



To: Honorable President and  
Members of the Public Utilities Board

From: Nicolas Procos, General Manager

Re: General Manager's Report – September, 2019

---

## **PUB Highlights**

- **Reliable Public Power Provider Program** – Alameda Municipal Power (AMP) has submitted its entry to the Reliable Public Power Provider (RP3) Program administered by the American Public Power Association (APPA). Results will be available in February 2020. The registration is good for three years. In 2016, AMP received a designation at the Platinum Level (Levels: Gold, Platinum, Diamond).
  - The Association's RP3 program is based on industry-recognized leading practices in four important disciplines scored by an 18-member panel of national public power experts:
    - Reliability
    - Safety
    - Workforce Development
    - System Improvement
  - Being recognized by the RP3 program demonstrates to community leaders, governing board members, suppliers, and service providers a utility's commitment to its employees, customers, and community. Additionally, an RP3 designation is a sign of a utility's dedication to operating an efficient, safe, and reliable distribution system. Currently 274 of the nation's more than 2,000 public power utilities hold an RP3 designation.
- **Safety Summary**
  - Lost Time Cases
    - September: 0
    - Year to Date: 0
  - Vehicle Accidents/ Incidents Year to Date: 2
- **Alameda Green**
  - AMP earned two separate top 10 rankings from the National Renewable Energy Laboratory (NREL) for its Alameda Green Program. The program ranked second on the customer participation rate list and seventh on the rate of green power sales list.

## CUSTOMER PROGRAMS & EXPERIENCE

**Table 1: Summary of Energy Efficiency Programs as of September 30, 2019**

| <b>SUMMARY OF ENERGY EFFICIENCY PROGRAMS AS OF SEPTEMBER 30, 2019*</b> |                              |                |              |              |                                  |                          |
|--|------------------------------|----------------|--------------|--------------|----------------------------------|--------------------------|
| Program  | Annual Savings Target kWh/yr | Jul-19         | Aug-19       | Sep-19       | Cumulative Energy Savings kWh/yr | Percent of Annual Target |
| Residential Refrigeration  | 34,000                       | 0              | 3,688        | 388          | 4,076                            | 12%                      |
| Residential Lighting   | 136,000                      | 463            | 1,818        | 273          | 2,554                            | 2%                       |
| Residential Other  |                              | 948            | 616          | 498          | 2,062                            |                          |
| Energy Plus  | 461,746                      | 381,619        | 0            | 0            | 381,619                          | 83%                      |
| Non-Residential Lighting, Custom                                       | 89,840                       | 0              | 0            | 0            | 0                                | 0%                       |
| Non-Residential Customized, Other                                      | 88,334                       | 0              | 0            | 0            | 0                                | 0%                       |
| Non-Residential New Construction                                       | 21,080                       | 0              | 0            | 0            | 0                                | 0%                       |
| Non-Residential, Other   |                              | 0              | 0            | 0            | 0                                |                          |
| <b>TOTAL</b>   | <b>831,000</b>               | <b>383,030</b> | <b>6,122</b> | <b>1,159</b> | <b>390,311</b>                   | <b>47%</b>               |

\*Numbers represent gross savings

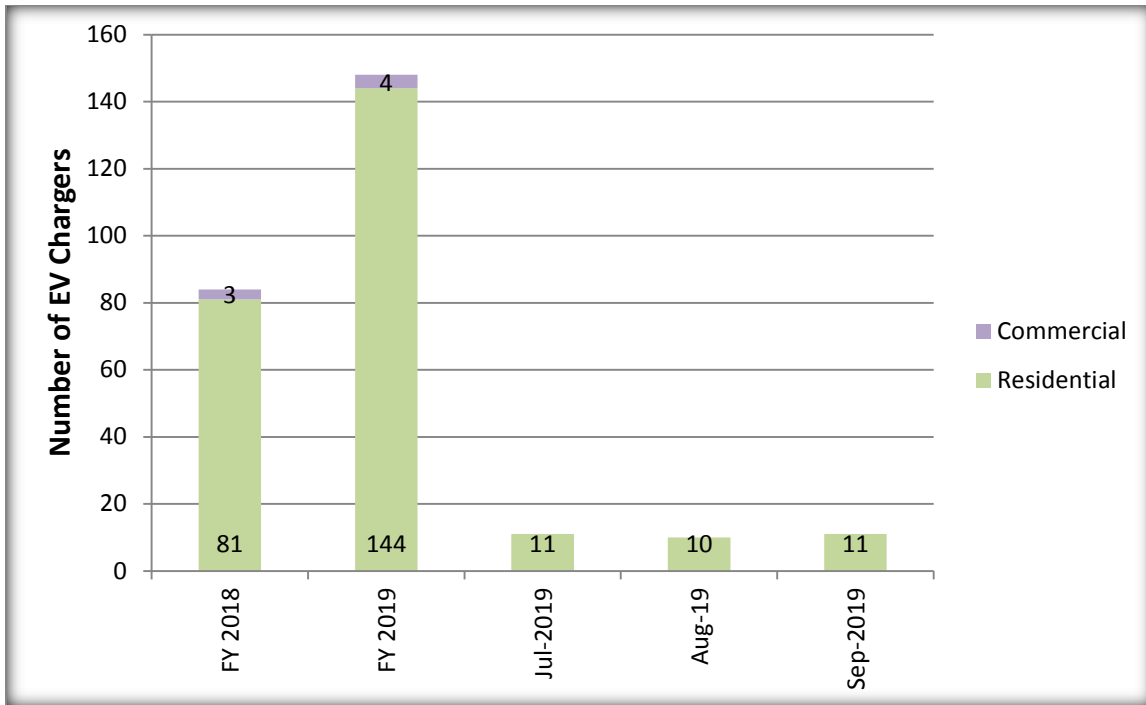


Figure 1: Electric Vehicle Charger Rebates

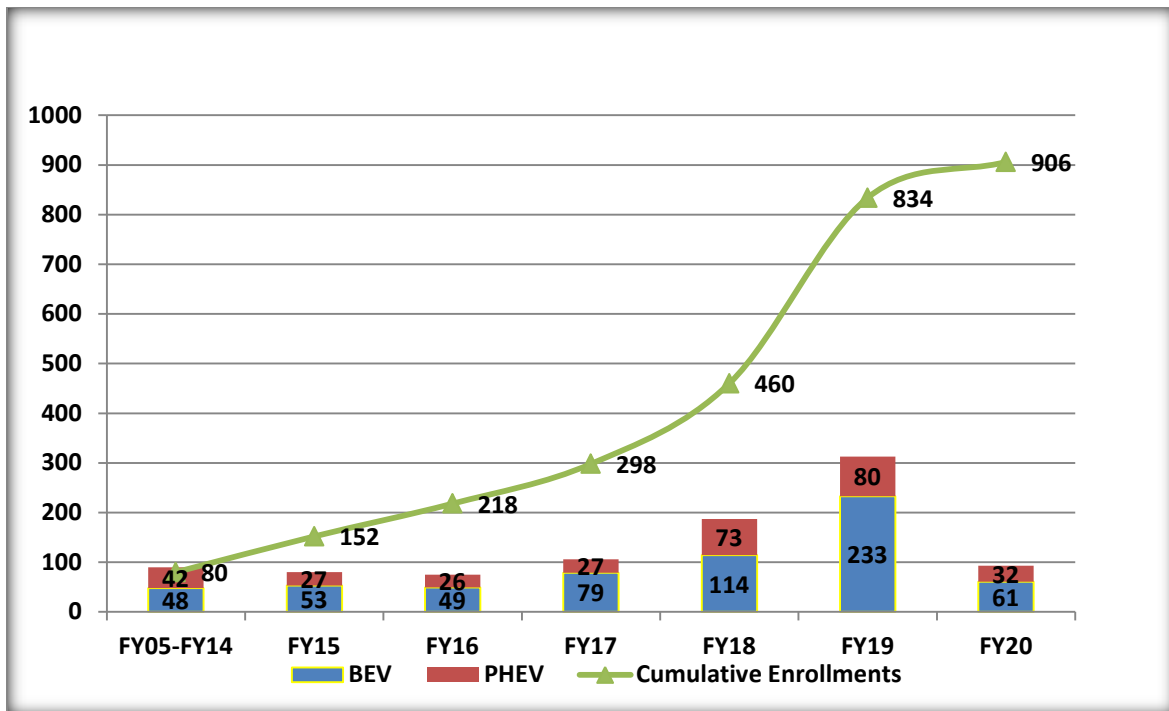


Figure 2: Electric Vehicle Discount Program Participation

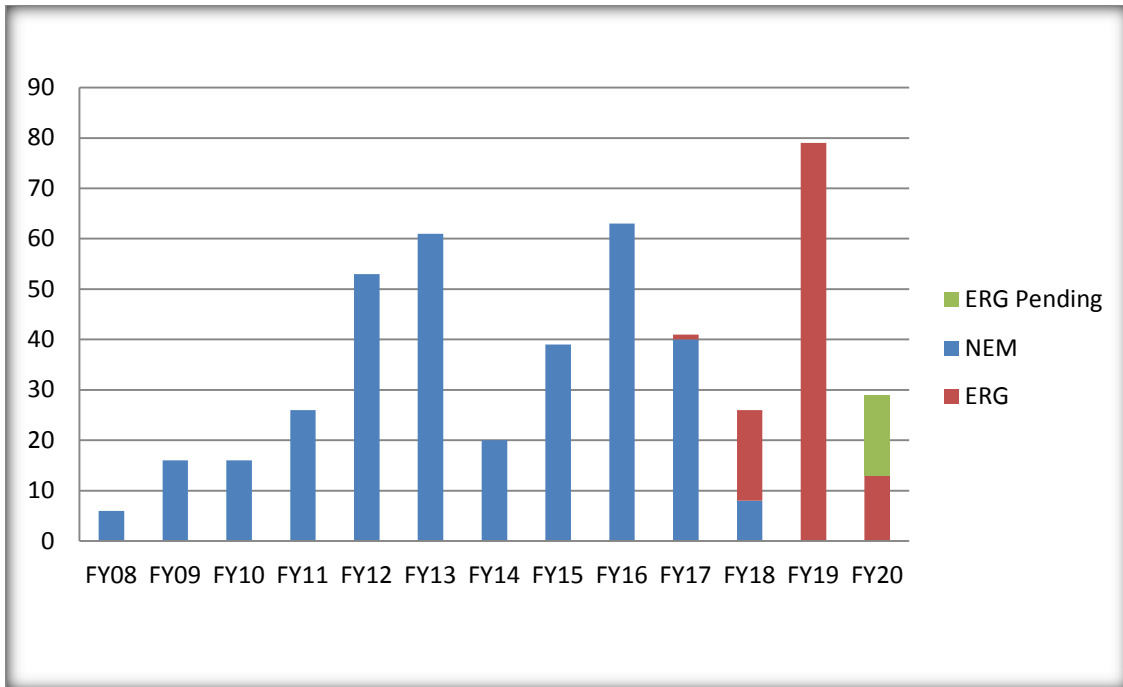


Figure 3: Residential Solar Interconnections

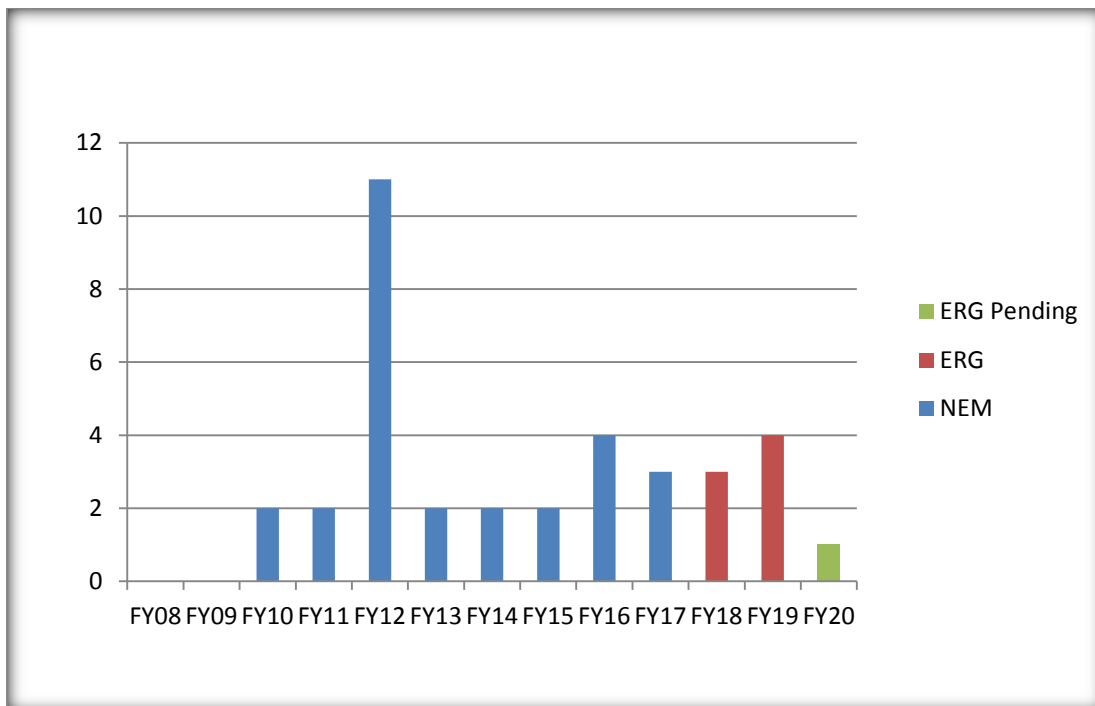


Figure 4: Commercial Solar Interconnections

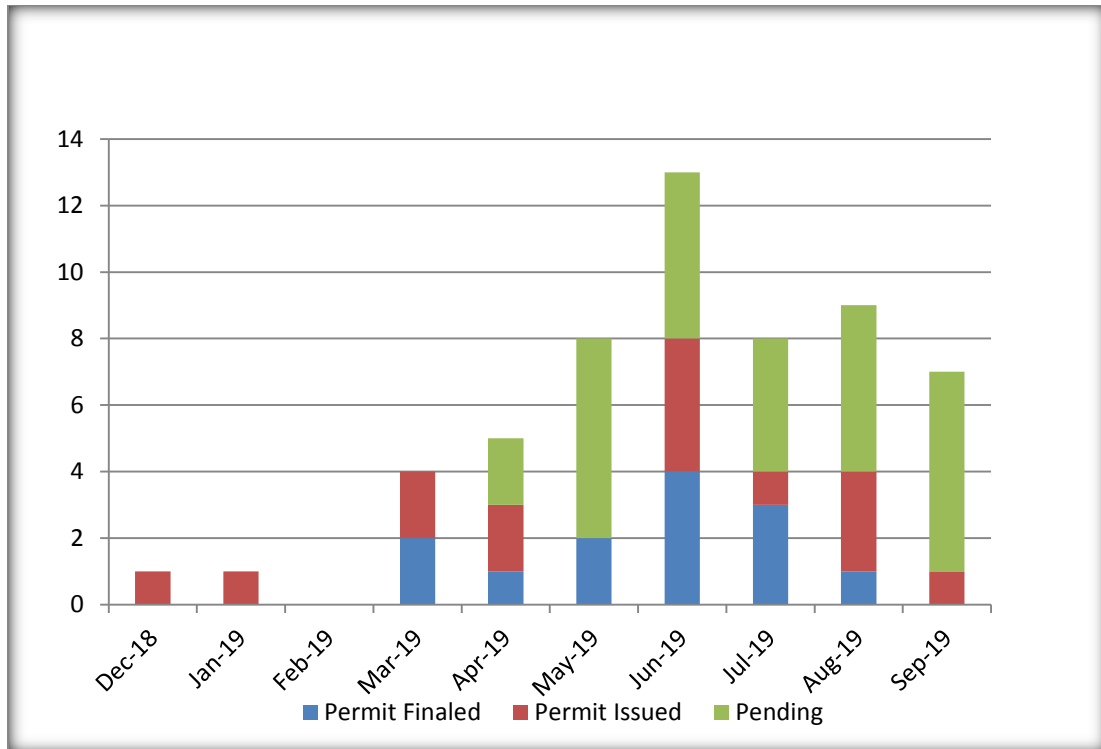
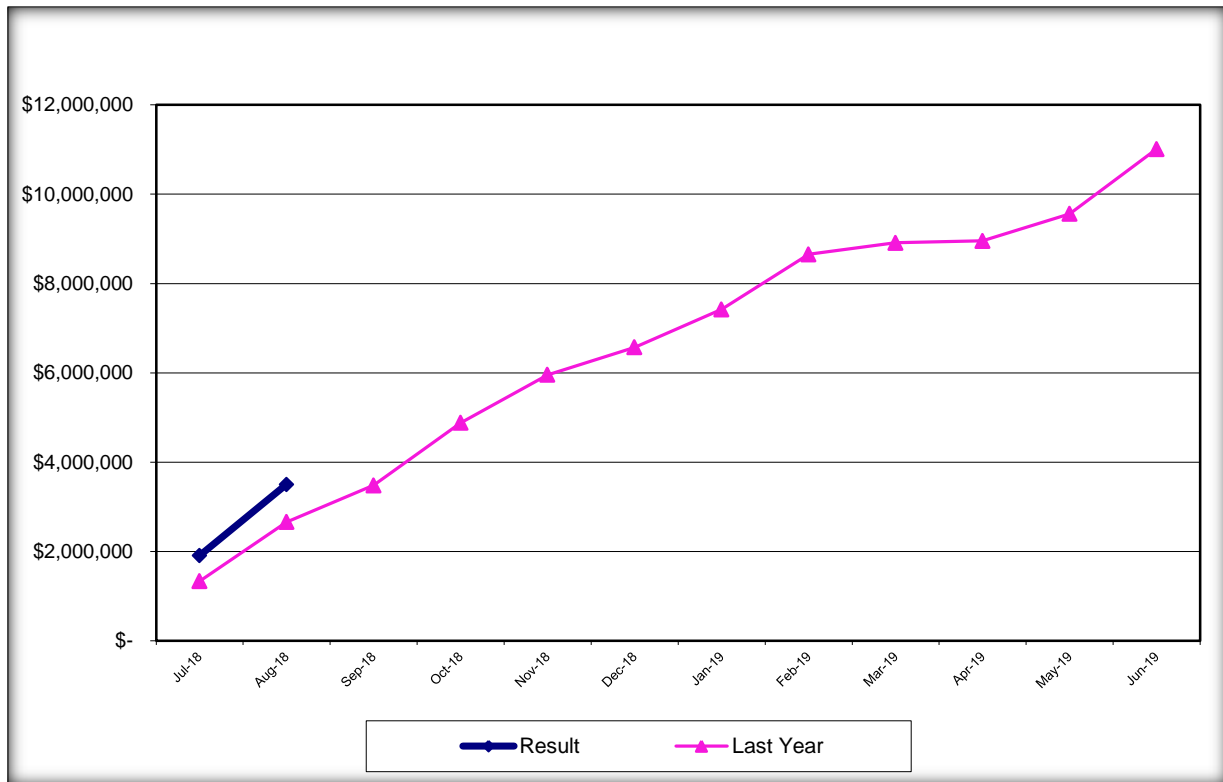


Figure 5: Battery Storage

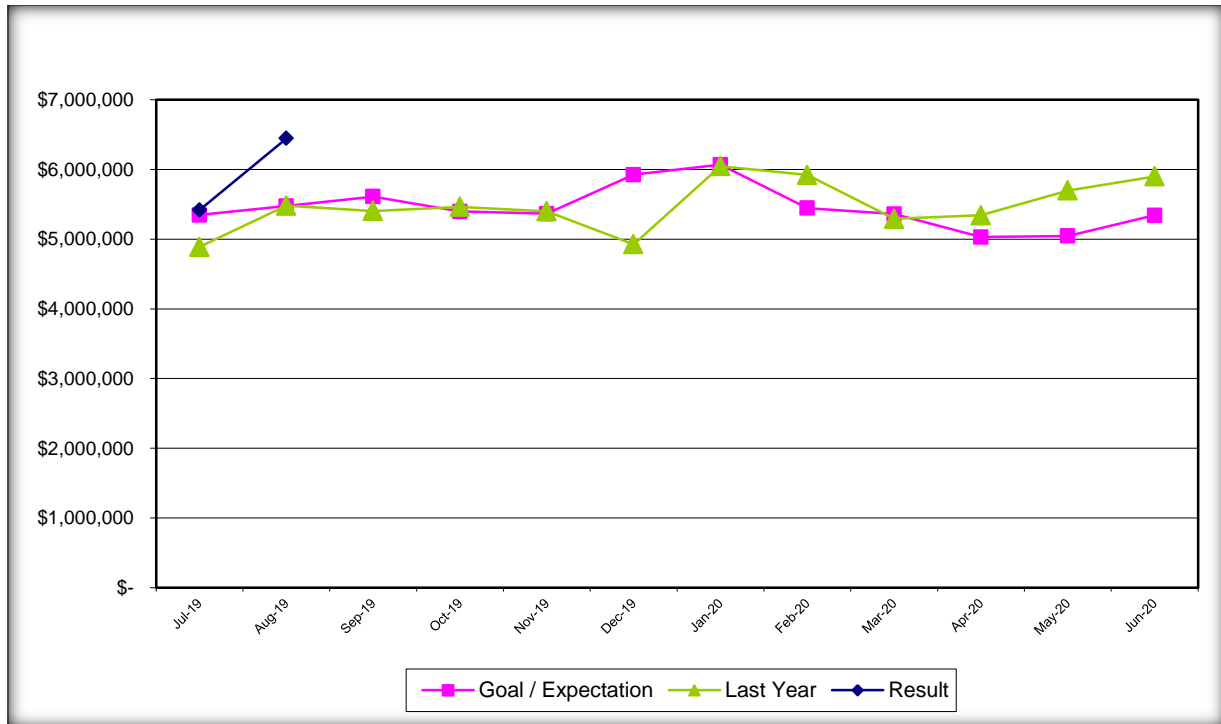
## FINANCIALS

**Table 2: Monthly and Year to Date Total Operating Revenue and Expense Report as of September 30, 2019**

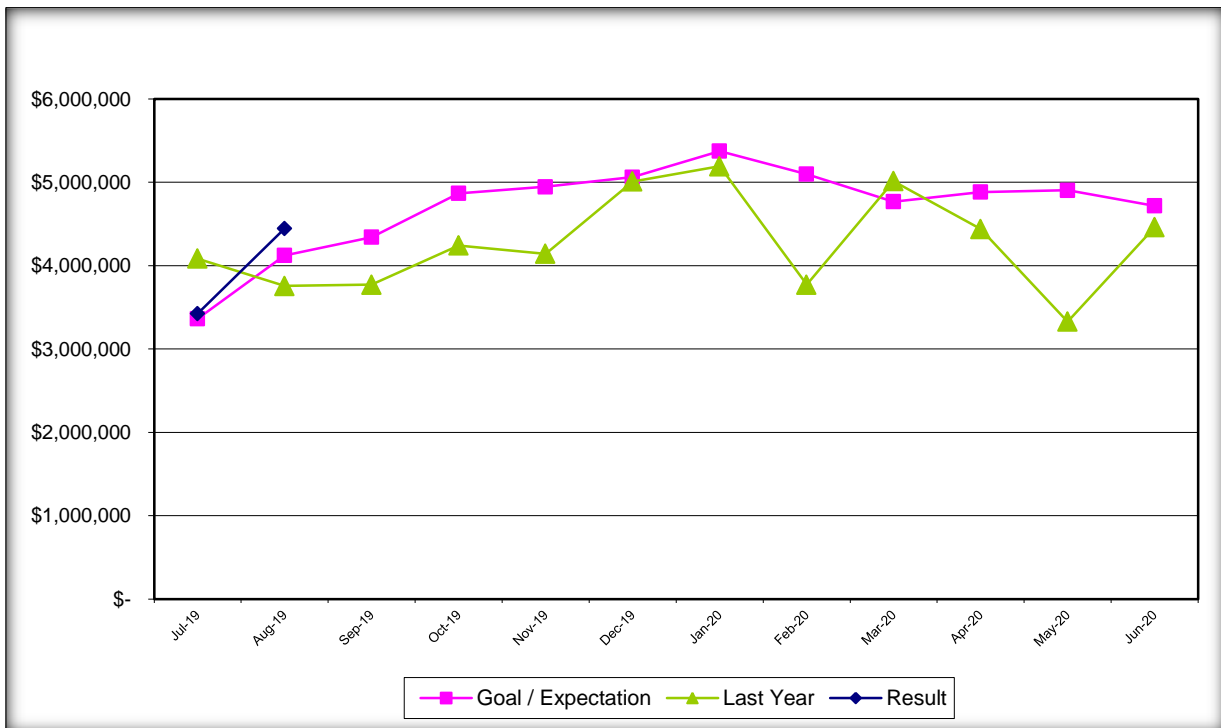
| <i>Report Status as of:</i>  |           |           |                     |        |
|--|-----------|-----------|---------------------|--------|
| <b>September 30, 2019</b>  | Monthly   |           | Annual (FY) To Date |        |
|  | Goal      | Result    | Goal                | Result |
| Total Operating Revenue - Electric (August 2019)                             | 5,476,204 | 6,447,976 | 10,824,317          | 0      |
| Total Operating Expense - Electric (August 2019)                             | 4,122,515 | 4,444,970 | 7,484,764           | 0      |
| Note: Shaded areas indicate the data is displayed on the accompanying graphs |           |           |                     |        |



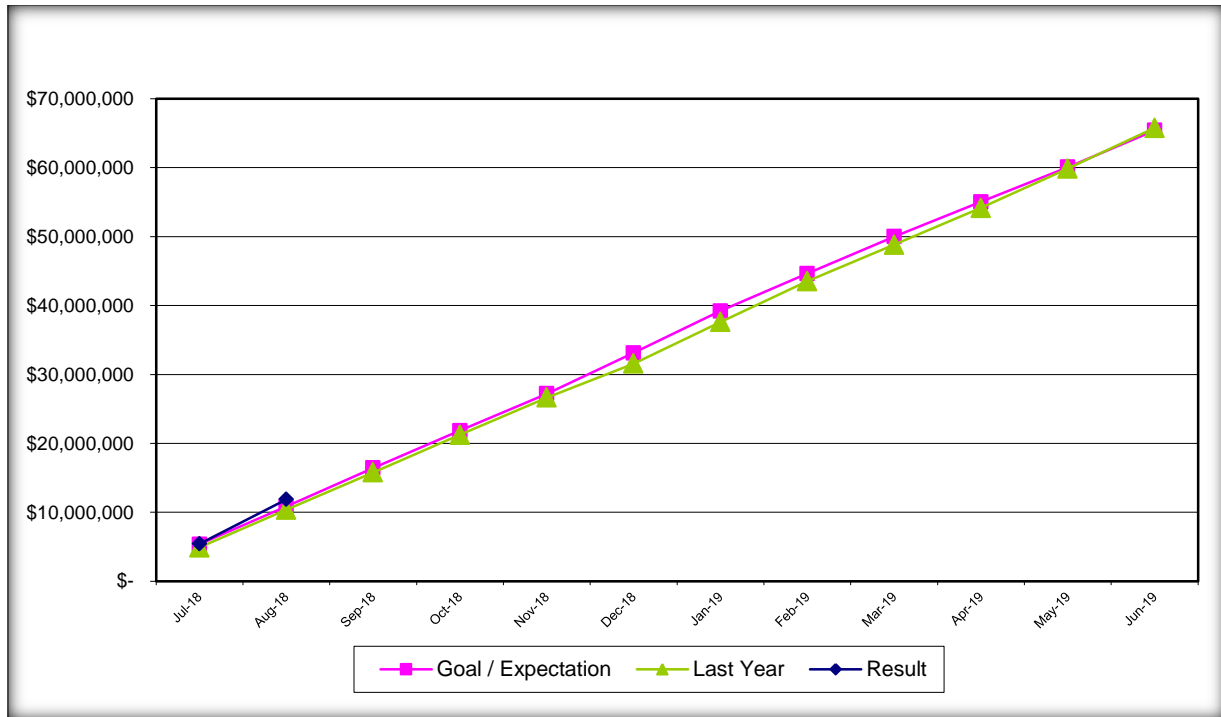
**Figure 6: Fiscal Year 2020 Cumulative Net Income – Electric**



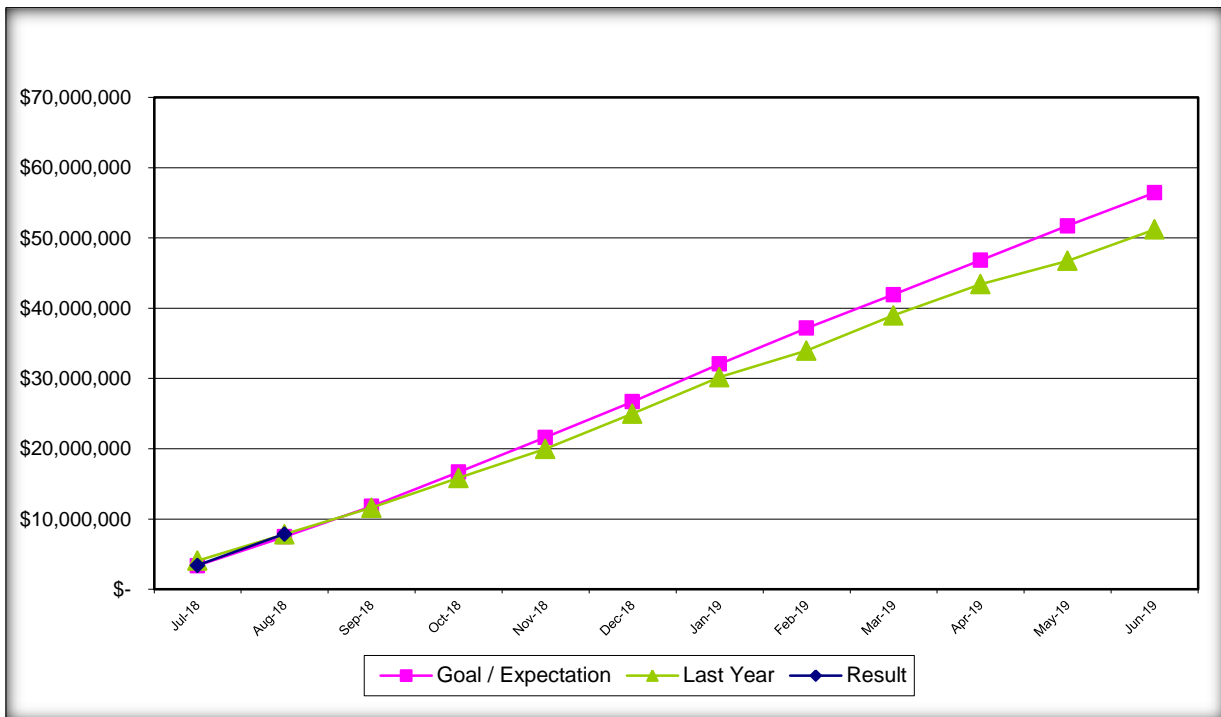
**Figure 7: Fiscal Year 2020 Monthly Operating Revenue – Electric**



**Figure 8: Fiscal Year 2020 Monthly Operating Expense – Electric**

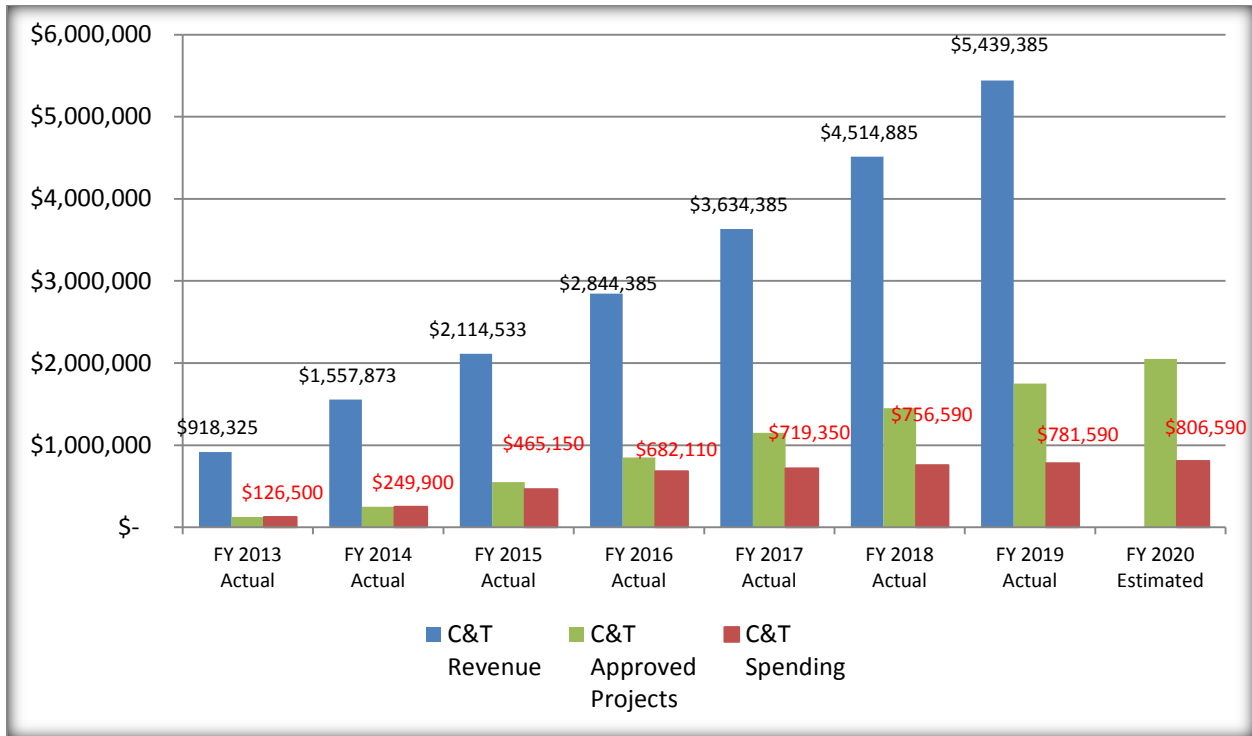


**Figure 9: Fiscal Year 2020 Cumulative Operating Revenue – Electric**

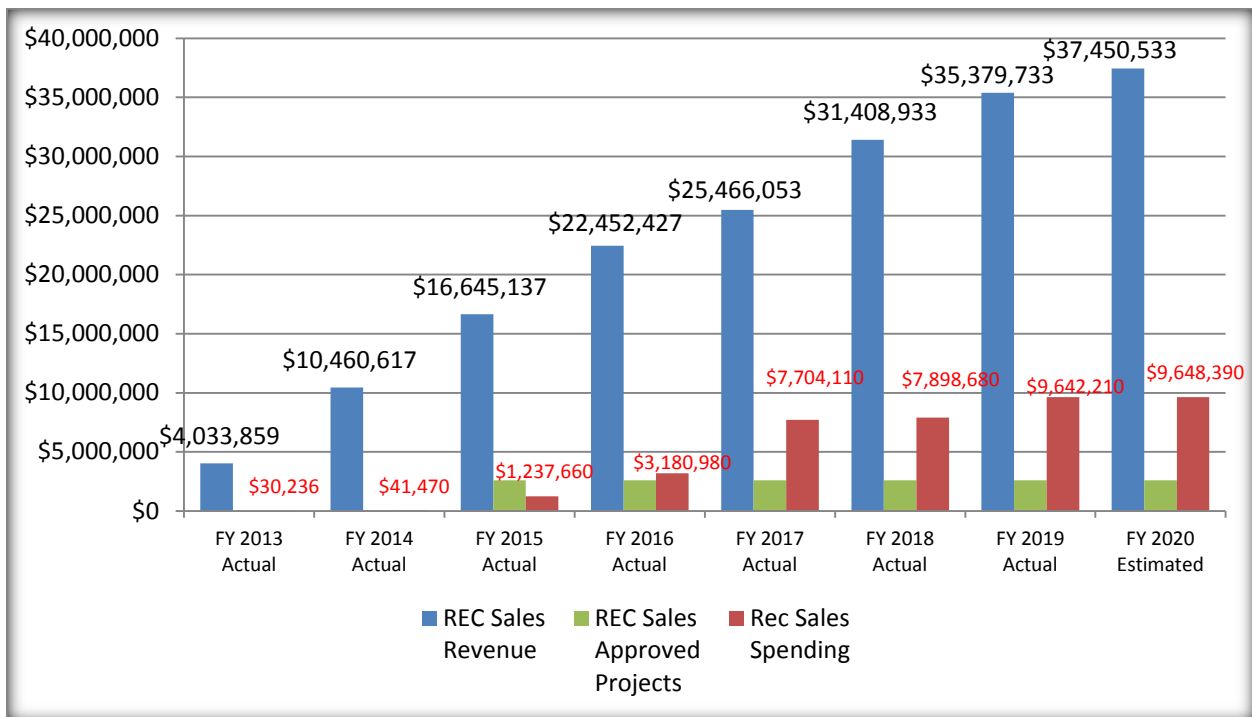


**Figure 10: Fiscal Year 2020 Cumulative Operating Expense – Electric**



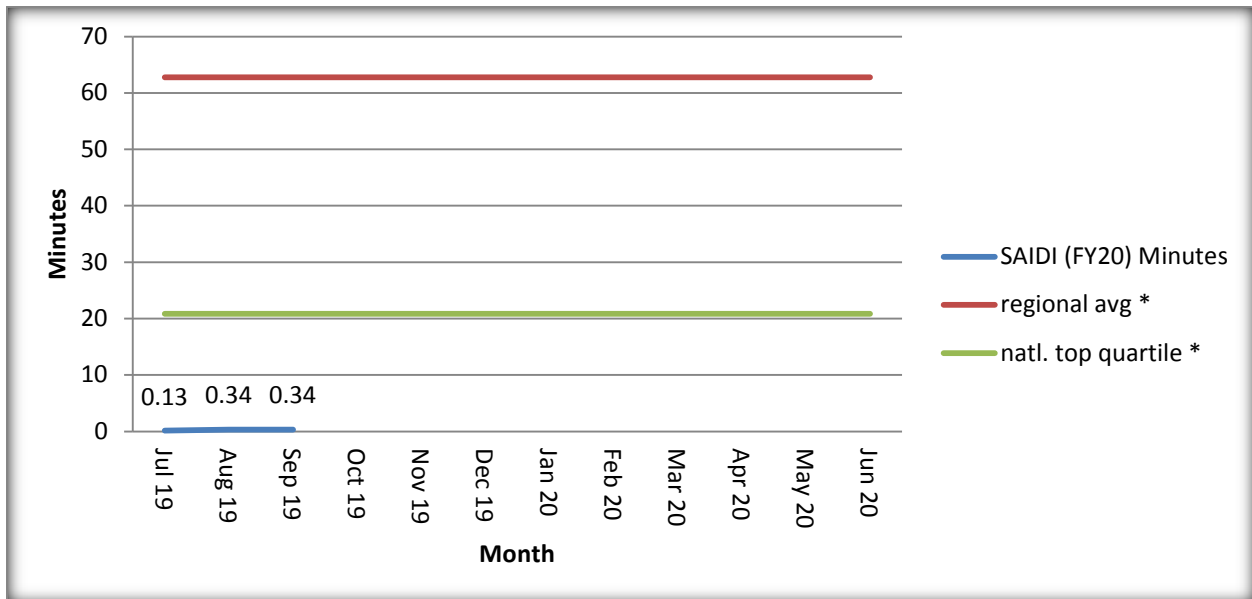


**Figure 11: Cap & Trade (CT) Cumulative Through August 2019**



**Figure 12: Renewable Energy Credits (REC) Sales Cumulative Through August 2019**

## OPERATIONAL STATISTICS



**Figure 13: System Average Interruption Duration Index (SAIDI) Fiscal Year 2020**

\*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."

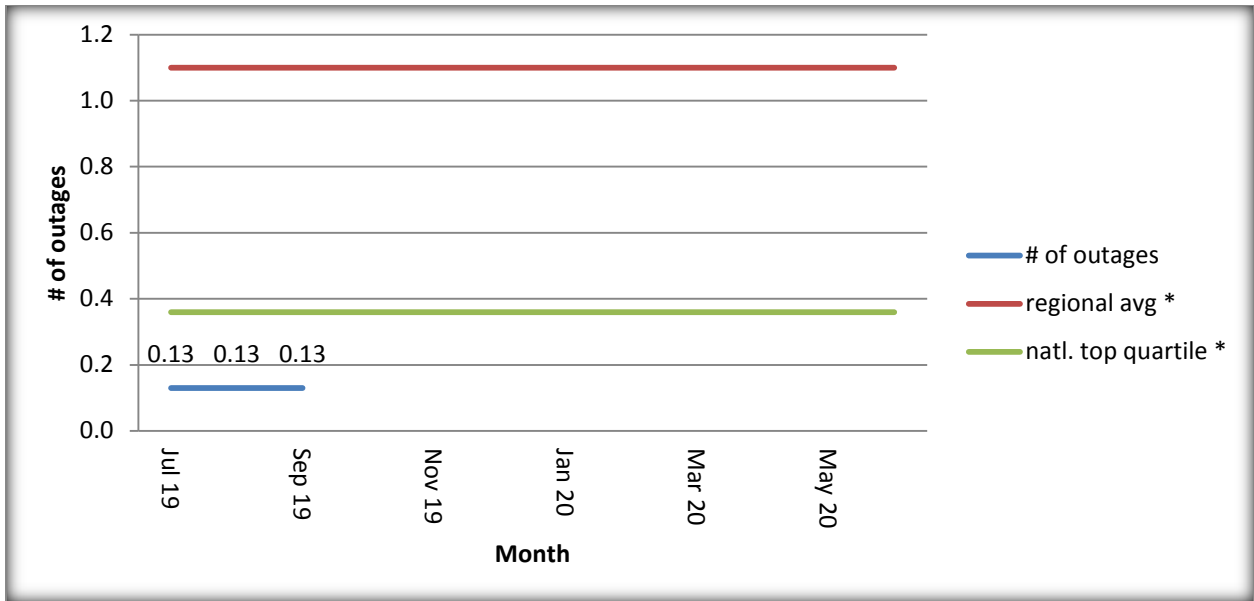


Figure 14: System Average Interruption Frequency Index (SAIFI) Fiscal Year 2020

\*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".

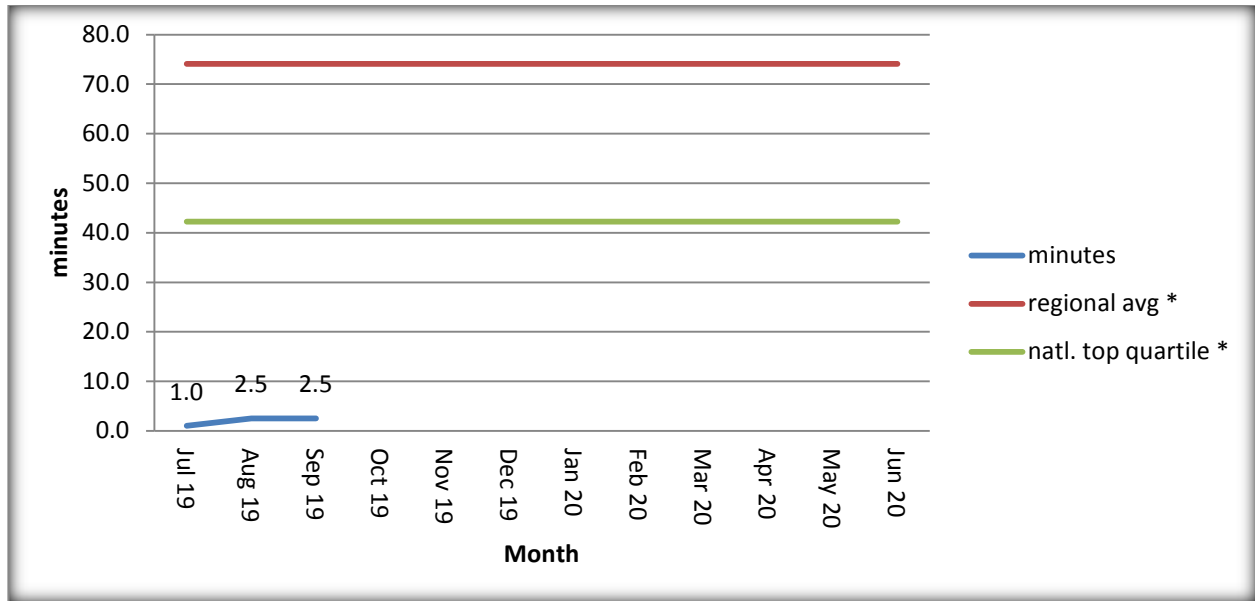


Figure 15: Customer Average Interruption Duration Index (CAIDI) Fiscal Year 2020

\*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."

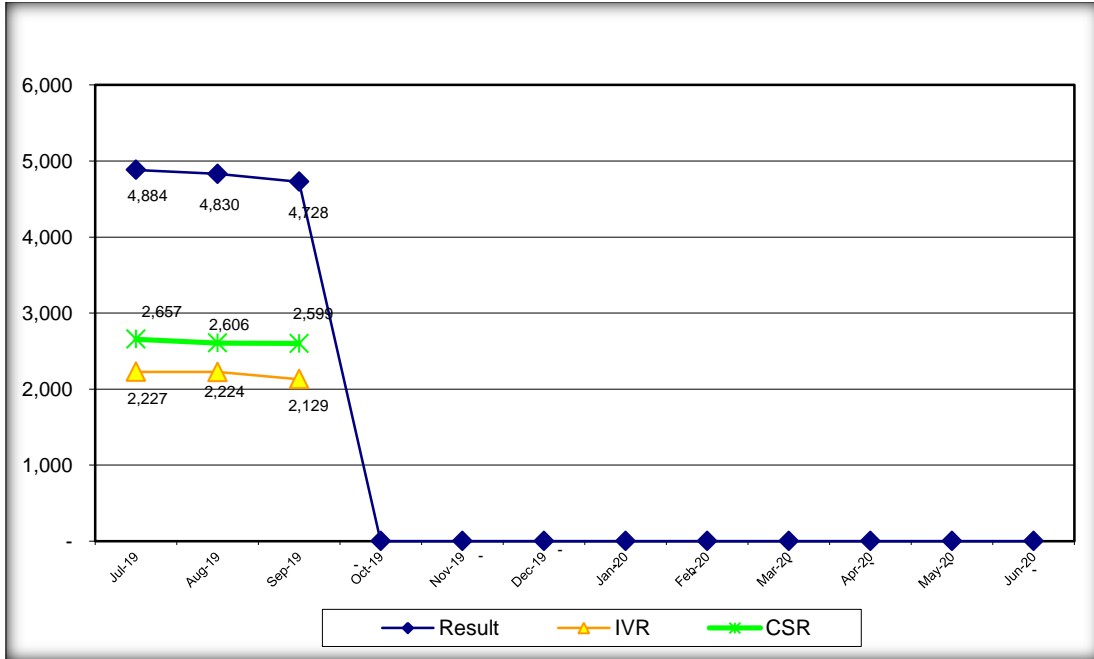


Figure 166: Call Volume Through September 30, 2019