



To: Honorable President and
Members of the Public Utilities Board

From: Nicolas Procos, General Manager

Re: General Manager's Report – November, 2020

PUB Highlights

- **Economic Development Highlights—**
 - Alameda Marina development is undergrounding ~2000 ft. of power lines along Clement Street. Work is expected to be completed in April 2021.
 - Alameda Landing Waterfront is setting new tower bases for relocating two 115kv towers to accommodate the development of 357 new residential units.
 - Local Capital Group is courting a new tenant for 1145 Atlantic that could add 500 new jobs to Alameda.
 - Abbott Labs has completed its takeover of four existing PV systems on the former VF Outdoor campus.

- **Doolittle Solar Update** – On 11/23, the Planning Board unanimously approved the California Environmental Quality Act (CEQA) and Use Permit for Doolittle Solar. Over the next month or so we will work to finalize all project agreements before bringing them before the Public Utilities Board and City Council for approval.

- **Fiscal Year (FY) 2021 Low Carbon Fuel Standard (LCFS) Credit Sale** – Alameda Municipal Power (AMP) staff completed a sale of 5,000 LCFS credits to Eco Energy, a biofuels company at \$200 per credit, generating \$998,750 in net revenues. LCFS credit prices are trading close to \$200 per credit and AMP staff was able to take advantage of the recent uptick in prices and execute this deal.

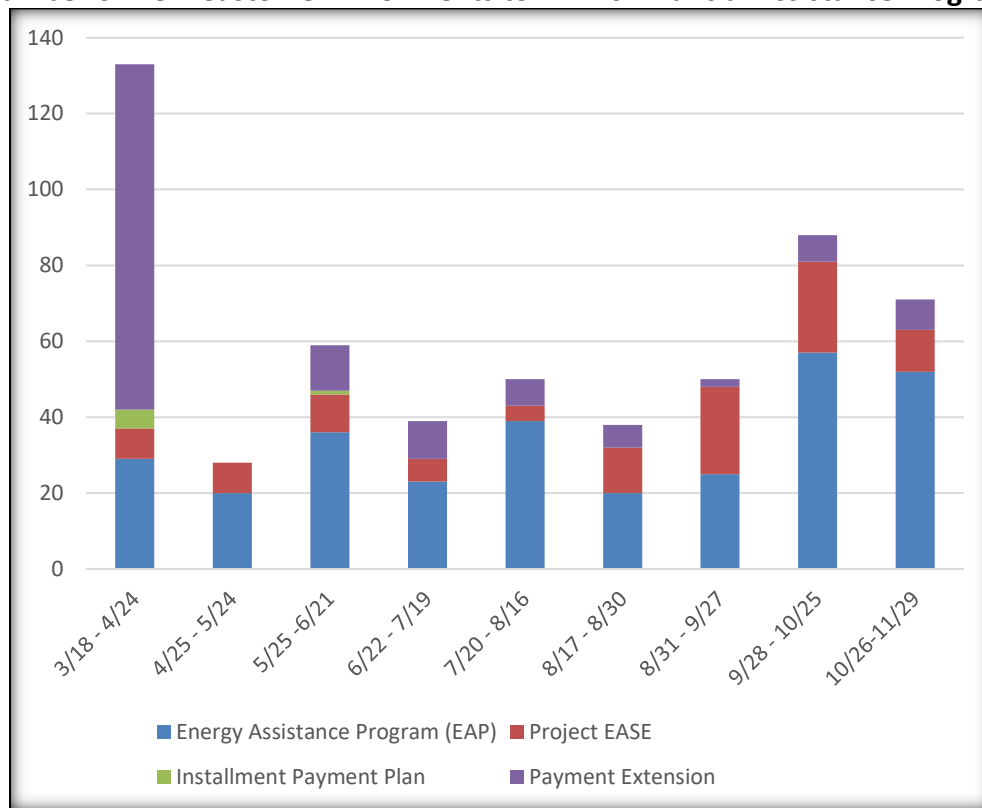
- **Marketing Campaign – Electric Vehicle (EV) Rebate Bonuses** – AMP's Customer Resource Division is implementing a marketing campaign to promote limited-time bonuses on AMP's EV rebates. From now through June 30, 2021, residential customers can qualify for additional bonuses when they purchase a used EV and install a level 2 charger at the same time. Plus, AMP is offering extra cash back on commercial level 2 chargers and electric forklifts. CRD will advertise the bonuses through a variety of communication channels including the Flash newsletter, ads on news websites, and social media.

- **Outage**- One outage occurred on 11/1, affecting 3,088 customer for 2 hours and fifteen minutes with a main relay trip on circuit 4115. No cause was found after detailed circuit patrols, though it was likely caused by animal contact.

- **Engineering and Operations (E&O) Updates—**
 - Engineering and Substations have worked to further streamline material purchases. Recently more items needed in the industry have longer lead times. The group determined certain metering equipment to be put in stock rather than ordered as needed. Minimum reorder numbers were established to ensure that most future projects will not incur any wait due to lead times for this equipment.
 - Recruiting for various critical vacant positions has progressed and interviews are scheduled: Electrical Equipment Superintendent; Substation and Metering Supervisor; System Operator; and Lineworker.

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

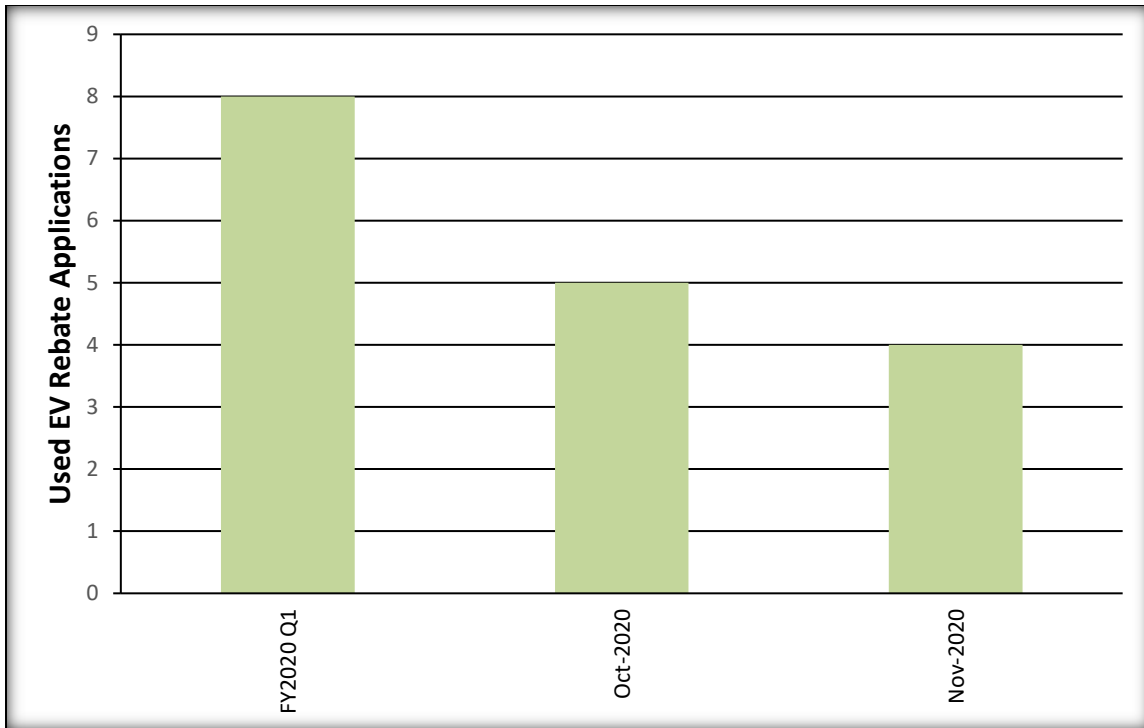
Number of New Customer Enrollments to AMP's Financial Assistance Programs



CUSTOMER PROGRAMS & EXPERIENCE

Table 1: Summary of Energy Efficiency Programs as of November 30, 2020

SUMMARY OF ENERGY EFFICIENCY PROGRAMS AS OF NOVEMBER 30, 2020									
Program	Annual Savings Target kWh/yr	Jul-20	Aug-20	Sep-20	1st Q	Oct-20	Nov-20	Cumulative Energy Savings kWh/yr	Percent of Annual Target
Residential Lighting	168,000	668	1,004	1,427	3,099	1,145	190	4,434	2.64%
Residential Other		3,174	2,251	2,618	8,043	249	4,205	12,497	
EAP+ (Low Income Residential)		2,168	6,589	25,977	34,734	0	14,239	48,973	
Energy Plus	457,555	0	0	0	0	0	92,181	92,181	20%
Non-Residential Lighting, Custom	89,024	0	11,094	0	11,094	0	284,474	295,568	332%
Non-Residential Customized, Other	87,532	0	0	0	0	0	0	0	0%
Non-Residential New Construction	20,888	0	0	0	0	0	0	0	0%
Non-Residential, Other		0	0	0	0	0	0	0	
TOTAL	823,000	6,010	20,938	30,022	56,970	1,394	395,289	453,653	55.1%



Residential Used Electric Vehicle Rebates

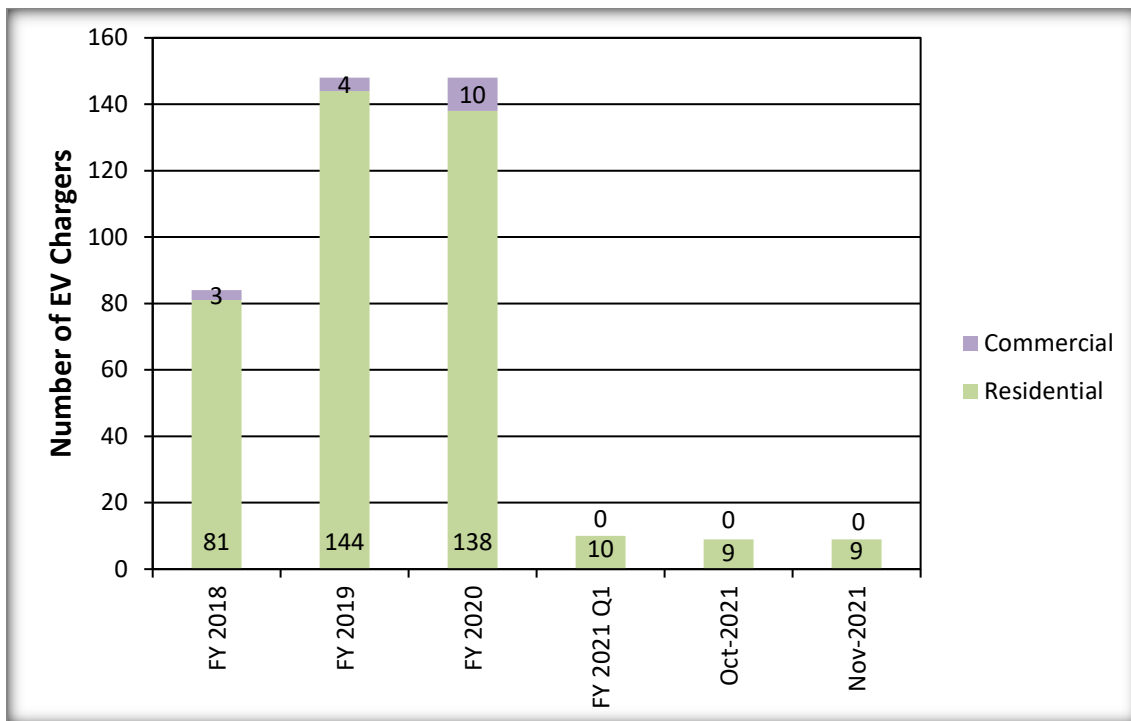


Figure 1: Electric Vehicle Charger Rebates

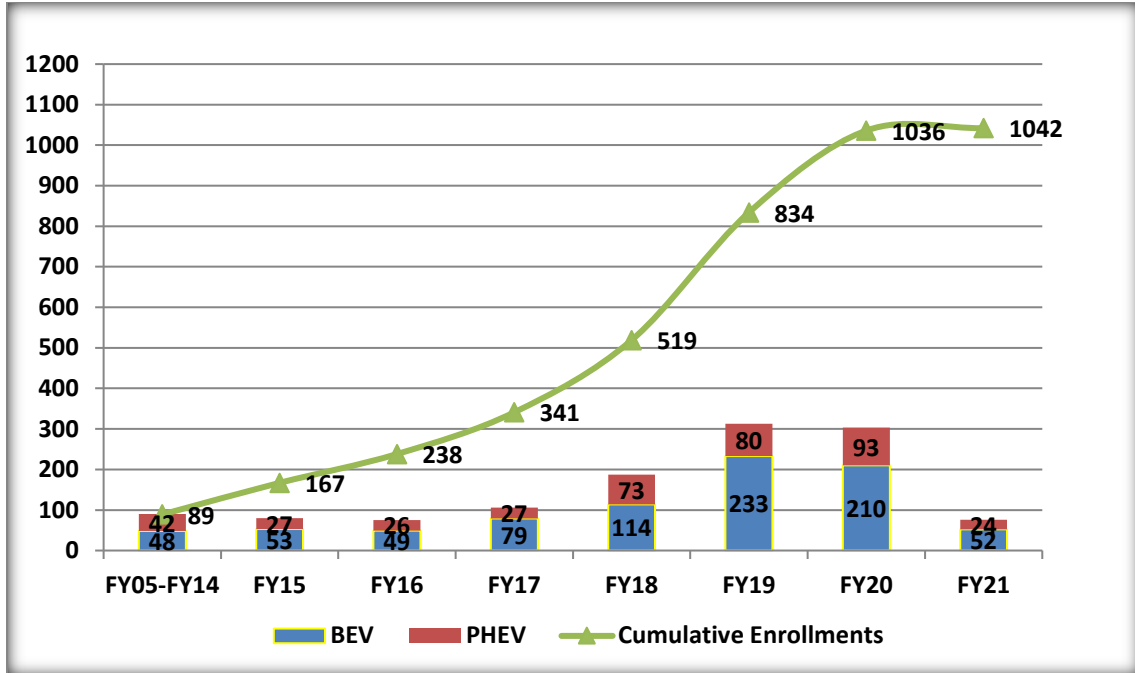


Figure 2: Electric Vehicle Discount Program Participation

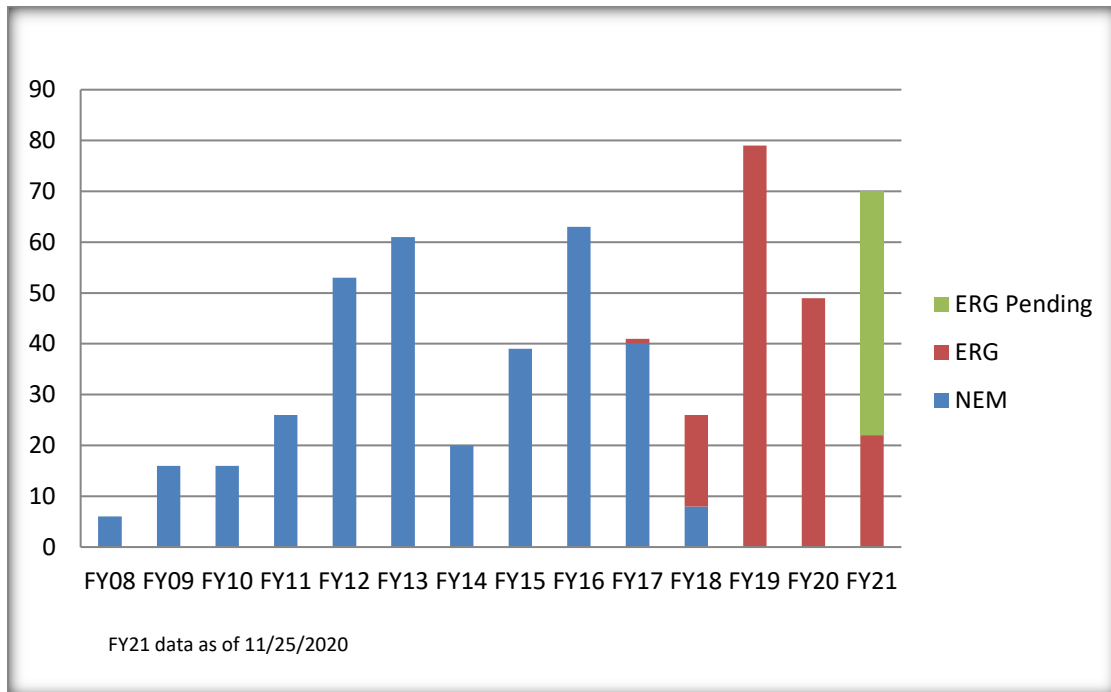


Figure 3: Residential Solar Interconnections

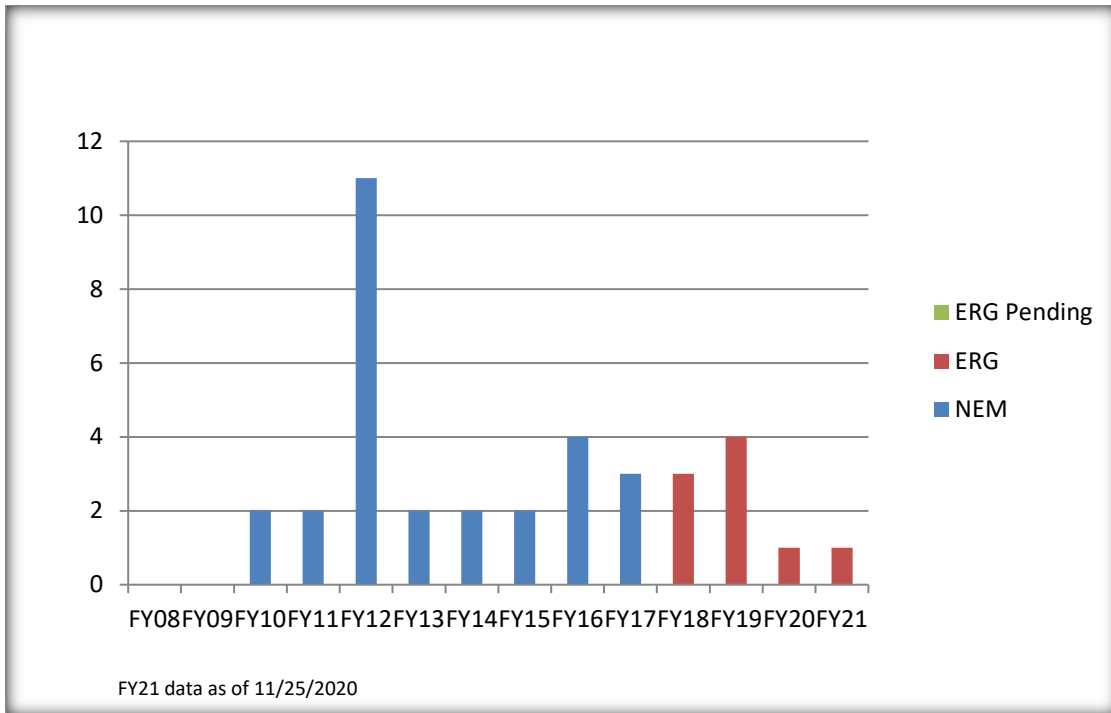


Figure 4: Commercial Solar Interconnections

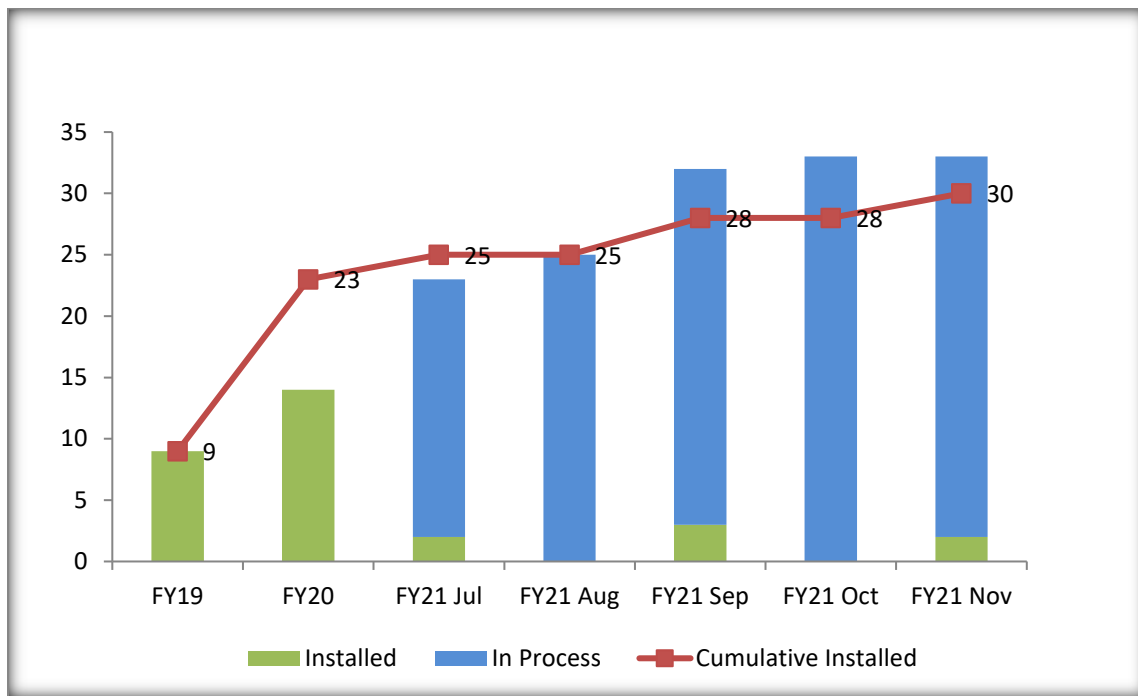


Figure 5: Battery Storage

FINANCIALS

**Table 2: Monthly and Year to Date Total Operating Revenue
 and Expense Report as of November 30, 2020**

<i>Report Status as of:</i>				
<i>November 30, 2020</i>	Monthly		Annual (FY) To Date	
	Goal	Result	Goal	Result
Total Operating Revenue - Electric (October 2020)	5,447,116	5,292,892	21,276,206	21,042,553
Total Operating Expense - Electric (October 2020)	5,364,361	3,127,033	18,967,449	15,111,303
Note: Shaded areas indicate the data is displayed on the accompanying graphs				

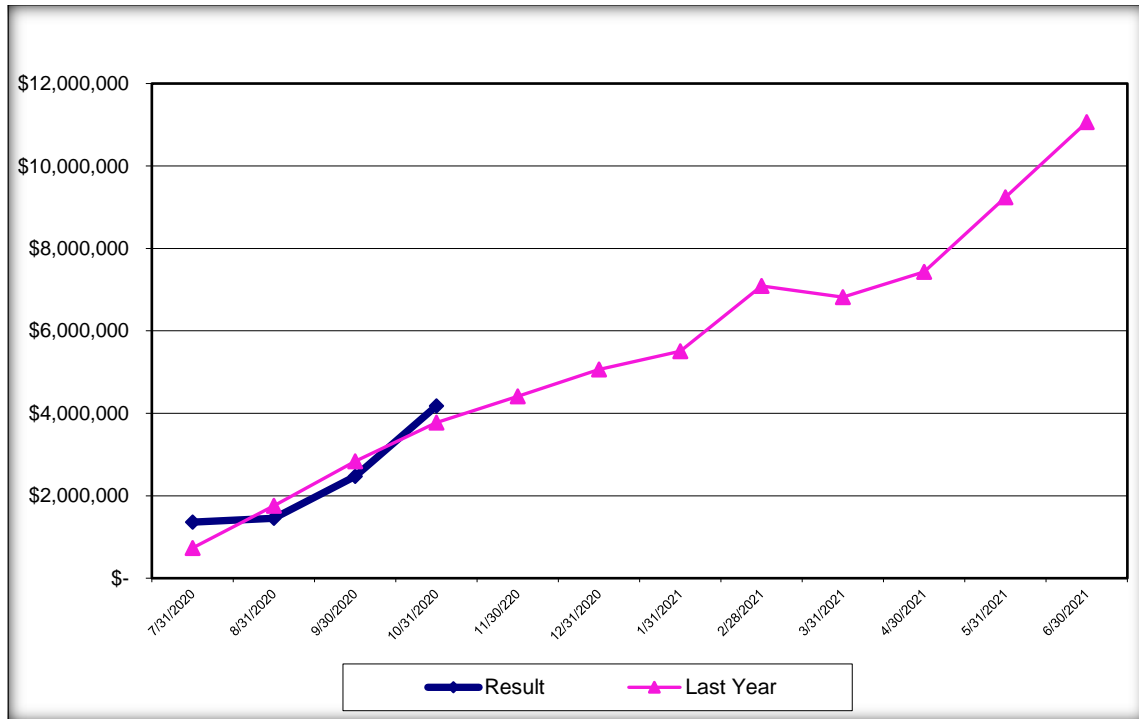


Figure 6: Fiscal Year 2021 Cumulative Net Income – Electric

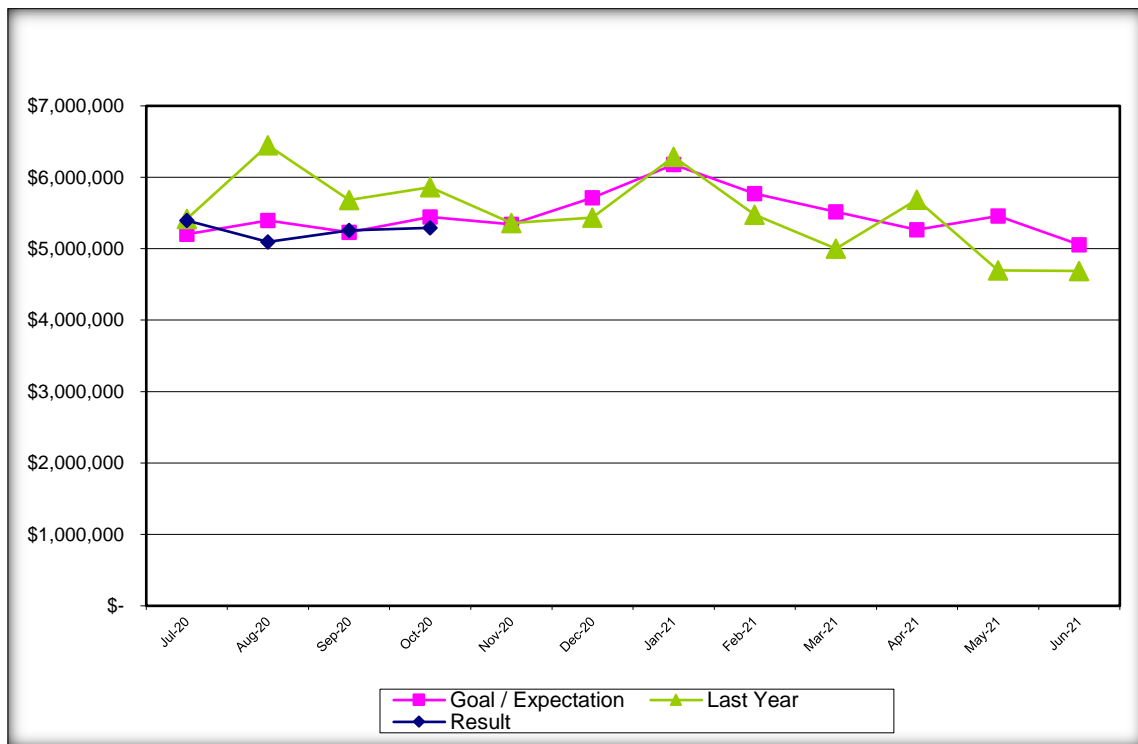


Figure 7: Fiscal Year 2021 Monthly Operating Revenue – Electric

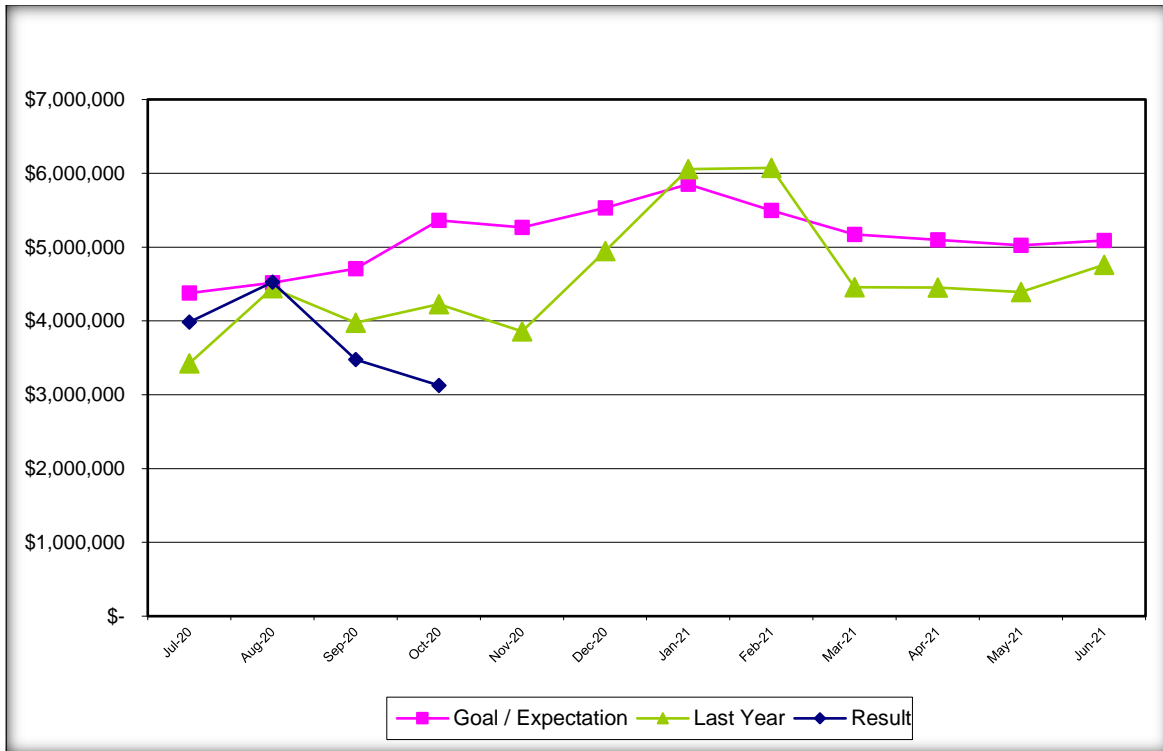


Figure 8: Fiscal Year 2021 Monthly Operating Expense – Electric

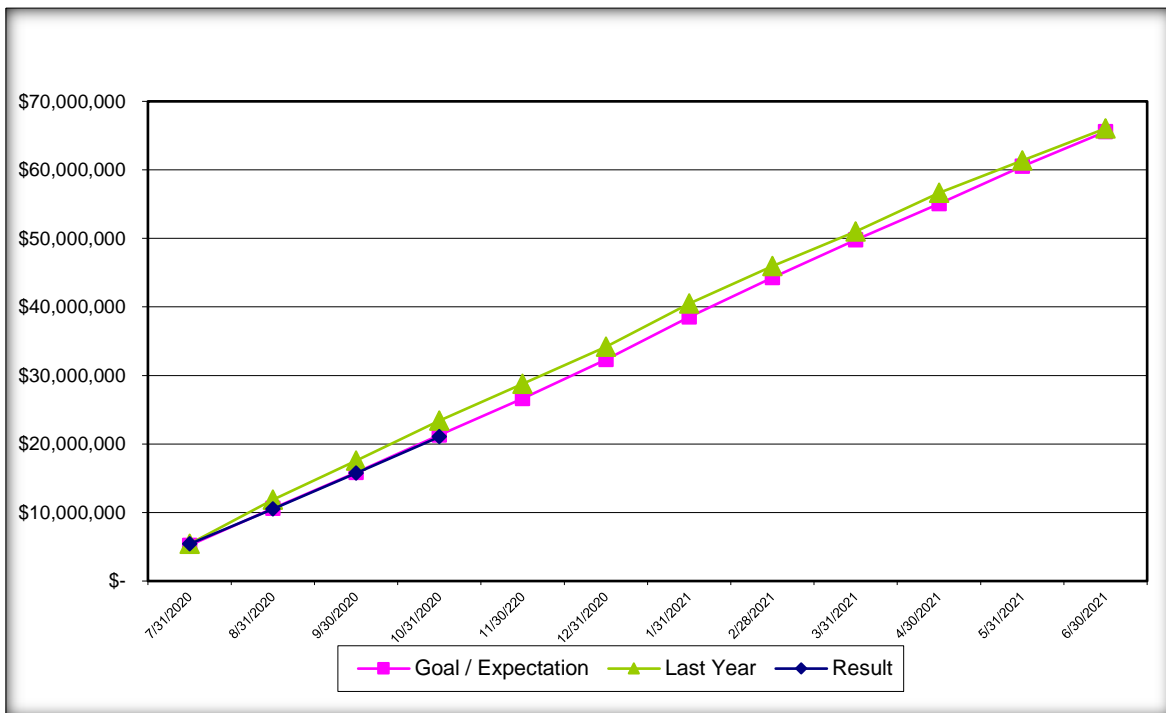


Figure 9: Fiscal Year 2021 Cumulative Operating Revenue – Electric

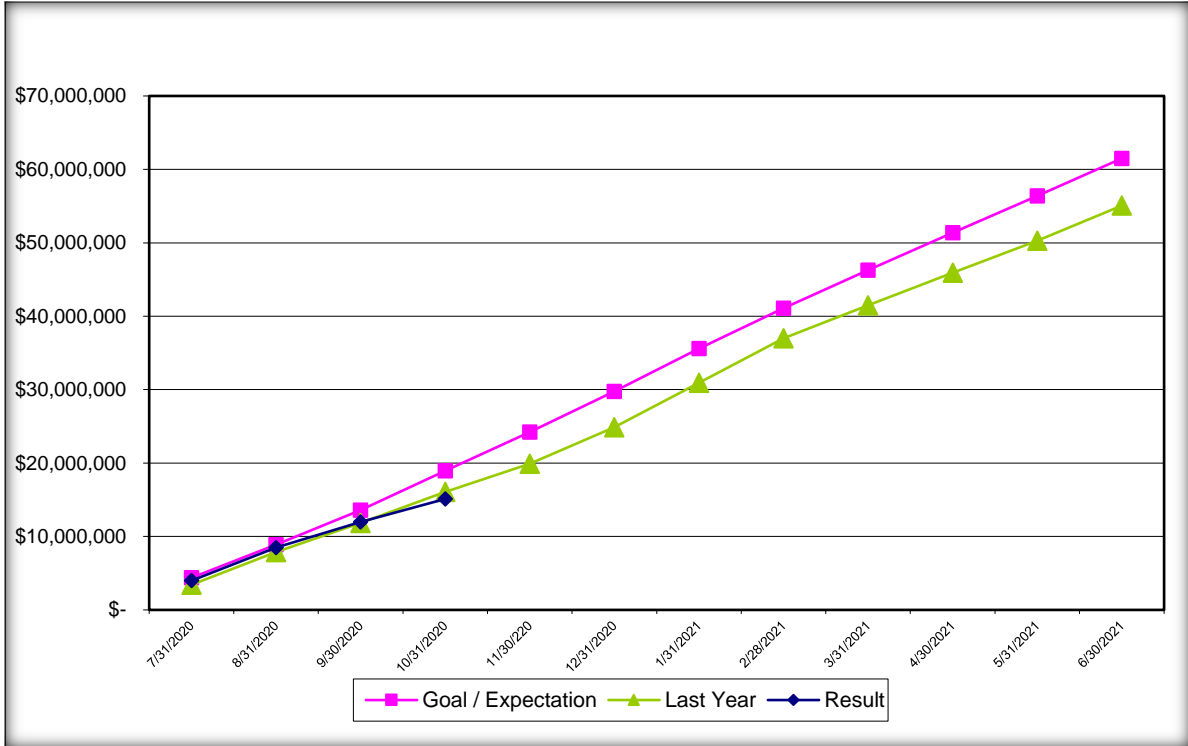


Figure 70: Fiscal Year 2021 Cumulative Operating Expense – Electric

OPERATIONAL STATISTICS

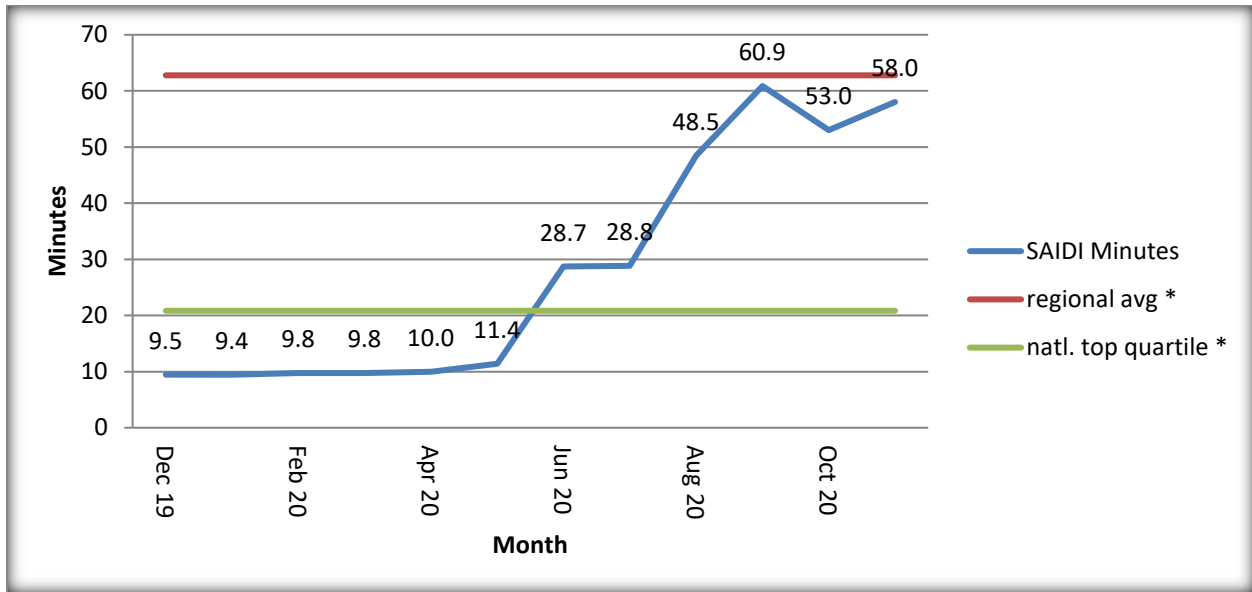


Figure 11: Rolling Twelve-Month System Average Interruption Duration Index (SAIDI)

*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."

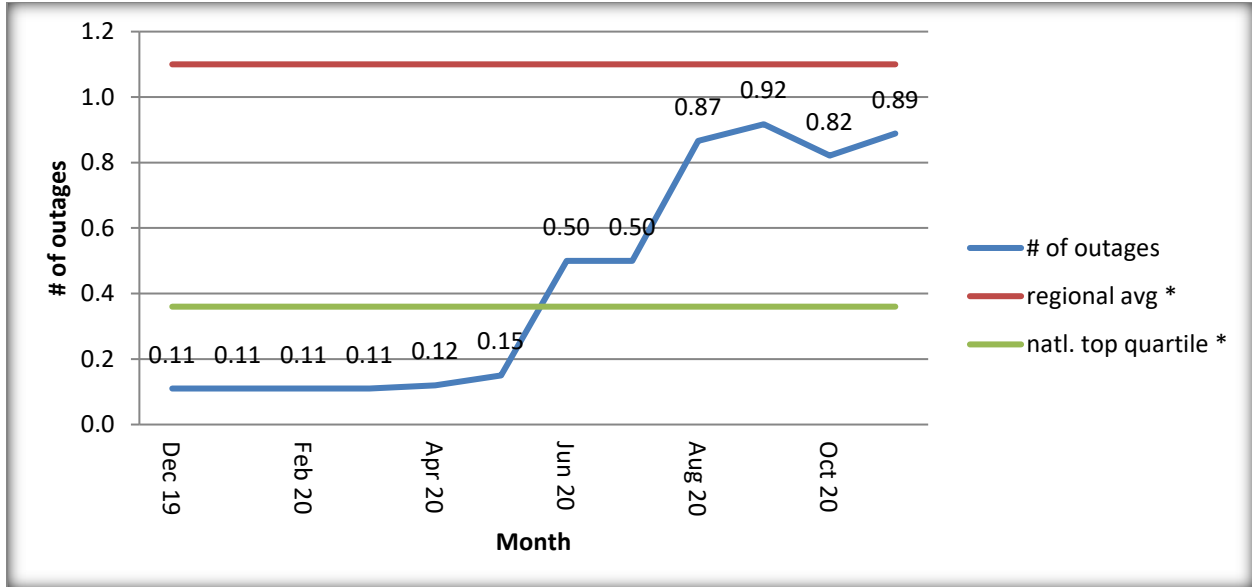


Figure 12: Rolling Twelve-Month System Average Interruption Frequency Index (SAIFI)

*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".

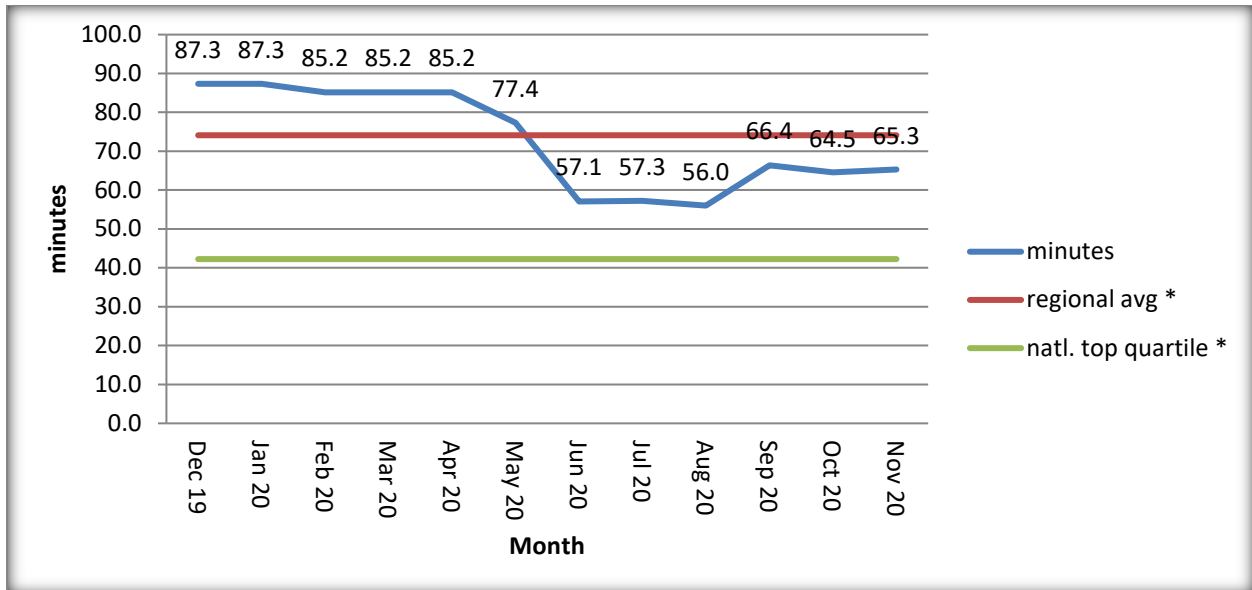


Figure 13: Rolling Twelve-Month Customer Average Interruption Duration Index (CAIDI)

*Based on Benchmark study of Western Regional Utilities

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."

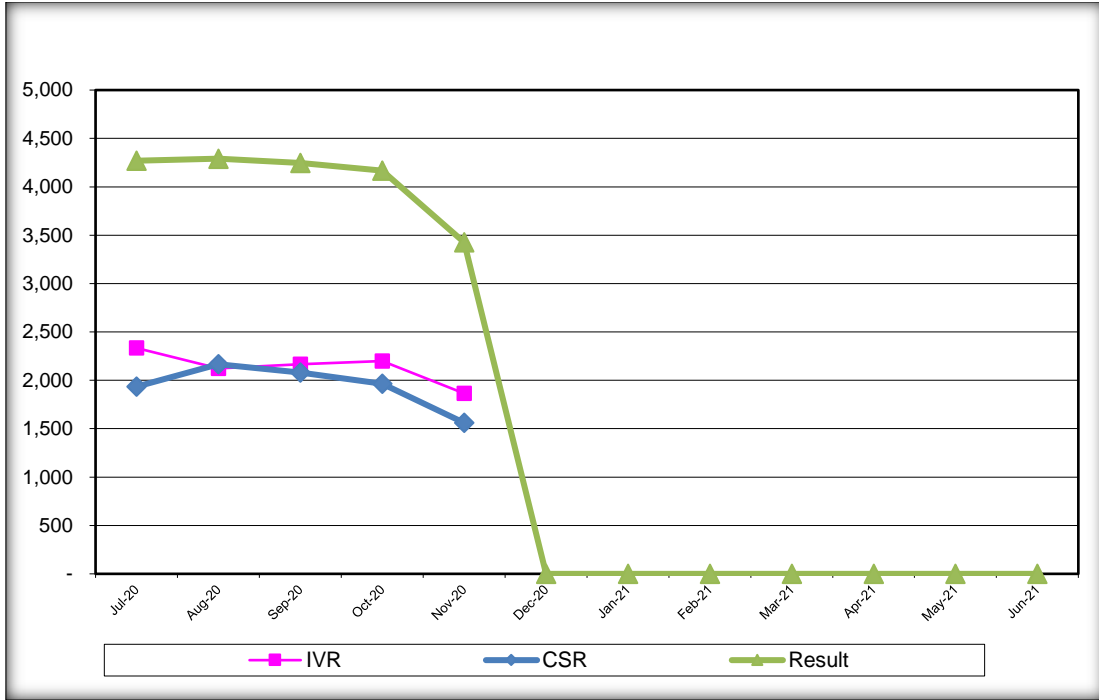


Figure 14: Fiscal Year 2021 Call Volume Through November 30, 2020