

# Customer Energy Solutions

## *Program Update*

### Data through February 2019

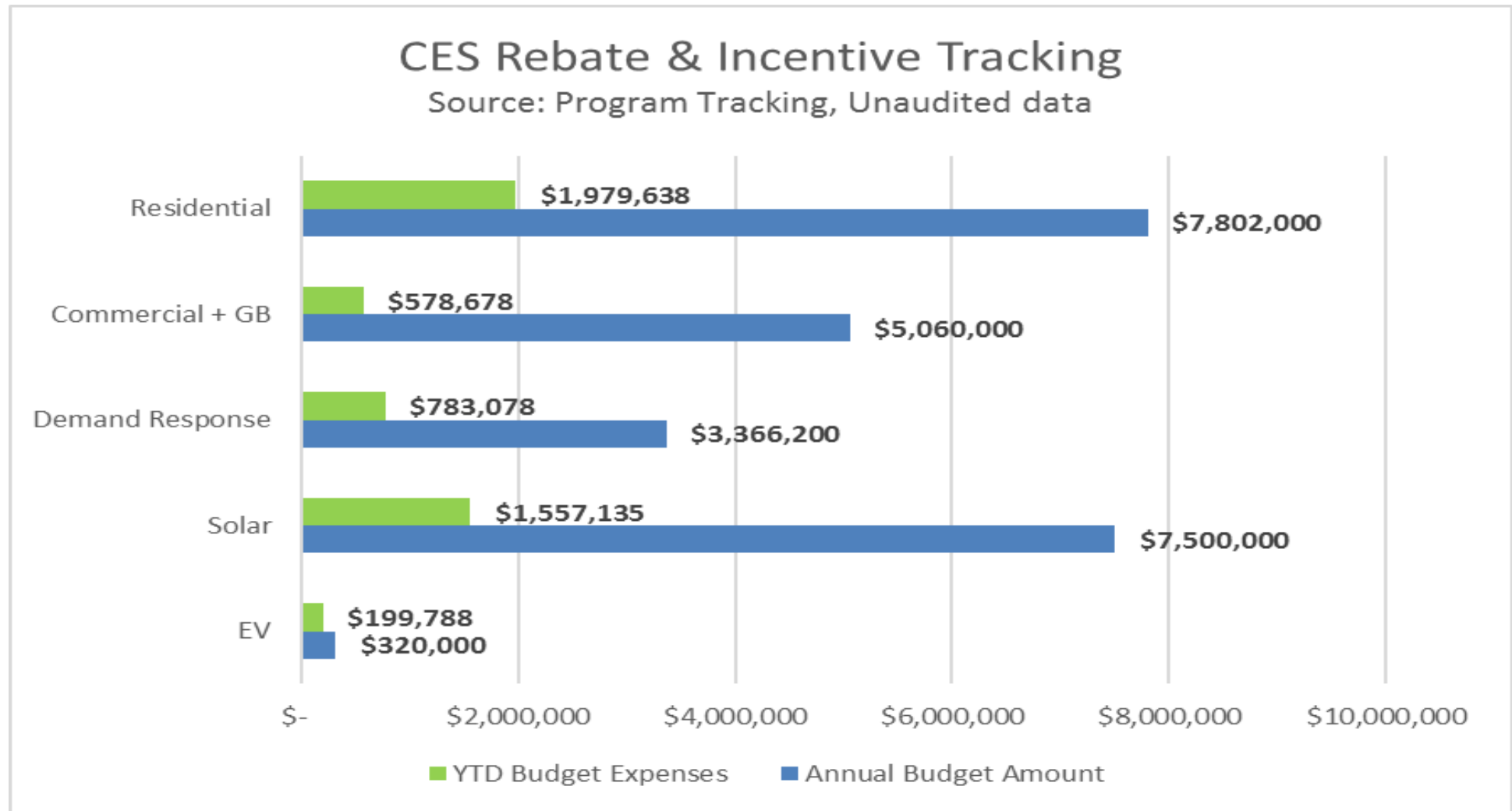
Customer Energy Solutions & Corporate Communications



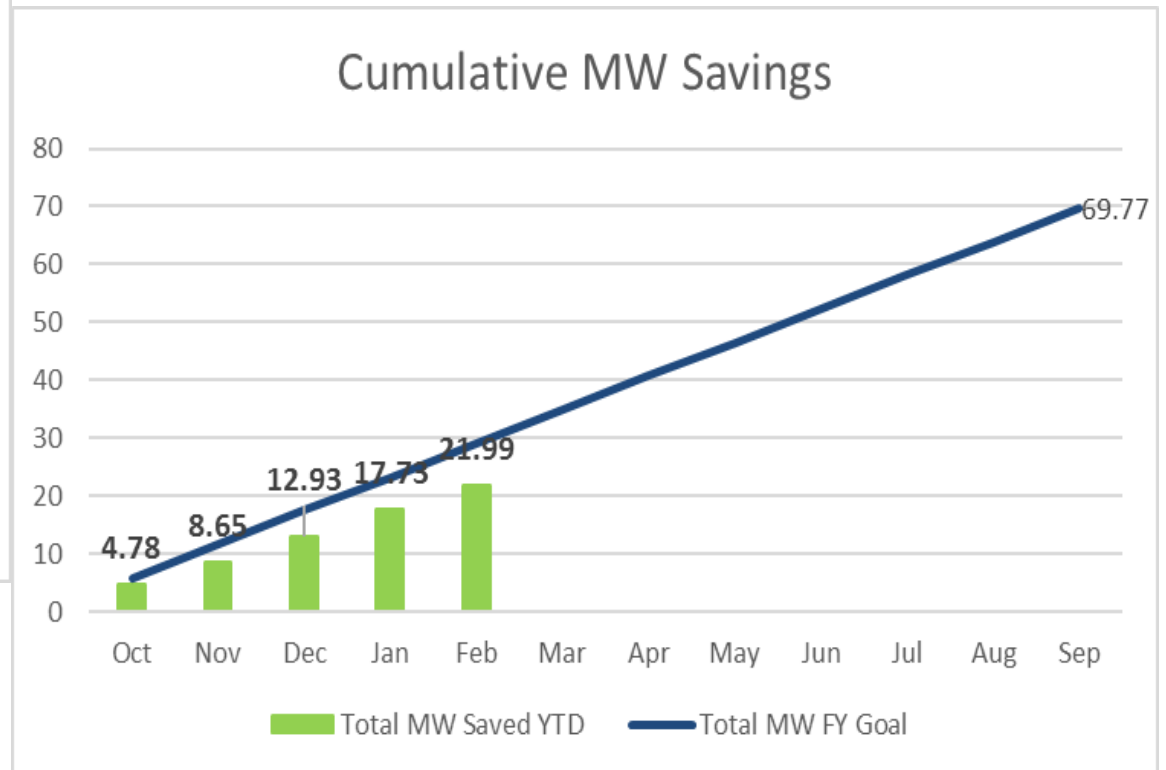
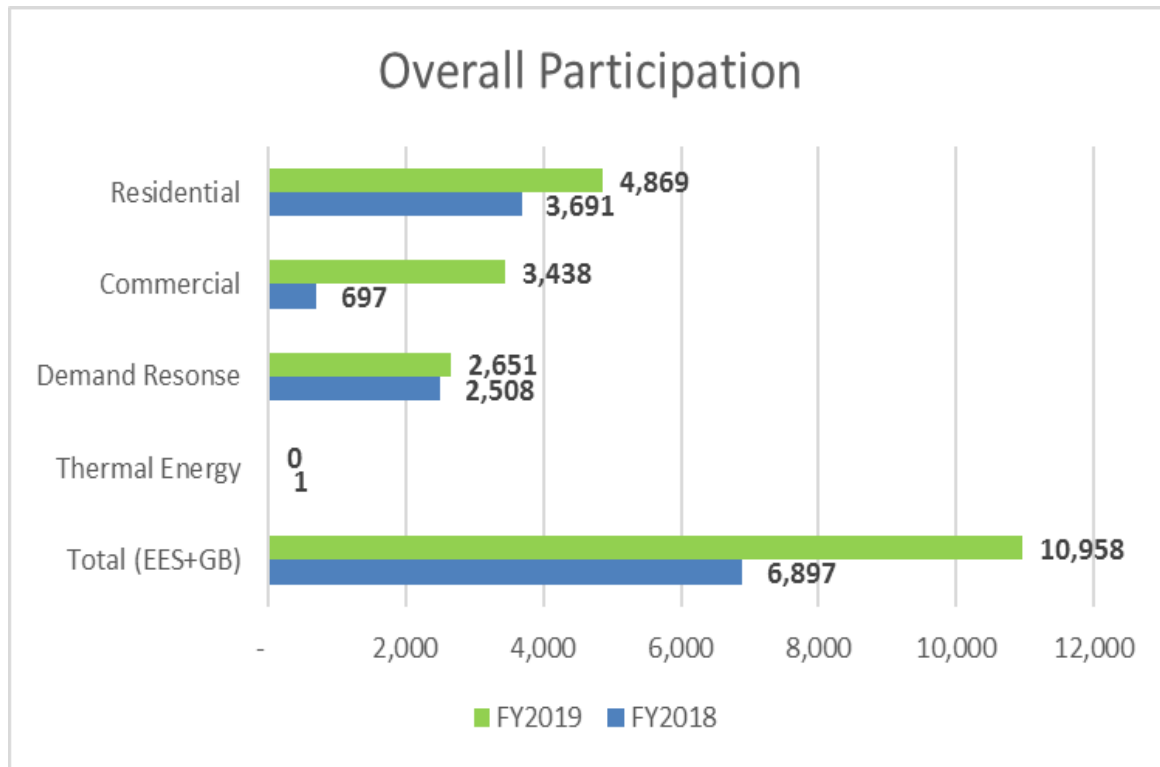
February 2019

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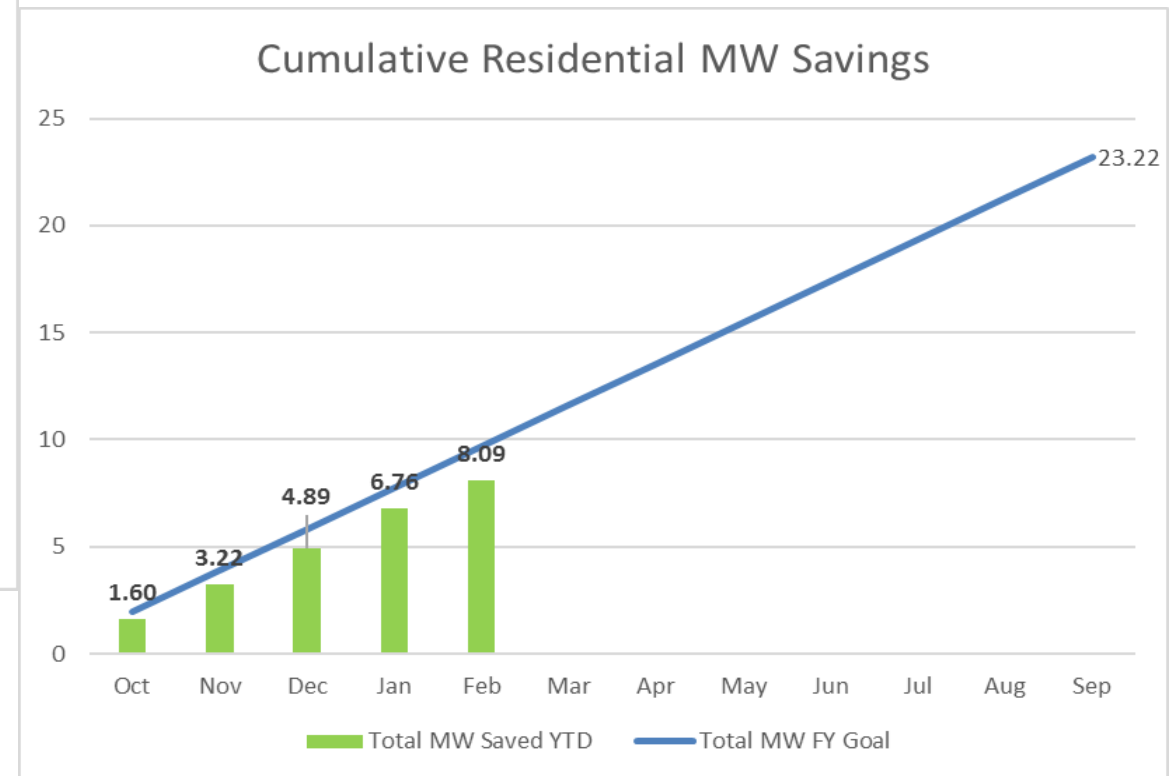
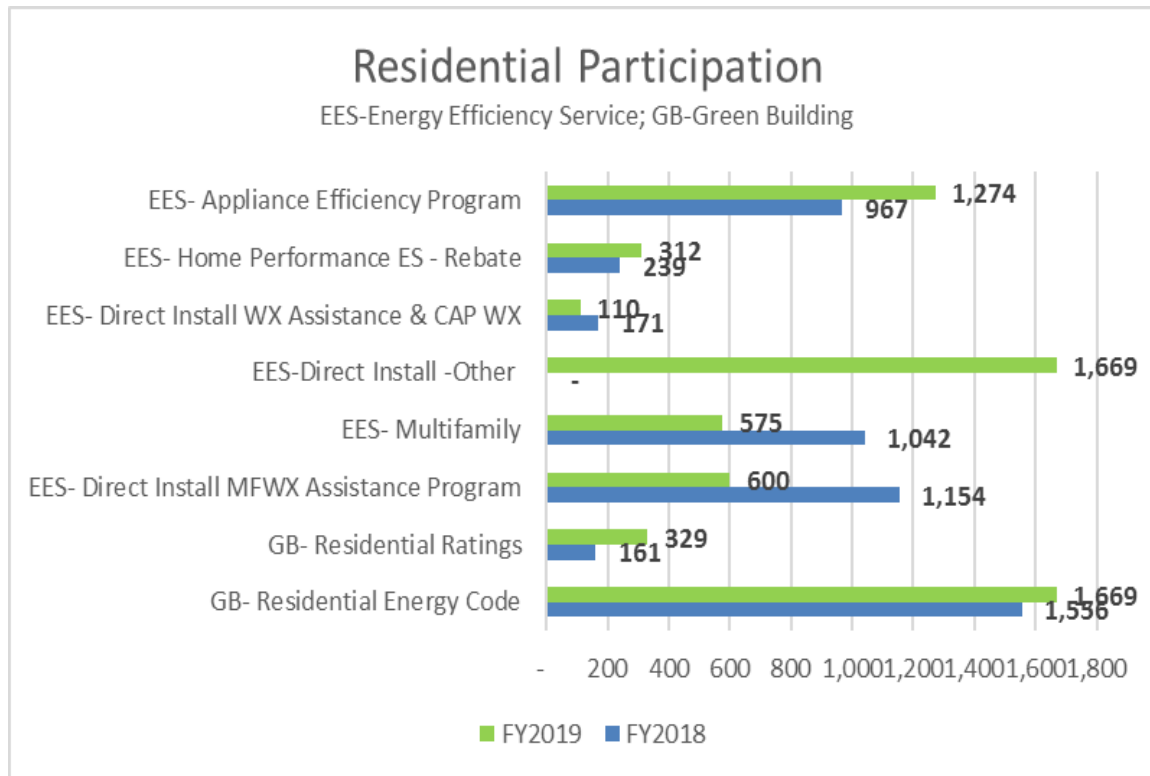
# CES Rebates & Incentives FY19 Feb



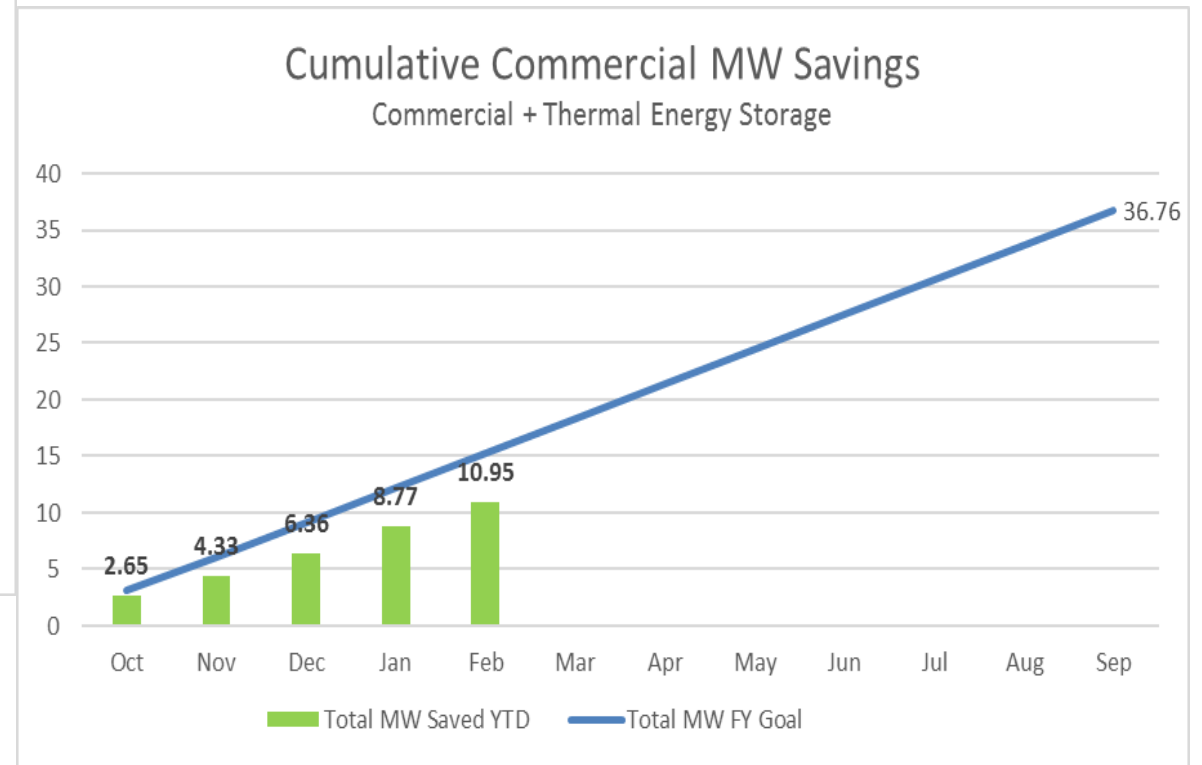
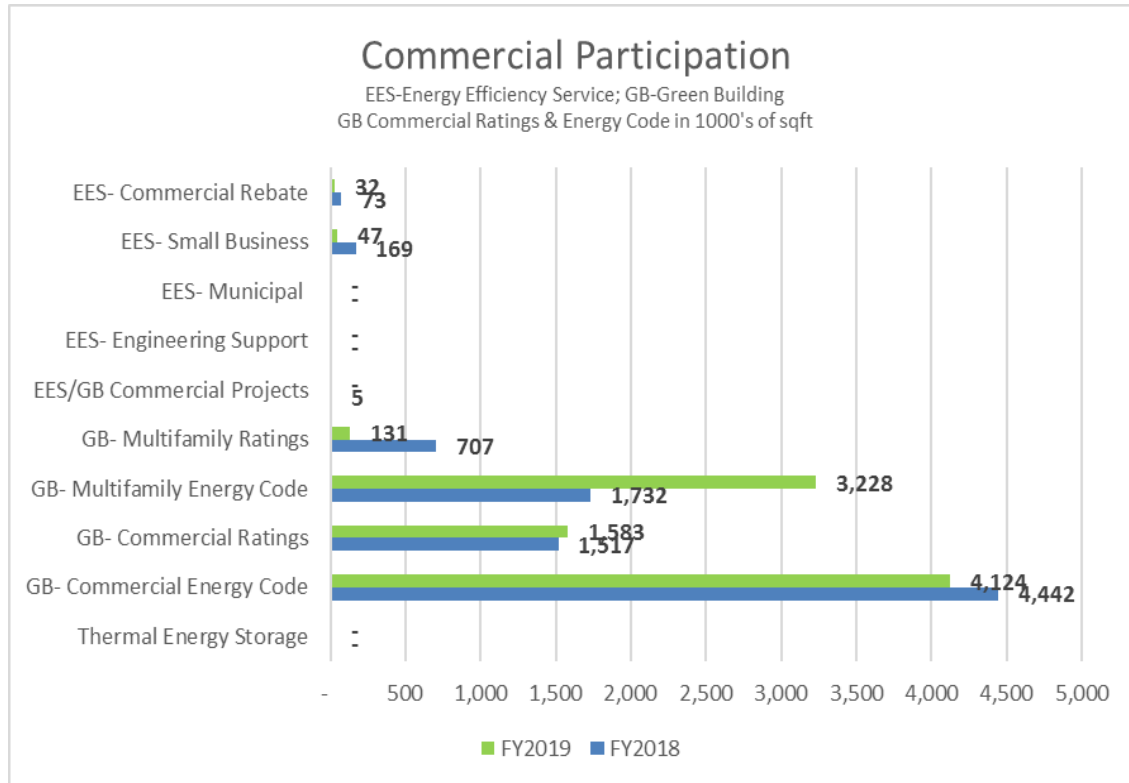
# Overall Participation & MW Savings FY19 Feb



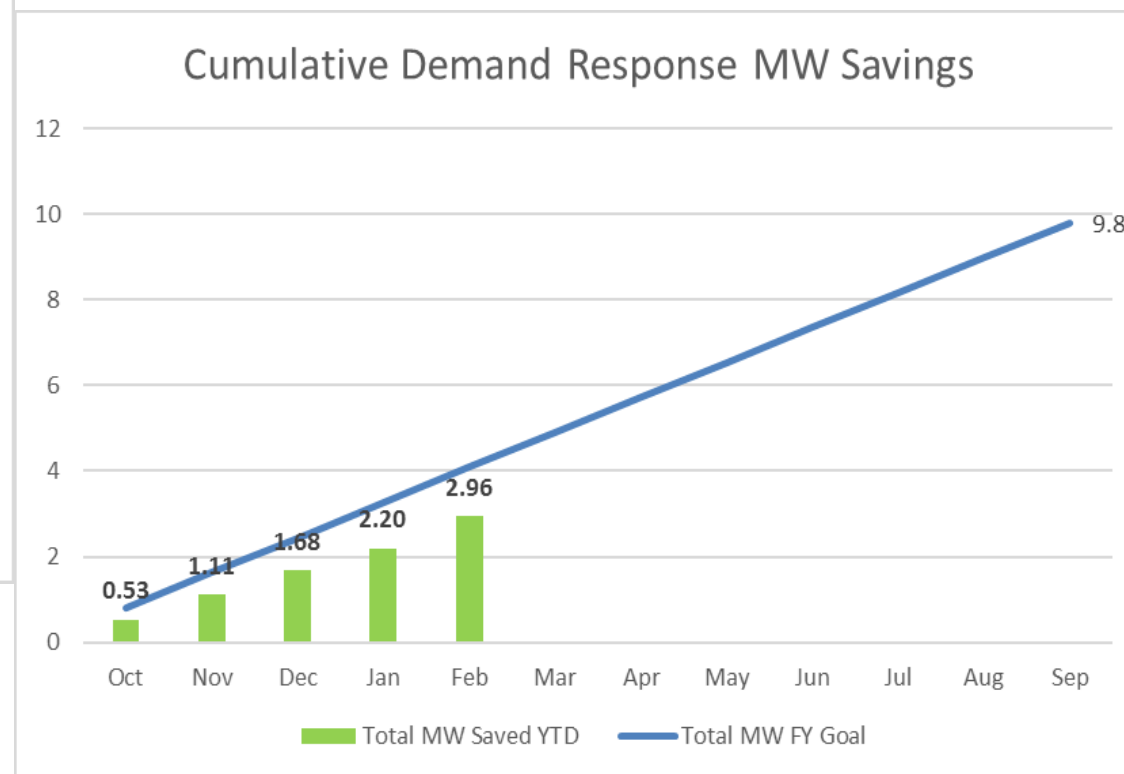
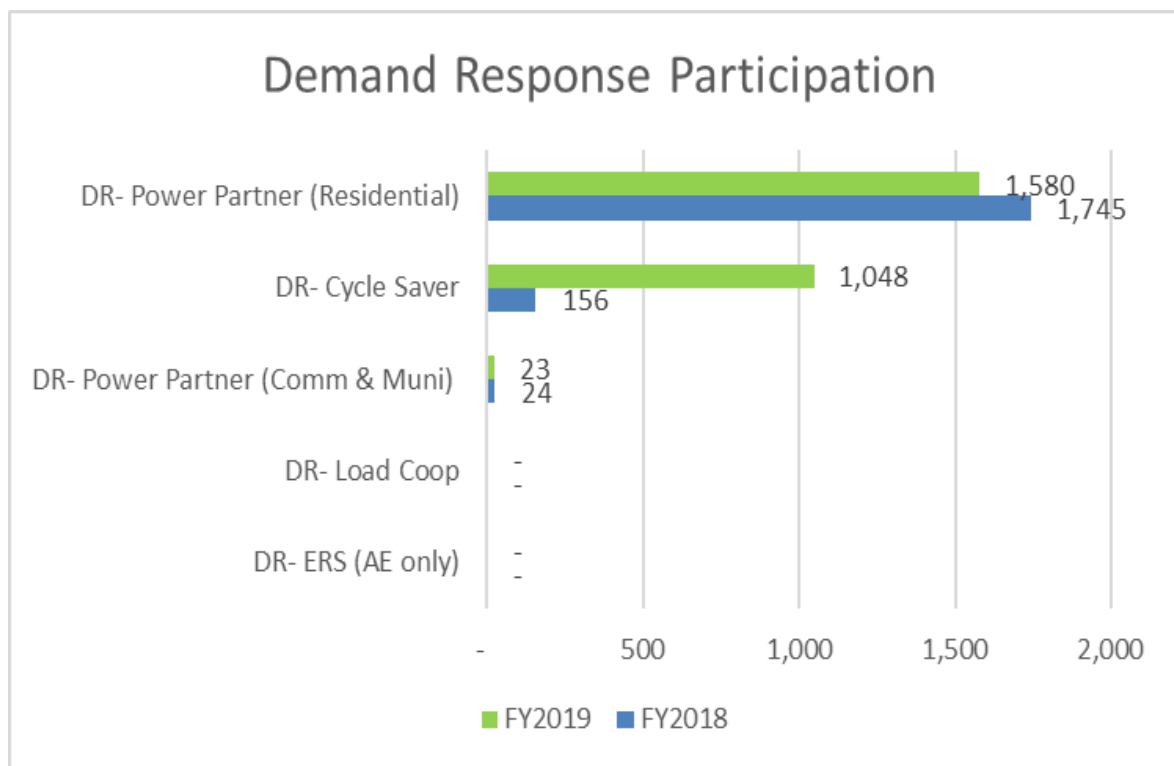
# Residential Participation & MW Savings FY19 Feb



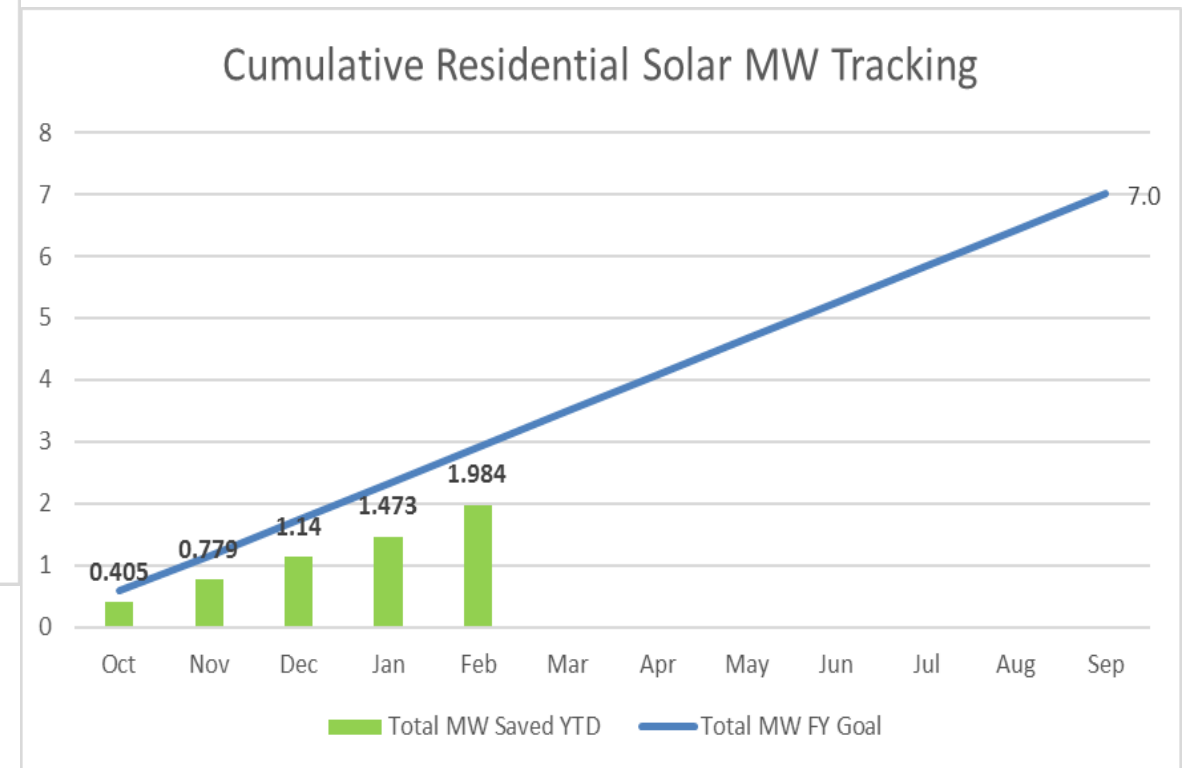
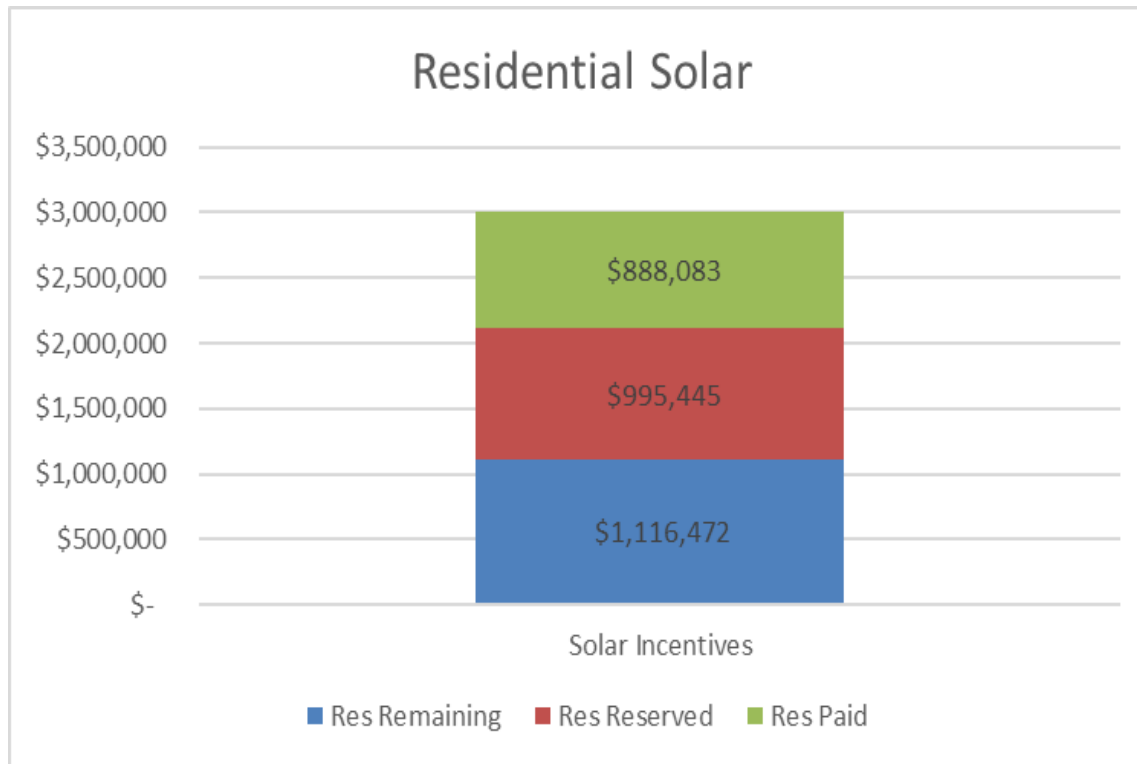
# Commercial Participation & MW Savings FY19 Feb



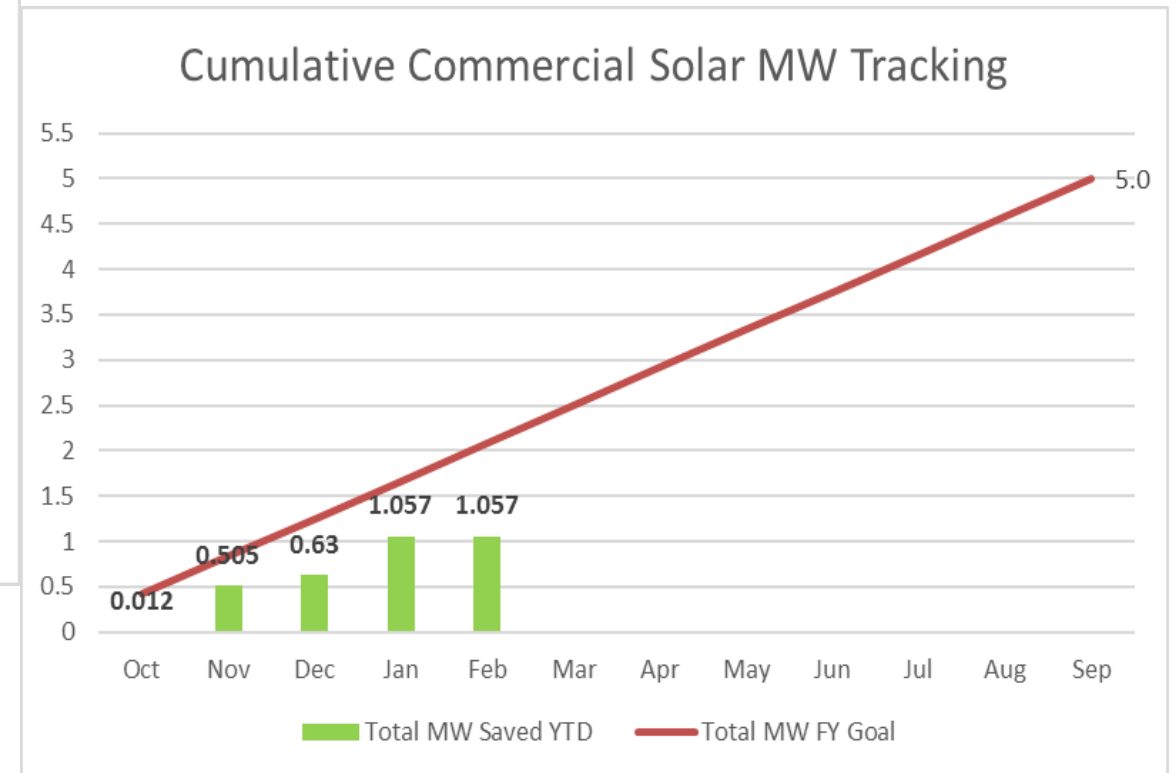
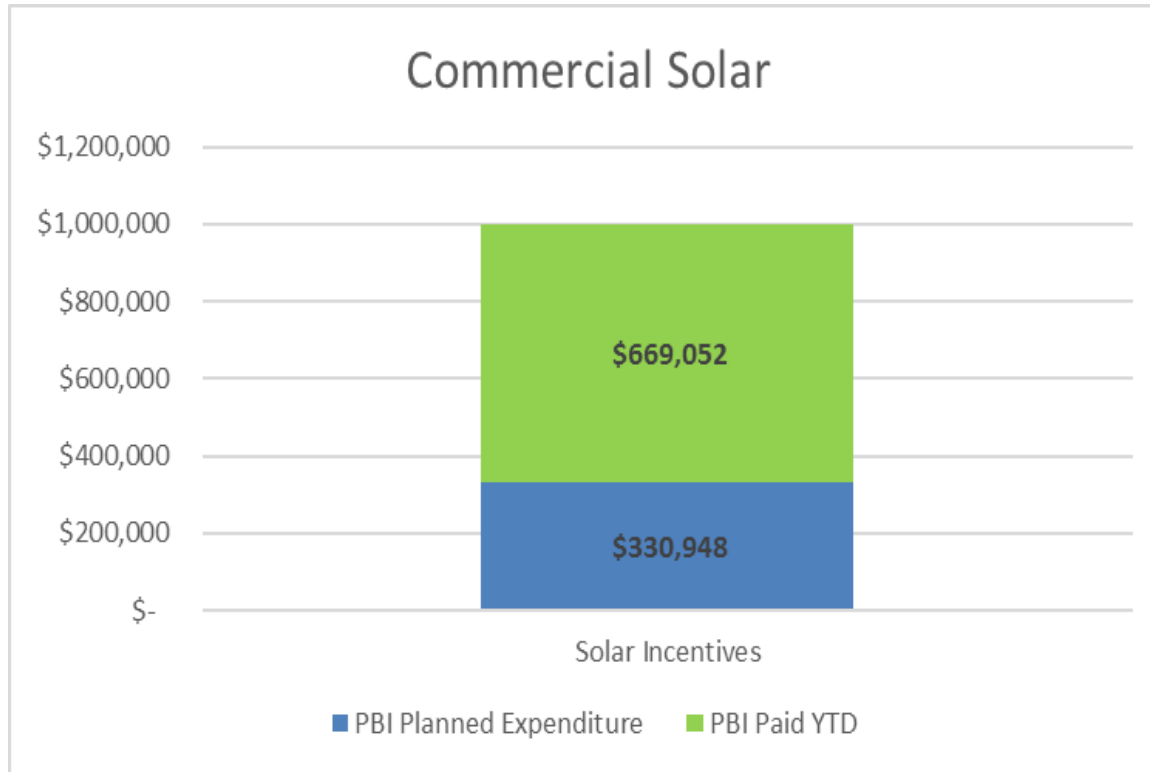
# Demand Response Participation & MW Savings FY19 Feb



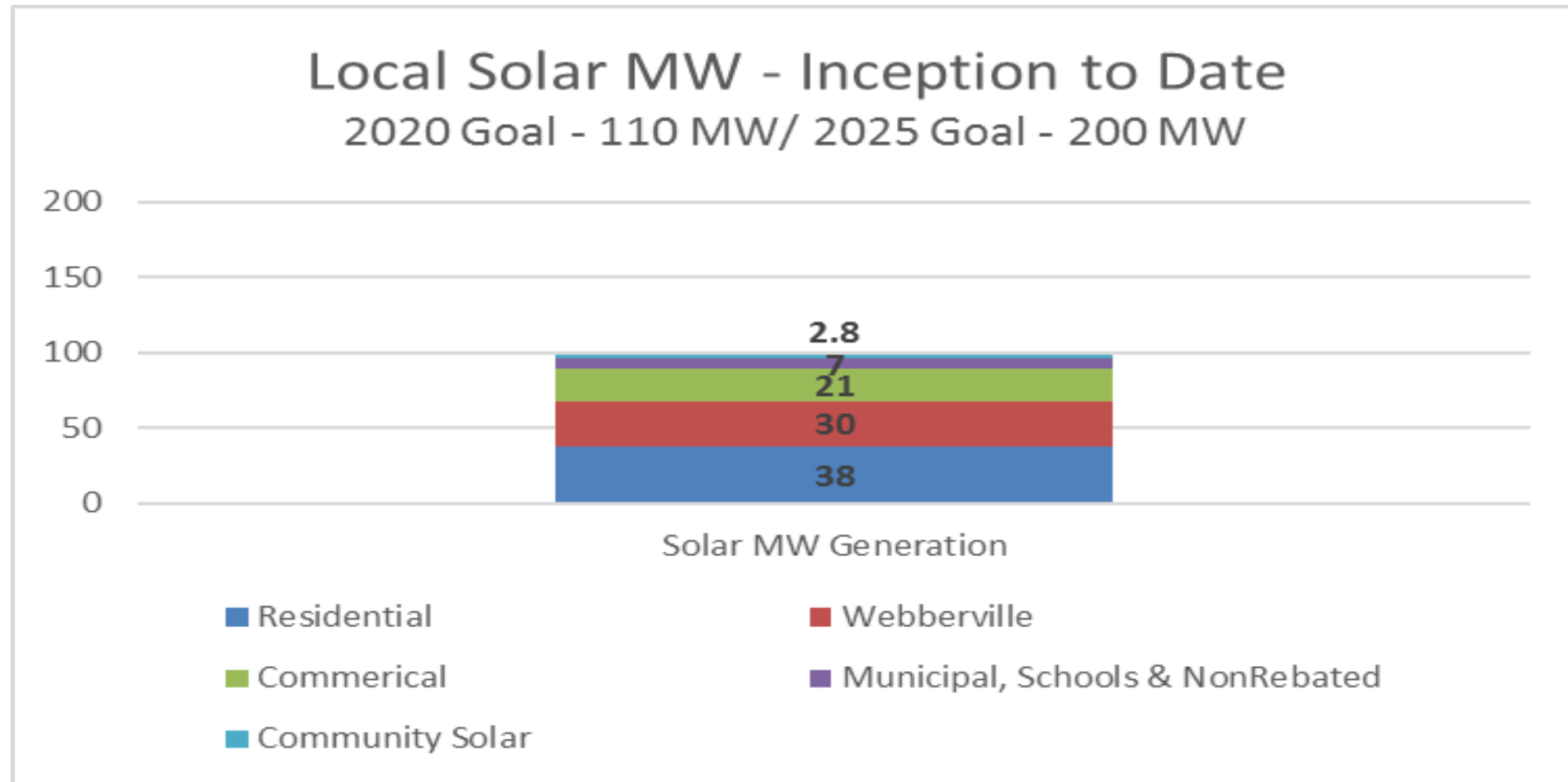
# Residential Solar Incentives & MW Tracking FY19 Feb



# Commercial Solar Incentives & MW Tracking FY19 Feb

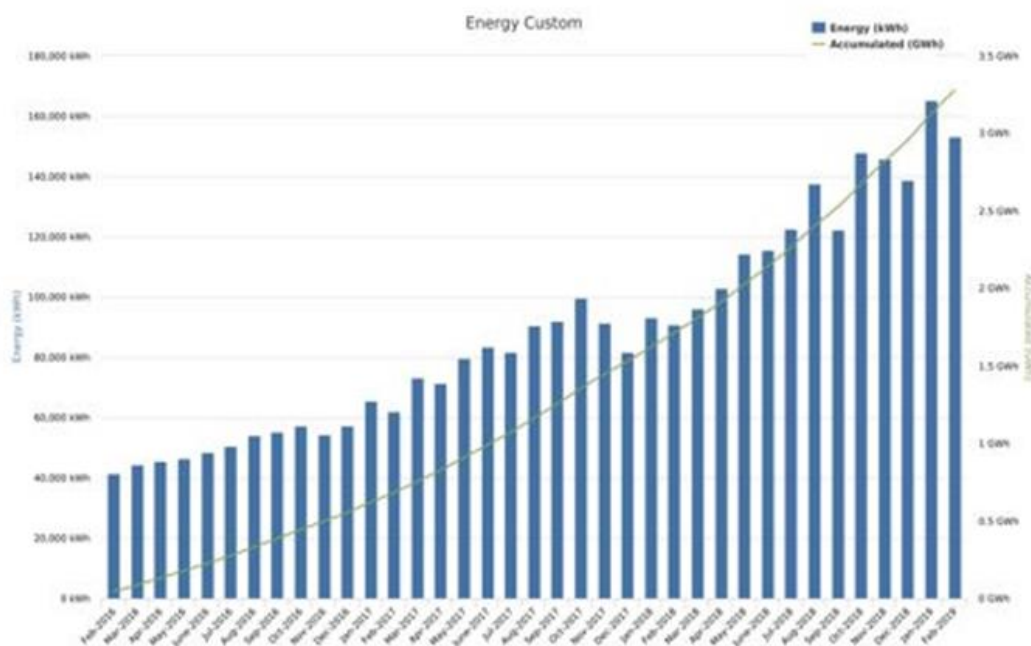


# Local Solar MW Inception to Date thru FY19 Feb



# Electric Vehicles Charging & Adoption

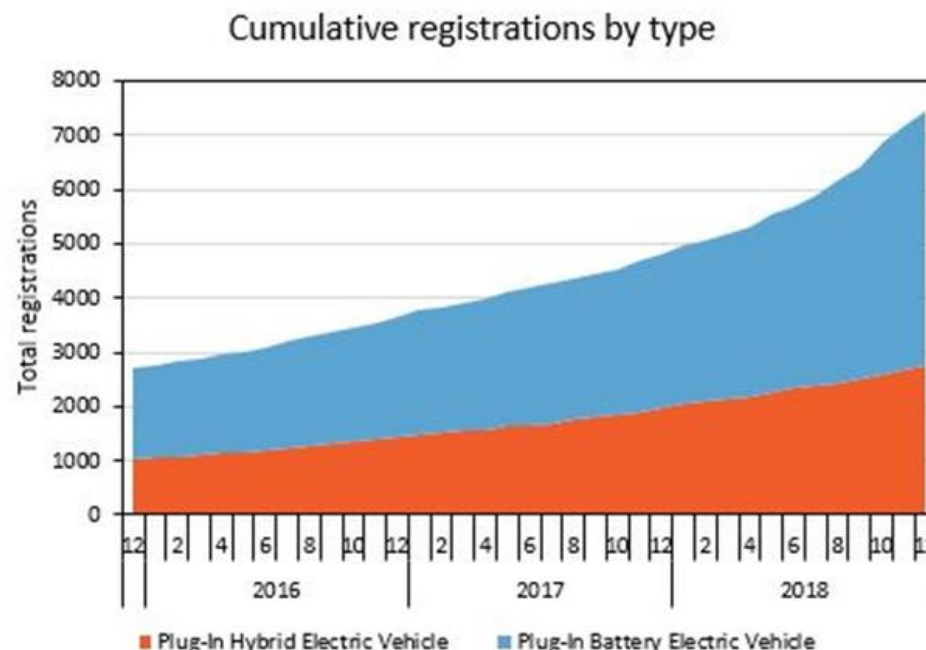
Plug-In Everywhere kWh Charging  
(Monthly, 3 Year Rolling)



Public Charging: 4.14 GWh consumed through  
496,602 charging sessions since 2012.



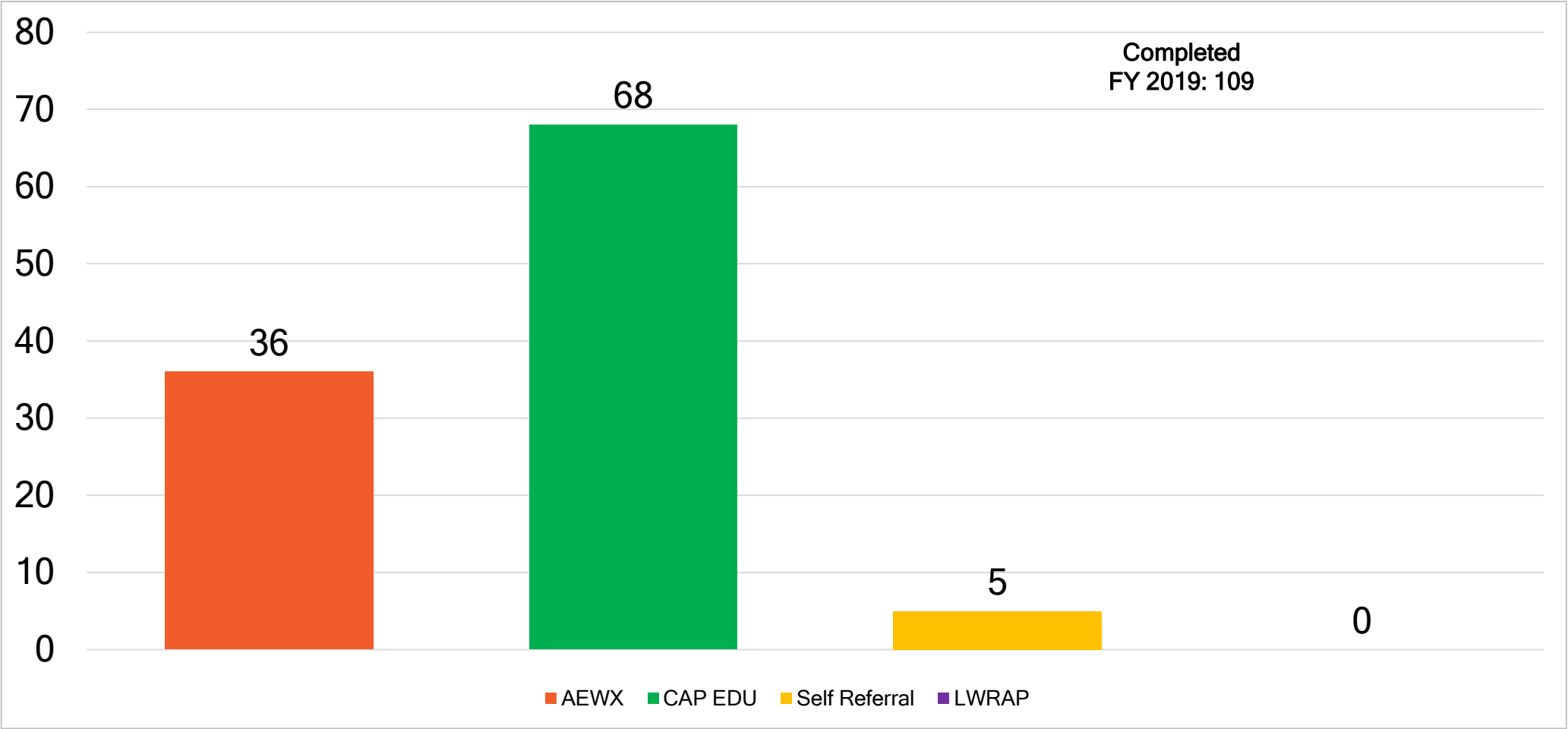
Austin Area EV Consumer Adoption  
(Monthly, 3 Year Rolling)



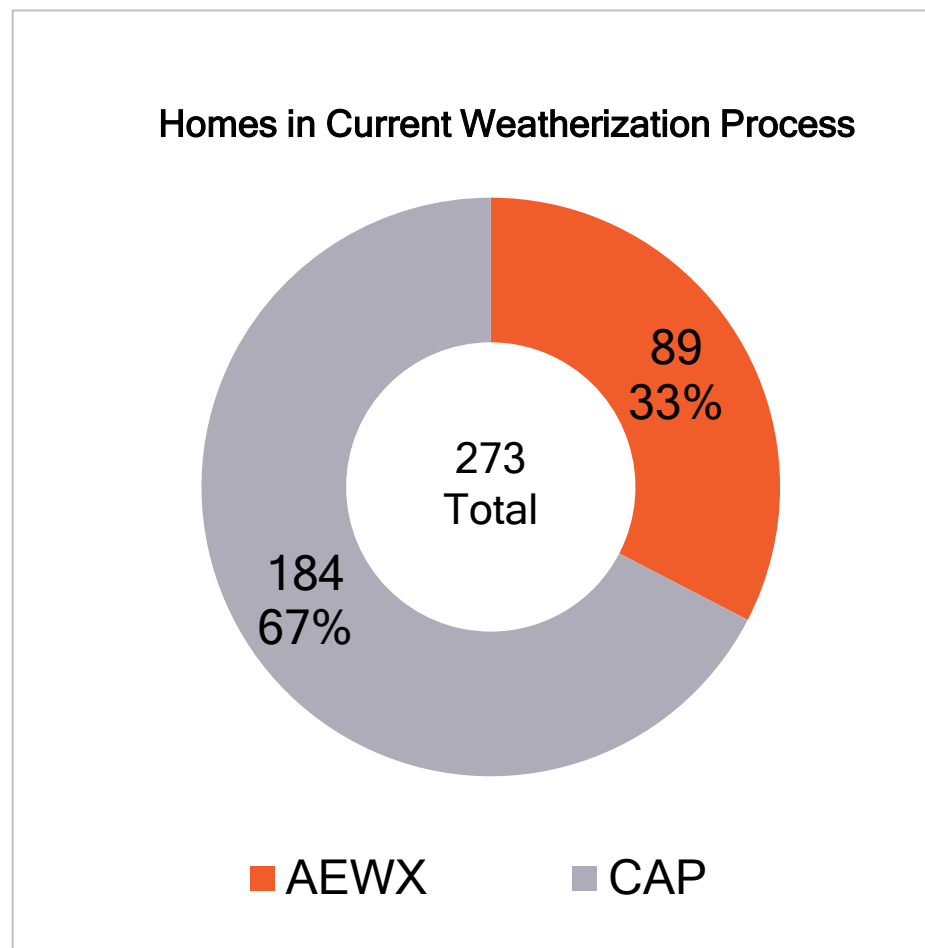
7445 EVs consume approx. 22.34 GWh/year.

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

# Weatherization FY2019 February



# Weatherization FY2019 February





**Customer Driven.  
Community Focused.<sup>SM</sup>**



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# CES RMC SAVINGS REPORT

FY19 Report  
As of 02/28/2019

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	0.90	35%	Customers	1,274	1,879.57	\$ 1,500,000	\$ 368,775
EES- Home Performance ES - Rebate	1.30	0.43	33%	Customers	312	486.76	\$ 1,650,000	\$ 592,439
EES- AE Weatherization & CAP Weatherization - D.I.	0.71	0.13	19%	Customers	110	188.26	\$ 2,277,000	\$ 401,443
EES-Direct Install -Other		0.01		Houses	1,669	105.15	\$ 100,000	\$ 13,600
EES-School Based Education	0.01			Participants			\$ 200,000	\$ 156,659
EES- Strategic Partnership Between Utilities and Retailers++	1.58	0.79	50%	Products Sold	102,755	5,615.67	\$ 875,000	\$ 341,457
EES- Multifamily Rebates	1.50	0.07	5%	Apt Units	575	343.99	\$ 525,000	\$ 15,274
EES- Multifamily WX-D.I.+	1.50	0.18	12%	Apt Units	600	484.07	\$ 675,000	\$ 89,991
GB- Residential Ratings	0.52	0.30	57%	Customers	329	478.35	\$ -	\$ -
GB- Residential Energy Code	13.50	5.27	39%	Customers	1,669	6,501.31	\$ -	\$ -
<b>Residential TOTAL</b>	<b>23.22</b>	<b>8.09</b>	<b>35%</b>		<b>4,869</b>	<b>16,083.11</b>	<b>\$ 7,802,000</b>	<b>\$ 1,979,638</b>

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	1.38	15%	Customers	32	5,998.43	\$ 3,100,000	\$ 301,305
EES- Small Business	3.50	0.83	24%	Customers	47	2,010.67	\$ 1,900,000	\$ 260,373
EES- Municipal				Customers			\$ 60,000	\$ 17,000
EES- Engineering Support				Projects				\$ -
EES/GB Commercial Projects	1.10			Customers				\$ -
GB- Multifamily Ratings	0.52	0.00	1%	Dwellings	131	13.12	\$ -	\$ -
GB- Multifamily Energy Code	4.71	0.98	21%	Dwellings	3,228	384.81	\$ -	\$ -
GB- Commercial Ratings	3.05	1.62	53%	1,000 sf	1,583	4,422.98	\$ -	\$ -
GB- Commercial Energy Code	14.58	6.14	42%	1,000 sf	4,124	16,204.37	\$ -	\$ -
<b>Commercial TOTAL</b>	<b>36.76</b>	<b>10.95</b>	<b>30%</b>		<b>3,438</b>	<b>29,034.36</b>	<b>\$ 5,060,000</b>	<b>\$ 578,678</b>

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	2.24	37%	Devices	1,580	7.83	\$ 1,483,000	\$ 159,478
DR- Water Heater Timers++	0.60	0.68	114%	Devices	1048	9.80	\$ 494,800	\$ 184,915
DR- Power Partner (Comm & Muni)	0.30	0.03	11%	Devices	23		\$ 90,400	\$ -
DR- Load Coop	2.60			Customers			\$ 1,270,000	\$ 438,685
DR- ERS (AE only)	0.2			Customers				\$ -
<b>Demand Response (DR) TOTAL</b>	<b>9.80</b>	<b>2.96</b>	<b>30%</b>		<b>2,651</b>	<b>17.63</b>	<b>\$ 3,338,200</b>	<b>\$ 783,078</b>

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				\$ -
<b>Thermal Energy Storage TOTAL</b>							<b>\$ 28,000</b>	<b>\$ -</b>

CES	MW Goal	MW To Date	Percentage	Participant Type	Participants To Date	MWh To Date	Rebate Budget	Spent to Date
<b>Grand TOTAL</b>	<b>69.77</b>	<b>21.99</b>	<b>32%</b>		<b>10,958</b>	<b>45,135.10</b>	<b>\$ 16,228,200</b>	<b>\$ 3,341,395</b>

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 02/28/2019

Solar Energy	MW Goal	MW To Date	Percentage	Participant Type	Participants To Date	MWh To Date	Incentive Budget	Spent to Date
Residential	7.00	1.98	28%	Customers	311	3284.44	\$ 5,000,000	\$ 888,083
Commercial	5.00	1.06	21%	Customers	14	1743.18	\$ 2,500,000	\$ 669,052
<b>Solar Energy TOTAL</b>	<b>12.00</b>	<b>3.04</b>	<b>25%</b>		<b>325</b>	<b>5,027.63</b>	<b>\$ 7,500,000</b>	<b>\$ 1,557,135</b>

Low Income	UPDATE
Energy Efficiency Programs	<ul style="list-style-type: none"> <li>WAP currently has 273 homes weatherized or in the pipeline for weatherization for FY19.</li> <li>WAP staff attended 8 faith-based or food bank events in February and discussed the program with 358 customers</li> </ul>
Solar	
Green Building	In February, 35 of 61 Single Family homes receiving an AE Green Building rating are in SMART Housing developments in the AE service area.

EES - LOAD COOP PROGRAM	No. of Applicants	Participants /Locations	Program Capacity	Maximum Event Performance
No. of Events			MW	MW
<sup>2</sup> Applicants and locations modified as a result of non performance and failure to activate contracts by end of fiscal year.				
<sup>3</sup> Program Capacity is the sum of all participants' best 2017 Load Coop performance or expected maximum drop based on audit information. Includes T&D&SR.				
<sup>4</sup> Best performance for any one event including 20% T&D&SR multiplier.				

DR Capacity Program	Devices/ Participants	Program Capacity (MW)
Cycle Saver	19,000	12.35*
Free Thermostat	20,000	16.56**
Power Partner Thermostat	14,500	20.6
Emergency Response System (AE only)		0.2
EES Behavioral Programs	Units	Count
PSV Newsletter & Outreach	Participants	8,113
Residential App	Participants	29,538
Commercial App	Participants	2,173

\*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	7	\$ 52,500
Residential Charging Stations	179	\$ 123,088
E-Ride	76	\$ 24,200

Loan Program	Customers	Budget	Spent to Date
EES- Home Performance ES-Loan*	24	\$ 200,000	\$ 8,241

\*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	0.17
Credited to Thermal Energy Storage	MW	0.31
Credited to Solar Energy	MWh	280.93
Natural gas	CCF	38,844.00
Building water	1,000 gal	24,110.00
Irrigation water	1,000 gal	9,619.00
Construction Waste diversion	Tons	17,285.00

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CES RMC SAVINGS REPORT  
FY19 Report  
As of 02/28/2019

EES/GB Water Savings	Gallons/yr. at 0.45 Gallon/kWh	20,310,795
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Avoided power plant water consumption (evaporation only).

NOTES

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.

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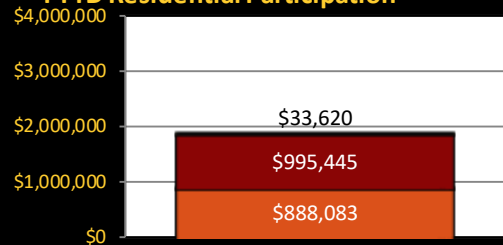


# Renewable Energy Programs Report

## February FY19

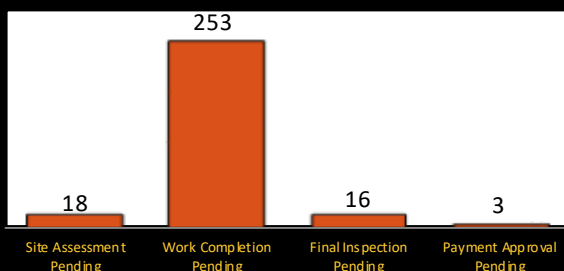
Green Energy Programs	Residential Customers		CAP Customers		Total
Community Solar	198		158		356
	Residential Customers		Commercial Customers		
Green Choice	15,345		1,200		16,545
Solar Incentive Programs					
LOI Issued #	Month	FYTD	ITD	FY Forecast	% of FY Forecast
Residential	60	269	8007	1200	22%
Commercial	0	8	397	40	20%
LOI Committed \$	Month	FYTD	Reserved		
Residential	\$150,000	\$667,500	\$995,445	\$3,000,000	22%
Commercial (Estimated Annual PBI Payments)	\$0	\$53,658	\$126,697	\$1,000,000	5%
LOI Committed kW-AC	Month	FYTD	Reserved		
Residential	407	1893	2117	NA	NA
Commercial PBI	0	621	1376	NA	NA
Projects Completed #	Month	FYTD	ITD		
Residential	82	311	7,947	1200	26%
Commercial PBI	0	14	284	40	35%
Commercial CBI	0	0	101	NA	NA
Projects Completed \$	Month	FYTD	ITD		
Residential Rebates	\$285,265	\$888,083	\$61,348,215	\$3,000,000	30%
Commercial PBI Paid	\$117,327	\$498,924	\$6,558,447	\$2,500,000	20%
Commercial CBI	\$0	\$0	\$6,143,408	NA	NA
Projects Complete kW-AC	Month	FYTD	ITD		
Residential	511	1,984	37,713	7,000	28%
Commercial PBI	0	1,058	19,600	5,000	21%
Commercial CBI	0	0	1,099	NA	NA
Total kW AC	511	3,042	58,411	12,000	25%
Projects Completed kWh/yr.	Month	FYTD	ITD		
Residential	846,797	3,284,535	63,475,279	11,830,000	28%
Commercial	0	1,743,448	34,715,520	8,450,000	21%
Total kWh	846,797	5,027,983	98,190,799	20,280,000	25%
Applications Submitted That Have Not Received LOIs		Current	FYTD Residential Participation		
# of Residential		18	<div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div></div> 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FYTD Residential Participation



■ Residential Paid ■ Residential Reserved ■ Residential Requested

Residential - Application Status



PBI Modeled FY Expenditure

