ALAMEDA MUNICIPAL POWER
A Department of the City of Alameda

To: Honorable President and
Members of the Public Utilities Board

From: Nicolas Procos, General Manager

Re: General Manager's Report – October, 2020

PUB Highlights

- **Economic Development Highlights—**
  - The Alameda County Transportation Commission announced that the Oakland Alameda Access Project is in final stages of engineering and environmental review, with final design and construction to beginning in 2023. This project will greatly enhance access to the island and hopefully drive business and economic development.

- **Smart Energy Provider** - Alameda Municipal Power (AMP) has been recognized as a national industry leader for its "smart energy" programs focused on energy efficiency, sustainability, and the customer experience. AMP was one of 27 community-owned utilities in the nation to earn the designation of "Smart Energy Provider" from the American Public Power Association (APPA) in 2020. The Smart Energy Provider designation, which lasts for two years (2020-2022), recognizes public power utilities for leadership in four key areas: smart energy program structure; energy efficiency and distributed energy programs; environmental and sustainability initiatives; and the customer experience.

- **Electrification Rebate** - As outlined in the utility's Electrification Plan that was presented to the Board in September, AMP launched its new heat pump water heater (HPWH) rebates for commercial customers in October. Previously, HPWH rebates were available for residential customers only. Commercial customers can receive up to $1,500 for a 50-80 gallon HPWH and up to $4,000 for a 80-120 gallon HPWH. Details and the application can be found on AMP's website at https://www.alamedamp.com/371/Heat-Pump-Water-Heater-Rebates-Commercial

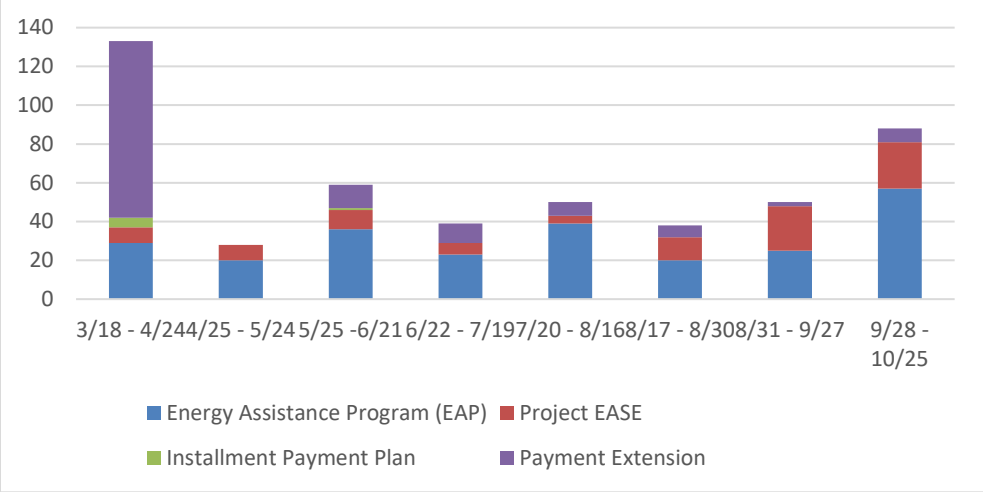
- **2021 Resource Adequacy Sales -** Staff has executed two contracts with Exelon and Central Coast Community Energy (Monterey) for Resource Adequacy (RA) Sales for 2021. The expected revenue from the two contracts and Northern California Power Agency (NCPA) Capacity Pool transactions for 2021 is expected to be $2.83 million, which is about 4 percent of AMP's annual revenue requirements. ERP Staff has worked diligently with NCPA over the last couple of years to maximize the RA value from AMP's resources that generated significant revenues which will help mitigate some of the increases in power costs.

- **Targeted Meter Socket Rebate Program -** AMP obtained approval at the December 16, 2019, Public Utilities Board Meeting to offer rebates to property owners with meter socket issues discovered during the automated metering infrastructure (AMI) meter deployment.
  - Property owners can receive up to $1,500 if they complete repairs within 12 months of being notified.
  - Notification letters were mailed in September 2020. The notifications would have gone out in March, but AMP delayed sending them due to the Pandemic.
  - The response from property owners has been positive. Sixty-five owners have contacted AMP with questions and rebate reimbursement submittals are being processed by staff.

- **Public Safety Power Shut Offs (PSPS) –** As a publicly-owned utility, AMP is required to have a wildfire mitigation plan. The latest version determined that AMP's service territory is in a low fire risk area and that AMP's electric system is adequately maintained and designed to minimize wildfire-related risks in the City. AMP has a rigorous tree trimming program for public trees and works with customers to ensure they understand the need to trim private trees, especially those in backyard easements. As a result, AMP does not have to resort to PSPS within the City. While neighboring Pacific Gas & Electric (PG&E) communities were impacted by wildfire-related power shut offs in October, AMP brings power to the City via larger transmission lines that are subject to a different set of rules and are less prone to wildfire-related shut offs. During an extremely high wind event like those that occurred in October, when PG&E initiated power shut offs in neighboring communities, AMP's field staff were proactive in responding to local tree-related issues and customers experienced minimal outages.

- **Safety:**
  - 2020 Lost Time Cases: 0
  - 2020 Recordable Injuries: 3
  - 2020 First Aid Cases: 1
  - 2020 Vehicle Accidents/ Incidents: 1

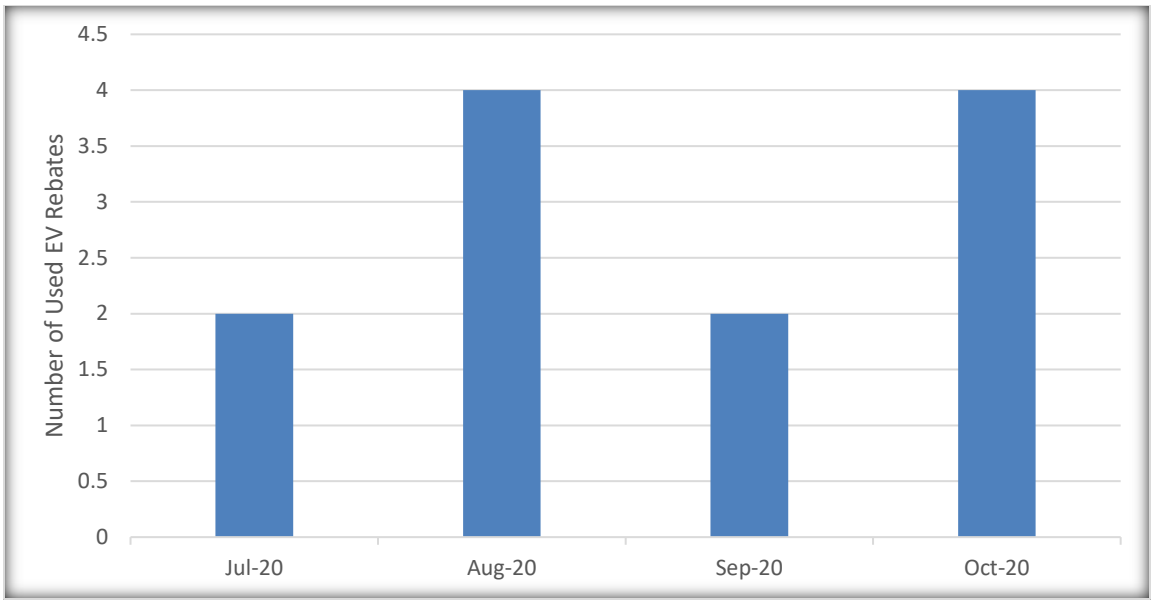
Number of New Customer Enrollments to AMP's Financial Assistance Programs



CUSTOMER PROGRAMS & EXPERIENCE

Table 1: Summary of Energy Efficiency Programs as of October 31, 2020

SUMMARY OF ENERGY EFFICIENCY PROGRAMS AS OF OCTOBER 31, 2020							
Program	**Annual Savings Target kWh/yr**	**Jul-20**	**Aug-20**	**Sep-20**	**Oct-20**	**Cumulative Energy Savings kWh/yr**	**Percent of Annual Target**
Residential Lighting	168,000	668	1,004	1,427	1,145	4,244	**2%**
Residential Other		3,174	2,251	2,618	249	8,292	
EAP+ (Low Income Residential)		2,168	6,589	25,979	14,239	48,975	
Energy Plus	457,555	0	0	0	0	0	**0%**
Non-Residential Lighting, Custom	89,024	0	11,094	0	0	11,094	**12%**
Non-Residential Customized, Other	87,532	0	0	0	0	0	**0%**
Non-Residential New Construction	20,888	0	0	0	0	0	**0%**
Non-Residential, Other		0	0	0	0	0	
TOTAL	**823,000**	**6,010**	**20,938**	**30,024**	**15,633**	**72,605**	**9%**



Used Electric Vehicle Rebates

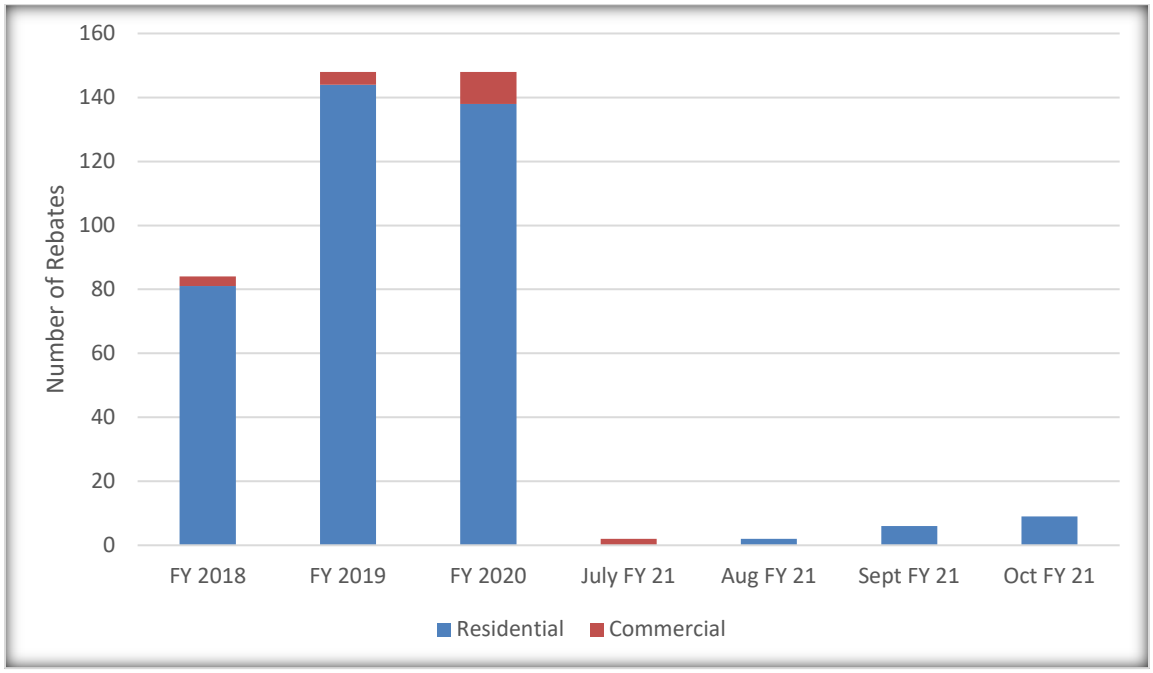


Figure 1: Electric Vehicle Charger Rebates

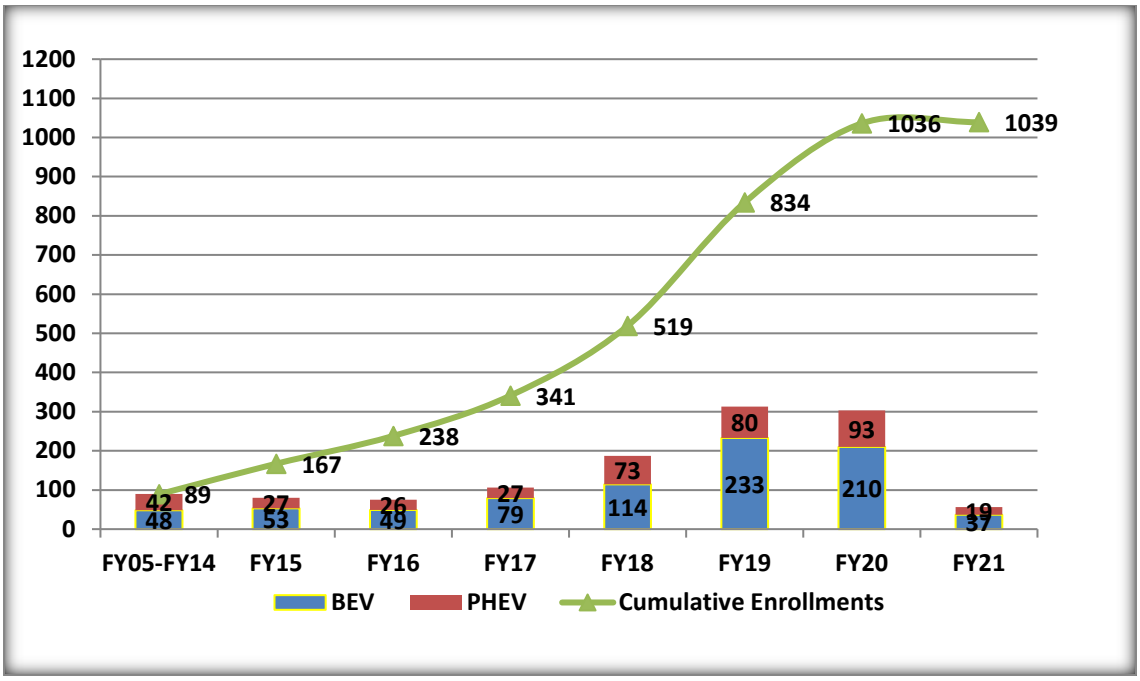


Figure 2: Electric Vehicle Discount Program Participation

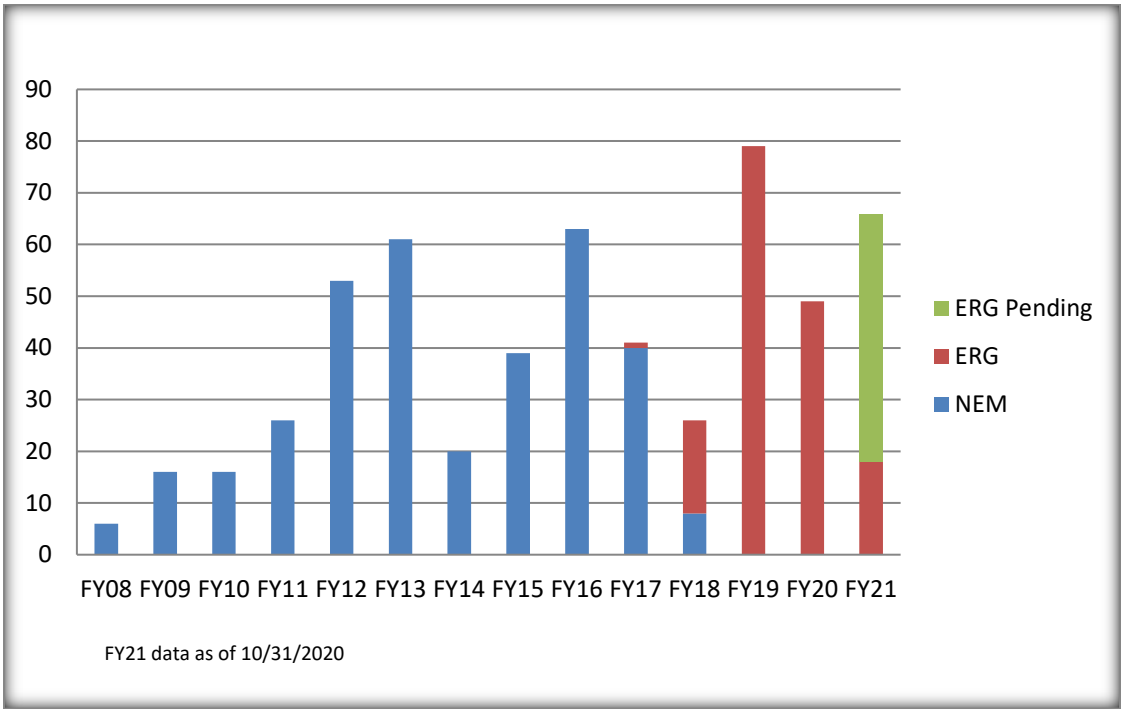


Figure 3: Residential Solar Interconnections

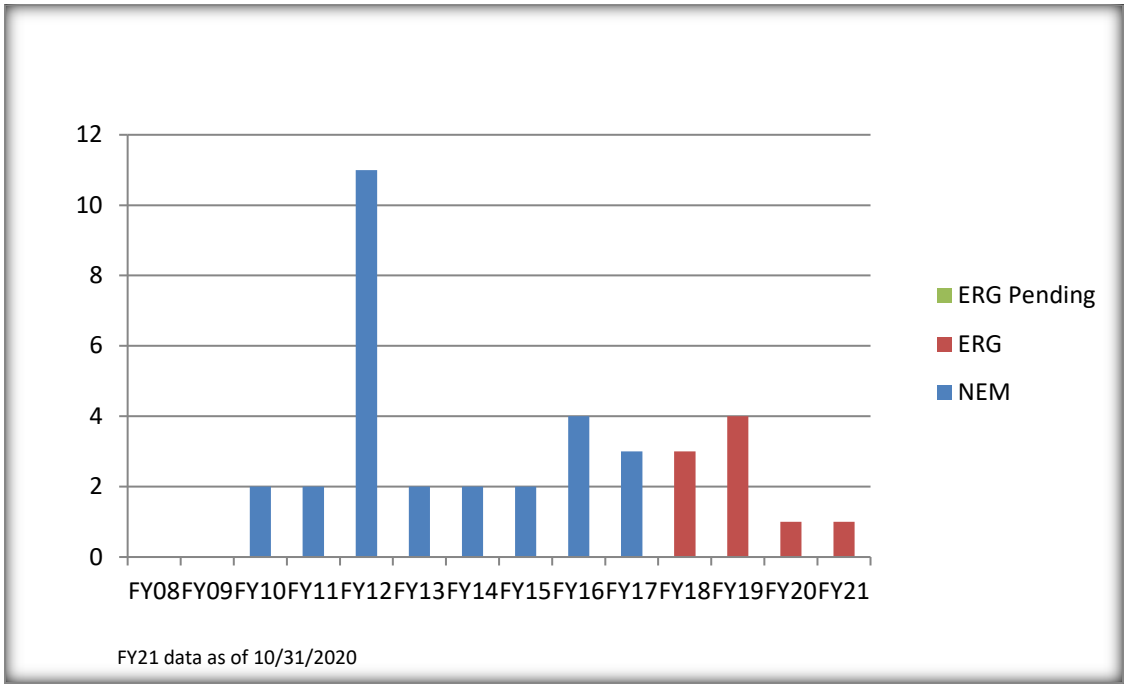


Figure 4: Commercial Solar Interconnections

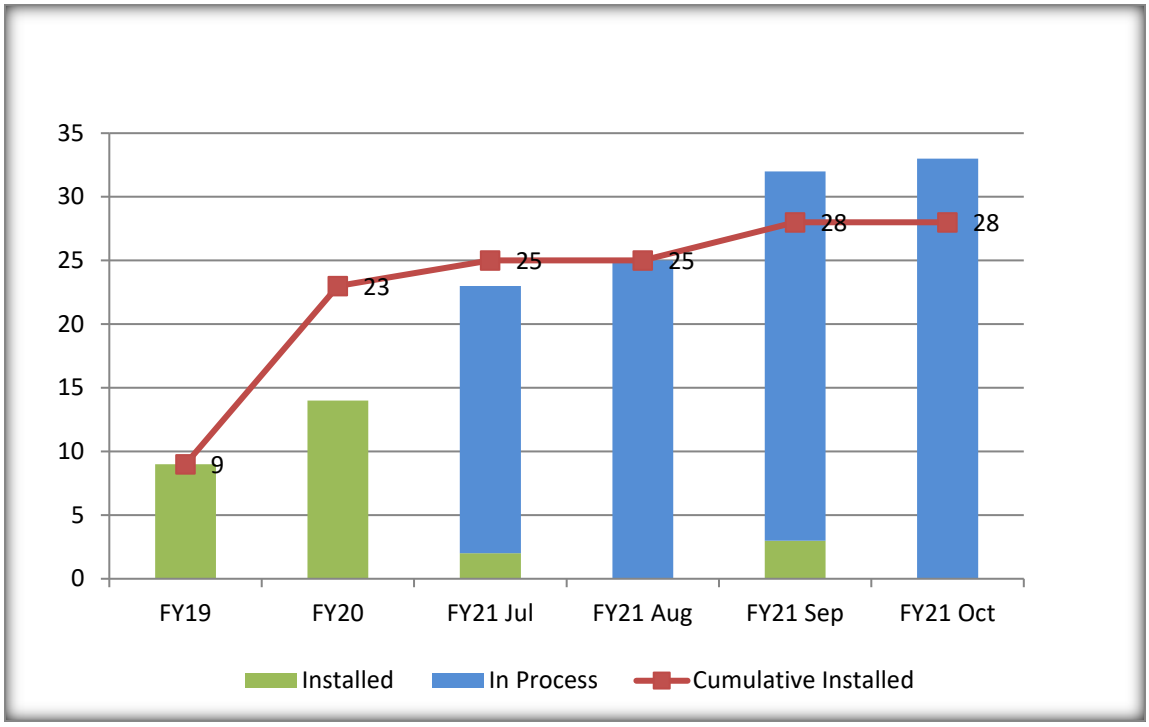


Figure 5: Battery Storage

FINANCIALS

Table 2: Monthly and Year to Date Total Operating Revenue and Expense Report as of October 31, 2020

Report Status as of:				
October 31, 2020	Monthly		Annual (FY) To Date	
	Goal	Result	Goal	Result
Total Operating Revenue - Electric (September 2020)	5,230,188	5,258,813	15,829,089	15,749,661
Total Operating Expense - Electric (September 2020)	4,708,286	3,476,869	13,601,525	11,984,270
Note: Shaded areas indicate the data is displayed on the accompanying graphs				

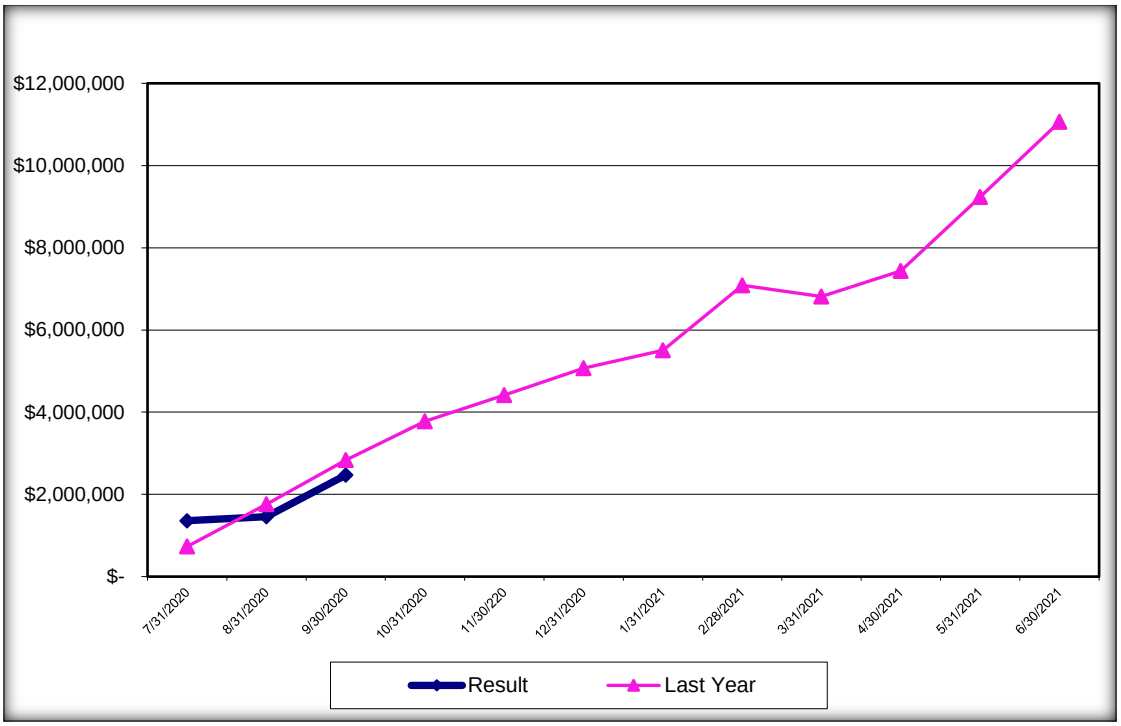


Figure 6: Fiscal Year 2021 Cumulative Net Income – Electric

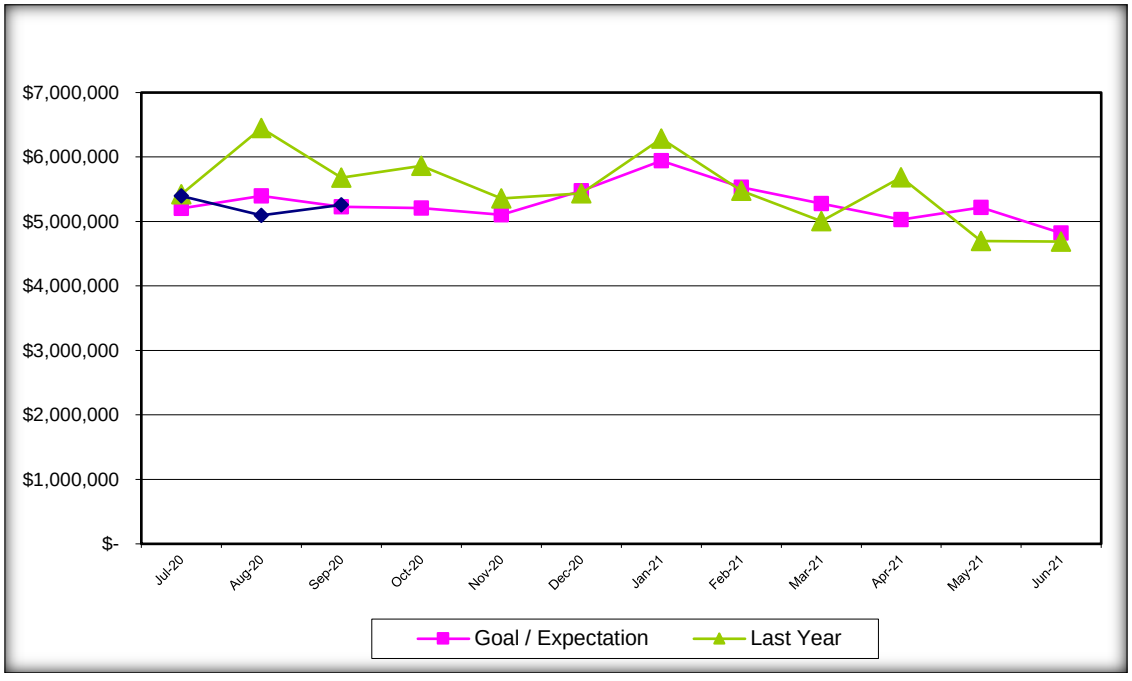


Figure 7: Fiscal Year 2021 Monthly Operating Revenue – Electric

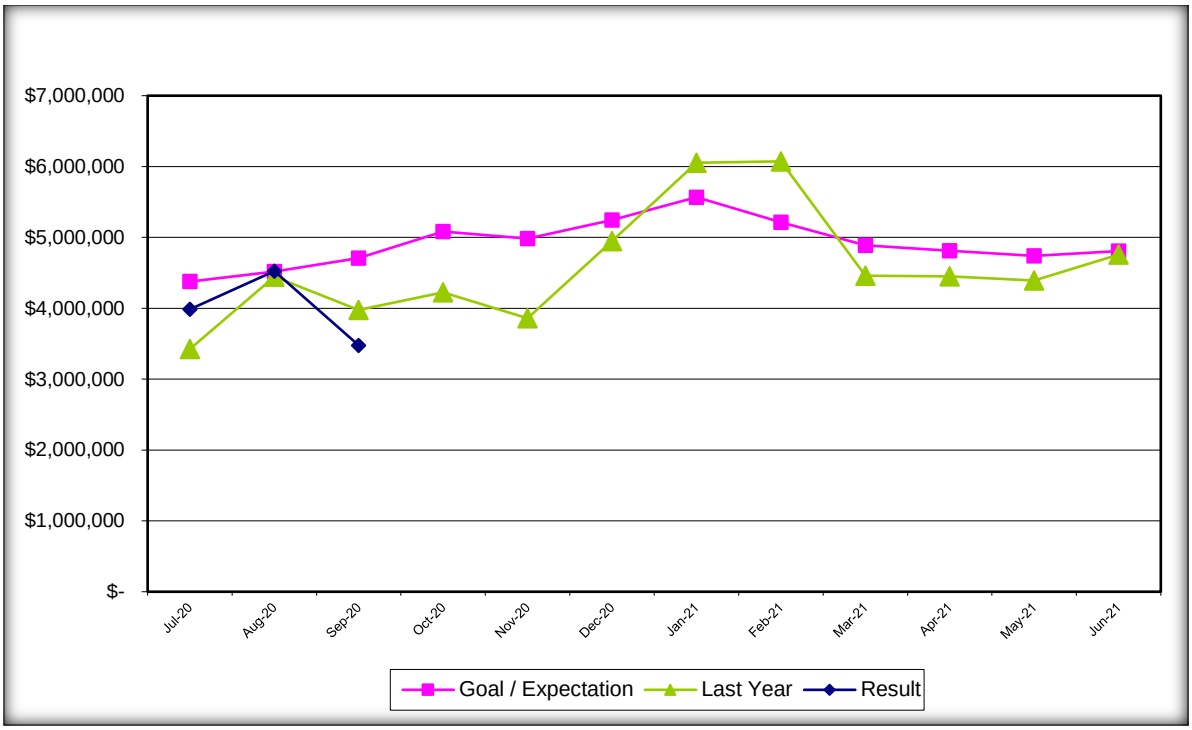


Figure 8: Fiscal Year 2021 Monthly Operating Expense – Electric

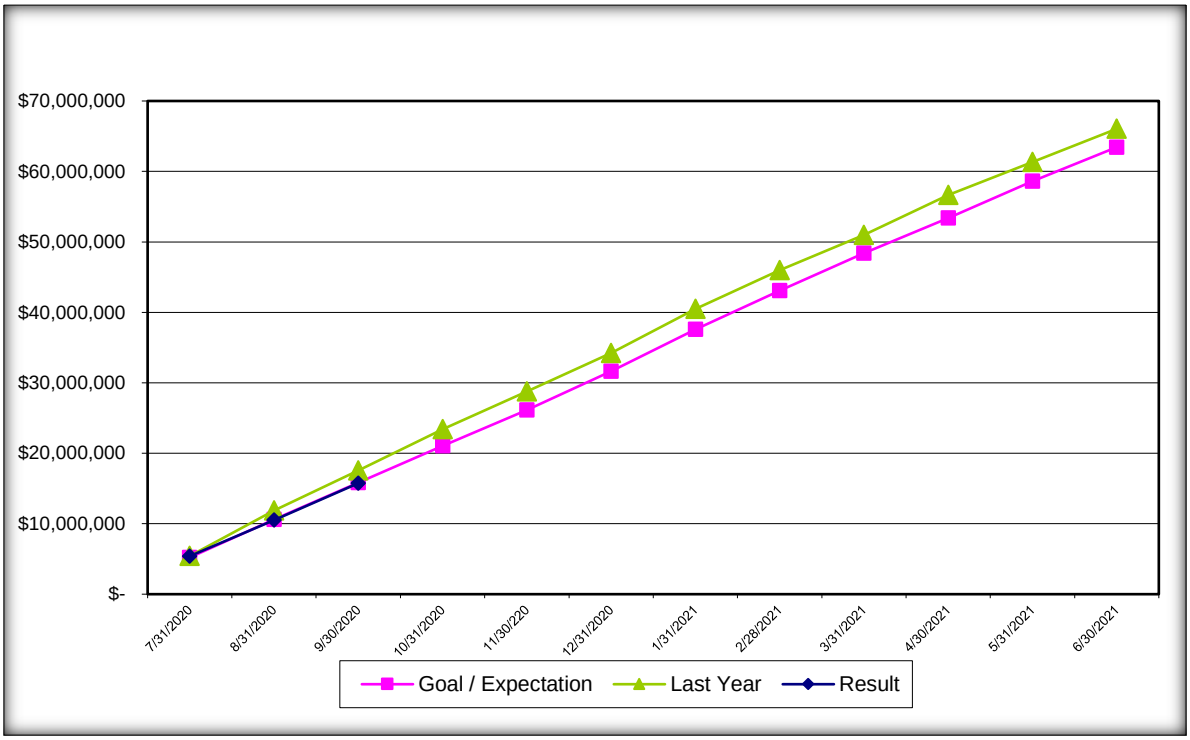


Figure 9: Fiscal Year 2020 Cumulative Operating Revenue – Electric

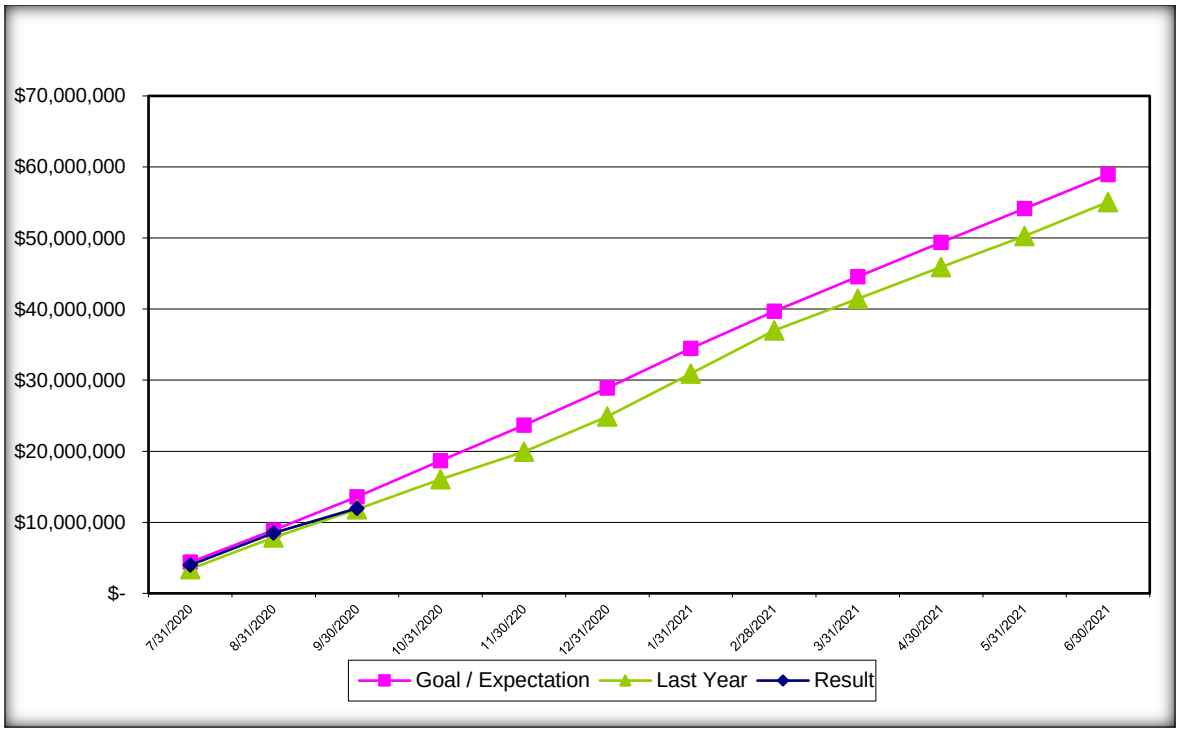


Figure 70: Fiscal Year 2021 Cumulative Operating Expense – Electric

Table 3: Special Revenue Summary – Fiscal Year 2021
Year-to-Date through September 2020

Cap & Trade Revenue Reserve - 10 2114	Funding from Cash Receipts	Power Costs	Operating Expenses	Capital Projects	Total Expenditures	Reserve Balance
Reserve Beginning Balance 6-30-2020						3,619,827
Jul-20	-	(204,167)	-	(118,630)	(322,797)	3,297,029
Aug-20	-	(204,167)	-	(78,888)	(283,055)	3,013,975
Sep-20	307,896	(131,667)	-	(43,536)	(175,203)	3,146,667
Oct-20					-	3,146,667
Nov-20					-	3,146,667
Dec-20					-	3,146,667
Jan-21					-	3,146,667
Feb-21					-	3,146,667
Mar-21					-	3,146,667
Apr-21					-	3,146,667
May-21					-	3,146,667
Jun-21					-	3,146,667
Total To Date	307,896	(540,001)	-	(241,054)	(781,055)	3,146,667

Renewable Energy Credits Revenue Reserve - 10 2113	Funding from Cash Receipts	Power Costs	Operating Expenses	Capital Projects	Total Expenditures	Reserve Balance
Reserve Beginning Balance 6-30-2020						19,821,572
Jul-20	-	-	-	-	-	19,821,572
Aug-20	-	(640)	(8,813)	-	(9,453)	19,812,119
Sep-20	-	-	(7,071)	-	(7,071)	19,805,048
Oct-20					-	19,805,048
Nov-20					-	19,805,048
Dec-20					-	19,805,048
Jan-21					-	19,805,048
Feb-21					-	19,805,048
Mar-21					-	19,805,048
Apr-21					-	19,805,048
May-21					-	19,805,048
Jun-21					-	19,805,048
Total To Date	-	(640)	(15,884)	-	(16,524)	19,805,048

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 6-30-2020						1,737,572
Jul-20	-	-	(3,616)	-	(3,616)	1,733,956
Aug-20	-	-	(9,737)	-	(9,737)	1,724,219
Sep-20	-	-	(9,277)	-	(9,277)	1,714,942
Oct-20					-	1,714,942
Nov-20					-	1,714,942
Dec-20					-	1,714,942
Jan-21					-	1,714,942
Feb-21					-	1,714,942
Mar-21					-	1,714,942
Apr-21					-	1,714,942
May-21					-	1,714,942
Jun-21					-	1,714,942
Total To Date	-	-	(22,630)	-	(22,630)	1,714,942
Combined Total	**307,896**	**(540,641)**	**(38,514)**	**(241,054)**	**(820,209)**	**24,666,657**

OPERATIONAL STATISTICS

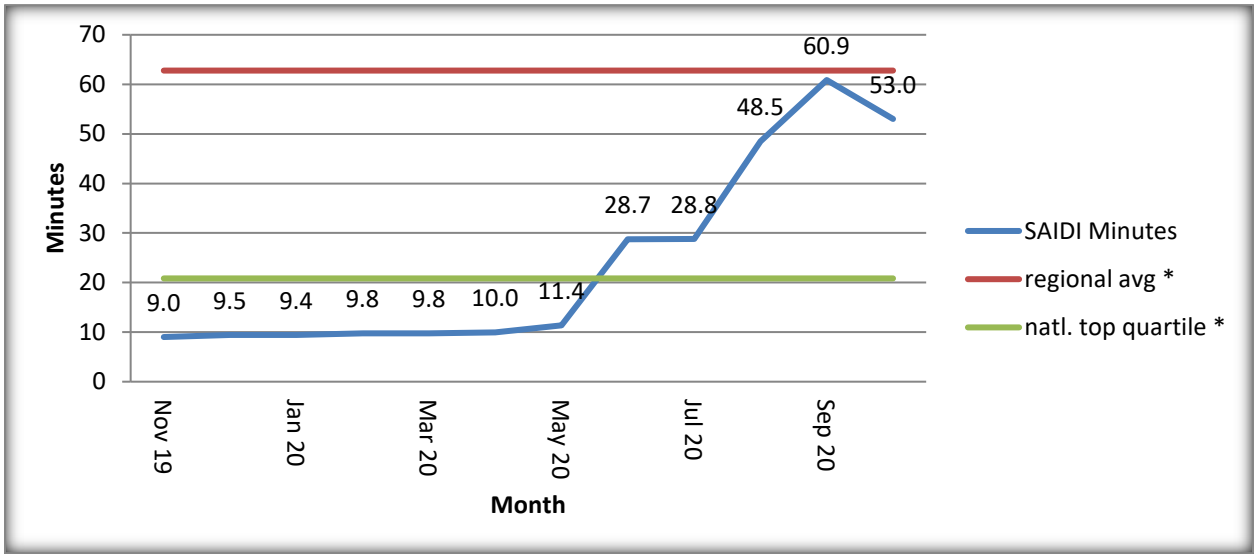


Figure 11: Rolling Twelve-Month System Average Interruption Duration Index (SAIDI)

*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.

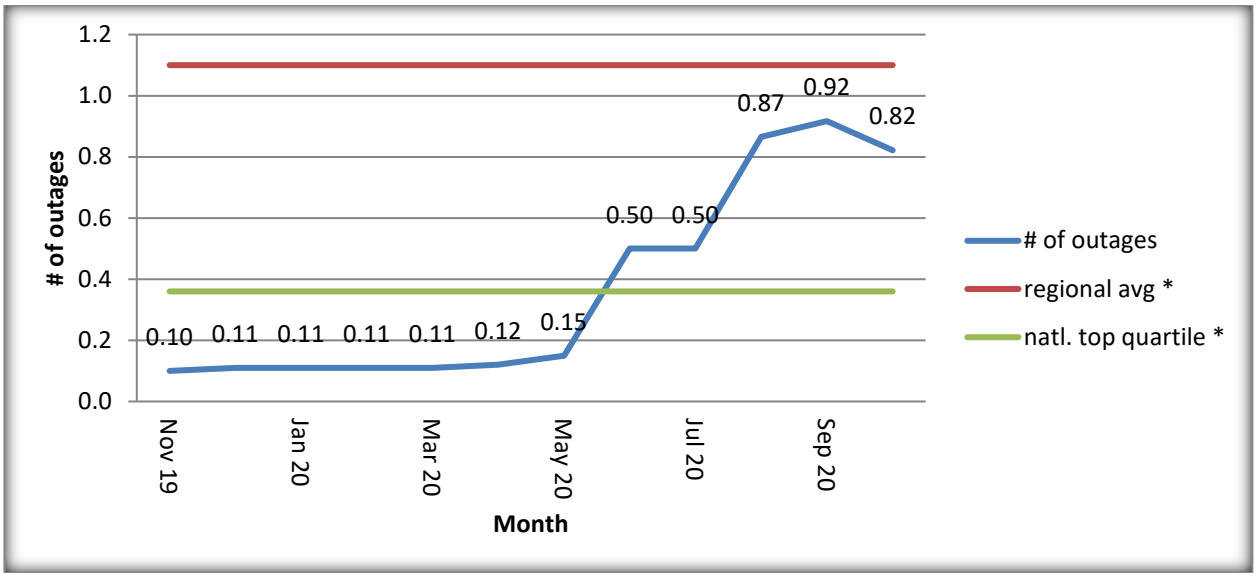


Figure 12: Rolling Twelve-Month System Average Interruption Frequency Index (SAIFI)

*Based on Benchmark study of Western Regional Utilities

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

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 SAIDI is "On average, customers experienced _____ interruptions".

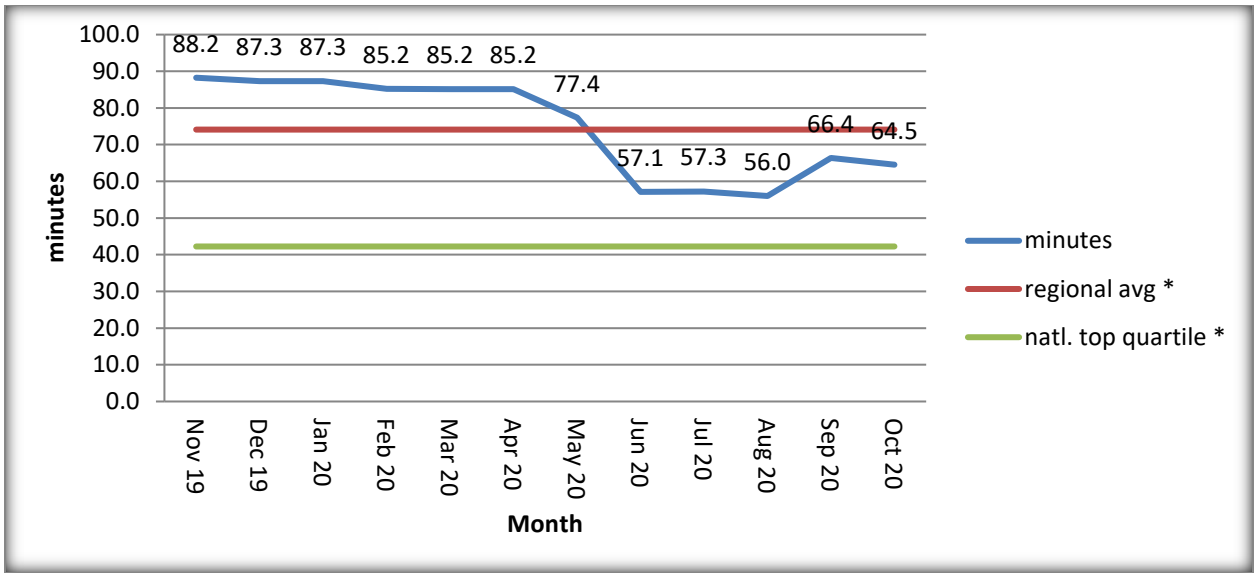


Figure 13: Rolling Twelve-Month Customer Average Interruption Duration Index (CAIDI)

*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.

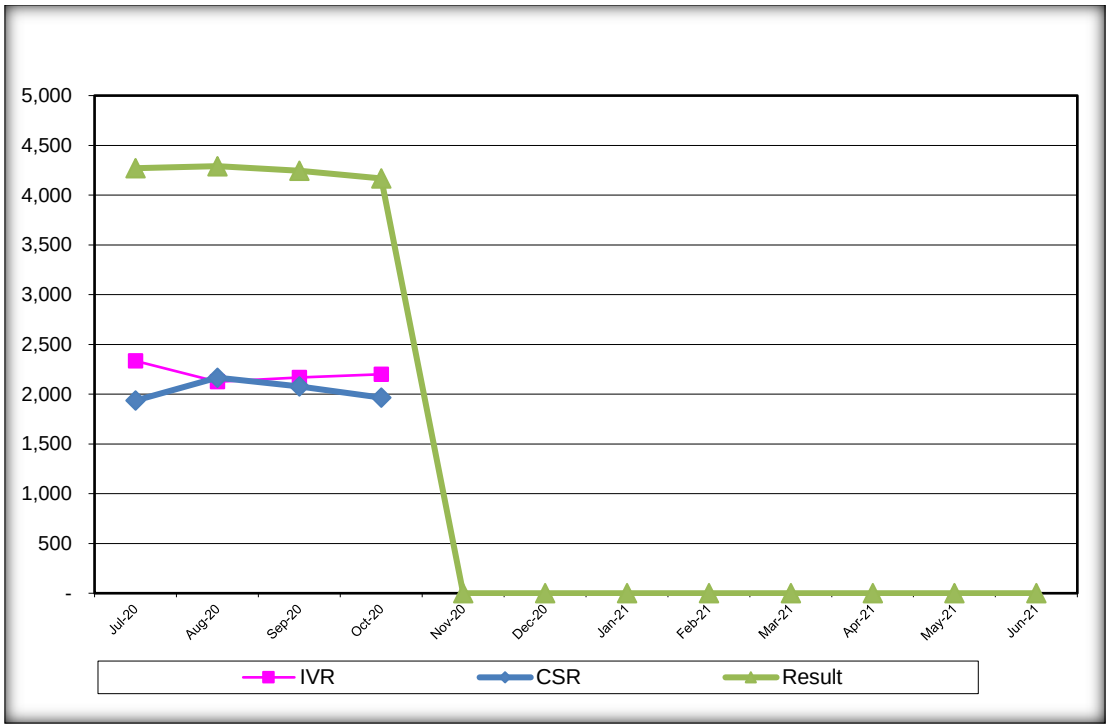


Figure 148: Fiscal Year 2021 Call Volume Through September 30, 2020