



BROWNSVILLE
PUBLIC UTILITIES BOARD

PUBCAP Meeting

• • • Wednesday, November 19, 2025



BROWNSVILLE
PUBLIC UTILITIES BOARD

Call Open Meeting To Order



BROWNSVILLE
PUBLIC UTILITIES BOARD

Approval of October Minutes



BROWNSVILLE
PUBLIC UTILITIES BOARD

Old Business



BROWNSVILLE
PUBLIC UTILITIES BOARD

New Business



Advanced Metering Infrastructure

PROJECT UPDATE

● ● ● P U B C A P M E E T I N G | November 19, 2025

Jaime Aguilar

Division Manager for Administration

Enterprise Solutions



Benefits

Customer

- ✓ Enhanced customer experience
- ✓ Fewer estimated bills
- ✓ Notifications
- ✓ Leak detection
- ✓ Online tools
- ✓ Consumption management
- ✓ Quicker outage restorations



Utility

- ✓ Timely & accurate meter reading
- ✓ Reduced truck rolls
- ✓ Enhanced outage detection
- ✓ System planning & optimization
- ✓ Reduced bill adjustments
- ✓ Real-time analytics
- ✓ Theft detection
- ✓ Improved safety

AMI Solution

•Landis + Gyr

- Electric meters
- Gridstream RF Mesh IP network
- Command Center headend system

•Badger

- Water meters
- Badger Orion LTE-m cellular endpoints
- BEACON headend system

•Smartworks

- Compass Meter Data Management System (MDMS) for electric and water

•Allegiant

- Electric and water meter and network installation services



Update

Schedule

Start Date	2/02/2024
Project Completion	3/23/2027
Systems Implementation	3/2024 thru 10/2025

Financials

Budget	\$ 29,711,662
Spend	\$ 13,790,079
Remaining	\$ 15,921,583

Milestones

Head End Systems online	Initial Deployment Area meters installed
Meter Data Management System online	Alert validation
RF Mesh IP Network Installed	Go Live (October 31,2025)

*As of October 31,2025

Savings



METER LID REPLACEMENT

Approximately \$90k



PIPE IDENTIFICATION



WAREHOUSE & SUPPORT

Approximately \$1M

AMI Project					
	Base Budget	Contingency	Amended Budget	Expenses	Balance
Esource	1,734,533.00	0.00	1,734,533.00	(1,455,846.52)	278,686.48
Landis & Gyr	6,664,320.12	153,128.05	6,817,448.17	(2,817,760.46)	3,999,687.71
Badger	11,222,766.05	426,883.43	11,649,649.48	(6,190,068.30)	5,459,581.18
Allegiant	5,685,465.82	10,000.00	5,695,465.82	(1,638,214.99)	4,057,250.83
Smart Works	370,750.00	562,102.00	932,852.00	(679,429.03)	253,422.97
Cayenta Interfaces	100,000.00	459,360.00	559,360.00	(473,110.00)	86,250.00
Legal Expenses	0.00	130,000.00	130,000.00	(126,005.75)	3,994.25
Water Meter Lids	0.00	655,005.00	655,005.00	(409,644.63)	245,360.37
Miscellaneous Expenses	0.00	100,000.00	100,000.00	0.00	100,000.00
Sub Total	25,777,834.99	2,496,478.48	28,274,313.47	(13,790,079.68)	14,484,233.79
Contingency	3,933,827.62	1,437,349.14	1,437,349.14		1,437,349.14
Project Balance	29,711,662.61	3,933,827.62	29,711,662.61	(13,790,079.68)	15,921,582.93
					15,921,582.93

*As of October 31,2025



Allegiant[®]

UTILITY SERVICES

- Local hire
 - 7 water technicians
 - 2 electrical technicians
 - 1 operations support
 - 1 project manager





Installation Progress Dashboard

Electric

Water

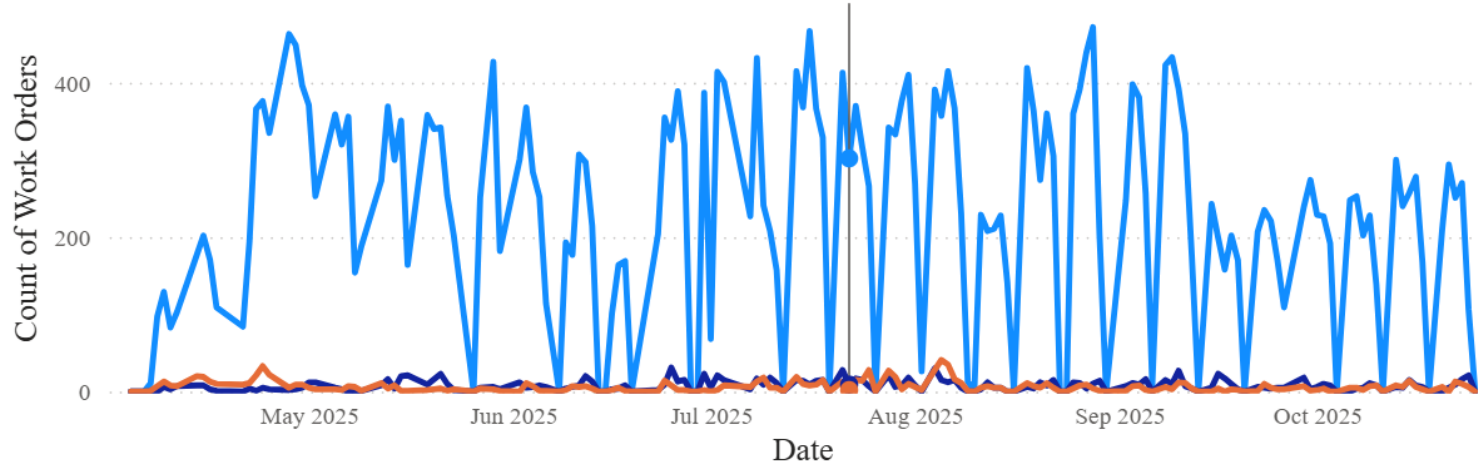
37,953
Number of Installs

More Information

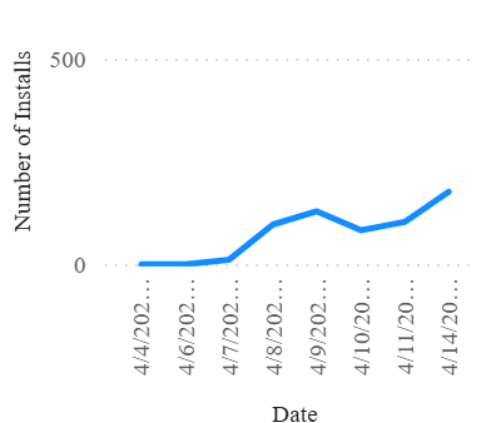
Street Address

1940 W UNIVERSITY BLVD
3405 INTERNATIONAL BLVD
14 W ALDRIN CT
1091 W ELIZABETH ST
1934 CENTRAL BLVD
910 E LEVEE ST
434 REY SALOMON ST
5560 RUBEN M TORRES BLVD
4 SONORA CT # 1
4514 LAKEWAY DR
920 ROBINDALE RD
626 E MADISON ST
2 WOOD HOLLOW DR
1121 E TYLER ST
3665 OLD HIGHWAY 77
154 DUNCAN RD
4804 PAREDES LINE RD # 4
213 AVENIDA DEL SOL
5701 OLD HIGHWAY 77
1823 BOCA CHICA BLVD
14 WESTERN BLVD WATER
METER

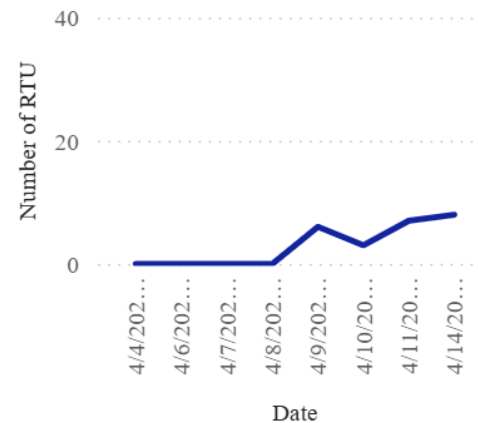
Installed RTU Damaged



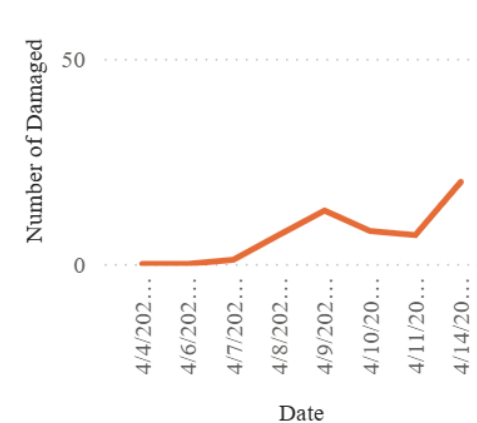
Installed



RTU



Damaged

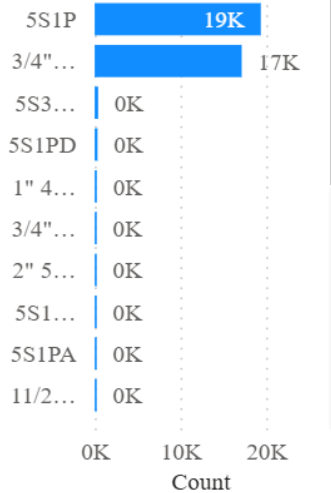


Date Range View

4/5/2025

10/31/2025

Replaced Meter Type

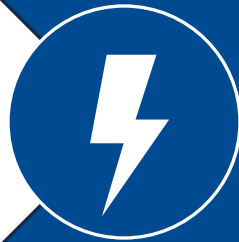


Reason Codes

A-Base meter
BPUB Exchanged
Broken Stop
Contains Lead Pipes, Other
Customer No Show
Customer-side Leak
Customer-side Leak, Other
Customer-side Leak, Utility-side
Leak
Total

20,266

40%



Electric Installs

Water Installs



17,687

31%

Billing Reads

Overview Billing Reads (34)

Get Billing Read



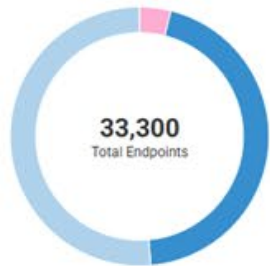
Network Reads

✓ Meters with current reads.	17,058
⚠ Meters with reads 1 Day or older.	48

Manual/AMR Reads

✓ Meters with current reads.	0
⚠ Meters with reads 30 Days or older.	5

Endpoint Status



● Provisioned	17,109
● Available	14,887
● Pre-provisioned	1,304

Communication Health

Last 120 Hours

Orion Cellular



✓ Status OK	17,073
⚠ Not Reporting	33
● No Recent Endpoint Communication	33

Device Health

All Meters



✓ Status OK	17,087
⚠ Reporting Issues*	19
● Endpoint Tamper	14
● Meter/Encoder Alarms	9

*A device can have more than one exception.

System Water Usage



Last 7 Days

27,340K Gallons

Previous 7 Days

26,545K Gallons

*This metric is calculated from networked meters only.

Flow Health

All Meters

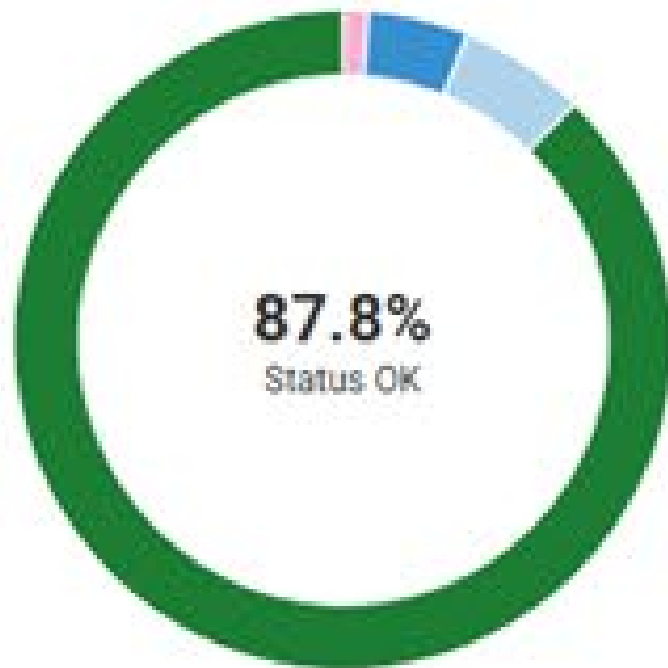


✓ Status OK	15,019
⚠ Reporting Issues*	2,092
● Leak Detected	1,063
● No Recent Flow	846
● Reverse Flow	206

*A device can have more than one exception.

Flow Health

All Meters ▾



Status OK

15,019



Reporting Issues*

2,092



Leak Detected

1,063



No Recent Flow

846



Reverse Flow

206

*A device can have more than one exception.



Reporting Issues*

2,092



Leak Detected

1,063



No Recent Flow

846



Reverse Flow

206

Leaks

Limited to network meters where continuous flow is not expected.

267.2k Gallons leaked in the last 24 hours.

Selected filter ?

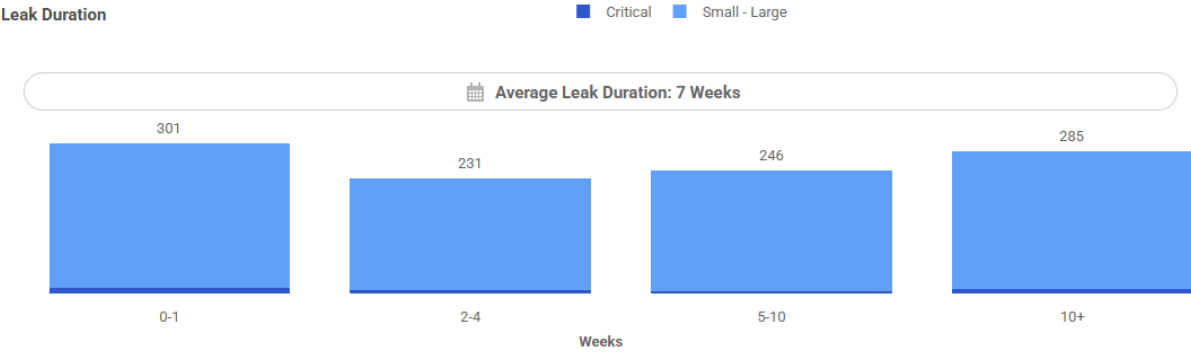
None

Leak Count

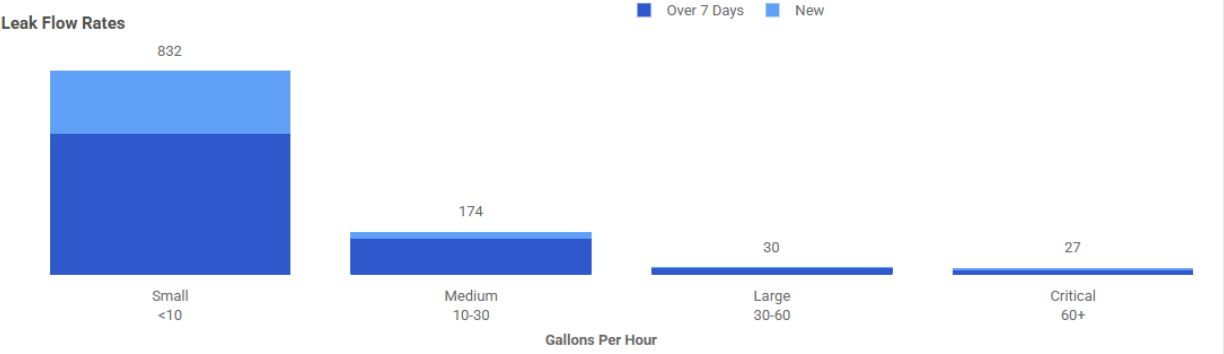
1,063
Out of 17,102 Meters



Leak Duration



Leak Flow Rates



Take Action

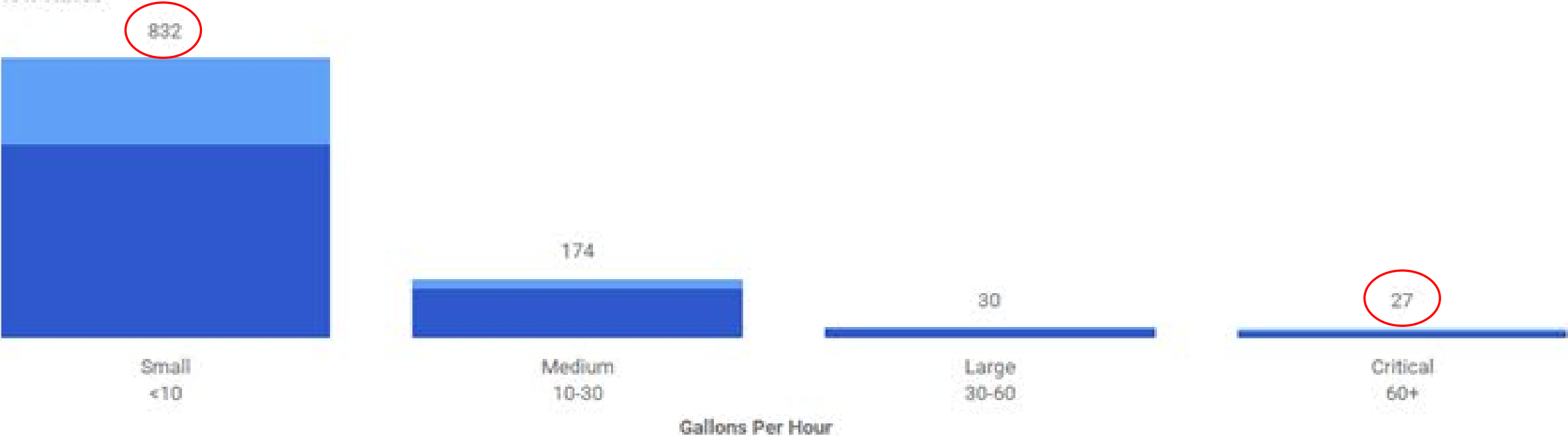
View customers with leaks or Export data.

View

Export

Leak Flow Rates

Over 7 Days New



Take Action

[View customers with leaks](#) or [Export data](#).

Leaks

Limited to network meters where continuous flow is not expected.

267.2k Gallons leaked in the last 24 hours.

Leak Count

⚠ Leak Detected: 699 Gallons/hour beginning Aug 25, 2025 23:00 CDT



Aug 13-19

0

Gallons

Aug 20-26

18,288

Gallons

Account ID

Account Name

Service Agreement

Start: Dec 26, 1995

Status

Active

Total 44,902 Gallons

Minute

Hour

Day

Week

Month

Year

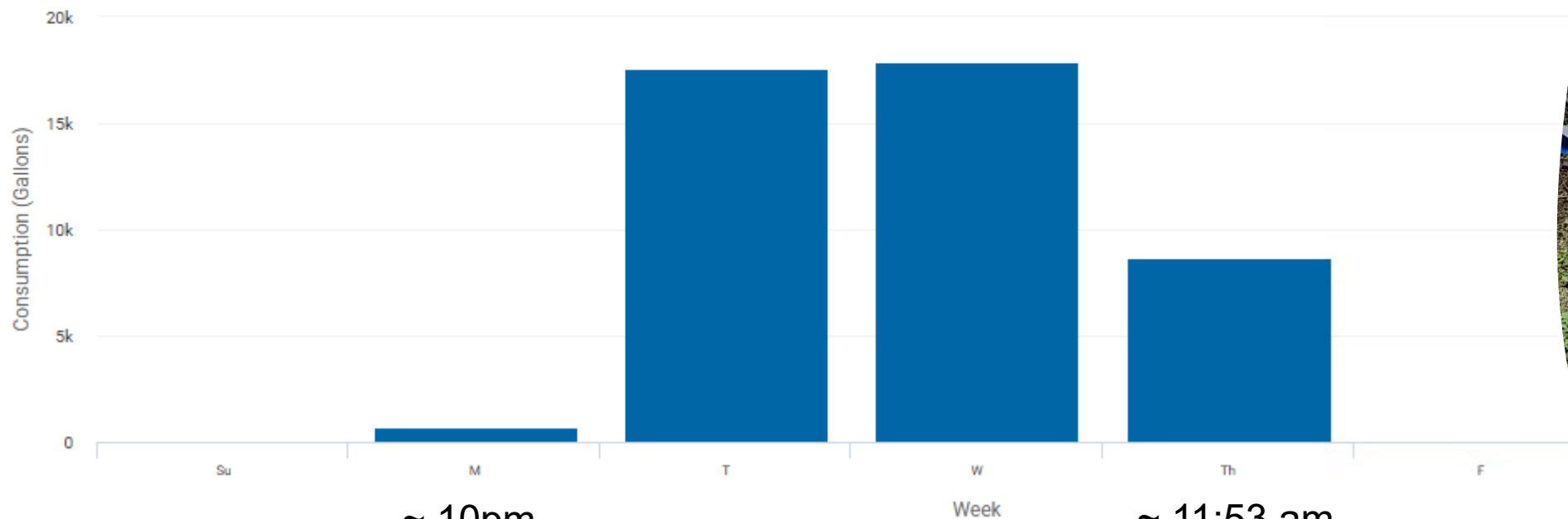


Today



▼ Print/Download

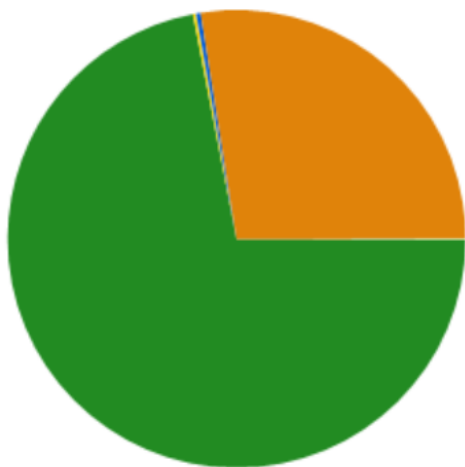
Weekly beginning Sunday, August 24, 2025



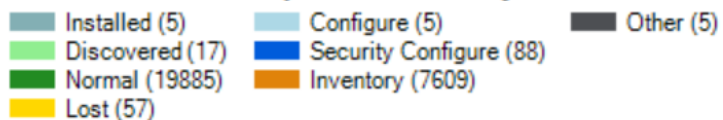
Endpoint Status

[Show/Hide Chart](#)

Endpoint type: All



Endpoint Status Summary



Days in Status:

Not Logging

0-1

2-3

4-5

6-10

11+

Total

0

2

1

2

63

68

Collectors

[View/Hide All](#)

10/20/2025 1:23:22 AM	FILTER PLANT SUBSTATION	Time Sync Failure
10/20/2025 1:23:22 AM	G18 (Lakeside)	Time Sync Failure
10/20/2025 1:23:22 AM	G13 (SPOL BANK)	Time Sync Failure
10/20/2025 1:23:22 AM	G15 (PALOALTO)	Time Sync Failure
10/20/2025 1:23:22 AM	802 SUBSTATION	Time Sync Failure

Meter Alarms

Date/Time

Meter Number

Event

System Alerts

Collector Power Outage

1

Collector Communication Delay

1

Endpoint Alerts

[View/Hide All](#)

Multiple Endpoint Assignments

1

Unassigned Billing Cycle

4327

Tamper (Reverse Energy)

8

Temperature Alert

1

Meter Communication Error

36

Meter Alerts

Meter Log On Failure Alert

5

Reverse Rotation Detected

100

Phase Error

585

Meter Switch Status Changed

2

Outage Alerts

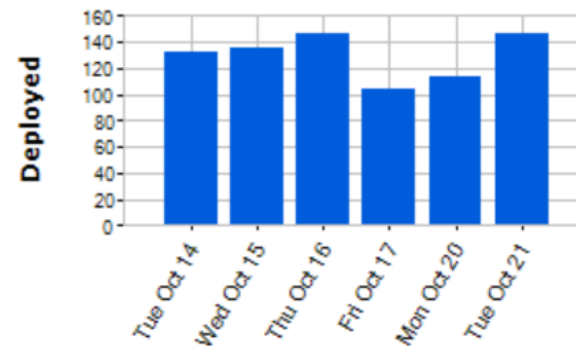
Currently Power Failed

65

Power Restored

746

Deployment Status



Endpoint Alerts

Multiple Endpoint Assignments

Unassigned Billing Cycle

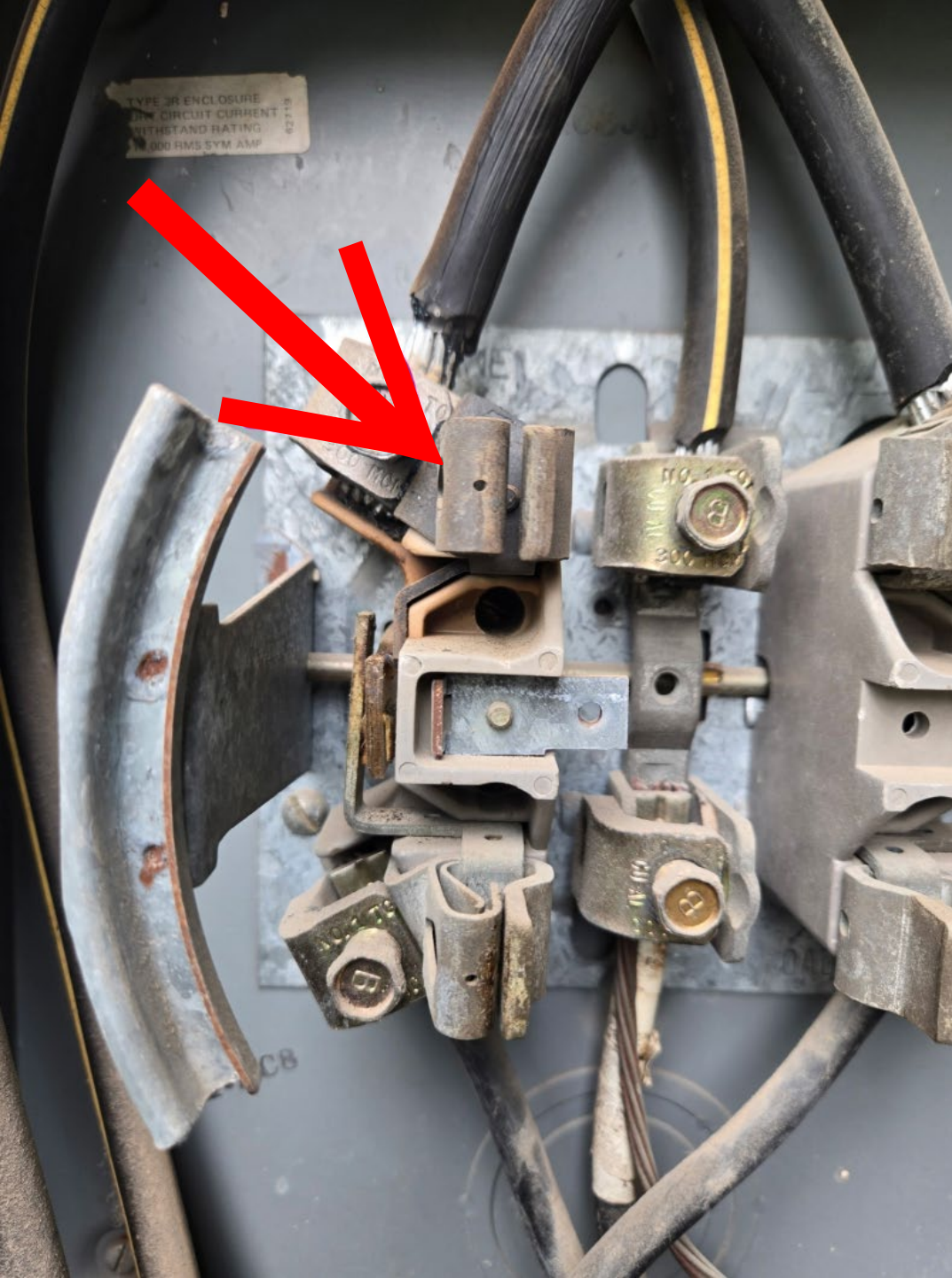
Tamper (Reverse Energy)

Temperature Alert

Meter Communication Error

Meter Alerts

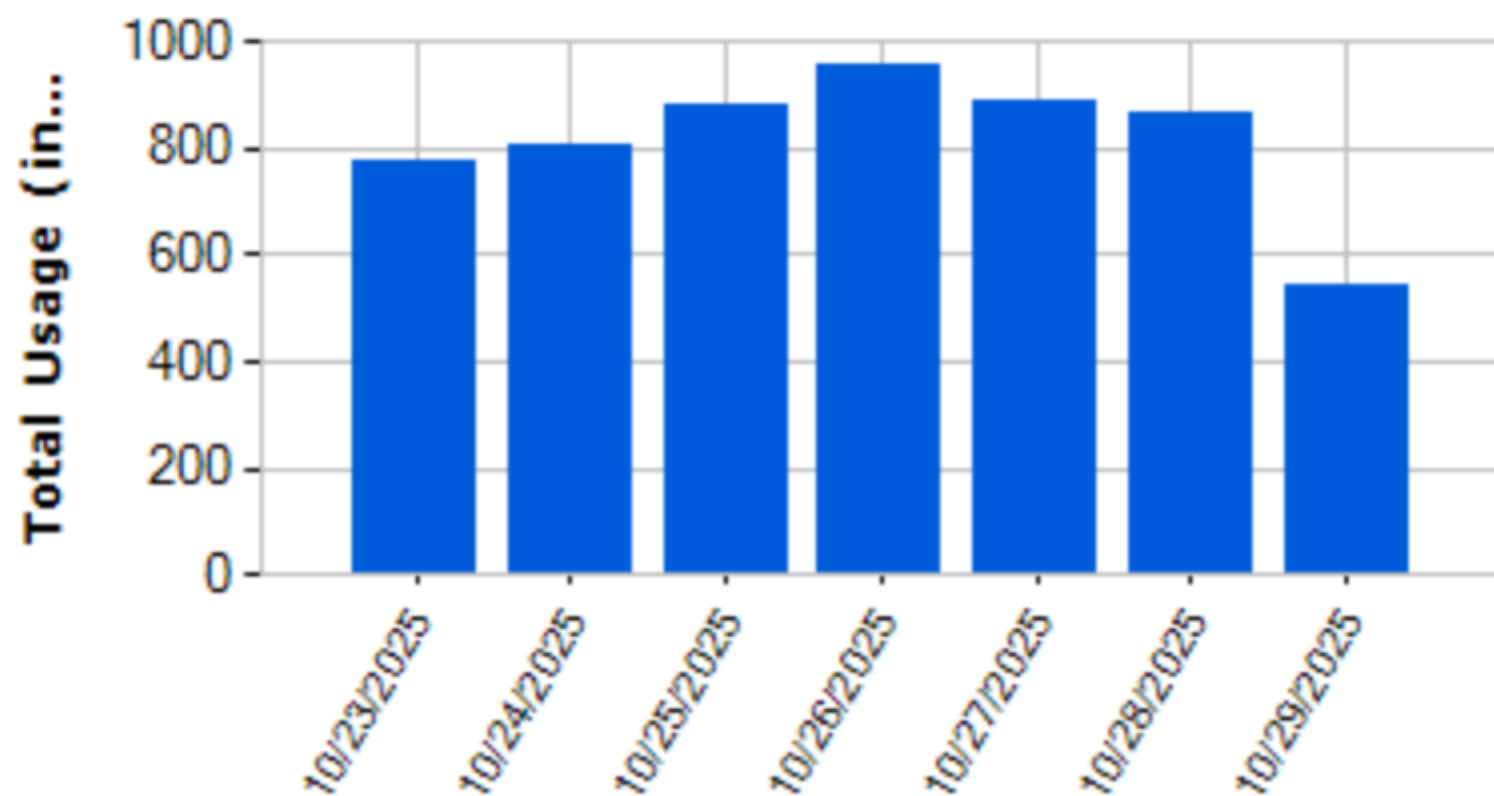
Meter Log On Failure Alert



- Command Center showed Temperature Alert
- Meter investigation was performed
- Hot socket was identified
 - A phase side showing signs of damaged opened terminal
- Tech spoke to customer which will address the issue

Status	Date
AMI meter installed	August 18, 2025
Alert	October 4, 2025
Meter investigation	October 8, 2025

☰ Total System Electric Usage (in MWh)

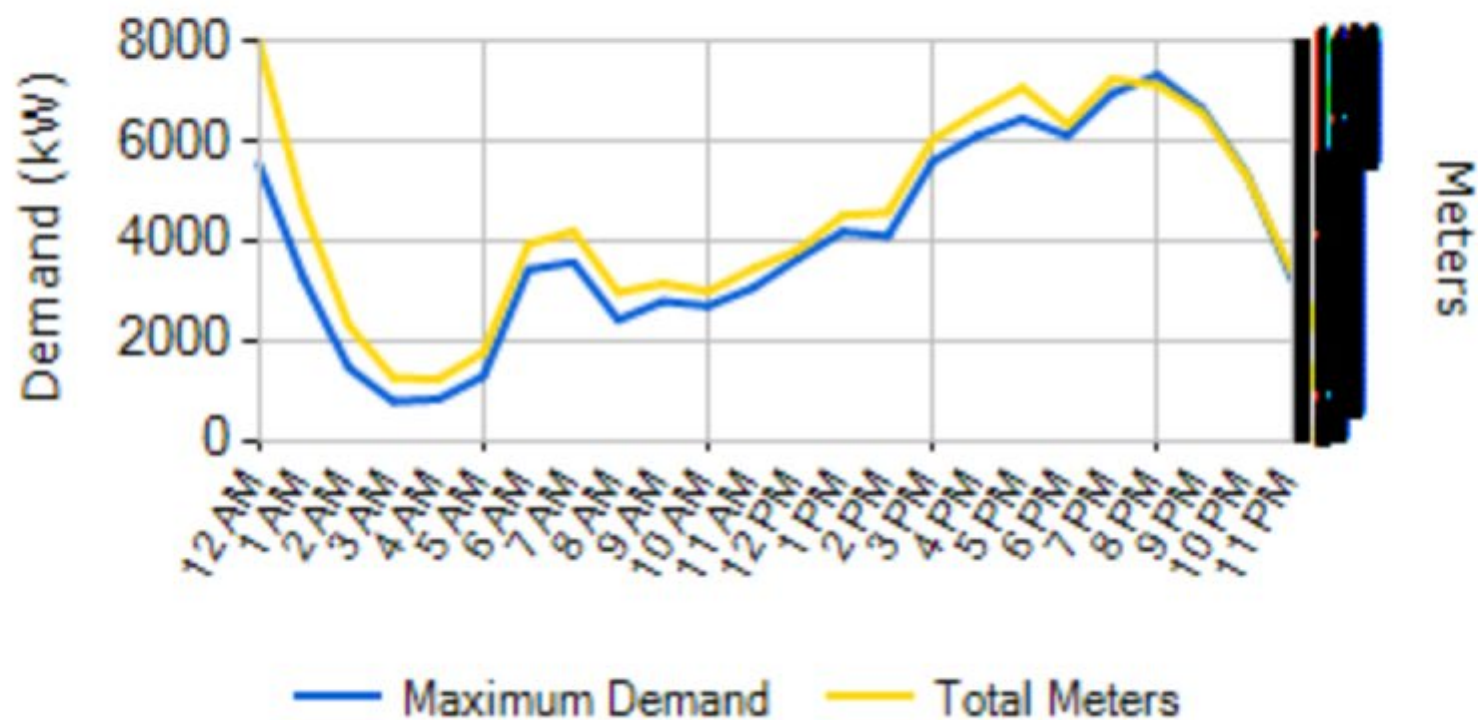




Recent Demand Load Profile



Total Maximum Demand Profile for 10/29/2025





BROWNSVILLE
PUBLIC UTILITIES BOARD

Thank You

JAIME AGUILAR, DIVISION MANAGER FOR ADMINISTRATION



Conservation Superheroes Drawing Contest

● ● ● P U B C A P M E E T I N G |

11/19/2025

Miguel Collis

Sr. Digital Information Platforms Manager

Digital Information Platforms

First Grade: Maria,
Episcopal Day School



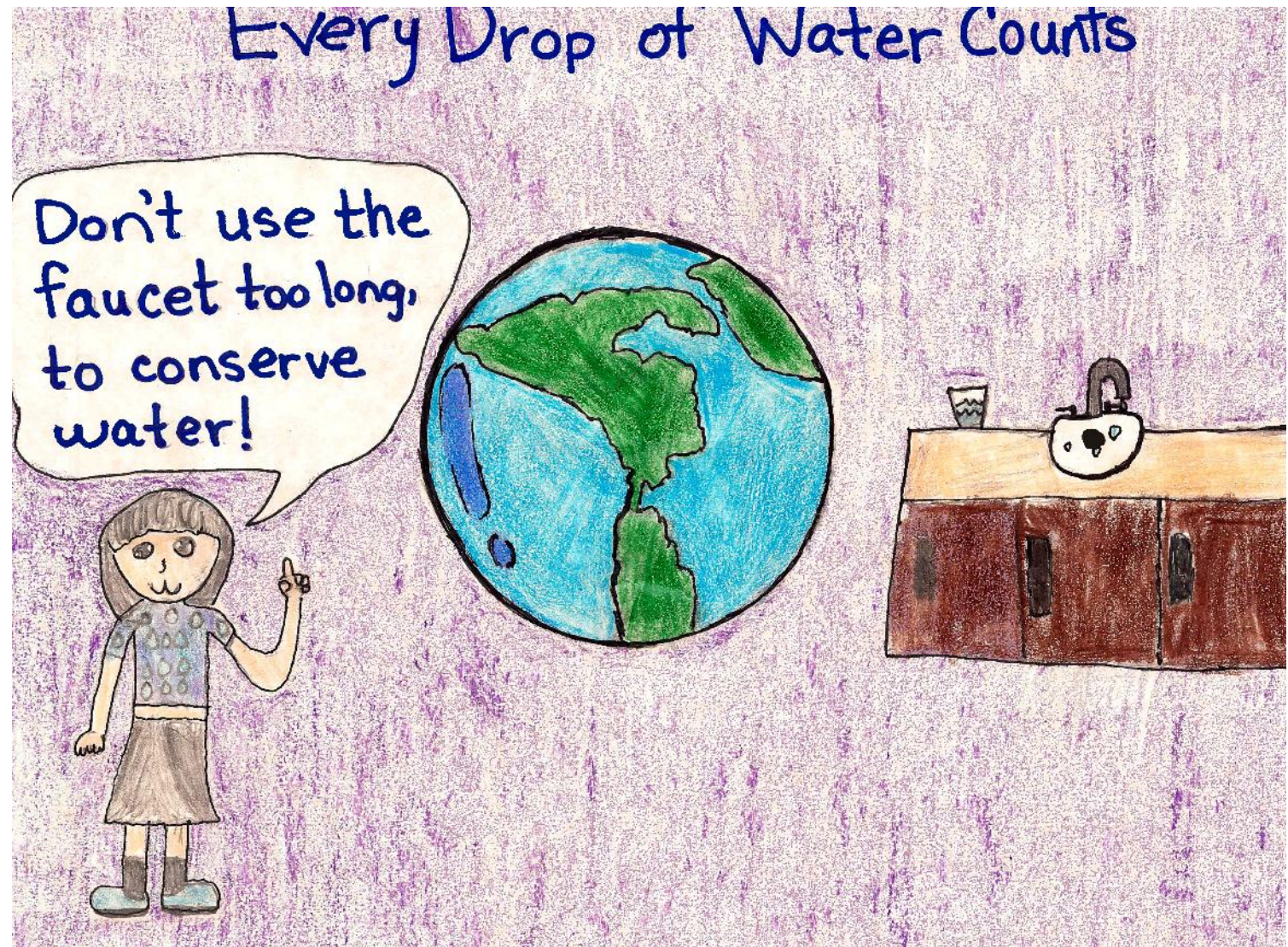
Second Grade: Emma,
Episcopal Day School



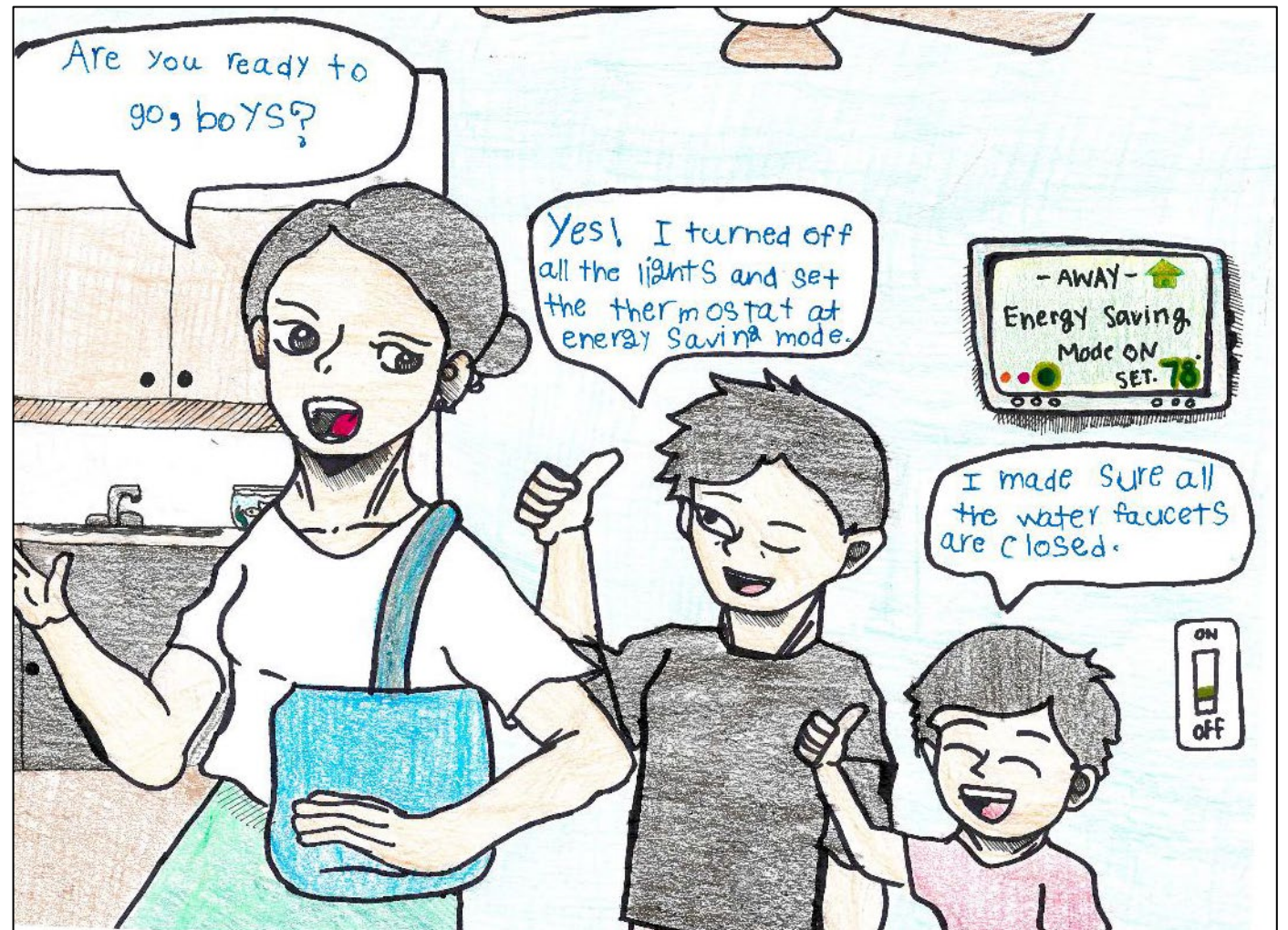
Third Grade: Jose,
First Baptist School



Fourth Grade: Madahila,
Canales Elementary



Fifth Grade: Caleb,
Canales Elementary





Credit Card Payment Analysis

● ● ● P U B C A P M E E T I N G |

11/19/2025

Eddie Campirano Jr.

Sr. Customer Service Manager

Customer Service

Overview

Total billable accounts: 73,460

Total payments received FY 2025: 836,372

Breakdown by Payment Type FY 2025:

Online & IVR Credit Card:	391,581
POS Credit Card:	23,039
Online EFT:	182,719
Cash:	106,215
Check:	31,778
ACH:	40,610
WF IBP & Lockbox:	40,588
Substation Locations:	65,758
Wire Transfer:	86,670

49.6% of customers pay
with a credit card.



Total Credit Card Costs Combined

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Total	\$ 536,307.74	\$ 565,626.29	\$ 699,137.48	\$ 718,892.96	\$ 795,852.83
	5.5%	23.6%	2.8%	10.7%	

Total CC Fees FY2019 - FY2023:

\$3,315,817.30

Estimated CC fees for FY2025:
\$877,427.74



Current State & Comparison

Credit Card Fee		
Credit/Debit fee per transaction paid by payer	1.95% or \$2.50	<u>\$1,000</u> max cap per transaction

	\$1k Online Example		\$5k Online Example		\$10k Online Example	
Bill	Fee	Total	Fee	Total	Fee	Total
\$ + 100.00	\$ 2.50	\$ 102.50	\$ 2.50	\$ 102.50	\$ 2.50	\$ 102.50
\$ 200.00	\$ 3.90	\$ 203.90	\$ 4.50	\$ 204.50	\$ 5.00	\$ 205.00
\$ 500.00	\$ 9.75	\$ 509.75	\$ 11.25	\$ 511.25	\$ 12.50	\$ 512.50
\$ 1,000.00	\$ 19.50	\$ 1,019.50	\$ 22.50	\$1,022.50	\$ 25.00	\$ 1,025.00
\$ 2,000.00			\$ 45.00	\$2,045.00	\$ 50.00	\$ 2,050.00
\$ 3,000.00			\$ 58.50	\$3,058.50	\$ 75.00	\$ 3,075.00
\$ 5,000.00			\$ 112.50	\$5,112.50	\$ 125.00	\$ 5,125.00
\$ 7,000.00					\$ 175.00	\$ 7,175.00
\$ 10,000.00					\$ 250.00	\$ 10,250.00

Questions





BROWNSVILLE
PUBLIC UTILITIES BOARD

Public Comments



BROWNSVILLE
PUBLIC UTILITIES BOARD

Next Meeting Date

JANUARY 21, 2026



BROWNSVILLE
PUBLIC UTILITIES BOARD

Adjournment
