

Customer Energy Solutions

Program Update

Data through September 2019

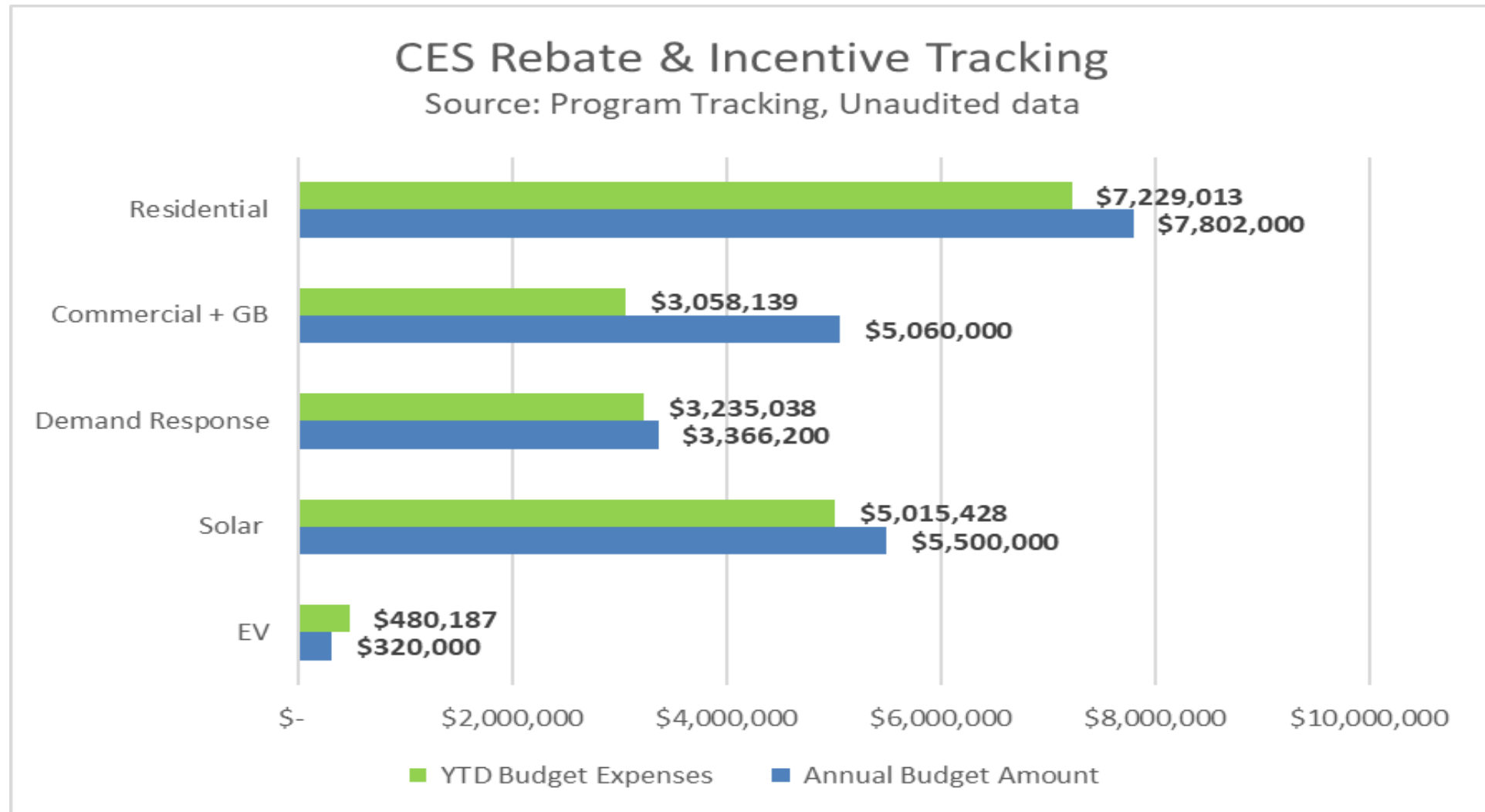
Customer Energy Solutions & Corporate Communications



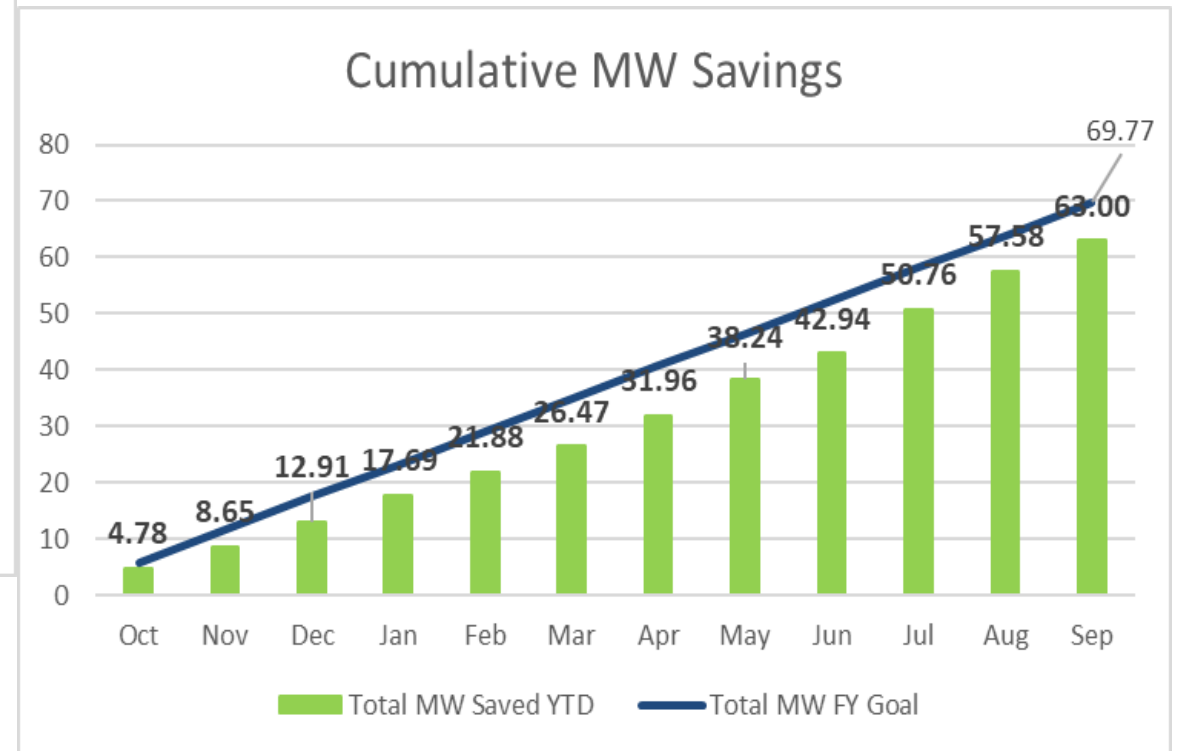
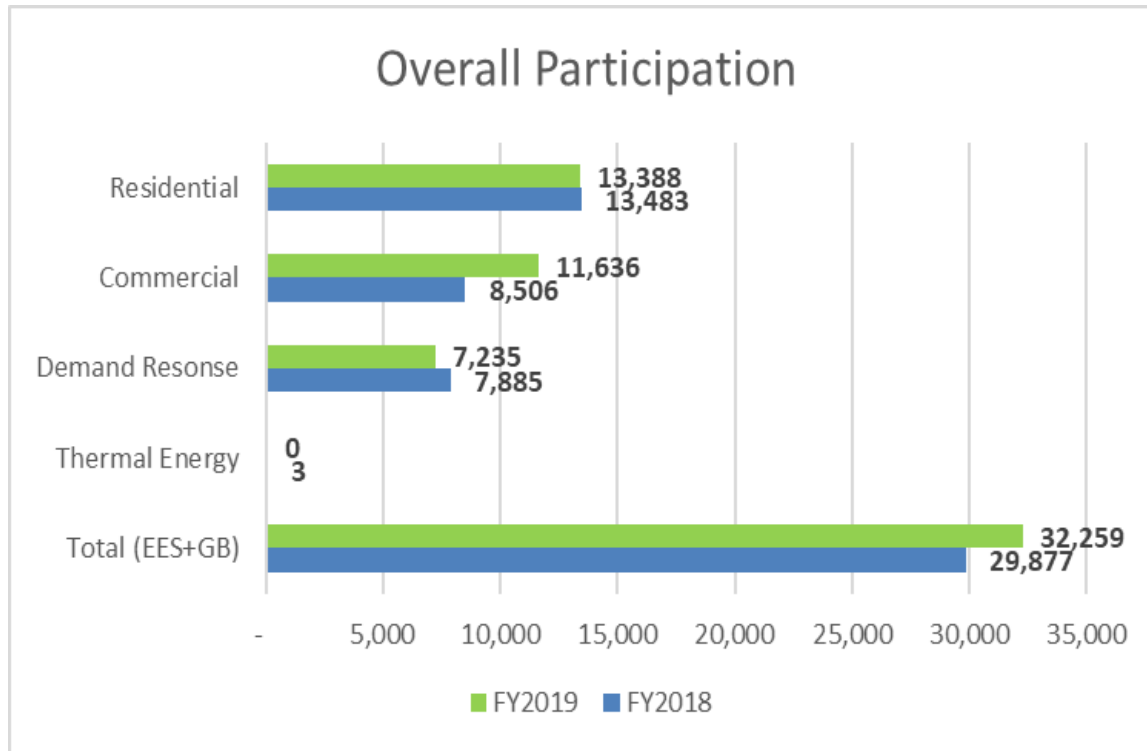
October 2019

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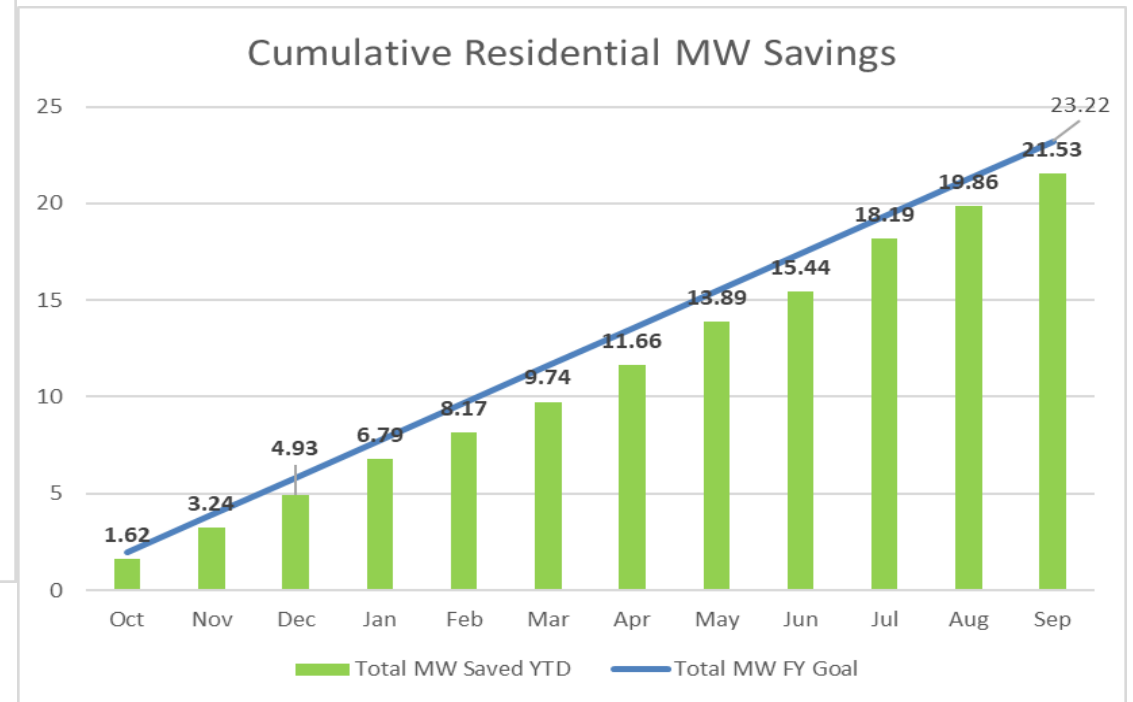
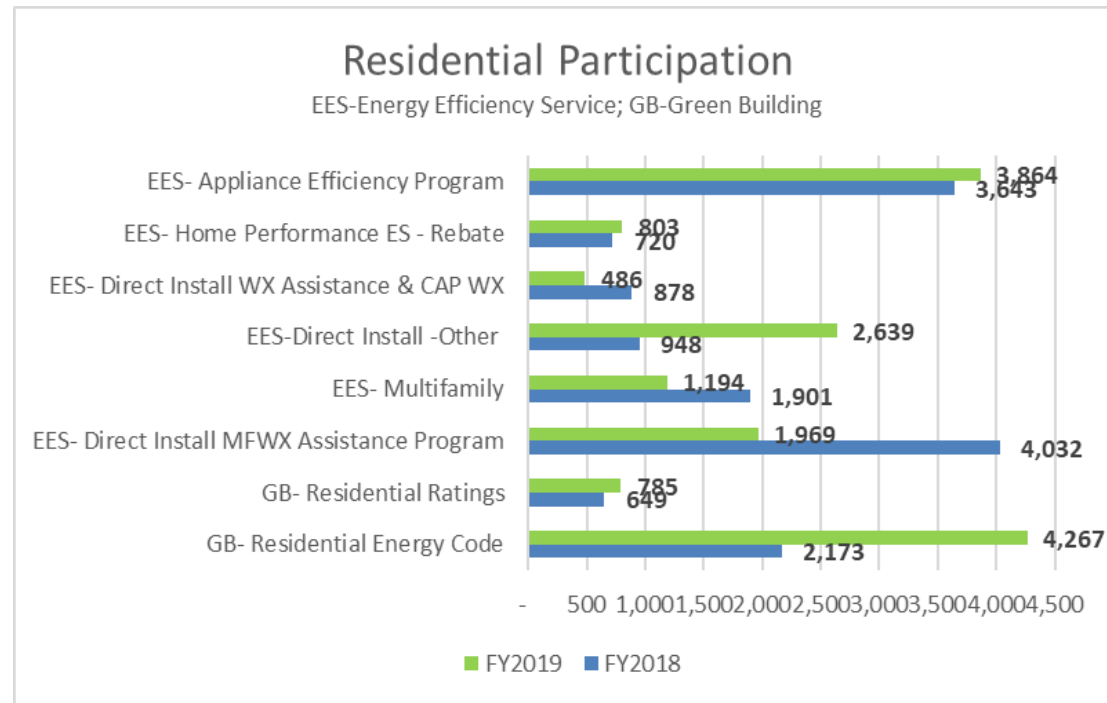
CES Rebates & Incentives FY19 September



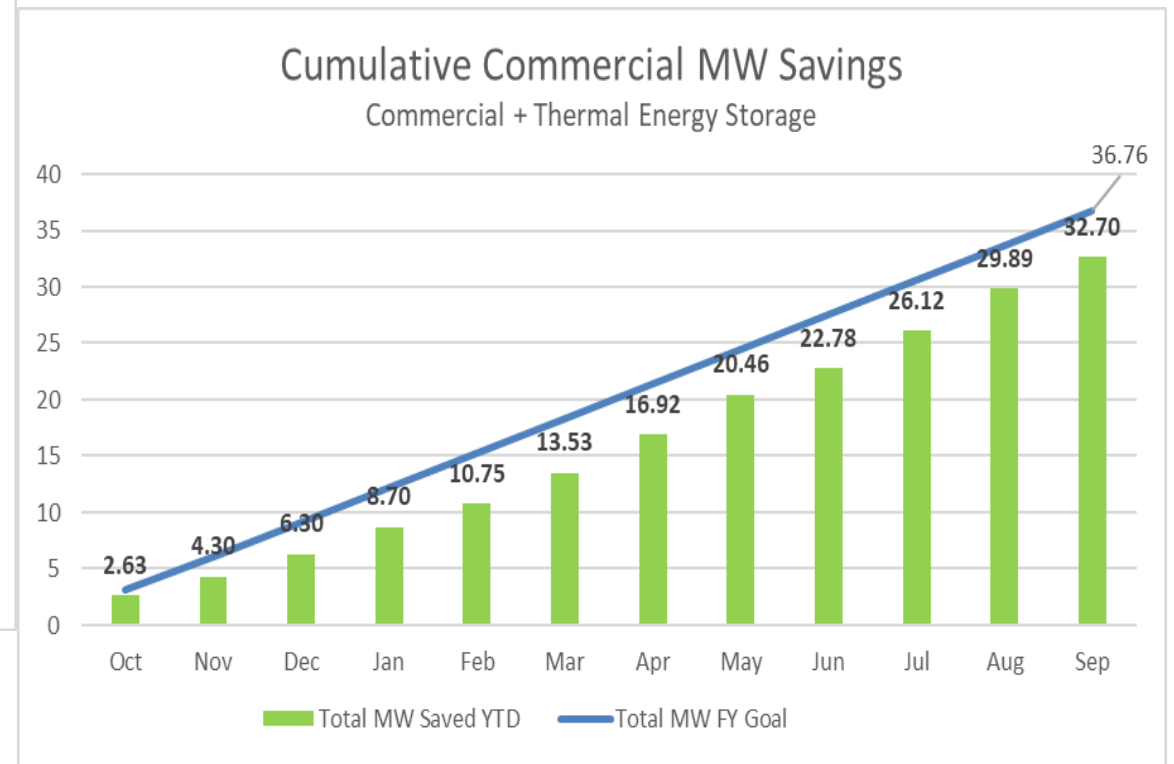
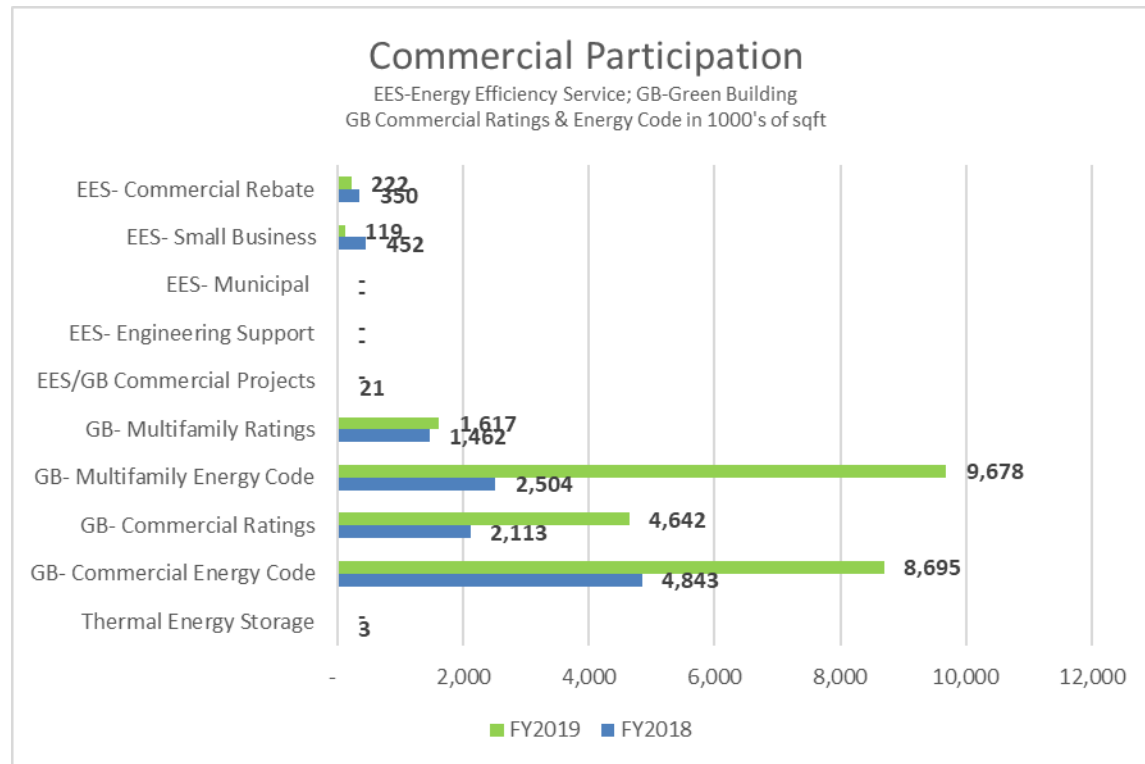
Overall Participation & MW Savings FY19 September



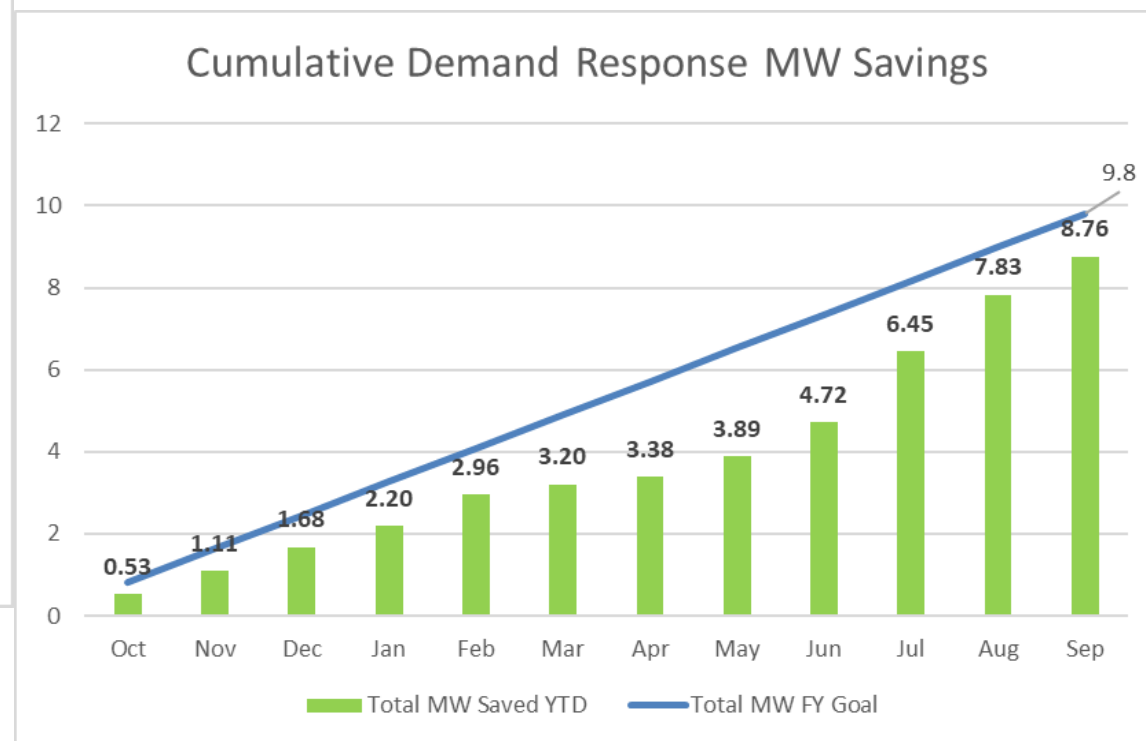
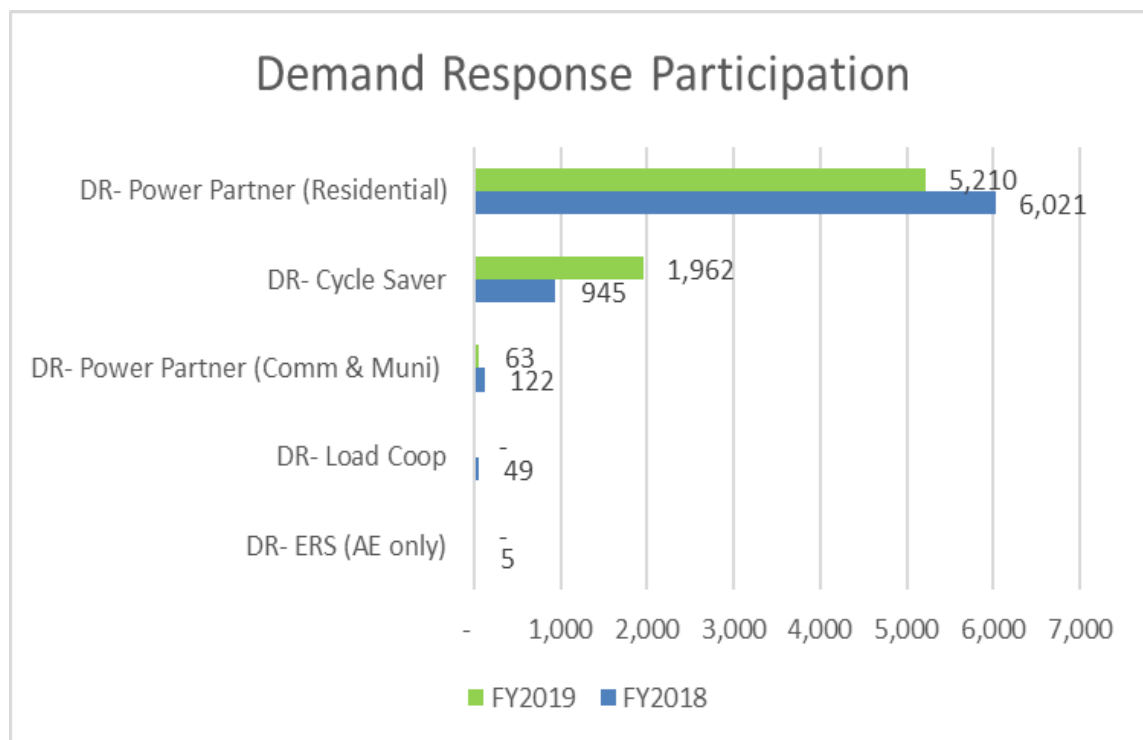
Residential Participation & MW Savings FY19 September



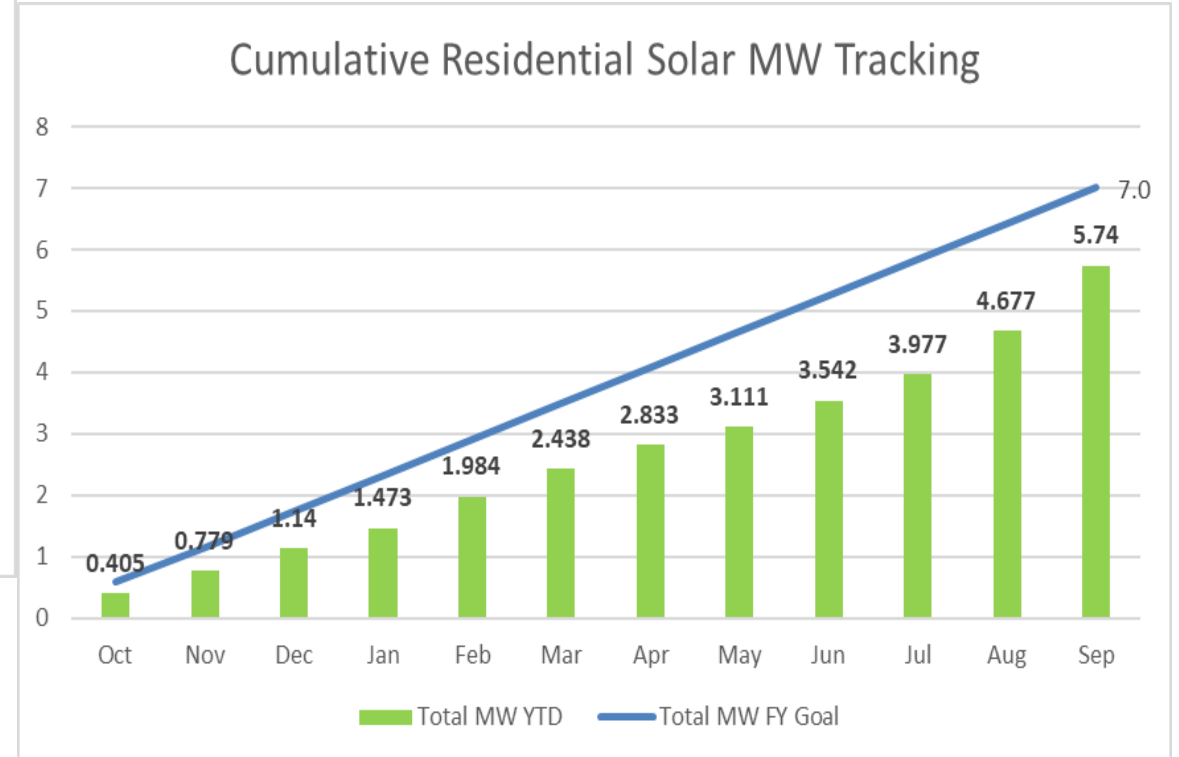
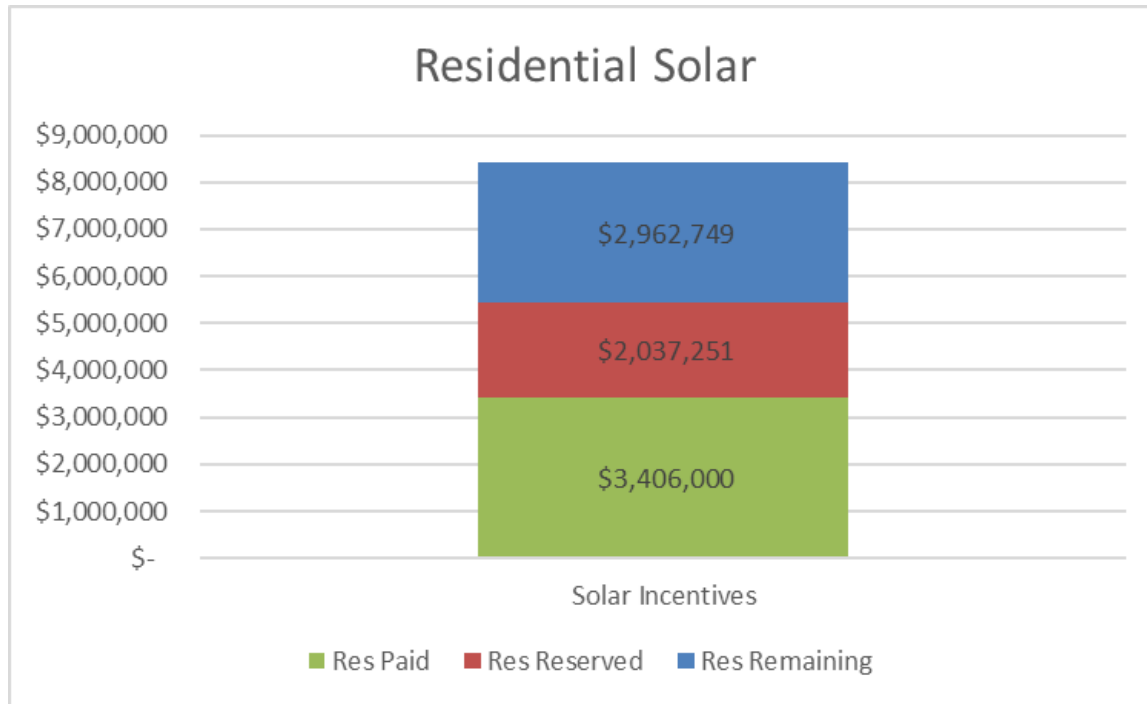
Commercial Participation & MW Savings FY19 September



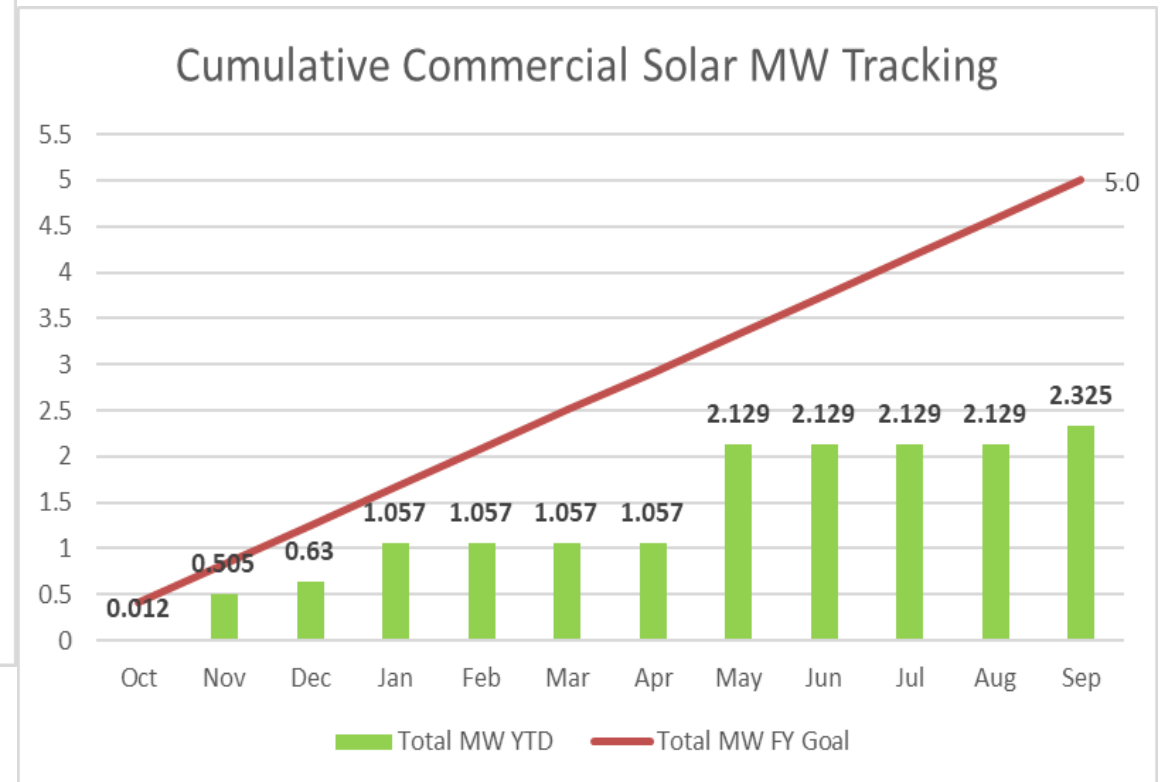
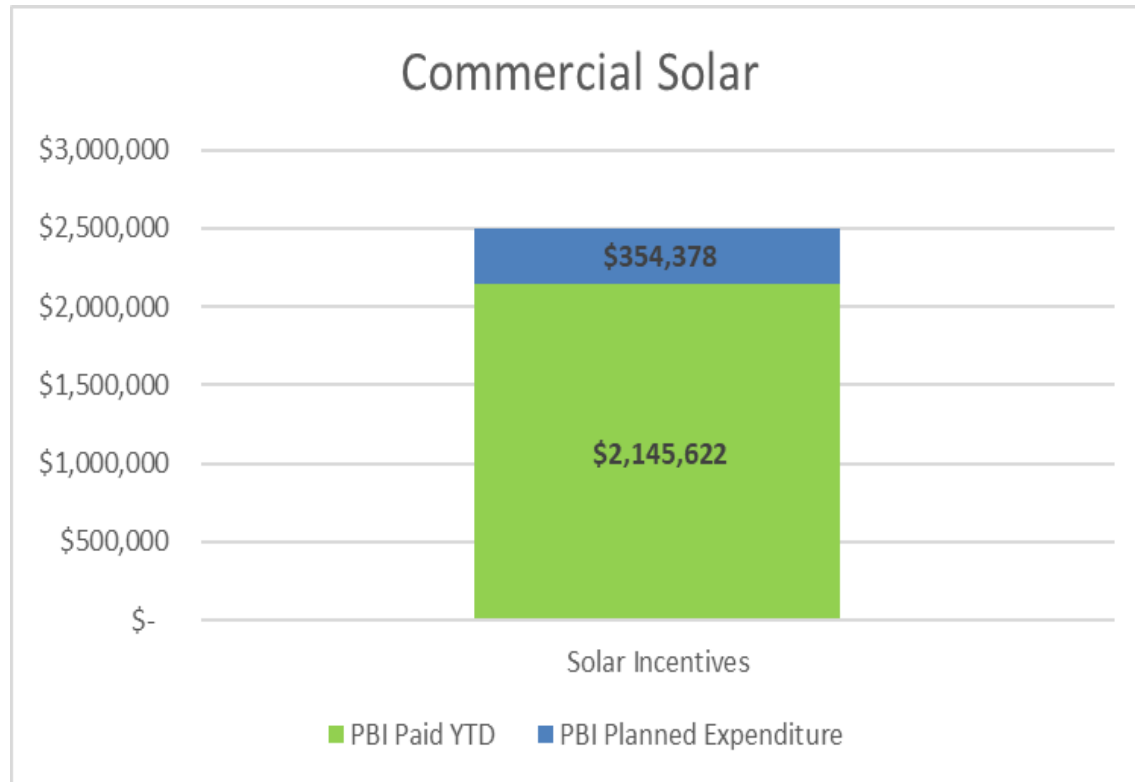
Demand Response Participation & MW Savings FY19 September



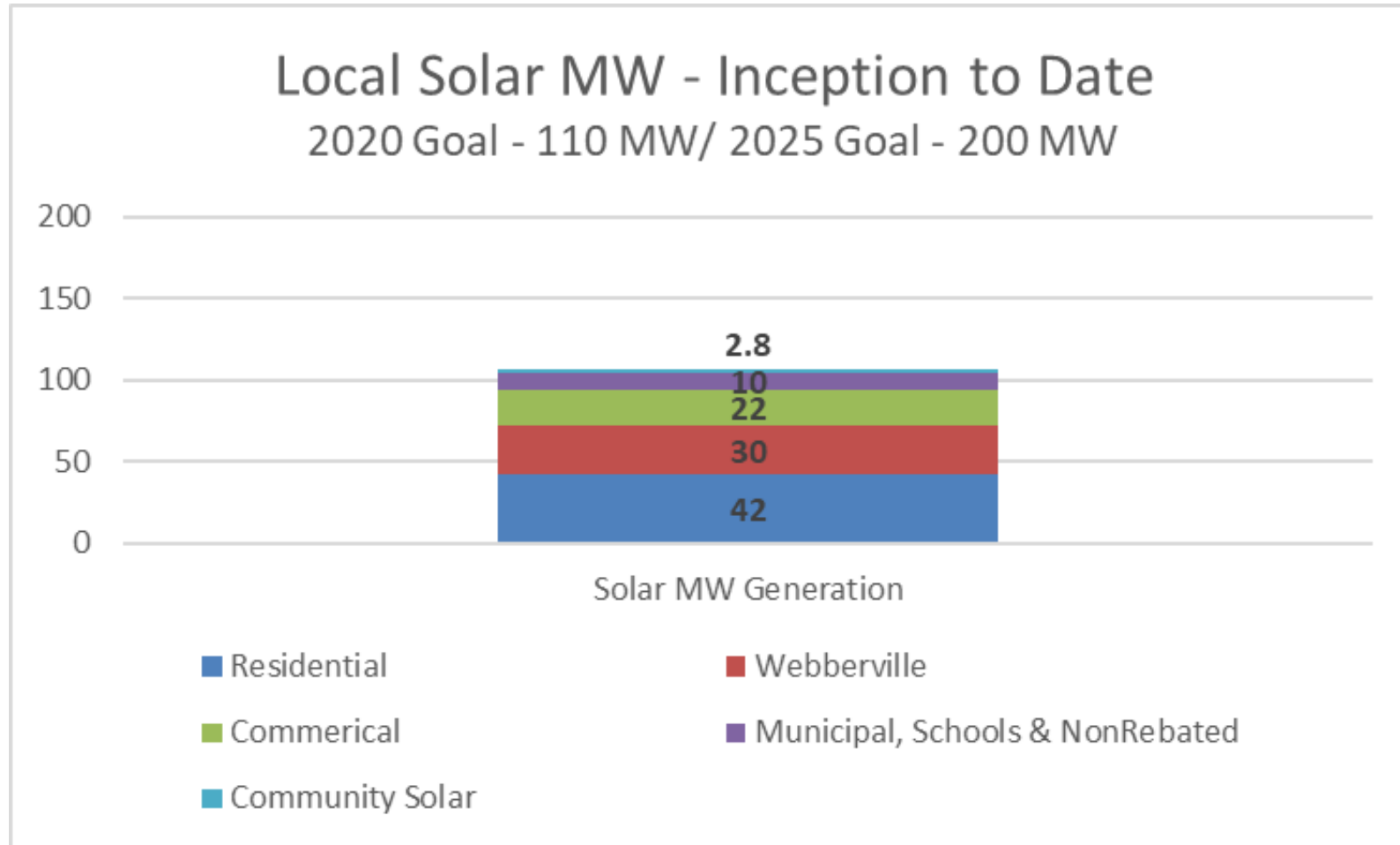
Residential Solar Incentives & MW Tracking FY19 September



Commercial Solar Incentives & MW Tracking FY19 September

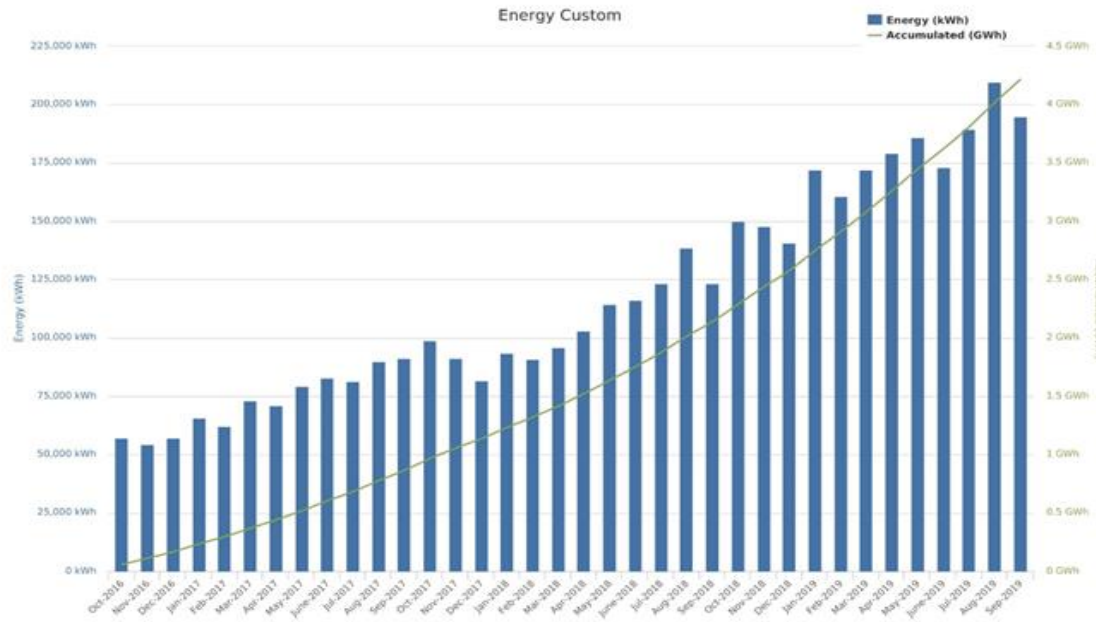


Local Solar MW Inception to Date thru FY19 September



Electric Vehicles Charging & Adoption

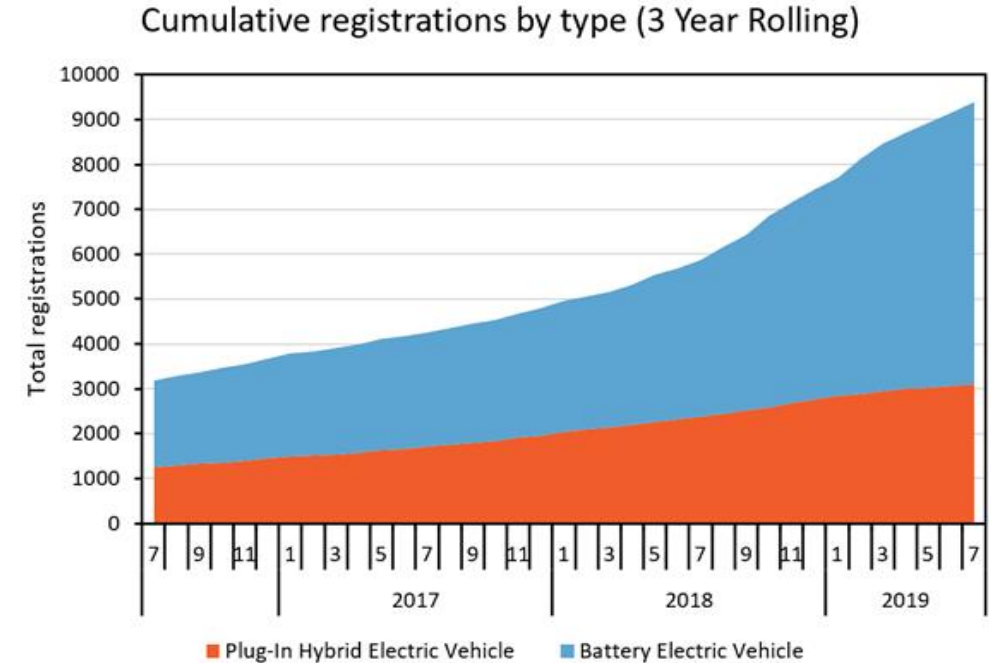
Plug-In EVerywhere kWh Charging
(Monthly, 3 Year Rolling)



Public Charging: 5.43 GWh consumed through
618,045 charging sessions since 2012.



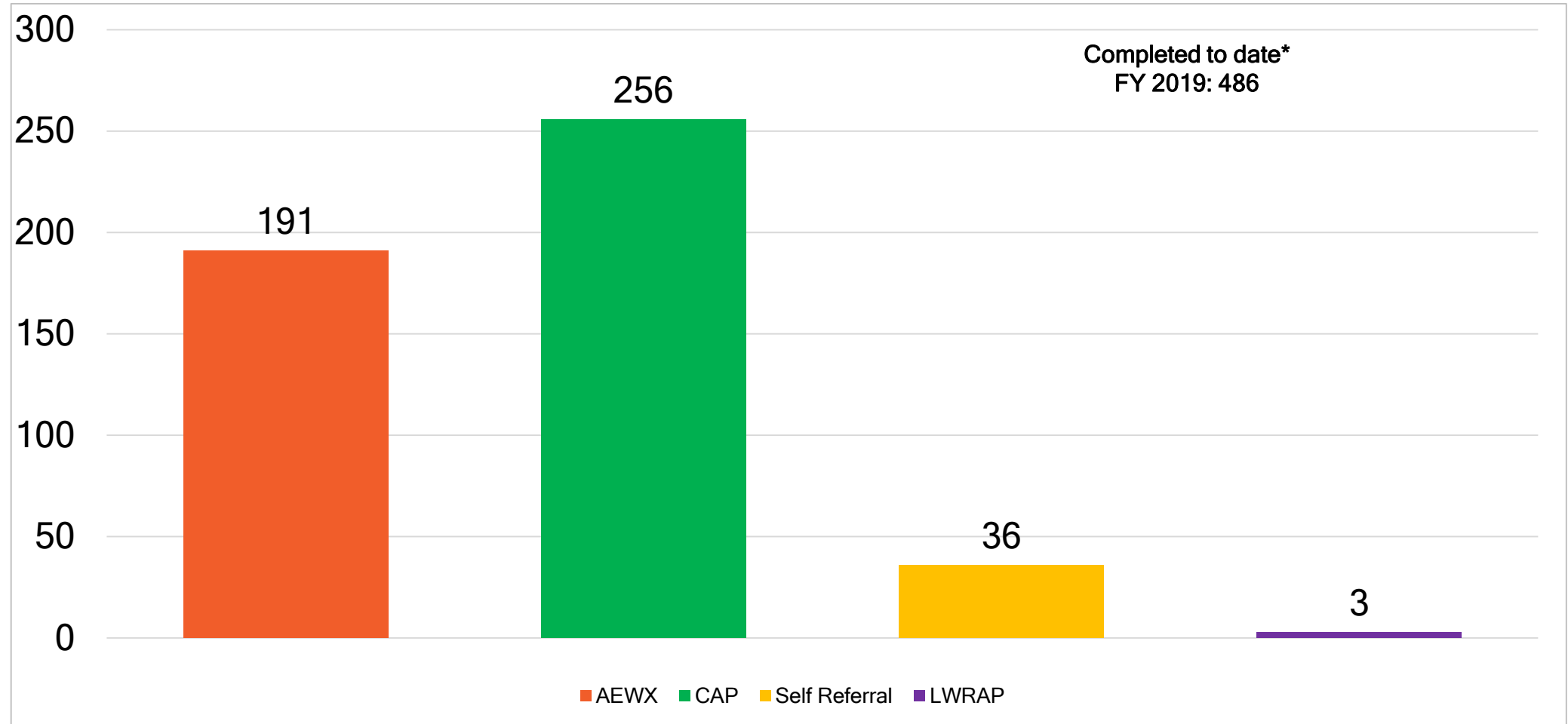
Austin Area EV Consumer Adoption
(Monthly, 3 Year Rolling)



9401 EVs consume approx. 27.45 GWh/year.

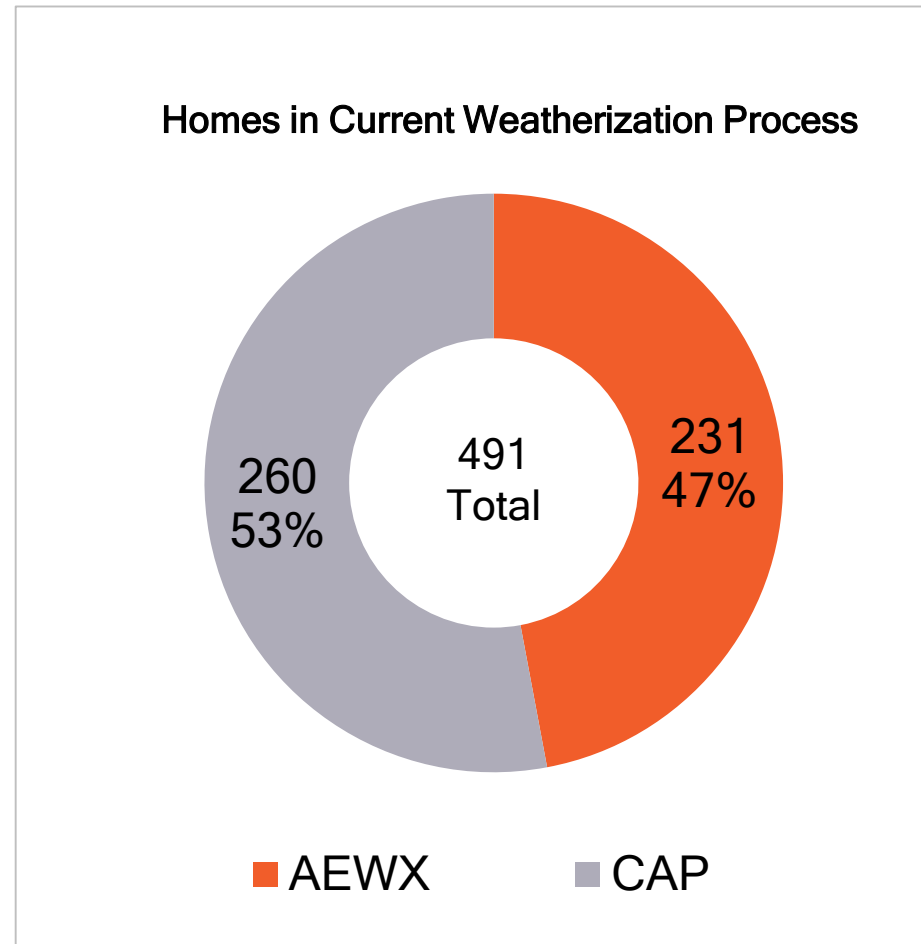
**Data provided from EPRI for Travis and Williamson County.*

Weatherization FY2019 September



*FY 2019 completed numbers ***are not yet final***. Invoices are still being processed.

Weatherization FY2019 September





**Customer Driven.
Community Focused.SM**



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CES RMC SAVINGS REPORT

FY19 Report
As of 09/30/2019

| Residential | MW Goal | MW To Date | Percentage | Participant Type | Participants To Date | MWh To Date | Rebate Budget | Spent to Date |
|--|--------------|--------------|------------|------------------|----------------------|------------------|---------------------|---------------------|
| EES- Appliance Efficiency Program | 2.60 | 2.85 | 110% | Customers | 3,864 | 5,301.19 | \$ 1,500,000 | \$ 1,353,225 |
| EES- Home Performance ES - Rebate | 1.30 | 1.09 | 83% | Customers | 803 | 1,384.37 | \$ 1,650,000 | \$ 1,743,663 |
| EES- AE Weatherization & CAP Weatherization - D.I. | 0.71 | 0.48 | 67% | Customers | 486 | 714.75 | \$ 2,277,000 | \$ 2,223,610 |
| EES-Direct Install -Other | 0.01 | 0.01 | 137% | Houses | 2,639 | 134.29 | \$ 100,000 | \$ 100,000 |
| EES-School Based Education | 0.01 | | | Participants | | | \$ 200,000 | \$ 199,681 |
| EES- Strategic Partnership Between Utilities and Retailers++ | 1.58 | 1.68 | 106% | Products Sold | 172,591 | 8,896.32 | \$ 875,000 | \$ 891,770 |
| EES- Multifamily Rebates | 1.50 | 0.33 | 22% | Apt Units | 1,194 | 846.93 | \$ 525,000 | \$ 106,750 |
| EES- Multifamily WX-D.I.+ | 1.50 | 0.94 | 62% | Apt Units | 1,969 | 1,876.40 | \$ 675,000 | \$ 610,314 |
| GB- Residential Ratings | 0.52 | 0.66 | 128% | Customers | 785 | 1,056.62 | \$ - | \$ - |
| GB- Residential Energy Code | 13.50 | 13.50 | 100% | Customers | 4,267 | 16,656.15 | \$ - | \$ - |
| Residential TOTAL | 23.23 | 21.53 | 93% | | 13,388 | 36,867.01 | \$ 7,802,000 | \$ 7,229,013 |

| Commercial | MW Goal | MW To Date | Percentage | Participant Type | Participants To Date | MWh To Date | Rebate Budget | Spent to Date |
|-----------------------------|--------------|--------------|------------|------------------|----------------------|------------------|---------------------|---------------------|
| EES- Commercial Rebate | 9.30 | 8.40 | 90% | Customers | 222 | 25,169.40 | \$ 3,100,000 | \$ 2,261,037 |
| EES- Small Business | 3.50 | 1.93 | 55% | Customers | 119 | 5,418.32 | \$ 1,900,000 | \$ 780,102 |
| EES- Municipal | | | | Customers | | | \$ 60,000 | \$ 17,000 |
| EES/GB Commercial Projects | 1.10 | | | Customers | | | \$ - | \$ - |
| GB- Multifamily Ratings | 0.52 | 0.47 | 92% | Dwellings | 1,617 | 1,322.73 | \$ - | \$ - |
| GB- Multifamily Energy Code | 4.71 | 4.71 | 100% | Dwellings | 9,678 | 5,411.73 | \$ - | \$ - |
| GB- Commercial Ratings | 3.05 | 2.67 | 88% | 1,000 sf | 4,642 | 6,565.26 | \$ - | \$ - |
| GB- Commercial Energy Code | 14.58 | 14.51 | 100% | 1,000 sf | 8,695 | 38,307.33 | \$ - | \$ - |
| Commercial TOTAL | 36.76 | 32.70 | 89% | | 11,636 | 82,194.78 | \$ 5,060,000 | \$ 3,058,139 |

| Demand Response (DR) - Annual Incremental | MW Goal | MW To Date | Percentage | Participant Type | Participants To Date | MWh To Date | Rebate Budget | Spent to Date |
|---|-------------|-------------|------------|------------------|----------------------|---------------------|---------------------|---------------------|
| DR- Power Partner (Residential) | 6.10 | 7.40 | 121% | Devices | 5,210 | 1,483,008 | \$ 1,483,000 | \$ 1,270,892 |
| DR- Water Heater Timers++ | 0.60 | 1.28 | 213% | Devices | 1,962 | 494,816 | \$ 494,800 | \$ 601,600 |
| DR- Power Partner (Comm & Muni) | 0.30 | 0.09 | 30% | Devices | 63 | 90,400 | \$ 90,400 | \$ 90,400 |
| DR- Load Coop | 2.60 | | | Customers | | 1,270,000 | \$ 1,270,000 | \$ 1,272,146 |
| DR- ERS (AE only) | 0.20 | | | Customers | | | \$ - | \$ - |
| Demand Response (DR) TOTAL | 9.80 | 8.76 | 89% | | 7,235 | 3,338,223.98 | \$ 3,338,200 | \$ 3,235,038 |

| Thermal Energy Storage | MW Goal | MW To Date | Percentage | Participant Type | Projects To Date | MWh To Date | Rebate Budget | Spent To Date |
|-------------------------------------|---------|------------|------------|------------------|------------------|-------------|------------------|---------------|
| Domain Loop | | | | Projects | | | \$ 28,000 | \$ - |
| Central Loop | | | | Projects | | | \$ - | \$ - |
| Commercial | | | | Projects | | | \$ - | \$ - |
| Thermal Energy Storage TOTAL | | | | | | | \$ 28,000 | \$ - |

| CES | MW Goal | MW To Date | Percentage | Participant Type | Participants To Date | MWh To Date | Rebate Budget | Spent to Date |
|--------------------|--------------|--------------|------------|------------------|----------------------|---------------------|----------------------|----------------------|
| Grand TOTAL | 69.78 | 63.00 | 90% | | 32,259 | 3,457,285.77 | \$ 16,228,200 | \$ 13,522,190 |

Data is unaudited and rounded to 2 decimal points.
Program data is provided by individual Programs.
Budget data source is eCOMBS.



CES RMC SAVINGS REPORT

FY19 Report
As of 09/30/2019

| Solar Energy | MW Goal | MW To Date | Percentage | Participant Type | Participants To Date | MWh To Date | Incentive Budget† | Spent to Date |
|---------------------------|--------------|-------------|------------|------------------|----------------------|------------------|---------------------|---------------------|
| Residential | 7.00 | 5.74 | 82% | Customers | 820 | 16297.54 | \$ 5,000,000 | \$ 2,869,805 |
| Commercial | 5.00 | 2.33 | 47% | Customers | 23 | 3842.51 | \$ 2,500,000 | \$ 2,145,622 |
| Solar Energy TOTAL | 12.00 | 8.07 | 67% | | 843 | 20,140.05 | \$ 7,500,000 | \$ 5,015,428 |

| Low Income | UPDATE |
|----------------------------|--|
| Energy Efficiency Programs | WAP: <ul style="list-style-type: none"> • 136 homes completed in the month of September. • Invoices are still being processed for FY19, completed numbers are not yet final for FY19. |
| Solar | Provided \$151,110 in incentives to support a 151 kW HACA project for Chalmers South multifamily affordable housing. Participated in RMI working group to develop a project targeted toward delivering access to solar benefits to underserved communities. |
| Green Building | In September, 51 of 101 Single Family homes receiving an AE Green Building rating are in SMART Housing developments in the AE service area. Two Multifamily SMART housing developments with a combined total of 87 units received 1-star ratings. |

| EES - LOAD COOP PROGRAM | No. of Applicants | Participants /Locations | Program Capacity | Maximum Event Performance |
|---|-------------------|-------------------------|------------------|---------------------------|
| No. of Events | | | MW | MW |
| 13 | 55 | 461 | 44.00 | |
| ² Applicants and locations modified as a result of non performance and failure to activate contracts by end of fiscal year. | | | | |
| ³ Program Capacity is the sum of all participants' best 2018 Load Coop performance or expected maximum drop based on audit information. Includes T&D&SR. | | | | |
| ⁴ Best performance for any one event including 20% T&D&SR multiplier. | | | | |

| DR Capacity Program | Devices/ Participants | Program Capacity (MW) |
|-------------------------------------|-----------------------|-----------------------|
| Cycle Saver | 20,000 | 13* |
| Free Thermostat | 17,000 | 16.56** |
| Power Partner Thermostat | 30,737 | 43.65 |
| Emergency Response System (AE only) | 2 | 0.20 |
| | | |
| EES Behavioral Programs | Units | Count |
| PSV Newsletter & Outreach | Participants | 10,521 |
| Residential App | Participants | 31,278 |
| Commercial App | Participants | 2,313 |

*Currently maintaining existing population of Cycle Saver water heater timers through replacement of units at 10 years.
 **Numbers based on M&V study summer of 2018.

| Electric Vehicle Programs | Rebates | Spent To Date |
|-------------------------------|---------|---------------|
| Commercial Charging Stations | 25 | \$ 202,360 |
| Residential Charging Stations | 379 | \$ 203,627 |
| E-Ride | 231 | \$ 74,200 |

| Loan Program | Customers | Budget | Spent to Date |
|--------------------------------|-----------|------------|---------------|
| EES- Home Performance ES-Loan* | 72 | \$ 200,000 | \$ - |

*The rebate loan program is used to provide Velocity loans with a reduced interest rate for customers who perform energy efficiency improvements (with approved credit).

| Green Building Impacts | Units | Saved |
|------------------------------------|-----------|------------|
| Credited to Solar Energy | MW | 800,153.17 |
| Credited to Thermal Energy Storage | MW | 1,154.50 |
| Credited to Solar Energy | MWh | 403.49 |
| Natural gas | CCF | 38,844.00 |
| Building water | 1,000 gal | 36,169.50 |
| Irrigation water | 1,000 gal | 10,181.00 |
| Construction Waste diversion | Tons | 20,082.00 |

Data is unaudited and rounded to 2 decimal points.
 Program data is provided by individual Programs.
 Budget data source is eCOMBS.



CES RMC SAVINGS REPORT

FY19 Report
As of 09/30/2019

| | | |
|----------------------|--------------------------------|---------------|
| EES/GB Water Savings | Gallons/yr. at 0.45 Gallon/kWh | 1,555,778,596 |
|----------------------|--------------------------------|---------------|

Avoided power plant water consumption (evaporation only).

NOTES

Totals for all programs, including Weatherization, are not final as invoices are still being processed as the time of this report.

Updated monthly values for AE - GB Commercial Energy Code and GB Commercial Rating per e-mail from program manager on 8-26-19 and follow up e-mail on 9-3-19.

Updated monthly values for AE - EES Weatherization and CAP WX_DI per e-mail from program manager on 8-21-19.

Updated Load COOP event per e-mail from engineer Scott Jarman on 8-20-19.

Updated DR program capacity values per e-mail from Program Manager Cynthia Berry on 8-20-19.

Above expenditures may include encumbrances.

Direct Install - Other started in June of 2018, thus no YTD comparisons can be made until late 2019.

SPUR savings numbers are now audited for the previous month. Therefore, they are reported with a one month delay.

Money spent on the DR-Cycle Saver program is funded from the DR Power Partner (Residential) Rebate Budget.

Total commercial participation does not include GB commercial square foot.

Thermal Energy Storage Budget is not part of Customer Energy Solutions Budget.

*Currently maintaining existing population of Cycle Saver water heater timers through replacement of units at 10 years.

**Numbers based on M&V study summer of 2016. Free thermostats were not adjusted in FY18 for attrition.

++Budgets maintained within other programs and tracked outside of eCOMBS.

Goals and savings are calculated to included T&D line losses and spinning reserves.

The ERS MW total is based on contracted and ERCOT-tested capacity. ERS now only reports incremental MW increases.

‡ Budget for Residential Solar includes incentives only per Tim Harvey 08/13/19.

Data is unaudited and rounded to 2 decimal points.

Program data is provided by individual Programs.

Budget data source is eCOMBS.



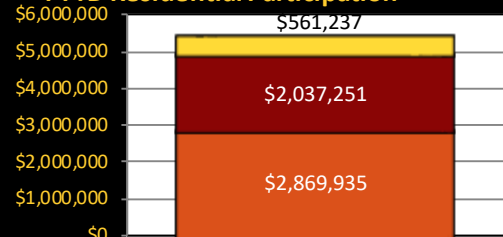
Renewable Energy Programs Report

September FY19

| <u>Green Energy Programs</u> | <u>Residential Customers</u> | | <u>CAP Customers</u> | | <u>Total</u> |
|--|------------------------------|-------------|-----------------------------|--------------------|-------------------------|
| Community Solar | 181 | | 182 | | 363 |
| | <u>Residential Customers</u> | | <u>Commercial Customers</u> | | |
| Green Choice | 17,464 | | 1,238 | | 18,702 |
| <u>Solar Incentive Programs</u> | | | | | <u>% of FY Forecast</u> |
| <u>LOI Issued #</u> | <u>Month</u> | <u>FYTD</u> | <u>ITD</u> | <u>FY Forecast</u> | |
| Residential | 216 | 1,075 | 8870 | 1200 | 90% |
| Commercial | 1 | 14 | 403 | 40 | 35% |
| <u>LOI Committed \$</u> | <u>Month</u> | <u>FYTD</u> | <u>Reserved</u> | | |
| Residential | \$752,500 | \$3,406,000 | \$2,037,251 | \$3,000,000 | 114% |
| Commercial (Estimated Annual PBI Payments) | \$27,957 | \$141,580 | \$100,385 | \$1,000,000 | 14% |
| <u>LOI Committed kW-AC</u> | <u>Month</u> | <u>FYTD</u> | <u>Reserved</u> | | |
| Residential | 1294 | 6921 | 3740 | NA | NA |
| Commercial PBI | 355 | 1732 | 1220 | NA | NA |
| <u>Projects Completed #</u> | <u>Month</u> | <u>FYTD</u> | <u>ITD</u> | | |
| Residential | 169 | 893 | 8,529 | 1200 | 74% |
| Commercial PBI | 3 | 23 | 293 | 40 | 58% |
| Commercial CBI | 0 | 0 | 101 | NA | NA |
| <u>Projects Completed \$</u> | <u>Month</u> | <u>FYTD</u> | <u>ITD</u> | | |
| Residential Rebates | \$707,359 | \$2,869,935 | \$63,330,067 | \$5,000,000 | 57% |
| Commercial PBI Paid | \$214,667 | \$2,145,622 | \$8,205,145 | \$2,500,000 | 86% |
| Commercial CBI | \$0 | \$0 | \$6,143,408 | NA | NA |
| <u>Projects Complete kW-AC</u> | <u>Month</u> | <u>FYTD</u> | <u>ITD</u> | | |
| Residential | 1,063 | 5,734 | 41,461 | 7,000 | 82% |
| Commercial PBI | 196 | 2,326 | 20,867 | 5,000 | 47% |
| Commercial CBI | 0 | 0 | 1,099 | NA | NA |
| Total kW AC | 1,259 | 8,059 | 63,427 | 12,000 | 67% |
| <u>Projects Completed kWh/yr.</u> | <u>Month</u> | <u>FYTD</u> | <u>ITD</u> | | |
| Residential | 1,757,591 | 9,517,354 | 62,734,237 | 11,830,000 | 80% |
| Commercial | 328,320 | 3,842,774 | 31,453,637 | 8,450,000 | 45% |
| Total kWh | 2,085,911 | 13,360,128 | 94,187,874 | 20,280,000 | 66% |

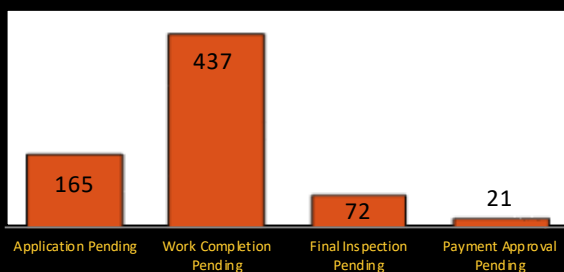
| <u>Applications Submitted That Have Not Received LOIs</u> | <u>Current</u> |
|---|----------------|
| # of Residential | 165 |
| Res Requested Rebate \$ | \$561,237 |
| Res Requested Capacity kW-ac | 1052 |
| # of Commercial | 21 |
| Com Requested Rebate \$ (Estimated Annual PBI Payments) | \$206,440 |
| Com Capacity kW-ac | 3,910 |
| <u>Monthly Modeling</u> | |
| Projected Total PBI FY18 Exposure (Modeled \$/Year) | \$2,425,228 |
| Modeled kWh Production- Res | 6,543,832 |
| Modeled kWh Production - Com | 3,293,521 |

FYTD Residential Participation



■ Residential Paid
 ■ Residential Reserved
 ■ Residential Requested

Residential - Application Status



PBI Modeled FY Expenditure

