



To: Honorable President and
Members of the Public Utilities Board

From: Nicolas Procos, General Manager

Re: General Manager's Report – January, 2023

PUB Highlights

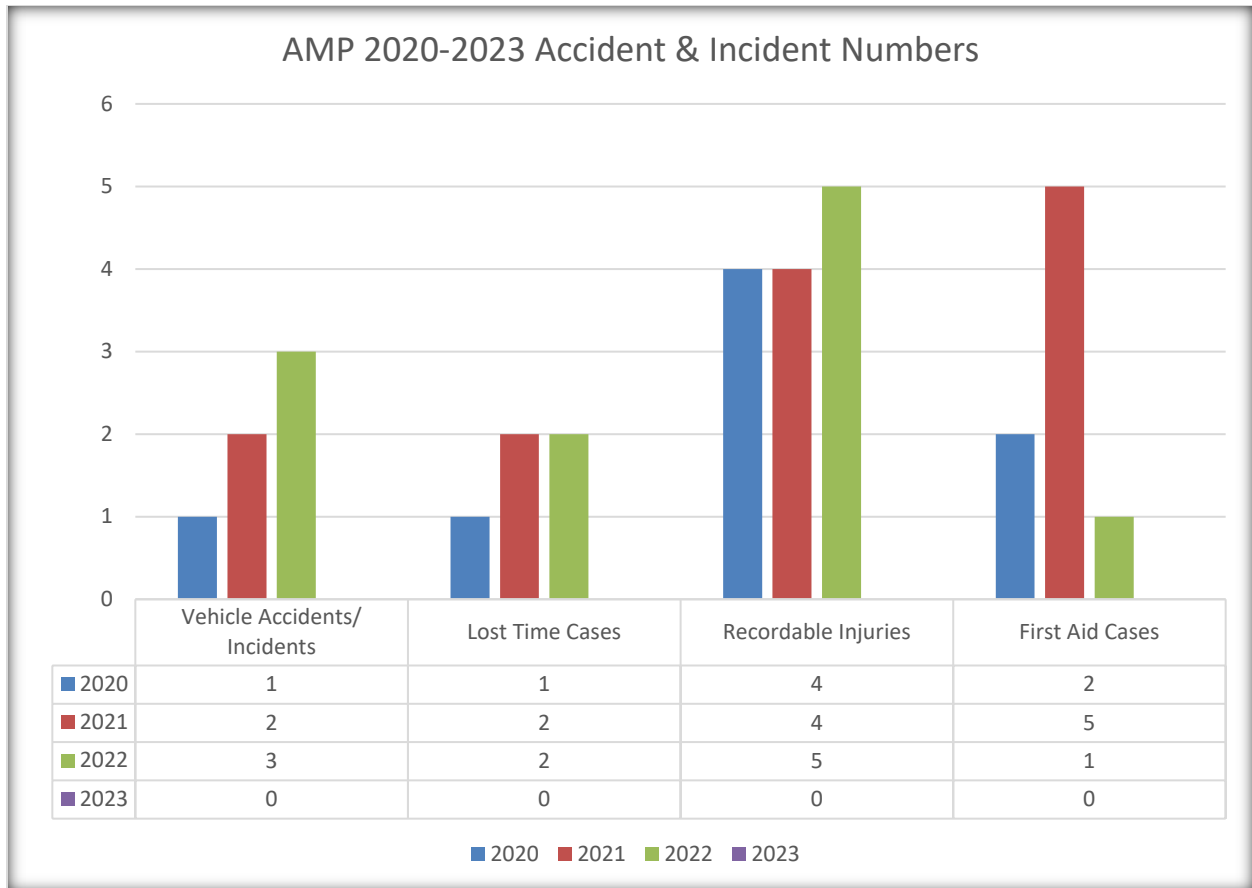
➤ Customer and Energy Resources Update:

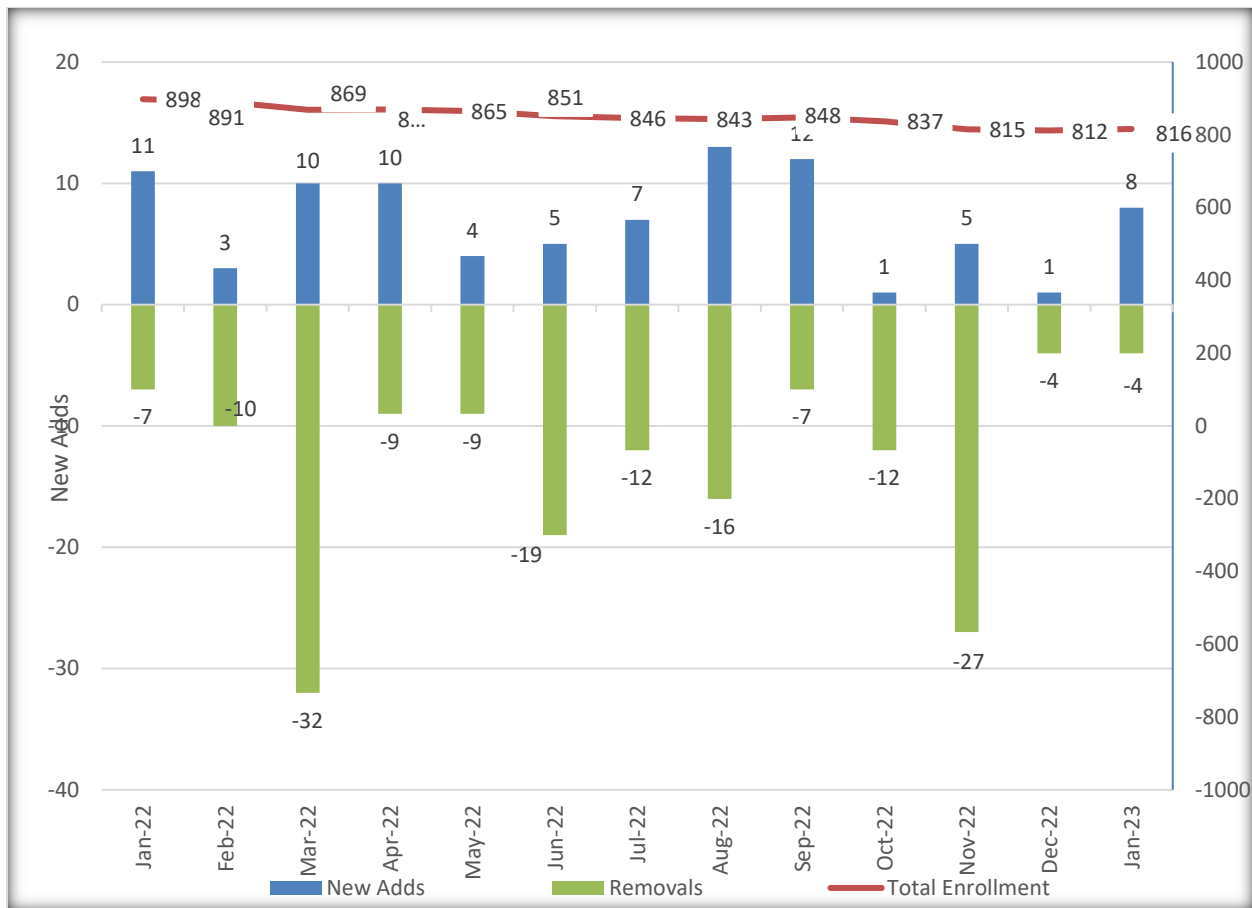
- Starting February 1, 2023, for a limited time AMP customers on commercial and municipal rates can get up to a \$39,000 rebate for installing eligible electric vehicle (EV) chargers. The Commercial EV Charger Rebate has increased from \$5,000 per charging station to \$6,000 per charging station and \$500 per additional port.
- AMP delivered a total of \$70,000 in EV charger rebates to Marina Village for 14 new Level 2 EV chargers. Marina Village campus now has a total of 32 EV chargers.
- Rondo Energy completed a 1000 kVA transformer upgrade for their new headquarters in the Harbor Bay Business Park. Rondo creates and manufactures high heat batteries that convert intermittent wind and solar power into a simple, safe, practical, efficient, and affordable supply of continuous industrial heat and power.
- AMP attended the Alameda Chamber and Economic Alliance business mixer at DOER (Deep Ocean Exploration and Research) Marine. DOER is a woman-owned small business founded in 1992 that has been located in Alameda for the past 25 years. The company designs, builds, and uses subsea, environmental, and diving technology for clients worldwide. DOER is based in Hanger 41 on the former naval air base, adaptively re-using the building with integrated green technology.
- Geothermal Unit 4 returned to service on February 1, 2023, after the major overhaul starting on November 1, 2022, required additional delays following the discovery of unanticipated damage to the turbine.

➤ Engineering & Operations Update:

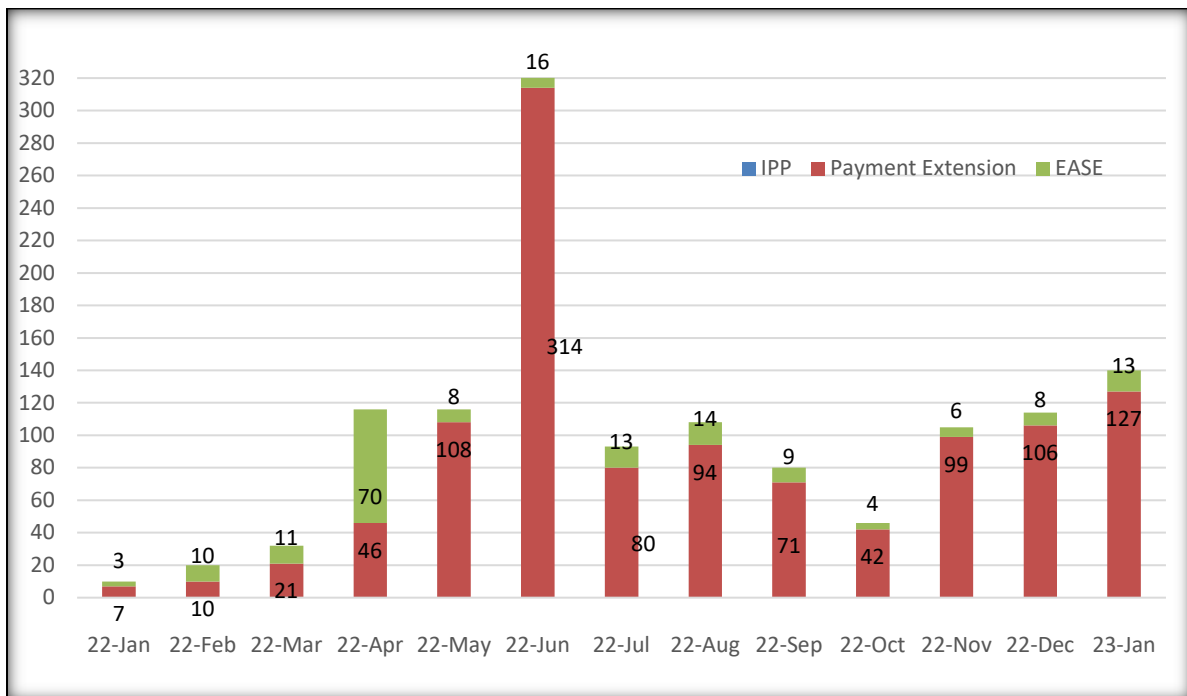
- Pulte Homes Phase 3 primary 12kV construction completed for the entire site.
- Town hall meeting completed for the next two Underground Utility Districts
- New Senior Electrical Engineer onboarded.
- Various safety training done for relevant staff: CPR/First aid, grounding, switching.
- Started 1st quarter battery preventative maintenance for 2023.
- Prep work done for differential and bus relay upgrades.

- Coordination meeting with Alameda Police Department (APD) about security of AMP's facilities.
 - AMP will look at site security recommendations by APD.
 - AMP will conduct regular site walks of critical facilities with APD staff to familiarize them with AMP's facilities. In addition, further documentation will be supplied to APD to allow for fast, safe, and efficient responses, should the need arise.
- Outages
 - 01/01/23, 74 customers, 109 minutes, private tree
 - 01/25/23, 117 customers, 135 minutes, blown fuses – unknown cause
 - 01/30/23, 9 customers, 45 minutes and 29 customers for 128 minutes, equipment/transformer
- **Utility Information Systems Update:**
 - New customer portal registrations are at 14,495, with 10,898 or 75 percent of those enrolled as paperless bill customers.
 - AMP computer users have recently completed eight consecutive weeks of phishing tests without any clicks on malicious training emails after breaking the previous streak of 6 weeks. A new artificial intelligence component of the phishing training platform has been enabled and will dynamically adjust phishing security tests based on past behavior to provide an optimal and tailored training experience.
- **Safety January 2023:**
 - Lost Time Cases: 0
 - Recordable Injuries: 0
 - First Aid Cases: 0
 - Vehicle Accidents/ Incidents: 0
 - Vandalism Incidents: 1- 1/12/23: West Tower Ave manholes were found broken into. These manholes and switch L-1420 were found broken into in 2022.
- **Year to Date 2023:**
 - Lost Time Cases: 0
 - Recordable Injuries: 0
 - First Aid Cases: 0
 - Vehicle Accidents/ Incidents: 0
 - Vandalism Incidents: 1





Number of New Customer Enrollments to AMP's Financial Assistance Programs



Financial Assistance Program Enrollments

CUSTOMER PROGRAMS & EXPERIENCE

Table 1: Summary of Energy Efficiency Programs as of January 27, 2023

Program	Annual Savings Target kWh/yr	Q1-23	Q2-23	Jan-23	Cumulative Energy Savings kWh/yr	Percent of Annual Target
Residential Lighting	18,000					0%
Residential Other	20,000	8,950	11,004	1,573	21,527	108%
Non-Residential Lighting, Custom	870,000		29,054		29,054	2%
Non-Residential Customized, New Construction, Other	325,000					0%
Residential Total	38,000				21,527	57%
Commercial Total	1,205,000.00				0	0%
TOTAL	1,271,000				50,581	4%

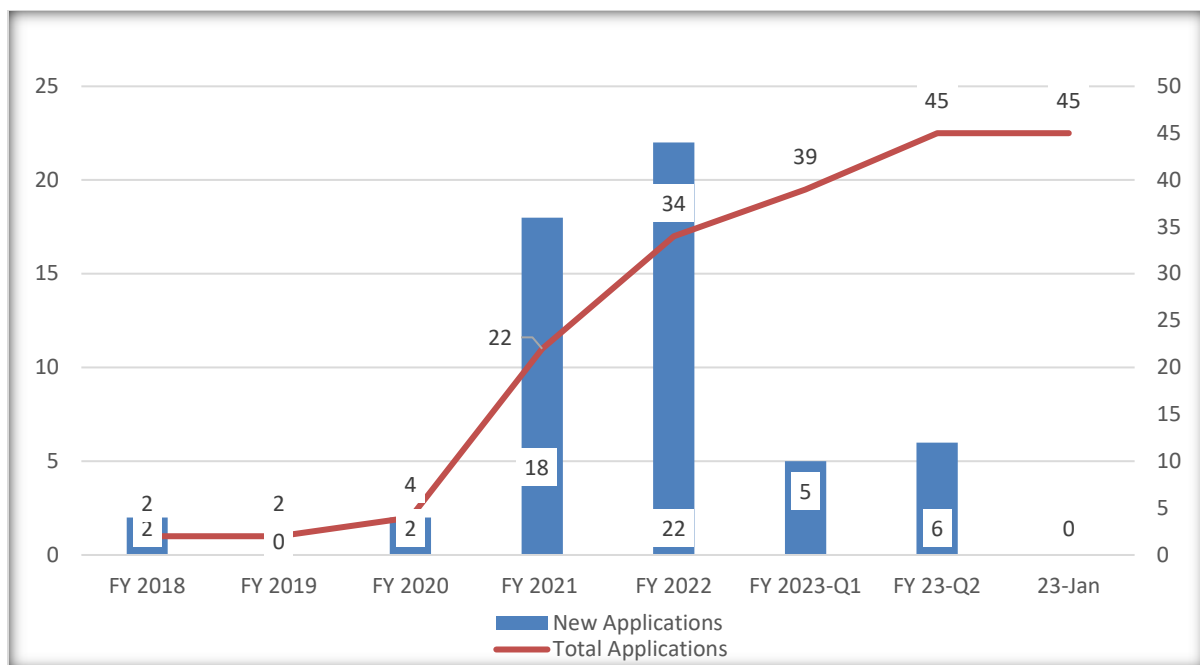


Figure 1: Total Number of Approved Heat Pump Water (HPWH) Rebate Applications

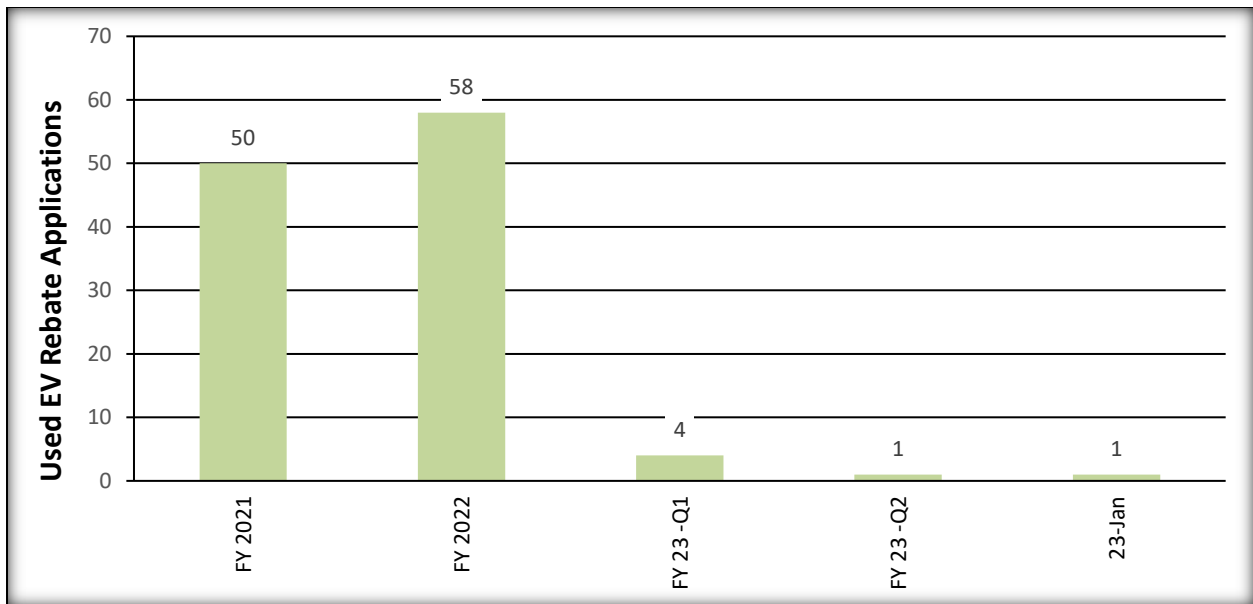


Figure 2: Residential Used Electric Vehicle Rebates

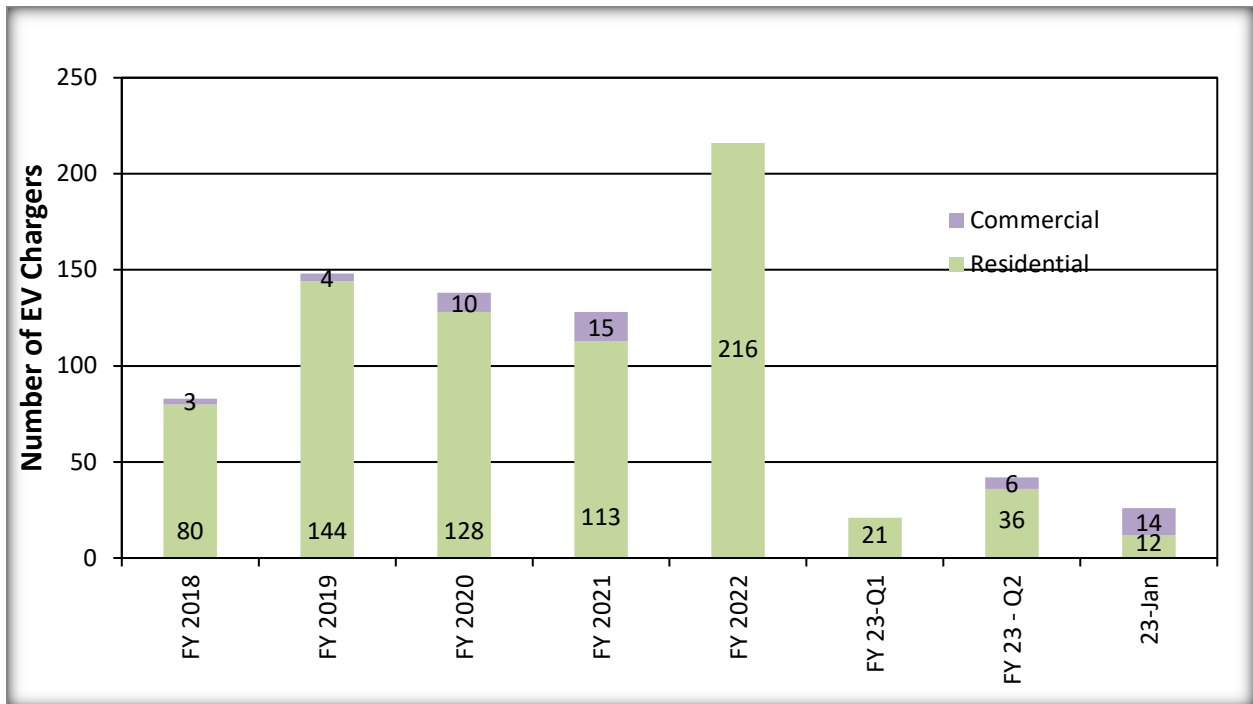


Figure 3: Electric Vehicle Charger Rebates

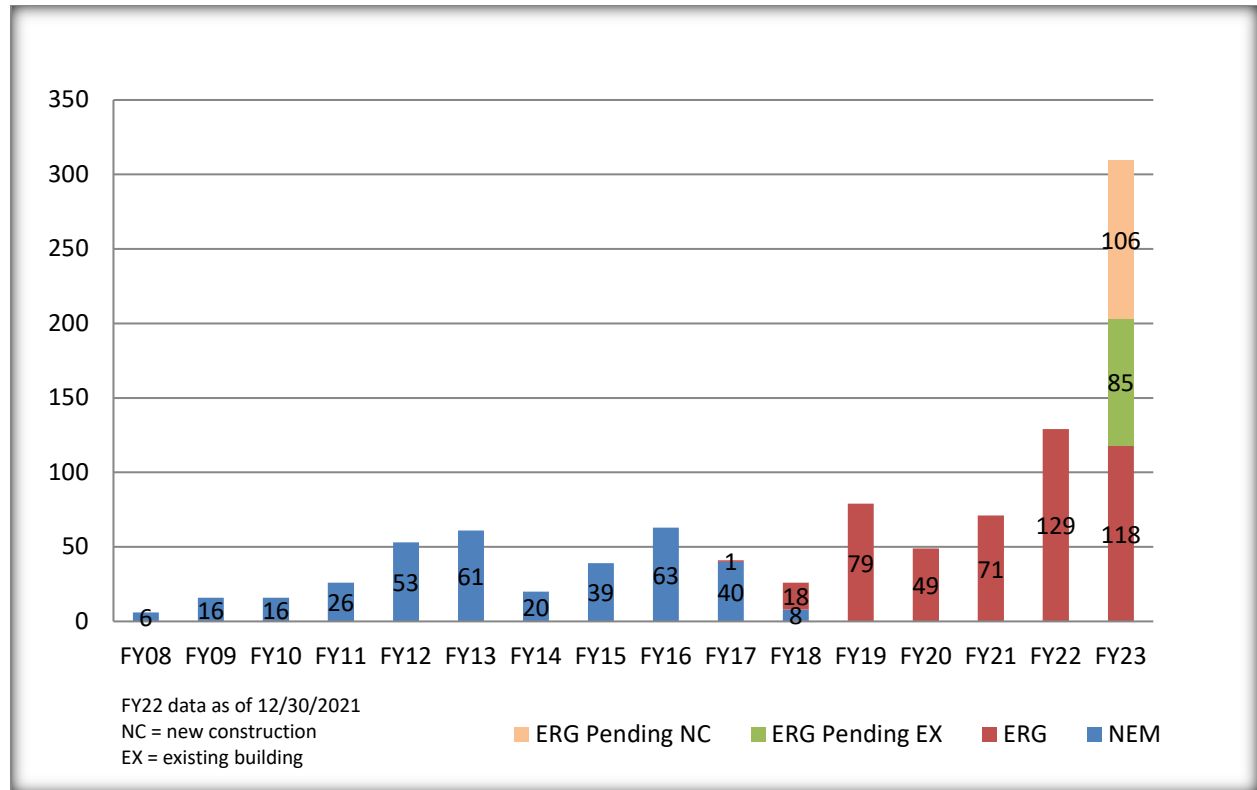


Figure 4: Residential Solar Interconnections

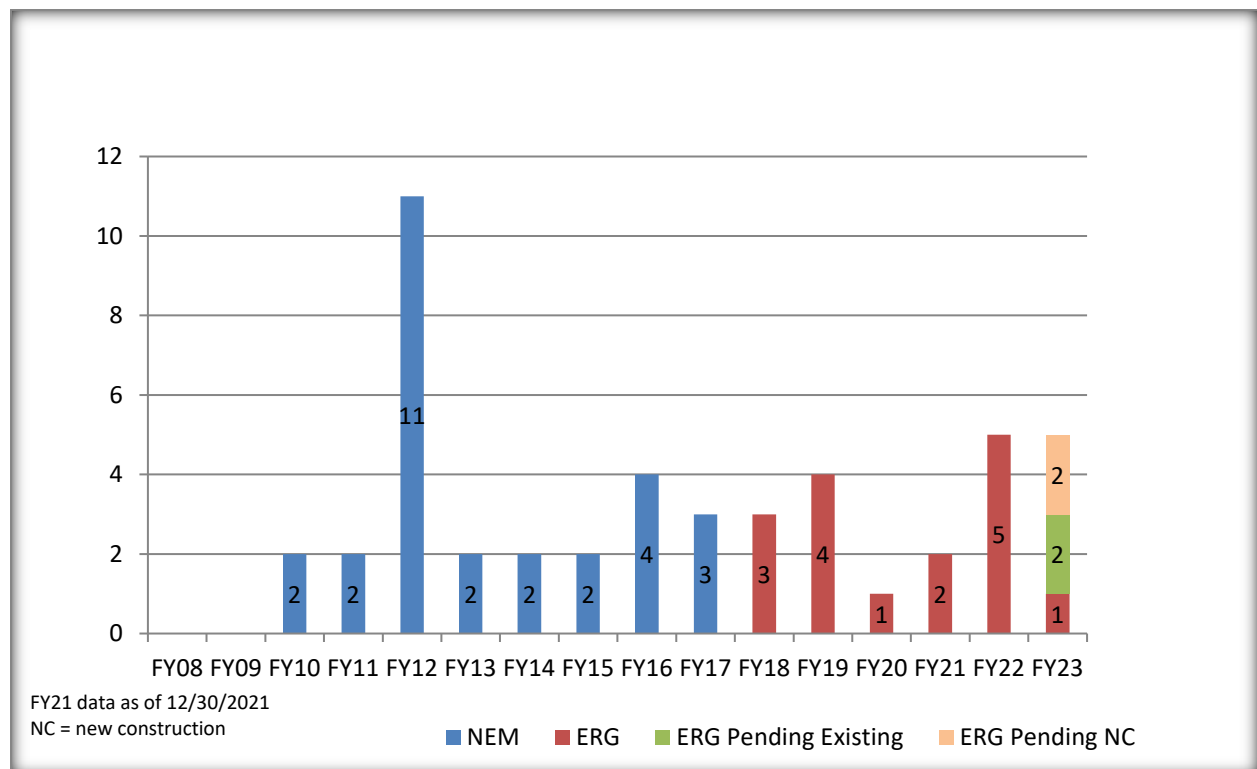


Figure 5: Commercial Solar Interconnections

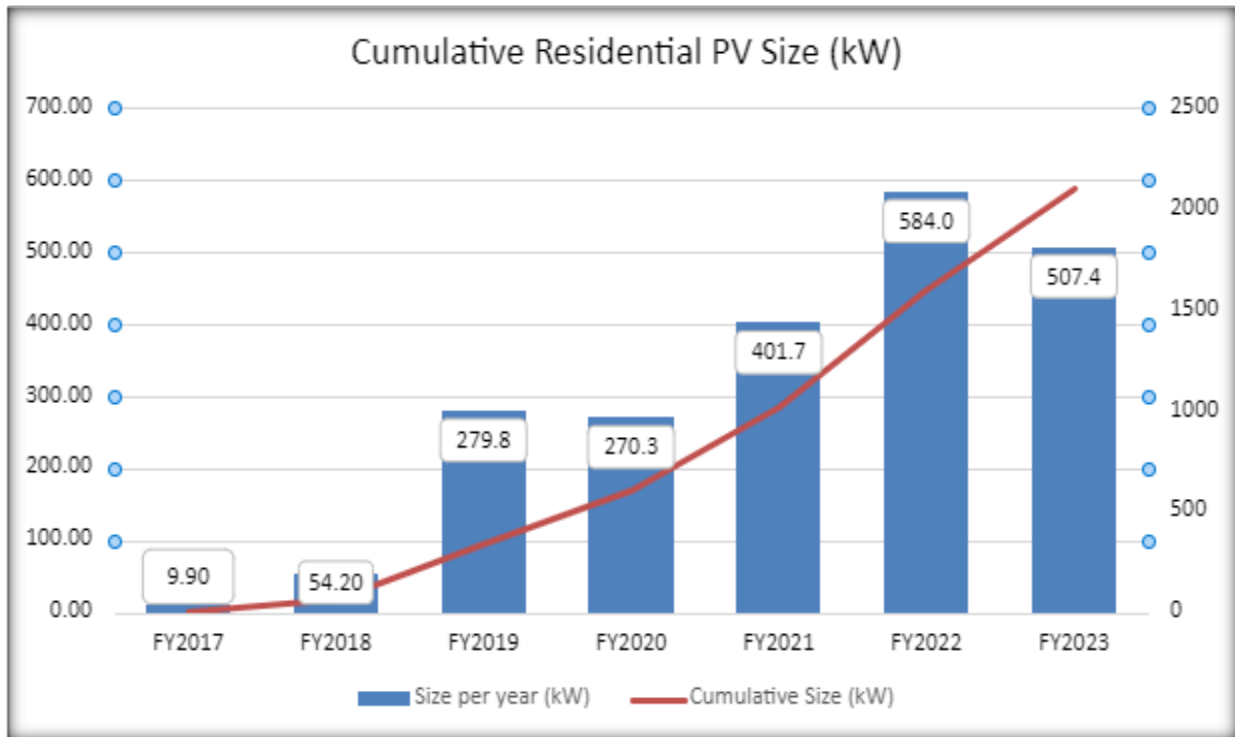


Figure 6: Cumulative Residential Photovoltaic Size

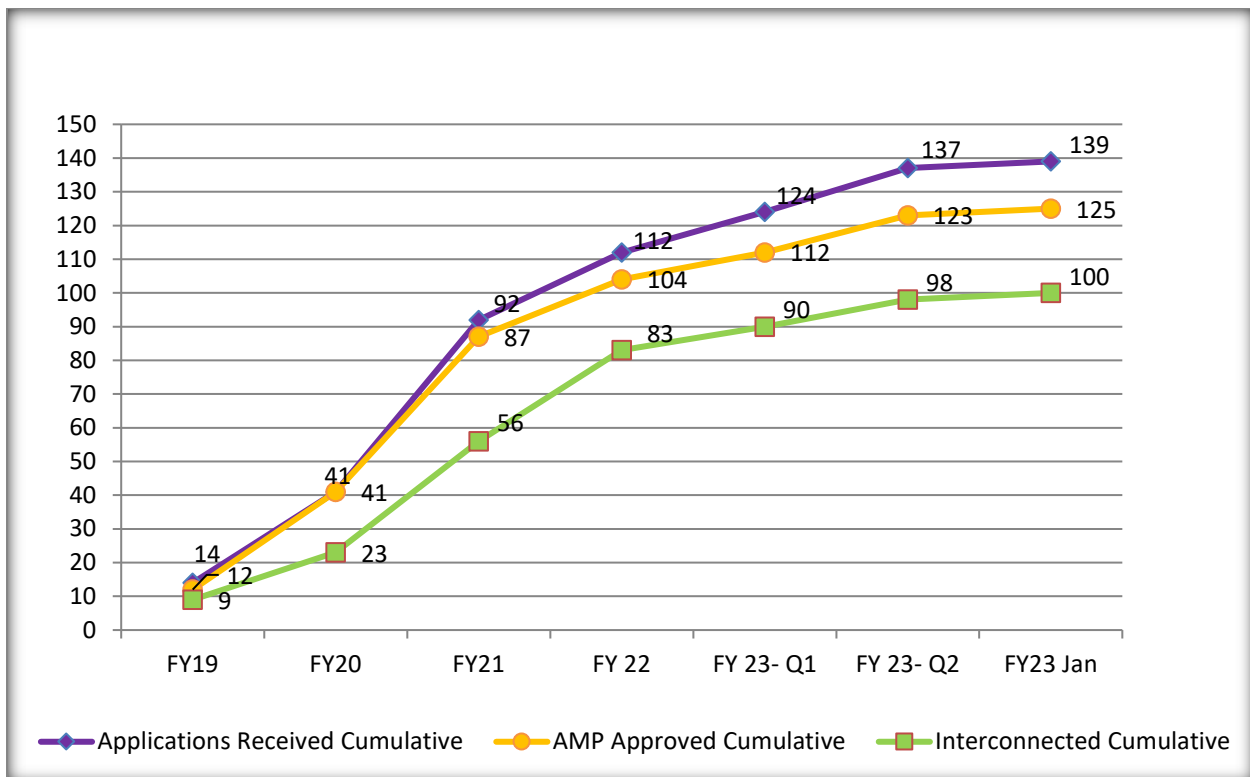


Figure 7: Cumulative Battery Storage

FINANCIALS

**Table 2: Monthly and Year to Date Total Operating Revenue
 and Expense Report as of January 31, 2023**

<i>Report Status as of:</i>				
January 31, 2023	Monthly		Annual (FY) To Date	
	Goal	Result	Goal	Result
Total Operating Revenue - Electric (December 2022)	6,513,441	6,398,412	34,204,532	33,985,307
Total Operating Expense - Electric (December 2022)	6,320,455	6,624,552	33,916,785	30,461,181
Note: Shaded areas indicate the data is displayed on the accompanying graphs				

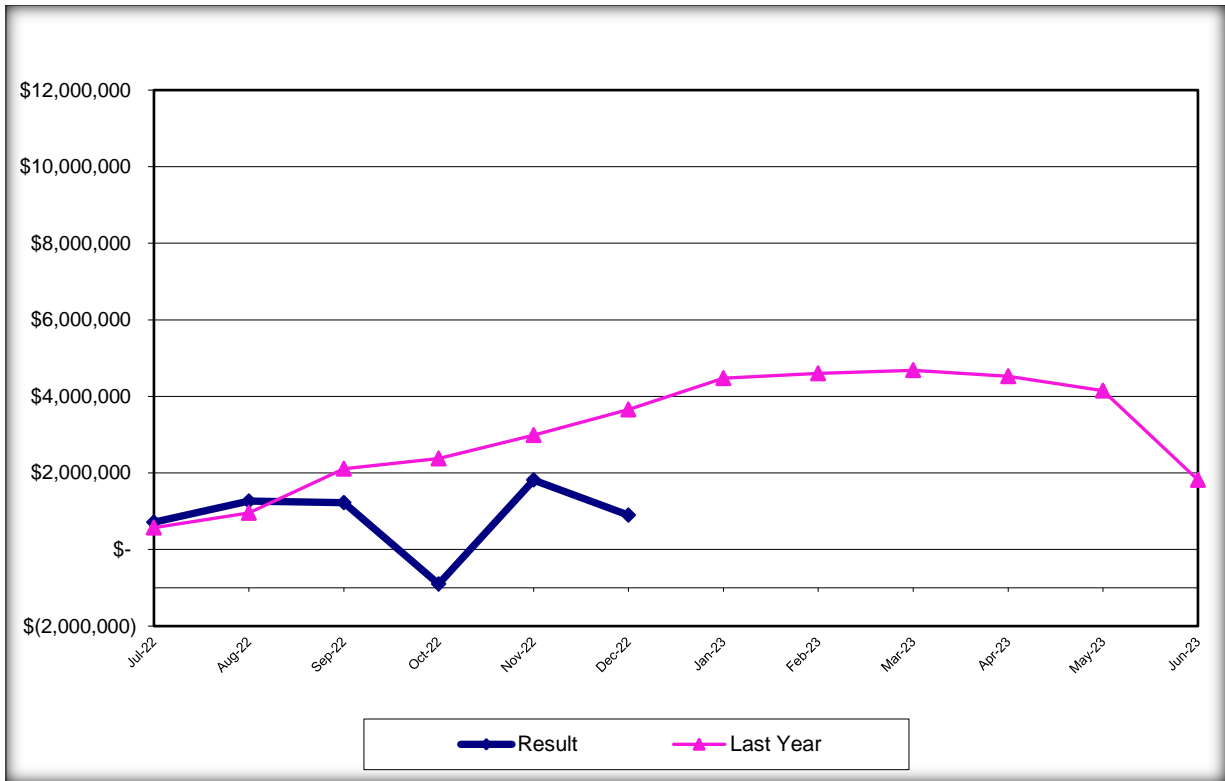


Figure 8: Fiscal Year 2023 Cumulative Net Income – Electric

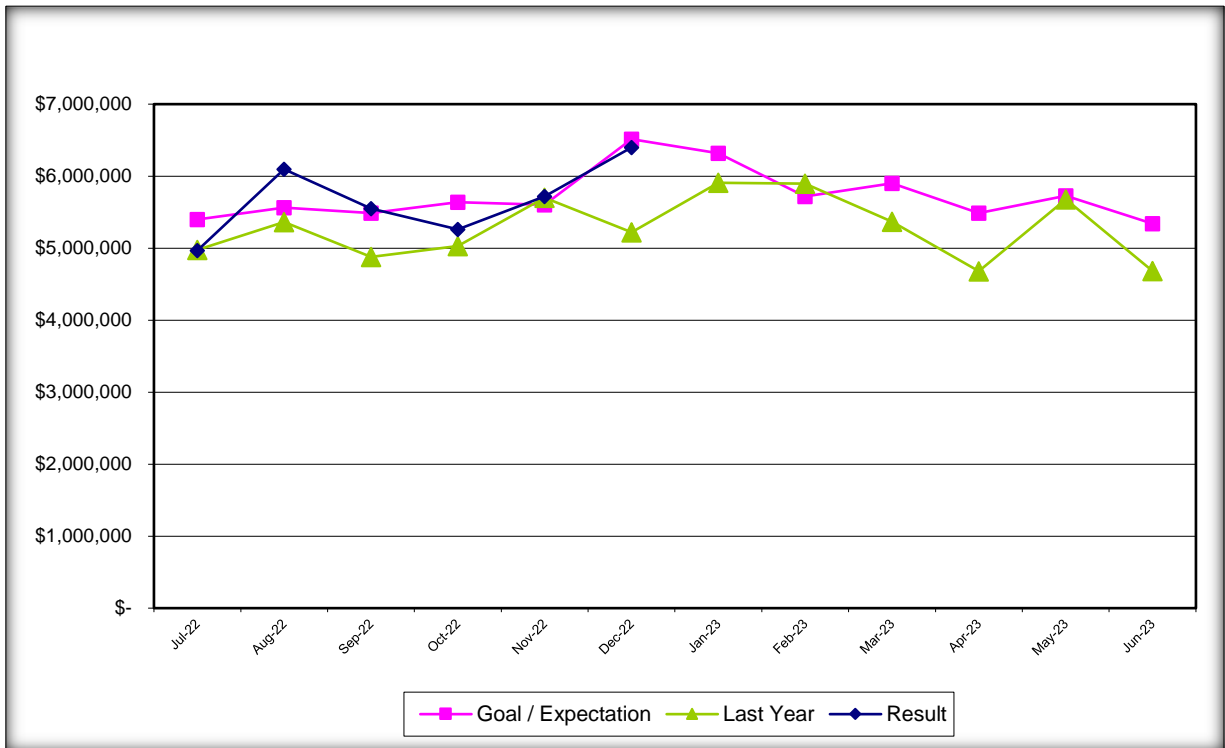


Figure 9: Fiscal Year 2023 Monthly Operating Revenue – Electric

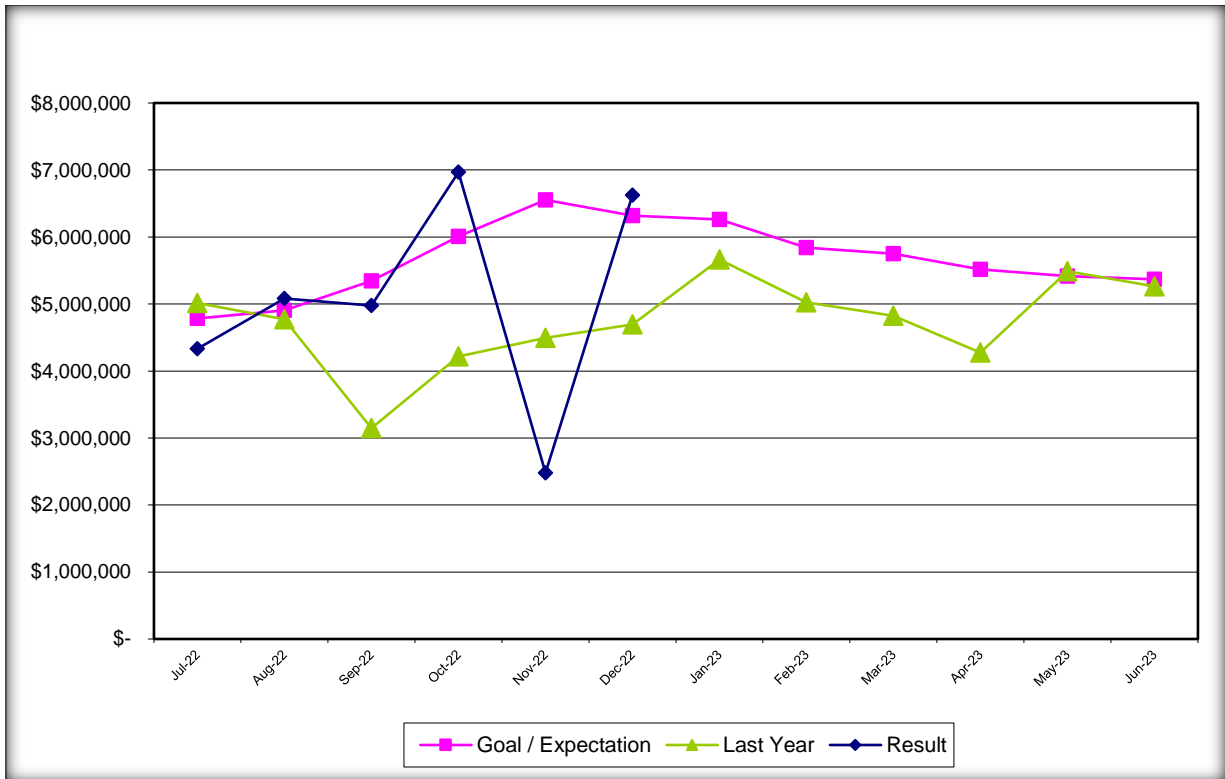


Figure 10: Fiscal Year 2023 Monthly Operating Expense – Electric

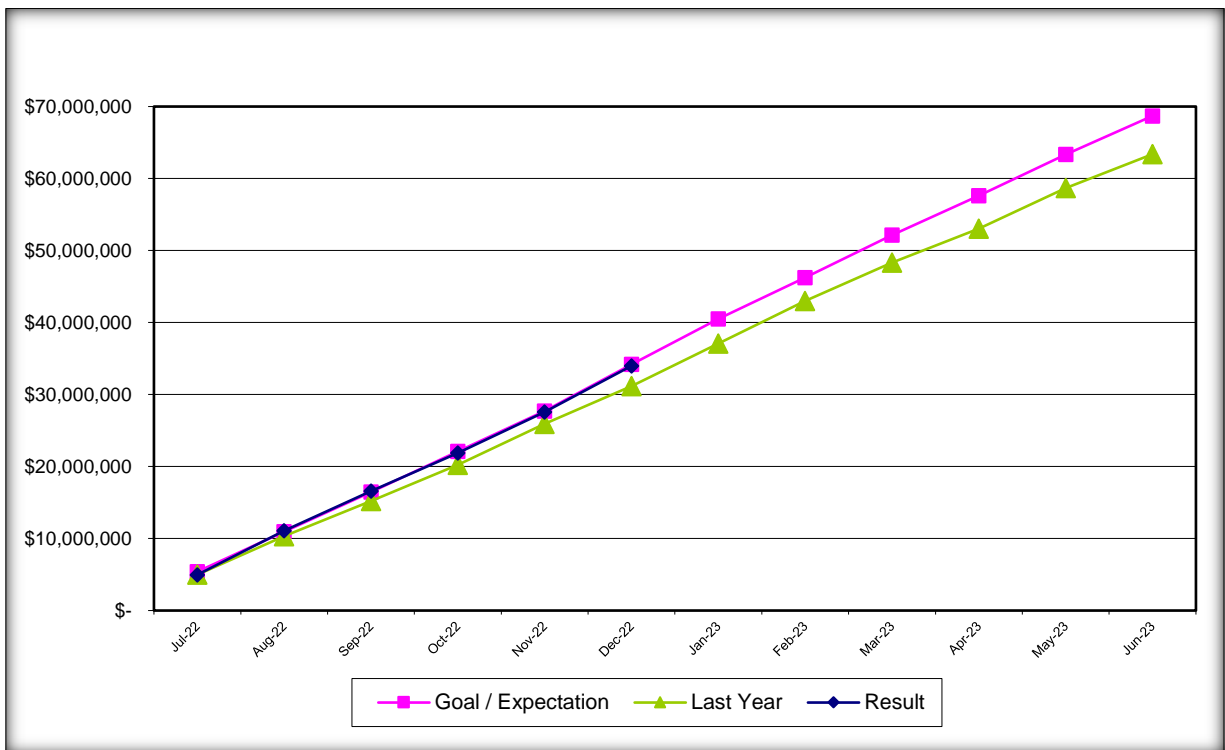


Figure 11: Fiscal Year 2023 Cumulative Operating Revenue – Electric

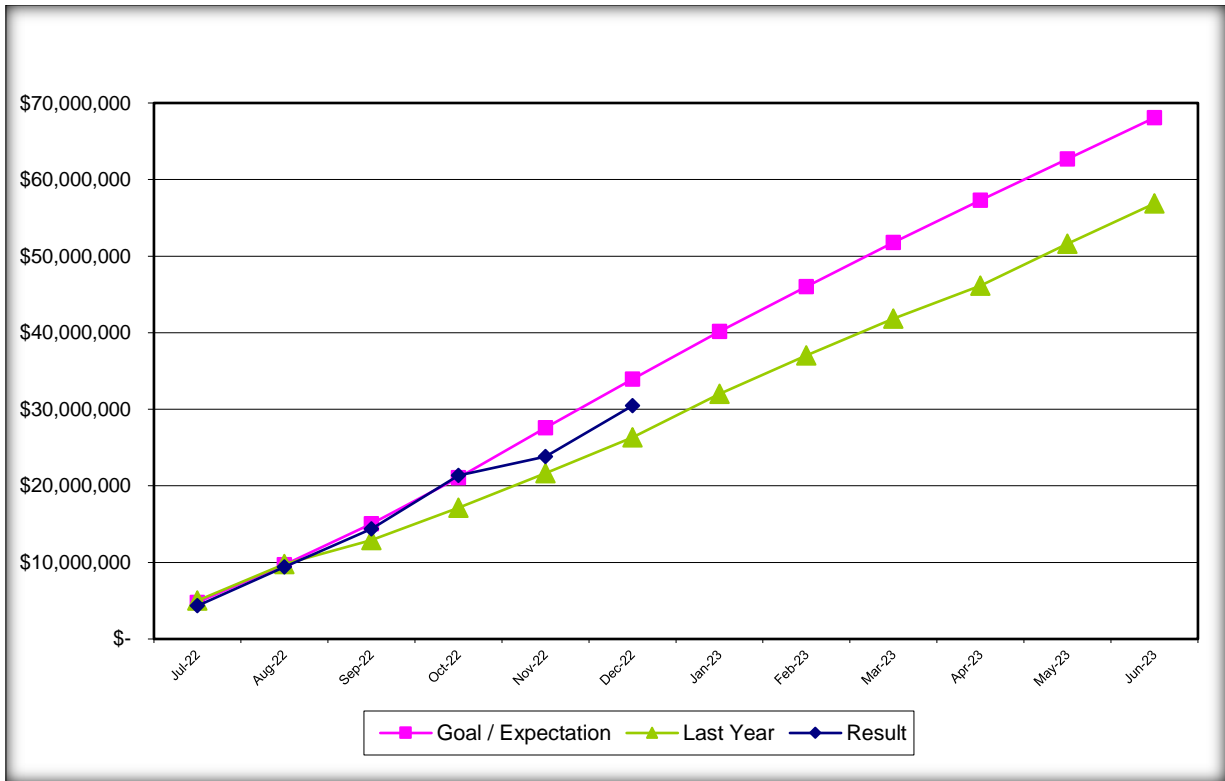


Figure 12: Fiscal Year 2023 Cumulative Operating Expense – Electric

Table 3: Special Revenue Summary – Fiscal Year 2023
Year-to-Date through December 2022

Cap & Trade Revenue Reserve - 10 2114	Funding from Cash Receipts	Power Costs	Operating Expenses	Capital Projects	Total Expenditures	Reserve Balance
Reserve Beginning Balance 6-30-2022						1,352,364
	-	(208,333)	-	(2,772)	(211,105)	1,141,259
	-	(208,333)	-	-	(208,333)	932,926
	515,268	(208,333)	-	-	(208,333)	1,239,861
	-	(208,333)	-	-	(208,333)	1,031,528
	-	(208,333)	-	-	(208,333)	823,195
	511,451	(208,333)	-	-	(208,333)	1,126,313
					-	1,126,313
					-	1,126,313
					-	1,126,313
					-	1,126,313
					-	1,126,313
Total To Date	1,026,719	(1,249,998)	-	(2,772)	(1,252,770)	1,126,313

Renewable Energy Credits Revenue Reserve - 10 2113	Funding from Cash Receipts	Power Costs	Operating Expenses	Capital Projects	Total Expenditures	Reserve Balance
Reserve Beginning Balance 6-30-2022						17,657,720
	-	-	(4,347)	-	(4,347)	17,653,373
	-	-	(12,924)	-	(12,924)	17,640,449
	-	-	-	-	-	17,640,449
	-	-	(21,734)	-	(21,734)	17,618,715
	-	-	-	-	-	17,618,715
	-	(111,600)	(29,952)	-	(141,552)	17,477,163
					-	17,477,163
					-	17,477,163
					-	17,477,163
					-	17,477,163
					-	17,477,163
					-	17,477,163
Total To Date	-	(111,600)	(68,958)	-	(180,558)	17,477,163

Low Carbon Fuel Standard Revenue Reserve - 10 2115	Funding from Cash Receipts	Power Costs	Operating Expenses	Capital Projects	Total Expenditures	Reserve Balance
Reserve Beginning Balance 6-30-2022						2,400,131
	-	-	(13,263)	-	(13,263)	2,386,868
	-	-	(9,665)	(47,079)	(56,744)	2,330,124
	-	-	(3,127)	(9)	(3,136)	2,326,989
	-	-	(2,704)	-	(2,704)	2,324,285
	-	-	-	-	-	2,324,285
	-	-	(65)	(235,437)	(235,502)	2,088,782
					-	2,088,782
					-	2,088,782
					-	2,088,782
					-	2,088,782
					-	2,088,782
					-	2,088,782
Total To Date	-	-	(28,824)	(282,525)	(311,349)	2,088,782

Combined Total 1,026,719 (1,361,598) (97,782) (285,297) (1,744,676) 20,692,258

OPERATIONAL STATISTICS

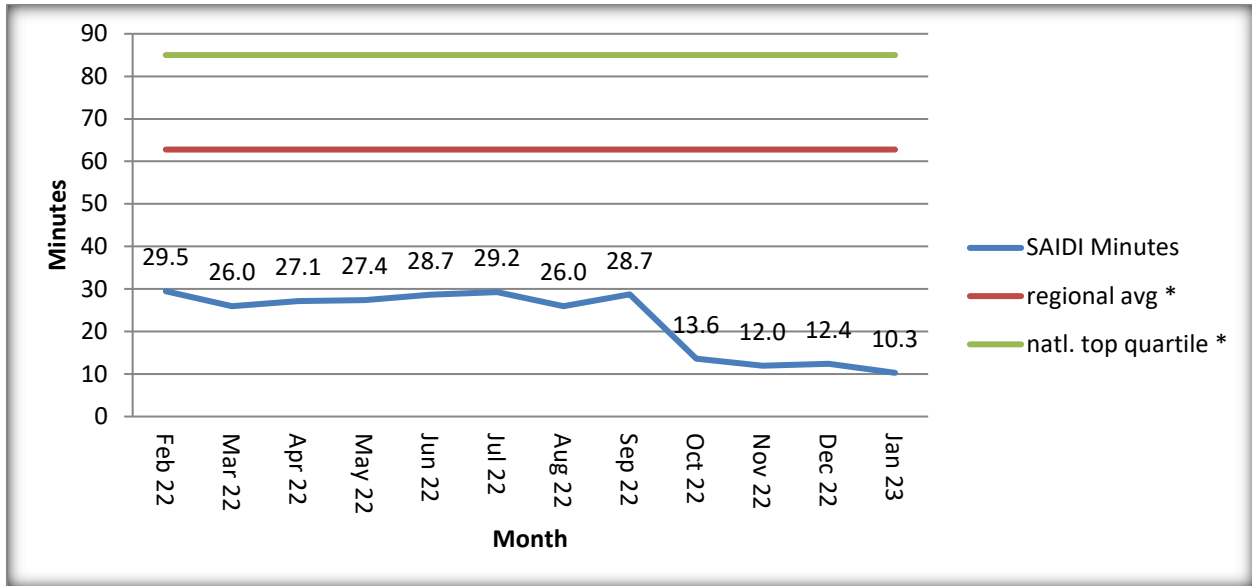


Figure 13: Rolling Twelve-Month System Average Interruption Duration Index (SAIDI)

*Based on Benchmark study of APPA Region 6

$$\text{SAIDI} = \frac{\text{Sum of customer-minutes off for all interruptions}}{\text{Total number of customers served}}$$

System Average Interruption Duration Index (SAIDI):

SAIDI is defined as the average duration of interruptions for customers served during a specified time period. Similar to CAIDI, but the number of customers served instead of affected is used. The unit is minutes. A common usage of SAIDI is "If all customers were without power the same amount of time, they would have been out for _____ minutes."

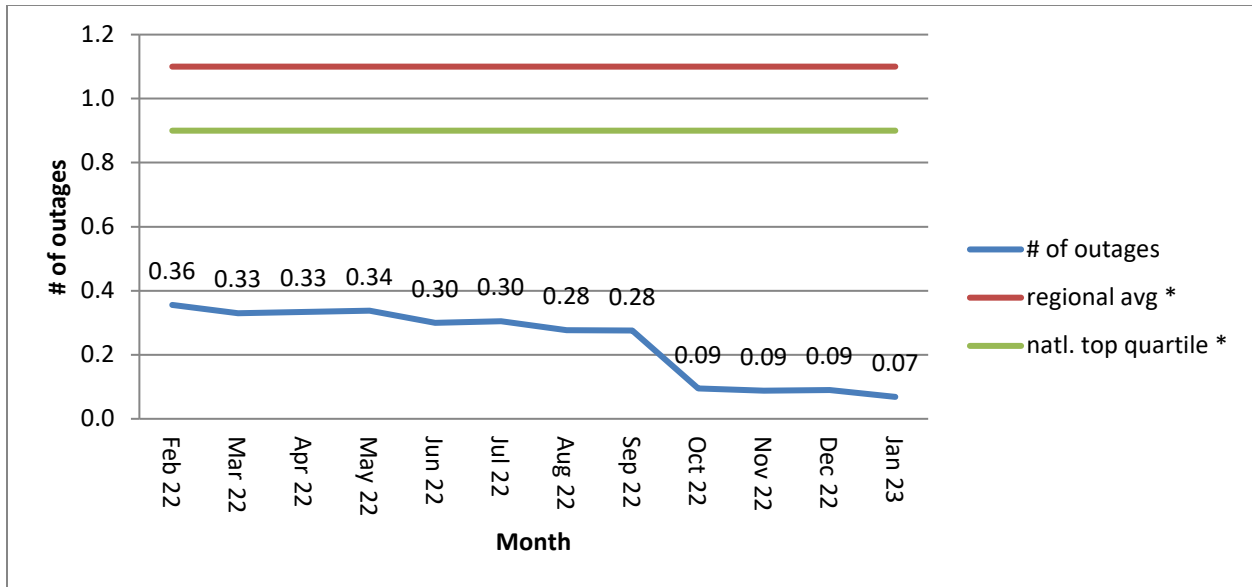


Figure 14: Rolling Twelve-Month System Average Interruption Frequency Index (SAIFI)

*Based on Benchmark study of Western Regional Utilities

$$\text{SAIFI} = \frac{\text{Total \# of customers affected by interruptions}}{\text{Total number of customers served}}$$

System Average Interruption Frequency Index (SAIFI):

SAIFI describes the average number of times a customer experiences a sustained interruption during a specified time period. The unit for SAIFI is 'interruptions per customer'. A common usage of SAIFI is "On average, customers experienced _____ interruptions".

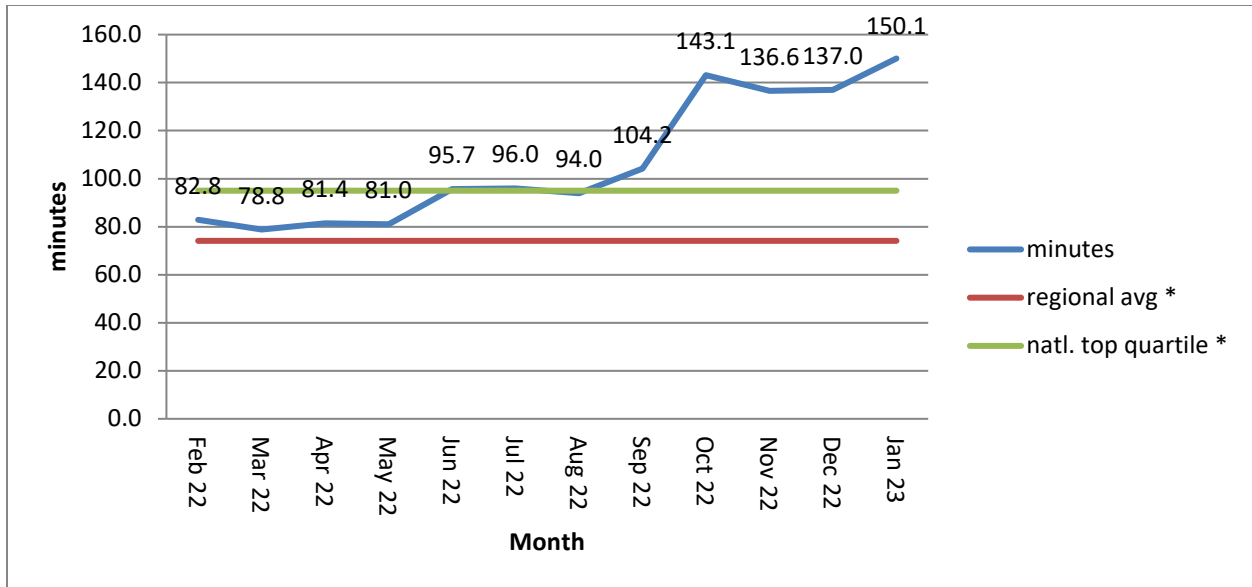


Figure 15: Rolling Twelve-Month Customer Average Interruption Duration Index (CAIDI)

*Based on Benchmark study of Western Regional Utilities

$$\text{CAIDI} = \frac{\text{Sum of customer-minutes off for all sustained interruptions}}{\text{Total \# of customers affected by the sustained interruptions}}$$

Customer Average Interruption Duration Index - CAIDI

CAIDI is the weighted average length of an interruption for customers affected during a specified time period. The unit of CAIDI is minutes. A common usage of CAIDI is "The average customer that experienced an outage is out for _____ minutes.

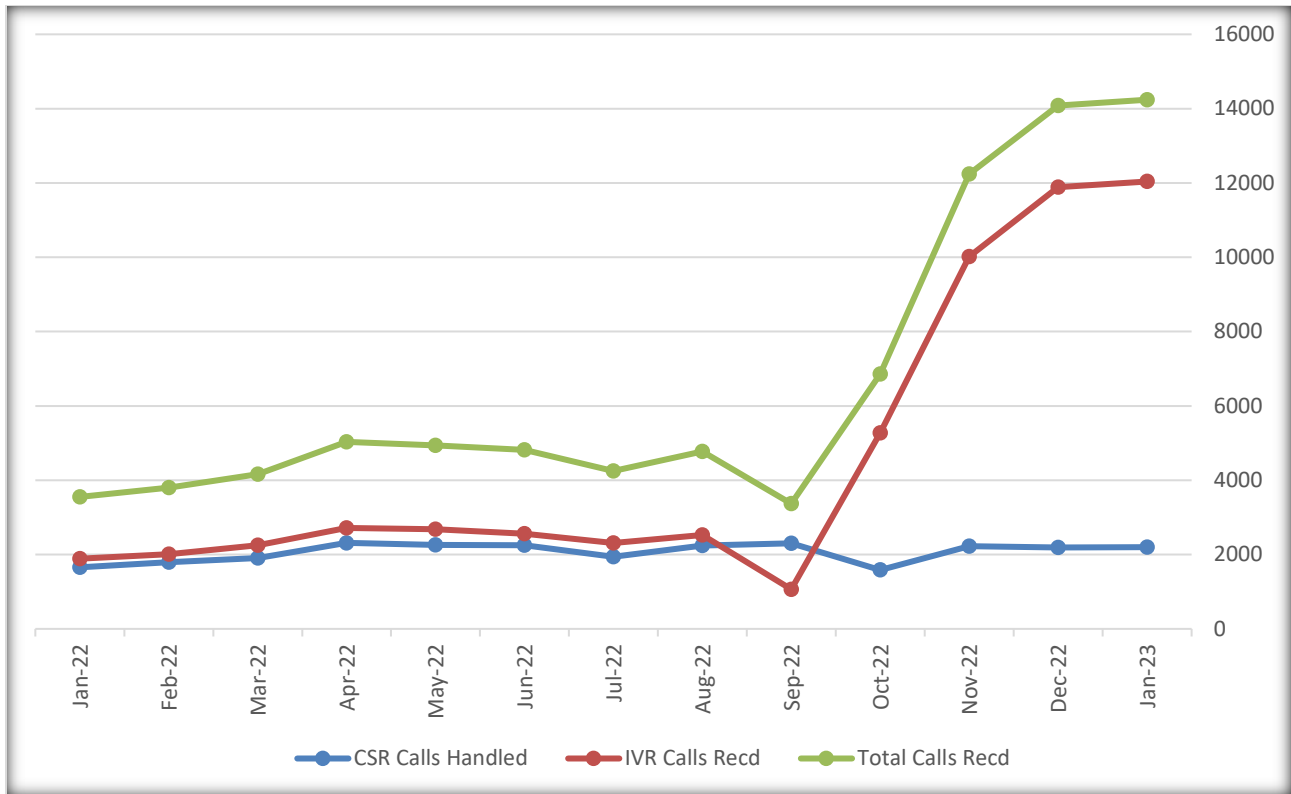


Figure 16: Call Volume Through January 31, 2023

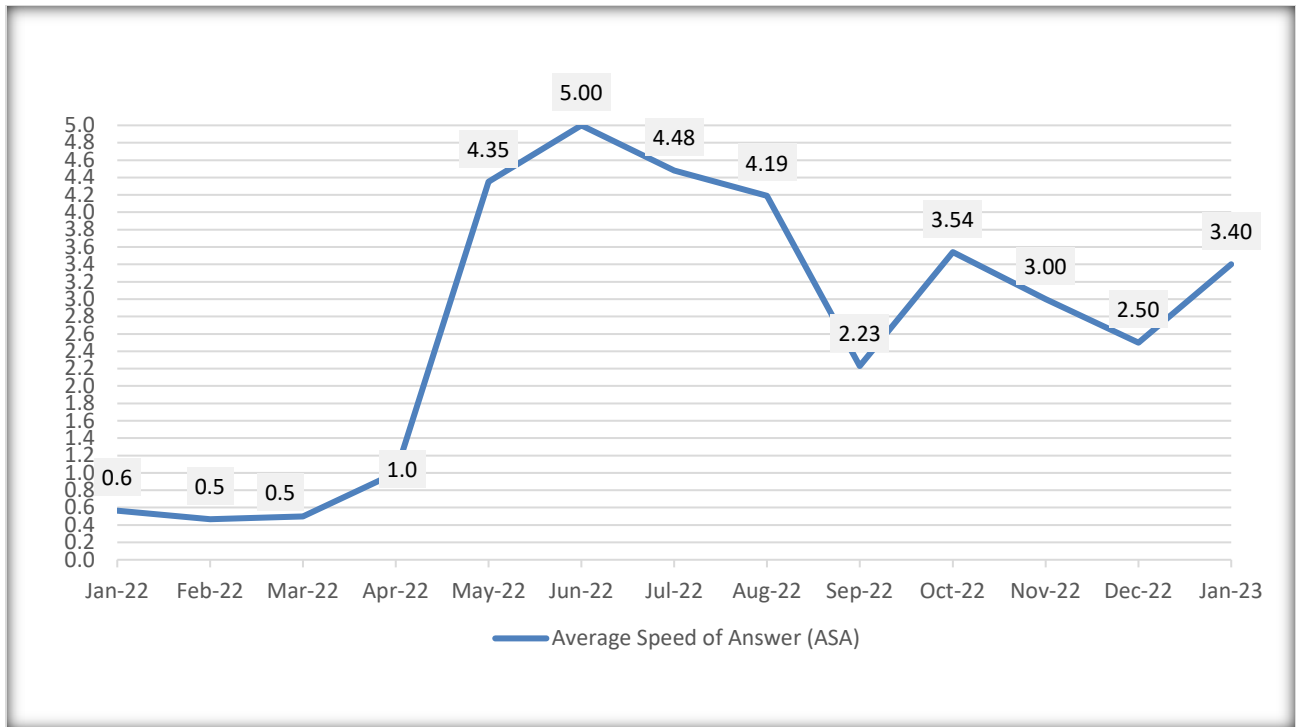


Figure 17: Average Speed of Answer (Minutes) Through January 31, 2023