045	5,733	13,331	7,418
6201 T.M.R.S.	41,383	51,584	47,647	37,218	42,409	39,077
6205 F.I.C.A.	13,389	17,039	16,212	13,015	14,199	13,805
6210 Medicare	3,245	4,079	3,846	3,044	3,385	3,229
6214 Dental Insurance	765	1,548	1,797	1,653	1,498	1,653
6215 Hospitalization insurance	24,652	32,484	31,386	30,181	29,489	33,199
6220 Life Insurance	210	217	181	236	181	248
6221 Long Term Disability Insurance	192	291	381	420	380	445
6225 Workers Compensation	5,798	7,279	6,798	5,248	5,976	5,566
6230 Vacation leave	1,578	(4,673)	6,089	2,681	1,582	2,708
6235 Sick leave	788	875	3,614	2,949	334	2,979
6240 Educational assistance	-	(6)	-	-	-	-
6242 Auto Benefits	7,506	8,365	7,500	7,500	7,212	7,500
6243 Telephone Benefits	1,681	1,874	1,680	1,680	1,616	1,680
6250 Miscellaneous personnel benefits	88,445	68,389	80,432	80,000	35,806	67,000
6260 Vacancy Savings	-	-	-	(10,496)	-	(10,603)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>367,761</i>	<i>377,000</i>	<i>433,204</i>	<i>390,974</i>	<i>373,352</i>	<i>398,563</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	-	-	-
7110 Dues & memberships	1,618	1,623	1,576	1,224	1,564	1,374
7115 Educational material	536	-	-	-	-	-
7120 Office supplies	2,130	3,822	4,156	3,000	4,772	3,000
7130 Postage/shipping charges	-	89	-	200	-	-
7135 Telephone expenses	-	-	253	500	-	-
7140 Training expenses	700	1,016	125	-	175	-
7145 Travel expenses	954	1,791	901	-	-	-
7147 Mileage Reimbursement (InTownExp)	204	208	57	200	-	100
7299 Other materials & supplies	495	378	5,757	500	-	500
7315 Food, meals, ice, water	2,317	4,197	975	2,500	19	500
7322 Recognition Program	38,176	55,331	31,162	55,000	22,660	55,000
7325 Rental of equip/storage/land	2,760	6,724	6,550	6,200	6,293	6,172
7420 Parts	(92)	-	-	-	-	-
7501 Maint. of buildings & structures	-	-	-	-	-	-
7601 Legal Fees	152,141	206,775	229,177	125,000	134,200	120,000
7605 Engineering fees	15,000	149,028	61,773	50,000	29,440	-
7699 Other services	10,139	16,179	13,461	15,000	3,052	100,000
7805 Computer equipment	27	-	-	-	-	-
7820 Office furniture & equipment	4,586	65	-	500	285	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>231,689</i>	<i>447,225</i>	<i>355,922</i>	<i>259,824</i>	<i>202,460</i>	<i>286,646</i>
	<b>599,450</b>	<b>824,225</b>	<b>789,126</b>	<b>650,798</b>	<b>575,812</b>	<b>685,209</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

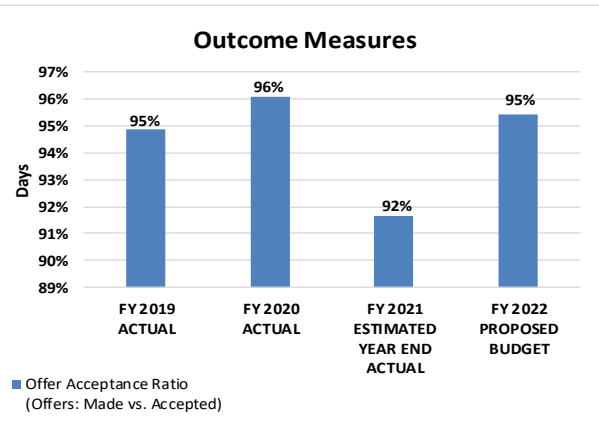
Fill Rate (Jobs Filled vs. Jobs Announcements)

Offer Acceptance Ratio (Offers: Made vs. Accepted)

**EFFICIENCY MEASURES**

Recruitment Cost per Hire

	FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 PROPOSED BUDGET
	4	3	3	3
	\$ 311,562	\$ 290,254	\$ 351,036	\$ 368,881
	232	270	288	280
	59	74	78	80
	98	128	216	220
	42%	47%	75%	79%
	94%	80%	71%	75%
	95%	96%	92%	95%
	\$ 2,596.35	\$ 2,845.63	\$ 2,279.45	\$ 2,305.51



## DEPARTMENT 7145 – TALENT ACQUISITION AND STAFFING

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ -	\$ -	\$ -	\$ -	\$ 63,419	\$ 66,590
6105 Administrative Staff	150,000	157,661	171,875	170,747	94,562	107,955
6110 Clerical staff	38,373	26,158	-	-	-	-
6130 Overtime	519	453	-	-	-	-
6201 T.M.R.S.	33,781	33,678	30,029	30,273	28,984	30,633
6205 F.I.C.A.	10,652	10,570	9,416	10,586	8,998	10,822
6210 Medicare	2,491	2,472	2,202	2,476	2,104	2,531
6214 Dental Insurance	1,085	2,152	2,198	2,429	1,990	2,103
6215 Hospitalization insurance	40,094	39,083	37,160	42,212	37,207	39,598
6220 Life Insurance	226	187	152	197	141	198
6221 Long Term Disability Insurance	163	286	328	341	305	349
6225 Workers Compensation	5,086	5,007	4,297	4,269	4,110	4,364
6230 Vacation leave	(1,093)	(161)	4,578	2,180	(588)	2,150
6235 Sick leave	3,920	557	1,306	2,399	1,549	2,365
6240 Educational assistance	5,610	(2,284)	-	-	-	-
6260 Vacancy Savings	-	-	-	(8,537)	-	(8,417)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>290,907</u>	<u>275,817</u>	<u>263,541</u>	<u>259,573</u>	<u>242,783</u>	<u>261,241</u>
<i>O&amp;M NON-PERSONNEL</i>						
7101 Advertising	4,370	4,343	1,238	2,000	7,974	3,000
7105 Books & periodicals	-	217	-	-	-	-
7110 Dues & memberships	995	585	540	600	540	740
7120 Office supplies	1,453	1,404	747	1,500	1,888	1,500
7130 Postage/shipping charges	-	32	-	-	-	-
7135 Telephone expenses	-	-	-	-	-	-
7140 Training expenses	345	60	1,725	-	-	-
7145 Travel expenses	4,056	1,579	2,828	-	-	-
7147 Mileage Reimbursement (InTownExp)	-	-	-	-	-	2,000
7150 Recruitment Expenses	2,227	3,148	1,472	2,000	97	-
7299 Other materials & supplies	51	-	136	200	-	200
7315 Food, meals, ice, water	252	211	273	230	295	200
7635 Software maintenance service fees	-	22,578	13,759	15,000	12,973	15,000
7699 Other services	3,324	1,589	3,654	25,000	84,485	85,000
7805 Computer equipment	(1,420)	-	340	-	-	-
7820 Office furniture & equipment	648	-	-	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>16,301</u>	<u>35,745</u>	<u>26,713</u>	<u>46,530</u>	<u>108,253</u>	<u>107,640</u>
	<b>307,208</b>	<b>311,562</b>	<b>290,254</b>	<b>306,103</b>	<b>351,036</b>	<b>368,881</b>



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 BPUB 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.

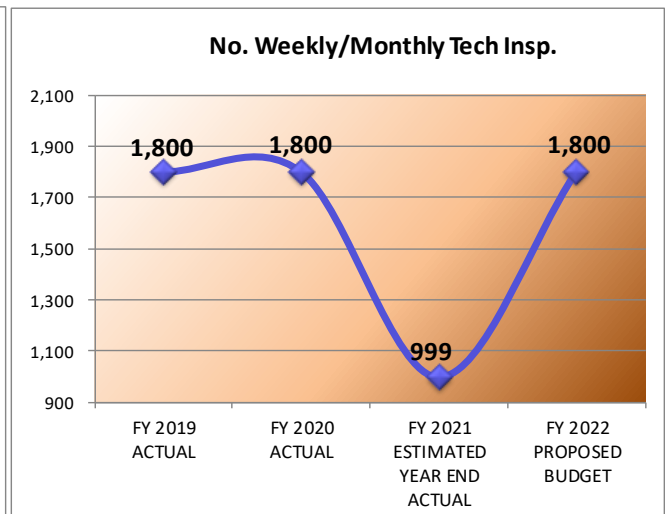
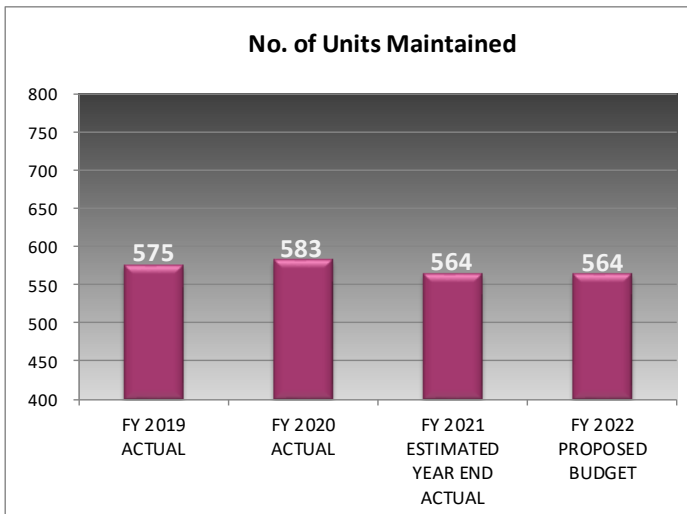
#### INPUT MEASURES

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 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 PROPOSED BUDGET
10	10	10	10
400	400	345	400
350	350	362	400
1,800	1,800	1,800	1,900
1:57	1:58	1:56	1:56
575	583	564	564
1,800	1,800	999	1,800
3,500	3,000	2,110	3,000



## DEPARTMENT 7150 – FLEET MANAGEMENT

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 61,318	\$ 61,613	\$ 49,975	\$ 56,010	\$ 56,435	\$ 59,511
6105 Administrative Staff	34,459	27,556	38,163	37,889	37,744	40,257
6110 Clerical staff	23,332	23,602	24,171	23,562	24,716	25,035
6115 Operational staff	259,933	213,159	242,735	237,486	247,171	253,743
6130 Overtime	15,574	9,074	8,790	10,514	20,650	17,111
6201 T.M.R.S.	70,018	76,120	88,794	62,932	84,587	66,435
6205 F.I.C.A.	23,760	21,037	24,577	22,007	22,513	23,470
6206 Suta	-	-	-	-	-	-
6210 Medicare	5,557	4,920	5,748	5,147	5,265	5,489
6214 Dental Insurance	2,167	2,895	3,740	4,553	4,519	5,074
6215 Hospitalization insurance	60,567	52,357	66,054	83,056	88,382	101,950
6220 Life Insurance	430	321	305	423	332	447
6221 Long Term Disability Insurance	(739)	479	629	710	683	757
6225 Workers Compensation	10,851	8,649	10,155	8,874	9,584	9,464
6230 Vacation leave	1,453	5,722	15,853	4,533	11,984	4,550
6235 Sick leave	5,670	(15,102)	(9,414)	4,987	5,014	5,006
6260 Vacancy Savings	-	-	-	(17,747)	-	(17,814)
<i>O&amp;M PERSONNEL TOTAL</i>	<i>574,349</i>	<i>492,401</i>	<i>570,274</i>	<i>544,935</i>	<i>619,580</i>	<i>600,483</i>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	-	500	150	-
7110 Dues & memberships	228	122	87	500	202	200
7120 Office supplies	4,347	4,059	2,502	2,000	2,823	2,000
7130 Postage/shipping charges	2,655	2,403	2,874	2,300	7,039	2,300
7135 Telephone expenses	-	-	-	-	-	-
7140 Training expenses	480	780	360	8,000	1,845	4,000
7145 Travel expenses	-	1,357	(27)	500	-	500
7180 Utilities - departmental	17,064	15,272	9,502	15,000	-	-
7199 Miscellaneous office expenses	41	-	-	-	4,872	12,000
7215 Laundry & janitorial supplies	10	-	342	400	-	-
7225 Safety supplies	458	244	2,072	1,000	905	700
7293 Chemicals - other	-	-	-	2,000	1,739	1,500
7299 Other materials & supplies	58,510	15,052	14,766	13,000	2,013	2,500
7304 Hurricane Preparedness Expenses	2,750	8,796	39,585	15,000	8,861	12,500
7305 ERCOT expenses	8	-	-	-	22,700	20,000
7310 Federal, state, & local fees	6,144	5,403	6,550	6,500	-	-
7315 Food, meals, ice, water	637	718	432	500	5,148	6,500
7325 Rental of equip/storage/land	-	1,080	-	-	268	500
7335 Wearing apparel & dry goods	3,951	2,647	1,583	1,500	-	-
7405 Auto body repairs	12,185	-	12,646	10,000	823	1,500
7410 Batteries	9,791	-	-	-	13,071	13,000
7415 Fuels & lubricants	15,629	14,771	18,321	19,000	-	-
7420 Parts	476,814	496,849	447,961	375,000	29,212	25,000
7425 Road service	27,346	56,275	77,508	50,000	529,768	375,000
7430 Tires	89,662	52,550	45,630	35,000	78,621	37,500
7520 Maint. of minor equipment	-	-	-	-	84,130	88,700
7635 Software maintenance service fees	8,263	12,305	12,200	20,000	29,555	28,000
7645 Maintenance services	650,447	395,979	369,852	325,000	354,805	325,000
7699 Other services	114,378	36,732	17,971	25,000	26,070	25,000
7805 Computer equipment	-	-	80	7,000	9,623	7,000
7820 Office furniture & equipment	870	-	5,808	500	40	-
7835 Tools, shop and garage equipment	11,639	3,751	16,374	5,000	4,554	5,000
7899 Other minor tools & equipment	3,690	-	3,447	4,000	1,875	4,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<i>1,517,996</i>	<i>1,127,146</i>	<i>1,108,425</i>	<i>944,200</i>	<i>1,220,711</i>	<i>999,900</i>
	<b>2,092,345</b>	<b>1,619,547</b>	<b>1,678,699</b>	<b>1,489,135</b>	<b>1,840,291</b>	<b>1,600,383</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 (FTEs)

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

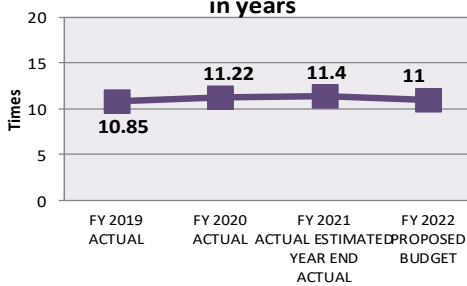
Internal Market Review Conducted As Percent of Workforce

#### EFFICIENCY MEASURES

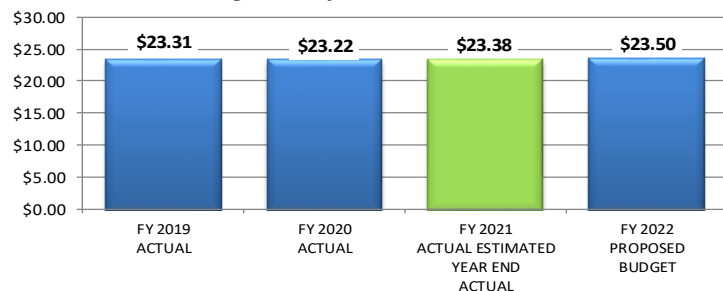
Number of C&B Staff to FTEs

FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ACTUAL ESTIMATED YEAR END ACTUAL	FY 2022 PROPOSED BUDGET
4	4	4	4
\$380,059	\$444,411	\$395,520	\$486,550
\$23.31	\$23.22	\$23.38	\$23.50
56	64	58	64
59	59	56	50
10	6	4	12
10.85	11.22	11.4	11
0.0%	0%	0%	18%
1:146	1:144	1:143	1:146

**Average Employee Tenure in BPUB  
in years**



**Average Hourly Rate in Workforce**





## DEPARTMENT 7155 – COMPENSATION & BENEFITS

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 85,827	\$ 71,645	\$ 69,826	\$ 69,368	\$ 69,635	\$ 72,836
6105 Administrative Staff	140,242	123,482	167,032	163,051	146,138	178,629
6110 Clerical staff	-	-	-	-	-	-
6130 Overtime	-	-	-	-	-	-
6201 T.M.R.S.	40,428	34,223	43,151	41,208	42,961	44,132
6205 F.I.C.A.	13,219	11,365	14,470	14,410	14,025	15,591
6210 Medicare	3,092	2,658	3,384	3,370	3,280	3,646
6214 Dental Insurance	1,082	1,633	2,383	2,587	2,405	2,989
6215 Hospitalization insurance	37,594	31,792	44,773	50,069	45,220	55,512
6220 Life Insurance	256	181	209	267	189	286
6221 Long Term Disability Insurance	192	288	455	465	412	503
6225 Workers Compensation	5,740	4,903	6,180	5,810	6,180	6,287
6230 Vacation leave	(929)	(1,177)	15,994	2,968	(1,205)	3,058
6235 Sick leave	1,006	(8,976)	3,720	3,265	(5,539)	3,365
6240 Educational assistance	-	2,877	(2,527)	-	(350)	-
6250 Miscellaneous personnel benefits	24,864	35,299	10,632	42,000	11,198	55,000
6260 Vacancy Savings	-	-	-	(11,621)	-	(11,975)
<i>O&amp;M PERSONNEL TOTAL</i>	<u>352,612</u>	<u>310,193</u>	<u>379,683</u>	<u>387,218</u>	<u>334,550</u>	<u>429,860</u>
<i>O&amp;M NON-PERSONNEL</i>						
7105 Books & periodicals	-	-	296	500	423	200
7110 Dues & memberships	1,479	1,684	992	1,160	1,459	1,490
7115 Educational material	897	-	1,485	1,000	70	500
7120 Office supplies	4,991	2,546	1,092	1,000	1,071	1,000
7130 Postage/shipping charges	-	64	-	250	21	-
7135 Telephone expenses	-	-	-	500	-	-
7140 Training expenses	1,034	2,520	140	-	608	-
7145 Travel expenses	2,507	3,432	1,374	-	-	-
7147 Mileage Reimbursement (InTownExp)	-	-	5	50	-	50
7155 Initial Certificatn/Licensing Reimb	-	-	-	-	-	-
7299 Other materials & supplies	90	683	480	400	280	50
7315 Food, meals, ice, water	521	580	193	500	-	200
7325 Rental of equip/storage/land	277	431	378	1,000	77	500
7601 Legal Fees	-	-	-	-	-	-
7635 Software maintenance service fees	13,500	13,500	13,500	13,500	28,878	14,700
7699 Other services	50,621	42,143	44,524	38,000	28,084	38,000
7805 Computer equipment	-	-	-	-	-	-
7806 Software licenses-new	-	1,699	-	-	-	-
7820 Office furniture & equipment	1,727	585	270	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	<u>77,645</u>	<u>69,866</u>	<u>64,728</u>	<u>57,860</u>	<u>60,970</u>	<u>56,690</u>
	<b>430,257</b>	<b>380,059</b>	<b>444,411</b>	<b>445,078</b>	<b>395,520</b>	<b>486,550</b>



Department Responsibility: Jeffrey Stedje

Title: Facilities 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

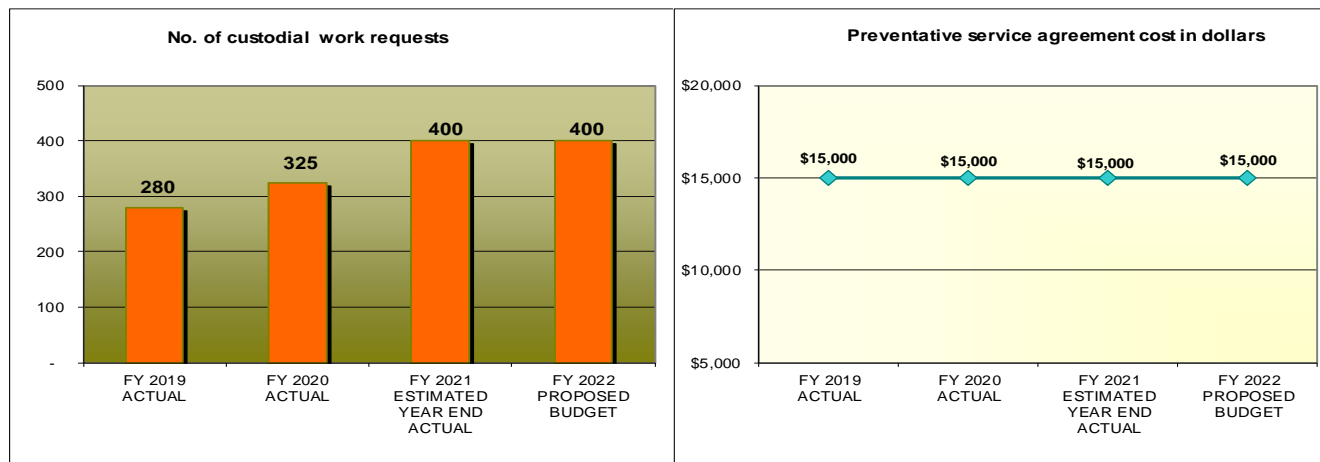
#### OUTCOME MEASURES

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 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 PROPOSED BUDGET
4	4	4	4
\$ 227,209	\$ 429,725	\$ 385,294	\$ 283,395
\$ 1,032,477	\$ 1,114,531	\$ 1,324,936	\$ 1,226,000
\$ 1,259,686	\$ 1,544,256	\$ 1,710,230	\$ 1,509,395
280	325	400	400
750	500	500	500
\$ 16,000	\$ 16,000	\$ 16,000	\$ 16,000
\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000
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	\$ 0.939



## DEPARTMENT 7160 – FACILITY MAINTENANCE

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 64,002	\$ 65,056	\$ 120,888	\$ 76,419	\$ 116,235	\$ 98,804
6115 Operational staff	77,068	75,538	145,742	76,128	128,594	82,686
6130 Overtime	1,546	2,176	1,321	5,023	4,426	3,719
6201 T.M.R.S.	26,201	25,291	47,399	27,047	44,226	31,852
6205 F.I.C.A.	8,620	8,297	16,009	9,458	14,308	11,252
6210 Medicare	2,016	1,940	3,744	2,212	3,346	2,632
6214 Dental Insurance	1,043	2,042	4,078	2,338	3,845	2,663
6215 Hospitalization insurance	32,463	34,969	66,885	38,038	72,269	48,677
6220 Life Insurance	170	145	255	187	234	216
6221 Long Term Disability Insurance	124	208	493	305	459	363
6225 Workers Compensation	3,663	3,570	6,785	3,814	6,240	4,537
6230 Vacation leave	4,251	3,928	9,442	1,948	(2,400)	2,207
6235 Sick leave	4,329	4,047	6,684	2,143	(6,489)	2,429
6260 Vacancy Savings	-	-	-	(7,627)		(8,642)
<i>O&amp;M PERSONNEL TOTAL</i>	225,496	227,209	429,725	237,432	385,294	283,395
<i>O&amp;M NON-PERSONNEL</i>						
7120 Office supplies	75	607	61	400		200
7130 Postage/shipping charges		-	27	100		100
7135 Telephone expenses	149,830	158,628	172,955	153,208	149,691	150,000
7140 Training expenses	-	217	-	400		400
7145 Travel expenses	-	2,333	-	1,728		4,500
7147 Mileage Reimbursement (InTownExp)	198	652	1,748	880	112	500
7155 Initial Certificatn/Licensing Reimb	-	298	-	600		600
7180 Utilities - departmental	117,159	125,558	168,100	250,000	92,384	170,000
7210 Landscaping/Trade a Tree Program	-	-	-	3,500		3,500
7225 Safety supplies					2,047	4,000
7299 Other materials & supplies	38,528	28,966	56,774	40,000	55,271	65,000
7310 Federal, state, & local fees	-	-	-	100		100
7315 Food, meals, ice, water	50	50	108	200		200
7335 Wearing apparel & dry goods	940	977	939	2,800	1,761	1,000
7415 Fuels & lubricants	40	6	171	180	324	400
7501 Maint. of buildings & structures	19,438	11,597	-	20,000	13,500	15,000
7599 Maintenance / other	6,453	-	-	-	8,475	10,000
7645 Maintenance services	47,486	69,468	72,986	75,000	84,081	75,000
7650 Security services	1,199	3,022	2,461	5,400	5,170	3,000
7660 Ground Keeping Maintenance	352,148	366,444	396,784	360,000	499,972	420,000
7699 Other services	226,572	260,493	231,918	200,000	409,118	300,000
7820 Office furniture & equipment	441	2,976	259	1,500		-
7899 Other minor tools & equipment	1,420	186	9,239	2,500	3,031	2,500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	961,977	1,032,477	1,114,531	1,118,496	1,324,936	1,226,000
	1,187,473	1,259,686	1,544,256	1,355,928	1,710,230	1,509,395



<b>Department Responsibility:</b>	<b>Eduardo Martinez</b>
<b>Title:</b>	<b>Health and Safety Manager</b>
<b>Telephone Ext:</b>	<b>6263</b>
<b>Dept. No:</b>	<b>7165</b>

**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

	<b>FY 2019 ACTUAL</b>	<b>FY 2020 ACTUAL</b>	<b>FY 2021 ESTIMATED YEAR END ACTUAL</b>	<b>FY 2022 APPROVED BUDGET</b>
Employees (FTE)		2	2	2
Total O&M Expenses		\$1,004,213	\$1,259,171	\$1,802,653
Roving Patrols	1,465	1,465	1,825	1,825
Static Guards	2,288	2,288	2,555	3,650
Supervisor Patrol	365	365	365	365
Daily Activity Reports Submitted	365	365	365	365
Deggy Reports	365	365	365	365
Facilities Secured	100%	100%	100%	100%

Note: New department created in 2020; FY 19 Input Measures funded from Dept. 1440.

## DEPARTMENT 7165 – SECURITY OPERATIONS

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ -	\$ -	\$ -	\$ 68,432	\$ -	\$ 68,432
6105 Administrative Staff	-	-	-	63,835	-	67,027
6201 T.M.R.S.	-	-	-	23,451	-	23,773
6205 F.I.C.A.	-	-	-	8,201	-	8,398
6210 Medicare	-	-	-	1,918	-	1,964
6214 Dental Insurance	-	-	-	1,293	-	1,293
6215 Hospitalization insurance	-	-	-	21,928	-	24,120
6220 Life Insurance	-	-	-	147	-	150
6221 Long Term Disability Insurance	-	-	-	265	-	271
6225 Workers Compensation	-	-	-	3,307	-	3,386
6230 Vacation leave	-	-	-	1,689	-	1,689
6235 Sick leave	-	-	-	1,858	-	1,858
6260 Vacancy Savings	-	-	-	(6,613)	-	(6,613)
<i>O&amp;M PERSONNEL TOTAL</i>	-	-	-	189,710	-	195,750
<i>O&amp;M NON-PERSONNEL</i>						
7120 Office supplies	-	-	-	1,500	-	200
7130 Postage/shipping charges	-	-	-	300	-	300
7225 Safety supplies	-	-	-	500	-	500
7299 Other materials & supplies	-	-	-	5,000	5,536	5,000
7650 Security services	-	-	1,004,213	1,335,500	1,249,655	1,582,903
7805 Computer equipment	-	-	-	-	3,980	8,000
7806 Software licenses-new	-	-	-	10,000	-	10,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	-	-	1,004,213	1,352,800	1,259,171	1,606,903
	-	-	1,004,213	1,542,510	1,259,171	1,802,653



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

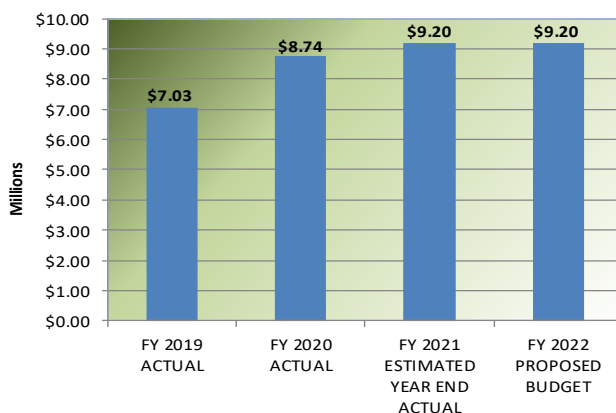
Inventory Accuracy  
Stores Issues/Returns  
No. of Year-End Commodity Adjustments

#### EFFICIENCY MEASURES

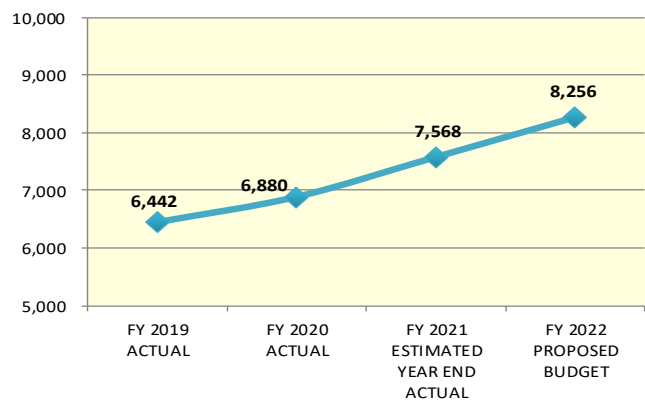
Stores Issues per Employee  
Value of Year End Inventory Adjustments  
Average Cost of Monthly Inventory

FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 PROPOSED BUDGET
6	5	5	6
\$ 291,101	\$ 283,931	\$ 299,191	\$ 301,310
\$ 34,503	\$ 68,114	\$ 82,866	\$ 43,836
\$ 325,604	\$ 352,045	\$ 382,057	\$ 345,146
\$ 7,032,579	\$ 8,742,351	\$ 9,200,000	\$ 9,200,000
6,442	6,880	7,568	8,256
99%	98%	98%	98%
6,477	6,944	7,290	7,290
183	274	150	150
1,619	1,736	1,823	1,823
\$ 776,644	\$ 63,249	\$ 50,000	\$ 50,000
\$ 586,048	\$ 728,529	\$ 76,667	\$ 76,667

**Fiscal Year End Inventory Value**



**Stores Requisitions**



## DEPARTMENT 7170 – WAREHOUSE

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ 48,547	\$ 48,734	\$ 50,459	\$ 50,128	\$ 50,321	\$ 52,634
6110 Clerical staff	31,217	20,400	-	-	-	-
6115 Operational staff	115,641	115,472	132,325	116,168	125,613	121,976
6130 Overtime	5,581	4,411	1,395	4,775	8,345	7,234
6201 T.M.R.S.	35,945	33,273	32,175	29,484	32,706	30,644
6205 F.I.C.A.	11,621	10,544	10,217	10,310	10,172	10,826
6210 Medicare	2,718	2,466	2,389	2,411	2,379	2,532
6214 Dental Insurance	1,597	2,872	3,073	3,396	3,060	3,396
6215 Hospitalization insurance	49,304	52,960	56,815	64,536	62,678	70,990
6220 Life Insurance	237	189	168	209	166	217
6221 Long Term Disability Insurance	164	267	320	333	317	349
6225 Workers Compensation	5,090	4,719	4,604	4,157	4,607	4,365
6230 Vacation leave	(1,002)	1,973	4,285	2,124	(1,466)	2,124
6235 Sick leave	(325)	(7,879)	(14,293)	2,336	293	2,336
6240 Educational assistance	2,605	699	-	-	-	-
6260 Vacancy Savings	-	-	-	(8,315)	-	(8,315)
<i>O&amp;M PERSONNEL TOTAL</i>	308,941	291,101	283,931	282,054	299,191	301,310
<i>O&amp;M NON-PERSONNEL</i>						
7120 Office supplies	46	75	1,527	-	242	-
7130 Postage/shipping charges	14	-	752	-	237	450
7145 Travel expenses	60	-	-	-	-	-
7215 Laundry & janitorial supplies	3	16	44	300	47,718	-
7225 Safety supplies	141	209	1,168	400	54	100
7299 Other materials & supplies	5,487	3,774	8,042	10,500	1,089	650
7315 Food, meals, ice, water	584	45	1,223	500	11,687	11,000
7325 Rental of equip/storage/land	-	-	9,915	-	239	500
7335 Wearing apparel & dry goods	2,615	2,222	1,660	1,293	-	-
7415 Fuels & lubricants	2,330	1,998	1,936	2,500	1,154	1,086
7501 Maint. of buildings & structures	-	-	7,821	-	2,538	2,500
7520 Maint. of minor equipment	475	-	-	500	-	-
7645 Maintenance services	1,182	1,858	2,225	4,500	614	750
7699 Other services	27,384	23,141	29,202	20,000	398	2,000
7805 Computer equipment	-	735	-	8,400	11,975	12,000
7806 Software licenses-new	-	-	-	-	4,814	800
7820 Office furniture & equipment	184	400	-	-	-	-
7835 Tools, shop and garage equipment	-	-	-	-	107	-
7899 Other minor tools & equipment	609	29	2,598	2,000	-	12,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	41,114	34,503	68,114	50,893	82,866	43,836
	350,055	325,604	352,045	332,947	382,057	345,146



Department Responsibility: **Jeffrey Stedje**

Title: **Facilities 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**

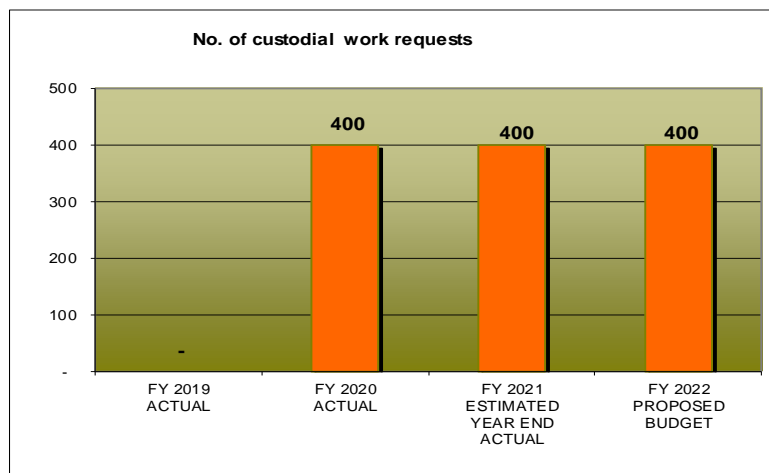
Maintain/ improve customer service  
Improve water conservation  
Limit repair cost

**EFFICIENCY MEASURES**

Square Feet of Facility Maintenance

FY 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 PROPOSED BUDGET
N/A	4	4	4
\$ -	\$ -	\$ 80,793	\$ 227,716
\$ -	\$ 27,282	\$ 104,909	\$ 217,230
\$ -	\$ 27,282	\$ 185,702	\$ 444,946
N/A	400	400	400
N/A	1,200	1,200	1,200
N/A	Yes	Yes	Yes
N/A	Yes	Yes	Yes
N/A	Yes	Yes	Yes
-	60,000	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 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ -	\$ -	\$ -	\$ 47,008	\$ 13,379	\$ 49,358
6115 Operational staff	-	-	-	78,187	23,556	82,097
6130 Overtime	-	-	-	3,500	839	4,658
6201 T.M.R.S.	-	-	-	22,197	6,739	23,070
6205 F.I.C.A.	-	-	-	7,762	2,162	8,150
6210 Medicare	-	-	-	1,815	506	1,906
6214 Dental Insurance	-	-	-	2,587	590	2,587
6215 Hospitalization insurance	-	-	-	43,855	12,582	55,076
6220 Life Insurance	-	-	-	160	37	166
6221 Long Term Disability Insurance	-	-	-	250	69	263
6225 Workers Compensation	-	-	-	3,130	944	3,286
6230 Vacation leave	-	-	-	1,599	11,047	1,599
6235 Sick leave	-	-	-	1,759	8,343	1,759
6260 Vacancy Savings	-	-	-	(6,260)		(6,260)
<i>O&amp;M PERSONNEL TOTAL</i>	-	-	-	207,550	80,793	227,716
<i>O&amp;M NON-PERSONNEL</i>						
7120 Office supplies	-	-	319	400	134	400
7130 Postage/shipping charges	-	-	-	100		100
7135 Telephone expenses	-	-	2,797	-	3,448	4,000
7140 Training expenses	-	-	-	200		400
7145 Travel expenses	-	-	-	-		
7147 Mileage Reimbursement (InTownExp)	-	-	201	1,500	71	600
7155 Initial Certificatn/Licensing Reimb	-	-	-	1,200		1,200
7180 Utilities - departmental	-	-	-	120,000	45,275	70,000
7210 Landscaping/Trade a Tree Program	-	-	-	5,000		5,000
7299 Other materials & supplies	-	-	19,027	20,000	18,259	20,000
7310 Federal, state, & local fees	-	-	-	100		100
7315 Food, meals, ice, water	-	-	-	70		70
7335 Wearing apparel & dry goods	-	-	-	1,400		1,260
7415 Fuels & lubricants	-	-	-	180		600
7501 Maint. of buildings & structures	-	-	50	10,000		5,000
7615 External auditor fees	-	-	-	-		-
7645 Maintenance services	-	-	100	25,000	7,867	7,000
7650 Security services	-	-	649	1,000	549	1,000
7660 Ground Keeping Maintenance	-	-	-	60,000		75,000
7699 Other services	-	-	2,872	120,000	28,594	25,000
7820 Office furniture & equipment	-	-	786	1,600		-
7899 Other minor tools & equipment	-	-	481	500	713	500
<i>O&amp;M NON-PERSONNEL TOTAL</i>	-	-	27,282	368,250	104,909	217,230
	-	-	27,282	575,800	185,702	444,946



Department Responsibility: **Jeffry Stedje**

Title: **Facilities Manager**

Telephone Ext: **6170**

Dept. No: **7180**

**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  
Sub-Contractor cleaning company

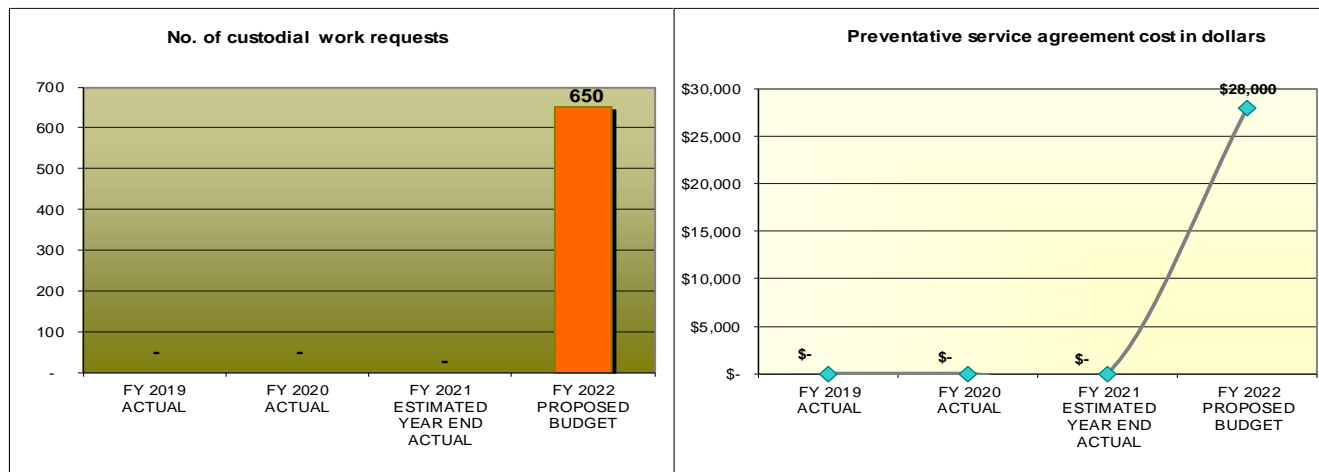
**OUTCOME MEASURES**

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 2019 ACTUAL	FY 2020 ACTUAL	FY 2021 ESTIMATED YEAR END ACTUAL	FY 2022 PROPOSED BUDGET
N/A	N/A	N/A	1
\$ -	\$ -	\$ -	\$ 79,539
\$ -	\$ -	\$ -	\$ 680,260
\$ -	\$ -	\$ -	\$ 759,799
N/A	N/A	N/A	650
N/A	N/A	N/A	1,300
N/A	N/A	N/A	\$ -
N/A	N/A	N/A	\$ 28,000
			\$ 250,000.00
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
-	-	-	78,130
-	-	-	-



## DEPARTMENT 7180 – FACILITY MAINTENANCE-ANNEX

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,276
6130 Overtime	-	-	-	-	-	-
6201 T.M.R.S.	-	-	-	-	-	8,823
6205 F.I.C.A.	-	-	-	-	-	3,117
6210 Medicare	-	-	-	-	-	729
6214 Dental Insurance	-	-	-	-	-	810
6215 Hospitalization insurance	-	-	-	-	-	15,478
6220 Life Insurance	-	-	-	-	-	59
6221 Long Term Disability Insurance	-	-	-	-	-	101
6225 Workers Compensation	-	-	-	-	-	1,257
6230 Vacation leave	-	-	-	-	-	611
6235 Sick leave	-	-	-	-	-	673
6250 Miscellaneous personnel benefits	-	-	-	-	-	(2,394)
<i>O&amp;M PERSONNEL TOTAL</i>	-	-	-	-	-	79,539
<i>O&amp;M NON-PERSONNEL</i>						
7120 Office supplies	-	-	-	-	-	400
7130 Postage/shipping charges	-	-	-	-	-	100
7135 Telephone expenses	-	-	-	-	-	10,000
7140 Training expenses	-	-	-	-	-	400
7145 Travel expenses	-	-	-	-	-	-
7147 Mileage Reimbursement (InTownExp)	-	-	-	-	-	800
7155 Initial Certificatn/Licensing Reimb	-	-	-	-	-	600
7180 Utilities - departmental	-	-	-	-	-	250,000
7210 Landscaping/Trade a Tree Program	-	-	-	-	-	1,000
7225 Safety supplies	-	-	-	-	-	500
7299 Other materials & supplies	-	-	-	-	-	50,000
7310 Federal, state, & local fees	-	-	-	-	-	100
7315 Food, meals, ice, water	-	-	-	-	-	-
7335 Wearing apparel & dry goods	-	-	-	-	-	260
7415 Fuels & lubricants	-	-	-	-	-	-
7501 Maint. of buildings & structures	-	-	-	-	-	10,000
7599 Maintenance / other	-	-	-	-	-	100
7645 Maintenance services	-	-	-	-	-	50,000
7650 Security services	-	-	-	-	-	4,000
7660 Ground Keeping Maintenance	-	-	-	-	-	50,000
7699 Other services	-	-	-	-	-	242,000
7820 Office furniture & equipment	-	-	-	-	-	-
7899 Other minor tools & equipment	-	-	-	-	-	10,000
<i>O&amp;M NON-PERSONNEL TOTAL</i>	-	-	-	-	-	680,260
	-	-	-	-	-	759,799



**Department Responsibility: Miguel A. Perez**

**Title: Chief Financial Officer**

**Telephone Ext: 6187**

**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 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M PERSONNEL</i>						
6101 Supervision	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6115 Operational staff	118	-	-	-	-	-
6120 Part-time staff	237,599	254,653	365,789	186,885	295,976	250,000
6130 Overtime	2,735	4,049	7,976	6,185	14,712	11,650
6201 T.M.R.S.	(302,516)	2,118,443	68,205	-	(2,486,883)	-
6205 F.I.C.A.	14,860	16,027	22,676	11,587	19,912	15,500
6206 Suta	4,909	4,995	-	-	2,641	-
6210 Medicare	3,475	3,748	5,303	2,710	4,676	3,625
6214 Dental Insurance	-	11	7	-	187	-
6215 Hospitalization insurance	346,640	336,476	445,086	524,808	(52,245)	673,693
6216 Other Post-Employment Benefits (ins)	1,420,773	2,630,485	1,894,664	1,000,000	1,396,993	1,000,000
6220 Life Insurance	-	5	1	-	28	-
6221 Long Term Disability Insurance	-	1	1	-	55	-
6225 Workers Compensation	6,551	6,811	10,329	4,672	8,994	6,250
6230 Vacation leave	-	-	-	-	-	-
6235 Sick leave	-	-	-	-	-	-
6240 Educational assistance	-	-	-	5,000	-	5,000
6250 Miscellaneous personnel benefits	-	-	-	150,000	-	150,000
6260 Vacancy Savings	-	-	-	-	-	-
6280 Gift Cards	-	-	-	-	14,519	-
<i>O&amp;M PERSONNEL TOTAL</i>	<i>1,735,144</i>	<i>5,375,703</i>	<i>2,820,035</i>	<i>1,891,847</i>	<i>(780,434)</i>	<i>2,115,718</i>

## **DEPARTMENT 9110 – COMPANY-WIDE EXPENSES**

ACCOUNT DESCRIPTION	ACTUAL FY 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M NON-PERSONNEL</i>						
7145 Travel expenses	-	-	-	-	-	-
7299 Other materials & supplies	-	-	-	-	-	-
7301 Bad debt expense	112,483	68,367	365,387	84,300	26,291	92,500
7306 SRWA O&M Assessment	3,844,573	3,818,338	3,785,726	3,960,083	3,960,083	4,000,741
7307 SRWA Dbt Svc Assessment	2,090,064	2,134,891	2,113,521	2,110,980	1,434,210	2,115,131
7310 Federal, state, & local fees	-	-	-	-	-	-
7315 Food, meals, ice, water	1,662	-	7,832	-	12,711	-
7325 Rental of equip/storage/land	-	491	-	-	-	-
7335 Wearing apparel & dry goods	12,324	17,756	21,027	20,000	2,978	5,000
7415 Fuels & lubricants	-	72,495	-	-	-	-
7697 O&M Contingency-Maintenance Pool	-	-	-	400,000	-	400,000
7698 O&M Contingency-Budget Pool	-	-	-	400,000	-	400,000
7699 Other services	15,458	632	1,212	15,000	194,817	5,000
7805 Computer equipment	-	-	-	50,000	-	20,000
7820 Office furniture & equipment	-	-	-	5,000	-	-
7899 Other minor tools & equipment	-	-	-	5,000	8,231	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	6,076,565	6,112,970	6,294,705	7,050,363	5,639,320	7,038,372
	7,811,709	11,488,673	9,114,740	8,942,210	4,858,886	9,154,090



Department Responsibility: Miguel A. Perez

Title: Chief Financial Officer

Telephone Ext: 6187

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 2018	ACTUAL FY 2019	ACTUAL FY 2020	APPROVED BUDGET FY 2021	UNAUDITED ACTUAL FY 2021	APPROVED BUDGET FY 2022
<i>O&amp;M NON-PERSONNEL</i>						
7135 Telephone expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7605 Engineering fees	-	-	-	-	-	-
7630 Construction contractor services	-	-	-	-	-	-
7820 Office furniture & equipment	-	-	-	-	-	-
<i>O&amp;M NON-PERSONNEL TOTAL</i>	-	-	-	-	-	-
	-	-	-	-	-	-

# ***CAPITAL BUDGET***

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

Line Ref.		[A] TOTAL CARRYOVER	[B] FY 2022	[C] FY 2023	[D] FY 2024	[E] FY 2025	[F] FY 2026	[G] FIVE-YEAR TOTAL
1	Improvement Fund - CIP Funding Budget:	32,057,340	3,417,392	18,420,388	15,024,177	5,725,400	3,715,400	78,360,097
2	<sup>1</sup> Improvement Fund - Surplus Funding Budget:	-	6,535,271	5,636,727	3,839,639	3,839,639	5,261,097	25,112,373
3	Improvement Fund-Capital Equipment Budget:	3,061,682	3,971,997	1,500,000	1,500,000	1,500,000	1,500,000	13,033,679
4	Improvement Fund-Facilities:	1,158,027	-	2,600,000	-	-	-	3,758,027
5	TOTAL IMPROVEMENT FUND SPENDING PLAN:	36,277,049	13,924,660	28,157,115	20,363,816	11,065,039	10,476,497	120,264,176
6	TOTAL IMPACT FEES SPENDING PLAN:	6,023,548	4,111,600	2,000,000	1,400,000	15,000,000	-	28,535,148
7	Commercial Paper Funding Budget-Internal:	13,714,832	21,467,708	31,774,358	19,355,884	23,138,563	9,543,690	118,995,035
8	Commercial Paper Funding Budget-Facilities:	2,642,227	-	-	-	-	-	2,642,227
9	<sup>2</sup> TOTAL COMMERCIAL PAPER SPENDING PLAN:	16,357,059	21,467,708	31,774,358	19,355,884	23,138,563	9,543,690	121,637,262
10	<sup>3,4,5</sup> TOTAL GRANTS SPENDING PLAN:	7,948	-	-	-	-	-	7,948
11	TOTAL PLANNED PROJECTS:	\$ 58,665,604	\$ 39,503,968	\$ 61,931,473	\$ 41,119,700	\$ 49,203,602	\$ 20,020,187	\$ 270,444,534
12	Approved Budget Total for Fiscal Year 2022:	\$ 98,169,572		Amended Budget Total for Fiscal Year 2021:		\$ 90,795,286		
				% Change (2022 vs 2021):		8.12%		

<sup>1</sup> Note: This is the AMI project which the Board approved the use of surplus funding for at the July meeting.

<sup>2</sup> Note: Total includes the carryover budget funded from the Commercial Paper Fund and future debt requirements for Fiscal Year 2022 and beyond.

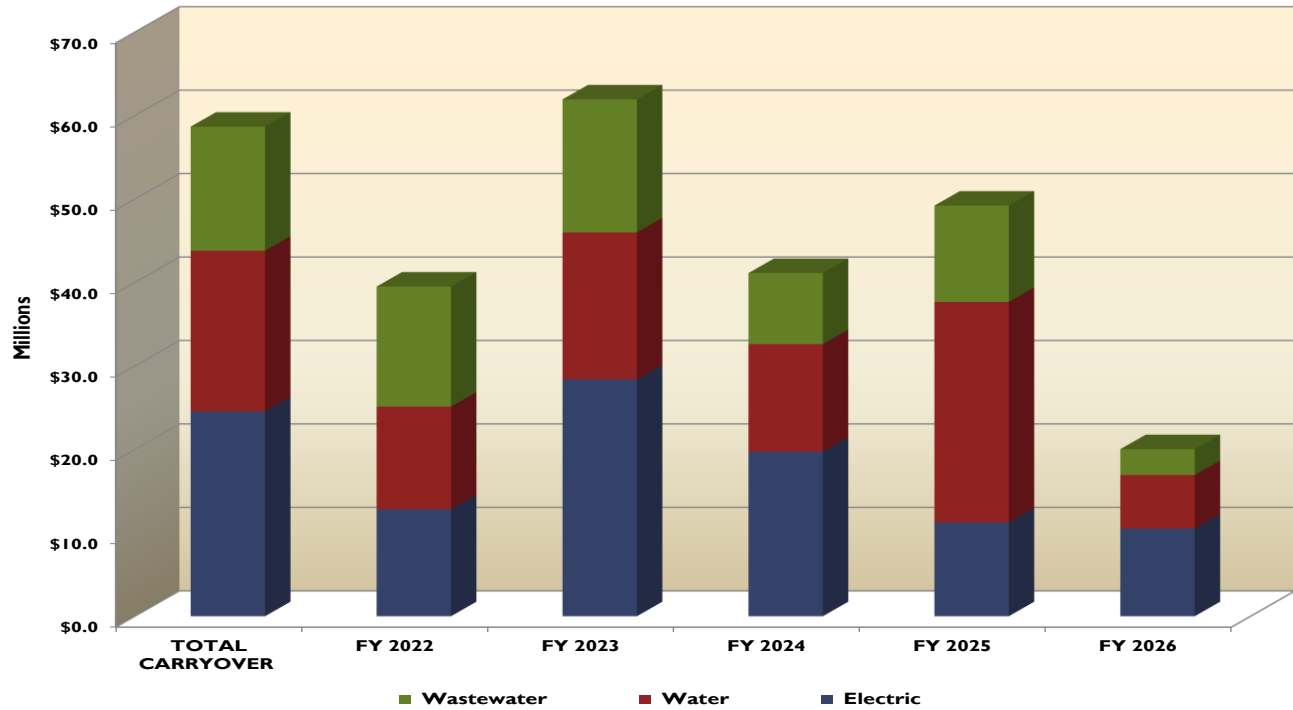
<sup>3</sup> Note: Amounts indicate the estimated project costs eligible for grants administered by the relevant state and/or federal agencies.

<sup>4</sup> Note: The RESTORE grant is an O&M grant and is not included in the Capital Improvement Plan.

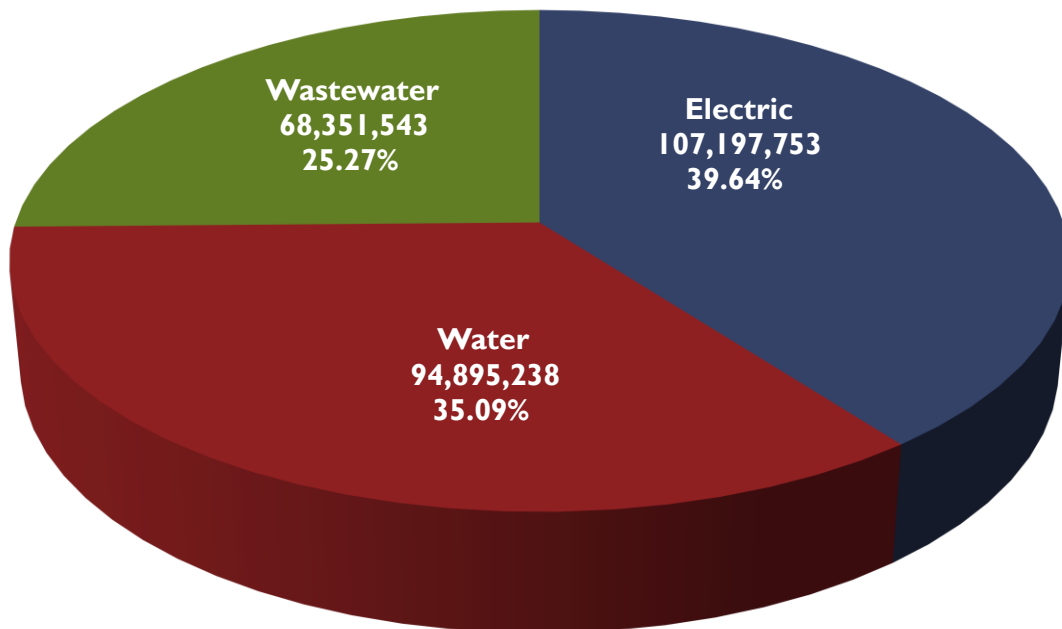
<sup>5</sup> Note: Projects to be funded from the American Rescue Plan (ARP) grants are not included in the Capital Improvement Plan.



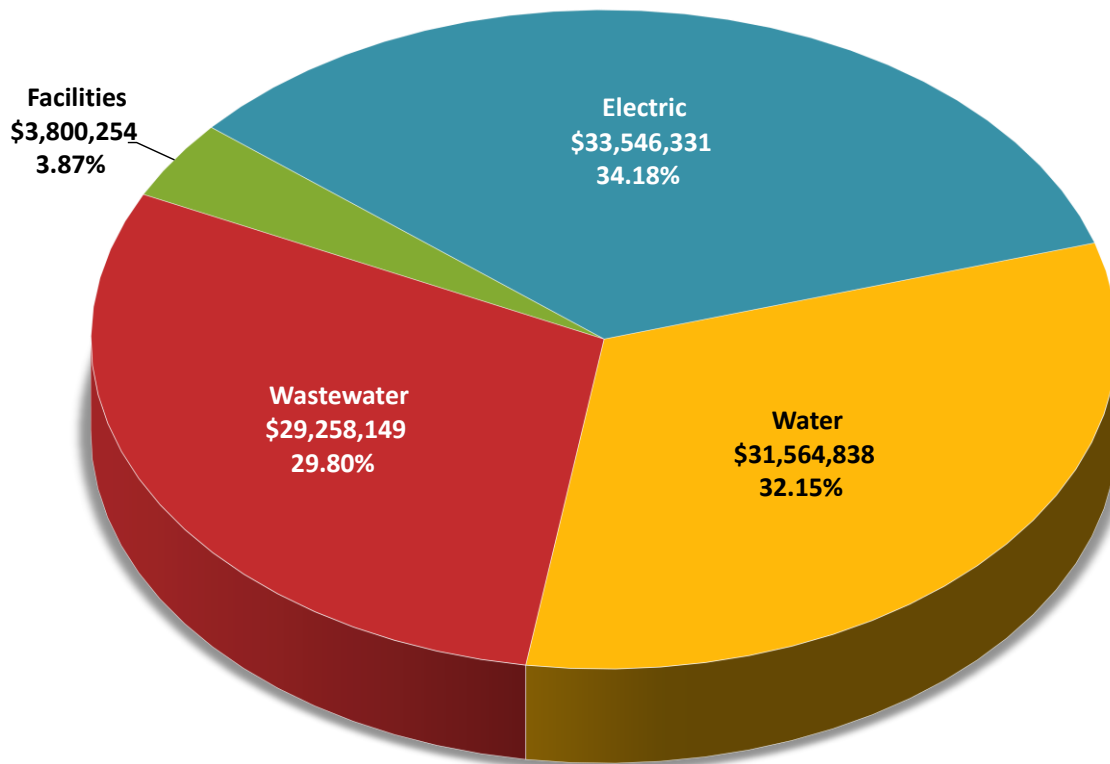
**FIVE-YEAR CAPITAL IMPROVEMENT PLAN  
SUMMARY BY UTILITY CHART  
\$270,444,534**



**TOTAL 5-YEAR CAPITAL IMPROVEMENT PLAN  
SUMMARY BY UTILITY  
\$270,444,534**



**FY 2022 CAPITAL BUDGET SUMMARY**  
**\$98,169,572**



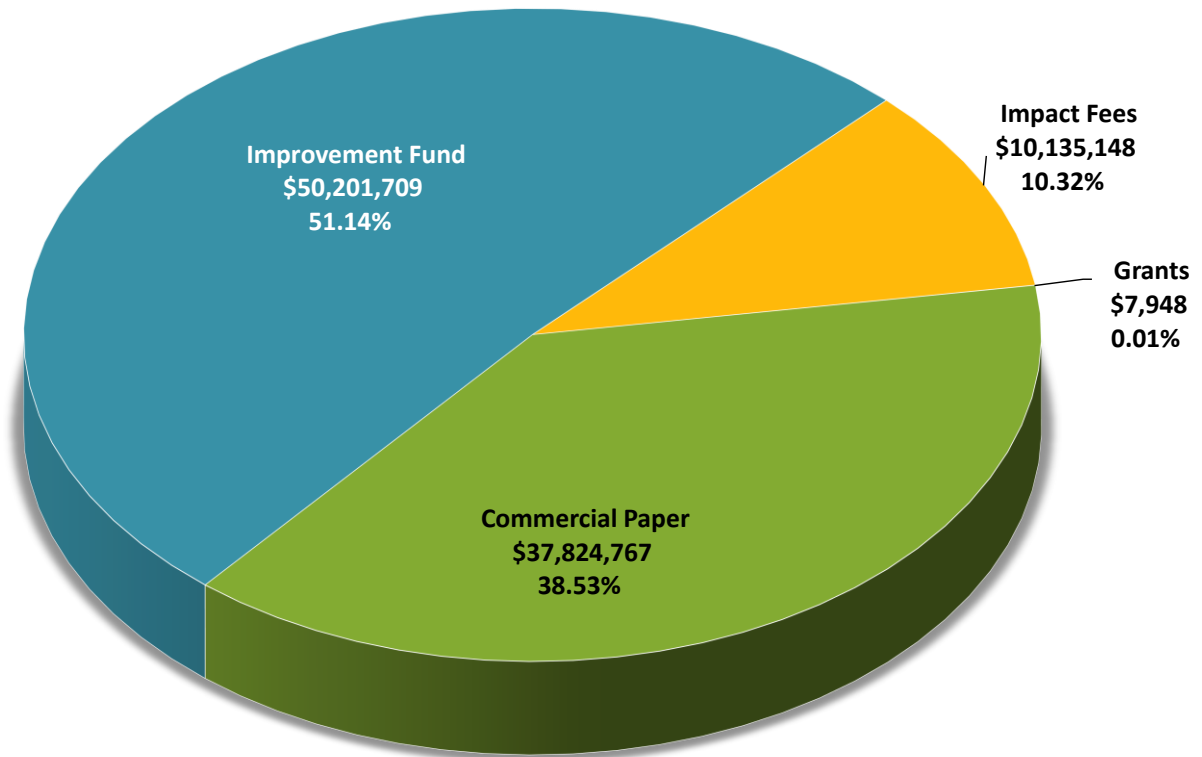

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Electric	\$	33,546,331	34.18%
Water		31,564,838	32.15%
Wastewater		29,258,149	29.80%
Facilities		3,800,254	3.87%
<b>TOTAL</b>	<b>\$</b>	<b>98,169,572</b>	<b>100.00%</b>

**Note:**

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

**FY 2022 CAPITAL BUDGET BY FUNDING SOURCE**  
**\$98,169,572**



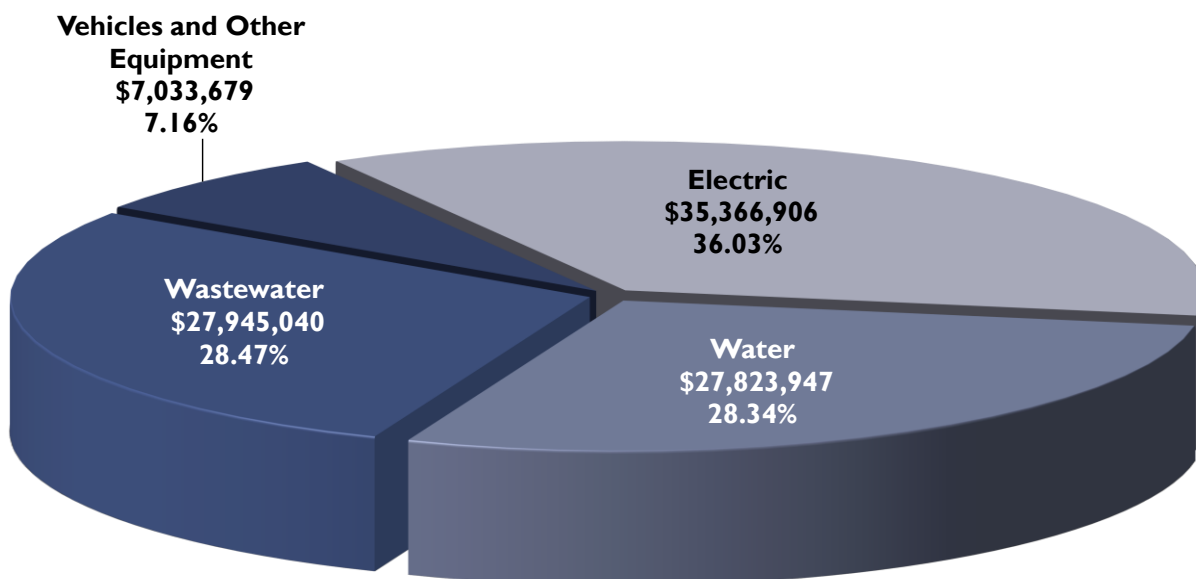

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Improvement Fund	\$	50,201,709	51.14%
Impact Fees		10,135,148	10.32%
Grants		7,948	0.01%
Commercial Paper		37,824,767	38.53%
<b>TOTAL</b>	<b>\$</b>	<b>98,169,572</b>	<b>100.00%</b>

**Note:**

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

**FY 2022 CAPITAL BUDGET BY SYSTEM**  
**\$98,169,572**




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Electric	\$	35,366,906	36.03%
Water		27,823,947	28.34%
Wastewater		27,945,040	28.47%
Vehicles and Other Equipment		7,033,679	7.16%
<b>TOTAL</b>	<b>\$</b>	<b>98,169,572</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.

In general, non-recurring capital projects do not significantly affect Brownsville PUB's current and future Operating & Maintenance (O&M) budgets. However, specific projects for new facilities such as the FM 511 Service Yard and the Annex building do require additions to the annual operating budget for new personnel, maintenance, groundskeeping, security, insurance and other expenses. In situations such as these, new departments are created for these facilities to capture these expenses in the O&M budget. For other non-recurring capital projects, adjustments are made within the affected department's O&M budget as needed for changes in expenses such as chemicals, service agreements and other routine expenses.

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 1

*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 Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$9,668	\$ -	\$ -	\$ -	\$ -	\$9,668

*Description: Purchase and installation of a 69 KV circuit breaker to replace an existing unit. Note: \$9,668 is the FY 2021 carryover amount.*

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

## PROJECT REFERENCE 2

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

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

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

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$4,212,400	\$ -	\$ -	\$ -	\$ -	\$4,212,400

*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: \$4,212,400 is the FY 2021 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 2022 – FY 2026

## PROJECT REFERENCE 3

*Replace 145KV breakers at 6<sup>th</sup> Street and Power Plant Substation*

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

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

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$120,384	\$ -	\$ -	\$ -	\$ -	\$120,384

*Description: Purchase and install three each 145KV circuit breakers at the Power Plant Substation.*

*Note: \$120,384 is the FY 2021 carryover amount.*

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

## PROJECT REFERENCE 4

*145KV circuit breaker replacements - various substations (Board-approved on 12/14/2020)*

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

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

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$33,638	\$ -	\$ -	\$ -	\$ -	\$33,638

*Description: Replace the circuit breakers at the Power Plant Substation. Note: \$33,638 is the FY 2021 carryover amount.*

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

## FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

### PROJECT REFERENCE 5

*Substations Control Buildings Roof Replacements for 6th Street, Titan and Loma Alta*

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

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

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$72,462	\$ -	\$ -	\$ -	\$ -	\$72,462

*Description: The original roofs of the control buildings are leaking. The water is starting to corrode the steel conduit. Due to the condition and age of the roofs, replace the roofs for the control buildings at the 6<sup>th</sup> Street, Titan and Loma Alta Substations. Note: \$72,462 is the FY 2021 carryover amount.*

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

### PROJECT REFERENCE 6

*Battery Banks Replacement at Titan and Power Plant Substations*

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 Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$66,190	\$ -	\$ -	\$ -	\$ -	\$66,190

*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. Note: \$66,190 is the FY 2021 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 2022 – FY 2026

## PROJECT REFERENCE 7

*Replace Control Building Roof for Midtown, Military Hwy, and Price Rd Substations*

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

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

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$75,000	\$ -	\$ -	\$ -	\$75,000

*Description: The original roofs of the control buildings are leaking. The water is starting to corrode the buildings, especially along the wall areas. Due to the condition and age of the roofs, replace the roofs for the control buildings at the Midtown, Military Highway, and Price Road Substations.*

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

## PROJECT REFERENCE 8

*acSELeRator Team SEL-5045 Software Implementation*

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

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

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$100,000	\$100,000	\$ -	\$ -	\$200,000

*Description: The current “event collection” software collects data of relay events for analysis after an event/default. The current software is obsolete. Purchase the current software from Schweitzer Engineering Laboratories (SEL) to replace the existing software.*

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

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 9

*Battery Banks Replacement at Midtown, 6<sup>th</sup> Street and South Plant Substations*

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

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

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$80,000	\$ -	\$ -	\$ -	\$80,000

*Description: Some of the individual cells are beginning to deteriorate. 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. Replace the battery banks and battery chargers at the Midtown, 6<sup>th</sup> Street and South Plant Substations.*

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

## PROJECT REFERENCE 10

*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: Commercial Paper  
Project Considered: Must Do  
Originator: Arnulfo Mejia  
Utility Function: Electric Transmission

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000

*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 24 total 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 2022 – FY 2026

## PROJECT REFERENCE 11

*Replace Circuit Switchers 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: Commercial Paper  
Project Considered: Reliability  
Originator: Arnulfo Mejia  
Utility Function: Electric Transmission

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$150,000	\$30,000	\$ -	\$ -	\$ -	\$180,000

*Description: The circuit switches, installed during 2007, are having communications problems between the transmitter and receiver, generating low gas pressure. When the crew investigates, the gauges are acceptable; and the crew resets the communication system to clear the alarms. Replace one each circuit switch at the FM 802 Substation and 6<sup>th</sup> Street Substation.*

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

## PROJECT REFERENCE 12

*Replace 138 KV breakers: 1 at Military Hwy, 2 at Midtown, 1 at 6th Street, 2 at Filter Plant and 3 at Power Plant*

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

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

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$600,000	\$150,000	\$ -	\$ -	\$ -	\$750,000

*Description: The breakers have mechanical problems with operating mechanism, which gets “stuck” after a command has been issued. As a result, the breaker does not automatically reclose in the event of a transmission line operation, which can cause prolonged outages or damage to other equipment inside the substation. Replace nine total circuit breakers for the Military Highway, Midtown, 6<sup>th</sup> Street, Filter Plant and Power Plant Substations.*

*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 2022 – FY 2026

## PROJECT REFERENCE 13

*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 Jr.  
Utility Function: Electric Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$423,191	\$ -	\$ -	\$ -	\$ -	\$423,191

*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: \$423,191 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 14

*Substation and Control Centers Video Camera Upgrade*

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 Jr.  
Utility Function: Electric Administration

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$350,000	\$ -	\$ -	\$ -	\$ -	\$350,000

*Description: Existing Cisco Video Media Software has reached end-of-sale date and is nearing end of life, which will terminate all support and patching. All video cameras are also outdated and are in constant need of repairs. 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. Note: \$350,000 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 15

*Open Systems International (OSI) Chronus Historian*

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Elias Quintero Jr.  
Utility Function: Electric Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$182,120	\$ -	\$ -	\$ -	\$182,120

*Description: With the addition of the Rio Grande Substation next to the Power Plant, the existing OSI system's Historian application software is not able to store the number of data points required for historical, reporting and compliance purposes. This project will upgrade the Historian application software to meet the Energy Control Center needs.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 16

*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 Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$316,208	\$ -	\$ -	\$ -	\$ -	\$316,208

*Description: The current SCADA system is in need of an upgrade with regard to software, hardware and other key components. Note: \$316,208 is the FY 2021 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 2022 – FY 2026

## PROJECT REFERENCE 17

*Estimated miscellaneous carryover project amount – Electric Distribution*

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, P.E.

Utility Function: Electric Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$888,479	\$ -	\$ -	\$ -	\$ -	\$888,479

*Description: This line item is the budget for the carryover projects rolled over from Fiscal Year 2021. Projects include the purchase and installation of a medium voltage switchgear for the river pumps, the installation of fiber optic cable and replacement of poles throughout the City and the conversion of electric cable/conduit from overhead to underground and security lights from high-pressure sodium (HPS) to LED at various locations throughout the City. Note: \$888,479 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 18

*Estimated miscellaneous carryover project amount – Electric Transmission*

Organization: 2410 Electric Engineering

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Improvement

Project Considered: Must Do

Originator: Eliazar Perez, P.E.

Utility Function: Electric Transmission

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$36,398	\$ -	\$ -	\$ -	\$ -	\$36,398

*Description: This line item is the budget for the carryover projects rolled over from Fiscal Year 2021. Projects include the purchase and installation of a transmission guy at the Annex Building and the replacement of a potential transformer at the Price Road Substation. Note: \$36,398 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 19

### *New Connections*

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

Funding Source: Improvement  
Project Considered: General  
Originator: Eliazar Perez, P.E.  
Utility Function: Electric Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$1,231,095	\$792,200	\$792,200	\$792,200	\$792,200	\$4,399,895

*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: \$800,260 is the FY 2021 carryover amount.*

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

## PROJECT REFERENCE 20

### *New Subdivisions*

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

Funding Source: Improvement  
Project Considered: General  
Originator: Eliazar Perez, P.E.  
Utility Function: Electric Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$1,056,941	\$1,220,000	\$1,220,000	\$1,220,000	\$1,220,000	\$5,936,941

*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: \$484,222 is the FY 2021 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 2022 – FY 2026

## PROJECT REFERENCE 21

### *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, P.E.  
Utility Function: Electric Distribution

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$306,109	\$95,300	\$95,300	\$95,300	\$95,300	\$687,309

*Description: Security lights provide illumination at private residences as well as commercial lots where street lights do not. Note: \$226,109 is the FY 2021 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 22

### *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, P.E.  
Utility Function: Electric Distribution

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$263,541	\$90,300	\$90,300	\$90,300	\$90,300	\$624,741

*Description: Street lights illuminate entrances, sections of roadways, streets, alleys and intersections throughout the City of Brownsville. Note: \$181,801 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 23

*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, P.E.  
Utility Function: Electric Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$799,834	\$1,517,600	\$1,517,600	\$1,517,600	\$1,517,600	\$6,870,234

*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: \$178,398 is the FY 2021 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 24

*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, P.E.  
Utility Function: Electric Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$43,765	\$ -	\$ -	\$ -	\$ -	\$43,765

*Description: Replace 37 each defective poles on the feeder located off of Boca Chica Boulevard. Replace three each of the 37 poles with 35-foot concrete poles along with relocating any lights from the old poles to the new poles. Note: \$43,765 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE E25

*Overhead to underground conversion along Les Mauldin Road from South Iowa Rd 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, P.E.  
Utility Function: Electric Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$78,597	\$ -	\$ -	\$ -	\$ -	\$78,597

*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. The project includes the conversion of existing area street lights with LED equivalent lights. Note: \$78,597 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 26

*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, P.E.  
Utility Function: Electric Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$650,000	\$ -	\$ -	\$ -	\$ -	\$650,000

*Description: Upgrade 54 each existing street light poles and fixtures along Billy Mitchell Boulevard with proposed new metroline poles and luminaires. Also, replace the existing conduit infrastructure to underground. Note: \$650,000 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 27

*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, P.E.

Utility Function: Electric Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$135,138	\$ -	\$ -	\$ -	\$ -	\$135,138

*Description: BPUB will install a new underground feeder circuit from the Airport Substation to Trico along Billy Mitchell Boulevard. Note: \$135,138 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 28

*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, P.E.

Utility Function: Electric Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$101,181	\$ -	\$ -	\$ -	\$ -	\$101,181

*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: \$101,181 is the FY 2021 carryover amount.*

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

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 29

### *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, P.E.

Utility Function: Electric Transmission

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$3,152	\$ -	\$ -	\$ -	\$ -	\$3,152

*Description: Replace the existing disconnect switches with new 161kV, 1200A disconnect switches.*

*Note: \$3,152 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 30

### *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, P.E.

Utility Function: Electric Transmission

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$310,245	\$ -	\$ -	\$ -	\$ -	\$310,245

*Description: Coordinate the transmission line re-route to the Sharyland Utilities Stillman switching station by upgrading the Loma Alta Substation. Note: \$310,245 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 31

*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, P.E.  
Utility Function: Electric Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$144,329	-	-	-	-	\$144,329

*Description: Coordinate the relay upgrades at the Loma Alta Substation to accommodate the Sharyland Utilities Stillman switching station, as requested by ERCOT. Note: \$144,329 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 32

*SRWA Water Wells Generators Project (Well No. 9, 10 and 17)*

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Eliazar Perez, P.E.  
Utility Function: Electric Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$198,374	\$ -	\$ -	\$ -	\$ -	\$198,374

*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: \$198,374 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 33

### *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, P.E.  
Utility Function: Electric Distribution

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 34

### *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, P.E.  
Utility Function: Electric Distribution

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 35

*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, P.E.  
Utility Function: Electric Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$182,496	\$ -	\$ -	\$ -	\$ -	\$182,496

*Description: Installation of underground conductor and the equipment necessary to create an alternate service feeder to the proposed Administration Building Annex. Note: \$182,496 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 36

*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, P.E.  
Utility Function: Electric Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$69,344	\$ -	\$ -	\$ -	\$ -	\$69,344

*Description: Extend the feeder and tie along Coffee Road by installing new poles, conduit and the necessary equipment. Note: \$69,344 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 37

*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, P.E.  
Utility Function: Electric Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$17,716	\$ -	\$ -	\$ -	\$ -	\$17,716

*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: \$17,716 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 38

*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, P.E.  
Utility Function: Electric Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$5,718	\$ -	\$ -	\$ -	\$ -	\$5,718

*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: \$5,718 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 39

*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, P.E.  
Utility Function: Electric Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$87,500	\$ -	\$ -	\$ -	\$ -	\$87,500

*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: \$87,500 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 40

*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, P.E.  
Utility Function: Electric Administration

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$14,424	\$ -	\$ -	\$ -	\$ -	\$14,424

*Description: Extend approximately 20,000 feet of new 48-strand fiber optic cable from the Southmost Library to the new Airport Terminal. Note: \$14,424 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 41

### *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, P.E.  
Utility Function: Electric Distribution

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$58,120	\$ -	\$ -	\$ -	\$ -	\$58,120

*Description: Install equipment to allow for the implementation of a Distribution Management System at two each pilot feeders. Note: \$58,120 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 42

### *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, P.E.  
Utility Function: Electric Distribution

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 43

*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, P.E.  
Utility Function: Electric Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$225,662	\$ -	\$ -	\$ -	\$ -	\$225,662

*Description: Install 6 each automatic transfer switches throughout the City of Brownsville. Note: \$225,662 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 44

*28MVA 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 Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$162,216	\$ -	\$ -	\$ -	\$ -	\$162,216

*Description: Purchase a new 138/12.47kV 28 MVA power transformer, for use as a spare for the Military Highway Substation. Note: \$162,216 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 45

*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 Jr, P.E.  
Utility Function: Electric Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$156,586	\$413,683	\$1,000,000	\$ -	\$ -	\$1,570,269

*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: \$156,586 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 46

*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, P.E.  
Utility Function: Electric Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$250,000	\$ -	\$ -	\$ -	\$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 2022 – FY 2026

## PROJECT REFERENCE 47

*Purchase and Install a Second Power Transformer at the Water Port 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, P.E.

Utility Function: Electric Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$942,500	\$942,500	\$ -	\$ -	\$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 48

*Install Electrical Conductor and Conduit at Isla de Palmas Subdivision Section I, II, III, IV, and V*

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, P.E.

Utility Function: Electric Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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 materials. Note: \$168,000 is the FY 2021 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 2022 – FY 2026

## PROJECT REFERENCE 49

*Install Electrical Conductor and Conduit at Timbers Subdivision Section I, II and III*

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, P.E.

Utility Function: Electric Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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 2021 carryover amount.*

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

## PROJECT REFERENCE 50

*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: Eliazar Perez, P.E.

Utility Function: Electric Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$250,000	\$ -	\$ -	\$ -	\$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 2022 – FY 2026

## PROJECT REFERENCE 51

### *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: Luis Guillermo Martinez, P.E.  
Utility Function: Electric Transmission

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$64,440	\$ -	\$ -	\$ -	\$ -	\$64,440

*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. Note: \$64,440 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 52

### *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: Eleazar Ruiz Jr, P.E.  
Utility Function: Electric Distribution

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$110,000	\$ -	\$ -	\$ -	\$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*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 53

*Union Carbide 69 kV to 138 kV Conversion and Transmission Line Work*

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

Funding Source: Commercial Paper  
Project Considered: Reliability  
Originator: Emmanuel Benitez, P.E.  
Utility Function: Electric Transmission

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$400,000	\$3,750,000	\$3,475,000	\$ -	\$ -	\$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, 28MVA power transformer, two each circuit switchers, new relay protection system, new 12.5 V DC backup system, outdoor 12.5kV metalclad switchgears, and new control buildings. Install 138 kV transmission line to re-route the existing Price Road and 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 Water Port 138 kV transmission line to the upgraded Union Carbide Substation.*

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

## PROJECT REFERENCE 54

*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: Commercial Paper  
Project Considered: Reliability  
Originator: Eleazar Ruiz Jr., P.E.  
Utility Function: Electric Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$293,200	\$150,000	\$ -	\$ -	\$ -	\$443,200

*Description: The BPUB proposes to extend two new distribution feeders to meet the demands of its customers. In addition to serving significant development in the area, the proposed feeders are 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 2022 – FY 2026

## PROJECT REFERENCE 55

*3ea spare 145KV circuit breakers*

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

Funding Source: Commercial Paper  
Project Considered: Load/Capacity Relief  
Originator: Eleazar Ruiz Jr., P.E.  
Utility Function: Electric Transmission

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$148,583	\$ -	\$ -	\$ -	\$ -	\$148,583

*Description: Purchase 3 each 145KV circuit breakers, which will be stored as spares. Note: \$148,583 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 56

*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: Emmanuel Benitez, P.E.  
Utility Function: Electric Transmission

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$3,029,092	\$3,300,000	\$ -	\$ -	\$ -	\$6,329,092

*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 purchase and 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, a relay switchboard panel, 125V DC backup system, an outdoor 12.5kV metalclad switchgear, and control building. Note: \$2,829,092 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 57

*Electric System Construction Contract (Labor Only for Non-Site Specific Construction)*

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

Funding Source: Commercial Paper  
Project Considered: General  
Originator: Eleazar Ruiz Jr., P.E.  
Utility Function: Electric Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$2,000,000	\$ -	\$ -	\$ -	\$ -	\$2,000,000

*Description: This item will provide funding for the contractor to perform various types of electric utility work to meet the needs of the growing electric system. The contractor will provide labor and equipment composing of at least one crew to provide non-site specific construction, repair and maintenance in rural and non-rural areas of BPUB's electrical system. BPUB will supply all non-consumable and non-expendable materials for each work assignment. This project will ensure timely electrical installations without sacrificing electrical maintenance programs that sustain and improve reliability. Note: \$417,000 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 58

*Advanced Metering Infrastructure (AMI) – electric*

Organization: 6105 Customer & Information Services  
Project Related to: Replacement/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Carryover

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

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$3,332,988	\$2,874,731	\$1,958,216	\$1,958,216	\$2,694,691	\$12,818,842

*Description: BPUB will optimize meter reading, customer service, operational efficiency and electric use-efficiency efforts through the procurement and installation of AMI technology. The scope of work includes materials, supervision, installation, and retrofitting/replacing approximately 57,000 meters. Purchase and install new communications networks to transmit the large volume of interval load data from the meter to the utility systems. Purchase and install the meter data management system (MDMS) to store and process the interval load data; and to integrate the meter data with key information and control systems, including head-end systems (Customer Information System, Geographic Information System, etc.).*

*Project Cost Savings & Revenues: The costs of labor and transportation will be greatly reduced.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 59

*Asset Management Strategic Plan Analysis Project*

Organization: 7135 Geographic Information Systems  
Project Related to: Replacement/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Carryover

Funding Source: Improvement  
Project Considered: General  
Originator: Hazael Becerra  
Utility Function: Electric Administration

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$150,000	\$ -	\$ -	\$ -	\$ -	\$150,000

*Description: This project will provide the hardware needed to implement the Asset Management Strategic Plan. Note: \$150,000 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 60 and 61

*Hidalgo Capital Improvements*

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

Funding Source: Improvement and  
Commercial Paper  
Project Considered: Load/Capacity Relief  
Originator: Rolando Lozano, P.E.  
Utility Function: Electric Generation

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$1,039,303	\$500,000	\$ -	\$ -	\$ -	\$1,539,303

*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: \$739,303 is the FY 2021 carryover amount funded from the Improvement Fund.*

*Project Cost Savings & Revenues: Improve the plant's 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 2022 – FY 2026

## PROJECT REFERENCE 62

### *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, P.E.

Utility Function: Electric Generation

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$731,261	\$ -	\$ -	\$ -	\$ -	\$731,261

*Description: Replacement of cooling tower designed for the specific application to reduce maintenance cost, liability and improve performance. Note: \$731,261 is the FY 2021 carryover amount.*

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

## PROJECT REFERENCE 63

### *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 Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$33,603	\$ -	\$ -	\$ -	\$ -	\$33,603

*Description: Replace obsolete electromechanically based relay protection for Unit 9, as required for NERC Reliability Standard compliance. Note: \$33,603 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE E64

*Unit 6 Improvements, HRSG Economizer Panel Replacement and Generator Gas Analyzer*

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, P.E.

Utility Function: Electric Generation

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$1,880,687	\$ -	\$ -	\$ -	\$ -	\$1,880,687

*Description: Replace the Heat Recovery System Generator (HRSG) economizer section, which has reached the end of its useful life, by purchasing and installing three each split lower header economizer panels and a generator gas analyzer system. Note: \$1,880,687 is the FY 2021 carryover amount*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 65

*Unit 6 Improvement Project*

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, P.E.

Utility Function: Electric Generation

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$1,500,000	\$6,863,977	\$ -	\$ -	\$8,363,977

*Description: The existing 60-year-old steam turbine exhibits expected signs of fatigue and no longer meets modern design criteria for responsive load demand.*

*Project Cost Savings & Revenues: Minimize repair costs.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 66

### *Unit 10 Ovation Control Upgrade*

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

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Rolando Lozano, P.E.  
Utility Function: Electric Generation

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$871,000	\$ -	\$ -	\$ -	\$871,000

*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*

## PROJECT REFERENCE 67

### *HRSB Duct Burner System Improvement Project*

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

Funding Source: Commercial Paper  
Project Considered: Must Do  
Originator: Rolando Lozano, P.E.  
Utility Function: Electric Generation

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$130,000	\$ -	\$ -	\$ -	\$ -	\$130,000

*Description: The current Heat Recovery Steam Generator duct burner system is in an outdoor location and has been in service for 25 years. In order to meet ERCOT requirements for summer weatherization preparations, procure the materials, equipment and services required to replace the current system.*

*Project Cost Savings & Revenues: Minimize repair costs.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 68

### *Silas Ray Fuel Gas System Improvement Project*

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

Funding Source: Commercial Paper  
Project Considered: Must Do  
Originator: Rolando Lozano, P.E.  
Utility Function: Electric Generation

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$689,000	\$ -	\$ -	\$ -	\$ -	\$689,000

*Description: The current system does not meet ERCOT's requirements for a black start. The project proposes to optimize the availability and reliability of the plant by analyzing and upgrading/replacing the current system.*

*Project Cost Savings & Revenues: Minimize repair costs.*

## PROJECT REFERENCE 69

### *Digital Control System (DCS) Windows 10 Upgrade*

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

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Rolando Lozano, P.E.  
Utility Function: Electric Generation

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$1,460,514	\$ -	\$ -	\$ -	\$1,460,514

*Description: The current DCS, situated in the Control Room, has been in service for 7 years. The current Windows software does not support the current DCS. Upgrade the existing Emerson Ovation DCS to Windows 10.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 70

*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 Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$ -	\$ -	\$4,000,000	\$2,553,480	\$6,553,480

*Description: Install a new stack damper; replace Unit 6 turbine; refurbish or replace circulating water lines. The project includes elements of relay protection, condition monitoring and governing control.*

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

## PROJECT REFERENCE 71

*Gas pipeline right-of-way project completion*

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 Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$180,877	\$ -	\$ -	\$ -	\$ -	\$180,877

*Description: Engineering and feasibility services and right-of-way acquisitions for the proposed natural gas pipeline. Note: \$180,877 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 72

### *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 Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$168,604	\$ -	\$ -	\$ -	\$ -	\$168,604

*Description: This line item is the budget for the carryover capital equipment. These items include purchases of office, warehouse and other equipment for several departments. Note: \$168,604 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 73

### *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 Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$1,811,075	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$7,811,075

*Description: This line item will provide funding for the purchase of new capital equipment. These items include purchases of vehicles and other equipment for several departments.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 74

*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, P.E.

Utility Function: General Administration

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$212,584	\$ -	\$ -	\$ -	\$ -	\$212,584

*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: \$212,584 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 75

*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 , P.E.

Utility Function: General Administration

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$122,584	\$ -	\$ -	\$ -	\$ -	\$122,584

*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: \$122,584 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 76

### *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, P.E.  
Utility Function: General Administration

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$4,212	\$ -	\$ -	\$ -	\$ -	\$4,212

*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: \$4,212 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 77

### *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, P.E.  
Utility Function: General Administration

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$305,589	\$ -	\$ -	\$ -	\$ -	\$305,589

*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: \$305,589 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 78

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

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

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Nancy Tello  
Utility Function: General Administration

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$223,607	\$ -	\$ -	\$ -	\$ -	\$223,607

*Description: The implementation of the ECM System 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: \$223,607 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: BPUB will not have to spend funds every six months to add 20 terabytes of storage capacity and will not have to store paper records since the retention period will be incorporated into the ECMS.*

## PROJECT REFERENCE 79

*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 Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$2,000,000	\$ -	\$ -	\$ -	\$2,000,000

*Description: The Analytical Laboratory building was designed for drinking water analyses and was completed in March 2000. New federal and state implemented requirements mandate laboratories to comply with the National Environmental Laboratories Accreditation Program (NELAP). The required analyses required more bench space. 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/expense savings.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 80

### *HVAC Replacement Project*

Organization: 1422 Analytical Lab

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Improvement

Project Considered: General

Originator: Vicente Guerrero III

Utility Function: General Administration

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$174,211	\$ -	\$ -	\$ -	\$ -	\$174,211

*Description: The current HVAC system has several leaks in the chillers and air ducts. Replacement is necessary due to chiller corrosion leaks, building internal condensation issues and the age of the equipment. This project will replace two each chillers, the air handling unit, the section supply air duct and other materials necessary to replace the current system.*

*Project Cost Savings & Revenues: Reduced costs for HVAC system repairs.*

## PROJECT REFERENCE 81

### *SCADA Yard Communication Tower – Phase I*

Organization: 2210 SCADA & Electrical Support Services

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover and Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Elias Quintero Jr.

Utility Function: General Administration

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$829,568	\$ -	\$ -	\$ -	\$ -	\$829,568

*Description: Design, purchase and implement the replacement of a communication tower for the electric, water and wastewater SCADA systems. Note: \$383,932 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 82

*SCADA Yard Communication Tower – Phase 2 and 3*

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 Jr.  
Utility Function: General Administration

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$277,800	\$342,800	\$ -	\$ -	\$ -	\$620,600

*Description: Design, purchase and implement the replacement of a communication tower for the SCADA 24V terminal unit locations and access points.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 83

*Cayenta Utilities (UMS) Upgrade*

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

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Norma A. Gomez  
Utility Function: Customer Service

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$32,668	\$ -	\$ -	\$ -	\$ -	\$32,668

*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: \$32,668 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 84

*Bill Print – Implementation and license for Planet Press Software*

Organization: 6135 CIS Support

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Improvement

Project Considered: Must Do

Originator: Norma A. Gomez

Utility Function: Customer Service

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$6,419	\$ -	\$ -	\$ -	\$ -	\$6,419

*Description: Purchase and implementation of the license and hardware for printing the utility bills.*

*Note: \$6,419 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 85

*Cayenta The Customer Engagement Portal*

Organization: 6135 CIS Support

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Improvement

Project Considered: Must Do

Originator: Norma A. Gomez

Utility Function: Customer Service

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$243,140	\$ -	\$ -	\$ -	\$243,140

*Description: The current Customer Self Service Portal is outdated and not compatible with the recently updated Outage Management System (OMS). Cayenta, the vendor providing the Customer Information System, will no longer support the current portal. Purchase and implement Cayenta's Customer Engagement Portal, which includes the Customer Engagement Portal, Engager Mobile App, basic Customer Preference Management functionality, and integration to the OMS.*

*Project Cost Savings & Revenues: Reduce labor costs incurred to answer customer requests for outage, bill and historical information.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 86

### *Pure Storage Expansion*

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

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

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$13,058	\$ -	\$ -	\$ -	\$ -	\$13,058

*Description: Multiple hard disk environments handle BPUB's storage needs. The updated will allow Information Technology Department staff to standardize to one storage platform. This platform will create instant backups and data replication to BPUB's secondary data center. The backup will allow for faster restoration of large amounts of data faster in case of natural or hardware disaster. \$13,058 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 87

### *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 Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$34,222	\$ -	\$ -	\$ -	\$ -	\$34,222

*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: \$34,222 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 88

*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 Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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 the City 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 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 89

*IT Room Generator at Power Plant (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 Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$81,757	\$ -	\$ -	\$ -	\$ -	\$81,757

*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 a single-phase 120/240V 130kW diesel generator to serve as backup power for the IT Data Center. Note: \$81,757 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 90

*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 Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$7,220	\$ -	\$ -	\$ -	\$ -	\$7,220

*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: \$7,220 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 91

*APC / UPS - DataCenter Hardware Replacement*

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 Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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. Note: \$50,000 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 92

*Mobile Time Entry for the mobile work force*

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

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

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$28,781	\$ -	\$ -	\$ -	\$ -	\$28,781

*Description: Develop the software and purchase the hardware needed to create the Mobile Time Entry system, which will allow personnel to submit time entry data out in the field. Note: \$28,781 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 93

*Cybersecurity appliances*

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 Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$23,949	\$ -	\$ -	\$ -	\$ -	\$23,949

*Description: Install next-generation firewalls in order to detect and protect the system environment. These appliances will allow a more centralized view to enable a more granular security of software applications, improve network security and simplify the network workload. Note: \$23,949 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 94

*Information technology for Annex Building*

Organization: 7130 Information Technology

Project Related to: Emergency

Project Occurrence: One-time

Category: Carryover

Funding Source: Improvement

Project Considered: Must Do

Originator: Sergio Martinez

Utility Function: General Administration

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$123,000	\$ -	\$ -	\$ -	\$ -	\$123,000

*Description: Purchase and installation of information technology for the new Annex Building. Note: \$123,000 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 95

*Dell FX Chassis and Storage – Administration Building*

Organization: 7130 Information Technology

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover and Resubmission

Funding Source: Improvement

Project Considered: Must Do

Originator: Sergio Martinez

Utility Function: General Administration

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$123,000	\$ -	\$ -	\$ -	\$ -	\$123,000

*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 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 96

*FM 511 Tower*

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

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Jose Luis Lopez Jr.  
Utility Function: General Administration

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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. This tower 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 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 97

*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: Jose Luis Lopez Jr.  
Utility Function: General Administration

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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 2022 – FY 2026

## PROJECT REFERENCE 98

*Cisco Core Networking Equipment – Annex Building*

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

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Jose Luis Lopez Jr.  
Utility Function: General Administration

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$100,000	\$ -	\$ -	\$ -	\$ -	\$100,000

*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*

## PROJECT REFERENCE 99

*E911 and Cisco Switch Upgrade*

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

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Jose Luis Lopez Jr.  
Utility Function: General Administration

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$226,000	\$ -	\$ -	\$ -	\$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 upgrades.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 100

*Next Gen 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: Jose Luis Lopez Jr.  
Utility Function: General Administration

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$120,000	\$120,000	\$ -	\$ -	\$ -	\$240,000

*Description: Due to stringent cybersecurity policies by the state and external audits, purchase and install next-generation appliances for enhanced detection and protection of the system environment. These appliances will allow 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 101

*Phone system blades and storage*

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Jose Luis Lopez Jr.  
Utility Function: General Administration

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$125,000	\$120,000	\$ -	\$ -	\$245,000

*Description: Purchase and install additional blades and storage, which will be used for server replacement, disk expansion and growth.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 102

*Enterprise Backup Appliance DR4100*

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Jose Luis Lopez Jr.  
Utility Function: General Administration

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$75,000	\$ -	\$ -	\$ -	\$ -	\$75,000

*Description: Purchase and install the appliance, which will be used to backup enterprise systems used by BPUB.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 103

*Firewall security appliances*

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Jose Luis Lopez Jr.  
Utility Function: General Administration

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$125,000	\$225,000	\$ -	\$ -	\$ -	\$350,000

*Description: Upgrade the firewall security appliances, which are near the end of life. The upgrade will enhance all system environments and will make all business and critical applications more secure.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 104

### *Enterprise Storage*

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Jose Luis Lopez Jr.  
Utility Function: General Administration

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$252,000	\$ -	\$ -	\$ -	\$252,000

*Description: The current storage area network consists of multiple outdated hard disk environments that handle all of the storage needs for BPUB. Upgrading will allow the Information Technology Department to standardize the hardware on one storage platform and replication to the secondary data center at the Power Plant.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 105

### *Loading/Unloading Facility to disinfect water tankers for SpaceX – engineering and construction*

Organization: 1420 Environmental Compliance  
Project Related to: Growth  
Project Occurrence: One-time  
Category: New

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Ramiro Capistran Jr.  
Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$200,000	\$ -	\$ -	\$ -	\$200,000

*Description: The current process involves rotating between three different locations and use of labor and chemicals to disinfect the water tankers on a monthly basis, as required by TCEQ rules. Design and construct a dedicated loading/unloading facility with the necessary pipes, valves and instruments. The facility will include a concrete skit with steel roof cover, fire hydrant with back flow device and meter, lift station or manhole, stairs to access the tank and a dedicated work area for conducting the required lab analyses of the water in the tankers.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 106

*SRWA Wells Fiber Optic Communications*

Organization: 2210 SCADA & Electrical Support Serv.      Funding Source: Improvement  
Project Related to: Replacements/Upgrades/Rehabilitation      Project Considered: Reliability  
Project Occurrence: One-time      Originator: Elias Quintero Jr.  
Category: Resubmission      Utility Function: Water Administration

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$505,000	\$ -	\$ -	\$ -	\$505,000

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

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 107

*Raw Water Pump Station – engineering (Packet 4) and construction*

Organization: 3120 Water Plant I      Funding Source: Improvement  
Project Related to: Replacements/Upgrades/Rehabilitation      Project Considered: Reliability  
Project Occurrence: One-time      Originator: Domingo Cortez Jr.  
Category: Carryover      Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$770,911	\$ -	\$ -	\$ -	\$ -	\$770,911

*Description: Procure engineering and construction 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: \$770,911 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 108

*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 Jr

Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$38,308	\$ -	\$ -	\$ -	\$ -	\$38,308

*Description: Procure engineering services to rehabilitate High Service Pump Station No. 1 by replacing the electrical building, outside transformers and electrical controls. Note: \$38,308 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 109

*High Service Pump Station No. 2 – engineering (Packet 4) Pump and Motor Replacement*

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 Jr

Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$23,775	\$ -	\$ -	\$ -	\$ -	\$23,775

*Description: Procure engineering services to rehabilitate High Service Pump Station No. 2 with new pumps, motor and piping, and electrical controls. Note: \$23,775 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 110

*High Service Pump Station No. 2 – (Packet t) Pump and Motor Replacement construction*

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover and Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Domingo Cortez Jr

Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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 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.*

## PROJECT REFERENCE 111

*Access Control and Facility Cameras*

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover and Resubmission

Funding Source: Improvement

Project Considered: Reliability

Originator: Domingo Cortez Jr

Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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. Note: \$58,500 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 112

### *Replacement of Compressors*

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: New

Funding Source: Improvement

Project Considered: Reliability

Originator: Domingo Cortez Jr

Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$63,913	\$ -	\$ -	\$ -	\$63,913

*Description: The existing compressors need to be replaced due to wear and tear. The compressors are under frequent maintenance. The actuators have been damaged due to oil and water getting inside them.*

*Project Cost Savings & Revenues: Actuators do not need frequent replacement.*

## PROJECT REFERENCE 113

### *Replacement of Waste Pumps*

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: New

Funding Source: Improvement

Project Considered: Must Do

Originator: Domingo Cortez Jr

Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$181,416	\$ -	\$ -	\$ -	\$181,416

*Description: The waste pumps are essential in sending the backwash water and sediment inside the basins and clarifiers to the drying lagoons. The existing waste pumps have been sent for preventive maintenance frequently. The existing pumps are over 25 years old and need to be replaced.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 114

*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: New

Funding Source: Improvement

Project Considered: Must Do

Originator: Domingo Cortez Jr

Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$ -	\$ -	\$260,000	\$ -	\$260,000

*Description: Replace the clarifier rakes with a stainless-steel rake to prevent corrosion. The current rakes inside the clarifiers are severely corroded and need to be replaced.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 115

*High Service Pump No. 5 – Pump and Motor (construction)*

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover and Resubmission

Funding Source: Commercial Paper

Project Considered: Load/Capacity Relief

Originator: Domingo Cortez Jr

Utility Function: Water Supply

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$102,766	\$ -	\$ -	\$ -	\$ -	\$102,766

*Description: The current high service pump is over 30 years old and would be more cost effective to replace the entire unit. Note: \$102,766 is the FY 2021 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 2022 – FY 2026

## PROJECT REFERENCE 116

*Drain Valves for the Drying Lagoons*

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover and Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Domingo Cortez Jr

Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$58,500	\$ -	\$ -	\$ -	\$ -	\$58,500

*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: \$58,500 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 117

*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 Jr

Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$5,058	\$ -	\$ -	\$ -	\$ -	\$5,058

*Description: Purchase and install a high service pump to replace the existing unit. Note: \$5,058 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 118

*Chlorination Room Canopy and Hoist and Storage Capacity Improvements*

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 Jr

Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$373,805	\$ -	\$ -	\$ -	\$ -	\$373,805

*Description: Increasing the storage capacity will provide more chlorine containers to be available on site. The existing storage area does not provide enough capacity to store a 15-day supply. Note: \$373,805 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: There will be an increase in chlorine supply.*

## PROJECT REFERENCE 119

*Clarifiers drain sludge pump*

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Commercial Paper

Project Considered: Reliability

Originator: Domingo Cortez Jr

Utility Function: Water Supply

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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 2021 carryover amount.*

*Project Cost Savings & Revenues: N/*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 120

*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 Jr

Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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 121

*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 Jr

Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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. The replacement pump is also for future growth.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 122

*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: Resubmission

Funding Source: Commercial Paper

Project Considered: Reliability

Originator: Domingo Cortez Jr

Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$156,474	\$ -	\$ -	\$ -	\$156,474

*Description: Pumps are more than 25 years old. Efficiency and flow have diminished due to their age. Upgrade the raw water pumps, add a variable frequency drive and provide SCADA improvements.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 123

*Backup caustic soda bulk tank*

Organization: 3120 Water Plant I

Project Related to: Growth

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Reliability

Originator: Domingo Cortez Jr

Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$150,000	\$ -	\$ -	\$ -	\$150,000

*Description: Purchase and installation of a backup 6,550 gallon caustic soda bulk tank.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 124

*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 Jr

Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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. The current storage of ammonia may trigger federal regulations exceedances and requirements of the risk management program.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 125

*On-site generation of sodium hypochlorite*

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 Jr

Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$730,000	\$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. Chlorine gas is regulated under the risk management program.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 126

### *Installation of New Caustic Soda Feed System*

Organization: 3130 Water Plant II

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Improvement

Project Considered: Reliability

Originator: Jose Armando Garza

Utility Function: Water Treatment

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$11,178	-	-	-	-	\$11,178

*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: \$11,178 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 127

### *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: Jose Armando Garza

Utility Function: Water Treatment

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$27,577	\$ -	\$ -	\$ -	\$ -	\$27,577

*Description: Procure engineering services to rehabilitate the High Service Pump Station with new pumps and electrical controls. Note: \$27,577 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 128

*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: Jose Armando Garza

Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$21,238	\$ -	\$ -	\$ -	\$ -	\$21,238

*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: \$21,238 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 129

*Aeration Structure Rehabilitation - engineering (Packet 3)*

Organization: 3130 Water Plant II

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Improvement

Project Considered: Must Do

Originator: Jose Armando Garza

Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$125,824	\$ -	\$ -	\$ -	\$ -	\$125,824

*Description: Evaluate the existing aeration process in Water Plant II. Recommend improvements, whether to upgrade the current or build new facilities. Note: \$125,824 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 130

*Aeration Tank Replacement - Engineering (Packet 3)*

Organization: 3130 Water Plant II

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Improvement

Project Considered: Must Do

Originator: Jose Armando Garza

Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$128,170	\$ -	\$ -	\$ -	\$ -	\$128,170

*Description: Replace the existing aeration tanks. Note: \$128,170 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 131

*Reservoir Raw Water Pumps Variable Frequency Drives (VFDs) Replacement*

Organization: 3130 Water Plant II

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: New

Funding Source: Improvement

Project Considered: Must Do

Originator: Jose Armando Garza

Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$55,022	\$ -	\$ -	\$ -	\$55,022

*Description: This project will consist of replacing the variable frequency drives for raw water pumps No. 1, 2, and 3. The current age of the existing VFDs are over 10 years old. There have been frequent pump faults due to the VFDs; and staff has been trying to preserve the life of them by installing new parts.*

*Project Cost Savings & Revenues: This project will generate savings in the form of reduced costs from external technicians and the reliability of new parts with warranty.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 132

*Lighting on the Sedimentation Basin*

Organization: 3130 Water Plant II

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Commercial Paper

Project Considered: Reliability

Originator: Jose Armando Garza

Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$75,633	\$ -	\$ -	\$ -	\$ -	\$75,633

*Description: Purchase and install LED lighting at the Sedimentation Basin. Note: \$75,633 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 133

*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: Carryover

Funding Source: Commercial Paper

Project Considered: Reliability

Originator: Jose Armando Garza

Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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 2021 carryover amount.*

*Project Cost Savings & Revenues: Repair costs savings for the current pump.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 134

*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: Jose Armando Garza

Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$262,000	\$ -	\$ -	\$ -	\$ -	\$262,000

*Description: Replace and upgrade the High Service Station. Note: \$262,000 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 135

*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: Jose Armando Garza

Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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 2022 – FY 2026

## PROJECT REFERENCE 136

*Coagulant bulk tank replacement*

Organization: 3130 Water Plant II

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Jose Armando Garza

Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$183,000	\$ -	\$ -	\$ -	\$ -	\$183,000

*Description: The blue coagulant tank is over 10 years old. Replace the existing coagulant bulk tank with a new double wall tank and leak detection system.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 137

*Replacement of Backwash Waste Pump No 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: Jose Armando Garza

Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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 2022 – FY 2026

### PROJECT REFERENCE 138

*Sodium chlorite bulk tank replacement*

Organization: 3130 Water Plant II

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Jose Armando Garza

Utility Function: Water Treatment

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$50,000	\$133,000	\$ -	\$ -	\$ -	\$183,000

*Description: The existing sodium chlorite bulk tank is over 15 years old. Replace the existing sodium chlorite bulk tank.*

*Project Cost Savings & Revenues: N/A*

### PROJECT REFERENCE 139

*Ammonia conversion from gas to liquid*

Organization: 3120 Water Plant I

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Reliability

Originator: Domingo Cortez Jr

Utility Function: Water Treatment

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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 2022 – FY 2026

## PROJECT REFERENCE 140

### *Resaca Raw Water Pumping 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: Jose Armando Garza

Utility Function: Water Treatment

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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*

## PROJECT REFERENCE 141

### *Aeration Tanks Replacement*

Organization: 3130 Water Plant II

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Jose Armando Garza

Utility Function: Water Treatment

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$400,000	\$400,000	\$ -	\$ -	\$800,000

*Description: Replace the existing aeration tanks in the aeration basins.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 142

*On-site generation of sodium hypochlorite*

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: Jose Armando Garza

Utility Function: Water Treatment

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$660,000	\$5,450,000	\$ -	\$ -	\$6,110,000

*Description: Design, engineer, procure and implement an on-site generation facility of sodium hypochlorite. The project will provide a safer and reliable disinfection process.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 143

*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 Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$102,750	\$ -	\$ -	\$ -	\$102,750

*Description: Purchase and install a flow meter to measure and record raw water flow fed to the City of Brownsville Resaca system. Currently, no flow meter is in place to measure raw water fed to the Resaca system.*

*Project Cost Savings & Revenues: Flow meter will help staff manage and quantify raw water provided to resacas.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 144

*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: Frank Valdez Jr  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$50,134	\$ -	\$ -	\$ -	\$ -	\$50,134

*Description: Engineer the replacement of 21 each inoperable waterline valves, which range in size from 8" to 16" in diameter, throughout the City of Brownsville. Note: \$50,134 is the FY 2021 carryover amount.*

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

## PROJECT REFERENCE 145

*Valve Replacement Project Phase 3 - construction*

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: Frank Valdez Jr  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$412,983	\$ -	\$ -	\$ -	\$ -	\$412,983

*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: \$412,983 is the FY 2021 carryover amount.*

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

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 146

*Water New Connections and New Subdivisions*

Organization: 3150 W/WW Operations & Construction

Project Related to: Growth

Project Occurrence: Recurring

Category: Routine

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Frank Valdez Jr

Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$763,991	\$650,000	\$650,000	\$650,000	\$650,000	\$3,363,991

*Description: This line item provides funding to implement new water connections for future customers requesting service. Note: \$146,294 is the FY2021 carryover amount.*

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

## PROJECT REFERENCE 147

*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: Frank Valdez Jr

Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$63,078	\$ -	\$ -	\$ -	\$ -	\$63,078

*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, need to be pumped out for maintenance and perform monthly meter reads. Note: \$63,078 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 148

### *Hydrant Replacement Project*

Organization: 3155 W/WW Operations & Maintenance  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: New

Funding Source: Commercial Paper  
Project Considered: Must Do  
Originator: Jose G. Garza, Jr.  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$500,000	\$ -	\$ -	\$ -	\$500,000

*Description: Evaluate and improve the asset usability and operability of hydrants in the water distribution system. Evaluate and improve the information, GPS location and accurate, meaningful and available information of all hydrants replaced. AWWA standards state that every hydrant in the distribution system needs to be inspected and maintained annually.*

*Project Cost Savings & Revenues: Provide an adequate infrastructure that provides reliable service, supports a growing community, and is in alignment with the Greater Brownsville Infrastructure Development Plan. Save time and reduce labor by performing repairs at the time of inspection.*

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# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 149

### *Valve Replacement Project*

Organization: 3155 W/WW Operations & Maintenance  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: New

Funding Source: Commercial Paper  
Project Considered: Must Do  
Originator: Jose G. Garza, Jr.  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$300,000	\$ -	\$ -	\$ -	\$300,000

*Description: Evaluate and improve the asset usability and operability of valves in the water distribution system. Evaluate and improve the information, GPS location and accurate, meaningful and available information of all valves replaced. It will help us comply with AWWA standards state that every valve in the distribution system needs to be inspected and maintained annually. Many water valves have been located and are damaged and need replacement to ensure its proper operation and reliability, as per AWWA standards.*

*Project Cost Savings & Revenues: Provide an adequate infrastructure that provides reliable service, supports a growing community, and is in alignment with the Greater Brownsville Infrastructure Development Plan. Save time and reduce labor by performing repairs at the time of inspection.*

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# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 150

### *Leak Detection Project*

Organization: 3155 W/WW Operations & Maintenance  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: New

Funding Source: Commercial Paper  
Project Considered: Must Do  
Originator: Jose G. Garza, Jr.  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$100,000	\$ -	\$ -	\$ -	\$100,000

*Description: Survey asbestos cement pipes in the water distribution system for possible leaks not surfacing to ground level. Hire a contractor to conduct a leak detection survey to determine real water losses over 204.5 miles of asbestos cement water main pipes. This survey will accomplish the following activities: Reduce real water loss (leaks) in the BPUB water distribution systems. Acoustically inspect 204.5 miles of asbestos cement water main leaks and other possible water loss problems. Listen directly to water system assets (valves, fire hydrants, water service lines, water meters). Visually inspect ground storage reservoirs, well sites, pump stations, fire hydrants and water meters. Check all storm water sewer manholes for excess water flow form possible water leaks not surfacing to ground level. Ground mic over water transmission mains where physical listening points exceed 200 feet. Perform chlorine residual test on standing water located in close proximity to water mains. Inspect for illegal water connections and cross connections.*

*Project Cost Savings & Revenues: Provide an adequate infrastructure that provides reliable service, supports a growing community, and is in alignment with the Greater Brownsville Infrastructure Development Plan. The survey inspection of Asbestos Cement water line pipe can assist in determining the condition and integrity of the waterline by determining how many leaks are found over the stretch of pipe. The locating, accessing, repairing, and replacing of bad joints or sections of pipe will diminish water losses. The survey will identify water loss savings, reduce collateral damage and improve water quality.*

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# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 151

*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: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$90,140	\$ -	\$ -	\$ -	\$ -	\$90,140

*Description: This line item is the budget for the carryover projects rolled over from Fiscal Year 2021. Projects includes the installation of lighting structures at Water Treatment Plant II and water line inspections for subdivisions throughout the City and other water utility projects. Note: \$90,140 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 152

*W 5<sup>th</sup> Street Water Main Loop – engineering and construction*

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$6,470	\$171,000	\$ -	\$ -	\$ -	\$177,470

*Description: This project will close the water main loop on West 5<sup>th</sup> Street by the railroad tracks to West Fronton Street. Note: \$6,470 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 153

*Sunset Dr Utility Improvements (between South Old Alice Rd and Palm Blvd) – engineering and construction*

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$3,000	\$1,188,000	\$ -	\$ -	\$ -	\$1,191,000

*Description: Engineer and replace the existing AC waterline to PVC on Sunset Drive from Old Alice Road to Palm Blvd. Note: \$3,000 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 154

*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: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$4,431	\$ -	\$ -	\$ -	\$ -	\$4,431

*Description: Engineer the water utility improvements on Tara Place, Dix Drive and Hacienda Lane by La Feria Road. Note: \$4,431 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

### PROJECT REFERENCE 155

*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: Marie C. Leal  
Utility Function: Water Transmission & Distribution

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$19,335	\$ -	\$ -	\$ -	\$ -	\$19,335

*Description: Engineer the water utility improvements on West Los Ebanos Boulevard between East Drive and Honeydale Road. Note: \$19,335 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

### PROJECT REFERENCE 156

*Gabriel Street water service line crossings*

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Marie C. Leal  
Utility Function: Water Transmission & Distribution

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$76,604	\$ -	\$ -	\$ -	\$ -	\$76,604

*Description: Engineer and replace the water service line on Gabriel Street from Joseph Avenue to Cesar Lane. Note: \$76,604 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 157

*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: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$6,564,820	\$ -	\$ -	\$ -	\$ -	\$6,564,820

*Description: Design, engineer and construct a two million gallon elevated storage tank to replace the elevated storage tank on Southmost Road. Note: \$6,564,820 is the FY 2021 carryover.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 158 and 159

*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 and Grants  
Project Considered: Must Do  
Originator: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$135,499	\$ -	\$ -	\$ -	\$ -	\$135,499

*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: \$127,551 is the FY 2021 carryover amount from the Improvement fund and \$7,948 is from the Grants fund.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 160

*Avenida de la Plata, Elsa Street, Marvis Street and San Pedro Lane Water Utility Improvements-engineering*

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$37,197	\$ -	\$ -	\$ -	\$ -	\$37,197

*Description: The project involves replacement/upgrades of existing water mains, valves, fittings, and service connections due to City Street Reconstruction Projects. Design and engineer the replacement of existing water utilities with PVC pipe to meet BPUB standards. Note: \$37,197 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: Replacement of degraded infrastructure is expected to reduce system breakdowns and O&M costs.*

## PROJECT REFERENCE 161

*Avenida de la Plata, Elsa Street, Marvis Street and San Pedro Lane Water Utility Improvements-construction*

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

Funding Source: Commercial Paper  
Project Considered: Reliability  
Originator: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$737,750	\$ -	\$ -	\$ -	\$ -	\$737,750

*Description: The project involves replacement/upgrades of existing water mains, valves, fittings, and service connections due to City Street Reconstruction Projects. Replace existing water utilities with PVC pipe to meet BPUB standards.*

*Project Cost Savings & Revenues: Replacement of degraded infrastructure is expected to reduce system breakdowns and O&M costs.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 162

*Calvin Street Water Utility Improvements – engineering*

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$14,882	\$ -	\$ -	\$ -	\$ -	\$14,882

*Description: The project involves replacement/upgrades of existing water mains, valves, fittings, and service connections due to City Street Reconstruction Projects. Design and engineer the replacement of existing water utilities with PVC pipe to meet BPUB standards. Note: \$14,882 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: Replacement of degraded infrastructure is expected to reduce system breakdowns and O&M costs.*

## PROJECT REFERENCE 163

*Calvin Street Water Utility Improvements – construction*

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

Funding Source: Commercial Paper  
Project Considered: Reliability  
Originator: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$283,140	\$ -	\$ -	\$ -	\$ -	\$283,140

*Description: The project involves replacement/upgrades of existing water mains, valves, fittings, and service connections due to City Street Reconstruction Projects. Replace existing water utilities with PVC pipe to meet BPUB standards.*

*Project Cost Savings & Revenues: Replacement of degraded infrastructure is expected to reduce system breakdowns and O&M costs*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 164

*E 15<sup>th</sup> Street Utility Improvements – engineering*

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$922	\$ -	\$ -	\$ -	\$ -	\$922

*Description: The project involves replacement/upgrades of existing water mains, valves, fittings, and service connections due to City Street Reconstruction Projects. Design and engineer the replacement of existing water utilities with PVC pipe to meet BPUB standards. Note: \$922 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: Replacement of degraded infrastructure is expected to reduce system breakdowns and O&M costs.*

## PROJECT REFERENCE 165

*E 15<sup>th</sup> Street Utility Improvements –Construction*

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

Funding Source: Commercial Paper  
Project Considered: Reliability  
Originator: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$64,500	\$ -	\$ -	\$ -	\$ -	\$64,500

*Description: The project involves replacement/upgrades of existing water mains, valves, fittings, and service connections due to City Street Reconstruction Projects. Replace existing water utilities with PVC pipe to meet BPUB standards.*

*Project Cost Savings & Revenues: Replacement of degraded infrastructure is expected to reduce system breakdowns and O&M costs*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 166

*Water Utility Improvements - Annex*

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: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$44,568	\$ -	\$ -	\$ -	\$ -	\$44,568

*Description: The project involves design, engineering and construction of water utilities connecting the annex to the water system. Note: \$44,568 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 167

*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: Carryover

Funding Source: Improvement  
Project Considered: General  
Originator: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$334,146	\$ -	\$ -	\$ -	\$ -	\$334,146

*Description: Extend water service to the proposed City of Brownsville and Department of Public Safety Joint Tactical. Note: \$334,146 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 168 and 169

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

Organization: 3310 Water & Wastewater Engineering

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover and Resubmission

Funding Source: Improvement and Commercial Paper

Project Considered: Reliability and Must Do

Originator: Marie C. Leal

Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$645,734	\$800,000	\$800,000	\$ -	\$ -	\$2,245,734

*Description: The project involves replacement of AC water mains and service connections with PVC water mains and service connections with new valves due to the City's Street Reconstruction five-year plan. Note: \$131,170 is the FY 2021 carryover amount funded from Commercial Paper. \$113,367 is the FY 2021 carryover amount funded from the Improvement Fund.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 170

*FM 802 and Coffeepoint Waterline Loop*

Organization: 3310 Water & Wastewater Engineering

Project Related to: Replacement/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: New

Funding Source: Improvement

Project Considered: Must Do

Originator: Marie C. Leal

Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$384,480	\$ -	\$ -	\$ -	\$384,480

*Description: Design, engineer and construct a 16" waterline loop on FM 802 and Coffeepoint Rd, closing the loop between the water distribution systems along FM 802.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 171

### *Old Port Isabel Waterline Loop*

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

Funding Source: Improvement  
Project Considered: Load/Capacity Relief  
Originator: Marie C. Leal  
Utility Function: Water Transmission & Distribution

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$580,200	\$519,800	\$ -	\$ -	\$1,100,000

*Description: Design, engineer and construct proposed waterlines to close loops within the water distribution system along Old Port Isabel Road at the intersections of FM 802 and Boca Chica Boulevard. This project will eliminate dead end lines within the water distribution system.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 172

### *Southmost Blvd Waterline Upgrades (14<sup>th</sup> Street to International Blvd)*

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

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Marie C. Leal  
Utility Function: Water Transmission & Distribution

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$100,000	\$882,500	\$ -	\$ -	\$982,500

*Description: Design, engineer and construct the replacement of the AC waterline with PVC waterline on Southmost Blvd from International Blvd to 14<sup>th</sup> Street.*

*Project Cost Savings & Revenues: Replacement of undersized infrastructures is expected to reduce system breakdowns and O&M costs.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 173

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

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$100,000	\$ -	\$1,750,000	\$ -	\$1,850,000

*Description: Design, engineer and construct the replacement of the AC waterline with PVC waterline on South Iowa from Billy Mitchell Blvd to Boca Chica Blvd, including valves, fittings, and services.*

*Project Cost Savings & Revenues: Replacement of undersized infrastructures is expected to reduce system breakdowns and O&M costs.*

## PROJECT REFERENCE 174

*City Streets Contract- Portway Place Subdivision*

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

Funding Source: Commercial Paper  
Project Considered: Must Do  
Originator: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$175,450	\$ -	\$ -	\$ -	\$ -	\$175,450

*Description: The project involves replacement/upgrades of existing water mains, valves, fittings and service connection in coordination with City Street Reconstruction Projects.*

*Project Cost Savings & Revenues: Replacement of degraded infrastructure is expected to reduce system breakdowns and O&M costs.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 175

*Rio Vista, Elston Dr, Avenue A Waterline Improvement*

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

Funding Source: Commercial Paper  
Project Considered: Must Do  
Originator: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$212,800	\$ -	\$ -	\$ -	\$ -	\$212,800

*Description: Existing water line is undersized and does not provide adequate fire flow pressure. Upgrade the existing water lines for Rio Vista, Elston Drive and Avenue A.*

*Project Cost Savings & Revenues: Upgrading pipe material to more reliable PVC pipe will minimize pipe breaks or leaks.*

## PROJECT REFERENCE 176

*Rotary Park Raw Waterline Upgrade*

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

Funding Source: Commercial Paper  
Project Considered: Must Do  
Originator: Marie C. Leal  
Utility Function: Water Supply

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$231,843	\$496,037	\$ -	\$ -	\$ -	\$727,880

*Description: The existing section of pipe is deteriorated and exhibiting cracks and exposed rebar. Replace a 160 linear foot section of an existing 36-inch pipe used to transport raw water from the reservoir to Water Treatment Plant II.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 177

*Southmost Blvd Waterline Upgrades (International Blvd to 30<sup>th</sup> St)*

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

Funding Source: Commercial Paper  
Project Considered: Load/ Capacity Relief  
Originator: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$120,000	\$1,845,000	\$ -	\$ -	\$ -	\$1,965,000

*Description: This project is for the replacement of AC water line with PVC waterline on Southmost Blvd from International Blvd to 30<sup>th</sup> Street.*

*Project Cost Savings & Revenues: Replacement of undersized infrastructure is expected to reduce system breakdowns and O&M costs.*

## PROJECT REFERENCE 178

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

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

Funding Source: Impact Fees  
Project Considered: Load/Capacity Relief  
Originator: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$2,414,674	\$ -	\$ -	\$ -	\$ -	\$2,414,674

*Description: Design, engineer, and construct a new 16-inch diameter PVC waterline approximately 13,882 linear feet in length on the northwest part of the water distribution system along Lago Vista to West Alton Gloor Boulevard to meet future demand. Note: \$2,414,674 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 179

*Boca Chica Blvd Waterline Upgrade (International Blvd. to Owens Road)*

Organization: 3310 Water & Wastewater Engineering

Project Related to: Growth

Project Occurrence: One-time

Category: Carryover and Resubmission

Funding Source: Impact Fees

Project Considered: Load/Capacity Relief

Originator: Marie C. Leal

Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$1,402,007	\$ -	\$ -	\$ -	\$ -	\$1,402,007

*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: \$82,007 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 180

*Waterline Upgrade on Southmost Blvd. from old 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: Marie C. Leal

Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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 2021 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 2022 – FY 2026

## PROJECT REFERENCE 181

*Waterline Upgrade near WTP No. 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: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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 Treatment Plant No. 1 to West Saint Charles Street to increase water distribution capacity during future peak flow demand. Note: \$521,000 is the FY 2021 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 182

*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: Carryover and Resubmission

Funding Source: Impact Fees  
Project Considered: Load/Capacity Relief  
Originator: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$900,000	\$1,000,000	\$ -	\$ -	\$ -	\$1,900,000

*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 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 183

*FM 511 Waterline Loop (SH 48 to Boca Chica Blvd)*

Organization: 3310 Water & Wastewater Engineering

Project Related to: Growth

Project Occurrence: One-time

Category: Carryover and Resubmission

Funding Source: Impact Fees

Project Considered: Load/Capacity Relief

Originator: Marie C. Leal

Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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 2021 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.*

## PROJECT REFERENCE 184

*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: Load/Capacity Relief

Originator: Marie C. Leal

Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$165,000	\$ -	\$ -	\$ -	\$ -	\$165,000

*Description: Design, engineer and construct 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 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 185

*FM 511 24-inch Waterline Loop (SRWA to Old Port Isabel Rd)*

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

Funding Source: Impact Fees  
Project Considered: Load/Capacity Relief  
Originator: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$1,584,800	\$ -	\$ -	\$ -	\$ -	\$1,584,800

*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: \$803,200 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 186

*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: Impact Fees  
Project Considered: Must Do  
Originator: Marie C. Leal  
Utility Function: Water Supply

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$500,000	\$ -	\$ -	\$15,000,000	\$ -	\$15,500,000

*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 construct a new raw water pump station to replace this facility.*

*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 2022 – FY 2026

## PROJECT REFERENCE 187

*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: Marie C. Leal  
Utility Function: Water Supply

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$29,668	\$ -	\$ -	\$ -	\$ -	\$29,668

*Description: Replace the existing waterline with a new 36-inch diameter raw water line at Rotary Park by Palm Boulevard. Note: \$29,668 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 188

*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: Must Do  
Originator: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 189

*2021 CIP Contract No. 4 – engineering and construction*

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

Funding Source: Commercial Paper  
Project Considered: Reliability  
Originator: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$571,934	\$ -	\$ -	\$ -	\$ -	\$571,934

*Description: Engineer and coordinate the water utility improvements associated with the City of Brownsville Street Paving Reconstruction Projects assigned to 2021 CIP Contract No. 4. The construction contract includes the installation of 1,800 linear feet of 8-inch PVC water line, 1,300 linear feet of 12-inch PVC waterline, 80 linear feet of 8-inch PVC gravity sewer line and 2,530 linear feet of 12-inch PVC gravity sewer line. Note: \$571,934 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 190

*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: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$30,619	\$ -	\$ -	\$ -	\$ -	\$30,619

*Description: Design, procure and purchase a portable emergency high service by-pass pump for Water Plant I and Water Plant II. Note: \$30,619 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues:*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 191

### *Portway Place Subdivision Water Utility Improvements*

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

Funding Source: Commercial Paper  
Project Considered: Reliability  
Originator: Marie C. Leal  
Utility Function: Water Transmission & Distribution

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$21,004	\$ -	\$ -	\$ -	\$ -	\$21,004

*Description: The project involves replacement of gravity sanitary sewer collection system with PVC pipe, fiberglass manholes and service laterals in coordination with City Street Reconstruction Projects. Replacement of degraded sanitary sewer collection system with PVC pipe and fiberglass manholes to meet BPUB standards. Note: \$21,004 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: Replacement of degraded infrastructure is expected to reduce system breakdowns and O&M costs.*

## PROJECT REFERENCE 192

### *COB Contract No. 3 at Jose Marti Blvd, Calle Buenos Aires, Calle Costa Rica and Calle Nortena Water Utility Improvements*

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

Funding Source: Commercial Paper  
Project Considered: Reliability  
Originator: Marie C. Leal  
Utility Function: Water Transmission & Distribution

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$579,989	\$ -	\$ -	\$ -	\$ -	\$579,989

*Description: The project involves replacement of gravity sanitary sewer collections system with PVC pipe, fiberglass manholes and service laterals in coordination with City Street Reconstruction Projects. Replacement of degraded sanitary sewer collection system with PVC pipe and fiberglass manholes to meet BPUB standards. Note: \$37,189 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: Replacement of degraded infrastructure is expected to reduce system breakdowns and O&M costs.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 193

### *New Raw Water River Intake Facility*

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: Marie C. Leal

Utility Function: Water Treatment

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$600,000	\$ -	\$ -	\$ -	\$ -	\$600,000

*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 and engineer a new raw water pump station to replace this facility. Note: \$600,000 is the FY 2021 carryover amount.*

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

## PROJECT REFERENCE 194

### *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: Marie C. Leal

Utility Function: Water Transmission & Distribution

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$500,000	\$ -	\$ -	\$ -	\$ -	\$500,000

*Description: Install a new transmission water 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 2022 – FY 2026

## PROJECT REFERENCE 195

*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: Must Do  
Originator: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$202,000	\$963,230	\$ -	\$380,500	\$ -	\$1,545,730

*Description: Install approximately 12,698 linear feet of new 18-inch diameter waterline to meet required water system pressures to meet future demand along Old Highway 77 and FM 511 to Old Alice Road.*

*Project Cost Savings & Revenues: The project will provide to new service capabilities for future growth.*

## PROJECT REFERENCE 196

*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: Must Do  
Originator: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$ -	\$ -	\$894,000	\$ -	\$894,000

*Description: Install approximately 3,725 linear feet of new 16-inch diameter waterline construction at Summer Hill Subdivision to help meet water distribution capacity and pressures during future peak flow demand.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 197

*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: Must Do  
Originator: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$ -	\$ -	\$1,345,000	\$ -	\$1,345,000

*Description: Install approximately 7,470 linear feet of new 12-inch diameter waterline construction west of Old Highway 77 to help meet water distribution capacity and pressures during future peak flow demand.*

*Project Cost Savings & Revenues: The project will provide to new service capabilities for future growth.*

## PROJECT REFERENCE 198

*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: Must Do  
Originator: Marie C. Leal  
Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$ -	\$ -	\$1,850,000	\$ -	\$1,850,000

*Description: Upgrade the existing 12-inch AC waterline to 16-inch PVC waterline to meet expected demand to the water distribution system on the east side of the City of Brownsville.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 199

### *Advanced Metering Infrastructure (AMI) - Water*

Organization: 6105 Customer & Information Services  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: New

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

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$3,202,283	\$2,761,996	\$1,881,423	\$1,881,423	\$2,566,406	\$12,293,531

*Description: BPUB will optimize meter reading service operational efficiency and water use-efficiency efforts through the procurement and installation of AMI technology. The scope of work for the project includes: materials, supervision, installation, retrofitting and replacing 55,369 water meters, on-going maintenance and customer support service for an AMI system, a customer facing portal and integration to Cayenta billing software.*

*Project Cost Savings & Revenues: Cost reduction of both on-cycle meter reads, as well as disconnect/reconnects, will be realized by reducing labor costs as well as vehicle related costs (vehicle, fuel, insurance, maintenance).*

## PROJECT REFERENCE 200

### *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 Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$2,844,854	\$ -	\$ -	\$ -	\$ -	\$2,844,854

*Description: This line item is the budget for the carryover capital equipment for the water utility. \$2,727,354 of the overall total is to replace the equipment assigned to the Resaca Maintenance Department. The balance of the total include purchases of vehicles and other equipment. Note: \$2,844,854 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 201

### *Estimated Capital Equipment*

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

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Water Administration

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$896,037	\$ -	\$ -	\$ -	\$ -	\$896,037

*Description: This line item is the approved budget for capital equipment for the water utility. The budget include purchases of vehicles and other equipment.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 202

*24V Remote Control Panel for Lift Station No. 3, 9, 16, 21, 30, 34, 59, 62, 80, 82, 87, 88, 92, 99, 102, 112, 182 and 184*

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 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$89,188	\$ -	\$ -	\$ -	\$ -	\$89,188

*Description: Install remote terminal units to integrate the wastewater lift stations into the Water/Wastewater SCADA system. Note: \$89,188 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: Wastewater Lift Station mechanics and electricians will proactively identify potential problems.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 203

### *Lift Station Electrical Safety Upgrades*

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

Funding Source: Commercial Paper  
Project Considered: Must Do  
Originator: Elias Quintero  
Utility Function: Wastewater Administration

#### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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*

## PROJECT REFERENCE 204

### *Lift Station Electrical Upgrades – 10 Lift Stations*

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

Funding Source: Commercial Paper  
Project Considered: Must Do  
Originator: Elias Quintero  
Utility Function: Wastewater Administration

#### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$180,000	\$180,000	\$ -	\$ -	\$ -	\$360,000

*Description: Upgrade the electrical systems of 10 each wastewater lift stations by replacing the existing motor control systems.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 205

*W/WW SCADA Lift Station Integration – 5 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: Reliability  
Originator: Elias Quintero  
Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$174,000	\$174,000	\$ -	\$ -	\$348,000

*Description: The scope of work involves integrating 5 wastewater lift stations into the existing SCADA System, allowing personnel the ability to monitor the station remotely and be able to respond to process conditions in preventive rather than reactive mode.*

*Project Cost Savings & Revenues: Integration will identify trouble conditions in the Lift Stations without having to have someone physically inspect the station. Any trip that is avoided to any particular lift station will save in labor and transportation costs.*

## PROJECT REFERENCE 206

*Wastewater New Connections and New Subdivisions*

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 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$828,526	\$450,000	\$450,000	\$450,000	\$450,000	\$2,628,526

*Description: This project accounts for BPUB costs to implement wastewater new connections to future customers requesting service. Note: \$378,526 is the FY 2021 carryover amount.*

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

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 207

*2110 Central Avenue Wastewater Line Extension*

Organization: 3150 W/WW Operations & Construction  
Project Related to: Growth  
Project Occurrence: Recurring  
Category: Carryover

Funding Source: Commercial Paper  
Project Considered: Must Do  
Originator: Armando Garcia  
Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$2,042	\$ -	\$ -	\$ -	\$ -	\$2,042

*Description: Extend 360 linear feet of PVC gravity sewer main to serve 2110 Central Avenue. Note: \$2,042 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 208

*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: Louis Bennett Jr  
Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$33,574	\$ -	\$ -	\$ -	\$ -	\$33,574

*Description: Engineer the design and specifications for the rehabilitation of the high efficient blowers. Note: \$33,574 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 209

*SWWTP Improvements - 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: Louis Bennett Jr
Category: Carryover	Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$92,878	\$ -	\$ -	\$ -	\$ -	\$92,878

*Description: Engineer the design and specifications for the rehabilitation of the influent channel. Note: \$92,878 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 210

*SWWTP Improvements - Influent Channel – construction Board-approved on 10/29/2020*

Organization: 3210 South Wastewater Treatment Plant	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: Louis Bennett Jr
Category: Carryover	Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$51,579	\$ -	\$ -	\$ -	\$ -	\$51,579

*Description: Construction services for the rehabilitation of the influent channel. Note: \$51,579 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 211

*SWWTP Improvements – 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: Louis Bennett Jr
Category: Carryover	Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$129,858	\$ -	\$ -	\$ -	\$ -	\$129,858

*Description: Engineer the design and specifications for the replacement of the digester tank. Note: \$129,858 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 212

*SWWTP Improvements - Digester Tank Replacement – construction Board-approved on 10/29/2020*

Organization: 3210 South Wastewater Treatment Plant	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: Louis Bennett Jr
Category: Carryover	Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$1,045,341	\$ -	\$ -	\$ -	\$ -	\$1,045,341

*Description: Construction services for the replacement of the digester tank. Note: \$1,045,341 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 213

*SWWTP Improvements 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: Louis Bennett Jr
Category: Carryover	Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$54,570	\$ -	\$ -	\$ -	\$ -	\$54,570

*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: \$54,570 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 214

*SWWTP Improvements Aeration Basin No. 3 – construction Board-approved on 10/29/2020*

Organization: 3210 South Wastewater Treatment Plant	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Reliability
Project Occurrence: One-time	Originator: Louis Bennett Jr
Category: Carryover	Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$351,471	\$ -	\$ -	\$ -	\$ -	\$351,471

*Description: Construction services 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: \$351,471 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 215

*Belt Filter Press – 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: Louis Bennett Jr  
Category: Carryover      Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$23,277	\$ -	\$ -	\$ -	\$ -	\$23,277

*Description: Engineer the design and specifications for the rehabilitation of the existing belt filter press by purchasing and installing a new belt filter press to meet TCEQ requirements. Note: \$23,277 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 216

*Belt Filter Press and Solids Handling Improvements – construction*

Organization: 3210 South Wastewater Treatment Plant      Funding Source: Improvement  
Project Related to: Replacements/Upgrades/Rehabilitation      Project Considered: Reliability  
Project Occurrence: One-time      Originator: Louis Bennett Jr  
Category: Carryover      Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$86,920	\$1,057,800	\$1,057,800	\$ -	\$2,202,520

*Description: Construction for the rehabilitation of the existing belt filter press. The rehabilitation includes retrofitting the existing dewatering station to house two belt filter press units, add a new unit and relocate existing unit. The new structures will protect operators from the elements and help promote and preserve the life of the dewatering equipment and add redundancy.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 217

*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: Louis Bennett Jr  
Category: Carryover      Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$26,377	\$ -	\$ -	\$ -	\$ -	\$26,377

*Description: Engineer the design and specifications for the rehabilitation and upgrade of the non-potable water pump and motor no. 1. Note: \$26,377 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 218

*SWWTP Improvements - Headworks Grit System Upgrade and Retrofit- engineering*

Organization: 3210 South Wastewater Treatment Plant      Funding Source: Improvement  
Project Related to: Replacements/Upgrades/Rehabilitation      Project Considered: Reliability  
Project Occurrence: One-time      Originator: Louis Bennett Jr  
Category: Carryover      Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$259,450	\$ -	\$ -	\$ -	\$ -	\$259,450

*Description: The headworks grit system is outdated and exceeded its life expectancy, impacting the grit/sedimentation removal capabilities. Design and engineer the replacement of the existing outdated grit system to a more efficient grit removal system. Note: \$259,450 is the FY 2021 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 2022 – FY 2026

## PROJECT REFERENCE 219

*SWWTP Improvements - Headworks Grit System Upgrade and Retrofit- construction Board-approved on 10/29/2020*

Organization: 3210 South Wastewater Treatment Plant      Funding Source: Improvement  
Project Related to: Replacements/Upgrades/Rehabilitation      Project Considered: Reliability  
Project Occurrence: One-time      Originator: Louis Bennett Jr  
Category: Carryover      Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$3,279,084	\$ -	\$ -	\$ -	\$ -	\$3,279,084

*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: \$3,279,084 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: Upgrading the grit removal system will improve efficiency, allowing the treatment plant process to respond with better treatment capabilities, resulting in lower costs for treatment per million gallons processed.*

## PROJECT REFERENCE 220

*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: Louis Bennett Jr  
Category: Resubmission      Utility Function: WW Admin

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$85,203	-	-	-	-	\$85,203

*Description: The existing fence is over 21 years old, and certain areas have deteriorated. Replace approximately 1,600 linear feet of fencing along the north and east perimeter. Note: \$51,103 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 221

*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: Louis Bennett Jr  
Category: Carryover      Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$52,189	\$385,468	\$ -	\$ -	\$ -	\$437,657

*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.*

*Design, engineer and install new sluice gates with new valve actuators and back-up batteries. Note: \$52,189 is the FY 2021 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 222

*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: Louis Bennett Jr  
Category: Carryover and Resubmission      Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$6,868	\$102,358	\$224,910	\$ -	\$ -	\$334,136

*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 hydro pneumatic tank and air compressor system, replacing the non-potable pumps and piping and upgrading the non-potable SCADA control system. Note: \$6,868 is the FY 2021 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 2022 – FY 2026

## PROJECT REFERENCE 223

*Effluent River Pump and Motor No. 3*

Organization: 3210 South Wastewater Treatment Plant  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Carryover

Funding Source: Commercial Paper  
Project Considered: Reliability  
Originator: Louis Bennett Jr  
Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$16,296	\$ -	\$ -	\$ -	\$ -	\$16,296

*Description: Replace and upgrade the outdated effluent river pump and motor no. 3. Existing pump and motor have exceeded its life expectancy. Note: \$16,296 is the FY 2021 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 224

*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: Carryover

Funding Source: Commercial Paper  
Project Considered: Reliability  
Originator: Louis Bennett Jr  
Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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. Note: \$67,023 is the FY 2021 carryover amount*

*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 2022 – FY 2026

## PROJECT REFERENCE 225

### *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: Louis Bennett Jr  
Category: Resubmission      Utility Function: Wastewater Treatment

#### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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. Rehabilitation both units. Note: \$100,000 is the FY 2021 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 226

### *Return Activated Sludge and Waste Activated Sludge (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: Louis Bennett Jr  
Category: Resubmission      Utility Function: Wastewater Treatment

#### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$ -	\$36,800	\$403,293	\$ -	\$440,093

*Description: Replace/upgrade all control panels and float level control panels at the Return Activated Sludge (RAS) and Waste Activated Sludge (WAS) pump station.*

*Project Cost Savings & Revenues: Upgrading the control panel system will improve efficiency, allowing the treatment plant process to respond with better treatment capabilities, resulting in lower costs for treatment per million gallons processed.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 227

*Turbo Blower Upgrades – engineering (Packet 3)*

Organization: 3220 Robindale Wastewater Treatment Plant      Funding Source: Improvement  
Project Related to: Replacements/Upgrades/Rehabilitation      Project Considered: Must Do  
Project Occurrence: One-time      Originator: Roberto Castillo  
Category: Carryover      Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$222,559	\$ -	\$ -	\$ -	\$ -	\$222,559

*Description: Engineer the replacement and upgrade of the aerobic digester blowers. Note: \$222,559 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: The proposed new aerobic digester blowers will improve efficiency allowing the treatment plant process to respond with better treatment capabilities thus resulting in a lower cost for treatment per million gallons processed.*

## PROJECT REFERENCE 228

*Turbo Blower Upgrades – 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: Roberto Castillo  
Category: Carryover and Resubmission      Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$2,180,313	\$2,108,685	\$ -	\$ -	\$ -	\$4,288,998

*Description: Replace and upgrade of the aerobic digester blowers. Note: \$647,953 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: The proposed new aerobic digester blowers will improve efficiency allowing the treatment plant process to respond with better treatment capabilities thus resulting in a lower cost for treatment per million gallons processed.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 229

*Non-Potable Water System Upgrade (Packet 4) – engineering*

Organization: 3220 Robindale Wastewater Treatment Plant	Funding Source: Improvement
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Roberto Castillo
Category: Carryover	Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$29,349	\$ -	\$ -	\$ -	\$ -	\$29,349

*Description: The existing non-potable water system is over 25 years old. Design and engineer the rehabilitation of the existing hydro pneumatic tank and air compressor system and the replacement of the non-potable pumps and distribution lines throughout the plant. Note: \$29,349 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: Proper operation of non-potable water system will significantly cut down the use and increase savings in water consumption cost.*

## PROJECT REFERENCE 230

*Non-Potable Water System Upgrade (Packet 4) – construction*

Organization: 3220 Robindale Wastewater Treatment Plant	Funding Source: Commercial Paper
Project Related to: Replacements/Upgrades/Rehabilitation	Project Considered: Must Do
Project Occurrence: One-time	Originator: Roberto Castillo
Category: Resubmission	Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$ -	\$246,864	\$ -	\$ -	\$246,864

*Description: The existing non-potable water system is over 25 years old. Rehabilitate the existing hydro pneumatic tank and air compressor system and replace the non-potable pumps and distribution lines throughout the plant.*

*Project Cost Savings & Revenues: Proper operation of non-potable water system will significantly cut down the use and increase savings in water consumption cost*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 231

*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: Roberto Castillo  
Category: Carryover and Resubmission      Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$22,951	\$666,066	\$ -	\$ -	\$ -	\$689,017

*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: \$22,951 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: Valve actuators replacement will result in time savings, allowing staff to increase productivity.*

## PROJECT REFERENCE 232

*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: Roberto Castillo  
Category: Carryover and Resubmission      Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$42,973	\$470,700	\$ -	\$ -	\$ -	\$513,673

*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: \$42,973 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: Reduce man hours used for cleaning over spills at the existing station.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 233

*Blowers for Aerobic Digesters (2 each) – Blower No. 5 and 8*

Organization: 3220 Robindale Wastewater Treatment Plant      Funding Source: Commercial Paper  
Project Related to: Replacements/Upgrades/Rehabilitation      Project Considered: Reliability  
Project Occurrence: One-time      Originator: Roberto Castillo  
Category: Carryover      Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$187,855	\$ -	\$ -	\$ -	\$ -	\$187,855

*Description: The existing blowers and motors have exceeded their life expectancy. Replace existing blower and motor no. 5 and 8. Note: \$187,855 is the FY 2021 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.*

## PROJECT REFERENCE 234

*Blowers for Aerobic Digesters (2 each) – Blower No. 6 and 7*

Organization: 3220 Robindale Wastewater Treatment Plant      Funding Source: Commercial Paper  
Project Related to: Replacements/Upgrades/Rehabilitation      Project Considered: Reliability  
Project Occurrence: One-time      Originator: Roberto Castillo  
Category: New      Utility Function: Wastewater Treatment

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$187,855	\$ -	\$ -	\$ -	\$187,855

*Description: The existing blowers and motors have exceeded their life expectancy. Replace existing blower and motor no. 6 and 7.*

*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 2022 – FY 2026

## PROJECT REFERENCE 235

### *Belt Filter Press and Solids Handling Expansion*

Organization: 3220 Robindale Wastewater Treatment Plant      Funding Source: Commercial Paper  
Project Related to: Replacements/Upgrades/Rehabilitation      Project Considered: Reliability  
Project Occurrence: One-time      Originator: Roberto Castillo  
Category: Resubmission      Utility Function: Wastewater Treatment

#### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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*

## PROJECT REFERENCE 236

### *Rehabilitation of Two Gravity Thickeners*

Organization: 3220 Robindale Wastewater Treatment Plant      Funding Source: Commercial Paper  
Project Related to: Replacements/Upgrades/Rehabilitation      Project Considered: Reliability  
Project Occurrence: One-time      Originator: Roberto Castillo  
Category: Resubmission      Utility Function: Wastewater Treatment

#### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$ -	\$1,136,490	\$1,136,490	\$ -	\$2,272,980

*Description: The existing dewatering gravity thickeners have exceeded their life expectancy. Retrofit the existing units with the complete replacement of internal components and mechanisms.*

*Project Cost Savings & Revenues: Reduce man hours used for checking the existing system manually to ensure it is in operation.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 237

### *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 Jr

Utility Function: Wastewater Administration

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$150,000	\$ -	\$ -	\$ -	\$150,000

*Description: Purchase and install new fencing to replace existing fencing at lift stations throughout the City of Brownsville.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 238

### *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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$2,031,400	\$ -	\$ -	\$ -	\$ -	\$2,031,400

*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, fittings, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$331,400 is the FY 2021 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 2022 – FY 2026

## PROJECT REFERENCE 239

*Lift Station No. 10 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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$631,922	\$ -	\$ -	\$ -	\$ -	\$631,922

*Description: Rehabilitate Lift Station No. 10 by replacing the wet well, corroded piping, fittings, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$31,922 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.*

## PROJECT REFERENCE 240

*Lift Station No. 11 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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$531,922	\$ -	\$ -	\$ -	\$ -	\$531,922

*Description: Rehabilitate Lift Station No. 11 by replacing the wet well, corroded piping, fittings, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$31,922 is the FY 2021 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 2022 – FY 2026

## PROJECT REFERENCE 241

### *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 Jr

Utility Function: Wastewater Pumping

#### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$ -	\$800,000	\$ -	\$ -	\$800,000

*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's 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 242

### *Lift Station No. 13 Rehabilitation*

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 Jr

Utility Function: Wastewater Pumping

#### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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's 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 2022 – FY 2026

## PROJECT REFERENCE 243

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$1,961,883	\$ -	\$ -	\$ -	\$ -	\$1,961,883

*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's 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: \$1,961,883 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: With less hydrogen sulfide gas generation, there will be less odor control necessary, thereby generating savings in that area.*

## PROJECT REFERENCE 244

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$8,274	\$650,000	\$ -	\$ -	\$ -	\$658,274

*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's 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: \$8,274 is the FY 2021 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 2022 – FY 2026

## PROJECT REFERENCE 245

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$31,922	\$400,000	\$ -	\$ -	\$ -	\$431,922

*Description: Rehabilitate the lift station, including: wet well rehabilitation/replacement; replacement of corroded piping, fittings, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls; and installation of new perimeter fence and concrete driveway. Note: \$31,922 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.*

## PROJECT REFERENCE 246

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$498,000	\$ -	\$ -	\$ -	\$ -	\$498,000

*Description: Existing pumps are at the end of their life cycle, unreliable and beyond repair. Replace 4 each existing pumps with new submersible wastewater non-clog pumps.*

*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 2022 – FY 2026

## PROJECT REFERENCE 247

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$429,808	\$ -	\$ -	\$ -	\$ -	\$429,808

*Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fittings, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$29,808 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.*

## PROJECT REFERENCE 248

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$622,912	\$ -	\$ -	\$ -	\$ -	\$622,912

*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: \$622,912 is the FY 2021 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 2022 – FY 2026

## PROJECT REFERENCE 249

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$42,912	\$450,000	\$ -	\$ -	\$ -	\$492,912

*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: \$42,912 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.*

## PROJECT REFERENCE 250

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$291,286	\$ -	\$ -	\$ -	\$ -	\$291,286

*Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fittings, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$33,286 is the FY 2021 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 2022 – FY 2026

## PROJECT REFERENCE 251

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$ -	\$ -	\$695,000	\$ -	\$695,000

*Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fittings, 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 252

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$31,922	\$400,000	\$ -	\$ -	\$ -	\$431,922

*Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fittings, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$31,922 is the FY 2021 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 2022 – FY 2026

## PROJECT REFERENCE 253

*Lift Station No. 63 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: Must Do

Originator: Hector Herrera Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$1,600,000	\$ -	\$ -	\$ -	\$1,600,000

*Description: Design, engineer and replace/upgrade the existing force main from lift station no. 63 to the Robindale Wastewater Treatment Plant to a 36-inch diameter force main.*

*Project Cost Savings & Revenues: The project's completion will increase the capacity of the wastewater flows in this area of the City of Brownsville.*

## PROJECT REFERENCE 254

*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: Must Do

Originator: Hector Herrera Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$1,768,421	\$ -	\$ -	\$ -	\$ -	\$1,768,421

*Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fittings, 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: \$68,421 is the FY 2021 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 2022 – FY 2026

### PROJECT REFERENCE 255

*Lift Station No. 65A Pump Replacement*

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 Jr

Utility Function: Wastewater Pumping

#### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$62,000	\$ -	\$ -	\$ -	\$ -	\$62,000

*Description: Replace the existing pump with a new submersible wastewater non-clog pump. Note: \$62,000 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.*

### PROJECT REFERENCE 256

*Lift Station No. 65 B Pump Replacement*

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 Jr

Utility Function: Wastewater Pumping

#### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$64,000	\$ -	\$ -	\$ -	\$ -	\$64,000

*Description: Replace the existing pump with a new submersible wastewater non-clog pump. Note: \$64,000 is the FY 2021 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 2022 – FY 2026

## PROJECT REFERENCE 257

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$386,601	\$ -	\$ -	\$ -	\$ -	\$386,601

*Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fittings, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$36,601 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.*

## PROJECT REFERENCE 258

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$6,939	\$75,000	\$600,000	\$ -	\$ -	\$681,939

*Description: Lift station is beyond its service life. Lift station's 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 2021 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 2022 – FY 2026

## PROJECT REFERENCE 259

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$18,347	\$75,000	\$600,000	\$ -	\$ -	\$693,347

*Description: Lift station is beyond its service life. Lift station's 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 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 260

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$27,872	\$745,000	\$ -	\$ -	\$ -	\$772,872

*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's 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: \$27,872 is the FY 2021 carryover amount*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 261

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$ -	\$695,000	\$ -	\$ -	\$695,000

*Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fittings, 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 262

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$35,054	\$ -	\$260,000	\$ -	\$ -	\$295,054

*Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fittings, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$35,054 is the FY 2021 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 2022 – FY 2026

## PROJECT REFERENCE 263

### *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 Jr

Utility Function: Wastewater Pumping

#### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$695,000	\$ -	\$ -	\$ -	\$695,000

*Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fittings, 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 264

### *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 Jr

Utility Function: Wastewater Pumping

#### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$ -	\$ -	\$695,000	\$ -	\$695,000

*Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fittings, 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 2022 – FY 2026

## PROJECT REFERENCE 265

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$31,922	\$ -	\$400,000	\$ -	\$ -	\$431,922

*Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fittings, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$31,922 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.*

## PROJECT REFERENCE 266

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$31,922	\$545,000	\$ -	\$ -	\$ -	\$576,922

*Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fittings, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$31,922 is the FY 2021 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 2022 – FY 2026

## PROJECT REFERENCE 267

*Lift Station No. 96 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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$31,922	\$ -	\$ -	\$325,000	\$ -	\$356,922

*Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fittings, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$31,922 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.*

## PROJECT REFERENCE 268

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$31,922	\$400,000	\$ -	\$ -	\$ -	\$431,922

*Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fittings, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$31,922 is the FY 2021 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 2022 – FY 2026

## PROJECT REFERENCE 269

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$41,174	\$300,000	\$ -	\$ -	\$ -	\$341,174

*Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fittings, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$41,174 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.*

## PROJECT REFERENCE 270

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$ -	\$ -	\$500,000	\$ -	\$500,000

*Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fittings, 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 2022 – FY 2026

## PROJECT REFERENCE 271

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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's structures.*

*Project Cost Savings & Revenues: After the lift station is decommissioned, there will not be any components to repair or maintain other than the regular maintenance of the gravity sewer system.*

## PROJECT REFERENCE 272

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$335,837	\$ -	\$ -	\$ -	\$ -	\$335,837

*Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fittings, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$35,837 is the FY 2021 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 2022 – FY 2026

## PROJECT REFERENCE 273

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$1,138,101	\$ -	\$ -	\$ -	\$ -	\$1,138,101

*Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fittings, valves, pumps, pump base ells, guide rails, wet well hatch, and electrical controls. Note: \$442,601 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.*

## PROJECT REFERENCE 274

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$ -	\$ -	\$300,000	\$ -	\$300,000

*Description: Rehabilitate the lift station including: wet well rehabilitation/replacement; replacement of corroded piping, fittings, 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 2022 – FY 2026

## PROJECT REFERENCE 275

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$580,081	\$ -	\$ -	\$ -	\$ -	\$580,081

*Description: Upgrade Lift Station No. 140's capacity to accommodate projected wastewater demand by replacing the wet well, mechanical components and electrical components. Note: \$580,081 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: The project's completion will yield O&M cost savings.*

## PROJECT REFERENCE 276

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 277

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$100,000	\$575,000	\$690,000	\$ -	\$1,365,000

*Description: Wastewater flows toward the south system; and there is no infrastructure to transfer these flows to the north system. Lift Station No. 4 force main installation will reroute flows to the north system.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 278

*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 Jr

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 279

*Estimated miscellaneous carryover project amount*

Organization: 3310 Water & Wastewater Engineering

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Improvement

Project Considered: Reliability

Originator: Marie C. Leal

Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$27,158	\$ -	\$ -	\$ -	\$ -	\$27,158

*Description: Carryover projects include wastewater line inspections for subdivisions throughout the City and other wastewater utility projects. Note: \$27,158 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 280

*South Colonias Project Design*

Organization: 3310 Water & Wastewater Engineering

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover

Funding Source: Improvement

Project Considered: Reliability

Originator: Marie C. Leal

Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$126,010	\$ -	\$ -	\$ -	\$ -	\$126,010

*Description: This project is for the design and engineering services for the addition of first-time sewer services to various colonias in the south areas of Brownsville. Note: \$126,010 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 281

*South Colonias Project – design and engineering*

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: Marie C. Leal  
Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$210,000	\$ -	\$ -	\$ -	\$ -	\$210,000

*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.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 282

*North Colonias Project Design*

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Marie C. Leal  
Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$964	\$ -	\$ -	\$ -	\$ -	\$964

*Description: This project is for the design and engineering services for the addition of first-time sewer services to various colonias in the north areas of Brownsville. Note: \$964 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 283

*North Colonias Project – design and engineering*

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: Marie C. Leal  
Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$600,000	\$ -	\$ -	\$ -	\$ -	\$600,000

*Description: This project is for the construction and addition of first-time sewer services to various colonias in the north areas of Brownsville. This funding is for the design and surveying portion of this project.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 284

*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: Marie C. Leal  
Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$57,793	\$ -	\$ -	\$ -	\$ -	\$57,793

*Description: Design and engineering 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 2021 carryover amount.*

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

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 285

*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: Marie C. Leal  
Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$42,457	\$ -	\$ -	\$ -	\$ -	\$42,457

*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: \$42,457 is the FY 2021 carryover amount.*

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

## PROJECT REFERENCE 286

*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: Marie C. Leal  
Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	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 2021 carryover amount.*

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

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 287

*Old Port Isabel Road 24-inch diameter force main replacement*

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: Marie C. Leal

Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$4,328	\$ -	\$ -	\$ -	\$ -	\$4,328

*Description: Design and engineer the replacement of the 24-inch diameter force main on Old Port Isabel Road between Price Road and Ruben Torres Blvd. Note: \$4,328 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 288

*2020 CIP Contract No. 4 – 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: Reliability

Originator: Marie C. Leal

Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$595,130	\$ -	\$ -	\$ -	\$ -	\$595,130

*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: \$595,130 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 289 and 290

*Avenida de la Plata, Elsa Street, Marvis Street and San Pedro Lane Wastewater Utility Improvements*

Organization: 3310 Water & Wastewater Engineering

Funding Source: Improvement and Commercial Paper

Project Related to: Replacements/Upgrades/Rehabilitation

Project Considered: Must Do

Project Occurrence: One-time

Originator: Marie C. Leal

Category: Carryover and New

Utility Function: Wastewater Collection

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$1,019,197	\$ -	\$ -	\$ -	\$ -	\$1,019,197

*Description: The project involves replacement/upgrades of existing water mains, valves, fittings, and service connections due to City Street Reconstruction Projects. Note: \$37,197 is the FY 2021 carryover amount from the Improvement Fund.*

*Project Cost Savings & Revenues: Replacement of degraded infrastructure will reduce system breakdowns occurrences and O&M costs.*

## PROJECT REFERENCE 291

*Calvin Street Wastewater Utility Improvements*

Organization: 3310 Water & Wastewater Engineering

Funding Source: Improvement

Project Related to: Replacements/Upgrades/Rehabilitation

Project Considered: Must Do

Project Occurrence: One-time

Originator: Marie C. Leal

Category: Reallocation

Utility Function: Wastewater Collection

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$14,882	\$ -	\$ -	\$ -	\$ -	\$14,882

*Description: The project involves replacement/upgrades of existing water mains, valves, fittings, and service connections due to City Street Reconstruction Projects. Note: \$14,882 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: Replacement of degraded infrastructure is expected to reduce system breakdowns and O&M costs.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 292

### *Portway Place Subdivision Wastewater Utility Improvements*

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

Funding Source: Improvement  
Project Considered: Reliability  
Originator: Marie C. Leal  
Utility Function: Wastewater Collection

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$210,974	\$ -	\$ -	\$ -	\$ -	\$210,974

*Description: The project involves replacement of gravity sanitary sewer collection system with PVC pipe, fiberglass manholes and service laterals in coordination with City Street Reconstruction Projects. Note: \$21,004 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: Replacement of degraded infrastructure is expected to reduce system breakdowns and O&M costs.*

## PROJECT REFERENCE 293 and 294

### *COB Contract No. 3 at Jose Marti Blvd, Calle Buenos Aires, Calle Costa Rica and Calle Nortena Wastewater Utility Improvements.*

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

Funding Source: Improvement and Commercial Paper  
Project Considered: Reliability  
Originator: Marie C. Leal  
Utility Function: Wastewater Collection

#### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$37,189	\$280,760	\$ -	\$ -	\$ -	\$317,949

*Description: The project involves replacement of gravity sanitary sewer collections system with PVC pipe, fiberglass manholes and service laterals in coordination with City Street Reconstruction Projects. Note: \$37,189 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: Replacement of degraded infrastructure is expected to reduce system breakdowns and O&M costs.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 295

*South Indiana FM 511 Utility Adjustments*

Organization: 3310 Water & Wastewater Engineering

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover and New

Funding Source: Improvement

Project Considered: Reliability

Originator: Marie C. Leal

Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$173,757	\$ -	\$ -	\$ -	\$ -	\$173,757

*Description: The project involves the removal, replacement and adjustment of two existing wastewater force mains (6-inch and 8-inch diameter) within a proposed TXDOT bridge expansion project on South Indiana Avenue (FM 511). Note: \$173,757 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: Replacement of degraded infrastructure is expected to reduce system breakdowns and O&M costs.*

## PROJECT REFERENCE 296

*E 15<sup>th</sup> Street Utility Improvements*

Organization: 3310 Water & Wastewater Engineering

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Carryover and New

Funding Source: Improvement

Project Considered: Reliability

Originator: Marie C. Leal

Utility Function: Water Transmission & Distribution

### *Estimated Project Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$168,316	\$ -	\$ -	\$ -	\$ -	\$168,316

*Description: The project involves replacement/upgrades of existing water mains, valves, fittings, and service connections due to City Street Reconstruction Projects. Note: \$616 is the FY 2022 carryover amount.*

*Project Cost Savings & Revenues: Replacement of degraded infrastructure is expected to reduce system breakdowns and O&M costs.*



# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 297

*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: General

Originator: Marie C. Leal

Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$414,132	\$800,000	\$800,000	\$ -	\$ -	\$1,294,132

*Description: R The project involves replacement/upgrades of existing water mains, valves, fittings, and service connections due to the City Street Reconstruction Five-Year Plan. Note: \$45,251 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: Replacement of degraded infrastructure is expected to reduce system breakdowns and O&M costs.*

## PROJECT REFERENCE 298

*North Regional Lift Stations and Force Main System - Phase 1*

Organization: 3230 Wastewater Lift Stations

Project Related to: Growth

Project Occurrence: One-time

Category: Carryover

Funding Source: Impact Fees

Project Considered: Load/Capacity Relief

Originator: Marie C. Leal

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$1,487,667	\$1,000,000	\$ -	\$ -	\$ -	\$2,487,667

*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: \$1,487,667 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 299

*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: Marie C. Leal  
Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$127,865	\$ -	\$ -	\$ -	\$ -	\$127,865

*Description: This line item is the budget for the carryover projects rolled over from Fiscal Year 2021. Projects include the installation of structures at the wastewater treatment plants and other wastewater utility improvements. Note: \$127,865 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 300

*North Regional Lift Stations and Force Main System – Phase 2*

Organization: 3230 Wastewater Lift Stations  
Project Related to: Growth  
Project Occurrence: One-time  
Category: Resubmission

Funding Source: Commercial Paper  
Project Considered: Load/Capacity Relief  
Originator: Marie C. Leal  
Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$ -	\$ -	\$1,250,000	\$1,200,000	\$2,450,000

*Description: Wastewater flow from BPUB's northwest service areas is currently bottlenecked through a series of force mains and lift stations along major arterials that serve other areas and were not designed/sized to serve the northwest. These force mains and lift stations are overloaded and cannot accommodate any more flow from additional growth. Design, engineer and construct four regional lift stations and a major trunk force main across the north side of the service area, connecting the system directly to the Robindale Wastewater Treatment Plant.*

*Project Cost Savings & Revenues: This project will increase the efficiency of the existing lift stations, resulting in reduced maintenance, and accommodate future growth in this area of the City of Brownsville.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 301

*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: Load/Capacity Relief

Originator: Marie C. Leal

Utility Function: Wastewater Pumping

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$200,000	\$850,000	\$1,400,000	\$ -	\$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 along Old Port Isabel Road to the Robindale Wastewater Treatment Plant.*

*Project Cost Savings & Revenues: his project will increase the efficiency of the existing lift stations, resulting in reduced maintenance.*

## PROJECT REFERENCE 302

*Lift Station No. 17,72, and 95 Forcemain Re-Route*

Organization: 3310 Water & Wastewater Engineering

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: New

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Marie C. Leal

Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$300,000	\$ -	\$ -	\$ -	\$ -	\$300,000

*Description: The existing force mains do not properly match the capacity of their respective list stations, resulting in velocities that are low/high in violation of TCEQ requirements. Design and engineer the new force mains to revise and re-size the existing force mains to meet TCEQ flow velocities.*

*Project Cost Savings & Revenues: Upgrading the force main will allow the lift station pumps to pump more efficiently, decreasing O&M maintenance.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 303

*Lift Station No. 111 Odor Control Filter*

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

Funding Source: Commercial Paper  
Project Considered: Load/Capacity Relief  
Originator: Marie C. Leal  
Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$153,575	\$357,885	\$ -	\$ -	\$ -	\$511,460

*Description: The current lift station does not have any odor control system in place. Provide vapor phase odor control biotrickling filters at Lift Station No. 111.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 304

*Sanitary Sewer Siphon at Rentfro Blvd*

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

Funding Source: Commercial Paper  
Project Considered: Load/Capacity Relief  
Originator: Marie C. Leal  
Utility Function: Wastewater Collection

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$807,000	\$ -	\$ -	\$ -	\$807,000

*Description: Install a sanitary sewer siphon under an existing storm sewer culvert to eliminate sanitary sewer overflows on Rentfro Blvd. and Scott St.*

*Project Cost Savings & Revenues: Replacement of degraded infrastructure is expected to reduce system breakdowns and O&M costs.*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 305

### *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: WW Administration

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$48,224	\$ -	\$ -	\$ -	\$ -	\$48,224

*Description: This line item is the budget for the carryover capital equipment. These items include purchases of a vehicle and other equipment. Note: \$48,224 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 306

### *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: WW Administration

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$1,264,885	\$ -	\$ -	\$ -	\$ -	\$1,264,885

*Description: This line item is the budget for the estimated 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 2022 – FY 2026

## PROJECT REFERENCE 307

*Annex Administration Building - furniture, fixtures and other equipment*

Organization: 4105 Facilities Projects Operations

Project Related to: Growth

Project Occurrence: One-time

Category: Resubmission

Funding Source: Commercial Paper

Project Considered: Must Do

Originator: Marie Leal

Utility Function: Facilities

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$2,642,227	\$ -	\$ -	\$ -	\$ -	\$2,642,227

*Description: Purchase and install furniture, fixtures and other equipment for the Annex Administration Building. Note: \$2,642,227 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 308

*Administration Bldg Remodel*

Organization: 4105 Facilities Projects Operations

Project Related to: Replacements/Upgrades/Rehabilitation

Project Occurrence: One-time

Category: Resubmission

Funding Source: Improvement

Project Considered: Must Do

Originator: Marie Leal

Utility Function: Facilities

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$2,100,000	\$ -	\$ -	\$ -	\$2,100,000

*Description: Design and remodel the existing Administration Building.*

*Project Cost Savings & Revenues: N/A*

# FIVE-YEAR CAPITAL IMPROVEMENTS PLAN SUMMARY

ELECTRIC, WATER AND WASTEWATER

FY 2022 – FY 2026

## PROJECT REFERENCE 309

*Administration Bldg Remodel - furniture, fixtures and other equipment*

Organization: 4105 Facilities Projects Operations  
Project Related to: Replacements/Upgrades/Rehabilitation  
Project Occurrence: One-time  
Category: Resubmission

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Marie Leal  
Utility Function: Facilities

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$ -	\$500,000	\$ -	\$ -	\$ -	\$500,000

*Description: Purchase and install furniture, fixtures and other equipment for the remodeled Administration Building.*

*Project Cost Savings & Revenues: N/A*

## PROJECT REFERENCE 310

*Annex Administration Building – construction services, as Board approved on 10/29/20*

Organization: 4105 Facilities Projects Operations  
Project Related to: Growth  
Project Occurrence: One-time  
Category: Amendment

Funding Source: Improvement  
Project Considered: Must Do  
Originator: Marie Leal  
Utility Function: Facilities

### *Estimated Costs by Fiscal Year*

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	TOTAL
\$1,158,027	\$ -	\$ -	\$ -	\$ -	\$1,158,027

*Description: Construct a new Annex Administration Building off of Robinhood Drive.  
Note: \$1,158,027 is the FY 2021 carryover amount.*

*Project Cost Savings & Revenues: N/A*

**CAPITAL BUDGET SUMMARY**  
**Improvement Fund Projects (Fund 400)**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2022	FISCAL YEARS 2023-2025	FIVE-YEAR TOTAL
<b>ELECTRIC PROJECTS</b>				
<b>DEPARTMENT 2120 - SUBSTATIONS AND RELAYING</b>				
1	Purchase and installation of a 69 KV breaker for the Union Carbide Substation	9,668	-	9,668
2	Airport Substation, Transformer No. 1 Upgrade, 69 KV to 138 KV	4,212,400	-	4,212,400
3	Replace 145KV breakers at 6th Street and Power Plant Substation	120,384	-	120,384
4	145KV circuit breaker replacements - various substations (Board-approved on 12/14/2020)	33,638	-	33,638
5	Substations Control Buildings Roof Replacements for 6th Street, Titan and Loma Alta	72,462	-	72,462
6	Battery Banks Replacement at Titan and Power Plant Substations	66,190	-	66,190
7	Replace Control Building Roof for Midtown, Military Hwy, and Price Rd Substations	-	75,000	75,000
8	acSElerator Team SEL-5045 Software Implementation	-	200,000	200,000
9	Battery Banks Replacement at Midtown, 6th Street and South Plant Substations	-	80,000	80,000
<b>Total for Dept. 2120</b>		<b>4,514,742</b>	<b>355,000</b>	<b>4,869,742</b>
<b>DEPARTMENT 2210 - SCADA &amp; ELECTRICAL SUPPORT SERVICES</b>				
13	SCADA (Substations Communications)	423,191	-	423,191
14	Substation and Control Centers Video Camera Upgrade	350,000	-	350,000
15	Open Systems International (OSI) Chronus Historian	-	182,120	182,120
<b>Total for Dept. 2210</b>		<b>773,191</b>	<b>182,120</b>	<b>955,311</b>
<b>DEPARTMENT 2410 - ELECTRIC ENGINEERING</b>				
17	Estimated miscellaneous carryover project amount - Electric Distribution	888,479	-	888,479
18	Estimated miscellaneous carryover project amount - Electric Transmission	36,398	-	36,398
19	New Connections	1,231,095	3,168,800	4,399,895
20	New Subdivisions	1,056,941	4,880,000	5,936,941
21	Security Light Installation	306,109	381,200	687,309
22	Street Light Installations	263,541	361,200	624,741
23	Trouble Calls & Service Increases	799,834	6,070,400	6,870,234
24	Feeder Utility Pole Replacement Project off of Boca Chica Blvd and other locations in the City of Brownsville	43,765	-	43,765
25	Overhead to underground conversion along Les Mauldin Road from South Iowa Rd to Amelia Earhart Dr	78,597	-	78,597
26	Billy Mitchell Blvd Street Lights Upgrade	650,000	-	650,000
27	Underground Feeder Circuit from Airport Substation to Trico	135,138	-	135,138

continued



**CAPITAL BUDGET SUMMARY**  
**Improvement Fund Projects (Fund 400) – Continued**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2022	FISCAL YEARS 2023-2025	FIVE-YEAR TOTAL
28	Rio Grande Distribution Substation Upgrade, 69 KV to 138 KV	101,181	-	101,181
29	Power Plant Substation Disconnect Switches Replacement	3,152	-	3,152
30	Loma Alta Switching and Distribution Substation Upgrades to Accommodate the New Sharyland Utilities Switching Station	310,245	-	310,245
31	Relay and other upgrades at Price Rd, Waterport and Loma Alta Substations to accommodate the Sharyland Utilities Switching Station	144,329	-	144,329
32	SRWA Water Wells Generators Project (Well No. 9, 10 and 17)	198,374	-	198,374
33	State Highway 48 Pole Relocation Project	39,704	-	39,704
34	Port of Brownsville Cross Arms Replacement	70,718	-	70,718
35	Alternate Service Feeder to Annex	182,496	-	182,496
36	Feeder Extension and Tie along Coffee Road	69,344	-	69,344
37	Boca Chica Fiber Installation (Phase 1) between US Hwy 77/83 and Padre Island Hwy	17,716	-	17,716
38	Battlefield Trail Fiber Installation (Phase 2) - Hike and Bike Trail along Paredes Line Rd between Boca Chica Blvd and Morrison Rd	5,718	-	5,718
39	Boca Chica Fiber Installation (Phase 3) between Padre Island Hwy and FM 511	87,500	-	87,500
40	Fiber optic from Southmost Library to new Airport terminal	14,424	-	14,424
41	Distribution Management System (DMS) Implementation Project	58,120	-	58,120
42	Extension of Electric Service to the City of Brownsville and Department of Public Safety Joint Tactical Training Center	75,266	-	75,266
43	6 each Automatic Transfer Switches	225,662	-	225,662
44	28MVA 138/12.47kV Power Transformer - spare for Military Highway Substation	162,216	-	162,216
45	Purchase and Install a Second Power Transformer at the Palo Alto Substation	156,586	1,413,683	1,570,269
46	Capacitor Bank and Controller Installations	-	250,000	250,000
47	Install a Second Power Transformer at the Water Port Substation	-	1,885,000	1,885,000
48	Install Electrical Conductor and Conduit at Isla de Palmas Subdivision Section I, II, III, IV and V	168,000	-	168,000
49	Install Electrical Conductor and Conduit at Timbers Subdivision Section I, II and III	89,600	-	89,600
50	Recloser Controls on Substation Feeders	-	250,000	250,000
51	Dynamic Disturbance Recorder Installation at Price Road Substation	64,440	-	64,440
52	Overhead Insulated Wire Installation	-	110,000	110,000
<b>Total for Dept. 2410</b>		<b>7,734,688</b>	<b>18,770,283</b>	<b>26,504,971</b>
<b>DEPARTMENT 6105 - CUSTOMER &amp; INFORMATION SERVICES</b>				
58	Advanced Metering Infrastructure (AMI) - electric	3,332,988	9,485,854	12,818,842
<b>Total for Dept. 6105</b>		<b>3,332,988</b>	<b>9,485,854</b>	<b>12,818,842</b>

continued

**CAPITAL BUDGET SUMMARY**  
**Improvement Fund Projects (Fund 400) – Continued**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2022	FISCAL YEARS 2023-2025	FIVE-YEAR TOTAL
<b>DEPARTMENT 7135 - GEOGRAPHIC INFORMATION SYSTEMS</b>				
59	Asset Management Strategic Plan Analysis Project	150,000	-	150,000
	<b>Total for Dept. 7135</b>	<b>150,000</b>	<b>-</b>	<b>150,000</b>
<b>ELECTRIC TRANS. &amp; DIST. PROJECT TOTAL:</b>				
		<b>16,505,609</b>	<b>28,793,257</b>	<b>45,298,866</b>
<b>DEPARTMENT 2220 - POWER PRODUCTION</b>				
60	Hidalgo Capital Improvements	739,303	-	739,303
62	Unit 10 Chiller Cooling Tower Replacement	731,261	-	731,261
63	Control System Integration of Unit 9 Fuel Gas Compressors	33,603	-	33,603
64	Unit 6 Improvements, HRSG Economizer Panel Replacement and Generator Gas Analyzer Replacement	1,880,687	-	1,880,687
65	Unit 6 Improvement Project	-	8,363,977	8,363,977
66	Unit 10 Ovation Control Upgrade	-	871,000	871,000
69	Digital Control System (DCS) Windows 10 Upgrade	-	1,460,514	1,460,514
	<b>Total for Dept. 2220</b>	<b>3,384,854</b>	<b>10,695,491</b>	<b>14,080,345</b>
<b>DEPARTMENT 4310 - OPERATIONAL SUPPORT SERVICES</b>				
71	Gas pipeline right-of-way project completion	180,877	-	180,877
	<b>Total for Dept. 4310</b>	<b>180,877</b>	<b>-</b>	<b>180,877</b>
<b>ELECTRIC GENERATION PROJECT TOTAL:</b>				
		<b>\$ 3,565,731</b>	<b>\$ 10,695,491</b>	<b>\$ 14,261,222</b>
<b>ESTIMATED PROJECT TOTAL - ELECTRIC</b>				
		<b>\$ 20,071,340</b>	<b>\$ 39,488,748</b>	<b>\$ 59,560,088</b>
<b>GENERAL &amp; ADMINISTRATIVE PROJECTS</b>				
<b>DEPARTMENT 1110 - GENERAL MANAGER</b>				
74	Architect/engineering design services for Administration Building Annex	212,584	-	212,584
75	Administration Building Remodeling - design	122,584	-	122,584
76	Restrooms Renovation Project	4,212	-	4,212
77	Traffic Signal on FM 511 and Old Alice Rd	305,589	-	305,589
	<b>Total for Dept. 1110</b>	<b>644,969</b>	<b>-</b>	<b>644,969</b>
<b>DEPARTMENT 1165 - RECORDS MANAGEMENT</b>				
78	Implementation of an Enterprise Content Management (ECM) System	223,607	-	223,607
	<b>Total for Dept. 1165</b>	<b>223,607</b>	<b>-</b>	<b>223,607</b>

continued

**CAPITAL BUDGET SUMMARY**  
**Improvement Fund Projects (Fund 400) – Continued**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2022	FISCAL YEARS 2023-2025	FIVE-YEAR TOTAL
<b>DEPARTMENT 1422 - ANALYTICAL LAB</b>				
79	Laboratory Expansion	-	2,000,000	2,000,000
80	HVAC Replacement Project	174,211	-	174,211
	<b>Total for Dept. 1422</b>	<b>174,211</b>	<b>2,000,000</b>	<b>2,174,211</b>
<b>DEPARTMENT 6135 - CIS SUPPORT</b>				
83	Cayenta Utilities (UMS) Upgrade	32,668	-	32,668
84	Bill Print - Implementation and license for Planet Press Software	6,419	-	6,419
85	Cayenta The Customer Engagement Portal	-	243,140	243,140
	<b>Total for Dept. 6135</b>	<b>39,087</b>	<b>243,140</b>	<b>282,227</b>
<b>DEPARTMENT 7130 - INFORMATION TECHNOLOGY</b>				
86	Pure Storage Expansion	13,058	-	13,058
87	Dell FX chassis and storage - Power Plant	34,222	-	34,222
88	Offsite Hardware - Drive Expansion	100,000	-	100,000
89	IT Room Generator at Power Plant (backup power)	81,757	-	81,757
90	Cognos Software	7,220	-	7,220
91	APC / UPS - DataCenter Hardware replacement	50,000	-	50,000
92	Mobile Time Entry for the mobile work force	28,781	-	28,781
93	Cybersecurity appliances	23,949	-	23,949
94	Information technology for Annex Building	123,000	-	123,000
95	Dell FX Chassis and Storage - Administration Building	123,000	-	123,000
96	FM 511 Tower	150,000	-	150,000
97	UPS - IT Equipment at New Building FM 511	45,000	-	45,000
98	Cisco Core Networking Equipment - Annex Building	100,000	-	100,000
99	E911 and Cisco Switch Upgrade	-	226,000	226,000
100	Next Gen Cybersecurity appliances	120,000	120,000	240,000
101	Phone system blades and storage	-	245,000	245,000
102	Enterprise Backup Appliance DR4100	75,000	-	75,000
103	Firewall security appliances	125,000	225,000	350,000
104	Enterprise Storage	-	252,000	252,000
	<b>Total for Dept. 7130</b>	<b>1,199,987</b>	<b>1,068,000</b>	<b>2,267,987</b>
<b>ESTIMATED TOTAL BY CATEGORY:</b>				
	GENERAL & ADMINISTRATIVE	2,242,774	3,068,000	5,310,774
	ADMINISTRATIVE - CUSTOMER SERVICE	39,087	243,140	282,227
	<b>ESTIMATED PROJECT TOTAL - GEN. &amp; ADMIN.</b>	<b>2,281,861</b>	<b>3,311,140</b>	<b>5,593,001</b>
<b>ESTIMATED OVERALL PROJECT TOTAL - ELECTRIC</b>		<b>\$ 22,353,201</b>	<b>\$ 42,799,888</b>	<b>\$ 65,153,089</b>
72	<b>ADD CARRYOVER CAPITAL EQUIPMENT</b>	<b>168,604</b>	<b>-</b>	<b>168,604</b>
73	<b>ADD ESTIMATED CAPITAL EQUIPMENT</b>	<b>1,811,075</b>	<b>6,000,000</b>	<b>7,811,075</b>
	<b>ESTIMATED OVERALL TOTAL - ELECTRIC</b>	<b>\$ 24,332,880</b>	<b>\$ 48,799,888</b>	<b>\$ 73,132,768</b>

continued

**CAPITAL BUDGET SUMMARY**  
**Improvement Fund Projects (Fund 400) – Continued**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2022	FISCAL YEARS 2023-2025	FIVE-YEAR TOTAL
<b>WATER PROJECTS</b>				
<b>DEPARTMENT 1420 - ENVIRONMENTAL COMPLIANCE</b>				
105	Loading/Unloading Facility to disinfect water tankers for SpaceX - engineering and construction	-	200,000	200,000
	<b>Total for Dept. 1420</b>	<b>-</b>	<b>200,000</b>	<b>200,000</b>
<b>DEPARTMENT 2210 - SCADA &amp; ELECTRICAL SUPPORT SERVICES</b>				
106	SRWA Wells Fiber Optic Communications	-	505,000	505,000
	<b>Total for Dept. 2210</b>	<b>-</b>	<b>505,000</b>	<b>505,000</b>
<b>DEPARTMENT 3120 - WATER PLANT I</b>				
107	Raw Water Pump Station - engineering (Packet 4) and construction	770,911	-	770,911
108	High Service Pump Station No. 1 - engineering (Packet 4)	38,308	-	38,308
109	High Service Pump Station No. 2 - engineering (Packet 4) Pump and Motor Replacement	23,775	-	23,775
111	Access Control and Facility Cameras	58,500	-	58,500
112	Replacement of Compressors	-	63,913	63,913
113	Replacement of Waste Pumps	-	181,416	181,416
114	Replacement of rakes for two clarifiers (B1 and B2)	-	260,000	260,000
	<b>Total for Dept. 3120</b>	<b>891,494</b>	<b>505,329</b>	<b>1,396,823</b>
<b>DEPARTMENT 3130 - WATER PLANT II</b>				
126	Installation of New Caustic Soda Feed System	11,178	-	11,178
127	High Service Pump Station (5 vertical turbine pumps) - engineering (Packet 4)	27,577	-	27,577
128	Raw Water Pump Station - engineering (Packet 4)	21,238	-	21,238
129	Aeration Structure Rehabilitation - engineering (Packet 3)	125,824	-	125,824
130	Aeration Tank Replacement - engineering (Packet 3)	128,170	-	128,170
131	Reservoir Raw Water Pumps Variable Frequency Drives (VFDs) Replacement	-	55,022	55,022
	<b>Total for Dept. 3130</b>	<b>313,987</b>	<b>55,022</b>	<b>369,009</b>
<b>DEPARTMENT 3150 - W/WW OPERATIONS &amp; CONSTRUCTION</b>				
144	Water Valve Replacement Phase 3 Project - engineering	50,134	-	50,134
	<b>Total for Dept. 3150</b>	<b>50,134</b>	<b>-</b>	<b>50,134</b>
<b>DEPARTMENT 3310 - WATER &amp; WASTEWATER ENGINEERING</b>				
151	Estimated miscellaneous carryover project amount	90,140	-	90,140
152	W 5th Street Water Main Loop - engineering and construction	6,470	171,000	177,470

continued

**CAPITAL BUDGET SUMMARY**  
**Improvement Fund Projects (Fund 400) – Continued**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2022	FISCAL YEARS 2023-2025	FIVE-YEAR TOTAL
153	Sunset Dr Utility Improvements (between South Old Alice Rd and Palm Blvd) - engineering and construction	3,000	1,188,000	1,191,000
154	Tara Place, Dix Drive and Hacienda Lane Utility Improvements - engineering	4,431	-	4,431
155	Los Ebanos Blvd Utility Improvements (between East Drive and Honeydale Road) - engineering	19,335	-	19,335
156	Gabriel Street water service line crossings	76,604	-	76,604
157	EST No. 8 - Two Million Gallon Elevated Storage Tank to Replace the Southmost Elevated Storage Tank - engineering and construction	6,564,820	-	6,564,820
158	Installing first-time water service to residents of Torres Road	127,551	-	127,551
160	Avenida de la Plata, Elsa Street, Marvis Street and San Pedro Lane Water Utility Improvements - engineering	37,197	-	37,197
162	Calvin Street Water Utility Improvements - engineering	14,882	-	14,882
164	E 15th Street Utility Improvements - engineering	922	-	922
166	Water Utility Improvements - Annex	44,568	-	44,568
167	Extension of Water Service to the City of Brownsville and Department of Public Safety Joint Tactical Training Center	334,146	-	334,146
169	Water Main Replacements related to City Street Paving and Drainage Improvement Projects	226,167	1,600,000	1,826,167
170	FM 802 and Coffeeport Waterline Loop	-	384,480	384,480
171	Old Port Isabel Waterline System Loop	-	1,100,000	1,100,000
172	Southmost Blvd Waterline Upgrades (14th Street to International Blvd)	-	982,500	982,500
173	South Iowa Waterline Upgrade (Boca Chica Blvd to Billy Mitchell Blvd)	-	1,850,000	1,850,000
<b>Total for Dept. 3310</b>		<b>7,550,233</b>	<b>7,275,980</b>	<b>14,826,213</b>
<b>DEPARTMENT 6105 - CUSTOMER &amp; INFORMATION SERVICES</b>				
199	Advanced Metering Infrastructure (AMI) - water	3,202,283	9,091,248	12,293,531
<b>Total for Dept. 6105</b>		<b>3,202,283</b>	<b>9,091,248</b>	<b>12,293,531</b>
<b>ESTIMATED PROJECT TOTAL - WATER</b>		<b>\$ 12,008,131</b>	<b>\$ 17,632,579</b>	<b>\$ 29,640,710</b>
200	<b>ADD CARRYOVER CAPITAL EQUIPMENT</b>	<b>2,844,854</b>	<b>-</b>	<b>2,844,854</b>
201	<b>ADD ESTIMATED CAPITAL EQUIPMENT</b>	<b>896,037</b>	<b>-</b>	<b>896,037</b>
<b>ESTIMATED OVERALL TOTAL - WATER</b>		<b>\$ 15,749,022</b>	<b>\$ 17,632,579</b>	<b>\$ 33,381,601</b>

continued

**CAPITAL BUDGET SUMMARY**  
**Improvement Fund Projects (Fund 400) – Continued**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2022	FISCAL YEARS 2023-2025	FIVE-YEAR TOTAL
<b>WASTEWATER PROJECTS</b>				
<b>DEPARTMENT 3210 - SOUTH WASTEWATER TREATMENT PLANT</b>				
208	High Efficient Blowers - engineering (Packet 5)	33,574	-	33,574
209	SWWTP Improvements - Influent Channel - engineering (Packet 5)	92,878	-	92,878
210	SWWTP Improvements - Influent Channel - construction Board-approved on 10/29/2020	51,579	-	51,579
211	SWWTP Improvements - Digester Tank Replacement - engineering (Packet 5)	129,858	-	129,858
212	SWWTP Improvements - Digester Tank Replacement - construction Board-approved on 10/29/2020	1,045,341	-	1,045,341
213	SWWTP Improvements - Aeration Basin No. 3 - engineering (Packet 5)	54,570	-	54,570
214	SWWTP Improvements - Aeration Basin No. 3 - construction Board-approved on 10/29/2020	351,471	-	351,471
215	Belt Filter Press - engineering (Packet 4)	23,277	-	23,277
217	Non-Potable Water Pump and Motor No. 1 - engineering (Packet 4)	26,377	-	26,377
218	SWWTP Improvements - Headworks Grit System Upgrade and Retrofit - engineering	259,450	-	259,450
219	SWWTP Improvements - Headworks Grit System Upgrade and Retrofit - construction Board-approved on 10/29/2020	3,279,084	-	3,279,084
220	Facility Chain Link Fence Replacement - 1,600 linear feet along north and east perimeter	85,203	-	85,203
<b>Total for Dept. 3210</b>		<b>5,432,662</b>	<b>-</b>	<b>5,432,662</b>
<b>DEPARTMENT 3220 - ROBINDALE WASTEWATER TREATMENT PLANT</b>				
227	Turbo Blower Upgrades - engineering (Packet 3)	222,559	-	222,559
229	Non-Potable Water System Upgrade (Packet 4) - engineering	29,349	-	29,349
<b>Total for Dept. 3220</b>		<b>251,908</b>	<b>-</b>	<b>251,908</b>
<b>DEPARTMENT 3230 - WASTEWATER LIFT STATIONS</b>				
237	Lift Station Systemwide Fence Replacements	-	150,000	150,000
<b>Total for Dept. 3230</b>		<b>-</b>	<b>150,000</b>	<b>150,000</b>
<b>DEPARTMENT 3310 WATER &amp; WASTEWATER ENGINEERING</b>				
279	Estimated miscellaneous carryover project amount	27,158	-	27,158
280	South Colonias Project Design	126,010	-	126,010
282	North Colonias Project Design	964	-	964
284	Palm Village Utility Improvements - engineering	57,793	-	57,793
285	Rentfro Blvd Utility Improvements - engineering	42,457	-	42,457

continued

**CAPITAL BUDGET SUMMARY**  
**Improvement Fund Projects (Fund 400) – Continued**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2022	FISCAL YEARS 2023-2025	FIVE-YEAR TOTAL
286	Los Ebanos Blvd Utility Improvements (between East Drive and Honeydale Road) - engineering	53,814	-	53,814
287	Old Port Isabel Road 24-inch diameter force main replacement	4,328	-	4,328
288	2020 CIP Contract No. 4 - engineering and construction	595,130	-	595,130
289	Avenida de la Plata, Elsa Street, Marvis Street and San Pedro Lane Wastewater Utility Improvements	37,197	-	37,197
291	Calvin Street Wastewater Utility Improvements	14,882	-	14,882
292	Portway Place Subdivision Wastewater Utility Improvements	210,974	-	210,974
293	COB Contract No. 3 at Jose Marti Blvd, Calle Buenos Aires, Calle Costa Rica and Calle Nortena Wastewater Utility Improvements	37,189	-	37,189
295	South Indiana FM 511 Utility Adjustments	173,757	-	173,757
296	E 15th Street Utility Improvements	168,316	-	168,316
297	Sewer Replacements related to the City Street Paving and Drainage Improvement Projects	414,132	880,000	1,294,132
<b>Total for Dept. 3310</b>		<b>1,964,101</b>	<b>880,000</b>	<b>2,844,101</b>
<b>ESTIMATED PROJECT TOTAL - WASTEWATER</b>		<b>7,648,671</b>	<b>1,030,000</b>	<b>8,678,671</b>
305	<b>ADD CARRYOVER CAPITAL EQUIPMENT</b>	<b>48,224</b>	<b>-</b>	<b>48,224</b>
306	<b>ADD ESTIMATED CAPITAL EQUIPMENT</b>	<b>1,264,885</b>	<b>-</b>	<b>1,264,885</b>
<b>ESTIMATED OVERALL TOTAL - WASTEWATER</b>		<b>\$ 8,961,780</b>	<b>\$ 1,030,000</b>	<b>\$ 9,991,780</b>
<b>ESTIMATED PROJECT TOTAL</b>		<b>\$ 42,010,003</b>	<b>\$ 61,462,467</b>	<b>\$ 103,472,470</b>
<b>ESTIMATED CAPITAL EQUIPMENT TOTAL</b>		<b>7,033,679</b>	<b>6,000,000</b>	<b>13,033,679</b>
<b>OVERALL IMPROVEMENT FUND TOTAL - INTERNAL:</b>		<b>\$ 49,043,682</b>	<b>\$ 67,462,467</b>	<b>\$ 116,506,149</b>
<b>DEPARTMENT 4105 - OPERATIONS</b>				
308	Administration Bldg Remodel	-	2,100,000	2,100,000
309	Administration Bldg Remodel - furniture, fixtures and other equipment	-	500,000	500,000
310	Annex Administration Building - construction services, as Board-approved on 10/29/20	1,158,027	-	1,158,027
<b>Total for Dept. 4105</b>		<b>1,158,027</b>	<b>2,600,000</b>	<b>3,758,027</b>
<b>IMPROVEMENT FUND BUDGET - FACILITIES TOTAL</b>		<b>\$ 1,158,027</b>	<b>\$ 2,600,000</b>	<b>\$ 3,758,027</b>
<b>TOTAL IMPROVEMENT FUND BUDGET:</b>		<b>\$ 50,201,709</b>	<b>\$ 70,062,467</b>	<b>\$ 120,264,176</b>

**CAPITAL BUDGET SUMMARY**  
**Impact Fees Fund Projects (Fund 410)**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2022	FISCAL YEARS 2023-2025	FIVE-YEAR TOTAL
<b>WATER PROJECTS</b>				
<b>DEPARTMENT 3310 - WATER &amp; WASTEWATER ENGINEERING</b>				
178	16-inch Waterline Loop from Lago Vista to W. Alton Gloor Blvd	2,414,674	-	2,414,674
179	Boca Chica Blvd Waterline Upgrade (International Blvd to Owens Road)	1,402,007	-	1,402,007
180	Waterline Upgrade on Southmost Blvd from old EST 4 site to Lima St.	250,000	-	250,000
181	Waterline Upgrade Near WTP No. 1	521,000	-	521,000
182	Concrete Steel Cylinder Waterline Upgrade from Boca Chica Blvd (SH48) to WTP No. 2	900,000	1,000,000	1,900,000
183	FM 511 Waterline Loop (SH 48 to Boca Chica Blvd)	100,000	1,400,000	1,500,000
184	Martinal Area Waterline System Loop	165,000	-	165,000
185	FM 511 24-inch Waterline Loop (SRWA to Old Port Isabel Rd)	1,584,800	-	1,584,800
186	New Raw Water River Intake Facility	500,000	15,000,000	15,500,000
<b>Total for Dept 3310</b>		<b>7,837,481</b>	<b>17,400,000</b>	<b>25,237,481</b>
<b>ESTIMATED PROJECT TOTAL - WATER</b>		<b>\$ 7,837,481</b>	<b>\$ 17,400,000</b>	<b>\$ 25,237,481</b>
<b>DEPARTMENT 3310 - WATER &amp; WASTEWATER ENGINEERING</b>				
281	South Colonias Project - design and engineering	210,000	-	210,000
283	North Colonias Project - design and engineering	600,000	-	600,000
298	North Regional Lift Stations and Force Main System - Phase 1	1,487,667	1,000,000	2,487,667
<b>Total for Dept 3310</b>		<b>2,297,667</b>	<b>1,000,000</b>	<b>3,297,667</b>
<b>ESTIMATED PROJECT TOTAL - WASTEWATER</b>		<b>\$ 2,297,667</b>	<b>\$ 1,000,000</b>	<b>\$ 3,297,667</b>
<b>OVERALL ESTIMATED PROJECT TOTAL:</b>		<b>\$ 10,135,148</b>	<b>\$ 18,400,000</b>	<b>\$ 28,535,148</b>
<b>ADD ESTIMATED CAPITAL EQUIPMENT BUDGET</b>		<b>-</b>	<b>-</b>	<b>-</b>
<b>OVERALL TOTAL IMPACT FEES FUND BUDGET:</b>		<b>\$ 10,135,148</b>	<b>\$ 18,400,000</b>	<b>\$ 28,535,148</b>



**CAPITAL BUDGET SUMMARY**  
**Future Debt Bond Proceeds Projects (Commercial Paper Fund 405)**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2022	FISCAL YEARS 2023-2025	FIVE-YEAR TOTAL
<b>ELECTRIC PROJECTS</b>				
<b>DEPARTMENT 2120 - SUBSTATIONS AND RELAYING</b>				
10	Replace Legacy Overcurrent and Transformer Differential Protection Relays	50,000	200,000	250,000
11	Replace Circuit Switchers at FM 802 and 6th Street Substations	150,000	30,000	180,000
12	Replace 138 KV breakers: 1 at Military Hwy, 2 at Midtown, 1 at 6th Street, 2 at Filter Plant and 3 at Power Plant	600,000	150,000	750,000
<b>Total for Dept 2120</b>		<b>800,000</b>	<b>380,000</b>	<b>1,180,000</b>
<b>ELECTRIC PROJECTS</b>				
<b>DEPARTMENT 2210 - SCADA &amp; ELECTRICAL SUPPORT SERVICES</b>				
16	Electrical SCADA Replacement of System Software and Hardware	316,208	-	316,208
<b>Total for Dept 2210</b>		<b>316,208</b>	<b>-</b>	<b>316,208</b>
<b>DEPARTMENT 2410 - ELECTRIC ENGINEERING</b>				
53	Union Carbide 69 kV to 138 kV Conversion and Transmission Line Work	400,000	7,225,000	7,625,000
54	South Plant Substation Feeders to serve developments	293,200	150,000	443,200
55	3ea spare 145KV circuit breakers	148,583	-	148,583
56	56 MVA Northwest Distribution Substation	3,029,092	3,300,000	6,329,092
57	Electric System Construction Contract (Labor Only for Non-Site Specific Construction)	2,000,000	-	2,000,000
<b>Total for Dept 2410</b>		<b>5,870,875</b>	<b>10,675,000</b>	<b>16,545,875</b>
<b>ELECTRIC TRANS. &amp; DIST. PROJECT TOTAL:</b>		<b>6,987,083</b>	<b>11,055,000</b>	<b>18,042,083</b>
<b>DEPARTMENT 2220 - POWER PRODUCTION</b>				
61	Hidalgo Capital Improvements	300,000	500,000	800,000
67	HRSB Duct Burner System Improvement Project	130,000	-	130,000
68	Silas Ray Fuel Gas System Improvement Project	689,000	-	689,000
70	Unit 6 Improvement Project - New Steam Turbine Generator - Purchase and Installation	-	6,553,480	6,553,480
<b>Total for Dept 2220</b>		<b>1,119,000</b>	<b>7,053,480</b>	<b>8,172,480</b>
<b>ELECTRIC GENERATION PROJECT TOTAL:</b>		<b>1,119,000</b>	<b>7,053,480</b>	<b>8,172,480</b>

continued

**CAPITAL BUDGET SUMMARY**  
**Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2022	FISCAL YEARS 2023-2025	FIVE-YEAR TOTAL
<b>GENERAL &amp; ADMINISTRATIVE PROJECTS</b>				
<b>DEPARTMENT 2210 - SCADA &amp; ELECTRICAL SUPPORT SERVICES</b>				
81	SCADA Yard Communication Tower - Phase 1	829,568	-	829,568
82	SCADA Yard Communication Tower - Phase 2 and 3	277,800	342,800	620,600
<b>Total for Dept 2210</b>		<b>1,107,368</b>	<b>342,800</b>	<b>1,450,168</b>
<b>ESTIMATED PROJECT TOTAL - GEN. &amp; ADMIN.</b>		<b>1,107,368</b>	<b>342,800</b>	<b>1,450,168</b>
<b>ESTIMATED OVERALL PROJECT TOTAL - ELECTRIC</b>		<b>\$ 9,213,451</b>	<b>\$ 18,451,280</b>	<b>\$ 27,664,731</b>
<b>WATER PROJECTS</b>				
<b>DEPARTMENT 3120 - WATER PLANT I</b>				
110	High Service Pump Station No. 2 - (Packet 4) Pump and Motor Replacement construction	260,000	-	260,000
115	High Service Pump No. 5 - Pump and Motor (construction)	102,766	-	102,766
116	Drain Valves for the Drying Lagoons	58,500	-	58,500
117	High Service Pump No. 3 Replacement	5,058	-	5,058
118	Chlorination Room Canopy and Hoist and Storage Capacity Improvements	373,805	-	373,805
119	Clarifiers drain sludge pump	32,500	-	32,500
120	Replace Influent Valves for 8 Filters	-	214,000	214,000
121	Pump Station 1 High Service Pump No. 6	-	1,211,600	1,211,600
122	Raw Water Pump Station No. 1, 2 and 3	-	156,474	156,474
123	Backup caustic soda bulk tank	-	150,000	150,000
124	Conversion of ammonia containers and feed equipment from gas to liquid	-	376,740	376,740
125	On-site generation of sodium hypochlorite	-	6,780,000	6,780,000
<b>Total for Dept 3120</b>		<b>832,629</b>	<b>8,888,814</b>	<b>9,721,443</b>
<b>DEPARTMENT 3130 - WATER PLANT II</b>				
132	Lighting on the Sedimentation Basin	75,633	-	75,633
133	Pump and Motor Replacement of Reservoir Raw Water Pump Number 1	196,500	-	196,500
134	High Service Station - Replacement and Upgrade (includes replacement of high service pump no. 4 pump and motor)	262,000	-	262,000
135	Pump and Motor Replacement of Reservoir Raw Water Pump Number 3	196,500	-	196,500
136	Coagulant bulk tank replacement	183,000	-	183,000
137	Replacement of Backwash Waste Pump No 1	131,000	-	131,000
138	Sodium chlorite bulk tank replacement	50,000	133,000	183,000
139	Ammonia conversion from gas to liquid	-	376,740	376,740
140	Resaca Raw Water Pumping Station	-	612,750	612,750

continued

**CAPITAL BUDGET SUMMARY**  
**Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2022	FISCAL YEARS 2023-2025	FIVE-YEAR TOTAL
141	Aeration Tanks Replacement	-	800,000	800,000
142	On-site generation of sodium hypochlorite	-	6,110,000	6,110,000
<b>Total for Dept 3130</b>		1,094,633	8,032,490	9,127,123
<b>DEPARTMENT 3140 - RAW WATER SUPPLY</b>				
143	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>				
145	Valve Replacement Project Phase 3 - construction	412,983	-	412,983
146	Water New Connections and New Subdivisions	763,991	2,600,000	3,363,991
147	Water Meter Vault Replacement Project	63,078	-	63,078
<b>Total for Dept 3150</b>		1,240,052	2,600,000	3,840,052
<b>DEPARTMENT 3155 - W/WW OPERATIONS &amp; MAINTENANCE</b>				
148	Hydrant Replacement Project	-	500,000	500,000
149	Valve Replacement Project	-	300,000	300,000
150	Leak Detection Project	-	100,000	100,000
<b>Total for Dept 3155</b>		-	900,000	900,000
<b>DEPARTMENT 3310 - WATER &amp; WASTEWATER ENGINEERING</b>				
161	Avenida de la Plata, Elsa Street, Marvis Street and San Pedro Lane Water Utility Improvements - construction	737,750	-	737,750
163	Calvin Street Water Utility Improvements - construction	283,140	-	283,140
165	E 15th Street Utility Improvements - construction	64,500	-	64,500
168	Water Main Replacements related to City Street Paving and Drainage Improvement Projects	419,567	-	419,567
174	City Streets Contract - Portway Place Subdivision	175,450	-	175,450
175	Rio Vista, Elston Dr, Avenue A Waterline Improvement	212,800	-	212,800
176	Rotary Park Raw Waterline Upgrade	231,843	496,037	727,880
177	Southmost Blvd Waterline Upgrades (International Blvd to 30th St)	120,000	1,845,000	1,965,000
187	36-inch Diameter Raw Water Line Replacement at Rotary Park - engineering	29,668	-	29,668
188	Martinal Area Water System Loop off of Old Port Isabel Road and FM 802 - engineering	22,809	-	22,809
189	2020 CIP Contract No. 4 - engineering and construction	571,934	-	571,934
190	Emergency by-pass pumps for Water Plant I and II	30,619	-	30,619
191	Portway Place Subdivision Water Utility Improvements	21,004	-	21,004
192	COB Contract No. 3 at Jose Marti Blvd, Calle Buenos Aires, Calle Costa Rica and Calle Nortena Water Utility Improvements	579,989	-	579,989

continued

**CAPITAL BUDGET SUMMARY**  
**Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2022	FISCAL YEARS 2023-2025	FIVE-YEAR TOTAL
193	New Raw Water River Intake Facility	600,000	-	600,000
194	30th Street Elevated Storage Tank Water Line	500,000	-	500,000
195	18-inch Waterline along Old Hwy 77 and FM 511 to Old Alice Rd	202,000	1,343,730	1,545,730
196	16-inch Waterline at Summer Hill Subdivision	-	894,000	894,000
197	12-inch Waterline West of Hwy 77	-	1,345,000	1,345,000
198	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>4,803,073</b>	<b>7,773,767</b>	<b>12,576,840</b>
<b>WATER PROJECT TOTAL:</b>		<b>\$ 7,970,387</b>	<b>\$ 28,297,821</b>	<b>\$ 36,268,208</b>
<b>ESTIMATED OVERALL TOTAL - WATER</b>		<b>\$ 7,970,387</b>	<b>\$ 28,297,821</b>	<b>\$ 36,268,208</b>
<b>WASTEWATER PROJECTS</b>				
<b>DEPARTMENT 2210 - SCADA &amp; ELECTRICAL SUPPORT SERVICES</b>				
202	24V Remote Control Panel for Lift Station No. 3, 9, 16, 21, 30, 34, 59, 62, 80, 82, 87, 88, 92, 99, 102, 112, 182 and 184	89,188	-	89,188
203	Lift Station Electrical Safety Upgrades	360,000	312,000	672,000
204	Lift Station Electrical Upgrades - 10 lift stations	180,000	180,000	360,000
205	W/WW SCADA Lift Station Integration - 5 lift stations	-	348,000	348,000
<b>Total for Dept 2210</b>		<b>629,188</b>	<b>840,000</b>	<b>1,469,188</b>
<b>DEPARTMENT 3150 - W/WW OPERATIONS &amp; CONSTRUCTION</b>				
206	Wastewater New Connections and New Subdivisions	828,526	1,800,000	2,628,526
207	2110 Central Avenue Wastewater Line Extension	2,042	-	2,042
<b>Total for Dept 3150</b>		<b>830,568</b>	<b>1,800,000</b>	<b>2,630,568</b>
<b>DEPARTMENT 3210 - SOUTH WASTEWATER TREATMENT PLANT</b>				
216	Belt Filter Press and Solids Handling Improvements - construction	-	2,202,520	2,202,520
221	Chlorine Contact Chamber Sluice Gate Replacement Project - engineering and construction	52,189	385,468	437,657
222	Non-Potable Water System Upgrade (Packet 4) - engineering and construction	6,868	327,268	334,136
223	Effluent River Pump and Motor No. 3	16,296	-	16,296
224	Plant Drain Pumps No. 1, 2 and 3	67,023	-	67,023
225	Digester Tanks 1 and 2 Structural Rehabilitation	100,000	312,050	412,050
226	Return Activated Sludge and Waste Activated Sludge (RAS-WAS) Pump Station Improvements	-	440,093	440,093
<b>Total for Dept 3210</b>		<b>242,376</b>	<b>3,667,399</b>	<b>3,909,775</b>

continued

**CAPITAL BUDGET SUMMARY**  
**Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2022	FISCAL YEARS 2023-2025	FIVE-YEAR TOTAL
<b>DEPARTMENT 3220 - ROBINDALE WASTEWATER TREATMENT PLANT</b>				
228	Turbo Blower Upgrades - construction	2,180,313	2,108,685	4,288,998
230	Non-Potable Water System Upgrade (Packet 4) - construction	-	246,864	246,864
231	Four Torque Valve Actuators for The Train Inlet Isolation Valves - engineering and construction	22,951	666,066	689,017
232	Rehabilitation of Vacuum Truck Unloading Station	42,973	470,700	513,673
233	Blowers for Aerobic Digesters (2 each) - Blower No. 5 and 8	187,855	-	187,855
234	Blowers for Aerobic Digesters (2 each) - Blower No. 6 and 7	-	187,855	187,855
235	Belt Filter Press and Solids Handling Expansion	-	3,217,960	3,217,960
236	Rehabilitation of Two Gravity Thickeners	-	2,272,980	2,272,980
<b>Total for Dept 3220</b>		<b>2,434,092</b>	<b>9,171,110</b>	<b>11,605,202</b>
<b>DEPARTMENT 3230 - WASTEWATER LIFT STATIONS</b>				
238	Lift Station No. 9 Pump Rehabilitation - engineering (Packet No. 1) and construction	2,031,400	-	2,031,400
239	Lift Station No. 10 Rehabilitation - engineering (Packet 2) and construction	631,922	-	631,922
240	Lift Station No. 11 Rehabilitation - engineering (Packet 2) and construction	531,922	-	531,922
241	Lift Station No. 12 Rehabilitation	-	800,000	800,000
242	Lift Station No. 13 Reconstruction	-	700,000	700,000
243	Lift Station No. 15 Rehabilitation - engineering (Packet 2) and construction	1,961,883	-	1,961,883
244	Lift Station No. 17 Rehabilitation - engineering (Packet No. 1) and construction	8,274	650,000	658,274
245	Lift Station No. 28 Rehabilitation - engineering (Packet 1) and construction	31,922	400,000	431,922
246	Lift Station No. 41 Rehabilitation	498,000	-	498,000
247	Lift Station No. 43 Rehabilitation - engineering (Packet 1) and construction	429,808	-	429,808
248	Lift Station No. 44 Rehabilitation - engineering and construction	622,912	-	622,912
249	Lift Station No. 47 Rehabilitation - engineering (Packet 2) and construction	42,912	450,000	492,912
250	Lift Station No. 51 Rehabilitation - engineering (Packet 2) and construction	291,286	-	291,286
251	Lift Station No. 53 Rehabilitation	-	695,000	695,000
252	Lift Station No. 58 Rehabilitation - engineering (Packet 1) and construction	31,922	400,000	431,922

continued

**CAPITAL BUDGET SUMMARY**  
**Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2022	FISCAL YEARS 2023-2025	FIVE-YEAR TOTAL
253	Lift Station No. 63 Force Main	-	1,600,000	1,600,000
254	Lift Station No. 63 Rehabilitation - engineering (Packet 2) and construction	1,768,421	-	1,768,421
255	Lift Station No. 65A Pump Replacement	62,000	-	62,000
256	Lift Station No. 65 B Pump Replacement	64,000	-	64,000
257	Lift Station No. 67 Rehabilitation - engineering (Packet 2) and construction	386,601	-	386,601
258	Lift Station No. 68 Rehabilitation - engineering and construction	6,939	675,000	681,939
259	Lift Station No. 69 Rehabilitation - engineering and construction	18,347	675,000	693,347
260	Lift Station No. 72 Rehabilitation - engineering (Packet 1) and construction	27,872	745,000	772,872
261	Lift Station No. 77 Rehabilitation	-	695,000	695,000
262	Lift Station No. 80 Rehabilitation - engineering (Packet 2) and construction	35,054	260,000	295,054
263	Lift Station No. 82 Rehabilitation	-	695,000	695,000
264	Lift Station No. 85 Rehabilitation	-	695,000	695,000
265	Lift Station No. 89 Rehabilitation - engineering (Packet 2) and construction	31,922	400,000	431,922
266	Lift Station No. 95 Rehabilitation - engineering (Packet 1) and construction	31,922	545,000	576,922
267	Lift Station No. 96 Rehabilitation - engineering (Packet 1) and construction	31,922	325,000	356,922
268	Lift Station No. 99 Rehabilitation - engineering (Packet 1) and construction	31,922	400,000	431,922
269	Lift Station No. 101 Rehabilitation - engineering (Packet 2) and construction	41,174	300,000	341,174
270	Lift Station No. 102 Rehabilitation	-	500,000	500,000
271	Lift Station No. 103 Decommission and Wastewater Line Installation	-	500,000	500,000
272	Lift Station No. 105 Rehabilitation - engineering (Packet 2) and construction	335,837	-	335,837
273	Lift Station No. 106 Rehabilitation - engineering (Packet 2) and construction	1,138,101	-	1,138,101
274	Lift Station No. 113 Rehabilitation	-	300,000	300,000
275	Lift Station No. 140 Rehabilitation - engineering (Packet 1) and construction	580,081	-	580,081
276	Lift Station No. 159 MCC Building Replacement	-	750,000	750,000
277	South to North Wastewater Reroutes - Lift Station No. 4 Force Main	-	1,365,000	1,365,000
278	South to North Wastewater Reroutes - Lift Station No. 20, 22, and 27 Valve Reconfigurations	312,000	-	312,000
<b>Total for Dept 3230</b>		<b>12,018,278</b>	<b>15,520,000</b>	<b>27,538,278</b>

continued

**CAPITAL BUDGET SUMMARY**  
**Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2022	FISCAL YEARS 2023-2025	FIVE-YEAR TOTAL
<b>DEPARTMENT 3310 - WATER &amp; WASTEWATER ENGINEERING</b>				
290	Avenida de la Plata, Elsa Street, Marvis Street and San Pedro Lane Wastewater Utility Improvements	982,000	-	982,000
294	COB Contract No. 3 at Jose Marti Blvd, Calle Buenos Aires, Calle Costa Rica and Calle Nortena Wastewater Utility Improvements	280,760	-	280,760
299	Estimated miscellaneous carryover project amount	127,865	-	127,865
300	North Regional Lift Stations and Force Main System - Phase 2	-	2,450,000	2,450,000
301	Old Port Isabel Road 20" Force Main Rehabilitation Project	-	2,450,000	2,450,000
302	Lift Station No. 17, 72 and 95 Forcemain Re-Route	300,000	-	300,000
303	Lift Station No. 111 Odor Control Filter	153,575	357,885	511,460
304	Sanitary Sewer Siphon at Rentfro Blvd	-	807,000	807,000
<b>Total for Dept 3310</b>		<b>1,844,200</b>	<b>6,064,885</b>	<b>7,909,085</b>
<b>ESTIMATED OVERALL TOTAL - WASTEWATER</b>		<b>\$ 17,998,702</b>	<b>\$ 37,063,394</b>	<b>\$ 55,062,096</b>
<b>ESTIMATED PROJECT TOTAL</b>		<b>35,182,540</b>	<b>83,812,495</b>	<b>118,995,035</b>
<b>ESTIMATED CAPITAL EQUIPMENT TOTAL</b>		<b>-</b>	<b>-</b>	<b>-</b>
<b>COMMERCIAL PAPER FUNDING BUDGET - INTERNAL: \$ 35,182,540 \$ 83,812,495 \$ 118,995,035</b>				
<b>DEPARTMENT 4105 - OPERATIONS</b>				
307	Annex Administration Building - furniture, fixtures and other equipment	2,642,227	-	2,642,227
<b>Total for Dept 4105</b>		<b>2,642,227</b>	<b>-</b>	<b>2,642,227</b>
<b>COMMERCIAL PAPER FUNDING BUDGETS - FACILITIES \$ 2,642,227 \$ - \$ 2,642,227</b>				
<b>TOTAL</b>				
<b>TOTAL COMMERCIAL PAPER FUNDING BUDGETS: \$ 37,824,767 \$ 83,812,495 \$ 121,637,262</b>				

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**CAPITAL BUDGET SUMMARY**  
**Grants Proceeds Projects (Fund 200)**

PROJ. REF.	DESCRIPTION	FISCAL YEAR 2022	FISCAL YEARS 2023-2025	FIVE-YEAR TOTAL
<b>WATER PROJECTS</b>				
<b>DEPARTMENT 3310 - WATER &amp; WASTEWATER ENGINEERING</b>				
159	Installing first-time water service to residents of Torres Road	7,948	-	7,948
<b>Total for Dept 3310</b>		<b>7,948</b>	<b>-</b>	<b>7,948</b>
<b>ESTIMATED PROJECT TOTAL - WATER</b>		<b>\$ 7,948</b>	<b>\$ -</b>	<b>\$ 7,948</b>
<b>OVERALL TOTAL GRANTS BUDGET:</b>		<b>\$ 7,948</b>	<b>\$ -</b>	<b>\$ 7,948</b>

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**Summary Expenditure Report  
For All Carryover Projects – FY 2021  
Improvement Fund (Fund 400)**

	<b>FY 2021 BEGINNING BALANCE</b>	<b>FY 2021 ENDING BALANCE</b>	<b>DEFERRED BUDGET</b>	<b>APPROVED BUDGET TOTAL</b>
GENERAL & ADMINISTRATIVE	\$ 13,992,631	\$ 1,292,216	\$ 1,540,462	\$ 2,832,677
ELECTRIC (less Tenaska)	13,750,601	5,881,656	8,739,088	14,620,745
WATER (less grant-funded project)	1,166,307	786,592	7,784,177	8,570,769
WASTEWATER (less grant-funded projects)	7,743,553	5,095,763	1,558,387	6,654,150
WATER & WASTEWATER	394,790	127,393	101,782	229,175
CARRYOVER WORK ORDER BUDGET TOTAL	\$ 37,047,883	\$ 13,183,620	\$ 19,723,896	\$ 32,907,516
VALLEY CROSSING PIPELINE INTERCONNECT (EG1031)	-	-	-	-
GAS TRANSMISSION LINE (EG3849)	-	-	-	-
CROSS VALLEY NATURAL GAS PIPELINE (EG3926)	260,174	164,638	16,239	180,877
CARRYOVER TENASKA PROJECTS TOTAL - LOCAL CONTRIBUTIONS	\$ 260,174	\$ 164,638	\$ 16,239	\$ 180,877
WATER (CDAM)	-	-	-	-
WASTEWATER (SC9265-6, SC9272)	9,605	964	126,010	126,974
CARRYOVER GRANT PROJECTS TOTAL - LOCAL CONTRIBUTIONS	\$ 9,605	\$ 964	\$ 126,010	\$ 126,974
CARRYOVER CAPITAL PROJECT BUDGET TOTAL:			\$	33,215,367
CARRYOVER CAPITAL EQUIPMENT BUDGET TOTAL:				3,061,682
APPROVED IMPROVEMENT FUND - CARRYOVER CIP FUNDING TOTAL:			\$	36,277,049
APPROVED FY 2022 CAPITAL EQUIPMENT BUDGET TOTAL:				3,971,997
APPROVED FISCAL YEAR 2022 IMPROVEMENT FUNDING:				3,417,392
APPROVED FISCAL YEAR 2022 IMPROVEMENT FUND - SURPLUS FUNDING:				6,535,271
APPROVED IMPROVEMENT FUND - CIP FUNDING TOTAL:			\$	50,201,709

**Capital Project Listing – FY 2021**  
**For All Carryover General & Administrative Utility Projects**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
10/14/16	80575	GA1016	ADMINISTRATION BUILDING REMODELING - DESIGN	122,584	122,584	-
10/18/17	100735	GA1076	FLEET MANAGEMENT INFORMATION SYSTEM	-	-	-
11/02/17	101752	GA1083	FUEL TANK REPLACEMENT PROJECT	-	-	-
12/15/17	104275	GA1090	ASSET MANAGEMENT STRATEGIC PLAN ANALYSIS	150,000	150,000	-
03/07/19	130776	GA1197	RESTROOM RENOVATION PROJECT AT THE ADMINISTRATION BUILDING	291,443	4,212	-
03/13/19	131144	GA1203	ENTERPRISE CONTENT AND RECORDS MANAGEMENT SYSTEM (ECRMS) - PILOT PROGRAM	53,738	-	223,607
03/06/19	130723	GA1208	PURE STORAGE EXPANSION	13,058	3,446	9,612
06/03/19	135806	GA1220	DELL FX CHASSIS AND STORAGE POWER PLANT	80,000	-	34,222
06/03/19	135807	GA1221	OFFSITE HARDWARE - DRIVE EXPANSION	-	-	100,000
03/17/21	166349 amended	GA1222	IT ROOM GENERATOR AT POWER PLANT; BACKUP POWER	81,757	47,976	33,781
08/13/19	140145	GA1224	CAYENTA UPGRADE FROM VERSION 7.722 TO VERSION 9.0.0	70,276	4,964	27,704
09/17/19	142094	GA1229	COGNOS SOFTWARE	7,220	7,220	-
02/16/21	172900	GA1287	BILL PRINT - IMPLEMENTATION AND LICENSE FOR PLANET PRESS SOFTWARE	34,775	6,419	-
02/25/21	173519	GA1288	TRAFFIC SIGNAL PROJECT AT FM 511 AND OLD ALICE RD	384,484	218,781	86,808
03/29/21	175574	GA1292	CYBERSECURITY APPLIANCES FOR ANNEX BLDG ENTERPRISE PALO ALTO FIREWALL EQUIPMENT	140,000	23,949	-
05/14/21	178215	GA1299	INFORMATION TECHNOLOGY FOR THE ANNEX BUILDING; STORAGE AREA NETWORK	120,000	-	123,000
05/14/21	178221	GA1300	APC / UPS - DATACENTER HARDWARE REPLACEMENT	50,000	26,901	23,099
03/25/14	45931	GA3901	MOBILE TIME ENTRY FOR THE MOBILE WORK FORCE	28,781	28,781	-
08/07/14	50320	GA3920	SECURITY CAMERAS FOR ADMINISTRATION BUILDING MAIN LOBBY, CUSTOMER SERVICES LOBBY, DRIVE UP LANES AND IMMEDIATE SURROUNDING AREAS	-	-	-
07/30/20	80540 amended	GA3965	ADMINISTRATION BUILDING ANNEX - DESIGN/ENGINEERING SERVICES - CONSTRUCTION SERVICES	462,843 11,901,672	171,559 475,423	41,025 682,604
N/A	N/A	N/A	FUELMaster AIM UPGRADES	-	-	-
N/A	N/A	N/A	DELL FX CHASSIS AND STORAGE - ADMINISTRATION BUILDING	-	-	80,000
N/A	N/A	N/A	FM 511 TOWER	-	-	75,000
CARRYOVER GENERAL & ADMINISTRATIVE PROJECT TOTAL				\$ 13,992,631	\$ 1,292,216	\$ 1,540,462

continued

**Capital Project Listing – FY 2021**  
**For All Carryover Electric Utility Projects**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED 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	-
01/27/20	149461	FD2176	2700 R.L. OSTOS RD	2,121	2,121	-
04/15/19	133063	FD2182	20000 STATE HIGHWAY 48 - AMFELS CONVERSION FROM HPS AND MH LIGHTS TO LED EQUIVALENT	8,477	8,477	-
05/05/20	154972	FD2197	2200 LAREDO RD	1,679	1,679	-
10/05/20	164543	FD2199	6 FRUITDALE TERRACE	674	674	-
10/08/20	164948	FD2200	915 SAN PEDRO LN	545	70	-
10/08/20	164949	FD2201	1024 E LOS EBANOS BLVD	1,767	111	-
11/23/20	167729	FD2205	3150 N INDIANA	2,125	-	306
11/30/20	168082	FD2206	1255 FM 511 - SRWA SRWA'S INNER PERIMETER	18,328	-	-
12/24/20	169654	FD2208	5 W CERNAN CT	520	123	-
03/03/21	173945	FD2215	2884 SANDIA ST	674	674	-
02/12/21	172805	FD2216	3497 BURTON DR	1,108	34	1,074
04/28/21	177227	FD2217	1900 COFFEE RD BROWNSVILLE SUN COLONY APARTMENTS	7,258	421	6,837
03/12/21	174650	FD2218	3185 SOUTHMOST BLVD	1,108	37	1,071
04/27/21	177163	FD2219	224 S IOWA AVE	1,108	417	691
05/17/21	178311	FD2220	25 SOUTHERN ST	580	278	-
05/26/21	178982	FD2221	75 RINGGOLD ST	530	530	-
05/08/20	155260	FD2222	1763 MILITARY HWY	1,882	1,882	-
07/01/21	180963	FD2223	2223 CENTRAL BLVD	1,692	242	-
07/13/21	181569	FD2224	2845 IMPALA DR	690	390	-
07/13/21	181508	FD2225	3470 BURTON DR	2,352	-	-
01/11/21	170605	FD2226	24 ELM ST - BROWNSVILLE HOUSING AUTHORITY INTERSECTION OF OAK ST AND ASH ST AND INTERSECTION OF ASH ST AND ELM ST	13,342	-	-

continued

**Capital Project Listing – FY 2021**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
08/20/21	183683	FD2227	300 PAREDES AVENUE	1,067	192	-
09/13/21	184824	FD2228	101 SAINT JOSEPH DR SAINT JOSEPH ACADEMY	1,739	208	-
09/15/21	184917	FD2229	3665 OLD HIGHWAY 77 NEW LIFE CENTER CHURCH	4,032	-	-
N/A	N/A	N/A	SECURITY LIGHT INSTALLATION CARRYOVER FUNDING	-	-	80,798
CARRYOVER SECURITY LIGHT PROJECT TOTAL				\$ 192,168	\$ 135,333	\$ 90,776
08/01/17	96449	EA1064	SCADA REMOTE TERMINAL UNIT SYSTEM UPGRADE/REPLACEMENTS FOR ALL SUBSTATIONS	430,046	270,348	152,843
05/25/17	92902	EA1075	LOMA ALTA SUBSTATION - MARTINAL WATER	94,774	89,720	2,380
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	17,716	17,716	-
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	5,718	5,718	-
03/24/20	152860	EA1253	BOCA CHICA FIBER INSTALLATION - PHASE 3 BETWEEN PADRE ISLAND HWY AND FM 511	87,500	87,500	-
03/23/20	152753	EA1267	FIBER OPTIC FROM SOUTHMOST LIBRARY TO NEW AIRPORT TERMINAL AT 700 AMELIA EARHART DR	21,997	8,903	5,521
06/03/21	176640 amended	EA1295	SUBSTATIONS CONTROL BUILDINGS ROOF REPLACEMENTS AT 6TH STREET, TITAN AND LOMA ALTA	72,462	59,600	12,860
09/21/21	185261	EA1307	FIBER OPTIC LINE EXTENSION TO SPACEX PHASE 1 - OFF OF S CENTRAL AVE ALONG MORNINGSIDE RD TO 1900 BILLY MITCHELL BLVD PHASE 2 - FROM BILLY MITCHEL BLVD, S IOWA AVE AND LES MAULDIN RD TO 2100 LES MAULDIN RD	33,198	-	-
02/14/18	108063	EA3966	FM 511 SERVICE CENTER YARD CENTER FIBER OPTIC DESIGN AND INSTALLATION	84,822	84,813	9
N/A	N/A	N/A	SUBSTATION AND CONTROL CENTERS VIDEO CAMERA UPGRADE	-	-	350,000
CARRYOVER ADMINISTRATION CONSTRUCTION PROJECT TOTAL:				\$ 848,234	\$ 624,318	\$ 523,613
08/18/20	161317	CITY	2600 CENTRAL BLVD	15,254	4,213	-
N/A	N/A	ED1000	ELECTRIC SYSTEM CONSTRUCTION CONTRACT - ELECTRIC DISTRIBUTION	15,087	(0)	-

continued

**Capital Project Listing – FY 2021**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
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	19,524	24,241
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	-
10/12/17	100335	ED1089	PALM GARDENS SUBDIVISION UNDERGROUND CONDUIT REPLACEMENT	-	-	-
02/22/18	108545	ED1123	915 S CENTRAL AVENUE NEW FEEDER TO TRICO	254,929	84,054	51,084
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	133,196	11,133
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	-
08/29/17	97908	ED1193	700 AMELIA EARHART DR OVERHEAD TO UNDERGROUND CONVERSION AT NEW AIRPORT TERMINAL	-	-	-
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	39,704	39,704	-
03/27/19	131947	ED1205	PORT OF BROWNSVILLE CROSS ARMS REPLACEMENT ALONG RL OSTOS & CAPT DONALD FOUST RD	4,528	4,528	66,190
03/28/19	132031	ED1206	4255 OLD HIGHWAY 77	541	541	-
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	-

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**Capital Project Listing – FY 2021**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
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	-	-	-
09/19/18	120533	ED1228	PORT CONNECTION PROJECT - OVERHEAD TO UNDERGROUND CONVERSION OFF OF R.L. OSTOS ROAD	42,389	38,583	-
10/21/19	144095	ED1235	1 DEAN PORTER PARK	-	-	-
10/25/19	144454	ED1237	3330 E 14TH STREET	-	-	-
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	-	-	-
01/04/21	139878 amended	ED1250	AIRPORT OH TO UG CONVERSION - PHASE III ALONG LES MAULDIN RD FROM S IOWA RD TO AMELIA EARHART DR	566,183	-	78,599
01/17/20	149015	ED1256	20000 STATE HIGHWAY 48 PRIMARY METER FOR AMFELS	-	-	-
03/13/20	152239	ED1259	BILLY MITCHELL BLVD STREET LIGHTS UPGRADE	409,542	385,345	264,655
05/20/20	155768	ED1263	RECLOSERS ON PAREDES LINE ROAD AND HUDSON BLVD OFF OF FM 802	61,247	50,250	-
07/07/20	158631	ED1266	DISTRIBUTION MANAGEMENT SYSTEM IMPLEMENTATION; INSTALL CAPACITOR BANKS AND RECLOSERS FROM FEEDERS OFF OF THE 6TH STREET SUBSTATION THROUGH FEEDERS OFF OF THE PRICE ROAD SUBSTATION	265,437	57,889	231
07/23/20	159621	ED1269	PALO ALTO SUBSTATION POWER TRANSFORMER AT 6608 OLD ALICE RD	411,843	-	156,586
07/23/20	159632	ED1270	POWER TRANSFORMER SPARE FOR USE AT SUBSTATION	417,343	-	162,216
10/07/20	164854	ED1275	THREE EACH 145KV CIRCUIT BREAKERS REPLACEMENTS FOR THE POWER PLANT SUBSTATION	183,639	117,744	36,278
01/12/21	170695	ED1281	1995 BILLY MITCHELL BLVD KNIFE SWITCH DISCONNECTS AT TRICO FACILITY	1,907	700	-
09/24/19	142515	ED1294	2 EACH AUTOMATIC TRANSFER SWITCH TO INSTALL AT FILTER PLANT SUBSTATION	252,916	103,381	122,281
05/20/20	155836	ED1304	PASEO DE LA RESACA TRAILS HPS TO LED LIGHT CONVERSION	13,035	-	-

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**Capital Project Listing – FY 2021**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
08/18/21	183562	ED1305	GANG SWITCH REPLACEMENT ON RUBEN M TORRES BLVD OFF OF PAREDES LINE RD, COFFEE RD OFF OF OLD PORT ISABEL RD, AND BOCA CHICA BLVD NEAR TEXAS AVENUE	30,041	-	-
07/15/21	181733	ED1306	6290 SOUTHMOST BLVD AIKEN ELEMENTARY SCHOOL	1,748	-	-
10/03/12	33343	ED3839	RESTORATION OF POLES AT THE FOLLOWING COB PARKS: BROWNSVILLE EVENTS CENTER, BROWNSVILLE TENNIS CENTER, NORTH PARK, BROWNSVILLE GOLF CENTER, ST CHARLES PARK & HOPE PARK	32,971	32,971	-
02/24/15	34374 amended	ED3841	RIVER PUMPS 1 & 2 MOTOR CONTROLS REPLACEMENT AT 127 POWER PLANT DR; INCLUDES MEDIUM VOLTAGE SWITCHGEAR	103,247	103,247	-
07/01/14	49093	ED3914	GUARD SHACK FIBER OPTIC EXTENSION AT POWER PLANT AND OFF OF ROBERTO VARGAS DR	3,412	3,412	-
04/28/14	47025	ED3931	NEW FEEDER FROM FM 802 SUBSTATION OFF OF S SAN MARCELO AND RUBEN M TORRES BLVD	133,745	133,745	-
07/09/14	49323	ED3932	FM 3248 & NORTH FRONTAGE RD (TXDOT)	-	-	-
06/27/19	137370	ED3965	ALTERNATE SERVICE FEEDER FOR ANNEX	168,340	-	182,496
03/08/18	109416	ED3966	FM 511 SERVICE CENTER YARD CENTER ELECTRIC UNDERGROUND DESIGN AND INSTALLATION	22,815	22,815	-
07/12/18	116405	ED3966	TEMPORARY SERVICE FOR NEW SERVICE CENTER ON OLD ALICE RD AND FM 511			
05/07/20	155157	FD3965	1425 ROBINHOOD DR TEMPORARY SERVICE TO ANNEX	7,974	7,974	-
N/A	N/A	NULL	1 EACH AUTOMATIC TRANSFER SWITCH FOR THE ANNEX BLDG & SSWTP AND 2 EA SPARES	-	-	-
07/27/21	N/A	NULL	2 EACH RECONDITIONED 1000 KVA PADMOUNT TRANSFORMER	36,000	-	-
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	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 DISTRIBUTION CONSTRUCTION PROJECT TOTAL:				\$ 4,072,505	\$ 1,726,265	\$ 1,488,857

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**Capital Project Listing – FY 2021**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
01/23/17	86555	EG1031	VALLEY CROSSING PIPELINE INTERCONNECT	-	-	-
07/22/21	96620 amended	EG1068	UNIT 10 COOLING TOWER REPLACEMENT	17,140	8,305	722,956
09/27/19	112753 amended	EG1171	DISTRIBUTED GENERATORS AT SRWA WATER WELLS SITE ON FM 1421	202,104	198,374	-
N/A	N/A	EG3158	HIDALGO POWER PLANT IMPROVEMENTS	924,841	737,565	1,738
07/31/20	160185	EG1277	UNIT 9 FUEL GAS COMPRESSOR CONTROLS UPGRADE PROJECT	417,879	7,729	25,874
07/21/20	159385	EG1291	UNIT 6 IMPROVEMENTS, HRSG ECONOMIZER PANEL REPLACEMENT AND GENERATOR GAS ANALYZER REPLACEMENT	473,600	18,856	1,861,831
02/04/21	172203	EG1297	DISTRIBUTED GENERATORS AT SRWA FOR WATER WELLS NO. 1, 11 AND 13	130,987	-	-
03/16/15	35342 amended	EG3849	GAS TRANSMISSION LINE TO TENASKA BROWNSVILLE GENERATING STATION	-	-	-
09/26/14	44869	EG3926	CROSS VALLEY NATURAL GAS PIPELINE	260,174	164,638	16,239
CARRYOVER GENERATION CONSTRUCTION PROJECT TOTAL:				\$ 2,426,725	\$ 1,135,467	\$ 2,628,638
02/19/20	77785 amended	ET1058	POWER PLANT 138 KV DISTRIBUTION SUBSTATION CONVERSION FROM 69 KV	602,688	101,181	-
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	27,826	3,745	60,695
08/13/20	115662 amended	ET1240	AIRPORT SUBSTATION 69KV TO 138 KV CONVERSION AT 915 S CENTRAL AVENUE	1,590,287	1,026,971	3,185,429
12/06/19	146800	ET1242	PURCHASE AND INSTALLATION OF A 69KV CIRCUIT BREAKER FOR UNION CARBIDE SUBSTATION	-	-	9,668
05/04/20	154926	ET1264	1425 ROBINHOOD DR ANNEX BUILDING TRANSMISSION GUY	12,402	12,402	-
06/24/20	158010	ET1265	DISCONNECT SWITCHES REPLACEMENT AT THE RIO GRANDE SUBSTATION	58,593	-	3,152
04/19/21	176637	ET1296	BATTERY BANK REPLACEMENTS AT THE TITAN AND POWER PLANT SUBSTATIONS	66,190	66,190	-
09/14/21	180936 amended	ET1302	2635 E PRICE RD - POTENTIAL TRANSFORMER REPLACEMENTS FOR PRICE RD SUBSTATION	65,565	23,996	-
CARRYOVER TRANSMISSION CONSTRUCTION PROJECT TOTAL:				\$ 2,733,797	\$ 1,544,729	\$ 3,258,944
CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ 10,081,261	\$ 5,030,780	\$ 7,900,052

continued



**Capital Project Listing – FY 2021**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
N/A	N/A	ED9001	NEW CONNECTIONS - ELECTRIC	129,406	-	389,548
03/27/12	31421	FD4186	ITECC WIND PROJECT	918	918	-
03/25/14	45897	FD4326	5101 ALTON GLOOR BLVD PLAZA VISTA	937	937	-
08/11/15	63803	FD4420	1655 E RUBEN M TORRES BLVD	-	-	-
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	-
04/29/16	72396 amended	FD4466	1910 ANEI CIRCLE	-	-	-
09/26/16	78346 amended	FD4491	1910 ANEI CIRCLE	-	-	-
06/14/16	75206	FD4494	747 SPRINGMART BLVD	-	-	-
11/09/16	82280	FD4496	2400 BOCA CHICA BLVD	1,266	1,266	-
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	-
05/31/17	93117	FD4583	UNIVERSITY BLVD UNDERGROUND 3-PH PRIMARY	215,295	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
02/12/18	107886	FD4616	835 N EXPRESSWAY	-	-	-
09/04/18	119612	FD4619	4375 PAREDES LINE ROAD HUNTINGTON APARTMENTS	4,786	4,786	-
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	1,218	1,218	-
06/21/19	136872	FD4670	33 BOCA CHICA BLVD	1,807	1,807	-
08/12/19	140089	FD4675	1759 E PRICE RD	-	-	-

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**Capital Project Listing – FY 2021**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
08/21/19	140645	FD4685	940 W RUBEN M TORRES BLVD NEW PLAZA	22,777	-	-
06/25/19	137152	FD4688	3215 W ALTON GLOOR BLVD - TEMPORARY CONNECTION FOR LA PERLA LUXURY APARTMENTS	857	857	-
07/24/19	138953	FD4690	3310 EXPRESSWAY 77 SOUTH FRONTAGE RD BORDER PATROL	9,940	9,940	-
11/26/18	124732	FD4691	3215 W ALTON GLOOR BLVD BARGE APARTMENTS	809	809	-
12/30/19	148063	FD4700	544 BILLY MITCHELL BLVD	222	222	-
12/27/19	148025	FD4701	20 SAM PERL BLVD O'REILLY AUTO PARTS	-	-	-
11/25/19	146141	FD4702	2000 MINERAL LOOP BROWNSVILLE GULFSIDE WAREHOUSE	-	-	-
12/18/19	147661	FD4703	2648 ALTON GLOOR BLVD	3,917	3,917	-
11/05/19	145173	FD4705	10951 OLD STATE HIGHWAY 48	-	-	-
01/17/20	149039	FD4711	3755 E 14TH STREET	3,004	3,004	-
02/21/20	151110	FD4712	1230 MORNINGSIDE RD	1,293	1,293	-
04/13/20	153653	FD4714	3025 E RUBEN TORRES BLVD SEVILLE PLAZA	1,244	1,244	-
04/21/20	154110	FD4715	3514 CALLE NORTENA - SMALL CELL NODE	-	-	-
11/19/19	145812	FD4717	650 RUBEN M TORRES BLVD SMALL CELL ANTENNA SITE	-	-	-
04/22/20	154230	FD4719	871 OLD ALICE RD TROPICAL TEXAS BEHAVIORAL HEALTH	19,695	-	-
06/03/20	156750	FD4720	1250 ACACIA LAKE DR	1,391	1,391	-
06/04/20	156786	FD4721	2370 EXPRESSWAY 77 N FRONTAGE RD SEARS RENOVATION	27,966	-	-
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	1,345	-
06/18/20	157720	FD4725	20035 STATE HWY 48	4,202	4,202	-
02/25/20	151251	FD4726	10925 OLD STATE HWY 48	9,030	-	-
07/25/20	158841	FD4727	TRANSFORMER TO ANNEX BUILDING AT 1425 ROBINHOOD DR	34,472	-	-
07/17/20	159178	FD4728	7750 PADRE ISLAND HWY SUITE C (EAST SIDE)	-	-	-

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**Capital Project Listing – FY 2021**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
06/09/20	157175	FD4729	950 W RUBEN TORRES BLVD - TEMP SVC	166	166	-
07/06/20	158583	FD4730	951 W RUBEN TORRES BLVD - URD SVC	-	-	-
08/05/20	160540	FD4731	4386 WACO RD	6,539	1,280	-
08/14/20	161077	FD4732	54 E PRICE RD	8,940	-	-
07/08/20	158652	FD4734	2933 OLD SPANISH TRAIL	1,536	-	-
08/25/20	161785	FD4735	7045 N EXPRESSWAY 77 OLMITO PLAZA, BUILDING B	-	-	-
08/13/21	157377 amended	FD4736	832 RIDGEWOOD ST RIDGEWOOD CLINIC	10,780	1,892	4,914
09/30/20	164316	FD4737	20000 STATE HIGHWAY 48 KEPPEL AMFELS	3,961	618	-
11/12/20	167050	FD4738	1646 WESTMINSTER RD	1,347	-	-
01/21/20	149126	FD4741	9735 OLD STATE HIGHWAY 48	9,310	-	-
11/18/20	167434	FD4742	2100 E PRICE RD	17,644	-	-
10/09/20	164997	FD4743	4105 BILL REED RD RM WALSDORF, INC.	6,796	-	-
12/21/20	169419	FD4744	25 PASEO PLAZA	2,916	2,916	-
10/23/20	166065	FD4746	1930 ANEI CIRCLE	14,576	-	14,576
01/11/21	170679	FD4747	6920 OLD ALICE RD	1,322	-	-
01/26/21	171545	FD4748	8 PALMETTO CIRCLE	961	-	-
12/22/20	169489	FD4749	1904 CENTRAL BLVD TEMPORARY SERVICE - BROWNSVILLE LOFTS	5,978	-	733
01/20/21	171202	FD4750	2717 CAROLINA ST	1,618	492	-
10/22/20	165973	FD4751	645 SUNSHINE RD	5,212	-	-
02/01/21	171956	FD4752	3497 BURTON DR	1,799	-	-
09/04/20	162518	FD4753	950 W RUBEN TORRES BLVD LA CANTERA APTS	24,139	-	15,544
12/15/20	169102	FD4754	447 E ALTON GLOOR BLVD THE HUMAN BEAN COFFEE SHOP	25,197	7,970	-
03/05/21	174123	FD4755	1115 S CENTRAL AVENUE	1,485	-	-
03/03/21	173937	FD4756	4661 CENTRAL CIR	867	78	-
04/06/21	175826	FD4757	4920 EXPRESSWAY 77 NORTH FRONTAGE RD	515	244	-

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**Capital Project Listing – FY 2021**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
02/04/21	172197	FD4758	400 R.L. OSTOS RD GULFSIDE WAREHOUSE NO. 8	-	-	6,358
10/26/20	166144	FD4759	10951 OLD STATE HWY 48 BLUEWING PHASE 3	73,750	9,302	200
04/08/21	175902	FD4760	84 N IOWA AVE	1,032	1,032	-
03/25/21	175401	FD4761	9735 OLD STATE HWY 48 TEMPORARY SERVICE	4,857	-	-
04/14/21	176335	FD4763	325 WEST LEVEE	2,304	-	-
05/07/21	177756	FD4764	7104 ARROYO BLVD	1,658	128	-
04/21/21	176775	FD4765	3025 BOCA CHICA BLVD	4,222	1,533	-
05/17/21	178308	FD4766	318 MCFADDEN DR	1,135	539	596
05/19/21	178637	FD4767	1144 INTERNATIONAL BLVD	5,301	1,545	-
06/10/21	179869	FD4768	529 PAREDES LINE RD	3,601	1,194	125
02/02/21	172007	FD4769	7225 INDUSTRIAL CIR EXEL BOBBINS	31,912	-	31,912
05/06/21	177629	FD4770	130 DOWNS DR	1,887	-	1,887
06/07/21	179577	FD4771	209 AMERICA DR JIFFY LUBE	16,879	-	16,880
06/25/21	180733	FD4772	2039 E PRICE RD	4,654	-	-
06/28/21	180798	FD4773	7395 PADRE ISLAND HWY	1,524	-	-
07/20/21	182017	FD4774	12650 STATE HWY 48 - OMNITRAX	5,977	-	-
07/16/21	181855	FD4775	1025 MAIN STREET TEMPORARY CONNECTION	3,628	-	-
08/04/21	182763	FD4776	1174 N CENTRAL AVENUE	4,805	-	-
08/10/21	183222	FD4777	2645 VILLAGE DR	4,817	-	-
07/09/21	181370	FD4778	1173 RUBEN M TORRES BLVD	1,732	-	-
08/20/21	183707	FD4779	1304 E ADAMS STREET E BRIDGE AND C.M.D.	37,628	-	-
09/02/21	184276	FD4780	1454 CENTRAL BLVD CANO HEALTHCARE	788	-	-
07/26/21	182296	FD4781	4295 N EXPRESSWAY 77/83 STANTON OPTICAL	6,724	-	-

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**Capital Project Listing – FY 2021**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
08/30/21	184121	FD4782	5905 SOUTH PADRE ISLAND HWY	14,771	-	-
08/04/21	182762	FD4783	1025 MAIN STREET JUBILEE SCHOOL	36,533	-	-
09/08/21	184514	FD4784	104 HIBISCUS CT	1,451	-	-
09/09/21	184617	FD4785	77 EXPWY 77 S FRONTAGE RD	11,574	-	-
09/09/21	184665	FD4786	3451 PABLO KISEL BLVD	2,952	-	-
08/20/21	183689	FD4787	704 PAREDES LINE RD	5,241	-	-
08/25/21	183922	FD4788	2410 HUDSON BLVD	12,064	-	-
CARRYOVER NEW CONNECTION PROJECT TOTAL				\$ 988,986	\$ 313,763	\$ 486,497
03/16/16	70844	ED5402	3777 N EXPRESSWAY 77/83 LAS PALMAS DEVELOPMENT	76,950	35,470	41,480
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	96,864	96,864	-
04/11/19	132827	ED5435	PALO ALTO SUBDIVISION OFF OF FM 511 / SH 550	-	-	-
05/14/19	134674	ED5436	SANTANDER PHASE IV SUBDIVISION BETWEEN LAREDO RD AND BASQUE DR ON SEVILLA ST, GALICIA CT AND TOLOSA ST	4,855	4,855	-
10/14/19	143654	ED5437	EL CHAPARRAL SUBDIVISION OFF OF E MORRISON ROAD	50,473	22,731	22,774
02/12/20	150619	ED5440	SIMMON'S CROSSING SECTION 2 OFF OF W MORRISON RD	120,461	13,014	-
10/23/19	144221	ED5441	LAGO VISTA PHASE VI SEC. III SUBDIVISION OFF OF LAGO VISTA BLVD AND RAINFOREST DR	41,775	14,584	-
02/05/20	150171	ED5442	QUEENSLAND SUBDIVISION, SECTION 3 OFF OF STAGECOACH TRAIL	186,769	-	-
02/05/20	150173	ED5444	CROSS COUNTRY TRAILS SUBDIVISION SECTION 9 OFF OF SAGEBRUSH RD AND ABILENE TRAIL	55,930	-	-
02/19/20	150882	ED5445	SIMMONS PLACE SUBDIVISION OFF OF W MORRISON RD AND SIMMONS BLVD	59,090	-	-
10/16/20	165495	ED5447	MAGDALENA ESTATES OFF OF FRUITDALE RD	15,283	-	-

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**Capital Project Listing – FY 2021**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
11/12/20	167001	ED5448	TRAIL VILLAGE APARTMENTS 48 UNITS AND CLUBHOUSE AT 25 PASEO PLAZA BLVD	24,924	3,709	21,215
11/19/20	167460	ED5449	LAS VILLAS DEL SOL SUBDIVISION SECTION 2 OFF OF VILLAS SOLEADAS ST AND JONATHAN CT	34,162	920	-
11/12/20	167055	ED5450	PALO ALTO SUBDIVISION PHASE 2 OFF OF CASTILLO ST AND JOAQUIN ST	65,958	-	19,387
08/04/20	160415	ED5451	THE GROVES: PHASE I - BUTTERFLY GROVE OFF OF OLD ALICE RD	318,521	86,320	51,100
04/01/21	175741	ED5452	QUEENSLAND IV SUBDIVISION OFF OF ABBEY CT AND FRIAR'S CT	47,637	21,439	26,197
03/22/21	175147	ED5453	PALMETTO GROVE SUBDIVISION PHASE II OFF OF DATE DR AND PALMAE DR	39,996	-	-
CARRYOVER SUBDIVISION PROJECT TOTAL				\$ 1,241,808	\$ 302,069	\$ 182,154
01/28/15	56501	ED7659	PORT OF BROWNSVILLE LIGHTING PROJECT ON CAPTAIN DONALD FOUST ROAD, MILO ROAD, WINDHAUS ROAD, RL OSTOS ROAD, LIQUID CARGO DOCK ROAD AND OLD SH 48	-	-	-
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	-
08/02/19	139579	ED7789	PLAZA EL MAGO DRIVE	3,485	3,485	-
01/08/20	148483	ED7791	CALLE ANACUA	8,762	8,762	-
03/12/20	152184	ED7794	OLD PORT ISABEL AND E PRICE RD	361	361	-
02/10/20	150387	ED7795	3445 FRENCH ST	1,369	1,369	-
07/30/20	160157	ED7799	2975 OLD ALICE RD	681	681	-
08/03/20	160316	ED7800	1504 E VAN BUREN ST	853	853	-
09/15/20	163092	ED7801	2775 NARANJO ST	2,062	2,062	-
10/29/20	166299	ED7802	E JEFFERSON & E 10TH STREET	1,083	1,083	-
10/29/20	166305	ED7803	344 W ADAMS STREET	556	556	-
01/22/21	171378	ED7804	5113 BRANSON PLACE	2,160	2,160	-

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**Capital Project Listing – FY 2021**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
01/26/21	171625	ED7805	1564 SUNSHINE RD	2,340	2,340	-
02/01/21	171949	ED7806	555 OWENS RD	1,357	1,357	-
01/07/20	148439	ED7807	3226 COFFEE RD	1,089	1,089	-
01/08/20	148463	ED7808	HARVARD AVENUE BETWEEN BOBBY LN AND OLD ALICE RD	3,448	3,448	-
01/08/20	148475	ED7809	3657 E 23RD ST	636	636	-
01/10/20	148648	ED7810	505 OLD ALICE RD	2,497	2,497	-
01/24/20	149328	ED7811	801 TROPICAL DR	1,256	1,256	-
02/13/20	150652	ED7812	1854 E VAN BUREN ST	1,091	1,091	-
02/19/20	150943	ED7813	1302 E 14TH STREET	1,124	1,124	-
03/23/18	110353	ED7814	BILLY MITCHELL BLVD - SIX STREET LIGHTS	3,417	3,417	-
04/23/19	133534	ED7815	LAREDO ROAD BETWEEN FED FOX ST AND QUAIL HOLLOW DR	1,300	1,300	-
05/03/19	134182	ED7816	LAREDO ROAD FROM ALTAMIRA ST TO MORRISON RD	27,367	27,367	-
07/29/19	139289	ED7817	722 E MONROE ST	711	711	-
01/22/21	171424	ED7818	380 AVENIDA ESTRELLA	656	656	-
01/29/21	171839	ED7819	1548 E HARRISON ST	571	386	-
01/21/21	171322	ED7820	1044 ARTHUR STREET	681	397	-
01/28/21	171769	ED7821	1508 E MADISON ST	681	397	-
03/07/19	130764	ED7822	2785 & 2871 E 32ND STREET	3,073	3,073	-
07/25/19	139065	ED7823	416 FM 511 STILLMAN DOG PARK	13,686	13,686	-
07/17/20	159180	ED7824	1788 MONCLOVA DR	681	237	-
07/21/20	159344	ED7825	117 SIMPSON STREET ALLEY	767	266	-
08/26/20	161843	ED7826	95 RAMIRENO LN	1,091	210	-
08/26/21	183974	ED7827	6700 PAREDES LINE RD - HPS TO LED CONVERSION ALONG PINEDA BLVD, GBIC CIRCLE AND INDUSTRIAL CIRCLE	6,535	-	-
09/17/19	142087	ED7828	1145 BOWIE DR	596	363	-
09/18/19	142162	ED7829	715 ACACIA LAKE DR	681	400	-
09/18/19	142171	ED7830	384 RENTFRO BLVD	596	363	-
N/A	N/A	N/A	STREET LIGHT INSTALLATION CARRYOVER FUNDING	-	-	54,844
OVERALL STREET LIGHT PROJECT TOTAL				\$ 136,817	\$ 126,957	\$ 54,844

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**Capital Project Listing – FY 2021**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
N/A	N/A	ED6000	EMERGENCY TROUBLE CALL	842,036	-	-
03/24/14	45869	FD6525	101 BOXCAR RD	-	-	-
10/28/15	66288	FD6558	902 CHEMICAL RD TRANSMONTAIGNE	-	-	-
05/09/16	73666	FD6581	2865 SOUTHMOST BLVD	365	365	-
03/28/16	71353	FD6583	1401 YARD ROAD	5,455	5,455	-
10/24/16	81331	FD6603	1104 BOCA CHICA BLVD	1,702	1,702	-
02/01/17	87174	FD6629	33 SUNSET DR	-	-	-
06/13/17	93787	FD6631	433 CHAMPION DR	2,081	2,081	-
11/02/17	101720	FD6655	233 SAN EUGENIO	1,731	1,731	-
10/26/17	101280	FD6659	1000 CAPTAIN DONALD FOUST RD PORT OF BROWNSVILLE ADMINISTRATION BUILDING	-	-	-
02/26/18	108617	FD6669	222 N EXPRESSWAY 77	1,066	1,066	-
04/12/18	111204	FD6674	10150 OLD STATE HIGHWAY 48	4,965	4,965	-
12/13/18	125866	FD6700	513 COUNTRY CLUB RD	-	-	631
12/19/18	126193	FD6701	700 AMELIA EARHART DR	540	540	-
03/08/19	130868	FD6711	720 E FRONTON ST	530	530	-
05/08/19	134370	FD6722	1030 EAST FRONTON ST	-	-	-
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	-
10/08/19	143392	FD6737	3310 EXPRESSWAY 77 ON SOUTH FRONTAGE RD	3,995	3,995	-
10/08/19	143370	FD6738	1744 HONEYDALE RD	-	-	-
11/20/19	145868	FD6744	4761 BOCA CHICA BLVD	-	-	-
09/06/19	141584	FD6745	FM 511 AND UTAH RD	1,395	-	-
12/27/19	147967	FD6747	925 W JEFFERSON ST	1,050	1,050	-

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**Capital Project Listing – FY 2021**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
02/26/20	151290	FD6758	3254 BOCA CHICA BLVD	584	584	-
06/27/18	115562	FD6759	2615 E PRICE RD HANNA ECHS GYMNASIUM	-	-	-
03/06/20	151860	FD6761	235 E FRONTON ST	530	530	-
03/23/20	152768	FD6762	LAS MANANITAS CIR TRANSFORMERS	847	847	-
03/19/20	152550	FD6763	1000 SPORTS PARK BLVD TRANSFORMER	799	799	-
04/08/20	153525	FD6766	2989 CENTRAL BLVD	908	908	-
04/16/20	153901	FD6767	3101 PABLO KISEL BLVD	-	-	-
05/05/20	154992	FD6768	114 CALLE JACARANDA POLE REPLACEMENT	994	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	2,096	648
05/29/20	156319	FD6772	154 E SAINT FRANCIS ST	-	-	-
02/27/20	151437	FD6773	203 NORTH DRIVE	-	-	-
07/10/20	158842	FD6776	HERON COVE LANE	3,303	2,487	-
07/21/20	159347	FD6777	5771 PADRE ISLAND HWY	-	-	-
07/21/20	159346	FD6779	2830CAJUN CT	-	-	-
07/23/20	159587	FD6780	333 LORENALY DR	15,129	80	-
08/28/20	158792 amended	FD6781	2100 LAREDO RD	20,954	-	-
08/13/20	161018	FD6782	3555 E 14TH STREET	463	-	463
08/14/20	161141	FD6783	53 CREEKBEND DR	2,531	2,531	-
06/01/20	156445	FD6784	24 CONQUISTADOR DR	-	-	-
08/11/20	160923	FD6785	6280 SOUTHMOST BLVD	1,076	318	-
05/28/20	156217	FD6786	3310 EXPRESSWAY 77 SOUTH FRONTAGE RD GSA BUS INSPECTION LANE	35,791	-	-
08/26/20	161836	FD6788	2425 BARNARD RD	781	401	-
09/04/20	162498	FD6790	17 IVY LANE	-	-	-
08/18/20	161330	FD6791	24 ELM ST	1,412	-	-
08/20/20	161453	FD6792	90 S VERMILLION	5,744	-	-

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**Capital Project Listing – FY 2021**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
09/16/20	163227	FD6793	3204 MCALLEN RD	2,000	375	-
09/15/20	163127	FD6794	129 POWER PLANT DR	7,493	7,493	-
09/10/20	162757	FD6795	700 E SAINT CHARLES ST	8,808	1,669	-
09/28/20	164213	FD6797	264 CALLE JACARANDA	6,048	-	-
11/05/20	166666	FD6798	OSCAR DANCY AND RUBEN M TORRES BLVD	547	547	-
08/25/20	161709	FD6799	SPORTS PARK BLVD AND GROVE LANE	3,094	-	-
10/26/20	166148	FD6800	3555 E 14TH STREET TRANSFORMER FOR RICH SEAPAK	46,930	-	-
11/16/20	167234	FD6803	1437 GARFIELD ST	2,561	682	1,879
10/28/20	166280	FD6804	16200 JOE GARZA SR RD	5,019	5,019	-
09/14/20	163033	FD6805	3555 E 14TH STREET	15,094	-	-
12/07/20	168560	FD6806	2701 PAREDES LINE RD	10,130	-	-
08/06/21	160601	FD6807	305 LINDA LN	2,435	31	-
11/09/20	166875	FD6808	3101 MCALLEN RD - BISD GATES AND MARQUEE SIGN	2,762	(0)	-
06/03/20	156735	FD6809	101 SAINT JOSEPH DRIVE	998	-	-
02/01/21	171922	FD6810	418 VILLA VERDE DR	2,469	1,640	-
11/20/20	167608	FD6812	800 LAKESIDE BLVD	9,648	-	9,648
12/23/20	169583	FD6813	1040 W JEFFERSON ST	6,569	6,569	-
02/09/21	172526	FD6814	6720 PAREDES LINE RD	40,411	5,258	-
03/10/21	174428	FD6815	15 WARREN AVE	1,142	1,142	-
11/02/20	166431	FD6816	1834 PALM BLVD	6,614	5,814	800
02/11/21	172762	FD6817	4201 CAPTAIN DONALD FOUST RD	977	553	-
12/30/20	169862	FD6818	4425 E 14TH STREET	12,816	-	880
03/22/21	175204	FD6819	2401 WILDFLOWER DR	14,866	163	-
04/01/21	175725	FD6820	2000 MINERAL LOOP	2,308	-	-
03/16/21	174754	FD6821	COFFEEPORT & PADRE ISLAND HWY	814	814	-
04/13/21	176243	FD6822	1424 GUADALAJARA CT	1,040	-	-
04/20/21	176747	FD6823	127 BATES ST	802	802	-

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**Capital Project Listing – FY 2021**  
**For All Carryover Electric Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
11/16/20	167236	FD6824	6720 PAREDES LINE RD CK TECHNOLOGIES PAD MOUNT PRIMARY METER	24,722	-	24,722
05/13/21	178126	FD6825	1425 ROBINHOOD DR JUNCTION BOX REPLACEMENT	2,715	1,034	-
04/22/21	154217	FD6826	2450 COURAGE ST SWITCH GEAR REPLACEMENT	26,264	26,264	-
04/29/21	177249	FD6827	7514 HANA DR	2,129	957	1,172
05/24/21	178843	FD6828	CHEMICAL RD AND CANTU RD	3,283	1,699	162
05/04/21	177468	FD6829	2010 N CENTRAL AVENUE	7,399	-	-
06/03/21	179368	FD6830	1900 RIDGLEY RD - TSC	29,311	-	-
05/19/21	178633	FD6831	871 OLD ALICE RD	1,085	1,085	-
06/25/21	180685	FD6832	2702 LA VILLITA ST LIFT STATION NO. 8	9,524	9,524	-
06/24/21	180601	FD6833	264 CAMAGUEY AVE	1,539	-	-
07/13/21	181572	FD6834	RANCHO DEL CIELO TRANSFORMERS REPLACEMENTS	17,266	-	-
07/07/21	181251	FD6835	2744 GREENHAVEN DR	2,418	-	-
07/26/21	182285	FD6836	1040 W JEFFERSON ST	1,956	-	-
09/08/21	176384 amended	FD6837	1000 CAPTAIN DONALD FOUST RD POLE REPLACEMENTS - OMNITRAX	25,870	-	-
08/06/21	182956	FD6838	10150 STATE HIGHWAY 48	1,053	-	-
08/24/21	183845	FD6839	409 E 13TH STREET	1,707	-	-
09/03/21	184307	FD6840	1900 E PRICE RD	11,540	-	-
02/12/21	N/A	WN0221	FEB 2021 WINTER WEATHER EVENT EXP	-	-	-
OVERALL TROUBLE CALL PROJECT TOTAL				\$ 1,369,735	\$ 137,393	\$ 41,005
OVERALL CARRYOVER ELECTRIC UTILITY PROJECT TOTAL				\$ 14,010,775	\$ 6,046,294	\$ 8,755,328

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**Capital Project Listing – FY 2021**  
**For All Carryover Water Utility Projects**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
N/A	N/A	CDAM	CHANNEL DAM	-	-	-
03/27/20	79851 amended	WT1015	CAUSTIC SODA FEED IMPROVEMENTS AT WATER PLANT NO. 2	11,731	11,178	-
03/22/21	83301 amended	WD1025	2.0 MG ELEVATED STORAGE TANK DESIGN AND ENGINEERING	170,362	41,860	6,522,961
01/09/17	85681	WA1037	SEDIMENTATION BASIN LIGHTING REPLACEMENT AT WATER PLANT II	76,108	76,108	-
07/12/19	97527 amended	WT1071	HIGH SERVICE PUMP STATION NO. 5 REPLACEMENT FOR WATER PLANT I - ENGINEERING	-	-	-
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	-
02/01/18	107225	WD1093	FM 802 WATER MAIN LOOP ON FM 802 BETWEEN COFFEEPORT RD AND WOODSTONE DR; ENGINEERING	905	-	-
02/01/18	107226	WD1094	WEST 5TH STREET WATER MAIN LOOP OFF OF W FRONTON ST, W 5TH ST AND RAILROAD TRACKS; ENGINEERING	8,606	4,511	1,960
03/26/18	110515	WS1113	VARIABLE FREQUENCY DRIVE REPLACEMENT AT WELL NO. 11	-	-	-
12/11/18	122556 amended	WT1161	AERATION STRUCTURE REHABILITATION ENGINEERING (RFQ020-18 PACKET 3)	148,055	125,824	-
12/11/18	123897 amended	WT1162	AERATION TANK REPLACEMENT ENGINEERING (RFQ020-18 PACKET 3)	150,402	128,170	-
11/06/18	123946	WT1168	36-INCH MAG METER FOR WATER TREATMENT PLANT I	-	-	-
12/04/18	125343	WT1172	RAW WATER PUMP STATION AT WATER PLANT I - ENGINEERING PACKET NO. 4 (RFQ020-18)	50,461	29,201	741,710
12/04/18	125336	WT1173	HIGH SERVICE PUMP STATION NO. 1 AT WATER PLANT I - ENGINEERING PACKET NO. 4 (RFQ020-18)	70,027	38,308	-

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**Capital Project Listing – FY 2021**  
**For All Carryover Water Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
12/04/18	125337	WT1174	HIGH SERVICE PUMP STATION NO. 2 AT WATER PLANT I - ENGINEERING PACKET NO. 4 (RFQ020-18)	39,189	23,775	-
12/04/18	125357	WT1175	HIGH SERVICE PUMP STATION (5 VERTICAL TURBINE PUMPS) AT WATER PLANT II - ENGINEERING PACKET NO. 4 (RFQ020-18)	46,037	27,577	-
12/05/18	125392	WT1176	RAW WATER PUMP STATION AT WATER PLANT II - ENGINEERING PACKET NO. 4 (RFQ020-18)	37,236	21,238	-
04/28/21	135846 amended	WD1213	WATER VALVE REPLACEMENT PHASE 3 - ENGINEERING	80,112	49,413	719
07/02/19	137662	WA1215	WEST-MARK WATER TANK TRAILERS	-	-	-
12/16/20	140603 amended	WD1226	INSTALLING FIRST-TIME WATER SERVICE TO RESIDENTS OF TORRES ROAD EAST OF MILITARY HWY 281	113,306	62,344	65,208
11/26/19	146259	WT1241	CALCIUM CHLORIDE CHEMICAL BULK STORAGE FACILITIES - ENGINEERING	-	-	-
10/01/20	164427	WA1273	WATER PLANT NO. 1 CAMERA SYSTEM	40,695	40,695	17,805
08/23/21	182386 amended	WD1303	SOUTHMOST RD SURVEY FOR WATERLINE EXTENSION TO JOINT TACTICAL TRAINING FACILITY FROM DAKOTA AVE TO INDIANA AVE	13,883	13,699	320,447
N/A	N/A	N/A	WATER PLANT NO. 2 ROOFING	-	-	-
N/A	N/A	N/A	CROMACK FAMILY MANAGEMENT TRUST PROPERTY PURCHASE	-	-	-
N/A	N/A	N/A	WATER MAIN REPLACEMENTS RELATED TO CITY STREET PAVING AND DRAINAGE IMPROVEMENT PROJECTS	-	-	113,367
CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ 1,059,739	\$ 696,526	\$ 7,784,177
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	2,618	1,685	-

Continued

**Capital Project Listing – FY 2021**  
**For All Carryover Water Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
03/22/18	110319	WD5364	IDEA CAMP RIO OFF OF 280 FISH HATCHERY ROAD DEVELOPER INSTALLED IMPROVEMENTS	-	-	-
06/29/18	115696	WD5369	LA CANTERA LEGACY APARTMENTS OFF OF RUBEN M TORRES BLVD DEVELOPER INSTALLED IMPROVEMENTS	-	-	-
08/03/18	117799	WD5376	BUTTERFLY GROVE SUBDIVISION ON NARANJO ROAD AND OLD ALICE ROAD DEVELOPER INSTALLED IMPROVEMENTS	4,396	-	-
CARRYOVER SUBDIVISION PROJECT TOTAL				\$ 11,361	\$ 6,032	\$ -
N/A	N/A	WD6000	EMERGENCY WATER UTILITY REPLACEMENT	-	-	-
02/01/18	107227	WD6096	S OLD ALICE RD AND SUNSET DR UTILITY IMPROVEMENTS; ENGINEERING	10,749	3,000	-
02/01/18	107228	WD6097	TARA PLACE, DIX DRIVE AND HACIENDA LANE UTILITY IMPROVEMENTS OFF OF LA FERIA ROAD; ENGINEERING	7,855	4,431	-
02/20/18	108283	WD6100	GABRIEL STREET WATER SERVICE LINE CROSSINGS	76,604	76,604	-
03/27/18	110633	WD6101	624 VILLA VERDE WATER LINE ADJUSTMENT	-	-	-
CARRYOVER RELOCATION/REPLACEMENT OF LINES PROJECT TOTAL				\$ 95,207	\$ 84,034	\$ -
OVERALL CARRYOVER WATER UTILITY PROJECT TOTAL				\$ 1,166,307	\$ 786,592	\$ 7,784,177
						Project Total \$ 8,570,769
						Add Additional Projects from W & WW Projects 122,279
						Overall Total Water \$ 8,693,048

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**Capital Project Listing – FY 2021**  
**For All Carryover Wastewater Utility Projects**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
06/08/20	79461 amended	SP1009	LS 63 MOTOR CONTROL CENTER BUILDING AND ELECTRICAL UPGRADES	17,257	17,257	-
10/31/17	95617 amended	SA1062	NWWTP ADMINISTRATION BUILDING IMPROVEMENTS	-	-	-
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	2,295	48,808
05/13/21	123906 amended	ST1163	AEROBIC DIGESTER BLOWERS AT NWWTP ENGINEERING (RFQ020-18 PACKET 3) AND EQUIPMENT PURCHASE	549,342	217,947	4,612
12/11/18	123197 amended	ST1164	HIGH EFFICIENT BLOWERS AT SWWTP ENGINEERING (RFQ020-18 PACKET 5)	43,710	28,833	4,741
04/12/21	123235 amended	ST1165	INFLUENT CHANNEL AT SWWTP ENGINEERING (RFQ020-18 PACKET 5) AND CONSTRUCTION	193,131	113,172	31,285
03/30/21	123422 amended	ST1166	DIGESTER TANK REPLACEMENT AT SWWTP ENGINEERING (RFQ020-18 PACKET 5) AND CONSTRUCTION	1,373,568	930,795	244,404
03/30/21	123482 amended	ST1167	AERATION BASIN NO. 3 AT SWWTP ENGINEERING (RFQ020-18 PACKET 5) AND CONSTRUCTION	480,089	320,773	85,268
12/05/18	125393	ST1177	BELT FILTER PRESS AT SOUTH WASTEWATER TREATMENT PLANT - ENGINEERING PACKET NO. 4 (RFQ020-18)	41,837	23,184	93
12/05/18	125395	ST1178	NON-POTABLE PUMP AND MOTOR NO. 1 AT SOUTH WASTEWATER TREATMENT PLANT - ENGINEERING PACKET NO. 4 (RFQ020-18)	44,137	26,377	-
12/05/18	125397	ST1179	NON-POTABLE PUMP AND MOTOR NO. 1 AT ROBINDALE WASTEWATER TREATMENT PLANT - ENGINEERING; PACKET NO. 4 (RFQ020-18)	49,228	29,349	-
03/30/21	169054 amended	ST1278	HEADWORKS GRIT SYSTEM UPGRADE AND RETROFIT (PACKET 5) AT SOUTH WWTP	4,176,633	2,741,068	797,466
02/05/21	172204 amended	ST1282	3EA 25 YARD BIO-SOLIDS METAL ROLL-OFF BINS FOR ROBINDALE WASTEWATER TREATMENT PLANT	24,358	-	-
02/10/21	172650	SC1285	PORTWAY PLACE SUBDIVISION UTILITY IMPROVEMENTS - COB STREET PROJECT	22,374	14,876	6,128

Continued

**Capital Project Listing – FY 2021**  
**For All Carryover Wastewater Utility Projects - Continued**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
02/10/21	172645	SC1286	COB CONTRACT NO. 3 UTILITY IMPROVEMENTS AT JOSE MARTI BLVD, CALLE BUENOS AIRES, CALLE COSTA RICA AND CALLE NORTENA	38,560	23,485	13,704
04/28/21	177196	SC1298	S INDIANA FM 511 UTILITY ADJUSTMENTS ON S INDIANA (FM 511) BETWEEN UTAH RD AND TORONJA RD	33,340	-	173,757
N/A	N/A	N/A	SEWER REPLACEMENTS RELATED TO THE CITY STREET PAVING AND DRAINAGE IMPROVEMENT PROJECTS	-	-	45,251
CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ 7,107,609	\$ 4,498,926	\$ 1,455,516
N/A	N/A	SC6000	EMERGENCY WASTEWATER UTILITY REPLACEMENT	-	-	-
12/12/17	104049	SC6095	PALM VILLAGE UTILITY IMPROVEMENTS AT 1400 PALM BLVD; ENGINEERING	7,793	7,793	50,000
02/01/18	107229	SC6098	RENTFRO BLVD UTILITY IMPROVEMENTS FROM SHIDLER DRIVE TO EASTERN BLVD; ENGINEERING	-	-	42,457
01/18/19	127765	SC6104	OLD PORT ISABEL ROAD 24-INCH DIAMETER FORCE MAIN REPLACEMENT BETWEEN PRICE ROAD AND RUBEN TORRES BLVD - ENGINEERING	7,301	4,328	-
02/19/21	152557 amended	SC6106	2020 CIP CONTRACT NO. 4 W LOS EBANOS BLVD - HONEYDALE TO EAST DRIVE CALLE GALAXIA - US 281 TO CALLE ESPACIO CALLE ESPACIO - CALLE GALAXIA TO CALLE PLUTON	620,850	584,716	10,414
CARRYOVER RELOCATION/REPLACEMENT OF LINES PROJECT TOTAL				\$ 635,944	\$ 596,837	\$ 102,871
07/29/16	30301 amended	SC9265	SOUTH COLONIAS OF BROWNSVILLE CORONADO, COLONIA 21 SUBDIVISION, DOCKBERRY ESTATES, MILPA VERDE, AND PALOMA BLANCA ENGINEERING	964	964	125,046
08/23/21	30302 amended	SC9266	NORTH COLONIAS OF BROWNSVILLE LAS FLORES, PALACIOS, CENTRAL ESTATES, PRAXEDIS SALDIVAR, AND UNSERVED PORTIONS ALONG OLD PORT ISABEL RD; ENGINEERING	8,641	-	964
04/15/16	33849 amended	SC9272	FM 511-802 COLONIA AREAS CONSTRUCTION PHASE	-	-	-
CARRYOVER NEW CONNECTION PROJECT TOTAL				\$ 9,605	\$ 964	\$ 126,010
OVERALL CARRYOVER WASTEWATER UTILITY PROJECT TOTAL				\$ 7,753,158	\$ 5,096,727	\$ 1,684,397
						Project Total \$ 6,781,124
						Add Additional Projects from W & WW Projects 106,896
						Overall Total Wastewater \$ 6,888,020



**Capital Project Listing – FY 2021**  
**For All Carryover Water & Wastewater Utility Projects**  
**Improvement Fund (Fund 400)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
06/07/18	112900 amended	WD1110	BROWNSVILLE AIRPORT TERMINAL PROJECT AT 700 AMELIA EARHART DR	312	312	-
06/07/18	112909 amended	SC1110	DEVELOPER INSTALLED IMPROVEMENTS	1,230	387	-
02/03/21	172156	WD1283	AVENIDA DE LA PLATA, ELSA STREET, MARVIS	74,117	35,425	1,772
	172157	SC1283	STREET AND SAN PEDRO LANE; CITY STREETS UTILITY IMPROVEMENTS - COB STREET PROJECT	74,117	35,425	1,772
02/11/21	172672	WD1284	CALVIN STREET UTILITY IMPROVEMENT	16,253	13,048	1,834
	172673	SC1284	COB STREET PROJECT	16,253	13,048	1,834
06/22/20	N/A	WD3965	WATER UTILITY IMPROVEMENTS	139,164	-	-
06/22/20	N/A	SC3965	WASTEWATER UTILITY IMPROVEMENTS FOR THE ANNEX ADMIN. BUILDING	30,541	-	-
04/30/19	110883 amended	WD3966	SERVICE CENTER YARD UTILITY IMPROVEMENTS	12,749	-	44,568
05/24/18	110884 amended	SC3966		-	-	-
CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ 364,735	\$ 97,643	\$ 51,782
10/12/15	65798	WD5327	WINDSOR SUBDIVISION	5,063	5,063	-
	65799	SC5327	3705 BOCA CHICA BLVD DEVELOPER INSTALLED IMPROVEMENTS	-	-	-
CARRYOVER SUBDIVISION PROJECT TOTAL				\$ 5,063	\$ 5,063	\$ -
02/01/18	107271	WD6099	LOS EBANOS BLVD UTILITY IMPROVEMENTS	19,335	19,335	-
02/01/18	107265	SC6099	BETWEEN EAST DRIVE AND HONEYDALE ROAD - ENGINEERING	3,814	3,814	50,000
04/29/21	177297	WD6107	E 15TH STREET UTILITY IMPROVEMENTS	922	922	-
04/29/21	177300	SC6107	ON E 15TH ST BETWEEN JEFFERSON ST AND TYLER ST	922	616	-
CARRYOVER RELOCATION/REPLACEMENT OF LINES PROJECT TOTAL				\$ 24,992	\$ 24,687	\$ 50,000
OVERALL CARRYOVER WATER & WASTEWATER UTILITY PROJECT TOTAL				\$ 394,790	\$ 127,393	\$ 101,782
Water Total				267,914	74,104	48,175
Wastewater Total				126,876	53,289	53,607
				\$ 394,790	\$ 127,393	\$ 101,782

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**Summary Expenditure Report  
For All Carryover Projects – FY 2021  
For All Other Capital Funds**

		FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET	CARRYOVER BUDGET TOTAL	FY 2022 APPROVED BUDGET	APPROVED BUDGET TOTAL
FUTURE DEBT BOND PROCEEDS PROJECTS (COMMERCIAL PAPER) TOTAL	\$	14,036,592	\$ 6,441,491	\$ 9,915,568	\$ 16,357,059	\$ 21,467,708	\$ 37,824,767
IMPACT FEES TOTAL		469,303	398,967	5,624,581	6,023,548	4,111,600	10,135,148
GRANT FUNDS TOTAL		100,000	-	7,948	7,948	-	7,948
OTHER CAPITAL FUNDS APPROVED BUDGET TOTAL	\$	14,605,895	\$ 6,840,458	\$ 15,548,097	\$ 22,388,555	\$ 25,579,308	\$ 47,967,863

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**Capital Project Listing – FY 2021**  
**For All Carryover Projects**  
**Future Debt Bond Proceeds Projects (Commercial Paper Fund 405)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
N/A	N/A	ED1000	ELECTRIC SYSTEM CONSTRUCTION CONTRACT - ELECTRIC DISTRIBUTION	34,310	-	417,000
05/17/21	178308	FD4766	318 MCFADDEN DR	1,362	-	-
06/10/21	179869	FD4768	529 PAREDES LINE RD	2,863	-	-
06/10/20	157262	FD6771	395 CALLE JACARANDA	23,344	-	-
05/24/21	178843	FD6828	CHEMICAL RD AND CANTU RD	3,687	-	-
			ELECTRIC SYSTEM CONSTRUCTION CONTRACT TOTAL	\$ 65,566	\$ -	\$ 417,000
09/21/16	79488	SP1011	LIFT STATION NO. 44 REHABILITATION AT 45 TAN OAK CIRCLE	19,008	19,008	603,904
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	-
07/12/19	97527 amended	WT1071	HIGH SERVICE PUMP STATION NO. 5 REPLACEMENT FOR WATER PLANT I - CONSTRUCTION	649,875	102,766	-
12/14/17	104167	SC1086	BROWNSVILLE SOUTH PADRE ISLAND INTERNATIONAL AIRPORT EDA CARGO FACILITY DEVELOPER INSTALLED IMPROVEMENTS	2,625	2,625	-
11/15/18	121496 amended	SP1135	LIFT STATION NO. 9 REHABILITATION WASTEWATER PUMPING STATION UPGRADES PACKET NO. 1 (RFQ Q020-18)	35,669	31,400	300,000
11/15/18	121769 amended	SP1136	LIFT STATION NO. 17 REHABILITATION WASTEWATER PUMPING STATION UPGRADES PACKET NO. 1 (RFQ Q020-18)	13,257	8,274	-
11/15/18	121770 amended	SP1137	LIFT STATION NO. 72 REHABILITATION WASTEWATER PUMPING STATION UPGRADES PACKET NO. 1 (RFQ Q020-18)	31,620	27,872	-
11/15/18	121771 amended	SP1138	LIFT STATION NO. 95 REHABILITATION WASTEWATER PUMPING STATION UPGRADES PACKET NO. 1 (RFQ Q020-18)	35,669	31,922	-
11/15/18	121772 amended	SP1139	LIFT STATION NO. 99 REHABILITATION WASTEWATER PUMPING STATION UPGRADES PACKET NO. 1 (RFQ Q020-18)	35,669	31,922	-
08/19/21	121773 amended	SP1140	LIFT STATION NO. 15 REHABILITATION WASTEWATER PUMPING STATION UPGRADES PACKET NO. 2 (RFQ Q020-18) - ENGINEERING AND CONSTRUCTION	1,963,694	1,956,997	4,886

continued

**Capital Project Listing – FY 2021**  
**For All Carryover Projects**  
**Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
12/21/18	121774 amended	SP1141	LIFT STATION NO. 63 REHABILITATION WASTEWATER PUMPING STATION UPGRADES PACKET NO. 2 (RFQ Q020-18)	75,376	62,368	6,053
12/21/18	121775 amended	SP1142	LIFT STATION NO. 106 REHABILITATION WASTEWATER PUMPING STATION UPGRADES PACKET NO. 2 (RFQ Q020-18)	40,258	35,960	406,641
11/15/18	122410 amended	SP1145	LIFT STATION NO. 89 REHABILITATION ENGINEERING (RFQ020-18 PACKET 1)	35,669	31,922	-
11/15/18	122450 amended	SP1146	LIFT STATION NO. 96 DECOMMISSION ENGINEERING (RFQ020-18 PACKET 1)	35,669	31,922	-
07/18/19	122385 amended	SP1147	LIFT STATION NO. 10 REHABILITATION ENGINEERING (RFQ020-18 PACKET 1)	35,669	31,922	-
11/15/18	122394 amended	SP1148	LIFT STATION NO. 11 REHABILITATION ENGINEERING (RFQ020-18 PACKET 1)	35,669	31,922	-
11/15/18	122396 amended	SP1149	LIFT STATION NO. 28 REHABILITATION ENGINEERING (RFQ020-18 PACKET 1)	35,669	31,922	-
11/15/18	122401 amended	SP1150	LIFT STATION NO. 43 REHABILITATION ENGINEERING (RFQ020-18 PACKET 1)	33,556	29,808	-
11/15/18	122406 amended	SP1151	LIFT STATION NO. 58 REHABILITATION ENGINEERING (RFQ020-18 PACKET 1)	35,669	31,922	-
08/23/21	122468 amended	SP1152	LIFT STATION NO. 47 REHABILITATION NO. 2 (RFQ Q020-18) - ENGINEERING AND CONSTRUCTION	717,908	42,912	-
01/08/19	122486 amended	SP1153	LIFT STATION NO. 51 REHABILITATION ENGINEERING (RFQ020-18 PACKET 2)	34,866	31,042	2,244
01/08/19	122494 amended	SP1154	LIFT STATION NO. 67 REHABILITATION ENGINEERING (RFQ020-18 PACKET 2)	38,277	34,221	2,380
01/08/19	122553 amended	SP1155	LIFT STATION NO. 80 REHABILITATION ENGINEERING (RFQ020-18 PACKET 2)	36,649	32,789	2,265
01/08/19	122554 amended	SP1156	LIFT STATION NO. 101 REHABILITATION ENGINEERING (RFQ020-18 PACKET 2)	43,146	38,373	2,801
01/08/19	122555 amended	SP1157	LIFT STATION NO. 105 REHABILITATION ENGINEERING (RFQ020-18 PACKET 2)	37,474	33,511	2,326
12/11/18	124094 amended	SP1160	LIFT STATION NO. 140 REHABILITATION ENGINEERING (RFQ020-18 PACKET 1)	35,669	29,242	550,839
05/13/21	123906 amended	ST1163	AEROBIC DIGESTER BLOWERS AT NWWTP EQUIPMENT PURCHASE (RFQ020-18 PACKET 3)	647,953	548,691	99,262
01/28/19	128470	WT1190	REPLACEMENT OF DRAIN VALVES FOR DRYING LAGOONS AT WATER PLANT I - ENGINEERING	6,890	6,890	51,610

continued

**Capital Project Listing – FY 2021**  
**For All Carryover Projects**  
**Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
01/18/19	127758	WD1201	39-INCH DIAMETER RAW WATER LINE REPLACEMENT AT ROTARY PARK - ENGINEERING	37,381	25,535	4,133
04/23/19	131948 amended	WT1202	HIGH SERVICE PUMP NO. 3 REPLACEMENT AT WATER PLANT I	6,955	4,804	254
04/28/21	135846 amended	WD1213	WATER VALVE REPLACEMENT PHASE 3 - CONSTRUCTION	473,326	108,141	304,842
07/22/19	138698	ST1219	ROBINDALE WASTEWATER TREATMENT PLANT BLOWER REPLACEMENT FOR AEROBIC DIGESTER	17,409	17,409	170,446
12/03/19	146429	SA1245	NWWTP BLOWER BUILDING NO. 1 ROOF REPLACEMENT	6,112	6,112	-
12/02/19	146371	ST1246	REPLACEMENT OF EFFLUENT RIVER PUMP AND MOTOR NO. 3 AT SWWTP	125,526	16,296	-
01/22/20	149188	ST1254	4 EACH BLOWER REPLACEMENTS AT SOUTH WASTEWATER TREATMENT PLANT	266,550	44,304	-
06/29/20	148831 amended	ST1255	REHABILITATION OF VACUUM TRUCK UNLOADING STATION - ENGINEERING; AT ROBINDALE WASTEWATER TREATMENT PLANT	67,267	42,973	-
02/28/20	151468	ST1257	THREE SLUICE GATE VALVE REPLACEMENT AT ROBINDALE WASTEWATER TREATMENT PLANT	9,372	9,372	-
05/13/20	152926 amended	ST1261	FOUR TORQUE VALVE ACTUATORS FOR THE TRAIN INLET ISOLATION VALVES AT THE ROBINDALE WWTP - ENGINEERING	35,922	22,951	-
04/29/20	154622	ST1262	NON-POTABLE PUMP NO. 1 UPGRADE AT SOUTH WASTEWATER TREATMENT PLANT	46,507	6,868	-
08/25/20	159629 amended	ST1268	CHLORINE CONTACT CHAMBER SLUICE GATE REPLACEMENT PROJECT AT SWWTP	95,316	15,991	36,198
08/17/20	161279	WD1271	EMERGENCY BY-PASS PUMPS FOR WATER PLANT I AND II - ENGINEERING	46,979	-	30,619
10/09/20	165034	EA1274	SCADA COMMUNICATION ENHANCEMENT PROJECT	43,150	-	383,932
12/17/20	167872 amended	WT1276	CHLORINATION ROOM CANOPY AND HOIST IMPROVEMENTS AT WATER PLANT I - ENGINEERING	35,094	11,182	362,623
12/22/20	169492	ET1279	56 MVA NORTH-WEST DISTRIBUTION SUBSTATION - ENGINEERING	295,850	294,942	2,534,150
12/22/20	169496	ET1280	3 EACH 145KV CIRCUIT BREAKERS FOR USE AS SPARES	148,583	148,583	-
02/10/21	172649	WD1285	PORTWAY PLACE SUBDIVISION UTILITY IMPROVEMENTS - COB STREET PROJECT	22,374	14,876	6,128
02/10/21	172640	WD1286	COB CONTRACT NO. 3 UTILITY IMPROVEMENTS AT JOSE MARTI BLVD, CALLE BUENOS AIRES, CALLE COSTA RICA AND CALLE NORTENA	38,560	23,485	13,704
02/05/21	172330	ST1293	SWWTP DRAIN PUMP STATION REPLACE PUMP NO. 1, 2 AND 3	58,643	307	66,716
06/11/21	142667	SA1301	SCADA LS CONTROL PANEL PURCHASE AND INSTALLATION	89,188	89,188	-
12/03/13	42653	WD3888	MARTINAL AREA WATER SYSTEM LOOPS OFF OF OLD PORT ISABEL ROAD AND FM 802 - ENGINEERING	22,809	22,809	-

continued

**Capital Project Listing – FY 2021**  
**For All Carryover Projects**  
**Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
08/09/17	47262 amended	EA3909	ELECTRIC SCADA SYSTEM - INSTALLATION AND REPLACEMENT	-	-	316,208
10/17/19	80540 amended	GA3965	ADMINISTRATION BUILDING ANNEX - CONSTRUCTION SERVICES (Accounting Adjustment) - FURNITURE, FIXTURES AND EQUIPMENT	- 5,500,000	- 1,370,715	- 1,271,512
06/29/17	94653	SC5350	RESACA CROSSING SUBDIVISION ON HUDSON BLVD AND RUBEN TORRES BLVD DEVELOPER INSTALLED IMPROVEMENTS	3,353	3,353	-
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	2,074	-
08/03/18	117802	SC5376	BUTTERFLY GROVE SUBDIVISION ON NARANJO ROAD AND OLD ALICE ROAD DEVELOPER INSTALLED IMPROVEMENTS	5,888	-	-
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	-
04/15/19	133032	WD5383	SANTANDER SUBDIVISION, PHASE IV	15	15	-
04/15/19	133034	SC5383	OFF OF LAREDO ROAD DEVELOPER INSTALLED IMPROVEMENTS	1,118	1,118	-
04/15/19	133035	WD5384	LAGO VISTA SUBDIVISION, SECTION II, PHASE VI	1,953	1,953	-
04/15/19	133036	SC5384	OFF OF LAGO VISTA BLVD AND RAIN FOREST DRIVE DEVELOPER INSTALLED IMPROVEMENTS	-	-	-
04/15/19	133038	WD5385	CENTRAL PARK COMMUNITY CENTER SUBDIVISION	1,020	1,020	-
04/15/19	133040	SC5385	OFF OF DOUGLAS WAY AND ALEXA DRIVE DEVELOPER INSTALLED IMPROVEMENTS	1,136	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	921	921	-
06/12/19	136468	SC5387	DEVELOPER INSTALLED IMPROVEMENTS	-	-	-
06/12/19	136483	WD5388	SANDLEWOOD SUBDIVISION	-	-	-
06/12/19	136484	SC5388	DEVELOPER INSTALLED IMPROVEMENTS	3,502	3,502	-

continued

**Capital Project Listing – FY 2021**  
**For All Carryover Projects**  
**Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
06/12/19	136474	SC5389	ESPERANZA SUBDIVISION OFF OF HOUSTON ROAD DEVELOPER INSTALLED IMPROVEMENTS	2,553	2,553	-
08/05/19	139636	SC5390	LOERA WAREHOUSE NO. 12 1505 CENTRAL AVENUE DEVELOPER INSTALLED IMPROVEMENTS	487	487	-
08/07/19	139848	WD5391	PALMETTO GROVE SUBDIVISION, PHASE II, REPLAT	4,173	4,173	-
	139851	SC5391	INTERSECTION OF SOUTH DAKOTA AVE AND SOUTHMOST RD; DEVELOPER INSTALLED IMPROVEMENTS	1,850	1,850	-
12/02/19	146357	WD5398	SIMMON'S PLACE SUBDIVISION	800	800	-
12/02/19	146360	SC5398	OFF OF MORRISON ROAD/STERLING STREET DEVELOPER INSTALLED IMPROVEMENTS	-	-	-
03/06/20	151852	WD5399	QUEENSLAND SUBDIVISION, SECTION 3	-	-	-
03/06/20	151856	SC5399	OFF OF STAGECOACH TRAILS BLVD DEVELOPER INSTALLED IMPROVEMENTS	2,235	1,906	-
03/06/20	151863	WD5400	TIPTON MOTORS SUBDIVISION REPLAT NO. 2	606	606	-
03/06/20	151864	SC5400	OFF OF MORRISON ROAD / REAR OF TIPTON MOTORS DEVELOPER INSTALLED IMPROVEMENTS	927	927	-
03/13/20	152235	SC5404	PASO DEL REY SUBDIVISION OFF OF HOUSTON RD AND DAKOTA AVENUE DEVELOPER INSTALLED IMPROVEMENTS	2,039	2,039	-
04/08/20	153518	WD5406	JEAN SUBDIVISION	3,176	2,880	-
04/08/20	153512	SC5406	INTERSECTION OF W TANDY RD AND GREEN CT DEVELOPER INSTALLED IMPROVEMENTS	-	-	-
04/09/20	153559	WD5407	LAS VILLAS DEL SOL SUBDIVISION, SECTION 2	1,757	1,757	-
04/09/20	153557	SC5407	OFF OF VILLA SOLEDAD STREET DEVELOPER INSTALLED IMPROVEMENTS	-	-	-
06/29/20	158248	WD5408	RESACA VIEW SUBDIVISION	-	-	-
	158249	SC5408	INTERSECTION OF FM 802 AND LAREDO ROAD DEVELOPER INSTALLED IMPROVEMENTS	1,409	640	-
07/10/20	158794	WD5409	CASITA LANTANA PROJECT OFF OF DANA AVENUE AND WESTWIND DRIVE DEVELOPER INSTALLED IMPROVEMENTS	3,425	-	-
07/13/20	158952	WD5410	HEWL WAREHOUSE	1,983	-	-
	158959	SC5410	1930 ANEI CIRCLE DEVELOPER INSTALLED IMPROVEMENTS	-	-	-
09/09/20	162660	WD5411	PALO ALTO RESIDENCE PHASE II SUBDIVISION	2,516	-	-
	162661	SC5411	OFF OF PALO ALTO AND CASTILLO ST DEVELOPER INSTALLED IMPROVEMENTS	3,643	2,690	-
09/14/20	162987	WD5412	IDEA ACADEMY SPORTS PARK SUBDIVISION	3,455	3,067	-
	162984	SC5412	OFF OF OLD ALICE RD AND SPORTS PARK BLVD DEVELOPER INSTALLED IMPROVEMENTS	3,312	-	-

continued

**Capital Project Listing – FY 2021**  
**For All Carryover Projects**  
**Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
09/15/20	163099	WD5413	SAN JOSE SUBDIVISION	3,455	1,800	-
	163100	SC5413	OFF OF LAKESIDE BLVD / W 16TH STREET DEVELOPER INSTALLED IMPROVEMENTS	3,104	1,141	-
11/03/20	166484	WD5414	TRAILS VILLAGE SUBDIVISION	3,748	-	-
	166489	SC5414	2701 PAREDES LINE RD DEVELOPER INSTALLED IMPROVEMENTS	4,468	2,861	-
12/21/20	169416	WD5415	PALMETTO GROVE PHASE II SUBDIVISION,	3,070	2,422	179
	169417	SC5415	REPLAT NO. 2; OFF OF SOUTH DAKOTA AVENUE AND SOUTHMOST RD; DEVELOPER INSTALLED IMPROVEMENTS	3,809	3,161	179
01/13/21	170777	WD5416	LAGO VISTA SUBDIVISION, SECTION III	2,929	2,186	497
	170771	SC5416	OFF OF LAGO VISTA BLVD DEVELOPER INSTALLED IMPROVEMENTS	3,865	3,446	173
02/04/21	172200	WD5417	EL NARANJAL SUBDIVISION, SECTION XII	3,011	2,324	-
	172201	SC5417	OFF OF NARANJAL DR & TORONJA AVE DEVELOPER INSTALLED IMPROVEMENTS	3,217	2,380	151
02/10/21	172607	WD5418	EL NARANJAL SUBDIVISION, SECTION X	2,929	2,180	143
	172608	SC5418	OFF OF TORONJA AVE AND UVA LANE DEVELOPER INSTALLED IMPROVEMENTS	3,769	2,432	237
02/25/21	173540	WD5419	QUEENSLAND SUBDIVISION, SECTION 4	3,085	2,328	-
	173545	SC5419	OFF OF STAGECOACH TRAILS AND PIPER'S WALK DEVELOPER INSTALLED IMPROVEMENTS	3,459	-	2,703
03/18/21	174974	WD5420	ROSEWOOD ESTATES , SECTION 2 SUBDIVISION	4,323	3,131	654
	174980	SC5420	OFF OF FM 1732 / SUMMERHILL ROAD DEVELOPER INSTALLED IMPROVEMENTS	4,938	227	2,652
04/07/21	175912	WD5421	DE LOS REYES VILLA'S SECTION II SUBDIVISION	3,433	2,248	601
04/08/21	175913	SC5421	OFF OF DE LOS REYES DR / WELLINGTON DR DEVELOPER INSTALLED IMPROVEMENTS	4,539	3,354	601
04/15/21	176407	WD5422	LA'MORE APARTMENTS WATERLINE EXTENSION ON VERMILLION ROAD DEVELOPER INSTALLED IMPROVEMENTS	3,474	1,808	1,666
05/03/21	177413	WD5423	PUNTO VALLE APARTMENTS 1100 E RUBEN TORRES BLVD DEVELOPER INSTALLED IMPROVEMENTS	2,468	-	775
05/03/21	177406	WD5424	LA JOLLA SUBDIVISION	2,772	-	2,393
	177408	SC5424	OFF OF CORIA STREET / MEDIA LUNA ROAD DEVELOPER INSTALLED IMPROVEMENTS	3,612	3,326	-
03/29/21	175578	WD5425	GARDEN WOODS SUBDIVISION, SECTION III	3,433	3,147	286
	175579	SC5425	OFF OF GARDEN WOODS AVENUE DEVELOPER INSTALLED IMPROVEMENTS	4,539	85	4,119
05/28/21	179137	WD5426	NORTHSTAR AT OLD ALICE ROAD	3,632	2,825	807
05/28/21	179144	SC5426	SUBDIVISION; OFF OF OLD ALICE ROAD DEVELOPER INSTALLED IMPROVEMENTS	4,153	1,790	2,363

continued



**Capital Project Listing – FY 2021**  
**For All Carryover Projects**  
**Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
06/14/21	180073	WD5427	SUMMER LAKE SUBDIVISION, PHASE I	4,323	4,323	-
06/14/21	180074	SC5427	OFF OF SUMMER HILL BLVD DEVELOPER INSTALLED IMPROVEMENTS	5,907	3,139	2,768
08/12/21	183325	WD5428	LAZY ACRES ESTATES SECTION 2	3,247	-	-
08/12/21	183330	SC5428	OFF OF LAZY ACRES RD DEVELOPER INSTALLED IMPROVEMENTS	3,247	-	-
09/15/21	184893	WD5429	TERRALTA DEVELOPMENT SUBDIVISION	3,781	-	-
09/15/21	184900	SC5429	OFF OF SOUTHMOST R / ALEXA DRIVE DEVELOPER INSTALLED IMPROVEMENTS	5,550	-	-
N/A	N/A	WD6000	EXPENDITURES FOR WATER METER VAULT REPLACEMENT PROJECT	11,922	-	63,078
02/19/21	152556 amended	WD6106	2020 CIP CONTRACT NO. 4 - ENGINEERING - CONSTRUCTION W LOS EBANOS BLVD - HONEYDALE TO EAST DRIVE CALLE GALAXIA - US 281 TO CALLE ESPACIO CALLE ESPACIO - CALLE GALAXIA TO CALLE PLUTON	19,578 566,552	3,372 562,933	4,399 1,230
06/16/21	180253	WD6108	JUBILEE BROWNSVILLE OFF OF MAIN ST. AND AMERICA DR. DEVELOPER INSTALLED IMPROVEMENTS	4,953	1,847	3,106
09/23/21	185352	WD6109	OUT OF THE PARK SUBDIVISION	1,372	-	-
05/12/21	178061	SC6109	OFF OF FM 802	20,518	20,518	-
N/A	N/A	SC9001	NEW CONNECTIONS-NO PROJ NUMBER ASSIGNED	224,521	-	272,807
N/A	N/A	WD9001	NEW CONNECTIONS-NO PROJ NUMBER ASSIGNED	414,450	-	70,560
05/28/15	33849 amended	SC9272	FM 511-802 COLONIA AREAS CONSTRUCTION	68,080	68,080	-
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	-
06/08/20	157047	SC9284	8" PVC SEWER LINE EXTENSION TO SERVE 1170 PAREDES LINE RD	2,468	442	-
03/01/21	173692	SC9286	2110 CENTRAL AVENUE WASTEWATER LINE EXTENSION OFF OF MAR STREET	14,632	2,042	-
02/22/21	120534 amended	WP2LTG	LED LIGHTING AT WATER PLANT 2 AT THE SEDIMENTATION BASIN	148,197	1,040	74,593
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

Continued

**Capital Project Listing – FY 2021**  
**For All Carryover Projects**  
**Future Debt Bond Proceeds Projects (Commercial Paper Fund 405) – Continued**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
N/A	N/A	N/A	WATER MAIN REPLACEMENTS RELATED TO CITY STREET PAVING AND DRAINAGE IMPROVEMENT PROJECTS	-	-	131,170
N/A	N/A	N/A	NEW RAW WATER RIVER INTAKE FACILITY	-	-	600,000
N/A	N/A	N/A	SWWTP DIGESTER TANKS 1 AND 2 STRUCTURAL REHABILITATION	-	-	100,000
N/A	N/A	N/A	LIFT STATION NO. 65A PUMP REPLACEMENT	-	-	62,000
N/A	N/A	N/A	LIFT STATION NO. 65 B PUMP REPLACEMENT	-	-	64,000
CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ 14,036,592	\$ 6,441,491	\$ 9,915,568
ELECTRIC UTILITY TOTAL:				\$ 553,149	\$ 443,525	\$ 3,651,290
GENERAL & ADMINISTRATIVE UTILITY:				5,500,000	1,370,715	1,271,512
WATER UTILITY TOTAL:				2,605,047	952,459	2,221,051
WASTEWATER UTILITY TOTAL:				5,378,396	3,674,792	2,771,715
OVERALL COMMERCIAL PAPER FUND TOTAL				\$ <u>14,036,592</u>	\$ <u>6,441,491</u>	\$ <u>9,915,568</u>

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**Capital Project Listing – FY 2021  
For All Carryover Projects  
Impact Fees Fund Projects (Fund 410)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
02/12/19	81898 amended	WD1022	16-INCH WATERLINE LOOP FROM W. ALTON GLOOR BLVD TO LAGO VISTA	324,736	317,525	2,097,149
03/03/21	173899	WD1289	BOCA CHICA BLVD WATERLINE UPGRADE FROM INTERNATIONAL BLVD TO OWENS ROAD	99,219	48,570	33,437
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	45,348	32,872	1,454,795
N/A	N/A	N/A	WATERLINE UPGRADE ON SOUTHMOST BLVD FROM OLD EST 4 SITE TO LIMA ST	-	-	250,000
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 (SH 48 TO BOCA CHICA BLVD)	-	-	100,000
N/A	N/A	N/A	MARTINAL AREA WATERLINE SYSTEM LOOP	-	-	165,000
N/A	N/A	N/A	FM 511 24-INCH WATERLINE LOOP (SRWA TO OLD PORT ISABEL RD)	-	-	803,200
CARRYOVER CONSTRUCTION PROJECT TOTAL				\$ 469,303	\$ 398,967	\$ 5,624,581
WATER UTILITY TOTAL:				\$ 423,955	\$ 366,095	\$ 4,169,786
WASTEWATER UTILITY TOTAL:				45,348	32,872	1,454,795
OVERALL IMPACT FEES FUND TOTAL				\$ 469,303	\$ 398,967	\$ 5,624,581

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**Capital Project Listing – FY 2021  
For All Carryover Projects  
Grant Proceeds (Fund 200)**

DATE OPENED	WORK ORDER #	ACTIVITY	DESCRIPTION	FY 2021 BEGINNING BALANCE	FY 2021 ENDING BALANCE	DEFERRED BUDGET
05/28/15	33849 amended	SC9272	FM 511-802 COLONIA AREAS	-	-	-
12/16/20	140603 amended	WD1226	INSTALLING FIRST TIME WATER SERVICE TO RESIDENTS OF TORRES ROAD EAST OF MILITARY HWY 281	100,000	-	7,948
CARRYOVER PROJECT TOTAL				\$ 100,000	\$ -	\$ 7,948
WATER UTILITY TOTAL:				\$ -	\$ -	\$ -
WASTEWATER UTILITY TOTAL:				100,000	-	7,948
OVERALL GRANTS FUND TOTAL				\$ 100,000	\$ -	\$ 7,948

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# ***GRANTS***

**Grant Schedule  
As of September 30, 2021**

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) THROUGH TEXAS COMMISSION ON ENVIRONMENTAL QUALITY Town Resaca Watershed</b>								
			<b>582-20-11819</b>		<b>RESTOR</b>			
CFDA # 21.015	2/28/2020	10/31/2023	4,680,939	4,680,939		\$ 36,390	\$ 36,390	\$ -
			<b>\$ 4,680,939</b>	<b>\$ 4,680,939</b>		<b>\$ 36,390</b>	<b>\$ 36,390</b>	<b>\$ -</b>
<b>FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) THROUGH TEXAS DIVISION OF EMERGENCY MANAGEMENT Brownsville PUB Hazard Mitigation Plan Update</b>								
			<b>061-UFXGR-00</b>		<b>HMP021</b>			
CFDA # 97.039	4/20/2021	1/13/2024	75,067	57,050		\$ -	\$ -	\$ -
			<b>\$ 75,067</b>	<b>\$ 57,050</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Total Expenditures and Disbursements of Federal Awards</b>						<b>\$ 36,390</b>	<b>\$ 36,390</b>	
<b>STATE FINANCIAL ASSISTANCE</b>								
<b>TEXAS WATER DEVELOPMENT BOARD Program: Economically Distressed Areas Program FM511-802 Colonia (CONSTRUCTION)</b>								
			<b>10344</b>		<b>SC9272</b>			
G120010	4/19/2012	6/30/2015	\$ 25,497,000	\$ 24,505,000		\$ 23,525,433	\$ 23,525,433	\$ -
L120029				840,000		840,000	840,000	-
			<b>\$ 25,497,000</b>	<b>\$ 25,345,000</b>		<b>\$ 24,365,433</b>	<b>\$ 24,365,433</b>	<b>\$ -</b>
<b>Total Expenditures and Disbursements of State Awards</b>						<b>\$ 24,365,433</b>	<b>\$ 24,365,433</b>	

Note: The Texas Water Development Board program remains open. There were no expenditures in FY 2021.

continued

**Grant Schedule**  
**As of September 30, 2021 - 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>		N/A		MRETN			
MILLENIAL RETENTION	4/1/2017	3/31/2021	\$ 20,000	\$ 20,000	\$ 10,114	\$ 10,114	\$ -
			<b>\$ 20,000</b>	<b>\$ 20,000</b>	<b>\$ 10,114</b>	<b>\$ 10,114</b>	<b>\$ -</b>
<b>DEMONSTRATION OF ENERGY &amp; EFFICIENCY DEVELOPMENTS (DEED)</b>		N/A					
CS-2300:Operations Graduate Engineer Intern	5/1/2020	8/31/2021	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ -
			<b>\$ 4,000</b>	<b>\$ 4,000</b>	<b>\$ 4,000</b>	<b>\$ 4,000</b>	<b>\$ -</b>
<b>Valley Baptist Legacy Foundation</b>		N/A		WD1226			
Healthy Lifestyle (Water System Improvements)	7/23/2019	12/30/2021	\$ 323,350	\$ 100,000	\$ 100,000	\$ 100,000	\$ -
			<b>\$ 323,350</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ -</b>
Total Expenditures and Disbursements of Local Awards					<b>\$ 114,114</b>	<b>\$ 114,114</b>	
Total Expenditures and Disbursements of Federal, State, Local Awards and TWDB Bonds					<b>\$ 24,515,937</b>	<b>\$ 24,515,937</b>	

# ***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.	446
<b>Glossary</b>	
This schedule includes any terminology (including abbreviations and acronyms) that are not readily understandable.	453
<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.	463
<b>Revenue Capacity</b>	
These schedules contain information to help the reader access the Brownsville PUB's local revenue source.	467
<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.	472
<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.	474
<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.	483

## ***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 52,592 customers and serves a peak load of 282.68 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 701 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 5.93% 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 31,522.46 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.

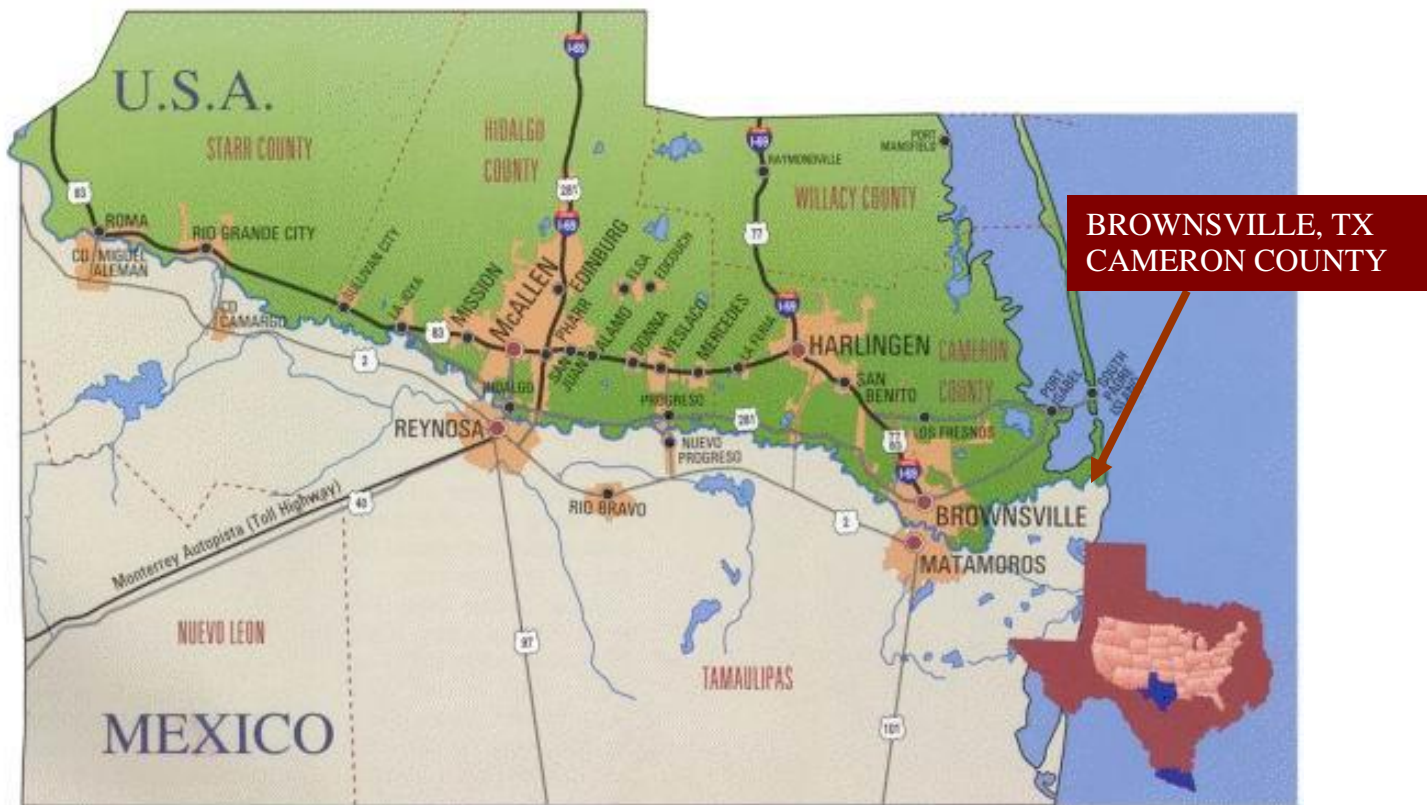
The City is located about 25 miles inland from the Gulf of Mexico, on the north bank of the Rio Grande River. Brownsville lies across the river from Matamoros, Mexico. The two cities are joined by three international bridges, and serve as a trade center for much of the Lower Rio Grande Valley.

According to the U.S. Census Bureau, Brownsville's estimated population for 2020 was 186,738. The demographics of Brownsville's population can be summed up as young and fast growing. The median age is 30.6 years versus a national average of 38.5 years. Approximately 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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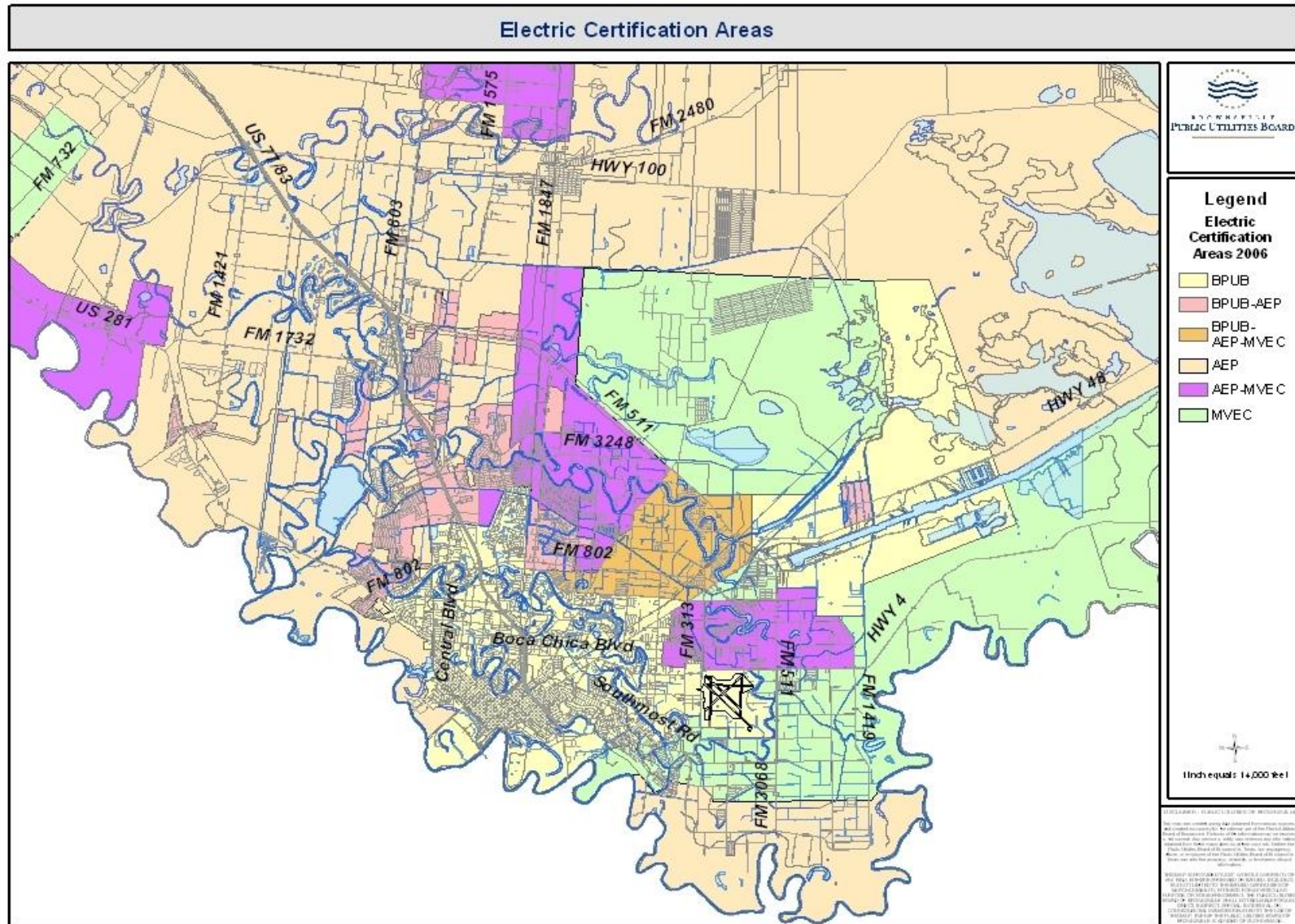
**MAP INDICATING WHERE BROWNSVILLE PUB IS LOCATED**



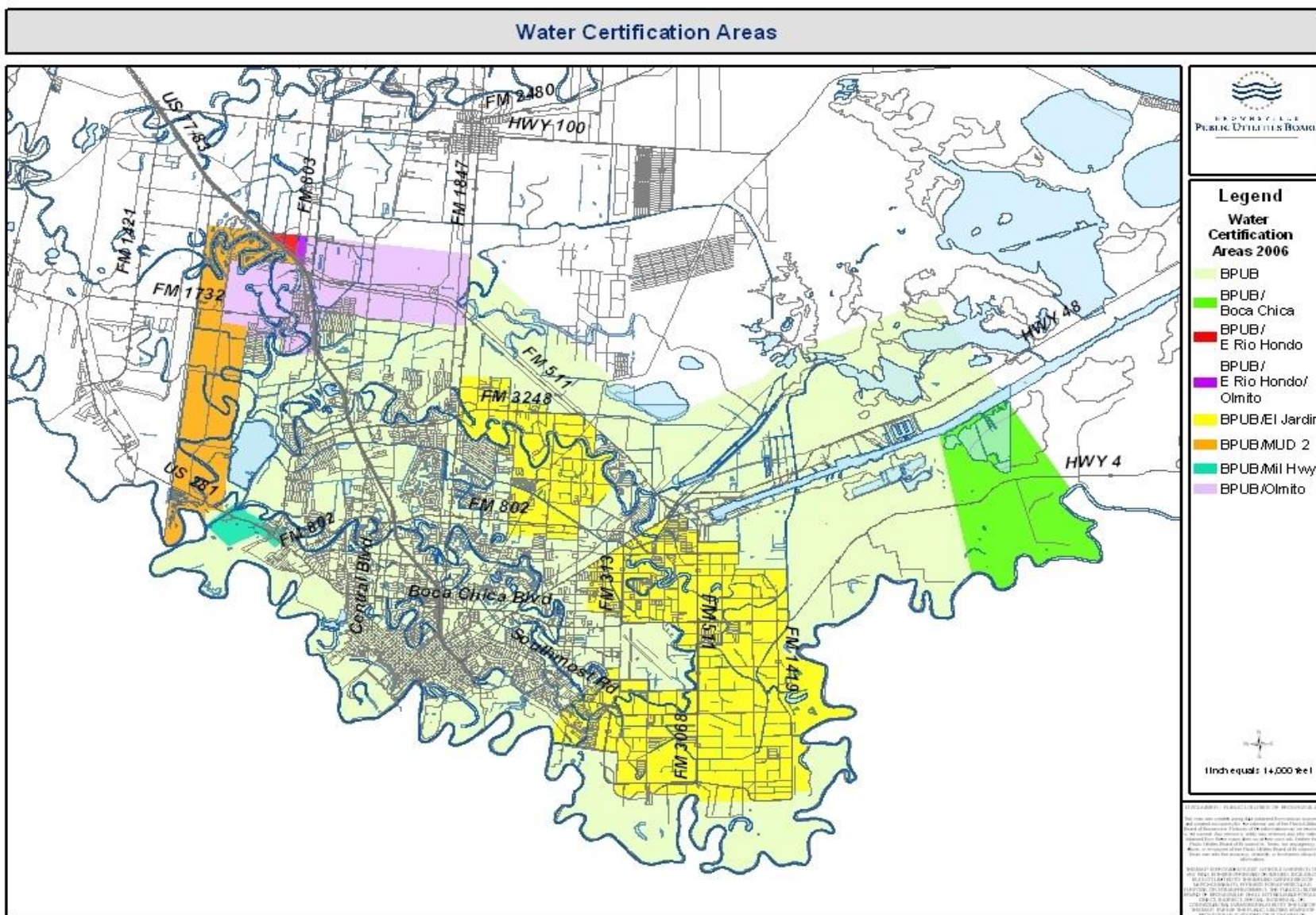
Note: The above map is provided for geographical reference purposes only. BPUB's service area is in Brownsville, Cameron County, Texas and does not include Mexico.



## SERVICE AREA MAPS – ELECTRIC

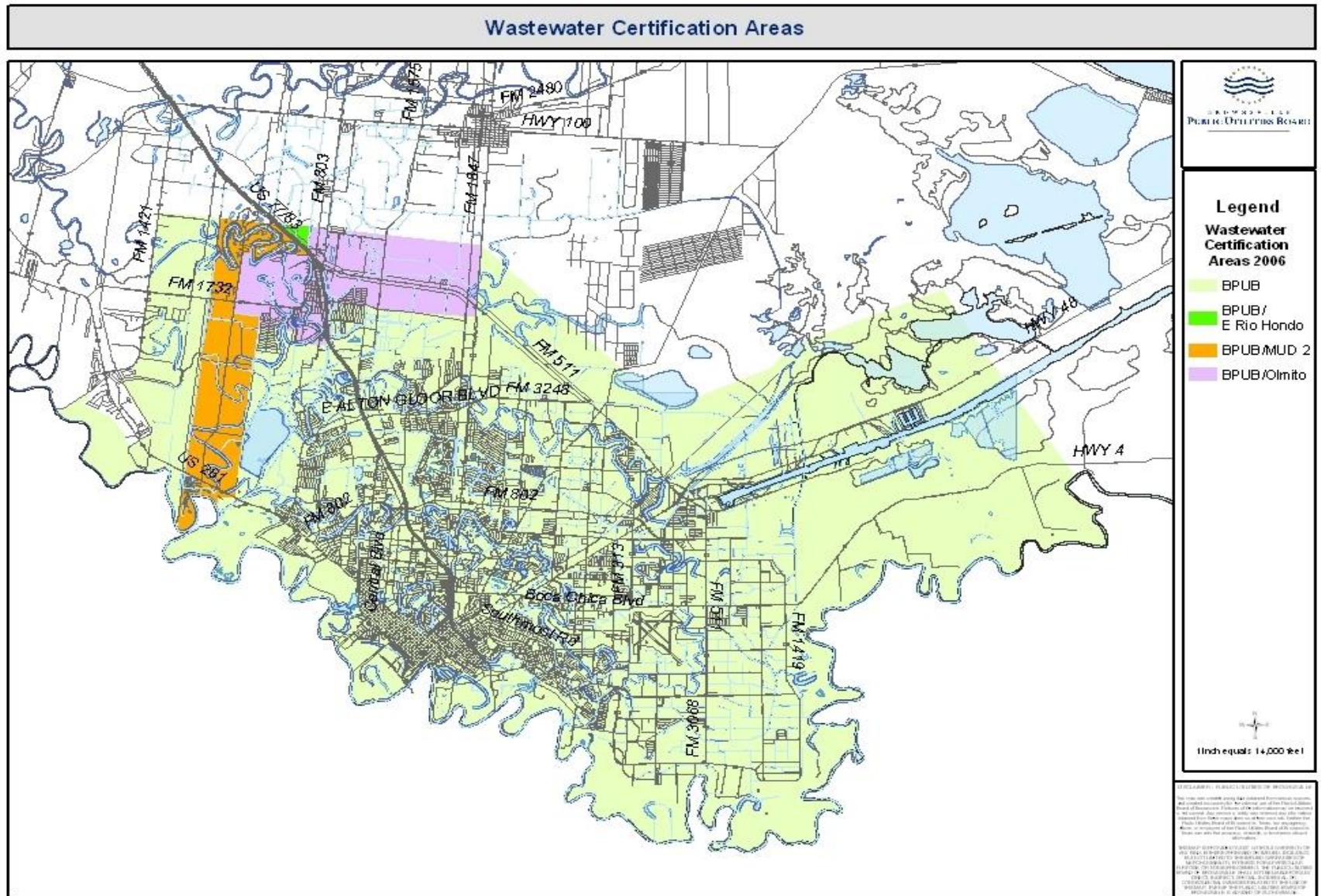


## SERVICE AREA MAP – WATER





## 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>2020</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>
Current assets:					
Cash and cash equivalents	\$ 26,994,421	\$ 11,422,405	\$ 8,725,046	\$ 17,780,938	\$ 13,866,339
Investments	28,376,644	40,147,048	37,525,124	34,478,780	32,902,513
Receivables:					
Fees and services, net of allowance for uncollectible accounts	28,285,803	27,929,949	25,771,130	24,508,993	26,884,759
Intergovernmental	411,421	411,421	683,514	604,840	1,031,803
Contract receivable	301,682				
Accrued interest receivable	15,000,000	870,547	664,697	352,443	290,539
Fuel cost under-recovery	1,578,272	4,056,112	-	-	-
Inventories	6,243,580	8,517,277	9,821,443	9,298,749	10,722,092
Prepays	976,308	662,650	749,246	1,039,157	1,237,627
Total unrestricted current assets	<u>108,168,131</u>	<u>94,017,409</u>	<u>83,940,200</u>	<u>88,063,900</u>	<u>86,935,672</u>
Current restricted assets:					
Cash and cash equivalents	48,383	9,000	9,000	7,133,368	3,741,927
Investments	39,273,595	40,847,170	36,006,623	147,966,425	145,626,918
Total restricted current assets	<u>39,321,978</u>	<u>40,856,170</u>	<u>36,015,623</u>	<u>155,099,793</u>	<u>149,368,845</u>
Total current assets	<u>147,490,109</u>	<u>134,873,579</u>	<u>119,955,823</u>	<u>243,163,693</u>	<u>236,304,517</u>
Non-current assets:					
Cash - restricted	3,048,955	1,087,112	1,210,893	-	-
Investments - restricted	119,938,881	120,433,786	120,013,425	-	-
Prepays	-	2,250,000	-	-	-
Contract Receivable	-	20,000,000	-	-	-
Capital assets, net of accumulated depreciation	587,613,737				
	22,746,859	616,997,331	637,087,106	634,289,707	641,099,073
Unamortized regulatory assets	2,420,578	2,026,118	2,233,891	2,443,254	2,532,550
Total non-current assets	<u>735,769,010</u>	<u>762,794,347</u>	<u>760,545,315</u>	<u>636,732,961</u>	<u>643,631,623</u>
Total assets	<u>\$ 883,259,119</u>	<u>\$ 897,667,926</u>	<u>\$ 880,501,138</u>	<u>\$ 879,896,654</u>	<u>\$ 879,936,140</u>
<b>Deferred Outflows of Resources</b>					
Deferred charge on refunding	23,945,549	17,711,381	19,064,475	19,852,284	20,993,617
Deferred charge - fuel cost under recovery	-	-	-	364,158	-
Deferred outflows related to pension	4,365,075	11,921,190	5,224,834	9,399,260	11,011,401
Deferred outflows related to OPEB	3,136,530	3,431,497	120,788	13,332	-
Total deferred outflows of resources	<u>31,447,154</u>	<u>33,064,068</u>	<u>24,410,097</u>	<u>29,629,034</u>	<u>32,005,018</u>
Total assets plus deferred outflows of resources	<u>\$ 914,706,273</u>	<u>\$ 930,731,994</u>	<u>\$ 904,911,235</u>	<u>\$ 909,525,688</u>	<u>\$ 911,941,158</u>

continued

**BALANCE SHEETS - Continued**  
**September 30 - Audited**

<b>Liabilities</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>
Current liabilities:					
Accounts payable	\$ 22,496,556	\$ 20,334,034	\$ 17,931,703	\$ 16,201,137	\$ 16,229,882
Accrued vacation and sick leave	5,845,116	6,925,511	7,063,301	6,830,450	6,140,311
Due to primary government	3,994,072	4,310,490	3,276,018	3,104,705	2,748,853
Self insurance worker's compensation claims	118,877	335,374	116,232	122,571	90,870
Total unrestricted current liabilities	<u>32,454,621</u>	<u>31,905,409</u>	<u>28,387,254</u>	<u>26,258,863</u>	<u>25,209,916</u>
Current liabilities payable from restricted assets:					
Accounts payable and accrued liabilities	-	-	-	343,629	503,649
Accrued interest	926,807	1,043,882	1,086,109	1,124,920	1,169,743
Customer deposits	4,913,015	4,788,307	4,520,226	4,013,140	3,863,989
Current portion of revenue bonds payable	18,355,000	15,980,000	15,295,000	14,806,000	14,239,000
Commercial paper	-	37,500,000	20,000,000	14,000,000	7,000,000
Total current liabilities payable from restricted assets	<u>24,194,822</u>	<u>59,312,189</u>	<u>40,901,335</u>	<u>34,287,689</u>	<u>26,776,381</u>
Total current liabilities	<u>56,649,443</u>	<u>91,217,598</u>	<u>69,288,589</u>	<u>60,546,552</u>	<u>51,986,297</u>
Non-current liabilities:					
Revenue bonds payable net of unamortized premium and deferred refunding	316,423,606	279,325,462	297,585,319	314,612,871	331,348,392
Other post-employment benefits	23,461,920	27,443,626	22,305,496	21,776,739	8,674,722
Net pension liability	26,288,017	38,520,098	25,431,824	34,632,949	33,941,014
Self insurance worker's compensation claims	275,453	23,701	51,556	17,113	42,425
Total non-current liabilities	<u>366,448,996</u>	<u>345,312,887</u>	<u>345,374,195</u>	<u>371,039,672</u>	<u>374,006,553</u>
Total liabilities	<u>423,098,439</u>	<u>436,530,485</u>	<u>414,662,784</u>	<u>431,586,224</u>	<u>425,992,850</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	6,020,188	1,260,951	5,518,625	1,676,487	2,383,320
Deferred inflows related to OPEB	5,462,731	866,931	981,517	-	-
Total deferred inflows of resources	<u>11,482,919</u>	<u>24,377,882</u>	<u>6,718,954</u>	<u>1,676,487</u>	<u>2,686,398</u>
Total liability plus deferred inflows of resources	<u>434,581,358</u>	<u>460,908,367</u>	<u>421,381,738</u>	<u>433,262,711</u>	<u>428,679,248</u>
<b>Net position</b>					
Net investment in capital assets	298,269,059	301,903,252	323,271,263	311,666,705	310,655,228
Restricted	153,901,826	154,411,120	149,427,826	149,407,127	143,796,243
Unrestricted	27,954,030	13,509,255	10,830,408	15,189,145	28,810,439
Total net position	<u>480,124,915</u>	<u>469,823,627</u>	<u>483,529,497</u>	<u>476,262,977</u>	<u>483,261,910</u>
Total liabilities and net position	<u>\$ 914,706,273</u>	<u>\$ 930,731,994</u>	<u>\$ 904,911,235</u>	<u>\$ 909,525,688</u>	<u>\$ 911,941,158</u>

**FINANCIAL TRENDS**  
**STATEMENTS OF REVENUES, EXPENSES, AND CHANGES IN NET POSITION**  
**LAST TEN FISCAL YEARS**

	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
		Restated	Restated	Restated	Restated			Restated		
Operating revenues:										
Sales and services charges	223,461,644	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
Less Rate Stabilization	(20,400,000)	(21,500,000)	(25,900,000)	(24,200,000)	(10,525,000)					
Less utilities service to the City of Brownsville, Texas	(4,570,832)	(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)
Total operating revenues	198,490,812	206,313,099	193,718,577	192,048,389	192,221,111	202,957,757	187,221,751	166,172,315	165,571,254	168,082,558
Operating expenses:										
Purchased power and fuel	54,922,676	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
Personnel services	42,600,179	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
Materials and supplies	7,548,777	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
Repairs and maintenance	3,949,001	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
Contractual and other services	32,785,887	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
Depreciation	46,971,872	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
Total operating expenses	188,778,392	196,746,323	173,931,310	167,608,186	167,662,360	159,882,575	158,390,126	140,678,480	128,645,692	136,722,557
Operating income	9,712,420	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
Nonoperating revenues (expenses):										
Investment and interest income	2,639,908	5,183,994	3,328,846	1,703,055	1,202,314	841,219	532,650	564,334	672,133	628,698
Operating grant revenues	-	-	-	25,000	-	-	-	-	(15,579,814)	(16,131,381)
Interest expense	(11,969,522)	(12,779,726)	(13,259,790)	(13,811,909)	(14,743,208)	(14,509,231)	(15,108,927)	(15,653,933)	-	-
Gain on retirement of assets	17,250,000	-	-	-	-	-	-	-	-	-
Gain (loss) on disposition of capital assets	(103,937)	(927,013)	282,315	(3,356,511)	(1,019,326)	(3,577,605)	(1,028,494)	(116,447)	(1,417,327)	(359,218)
Other	(513,241)	2,069,896	1,251,543	39,543	457,298	1,598,769	1,212,924	(1,483,565)	(581,763)	(2,157,129)
Project abandonment	-	(9,341,284)	-	-	-	-	-	-	-	-
Other payments to the City of Brownsville	(2,250,000)	-	-	-	-	-	-	-	-	-
Payments to City of Brownsville	(11,170,348)	(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)
Net nonoperating revenues (expenses)	(6,117,140)	(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)
Income before capital contributions	3,595,280	(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
Capital contributions	6,706,008	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
Change in net position	10,301,288	(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
Net position, beginning 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
Prior Period Adjustment	-	-	-	(12,256,994)	-	(12,843,303)	-	-	-	-
Net position, beginning of year as restated	469,823,627	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
Net position, end of year	480,124,915	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

Note: Rate stabilization was minimal in FY 2015 and prior years and was reported as an expense rather than as an offset of revenues.

## **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
2021	52,008	1.17%	53,114	1.50%	53,863	1.48%
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%

<sup>1</sup>Municipal customers not included in average number of services billed



**REVENUE CAPACITY  
REVENUES BY UTILITY - LAST TEN YEARS**

	<b>FY 2020</b>	<b>FY 2019</b>	<b>FY 2018</b>	<b>FY 2017</b>	<b>FY 2016</b>
<b>ELECTRIC</b>					
Residential	\$ 70,894,750	\$ 72,375,771	\$ 73,026,444	\$ 71,288,035	\$ 63,681,205
Commercial	68,041,652	74,732,579	74,781,316	74,770,246	68,559,278
Municipal	3,418,381	3,527,745	3,579,766	3,630,779	3,846,235
Wholesale sales	16,110,955	22,575,496	11,067,351	9,348,488	16,397,987
Other	14,369,813	9,392,170	11,222,724	11,593,857	7,458,124
<i>Total Electric Operating Revenues</i>	<u>\$ 172,835,551</u>	<u>\$ 182,603,761</u>	<u>\$ 173,677,601</u>	<u>\$ 170,631,405</u>	<u>\$ 159,942,829</u>
<b>WATER</b>					
Inside city	\$ 24,086,514	\$ 23,472,024	\$ 24,048,925	\$ 23,879,301	\$ 21,796,229
Outside city	909,574	872,649	848,947	873,877	811,938
Municipal	734,648	632,528	643,536	668,247	624,615
Other	653,579	1,019,821	998,603	1,029,823	1,111,918
Southmost Regional Water Authority	489,168	489,743	490,392	480,808	466,928
<i>Total Water Operating Revenues</i>	<u>\$ 26,873,483</u>	<u>\$ 26,486,765</u>	<u>\$ 27,030,403</u>	<u>\$ 26,932,056</u>	<u>\$ 24,811,628</u>
<b>WASTEWATER</b>					
Residential	\$ 14,378,518	\$ 13,616,485	\$ 14,033,891	\$ 14,021,992	\$ 13,728,898
Commercial	7,065,343	7,236,716	7,129,594	7,141,687	6,949,099
Municipal	417,803	327,825	325,425	330,087	333,262
Outside city	1,558,927	1,501,463	1,416,201	1,258,935	1,208,890
Other	332,019	528,182	554,186	561,340	575,617
<i>Total Wastewater Operating Revenues</i>	<u>\$ 23,752,610</u>	<u>\$ 23,210,671</u>	<u>\$ 23,459,297</u>	<u>\$ 23,314,041</u>	<u>\$ 22,795,766</u>
<b>TOTAL SALES AND SERVICE CHARGES</b>	<u><u>\$ 223,461,644</u></u>	<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>

	<b>FY 2015</b>	<b>FY 2014</b>	<b>FY 2013</b>	<b>FY 2012</b>	<b>FY 2011</b>
<b>ELECTRIC</b>					
Residential	\$ 64,980,210	\$ 63,035,376	\$ 51,861,710	\$ 48,562,146	\$ 50,187,194
Commercial	71,696,062	68,505,305	59,576,916	54,952,907	55,235,857
Municipal	4,035,358	3,916,022	3,336,413	3,157,165	3,454,302
Wholesale sales	12,182,728	921,782	237,173	605,125	3,124,675
Other	9,325,630	9,792,100	8,925,031	16,626,285	15,491,119
<i>Total Electric Operating Revenues</i>	<u>\$ 162,219,988</u>	<u>\$ 146,170,585</u>	<u>\$ 123,937,243</u>	<u>\$ 123,903,628</u>	<u>\$ 127,493,147</u>
<b>WATER</b>					
Inside city	\$ 20,340,255	\$ 20,594,551	\$ 20,333,223	\$ 20,389,340	\$ 19,901,457
Outside city	777,023	766,496	735,224	699,401	675,821
Municipal	514,875	618,616	617,202	686,274	587,860
Other	1,342,068	1,162,867	1,054,328	1,032,247	1,140,972
Southmost Regional Water Authority	447,797	488,079	1,023,081	428,572	367,143
<i>Total Water Operating Revenues</i>	<u>\$ 23,422,018</u>	<u>\$ 23,630,609</u>	<u>\$ 23,763,058</u>	<u>\$ 23,235,834</u>	<u>\$ 22,673,253</u>
<b>WASTEWATER</b>					
Residential	\$ 13,251,741	\$ 13,578,070	\$ 14,135,642	\$ 14,128,726	\$ 13,858,701
Commercial	6,841,017	6,712,829	6,734,506	6,713,307	6,565,949
Municipal	259,508	304,992	320,569	384,562	236,123
Outside city	1,181,106	1,087,237	1,050,009	984,754	1,042,823
Other	592,120	577,059	505,472	448,444	490,847
<i>Total Wastewater Operating Revenues</i>	<u>\$ 22,125,492</u>	<u>\$ 22,260,187</u>	<u>\$ 22,746,198</u>	<u>\$ 22,659,793</u>	<u>\$ 22,194,443</u>
<b>TOTAL SALES AND SERVICES CHARGES</b>	<u><u>\$ 207,767,498</u></u>	<u><u>\$ 192,061,381</u></u>	<u><u>\$ 170,446,499</u></u>	<u><u>\$ 169,799,255</u></u>	<u><u>\$ 172,360,843</u></u>

**REVENUE CAPACITY**  
**UNIT SALES BY UTILITY - LAST TEN YEARS <sup>1</sup>**

	<b>FY 2020</b>	<b>FY 2019</b>	<b>FY 2018</b>	<b>FY 2017</b>	<b>FY 2016</b>
<b>ELECTRIC SERVICE (kWh)</b>					
Residential	602,596,573	574,129,413	588,862,015	578,938,532	564,931,382
Commercial Non-Demand	133,567,871	136,405,829	136,319,294	139,381,802	135,844,893
Municipal	37,050,431	38,460,445	39,237,875	39,785,043	39,500,507
Commercial Demand	514,989,472	538,476,727	552,028,532	560,113,317	557,349,627
Other	2,251,157	2,266,542	2,390,778	2,478,672	2,403,423
<i>Total Electric Unit Sales</i>	<u>1,290,455,504</u>	<u>1,289,738,956</u>	<u>1,318,838,494</u>	<u>1,320,697,366</u>	<u>1,300,029,832</u>
<b>WATER SERVICE - 1,000 GALLONS</b>					
Inside City	5,730,053	5,435,140	5,743,114	5,832,446	5,560,741
Outside City	162,528	151,259	158,189	157,297	155,104
Municipal	197,883	157,429	162,477	167,724	158,741
Other	569,787	552,631	588,476	525,154	465,077
<i>Total Water Unit Sales</i>	<u>6,660,251</u>	<u>6,296,459</u>	<u>6,652,256</u>	<u>6,682,621</u>	<u>6,339,663</u>
<b>WASTEWATER SERVICE - 1,000 GALLONS</b>					
Residential	2,807,846	2,592,457	2,745,874	2,804,793	2,709,033
Commercial	1,642,002	1,656,999	1,649,892	1,662,288	1,601,296
Municipal	101,107	76,897	76,447	77,545	78,448
Outside City	116,852	107,474	111,471	123,065	111,277
Other	-	-	-	-	-
<i>Total Wastewater Unit Sales</i>	<u>4,667,807</u>	<u>4,433,827</u>	<u>4,583,684</u>	<u>4,667,691</u>	<u>4,500,054</u>
	<b>FY 2015</b>	<b>FY 2014</b>	<b>FY 2013</b>	<b>FY 2012</b>	<b>FY 2011</b>
<b>ELECTRIC SERVICE</b>					
Residential	551,304,652	567,334,136	533,303,461	550,169,186	550,421,195
Commercial Non-Demand	128,892,385	132,918,707	134,939,048	136,833,986	136,117,506
Municipal	38,995,522	39,371,016	38,895,227	38,876,114	39,038,235
Commercial Demand	554,994,514	558,708,943	570,125,749	577,866,685	552,274,846
Other	2,227,059	2,226,006	2,232,972	2,234,448	2,188,674
<i>Total Electric Unit Sales</i>	<u>1,276,414,132</u>	<u>1,300,558,808</u>	<u>1,279,496,457</u>	<u>1,305,980,419</u>	<u>1,280,040,456</u>
<b>WATER SERVICE</b>					
Inside City	5,281,931	5,753,783	6,294,433	6,269,037	6,431,432
Outside City	148,956	155,398	161,450	150,957	159,187
Municipal	122,006	176,477	189,804	223,176	190,732
Other	461,178	506,676	555,452	582,502	576,616
<i>Total Water Unit Sales</i>	<u>6,014,071</u>	<u>6,592,334</u>	<u>7,201,139</u>	<u>7,225,672</u>	<u>7,357,967</u>
<b>WASTEWATER SERVICE</b>					
Residential	2,554,154	2,795,399	3,036,404	3,024,487	3,102,690
Commercial	1,560,177	1,604,591	1,677,306	1,659,010	1,703,770
Municipal	58,998	74,464	80,169	98,579	60,720
Outside City	106,175	118,228	122,924	118,546	125,817
Other	-	-	3,671	6,197	6,861
<i>Total Wastewater Unit Sales</i>	<u>4,279,504</u>	<u>4,592,682</u>	<u>4,920,474</u>	<u>4,906,819</u>	<u>4,999,858</u>

<sup>1</sup> Excludes Public Utilities Board's usage

**REVENUE CAPACITY  
TEN YEAR RATE ANALYSIS  
RESIDENTIAL RATES**

	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
<b>ELECTRIC <sup>1</sup></b>										
Customer Service Charge	\$ 6.94	\$ 6.94	\$ 6.94	\$ 6.94	\$ 6.94	\$ 6.49	\$ 6.01	\$ 5.62	\$ 5.25	\$ 3.53
Energy Charge										
First 500 kWh	\$ 0.05420	\$ 0.05420	\$ 0.05420	\$ 0.05420	\$ 0.05420	\$ 0.05241	\$ 0.05022	\$ 0.04862	\$ 0.04708	\$ 0.04708
Over 500 kWh	0.07688	0.07688	0.07688	0.07688	0.07688	0.07058	0.06458	0.05964	0.05479	0.05152
Fuel & Purchased Power	0.02952	0.02952	0.02952	0.02952	0.02952	0.03401	0.04500	0.05096	0.04000	0.03200
<b>WATER (Inside City) <sup>2</sup></b>										
0-3,000 gallons	\$ 1.98	\$ 1.98	\$ 1.98	\$ 1.98	\$ 1.98	\$ 1.87	\$ 1.80	\$ 1.73	\$ 1.63	\$ 1.63
4,000-9,000 gallons	2.19	2.19	2.19	2.19	2.19	2.07	1.99	1.91	1.80	1.80
10,000 to 16,000 gallons	2.70	2.70	2.70	2.70	2.70	2.55	2.45	2.36	2.23	2.23
Over 16,000 gallons	4.08	4.08	4.08	4.08	4.08	3.85	3.70	3.56	3.36	3.36
Customer Service Charge										
5/8x3/4 Water Meter Size	\$ 12.06	\$ 12.06	\$ 12.06	\$ 12.06	\$ 12.06	\$ 11.38	\$ 10.94	\$ 10.52	\$ 9.93	\$ 9.93
<b>WATER (Outside City) <sup>2</sup></b>										
0-3,000 gallons	\$ 2.97	\$ 2.97	\$ 2.97	\$ 2.97	\$ 2.97	\$ 2.81	\$ 2.70	\$ 2.68	\$ 2.65	\$ 2.65
4,000-9,000 gallons	3.29	3.29	3.29	3.29	3.29	3.11	2.98	2.95	2.93	2.93
10,000 to 16,000 gallons	4.05	4.05	4.05	4.05	4.05	3.83	3.68	3.10	3.05	3.05
Over 16,000 gallons	6.12	6.12	6.12	6.12	6.12	5.78	5.55	4.60	4.56	4.56
Customer Service Charge										
5/8 x 3/4 Water Meter Size	\$ 18.12	\$ 18.12	\$ 18.12	\$ 18.12	\$ 18.12	\$ 17.09	\$ 16.43	\$ 15.80	\$ 14.90	\$ 14.90
<b>SEWER (Inside City) <sup>3</sup></b>										
0-7,000 gallons	\$ 3.43	\$ 3.43	\$ 3.43	\$ 3.43	\$ 3.43	\$ 3.43	\$ 3.43	\$ 3.30	\$ 3.29	\$ 3.29
over 7,000 gallons	3.76	3.76	3.76	3.76	3.76	3.76	3.76	3.62	3.57	3.57
Customer Service Charge										
5/8 x 3/4 Water Meter Size	\$ 7.48	\$ 7.48	\$ 7.48	\$ 7.48	\$ 7.48	\$ 7.48	\$ 7.48	\$ 7.19	\$ 7.17	\$ 7.17
<b>SEWER (Outside City)</b>										
Rate per 1,000 gallons	\$ 5.65	\$ 5.65	\$ 5.65	\$ 5.65	\$ 5.65	\$ 5.65	\$ 5.65	\$ 5.43	\$ 5.36	\$ 5.36
Customer Service Charge										
5/8 x 3/4 Water Meter Size	\$ 11.22	\$ 11.22	\$ 11.22	\$ 11.22	\$ 11.22	\$ 11.22	\$ 11.22	\$ 10.79	\$ 10.75	\$ 10.75

<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 2020	FY 2019	FY 2018	FY 2017	FY 2016
OPERATING INCOME	\$28,434,506	\$29,644,124	\$44,488,073	\$46,967,688	\$33,093,794
ADD:					
Depreciation Expense	45,684,434	47,613,572	29,536,134	28,949,302	28,132,537
Investment & Other Income	2,525,819	4,954,356	3,194,311	1,639,117	1,163,964
LESS:					
Interest on Construction Funds	(432,928)	(857,976)	(404,545)	(178,972)	(193,527)
NET AVAILABLE INCOME	<u>\$76,211,831</u>	<u>\$81,354,076</u>	<u>\$76,813,973</u>	<u>\$77,377,135</u>	<u>\$62,196,768</u>
DEBT SERVICE:					
Revenue Bonds Payable Current	\$14,545,000	\$13,870,000	\$13,456,000	\$12,914,000	\$12,173,000
Total Interest Expense	10,947,307	11,453,972	12,171,696	12,808,172	13,747,956
Commercial Paper Interest Expense	451,484	442,758	167,579	55,636	17,902
NET CASH DEBT SERVICE	<u>\$25,943,791</u>	<u>\$25,766,730</u>	<u>\$25,795,275</u>	<u>\$25,777,808</u>	<u>\$25,938,858</u>
DEBT SERVICE COVERAGE (TIMES)	2.94	3.16	2.98	3.00	2.40

	FY 2015	FY 2014	FY 2013	FY 2012	FY 2011
OPERATING INCOME	\$41,883,847	\$27,256,483	\$21,947,648	\$32,747,013	\$27,225,798
ADD:					
Depreciation Expense	28,642,402	27,544,181	26,503,185	22,739,173	27,407,627
Investment & Other Income	815,942	504,537	546,098	654,057	611,866
LESS:					
Interest on Construction Funds	(128,019)	(94,376)	(8,823)	(13,501)	(41,141)
NET AVAILABLE INCOME	<u>\$71,214,172</u>	<u>\$55,210,825</u>	<u>\$48,988,108</u>	<u>\$56,126,742</u>	<u>\$55,204,150</u>
DEBT SERVICE:					
Revenue Bonds Payable Current	\$12,066,000	\$10,100,000	\$8,649,000	\$8,277,000	\$7,856,000
Total Interest Expense	13,538,613	14,275,285	15,310,103	14,399,174	14,829,065
Commercial Paper Interest Expense	13,671	5,929	14,356	39,891	36,668
NET CASH DEBT SERVICE	<u>\$25,618,284</u>	<u>\$24,381,214</u>	<u>\$23,973,459</u>	<u>\$22,716,065</u>	<u>\$22,721,733</u>
DEBT SERVICE COVERAGE (TIMES)	2.78	2.26	2.04	2.47	2.43

<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>
2018	186,646	423,908
2019	186,646	423,908
2020	186,738	421,017

<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	University of Texas Rio Grande Valley	Higher Education	1830
3	Cameron County	Government	1780
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	Valley Baptist Medical Center	Medical Healthcare	841
9	Wal-Mart <sup>2</sup>	Retail	818
10	Valley Regional Medical Center	Medical Healthcare	750

**Sources:**

<sup>1</sup> Fy 2020 HEB corporate office unwilling to disclose updated employee count

<sup>2</sup> Fy 2020 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 and charter schools ranging from kindergarten through high school available in the City.

## **SECONDARY EDUCATION**

There are multiple institutions of higher education within a 60-mile radius of the City.

The University of Texas Rio Grande Valley has main campuses in Brownsville and Edinburg. UTRGV is a global innovator in higher education, bilingual education, health education, biomedical research, and emerging technology.

Texas Southmost College, located in Brownsville, was originally established in 1926. It currently offers the first two years toward a bachelor's degree, along with career and technical education leading to certificates and associate degrees, college preparatory studies to prepare students for college-level work, workforce training, and continuing education.

Texas State Technical Institute ("TSTC"), located in Harlingen (25 miles from the City), 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.

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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
2020	186,738	16,551	3,090,701	30.6	65.4%-High School 18.9%-Bachelor's Degree	42,989	7.90%
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%

\*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**

	FY 2020	FY 2019 Restated	FY 2018 Restated	FY 2017 Restated	FY 2016 Restated
<b>ELECTRIC</b>					
Generation and Purchases for Resale	\$ 69,918,239	\$ 74,796,747	\$ 74,337,732	\$ 70,496,415	\$ 63,120,545
Transmission and Distribution	8,376,963	7,382,752	7,130,981	6,965,840	6,912,082
Administrative and General	32,736,695	32,546,901	28,859,842	29,431,623	34,583,521
Rate Stabilization	-	-	-	-	-
Depreciation	30,072,347	33,556,217	15,978,408	15,986,715	15,069,917
Total Electric Operating Expenses	<u>\$ 141,104,244</u>	<u>\$ 148,282,617</u>	<u>\$ 126,306,963</u>	<u>\$ 122,880,593</u>	<u>\$ 119,686,065</u>
<b>WATER</b>					
Plant Operations	\$ 5,311,778	\$ 5,222,708	\$ 5,782,746	\$ 4,427,577	\$ 5,129,025
Transmission and Distribution	3,559,242	3,324,018	3,416,818	3,260,832	3,082,104
Administrative and General	5,817,008	6,507,019	6,411,935	6,126,023	7,250,855
Depreciation	5,922,981	5,111,179	5,039,447	4,894,699	5,116,669
Total Water Operating Expenses	<u>\$ 20,611,009</u>	<u>\$ 20,164,924</u>	<u>\$ 20,650,946</u>	<u>\$ 18,709,131</u>	<u>\$ 20,578,653</u>
<b>WASTEWATER</b>					
Plant Operations	\$ 6,551,461	\$ 7,210,932	\$ 6,774,909	\$ 6,530,394	\$ 6,526,539
Transmission and Distribution	741,446	830,075	808,444	772,747	837,287
Administrative and General	5,440,147	6,594,912	6,049,418	6,051,881	7,667,223
Depreciation	9,689,106	8,946,176	8,518,279	8,067,888	7,945,949
Total Wastewater Operating Expenses	<u>\$ 22,422,160</u>	<u>\$ 23,582,095</u>	<u>\$ 22,151,050</u>	<u>\$ 21,422,910</u>	<u>\$ 22,976,998</u>
<b>SOUTHMOST REGIONAL WATER AUTHORITY</b>					
Administration and General	\$ 3,353,539	\$ 3,440,425	\$ 3,572,989	\$ 3,351,035	\$ 3,489,520
Depreciation	1,287,437	1,276,262	1,250,362	1,244,517	931,124
Total SRWA Operating Expenses	<u>\$ 4,640,976</u>	<u>\$ 4,716,687</u>	<u>\$ 4,823,351</u>	<u>\$ 4,595,552</u>	<u>\$ 4,420,644</u>
<b>TOTAL OPERATING EXPENSES</b>	<u><u>\$ 188,778,389</u></u>	<u><u>\$ 196,746,323</u></u>	<u><u>\$ 173,932,310</u></u>	<u><u>\$ 167,608,186</u></u>	<u><u>\$ 167,662,360</u></u>
<b>OTHER NONOPERATING REVENUES (EXPENSES)<sup>1</sup></b>	<u><u>\$ 5,053,209</u></u>	<u><u>\$ (15,794,133)</u></u>	<u><u>\$ (8,397,086)</u></u>	<u><u>\$ (15,400,823)</u></u>	<u><u>\$ (14,102,922)</u></u>

<sup>1</sup> Excludes payments to the City of Brownsville

Note: FY19, FY18, FY17 and FY16 restated due to Rate Stabilization funds previously considered operating expenses now netted from revenues.



**OPERATING INFORMATION**  
**EXPENSES BY UTILITY – LAST TEN YEARS (continued)**

	FY 2015	FY 2014	FY 2013	FY 2012	FY 2011
<b>ELECTRIC</b>					
Generation and Purchases for Resale	\$ 72,523,667	\$ 73,010,092	\$ 58,343,217	\$ 54,353,235	\$ 60,519,100
Transmission and Distribution	6,499,004	6,284,873	6,305,706	6,347,120	5,464,375
Administrative and General	21,524,432	20,437,763	20,656,916	18,697,201	16,918,463
Rate Stabilization	-	-	-	-	-
Depreciation	14,887,881	14,768,870	14,793,412	13,373,507	16,331,733
Total Electric Operating Expenses	<u>\$ 115,434,984</u>	<u>\$ 114,501,598</u>	<u>\$ 100,099,251</u>	<u>\$ 92,771,063</u>	<u>\$ 99,233,671</u>
<b>WATER</b>					
Plant Operations	\$ 5,581,020	\$ 6,397,130	\$ 5,649,170	\$ 4,993,739	\$ 4,707,258
Transmission and Distribution	2,901,226	2,743,060	2,565,614	2,514,676	2,655,300
Administrative and General	5,141,431	5,325,225	4,748,131	4,081,484	3,961,827
Depreciation	5,622,967	5,543,534	5,345,962	3,766,336	3,941,128
Total Water Operating Expenses	<u>\$ 19,246,644</u>	<u>\$ 20,008,949</u>	<u>\$ 18,308,877</u>	<u>\$ 15,356,235</u>	<u>\$ 15,265,513</u>
<b>WASTEWATER</b>					
Plant Operations	\$ 6,417,406	\$ 6,656,181	\$ 6,138,037	\$ 5,967,684	\$ 6,117,905
Transmission and Distribution	1,160,632	920,364	764,006	804,846	967,001
Administrative and General	5,502,973	5,431,148	5,171,407	4,696,229	4,703,383
Depreciation	8,131,553	7,231,777	6,363,811	5,599,330	7,134,766
Total Wastewater Operating Expenses	<u>\$ 21,212,564</u>	<u>\$ 20,239,470</u>	<u>\$ 18,437,261</u>	<u>\$ 17,068,089</u>	<u>\$ 18,923,055</u>
<b>SOUTHMOST REGIONAL WATER AUTHORITY</b>					
Administration and General	\$ 3,123,518	\$ 2,775,244	\$ 2,970,231	\$ 2,587,656	\$ 2,437,963
Depreciation	864,865	864,865	862,860	862,649	862,355
Total SRWA Operating Expenses	<u>\$ 3,988,383</u>	<u>\$ 3,640,109</u>	<u>\$ 3,833,091</u>	<u>\$ 3,450,305</u>	<u>\$ 3,300,318</u>
<b>TOTAL OPERATING EXPENSES</b>	<u>\$ 159,882,575</u>	<u>\$ 158,390,126</u>	<u>\$ 140,678,480</u>	<u>\$ 128,645,692</u>	<u>\$ 136,722,557</u>
<b>OTHER NONOPERATING REVENUES (EXPENSES)</b>	<u>\$ (15,646,848)</u>	<u>\$ (14,391,847)</u>	<u>\$ (16,689,611)</u>	<u>\$ (16,906,771)</u>	<u>\$ (18,019,030)</u>

<sup>1</sup> Excludes payments to City of Brownsville

**OPERATING INFORMATION**  
**ELECTRIC ENERGY SOURCES, WATER AND WASTEWATER STATISTICS**  
**LAST TEN YEARS**

	FY 2021	FY 2020	FY 2019	FY 2018	FY 2017
<b>SOURCES OF ENERGY (kWh)</b>					
Total Net Energy Generated	926,706,204	1,231,824,938	1,350,866,264	1,224,415,215	1,202,079,235
Total Energy Purchased	974,035,691	336,912,190	186,542,500	295,731,900	328,964,400
<b>TOTAL SOURCES OF ENERGY</b>	1,900,741,895	1,568,737,128	1,537,408,764	1,520,147,115	1,531,043,635
Less: System Losses and					
Inadvertent Energy (kWh)	(29,116,701)	(29,241,337)	(25,542,731)	(27,039,952)	(24,589,310)
Net Available for Sale (kWh)	1,871,625,194	1,539,495,791	1,511,866,033	1,493,107,163	1,506,454,325
Sales for Resale (kWh)	(576,980,218)	(264,564,600)	(204,155,127)	(159,885,557)	(177,000,430)
<b>NET ENERGY FOR LOAD</b>	1,294,644,976	1,274,931,191	1,307,710,906	1,333,221,606	1,329,453,895
<b>WATER STATISTICS</b>					
<b>Water Production - 1,000 Gallons</b>					
Raw Water Treated	5,326,847	5,298,583	5,318,507	5,874,579	5,579,560
Raw Water Used in Plant	(200,208)	(244,219)	(265,051)	(207,020)	(119,670)
<b>Surface Water Treated</b>	5,126,639	5,054,364	5,053,456	5,667,559	5,459,890
SRWA (Purchased Water)*	2,340,149	2,537,831	2,482,556	2,495,123	2,440,611
<b>Water Pumped to City</b>	7,466,788	7,592,195	7,536,012	8,162,682	7,900,501
Water Sales	6,740,690	6,757,580	6,334,790	6,695,462	6,732,120
Other Unmetered Usage	50,564	114,398	255,969	165,736	155,286
Losses and Unaccounted for Gallonage	675,534	717,460	945,253	1,301,484	1,013,095
<b>Thousand Gallons to System</b>	7,466,788	7,589,438	7,536,012	8,162,682	7,900,501
<b>Unaccounted For</b>	9.00%	9.50%	12.54%	15.94%	12.82%
Average Daily Consumption	22,657	20,725	20,627	22,341	18,444
Peak Maximum Demand (MG)	25	27	27	30	34
Date	9/9/2021	7/20/2020	8/21/2019	8/20/2018	5/23/2017
<b>WASTEWATER STATISTICS</b>					
Annual Demand (1,000 Gals.)	5,339,312	5,240,443	5,269,519	5,300,889	5,370,043
Maximum Day (MG)	38.4	36.5	29.8	34.8	21.2

\* FY 2011 through FY 2021 Water Production includes Southmost Regional Water Authority Production.

**OPERATING INFORMATION**  
**ELECTRIC ENERGY SOURCES, WATER AND WASTEWATER STATISTICS**  
**LAST TEN YEARS (continued)**

	FY 2016	FY 2015	FY 2014	FY 2013	FY 2012
<b>SOURCES OF ENERGY (kWh)</b>					
Total Net Energy Generated	1,231,840,523	806,397,153	921,011,194	924,212,443	830,108,370
Total Energy Purchased	428,953,100	690,167,500	578,306,000	508,341,700	704,742,700
<b>TOTAL SOURCES OF ENERGY</b>	1,660,793,623	1,496,564,653	1,499,317,194	1,432,554,143	1,534,851,070
Less: System Losses and					
Inadvertent Energy (kWh)	(22,449,897)	(25,996,837)	(27,903,614)	(27,070,226)	-
Net Available for Sale (kWh)	1,638,343,726	1,470,567,816	1,471,413,580	1,405,483,917	1,534,851,070
Sales for Resale (kWh)	(316,499,025)	(29,993,800)	(12,239,700)	(5,915,000)	(48,313,210)
<b>NET ENERGY FOR LOAD</b>	1,321,844,701	1,440,574,016	1,459,173,880	1,399,568,917	1,486,537,860
<b>WATER STATISTICS</b>					
<b>Water Production - 1,000 Gallons</b>					
Raw Water Treated	5,301,156	5,216,966	5,888,490	6,611,306	6,742,810
Raw Water Used in Plant	(160,738)	(235,716)	(54,450)	(398,363)	(515,470)
<b>Surface Water Treated</b>	5,140,418	4,981,250	5,834,040	6,212,943	6,227,340
SRWA (Purchased Water)*	2,317,634	2,092,497	1,816,125	1,963,421	2,025,507
<b>Water Pumped to City</b>	7,458,052	7,073,747	7,650,165	8,176,364	8,252,847
Water Sales	6,392,340	6,055,349	6,636,736	7,251,194	7,259,778
Other Unmetered Usage	130,685	89,772	208,500	227,400	98,519
Losses and Unaccounted for Gallonage	935,027	928,626	804,929	697,770	894,550
<b>Thousand Gallons to System</b>	7,458,052	7,073,747	7,650,165	8,176,364	8,252,847
<b>Unaccounted For</b>	12.54%	13.13%	10.52%	11.32%	10.84%
Average Daily Consumption	17,465	22,253	21,078	22,334	22,541
Peak Maximum Demand (MG)	29	27	29	30	29
Date	8/10/2016	8/11/2015	8/21/2014	7/3/2013	6/18/2012
<b>WASTEWATER STATISTICS</b>					
Annual Demand (1,000 Gals.)	5,580,261	5,916,884	5,047,953	4,799,312	4,885,625
Maximum Day (MG)	32.6	36.2	32.2	29.1	25.9

\* 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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