



To: Honorable President and  
Members of the Public Utilities Board

From: Nicolas Procos, General Manager

Re: General Manager's Report – September, 2020

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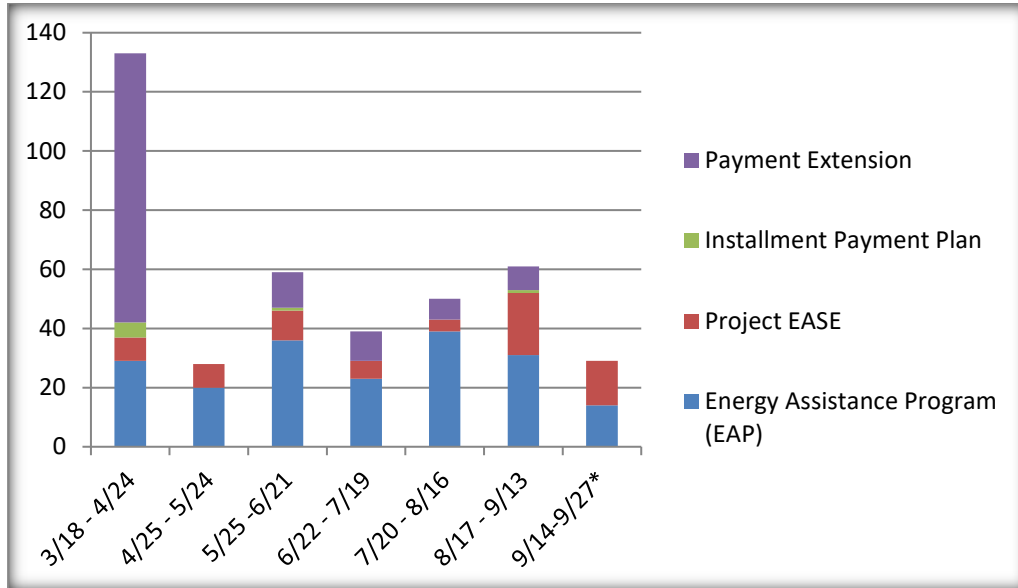
## **PUB Highlights**

- **Economic Development Highlights—**
  - Local Capital Group/Marina Village is preparing for a new tenant at 1020 Atlantic Avenue. Power upgrades in-progress feature a new 750 kVA transformer, purposely oversized to accommodate future electric vehicle (EV) charging.
  - Bay Ship and Yacht is implementing several Alameda Municipal Power (AMP) recommendations for improved efficiency of their sandblasting compressor system; AMP rebates will apply.
  - Saildrone has seen a 50 percent reduction in business and equivalent layoffs due to Covid-19 and have requested rent relief from the city. The downturn is considered temporary and business is expected to pick up after Covid-19 is under control but any upgrades now, to switch to 12kv, are not possible.
  
- **Alameda Green—**For the fifth consecutive year, AMP has been recognized as a national industry leader for its voluntary green program, Alameda Green. In September, the utility earned two separate Top 10 rankings from the National Renewable Energy Laboratory (NREL). Alameda Green was ranked 3<sup>rd</sup> on the customer participation list and 6<sup>th</sup> on the rate of green power sales.
  
- **Northern California Power Agency Geothermal Plant 1 Outage (Sep. 28- Oct. 6)—**
  - Plant 1 tripped off line early Monday morning, September 28<sup>th</sup>, right after coming out of our weekend Fall outage. The Glass Fire had tripped off the Pacific Gas & Electric (PG&E) 230 kV “Geysers 9” Lakeville Line which prevents Plant 1 from exporting power to the grid. PG&E has completed their inspections to bring Geysers 9 back on line and Plant 1 returned to its normal operation at 1600 hours on October 6<sup>th</sup>.
  
- AMP has completed the information technology data collection and discovery discussions with all business sections for the information technology roadmap refresh. Initial findings and use cases have been presented and will be followed by roadmap development and utility benchmarking.

➤ **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**

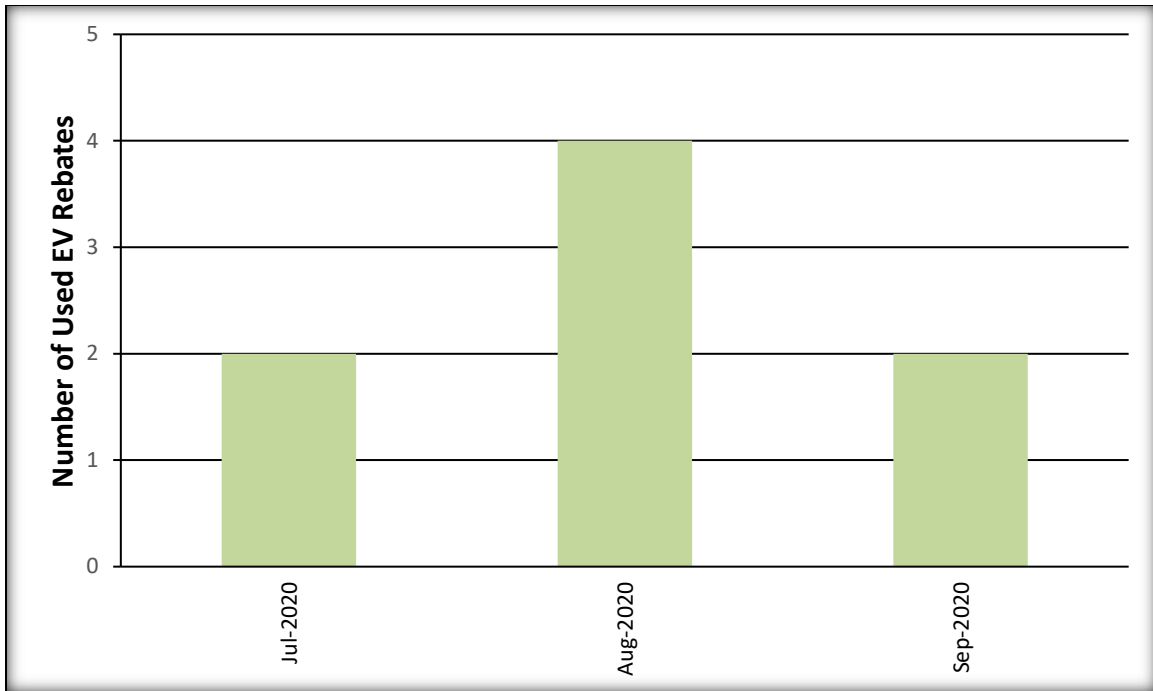


\* Represents two weeks rather than four weeks of data

## CUSTOMER PROGRAMS & EXPERIENCE

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

<b>SUMMARY OF ENERGY EFFICIENCY PROGRAMS AS OF SEPTEMBER 30, 2020</b>						
<b>Program</b>	<b>Annual Savings Target kWh/yr</b>	<b>Jul-20</b>	<b>Aug-20</b>	<b>Sep-20</b>	<b>Cumulative Energy Savings kWh/yr</b>	<b>Percent of Annual Target</b>
Residential Lighting	168,000	668	1,004	1,427	3,099	<b>1.84%</b>
Residential Other		3,174	2,251	2,618	8,043	
EAP+ (Low Income Residential)		2,168	6,589	25,979	34,736	
Energy Plus	457,555	0	0	0	0	<b>0%</b>
Non-Residential Lighting, Custom	89,024	0	11,094	0	11,094	<b>12%</b>
Non-Residential Customized, Other	87,532	0	0	0	0	<b>0%</b>
Non-Residential New Construction	20,888	0	0	0	0	<b>0%</b>
Non-Residential, Other		0	0	0	0	
<b>TOTAL</b>	<b>823,000</b>	<b>6,010</b>	<b>20,938</b>	<b>30,024</b>	<b>56,972</b>	<b>6.9%</b>



Used Electric Vehicle Rebates

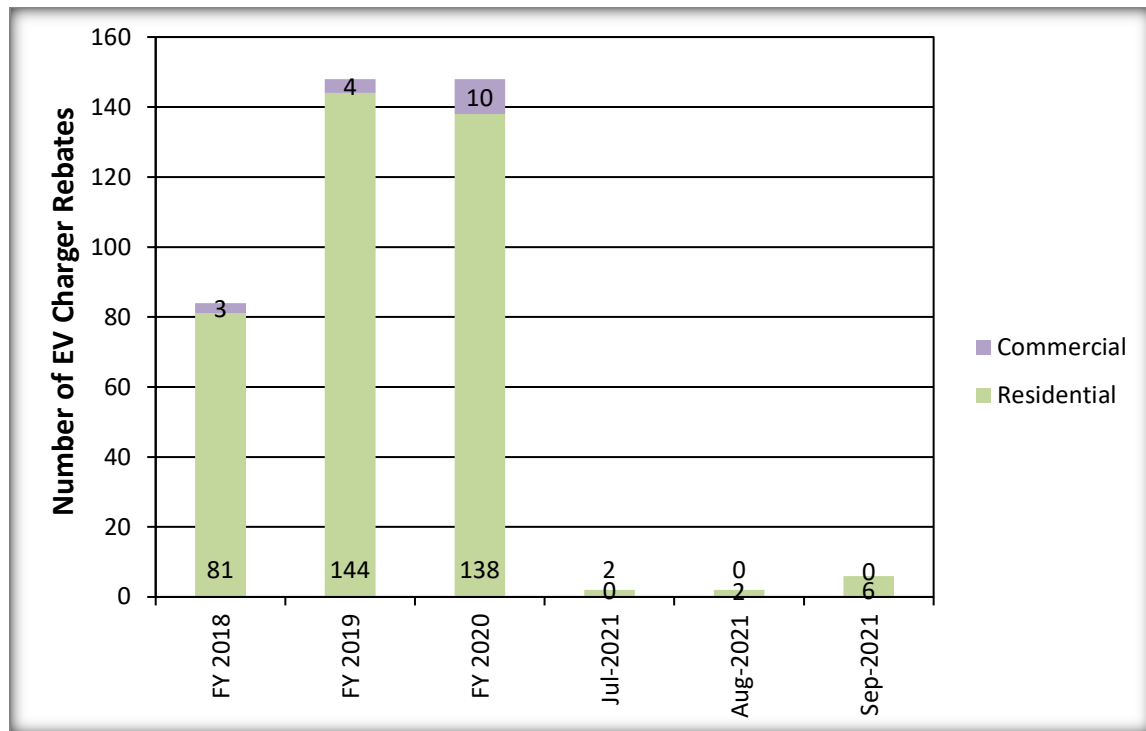


Figure 1: Electric Vehicle Charger Rebates

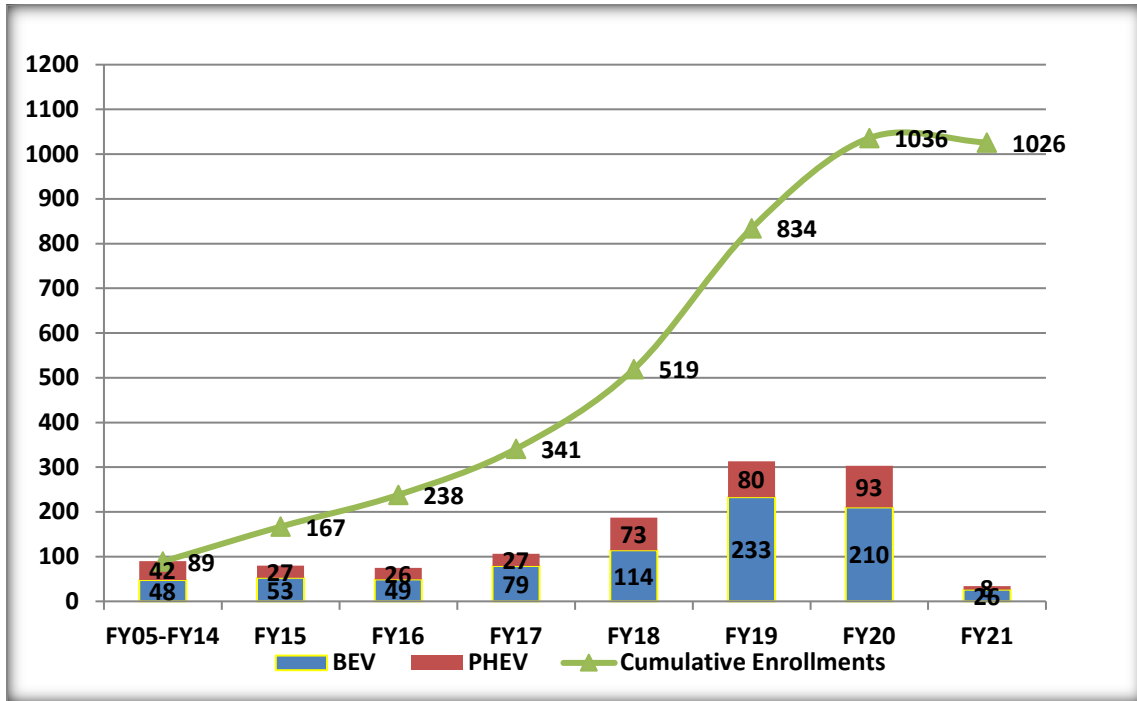


Figure 2: Electric Vehicle Discount Program Participation

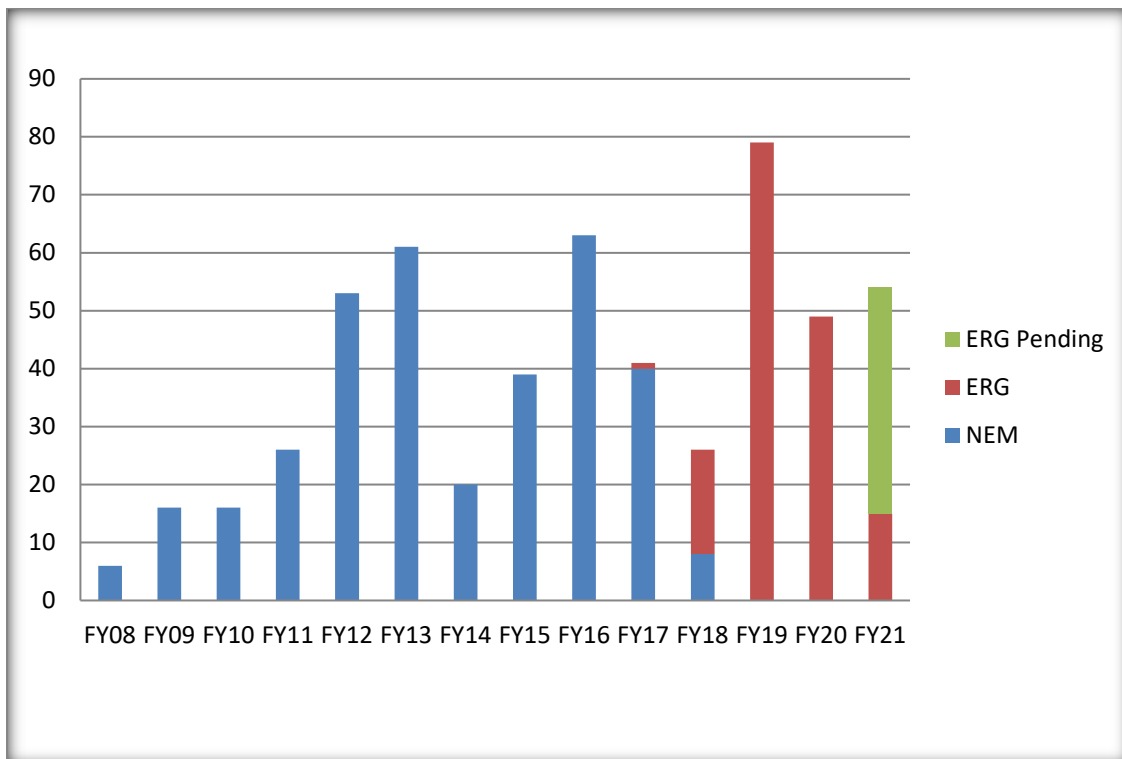


Figure 3: Residential Solar Interconnections

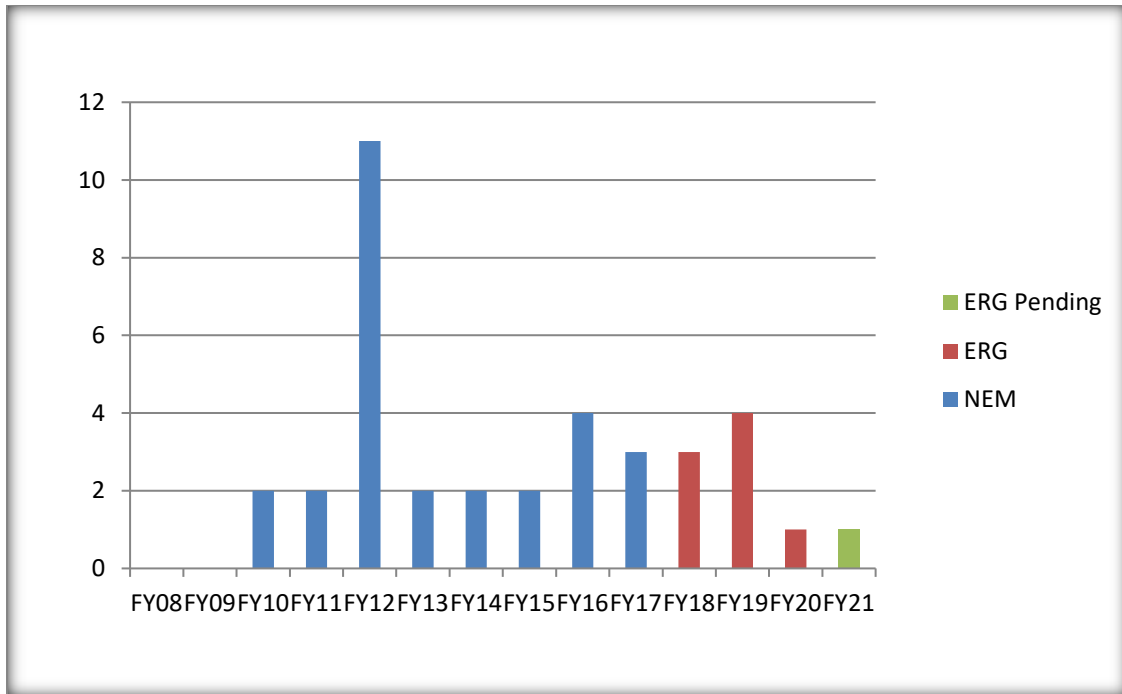


Figure 4: Commercial Solar Interconnections

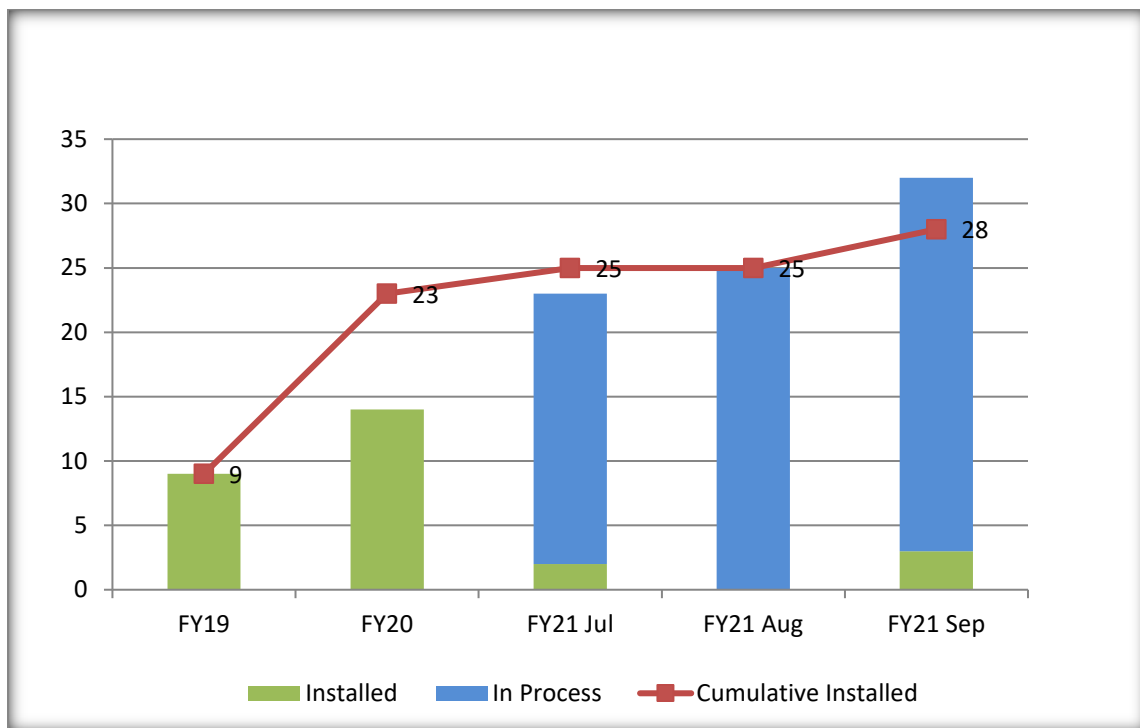
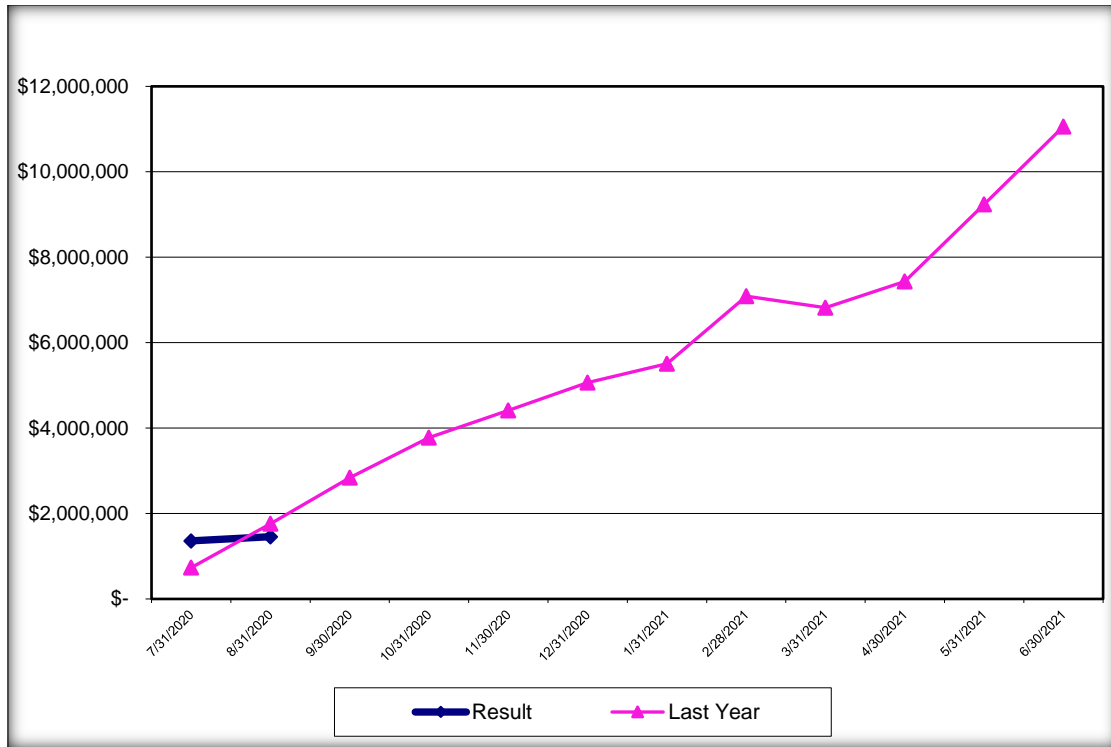


Figure 5: Battery Storage

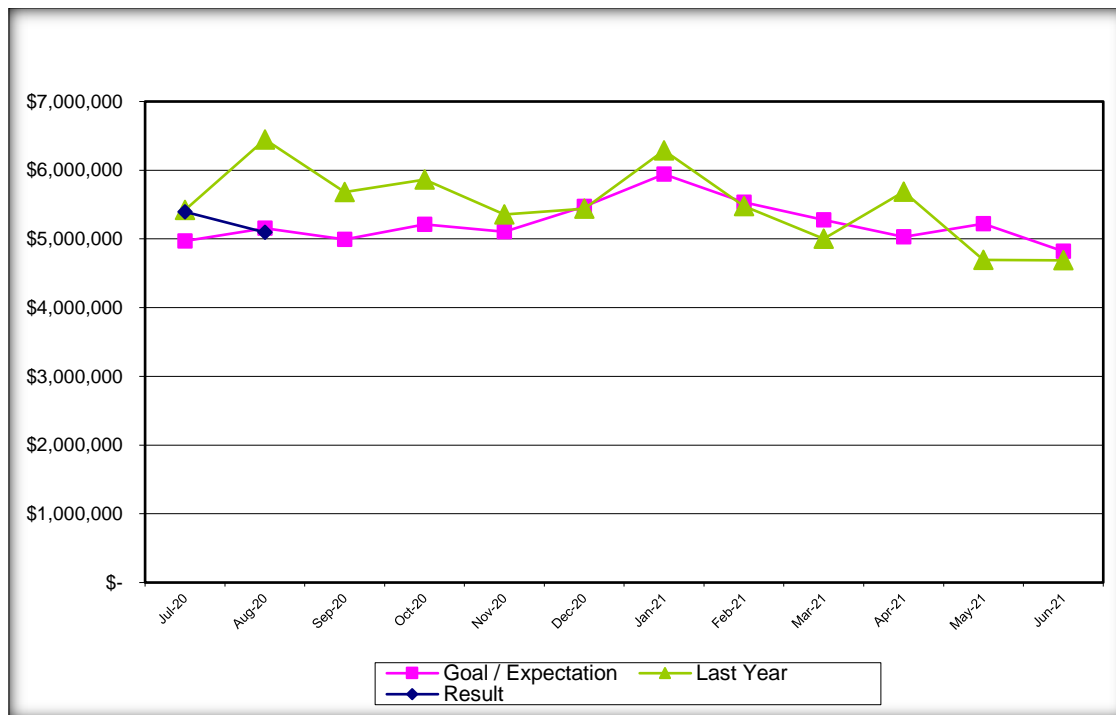
## FINANCIALS

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

<i>Report Status as of:</i>				
<b><i>September 30, 2020</i></b>	Monthly		Annual (FY) To Date	
	Goal	Result	Goal	Result
Total Operating Revenue - Electric (August 2020)	5,157,385	5,095,668	10,124,729	10,490,848
Total Operating Expense - Electric (August 2020)	4,233,418	4,524,179	8,326,573	8,507,401
Note: Shaded areas indicate the data is displayed on the accompanying graphs				

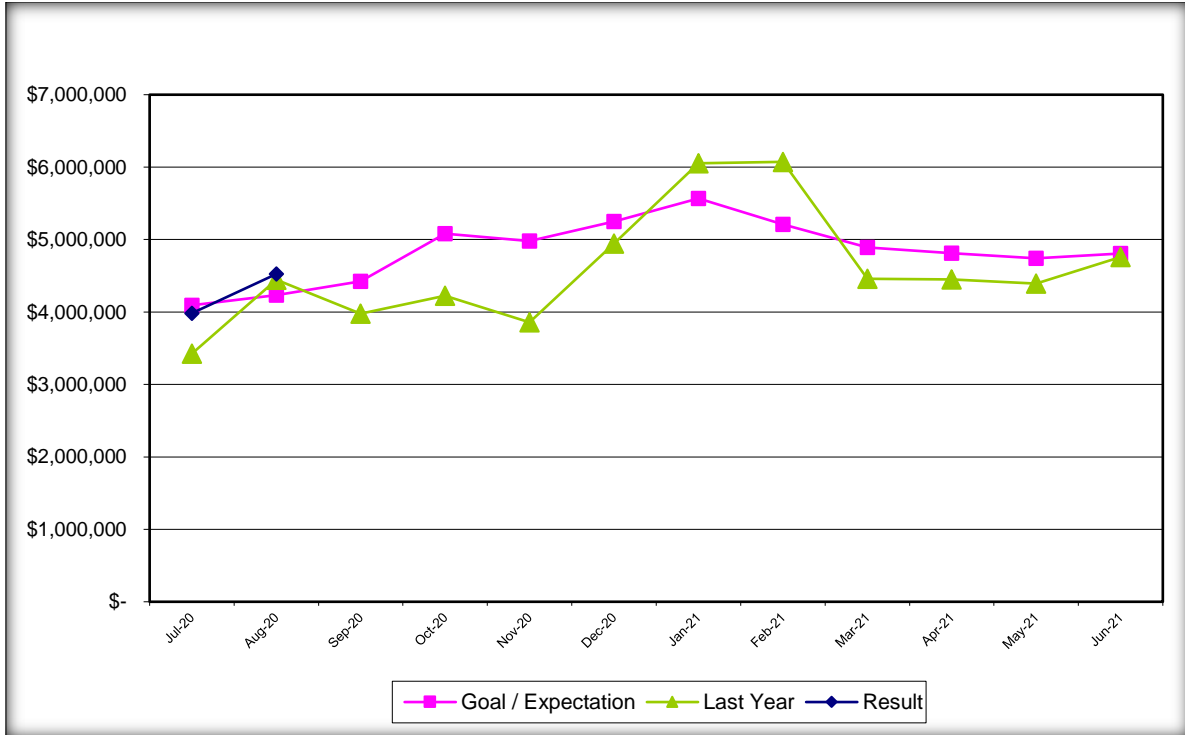


**Figure 6: Fiscal Year 2021 Cumulative Net Income – Electric**

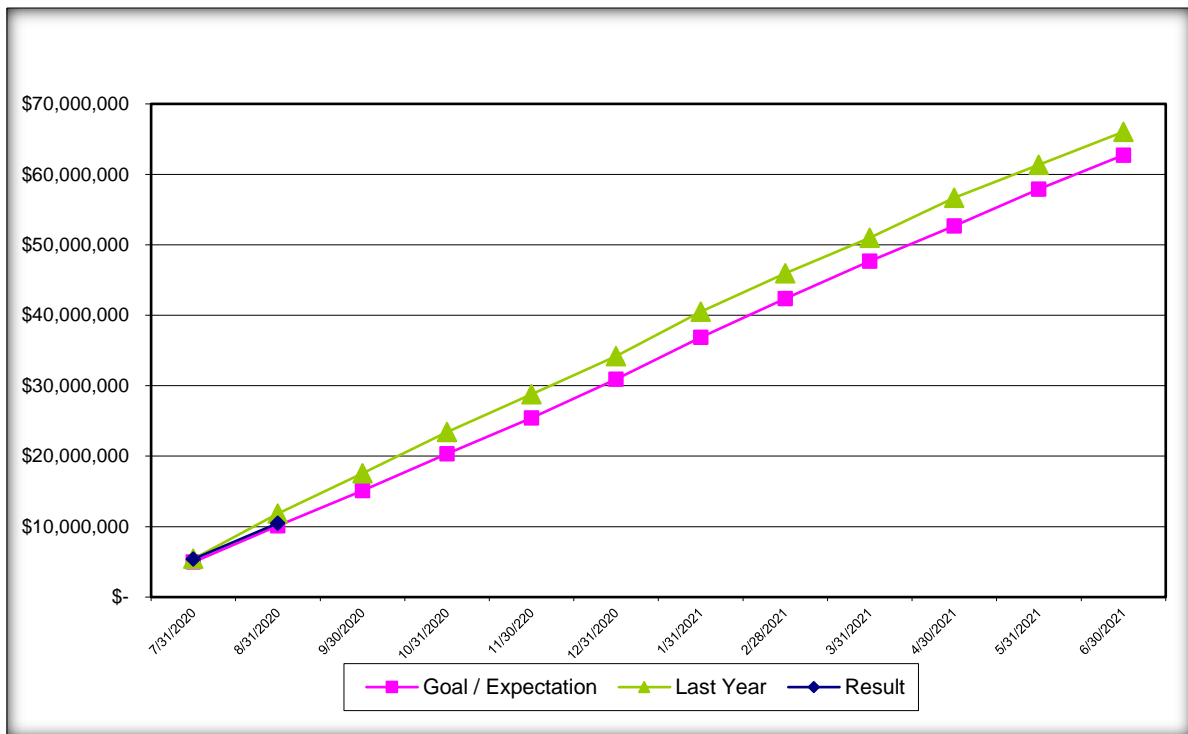


**Figure 7: Fiscal Year 2021 Monthly Operating Revenue – Electric**





**Figure 8: Fiscal Year 2021 Monthly Operating Expense – Electric**



**Figure 9: Fiscal Year 2020 Cumulative Operating Revenue – Electric**

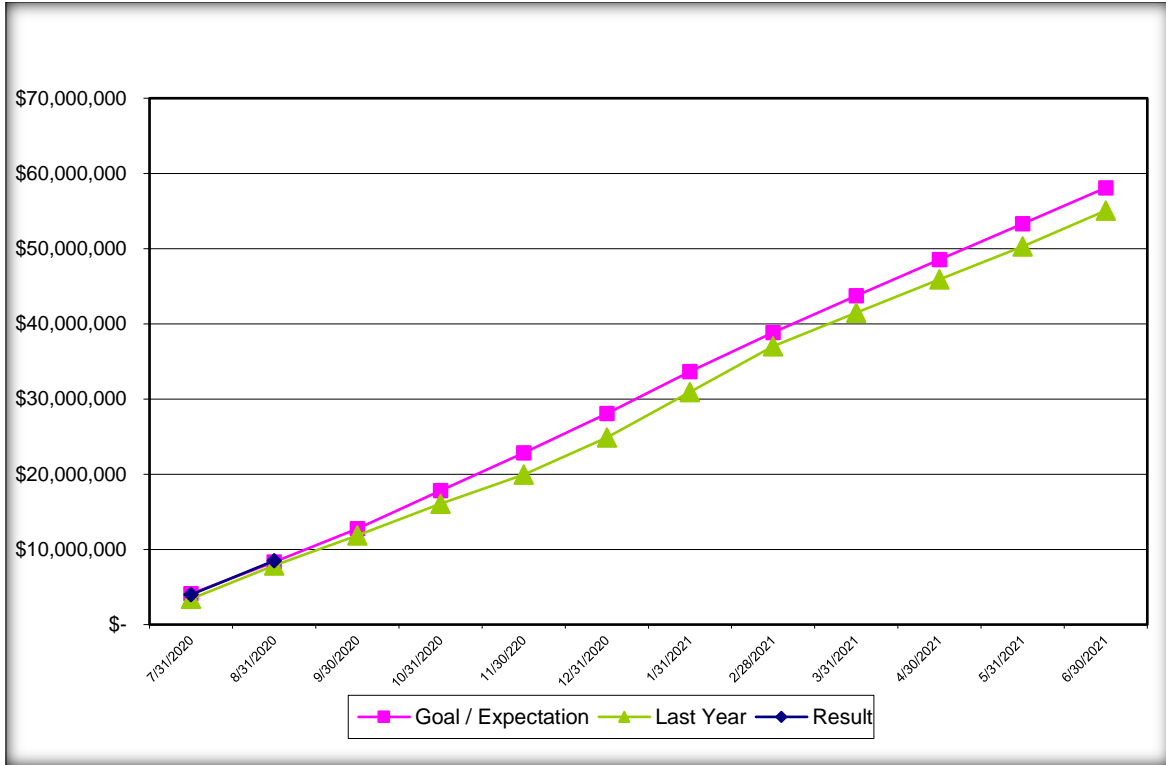


Figure 70: Fiscal Year 2021 Cumulative Operating Expense – Electric

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

<b>Cap &amp; Trade Revenue Reserve - 10 2114</b>		<b>Funding from Cash Receipts</b>		<b>Power Costs</b>	<b>Operating Expenses</b>	<b>Capital Projects</b>	<b>Total Expenditures</b>	<b>Reserve Balance</b>
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						-	3,013,975
	Oct-20						-	3,013,975
	Nov-20						-	3,013,975
	Dec-20						-	3,013,975
	Jan-21						-	3,013,975
	Feb-21						-	3,013,975
	Mar-21						-	3,013,975
	Apr-21						-	3,013,975
	May-21						-	3,013,975
	Jun-21						-	3,013,975
	<b>Total To Date</b>	-	(408,334)		-	(197,518)	(605,852)	3,013,975

<b>Renewable Energy Credits Revenue Reserve - 10 2113</b>		<b>Funding from Cash Receipts</b>		<b>Power Costs</b>	<b>Operating Expenses</b>	<b>Capital Projects</b>	<b>Total Expenditures</b>	<b>Reserve Balance</b>
Reserve	Beginning Balance 6-30-2020							20,037,572
	Jul-20	-	-		-	-	-	20,037,572
	Aug-20	-	(640)		(8,813)	-	(9,453)	20,028,119
	Sep-20						-	20,028,119
	Oct-20						-	20,028,119
	Nov-20						-	20,028,119
	Dec-20						-	20,028,119
	Jan-21						-	20,028,119
	Feb-21						-	20,028,119
	Mar-21						-	20,028,119
	Apr-21						-	20,028,119
	May-21						-	20,028,119
	Jun-21						-	20,028,119
	<b>Total To Date</b>	-	(640)		(8,813)	-	(9,453)	20,028,119

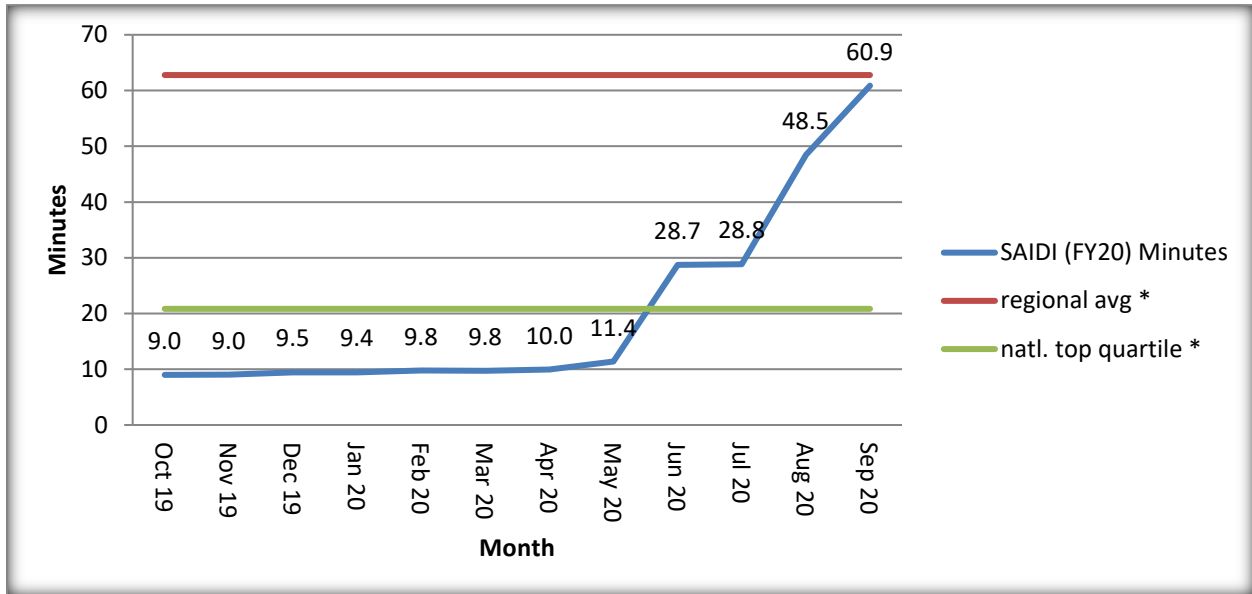
  

<b>Low Carbon Fuel Standard Revenue Reserve - 10 2115</b>		<b>Funding from Cash Receipts</b>		<b>Power Costs</b>	<b>Operating Expenses</b>	<b>Capital Projects</b>	<b>Total Expenditures</b>	<b>Reserve Balance</b>
Reserve	Beginning Balance 6-30-2020							1,737,572
	Jul-20	-	-		(3,616)	-	(3,616)	1,733,956
	Aug-20	-	-		(9,737)	-	(9,737)	1,724,219
	Sep-20						-	1,724,219
	Oct-20						-	1,724,219
	Nov-20						-	1,724,219
	Dec-20						-	1,724,219
	Jan-21						-	1,724,219
	Feb-21						-	1,724,219
	Mar-21						-	1,724,219
	Apr-21						-	1,724,219
	May-21						-	1,724,219
	Jun-21						-	1,724,219
	<b>Total To Date</b>	-	-		(13,353)	-	(13,353)	1,724,219

<b>Combined Total</b>		-	(408,974)		(22,166)	(197,518)	(628,658)	24,766,312
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## 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."

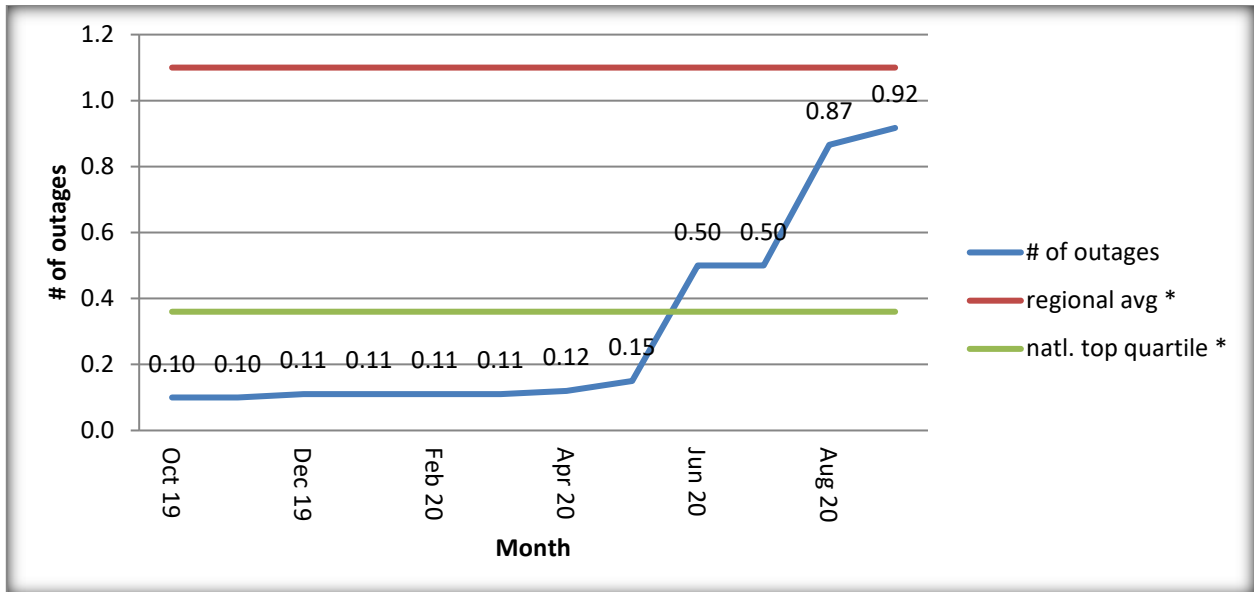


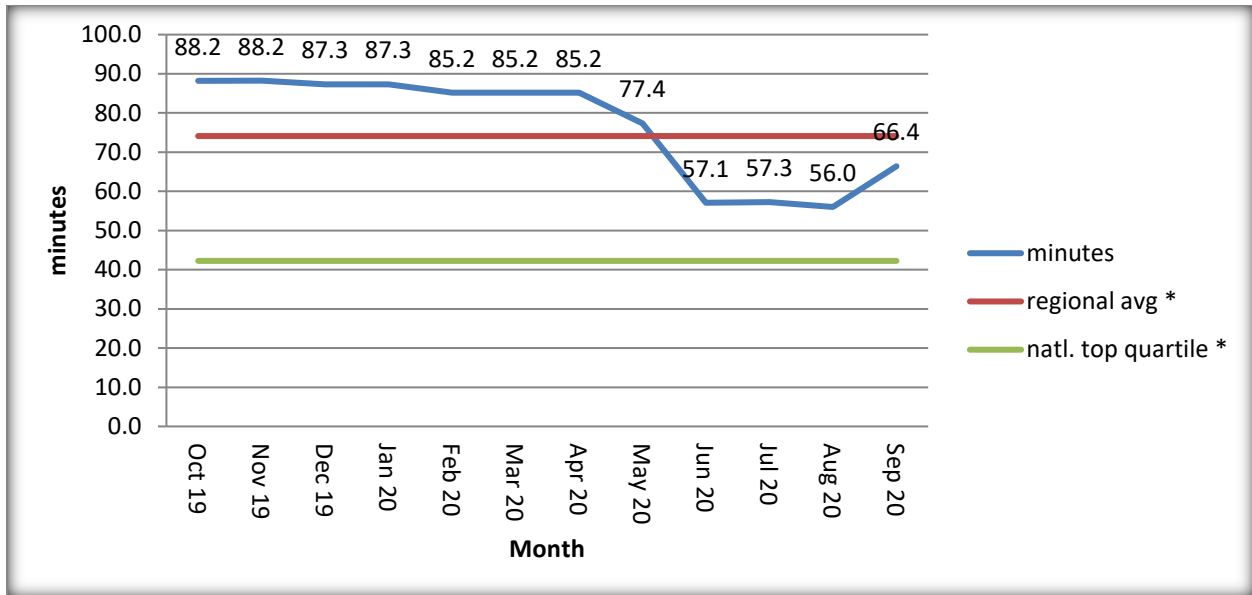
Figure 12: Rolling Twelve-Month System Average Interruption Frequency Index (SAIFI)

\*Based on Benchmark study of Western Regional Utilities

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

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

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

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.

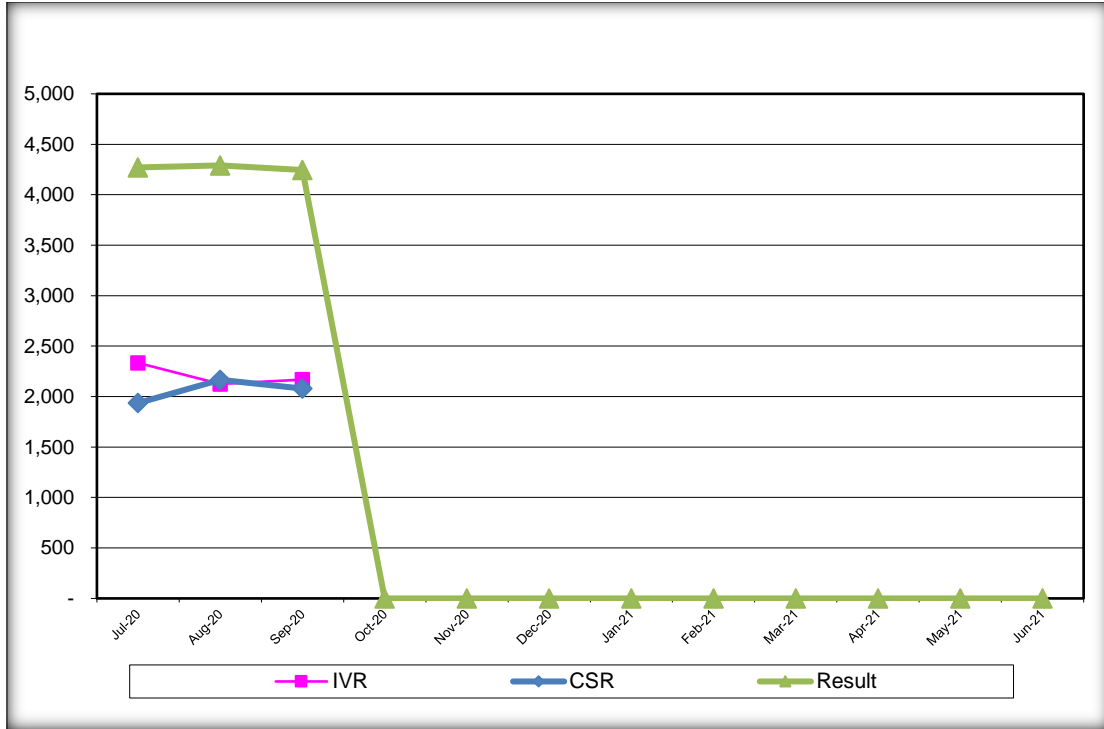


Figure 148: Fiscal Year 2021 Call Volume Through September 30, 2020