



To: Honorable President and
Members of the Public Utilities Board

From: Nicolas Procos, General Manager

Re: General Manager's Report – October, 2021

PUB Highlights

➤ **Customer Service Update:**

- The Friends of Alameda Animal Shelter is building a new 8,000 sq ft community center and clinic on North Loop Road. Alameda Municipal Power (AMP) is encouraging all electric construction for the new clinic which will serve as a spay and neuter clinic and a satellite office for the Bay Farm community. Planning is ongoing and the project is expected to be completed in late 2022.
- Wright Speed is evaluating both direct-current fast charger (DCFC) electric vehicle (EV) charging as well as Level 2 EV charging for employees and guests. Wright Speed, located at Alameda Point, is designing the world's most efficient electric vehicle powertrains for buses and large trucks.
- In early October, the Customer Resource Division (CRD) prepared individual letters for 1,850 customers with past due balances to advise that the moratorium on disconnections for non-payment could end in the near future, along with a reminder that AMP has financial assistance programs and payment plans available. Within two weeks, 27 percent of these customers made a payment resulting in a 19 percent reduction in the overall past due balance.
- AMP requested approximately \$1 million from the state administered California Arrearage Payment Program (CAPP). Staff recently was informed AMP will receive 65 percent of that amount from the program. Staff is currently working on program parameters and is on track to bring this item to the PUB in December.

➤ **Energy Resource Planning/NCPA Update:**

- The record rainfall in October increased New Spicer Meadows (NSM) storage by 5.5ft and 5,500 acre-feet of water. Later parts of the storm also brought snow to the area, which should mark the end of their fire season and will further increase levels upon melting. However, despite this weather event reaching the level of a 100-year storm NSM still requires another 120,000 acre-ft or up to 20 more similar storms to reach full capacity.

➤ **Engineering & Operations (E&O):**

- Recruiting is still very challenging, but AMP is pleased to welcome three new hires for important positions:
 - Substation & Meter Supervisor – No new developments

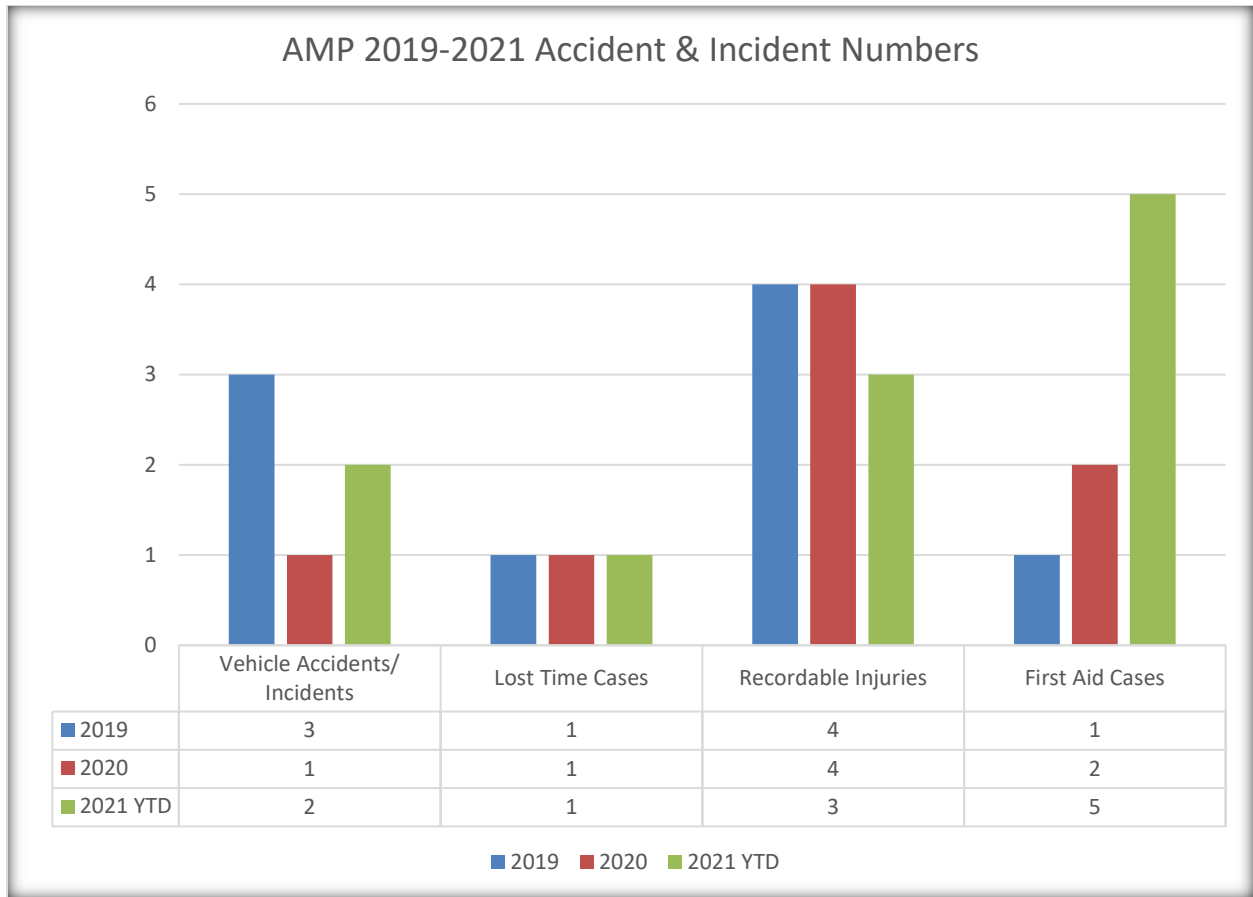
- Line Superintendent - starting 11/15
- Administrative Coordinator, starting 11/15
- Electrical Engineer: starting 11/08
- Lineworker: Considering hiring 2 apprentices

- *Underground Utility District 38*
 - Joint trench design & coordination in progress

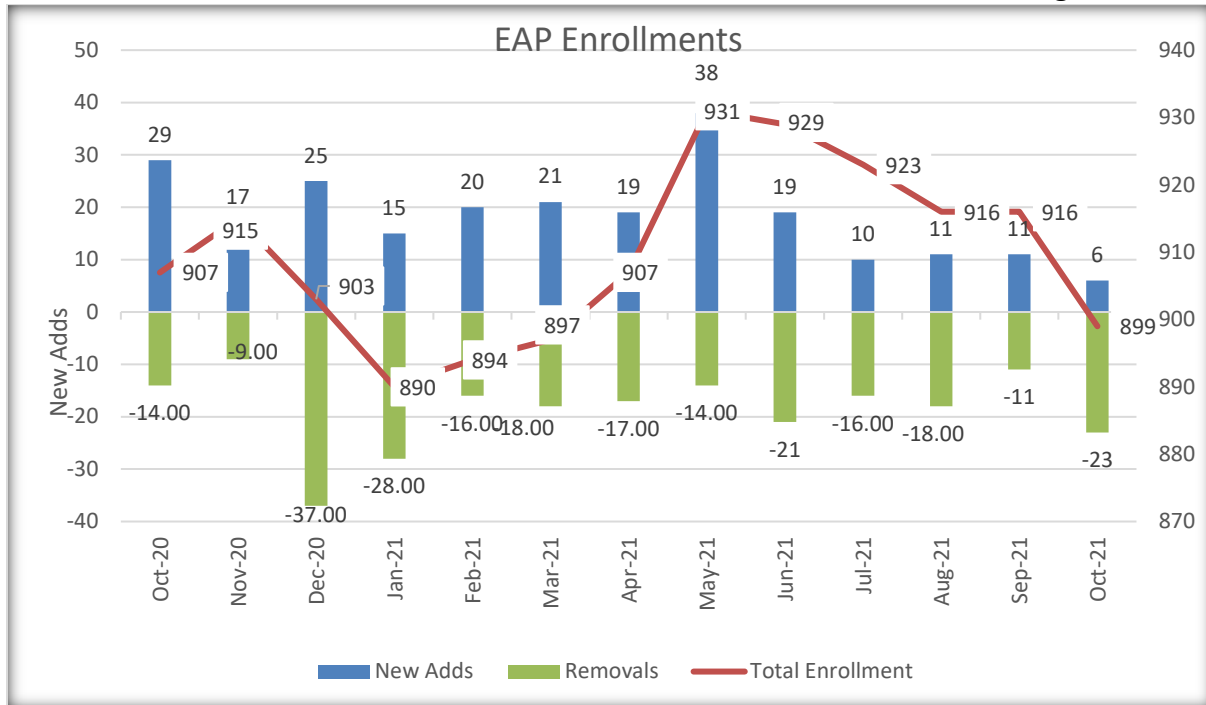
- Outages
 - 10/29/21, 28 customers, 2.5 hrs, transformer failure
 - 10/24/21, 35 customers, 2.5 hrs, transformer failure
 - 10/21/21, 13,000 customers, 90 min. AMP helping at Coast Guard Housing caused a trip that cascaded.
 - 10/11/21, 99 customers, 45 min, customer owned backyard vegetation.

- **Safety October 2021:**
 - Lost Time Cases: 0
 - Recordable Injuries: 0
 - First Aid Cases: 1
 - Vehicle Accidents/ Incidents: 0
 - Vandalism Incidents: 0

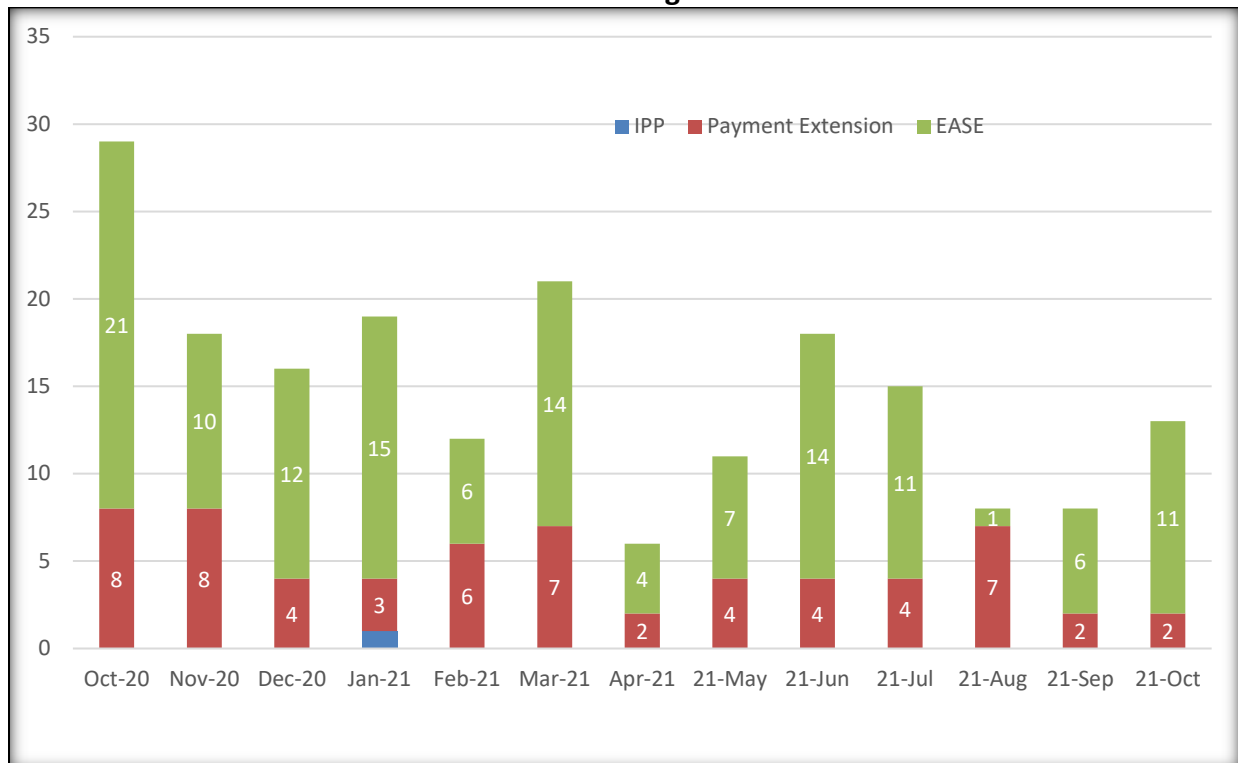
- **Safety Year-to-Date 2021:**
 - Lost Time Cases: 1
 - Recordable Injuries: 3
 - First Aid Cases: 5
 - Vehicle Accidents/ Incidents: 3
 - Vandalism Incidents: 8 (7 incidents at Alameda Point and 1 incident on 8/1/21 where vandals hopped the service center concrete wall damaging sheet metal used as vehicle weather protection and cutting out 3 catalytic convertors from vehicles 419 (Dodge Truck) and 427 and 428 (2002 GM Safari vans).



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 October 25, 2021

SUMMARY OF ENERGY EFFICIENCY PROGRAMS AS OF October 25th, 2021					
Program	Annual Savings Target kWh/yr	Q1-21	Oct-21	Cumulative Energy Savings kWh/yr	Percent of Annual Target
Residential Lighting	13,000	1,306		1,306	10.05%
Residential Other		4,987	770	5,757	
EAP+ (Low Income Residential)		30,986	2047	30,986	
Energy Plus	851,541	159,417	355,667	515,085	60%
Non-Residential Lighting, Custom	165,680				0%
Non-Residential Customized, Other	162,904				0%
Non-Residential New Construction	38,875				
Non-Residential, Other					
TOTAL	1,232,000			553,134	44.9%

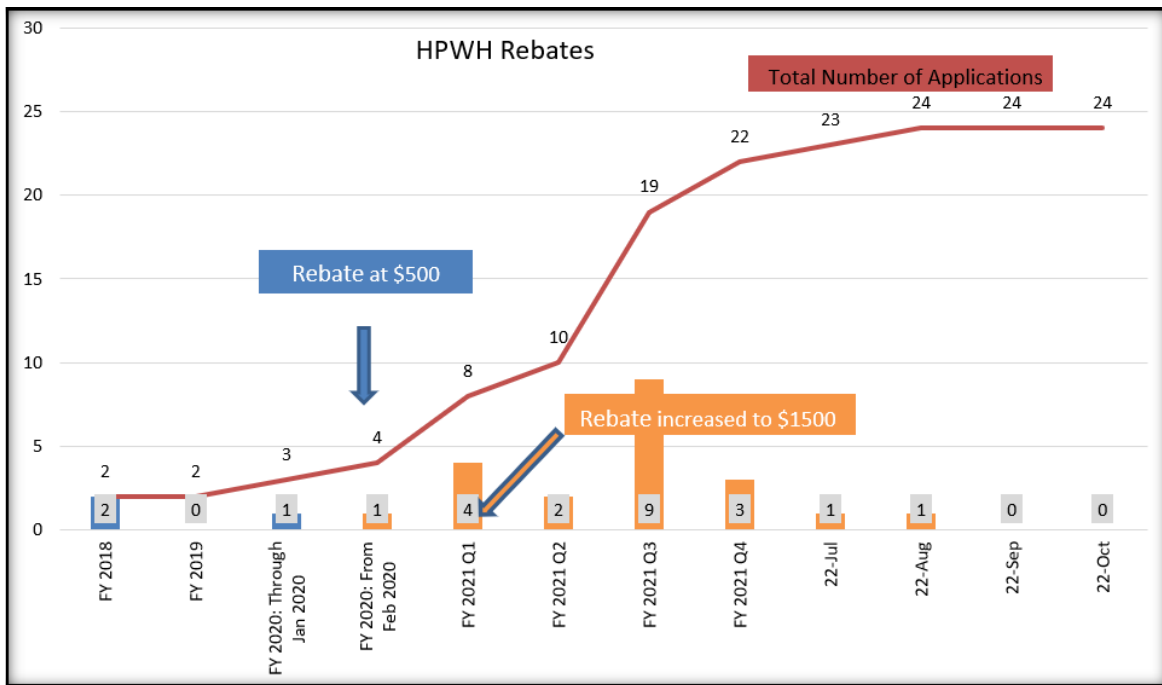


Figure 1: Total Number of Approved Heat Pump Water (HPWH) Rebate Applications

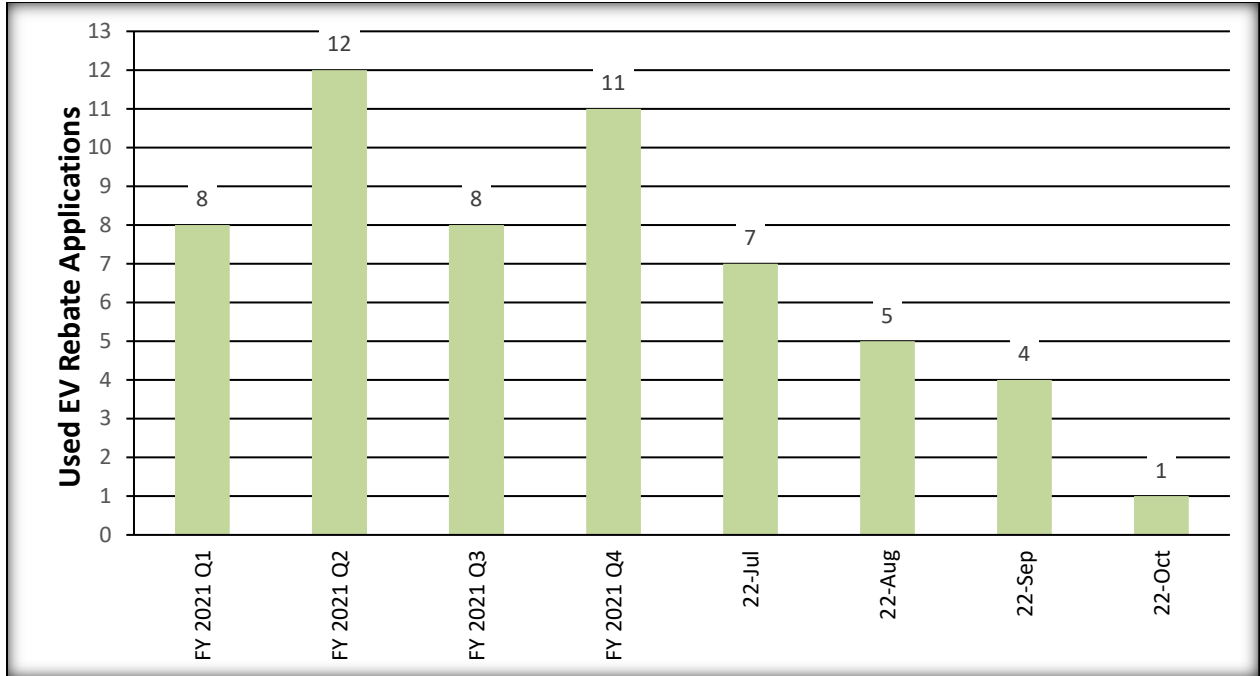


Figure 2: Residential Used Electric Vehicle Rebates

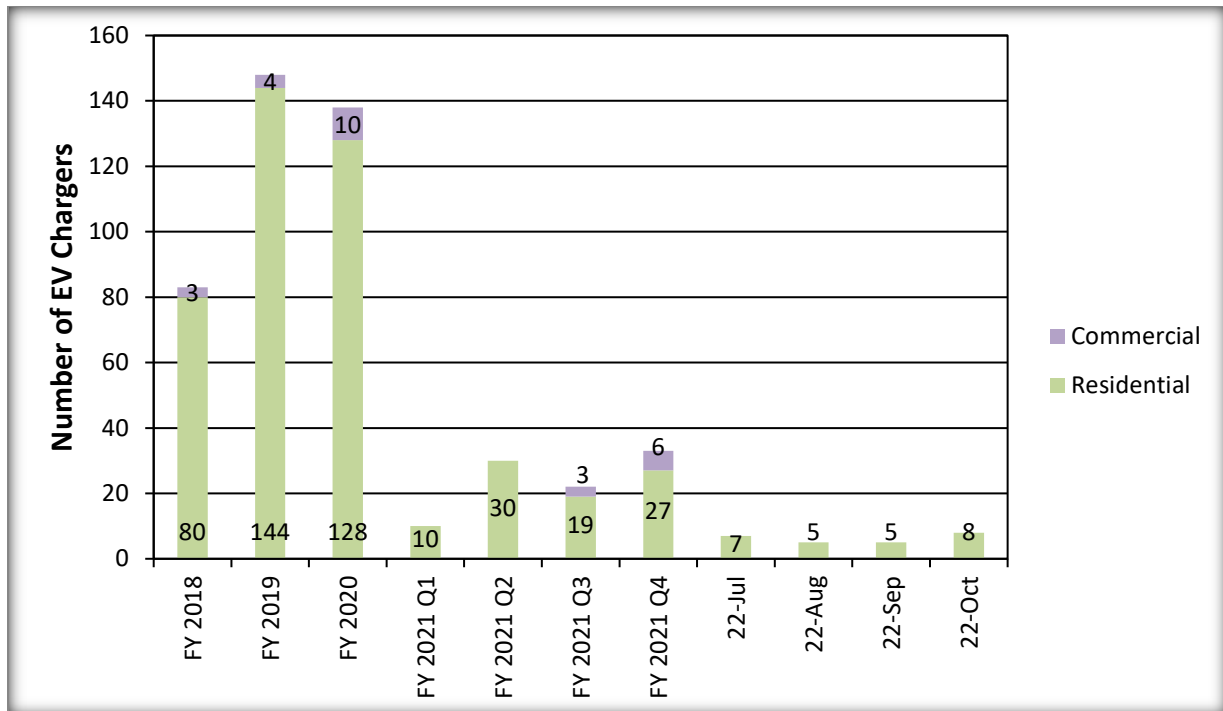


Figure 3: Electric Vehicle Charger Rebates

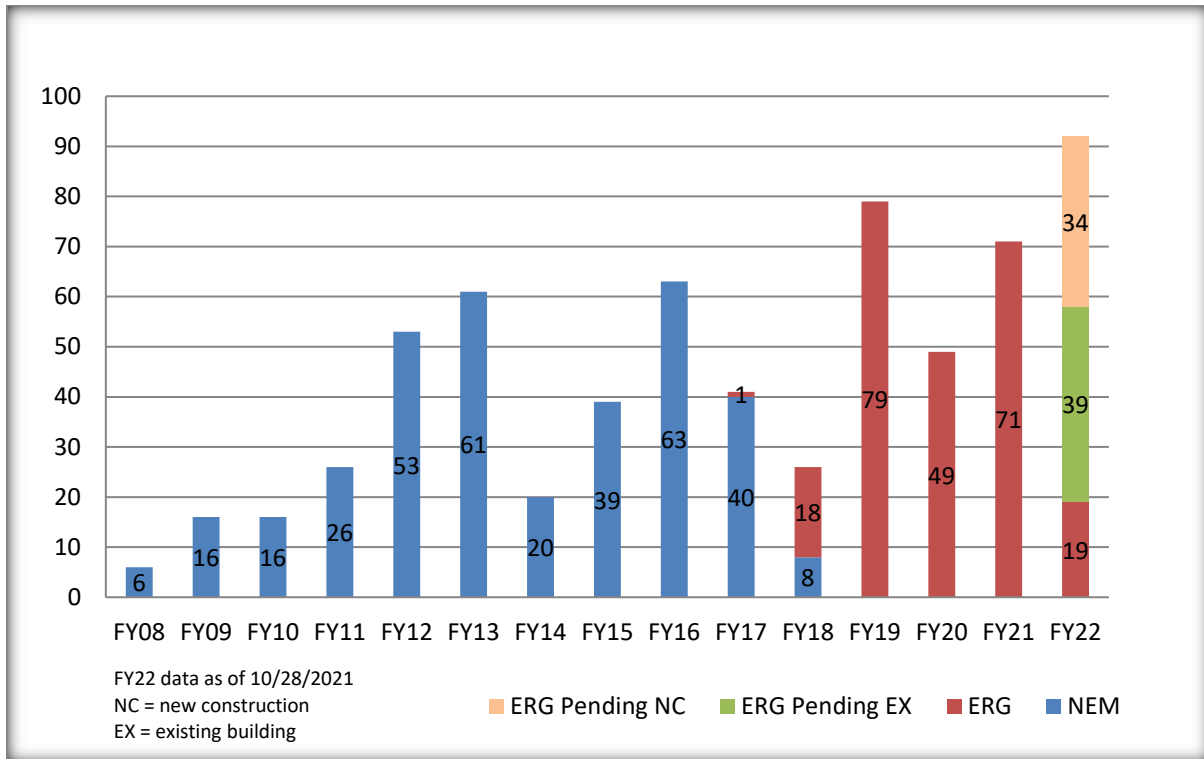


Figure 4: Residential Solar Interconnections

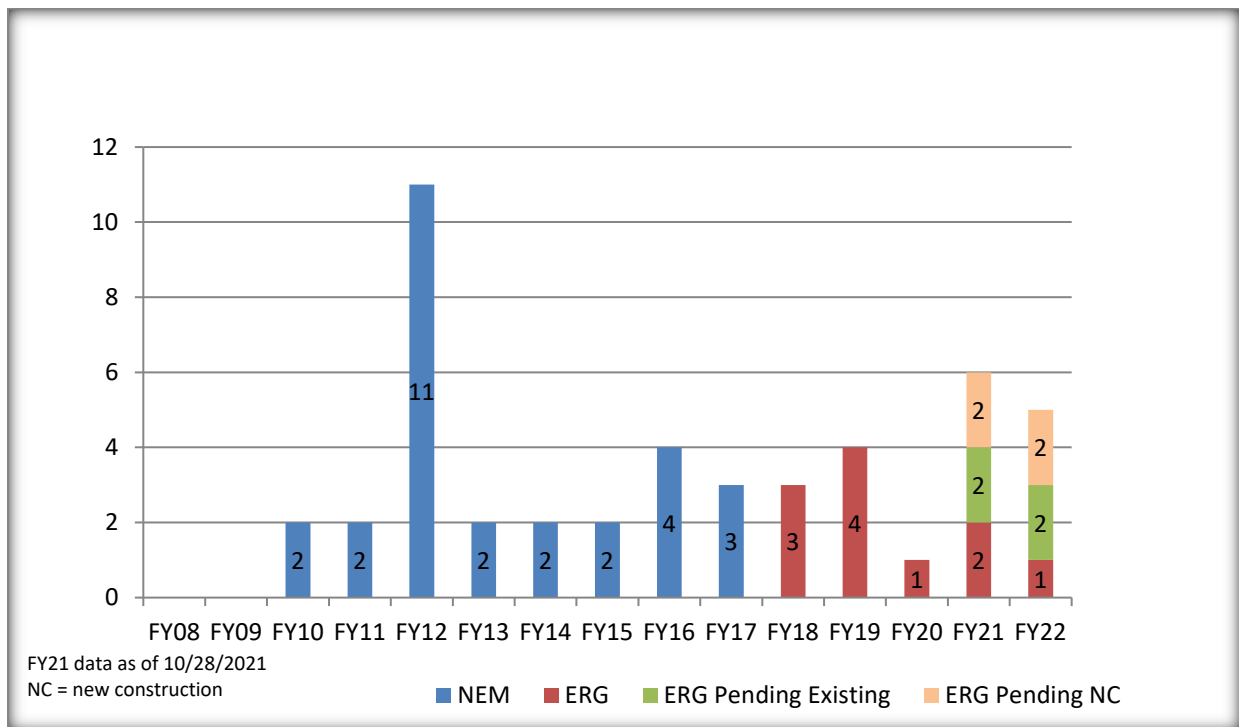


Figure 5: Commercial Solar Interconnections

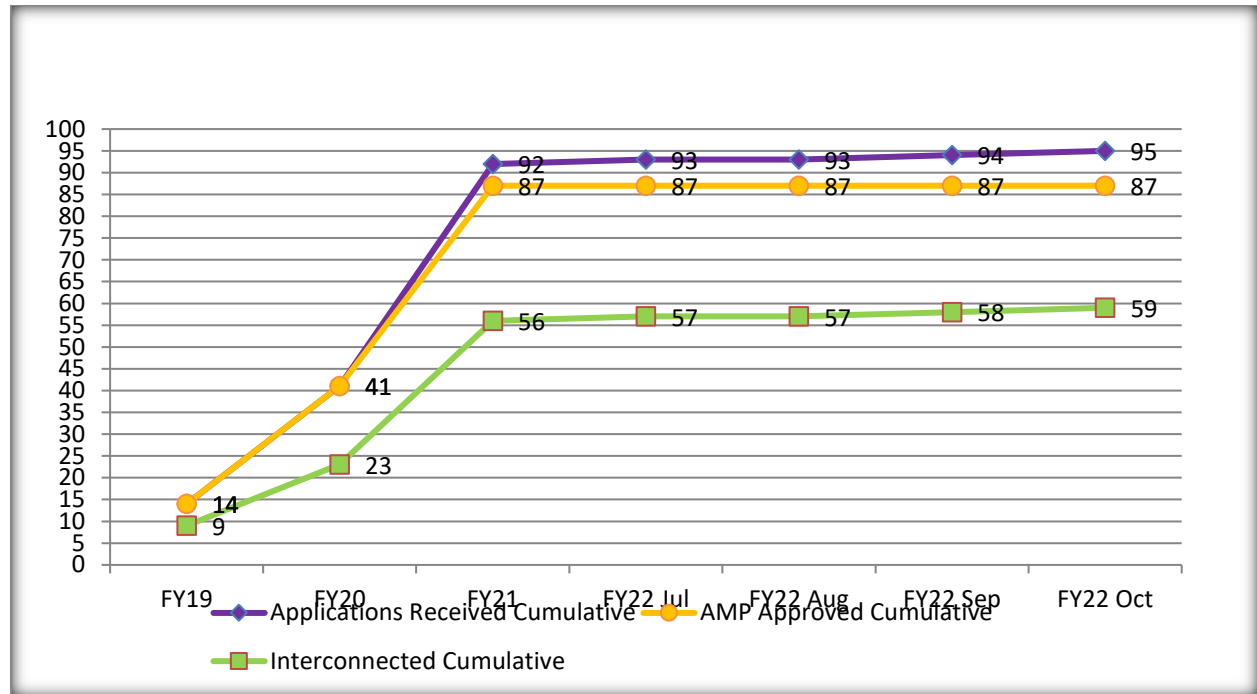


Figure 6: Cumulative Battery Storage

FINANCIALS

**Table 2: Monthly and Year to Date Total Operating Revenue
 and Expense Report as of October 31, 2021**

<i>Report Status as of:</i>				
October 31, 2021	Monthly		Annual (FY) To Date	
	Goal	Result	Goal	Result
Total Operating Revenue - Electric (September 2021)	5,171,747	4,876,569	15,606,846	15,215,148
Total Operating Expense - Electric (September 2021)	4,855,723	3,146,102	14,101,839	12,930,126
Note: Shaded areas indicate the data is displayed on the accompanying graphs				

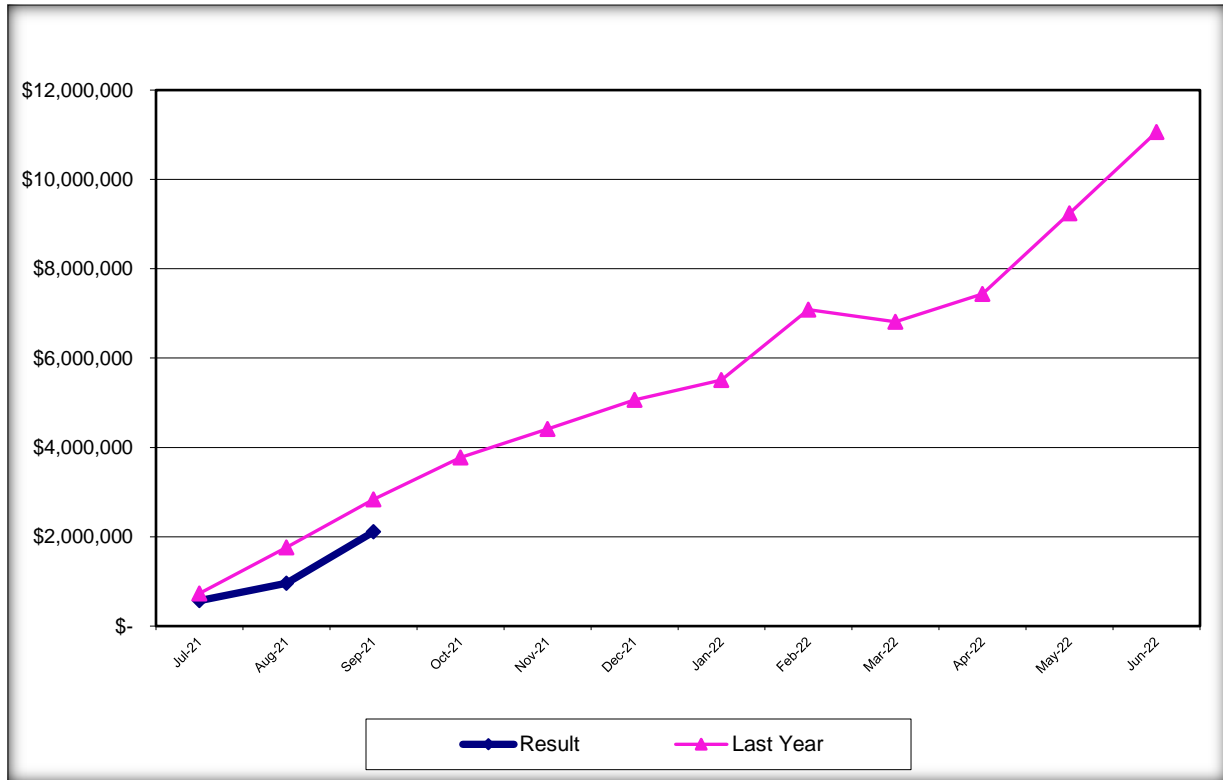


Figure 7: Fiscal Year 2022 Cumulative Net Income – Electric

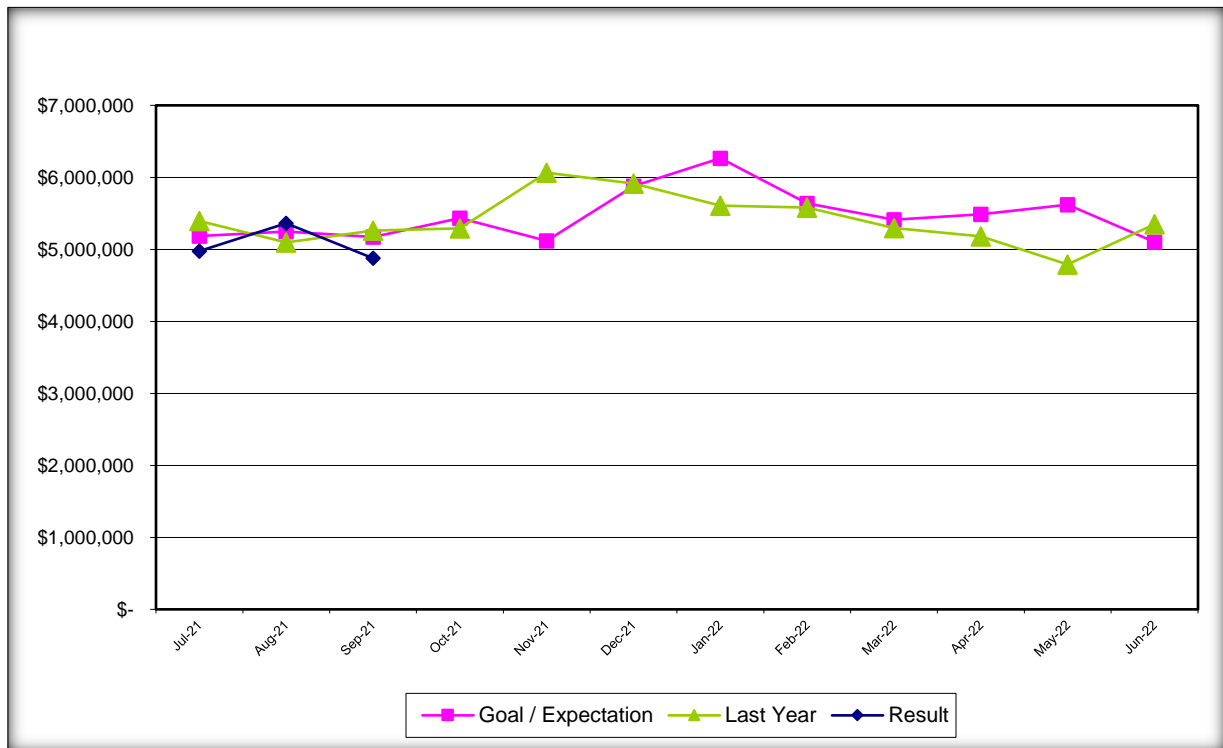


Figure 8: Fiscal Year 2022 Monthly Operating Revenue – Electric

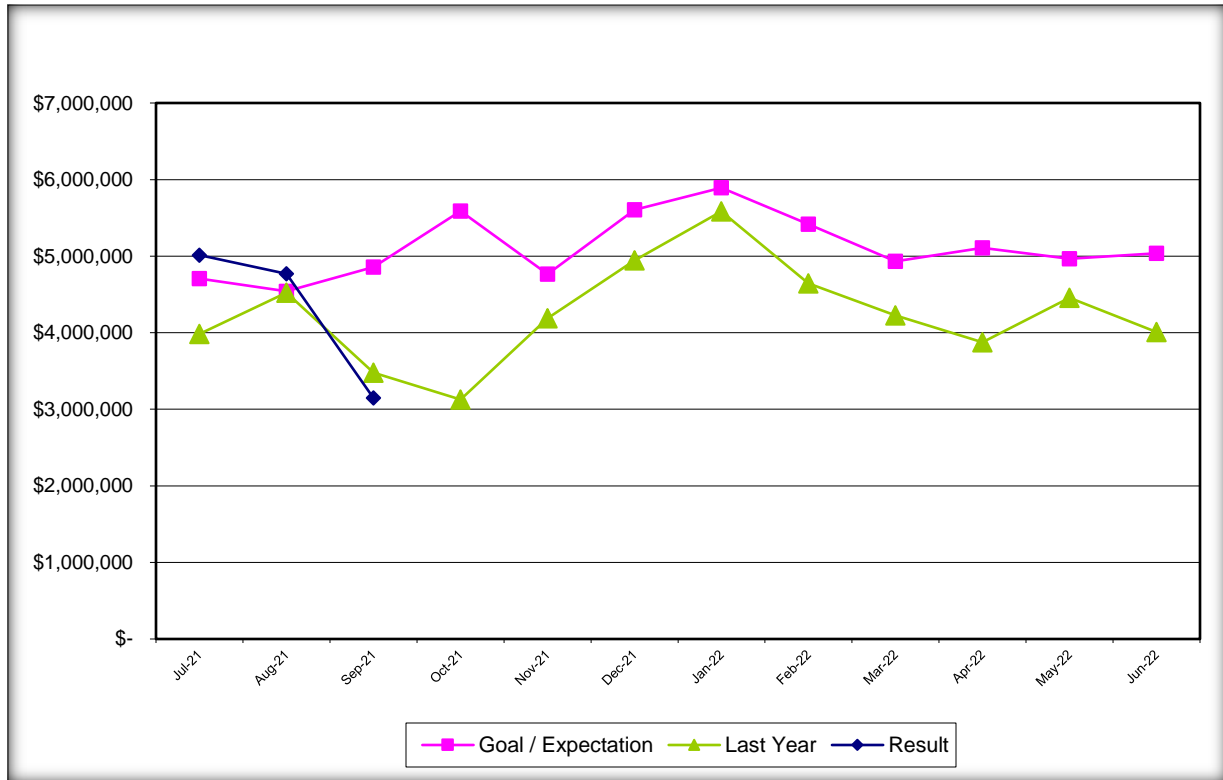


Figure 9: Fiscal Year 2022 Monthly Operating Expense – Electric

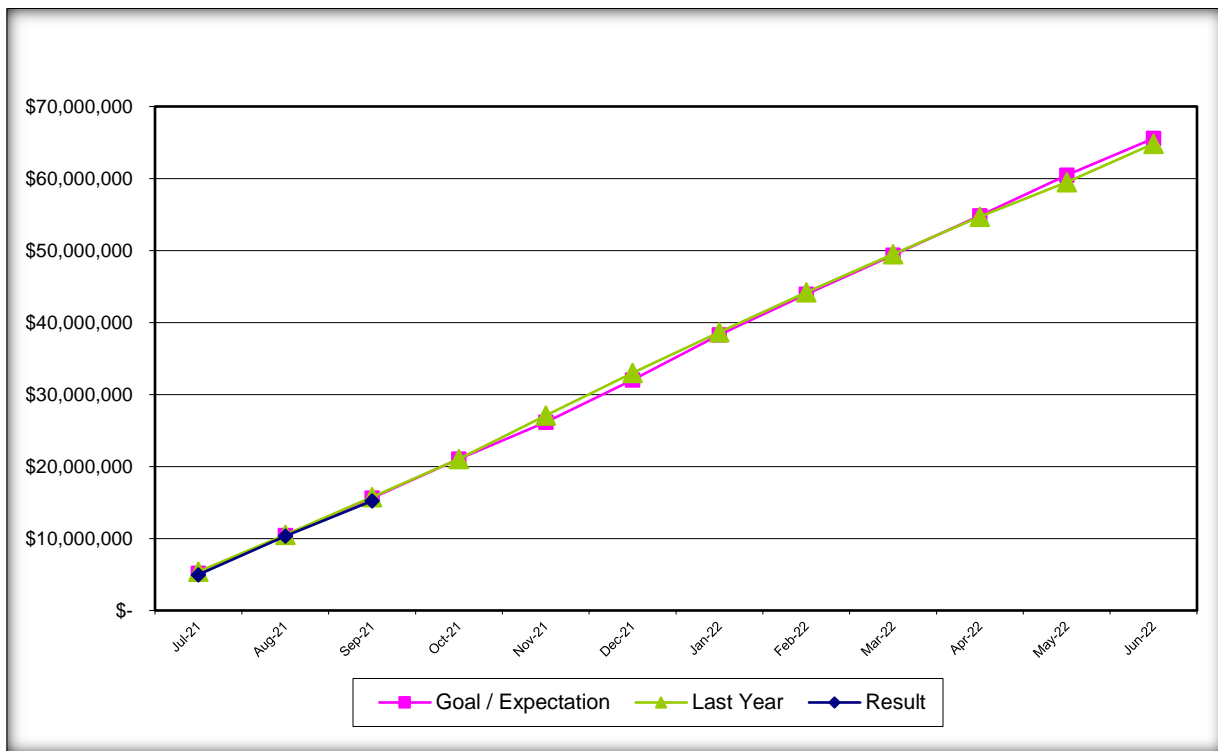


Figure 10: Fiscal Year 2022 Cumulative Operating Revenue – Electric

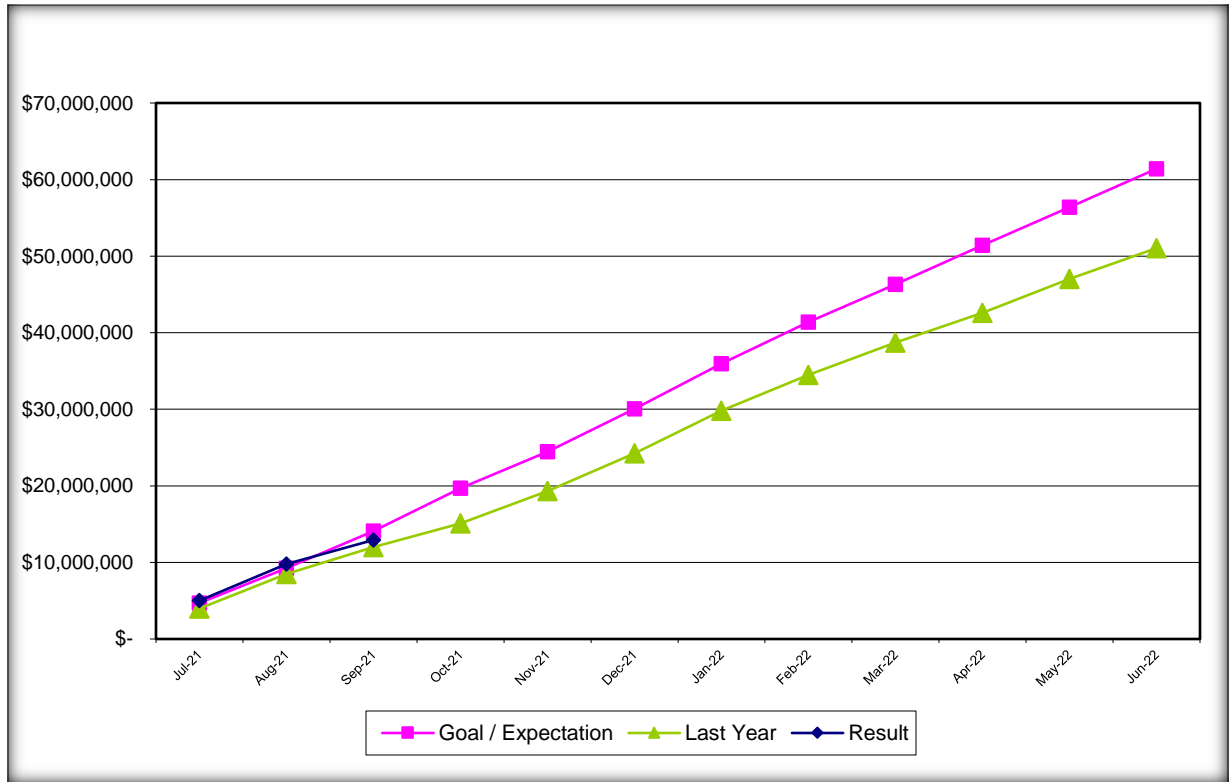


Figure 11: Fiscal Year 2022 Cumulative Operating Expense – Electric

Table 3: Special Revenue Summary – Fiscal Year 2022
Year-to-Date through September 2021

GENERAL MANAGER'S REPORT
REPORTING PERIOD: October 2021

AGENDA ITEM NO.: 6.A.13
MEETING DATE: 11/15/2021

Cap & Trade Revenue Reserve - 10 2114	Funding from Cash Receipts	Power Costs	Operating Expenses	Capital Projects	Total Expenditures	Reserve Balance
Reserve Beginning Balance 6-30-2021						2,563,026
Jul-21	-	(250,000)		(782)	(250,782)	2,312,245
Aug-21	-	(250,000)		(2,541)	(252,541)	2,059,704
Sep-21	461,014	(250,000)		(3,325)	(253,325)	2,267,393
Oct-21					-	2,267,393
Nov-21					-	2,267,393
Dec-21					-	2,267,393
Jan-22					-	2,267,393
Feb-22					-	2,267,393
Mar-22					-	2,267,393
Apr-22					-	2,267,393
May-22					-	2,267,393
Jun-22					-	2,267,393
Total To Date	461,014	(750,000)	-	(6,648)	(756,648)	2,267,393

Renewable Energy Credits Revenue Reserve - 10 2113	Funding from Cash Receipts	Power Costs	Operating Expenses	Capital Projects	Total Expenditures	Reserve Balance
Reserve Beginning Balance 6-30-2021						18,723,616
Jul-21	-		(7,969)	(638)	(8,608)	18,715,008
Aug-21	-		(8,507)	-	(8,507)	18,706,501
Sep-21	-		(106,002)	-	(106,002)	18,600,499
Oct-21					-	18,600,499
Nov-21					-	18,600,499
Dec-21					-	18,600,499
Jan-22					-	18,600,499
Feb-22					-	18,600,499
Mar-22					-	18,600,499
Apr-22					-	18,600,499
May-22					-	18,600,499
Jun-22					-	18,600,499
Total To Date	-	-	(122,479)	(638)	(123,117)	18,600,499

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 6-30-2021						2,516,896
Jul-21	-		(10,543)		(10,543)	2,506,353
Aug-21	-		(11,152)		(11,152)	2,495,201
Sep-21			(4,178)		(4,178)	2,491,023
Oct-21					-	2,491,023
Nov-21					-	2,491,023
Dec-21					-	2,491,023
Jan-22					-	2,491,023
Feb-22					-	2,491,023
Mar-22					-	2,491,023
Apr-22					-	2,491,023
May-22					-	2,491,023
Jun-22					-	2,491,023
Total To Date	-	-	(25,872)	-	(25,872)	2,491,023

Combined Total **461,014** **(750,000)** **(148,351)** **(7,286)** **(905,637)** **23,358,915**

OPERATIONAL STATISTICS

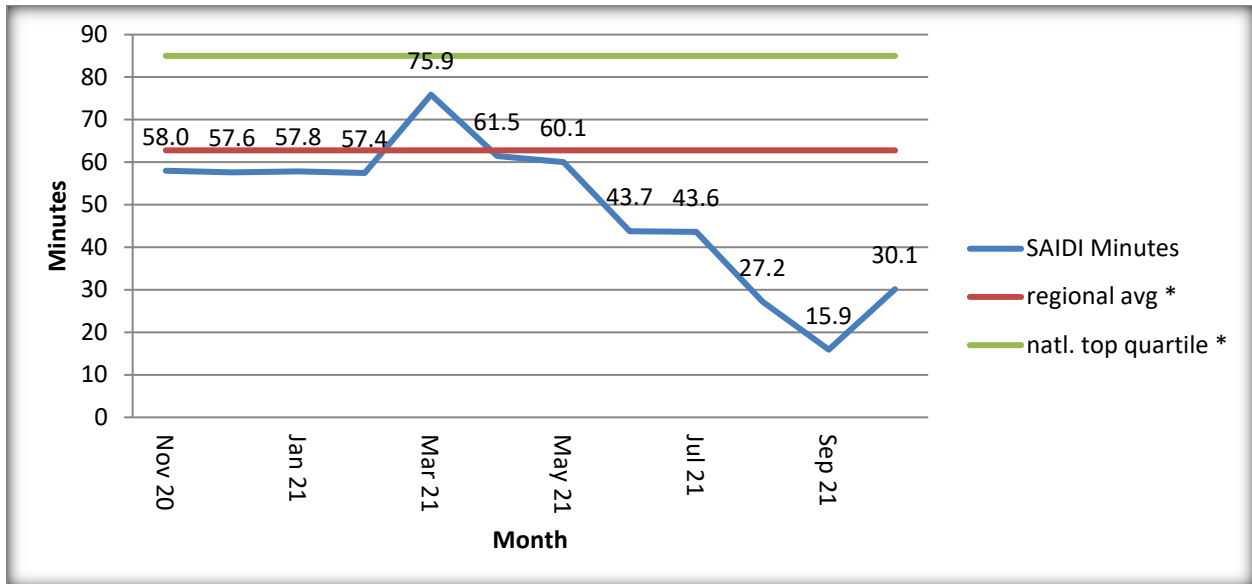


Figure 12: Rolling Twelve-Month System Average Interruption Duration Index (SAIDI)

*Based on Benchmark study of APPA Region 6

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.

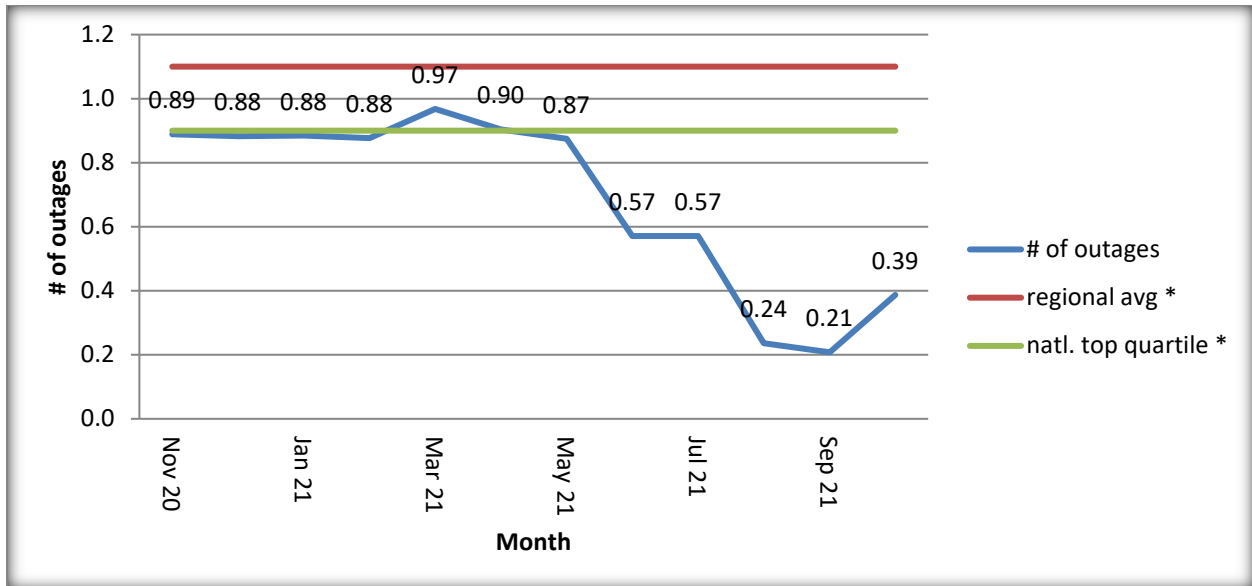


Figure 13: Rolling Twelve-Month System Average Interruption Frequency Index (SAIFI)

*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".

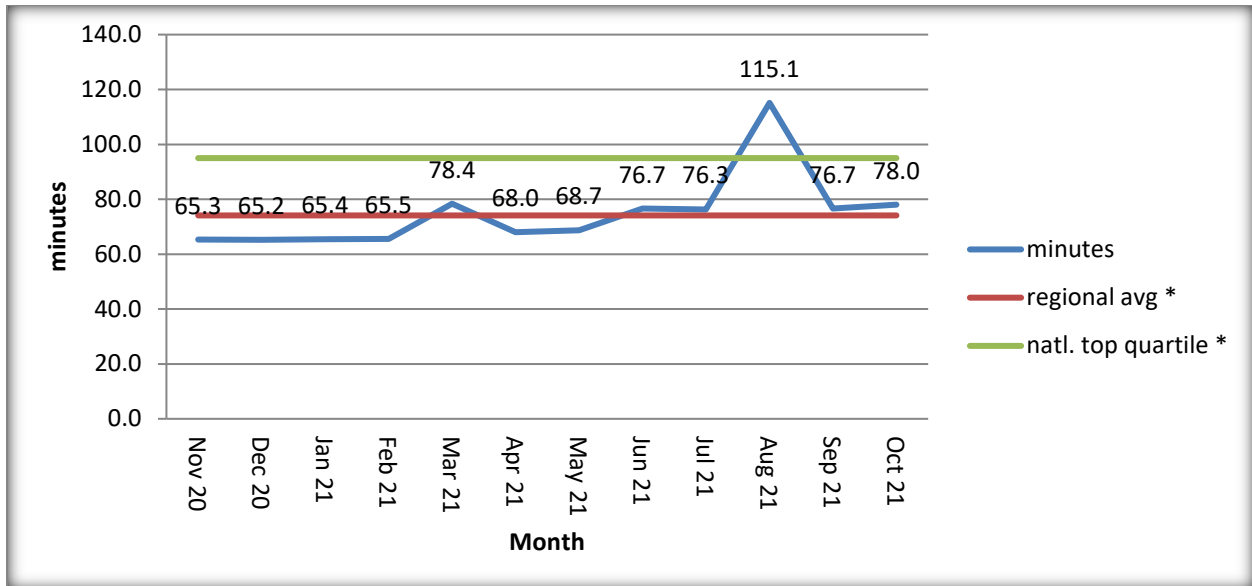


Figure 14: Rolling Twelve-Month Customer Average Interruption Duration Index (CAIDI)

*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."

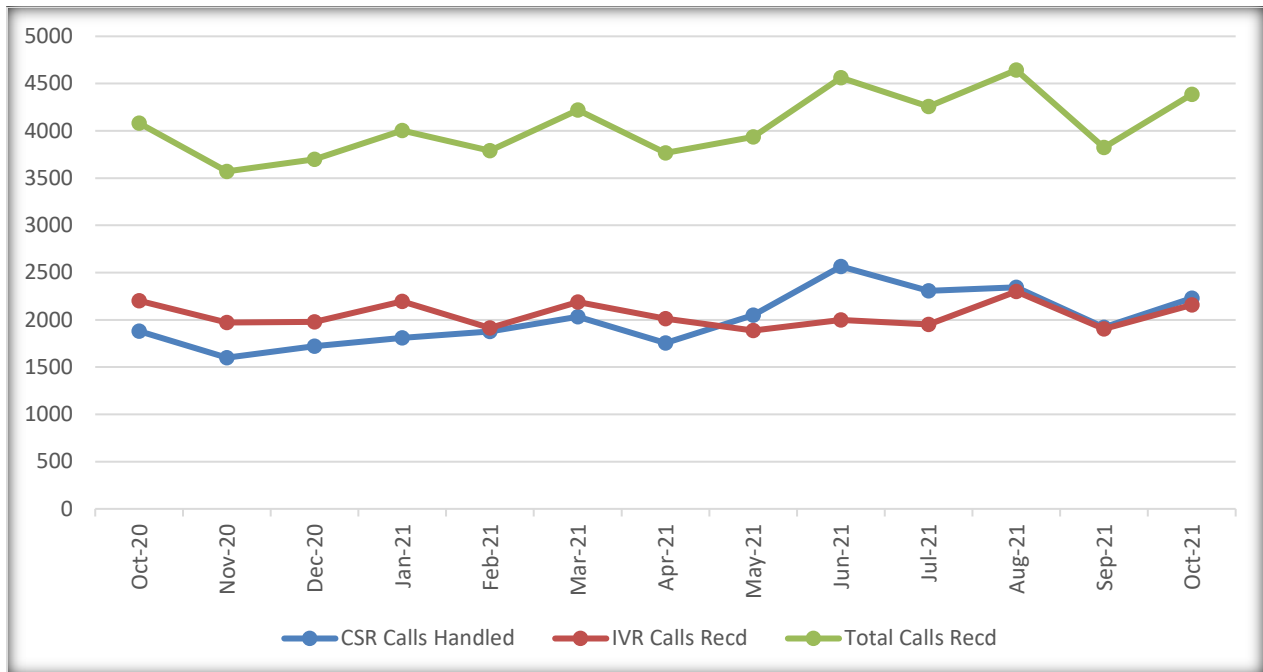


Figure 15: Call Volume Through October 31, 2021

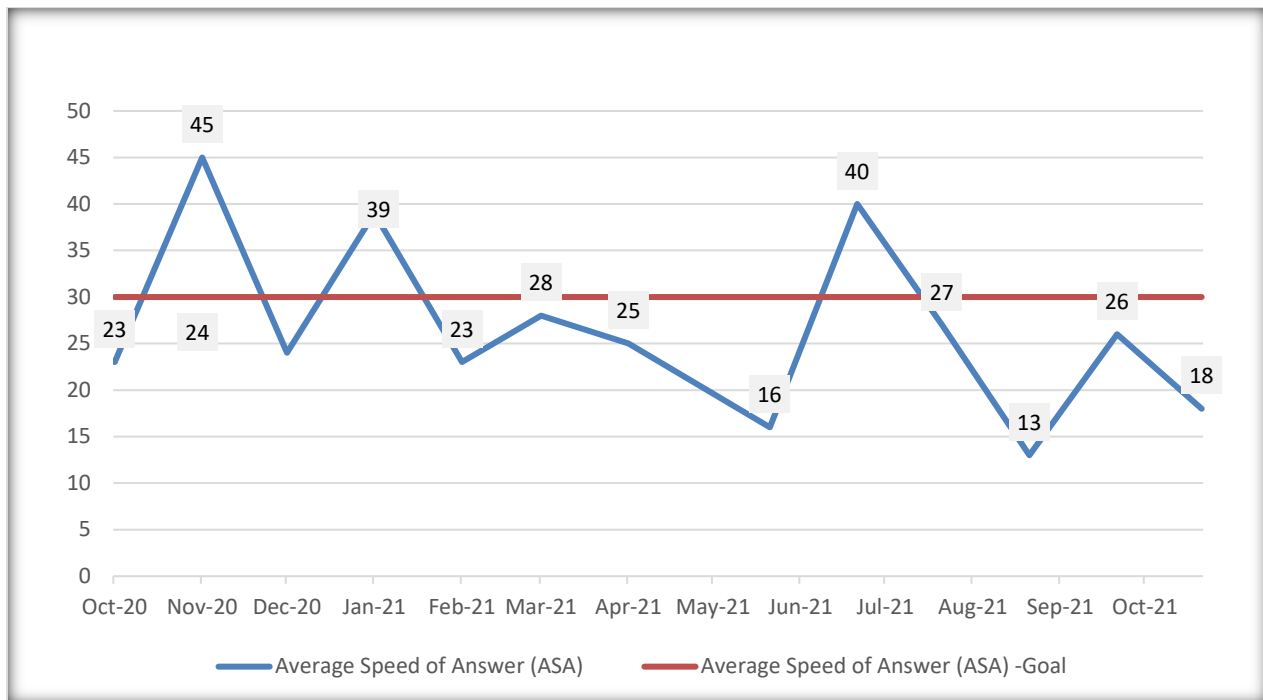


Figure 16: Average Speed of Answer Through October 31, 2021