

Customer Driven. Community Focused.



# Customer Energy Solutions

## Program Update

as of October 31, 2017

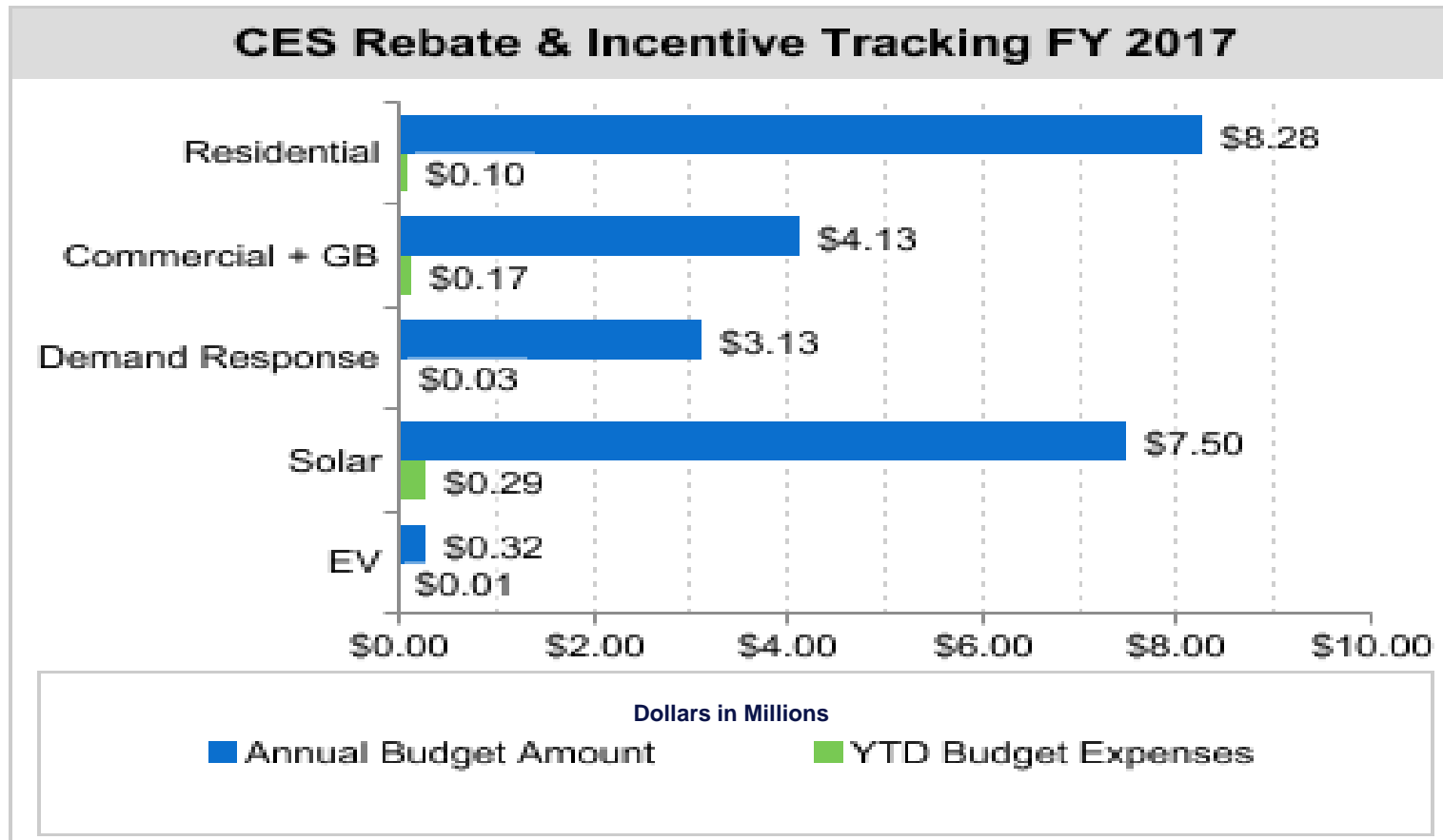


TO SAFELY DELIVER CLEAN, AFFORDABLE, RELIABLE ENERGY AND EXCELLENT CUSTOMER SERVICE





# CES Rebate & Incentive Tracking FY 2018 Oct

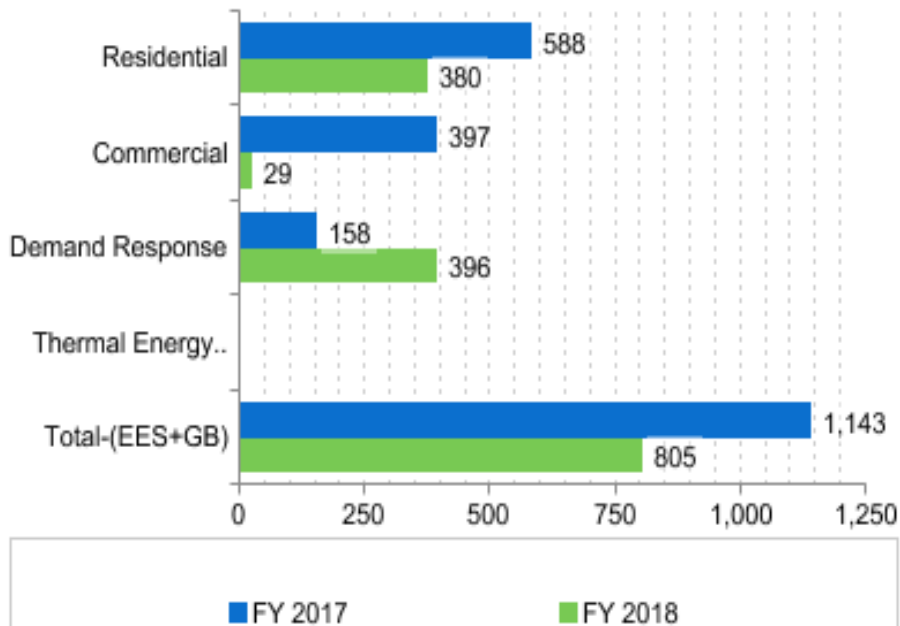


Source:  
RMC Report as of 11/08/17  
eCombs as of 11/06/17 Based on unaudited numbers

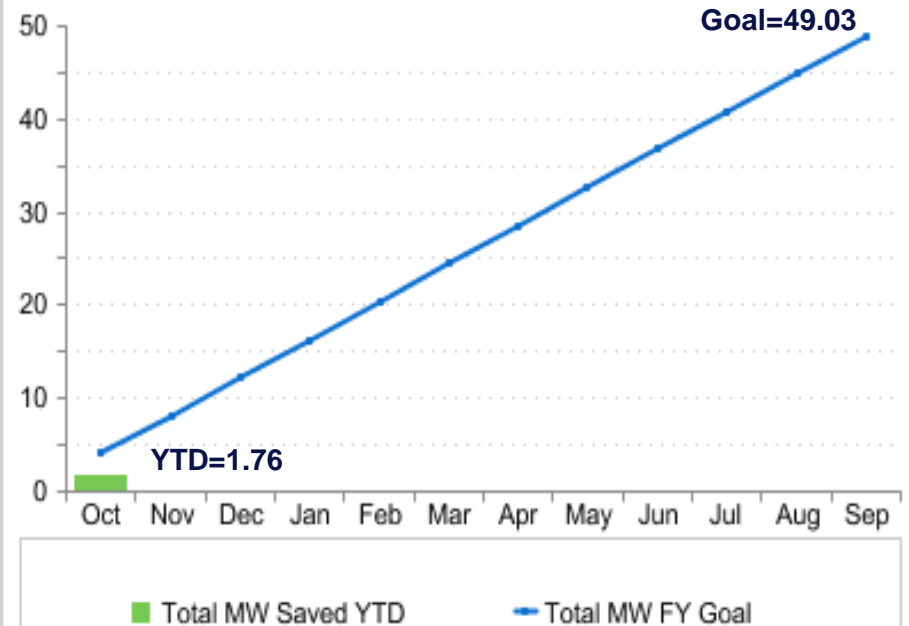


# Participation & MW Savings FY 2018 Oct

Overall Participation



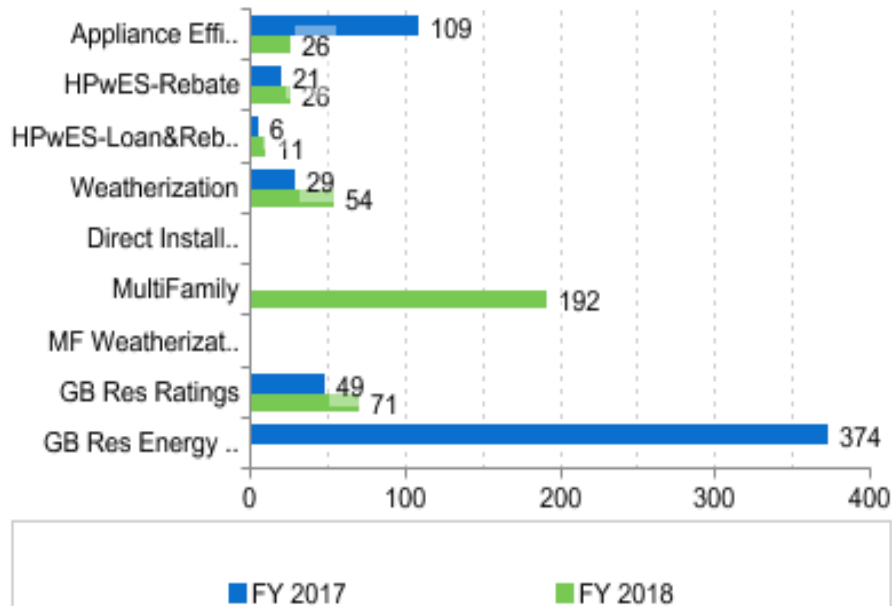
Total MW Savings FY 2017



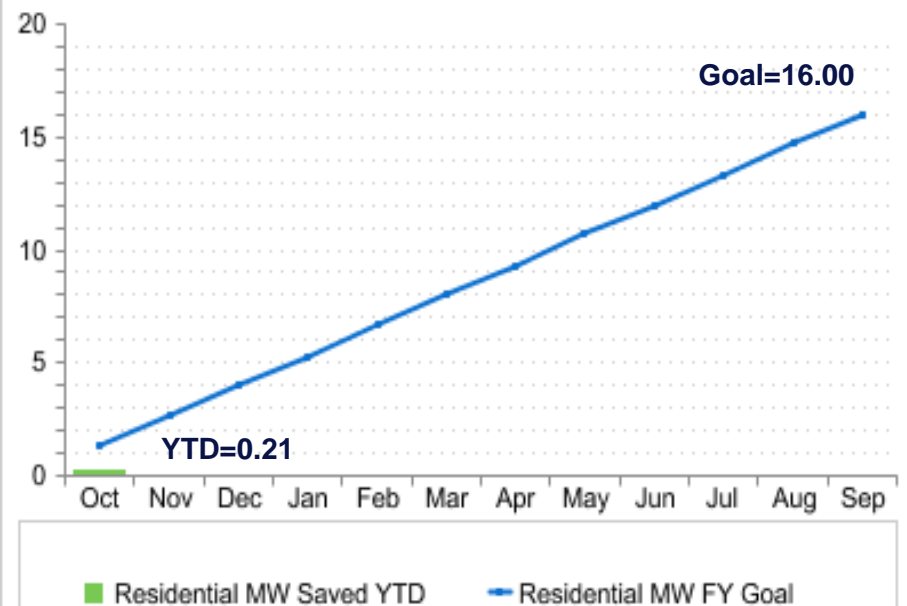


# Participation & MW Savings FY 2018 Oct

## Residential Participation



## MW Savings Residential FY 2017

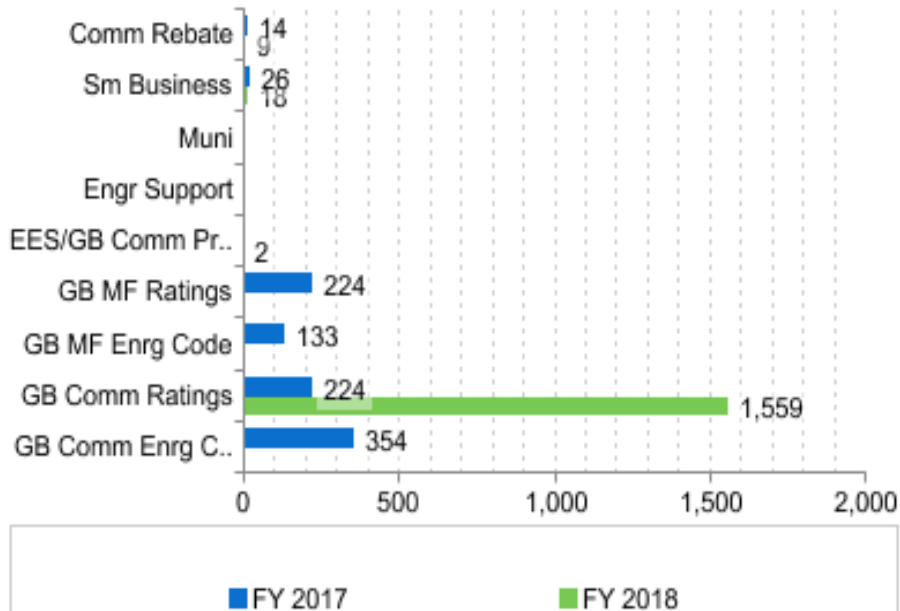


Residential -Strategic Partnership between Utilities and  
Retailers (SPUR)- FY 2018=0  
FY 2017=18,733

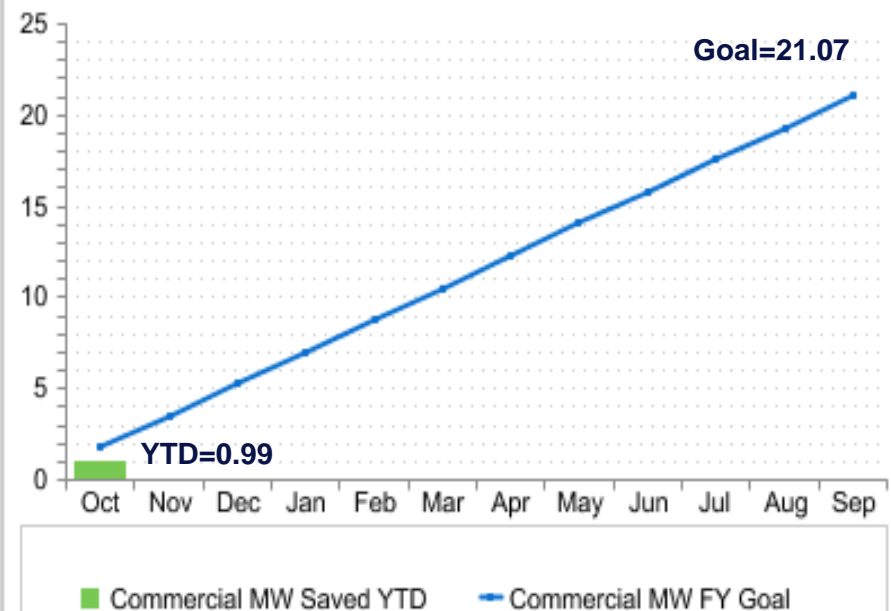


# Participation & MW Savings FY 2018 Oct

## Commercial Participation



## MW Savings Commercial FY 2017



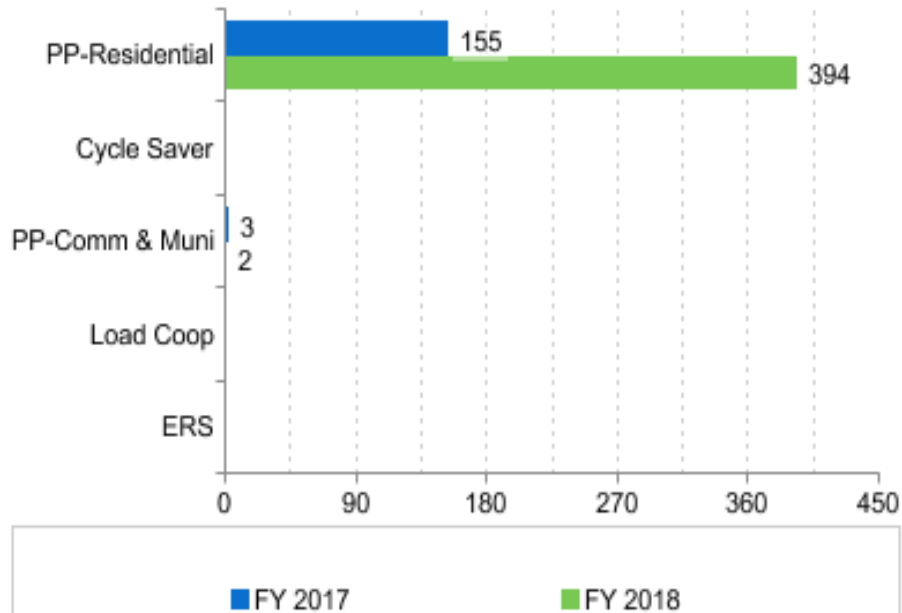
GB(Green Building) Commercial Ratings and GB Energy Code participation is in “1000’s square feet”  
GB MF(Multi Family) Energy Code participation is in number of dwelling units

Commercial + Thermal Energy Storage  
Commercial Goal=21.07  
Thermal Energy Storage Goal=0  
Total Goal=21.07

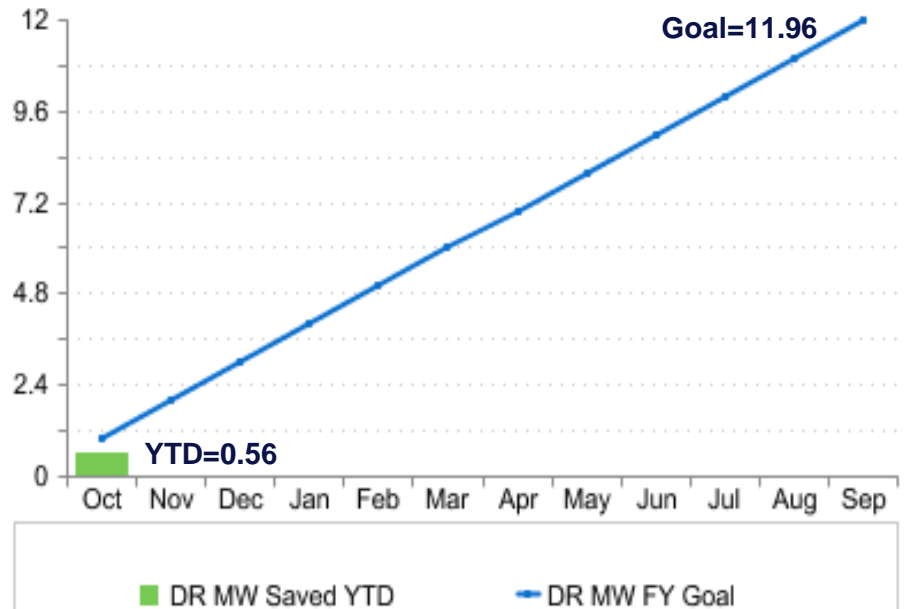


# Participation & MW Savings FY 2018 Oct

## Demand Response Participation



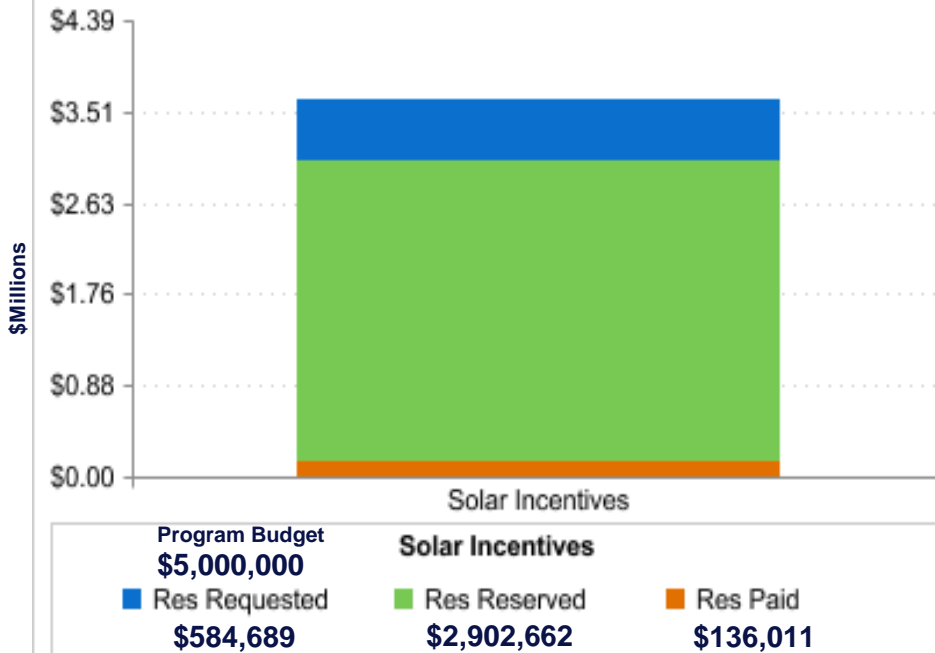
## MW Savings Demand Response FY 2017





# Solar Rebates & MW Tracking FY 2018 Oct

Solar Residential

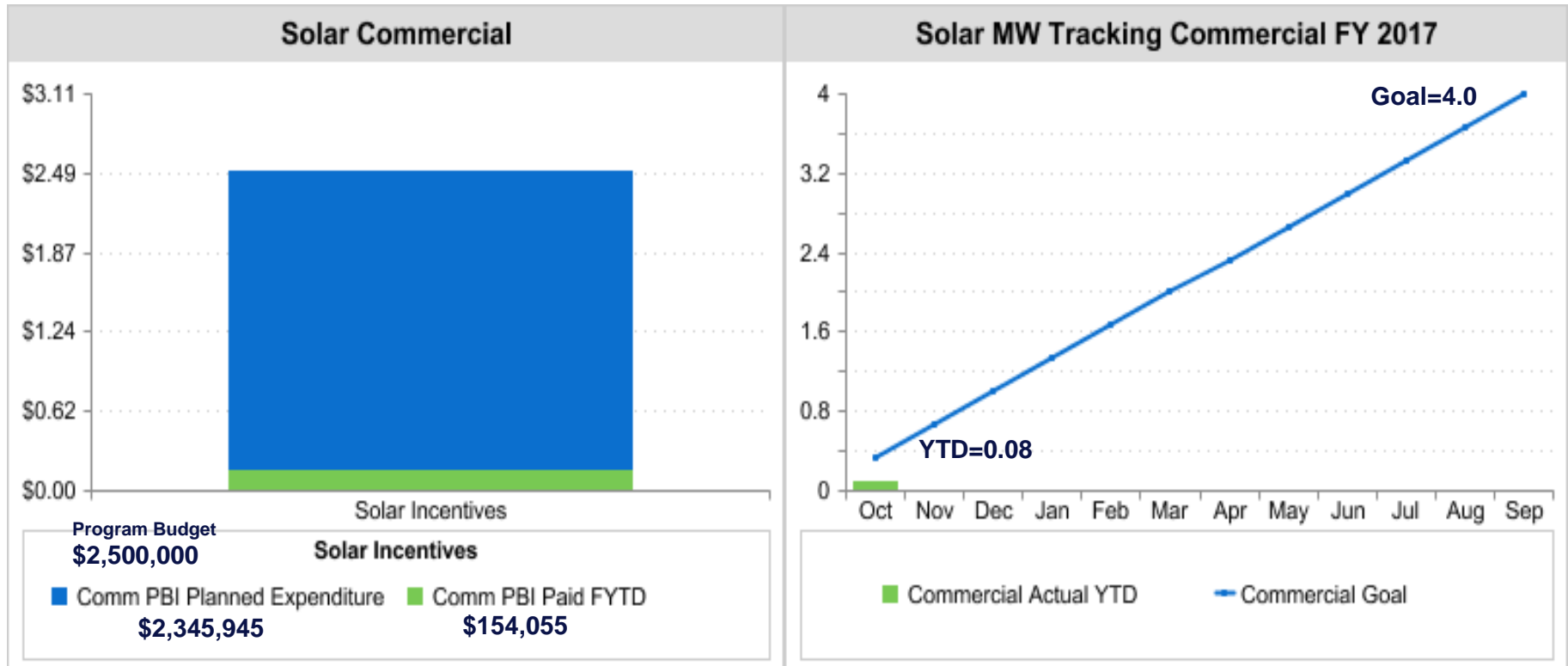


Solar MW Tracking Residential FY 2017





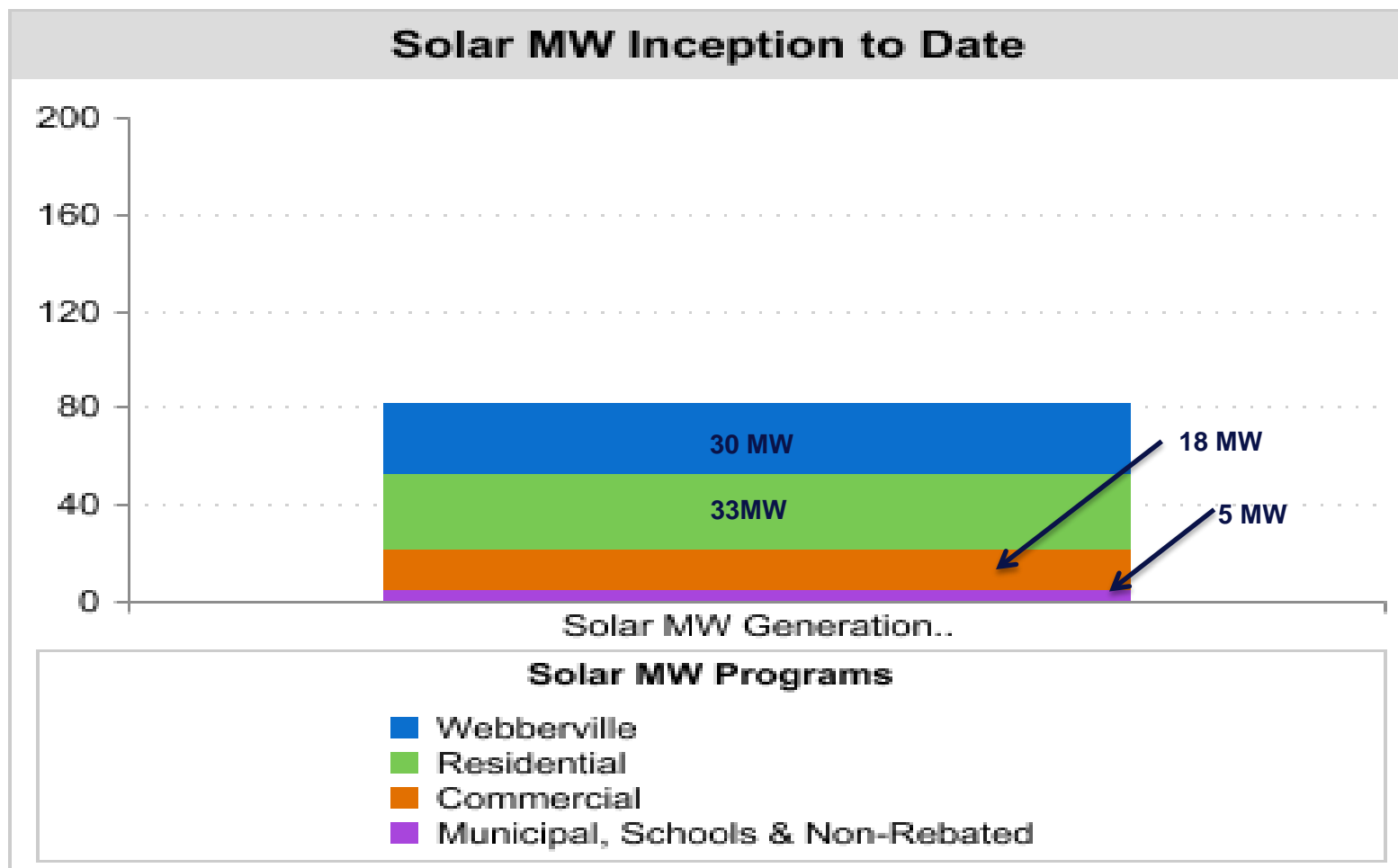
# Solar Rebates & MW Tracking FY 2018 Oct







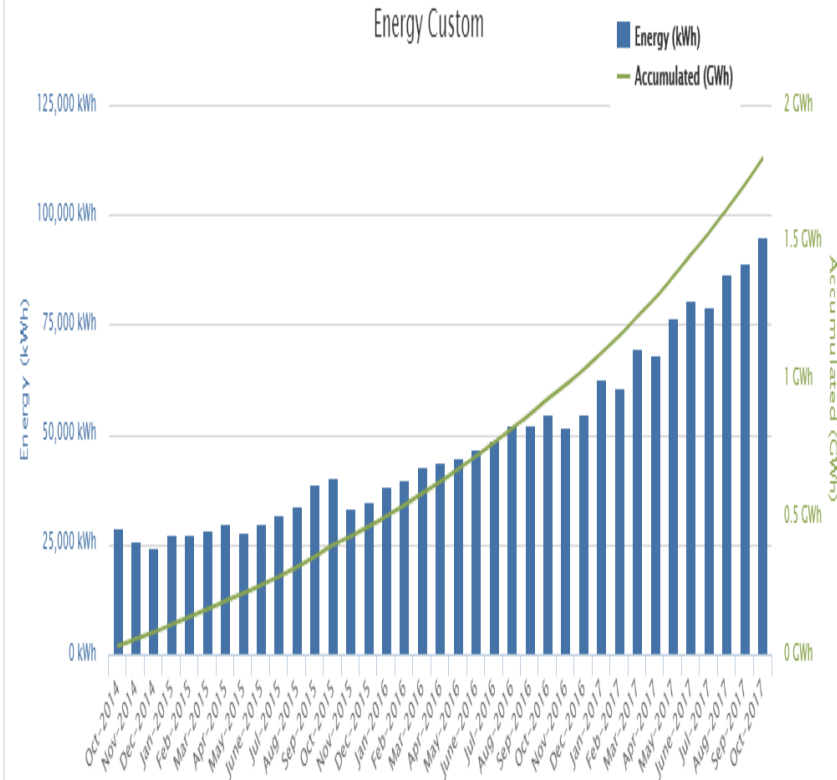
# Solar MW Inception to Date as of FY 2018 Oct





# Electric Vehicles Charging & Adoption FY 2018 Oct

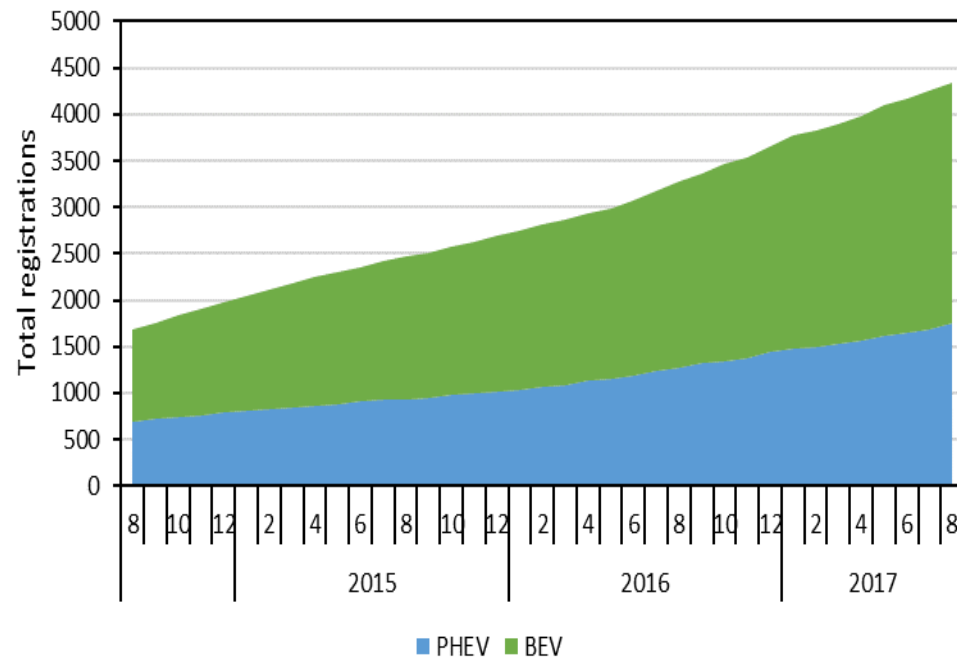
Plug-In EVerywhere kWh Charging  
(Monthly, 3 Year Rolling)



Public Charging: 2.19 GWh consumed through 291,490 charging sessions since 2012.

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

Cumulative registrations by type



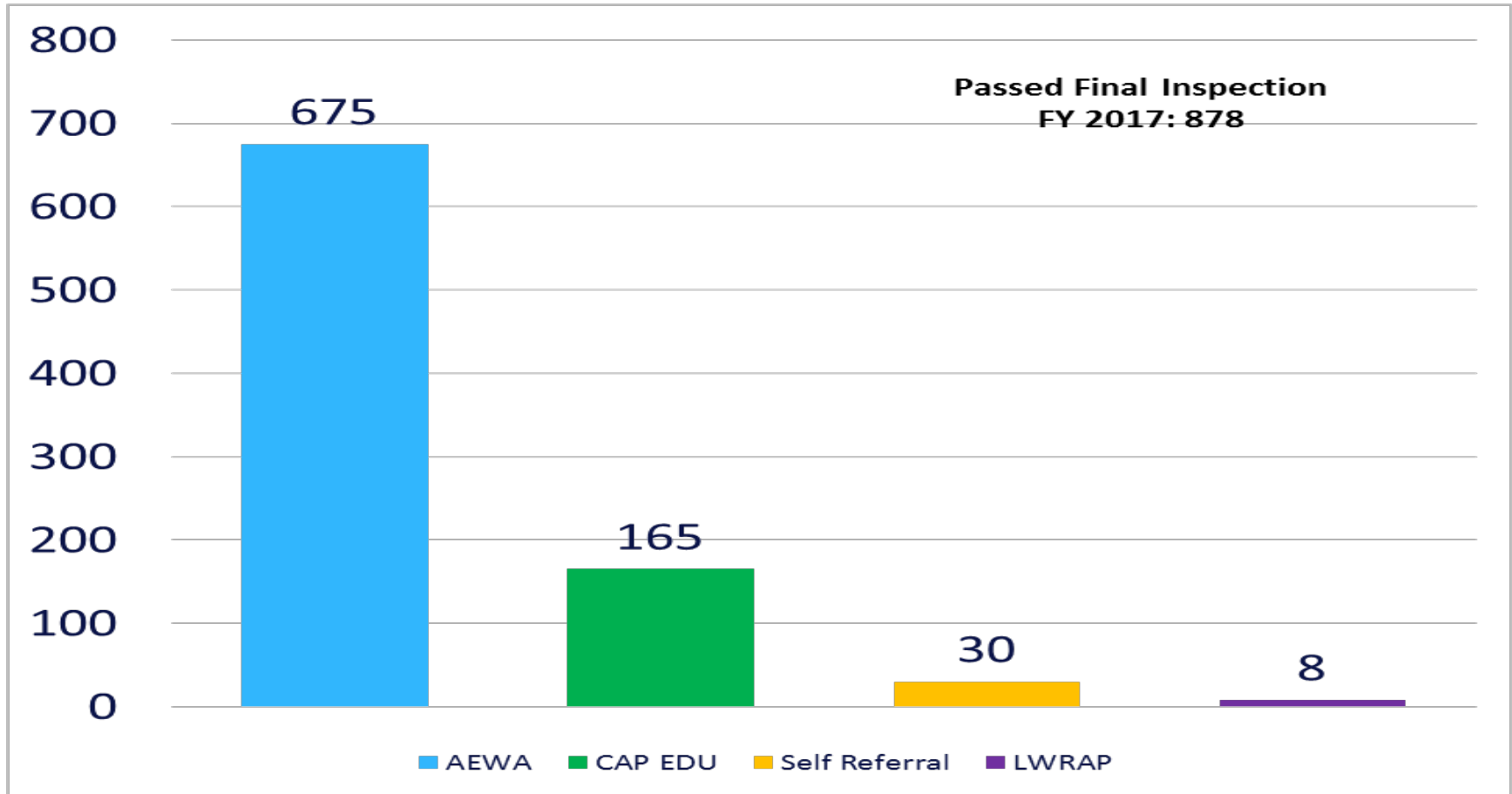
4,337 EVs consume approx. 13 GWh/year.

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





# Weatherization FY 2018 Oct



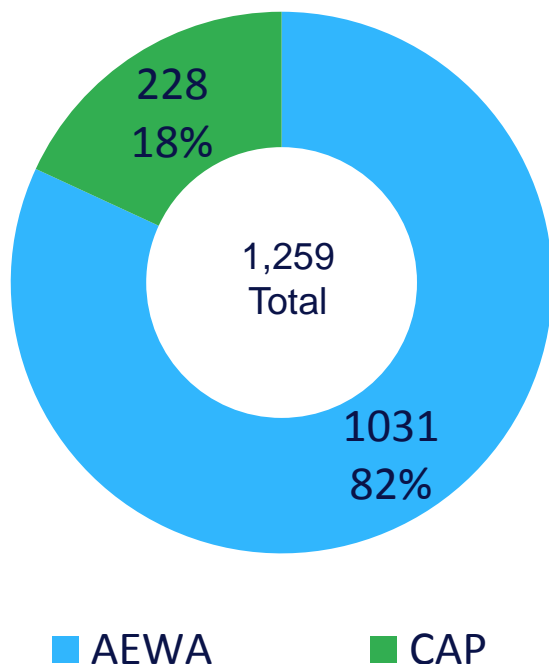
Self Referral = a customer who filled out an application for weatherization and is not a CAP customer

For the CES Dashboard Report, Total Jobs Completed is defined as all homes that have been weatherized, inspected, and invoiced.



# Weatherization FY 2018 Oct

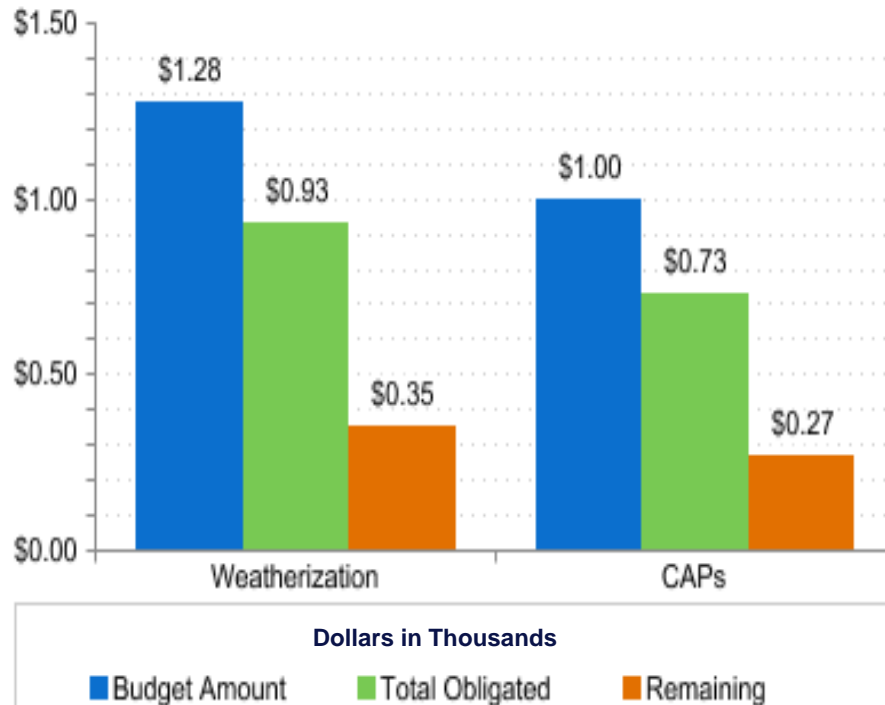
Homes in Current Weatherization Process



AEWA=Austin Energy Weatherization  
CAP=Customer Assistance Program

Applicants assessed by the Austin Energy Weatherization Team may be referred to other home repair resources for assistance before weatherization may be completed. Updated on 11/13/17

Weatherization/CAPs Budgets FY 2018



Source: eCombs: 11/03/17 & Encumbrances as of 11/09/17  
Total Obligated=Spent + Encumbrance  
Weatherization Spent=\$650 | Encumbrance=\$928,239  
CAPs Spent=\$0 | Encumbrance=\$730,000





# CES RMC SAVINGS REPORT

## FY18 Report

### As of 10/31/2017

Residential	MW Goal	MW To Date	Percentage	Participant Type	Participants To Date	MWh To Date	Rebate Budget	Spent to Date
EES- Appliance Efficiency Program	2.20	0.02	1%	Customers	26	51.17	\$ 1,300,000	\$ 15,250
EES- Home Performance ES - Rebate	1.63	0.05	3%	Customers	26	51.35	\$ 1,700,000	\$ 74,015
EES- Home Performance ES - Rebate and Loan	0.25	0.02	8%	Customers	11	21.73	\$ 250,000	\$ -
EES- Weatherization Assistance & CAP WX	0.63	0.05	8%	Customers	54	59.02	\$ 2,277,000	\$ 650
EES-Direct Install Program	0.83			Houses				
EES- Strategic Partnership Between Utilities and Retailers++	1.00			Products			\$ 900,000	\$ -
EES- Multifamily	2.88	0.02	1%	Apt Units	192	14.00	\$ 1,850,000	\$ 6,246
EES- Multifamily Weatherization Assistance Program+				Apt Units				
GB- Residential Ratings	0.58	0.05	9%	Customers	71	87.17		
GB- Residential Energy Code	6.00			Customers				
<b>Residential TOTAL</b>	<b>16.00</b>	<b>0.21</b>	<b>1%</b>		<b>380</b>	<b>284</b>	<b>\$ 8,277,000</b>	<b>\$ 96,161</b>
Commercial	MW Goal	MW To Date	Percentage	Participant Type	Participants To Date	MWh To Date	Rebate Budget	Spent to Date
EES- Commercial Rebate	6.90	0.09	1%	Customers	9	255.00	\$ 2,400,000	\$ 69,896
EES- Small Business	3.00	0.18	6%	Customers	18	490.00	\$ 1,700,000	\$ 95,586
EES- Municipal	0.50			Customers				
EES- Engineering Support				Projects				
EES/GB Commercial Projects	2.50	0.07	3%	Customers	2	336.00		
GB- Multifamily Ratings	0.66			Dwellings				
GB- Multifamily Energy Code	0.91			Dwellings				
GB- Commercial Ratings	1.40	0.66	47%	1,000 sf	1559	1,515.05		
GB- Commercial Energy Code	5.20			1,000 sf				
<b>Commercial TOTAL</b>	<b>21.07</b>	<b>0.99</b>	<b>5%</b>		<b>29</b>	<b>2,596</b>	<b>\$ 4,100,000</b>	<b>\$ 165,482</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)	5.87	0.56	10%	Devices	394	5.02	\$ 1,608,000	\$ 34,085
DR- Cycle Saver++	1.00			Devices				
DR- Power Partner (Comm & Muni)	2.27	0.003	0%	Devices	2		\$ 290,000	\$ -
DR- Load Coop	2.82			Customers			\$ 1,237,000	\$ -
DR- ERS (AE only)				Customers				
<b>Demand Response (DR) TOTAL</b>	<b>11.96</b>	<b>0.56</b>	<b>5%</b>		<b>396</b>	<b>5</b>	<b>\$ 3,135,000</b>	<b>\$ 34,085</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				\$ -
Central Loop				Projects			\$ 28,000	\$ -
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>49.03</b>	<b>1.76</b>	<b>4%</b>		<b>805</b>	<b>2,886</b>	<b>\$ 15,540,000</b>	<b>\$ 295,728</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

## FY18 Report

### As of 10/31/2017

Solar Energy	MW Goal	MW To Date	Percentage	Participant Type	Participants To Date	MWh To Date	Incentive Budget	Spent to Date
Residential	6.00	0.21	4%	Customers	40	360.94	\$ 5,000,000	\$ 136,011
Commercial	4.00	0.08	2%	Customers	1	123.93	\$ 2,500,000	\$ 154,045
Solar Water Heating				Customers				
Solar Energy TOTAL	10.00	0.29	3%		41	485	\$ 7,500,000	\$ 290,056

Low Income	UPDATE
Energy Efficiency Programs	Weatherization: Single Family: 350 homes are in the pipeline for FY18.
Solar	
Green Building	In October, 32 of the 71 <b>Single Family</b> homes receiving an AE Green Building rating are in SMART housing developments in the AE service area.

Low Income Program	Budget	Encumbrances as of 11/8/2017	Spent To Date
EES Weatherization Assistance	\$ 1,277,000	\$ 928,239	\$ 650
CAP Weatherization	\$ 1,000,000	\$ 730,000	\$ -

EES - LOAD COOP PROGRAM	No. of Applicants <sup>2</sup>	Participants /Locations	Program Capacity <sup>3</sup>	Maximum Event Performance <sup>4</sup>
No. of Events			MW	MW
15				
<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 2016 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	20,000	13*
Free Thermostat	20,500	29.1**
Power Partner Thermostat	16,387	23.30
Emergency Response System (AE only)		16.25
EES Behavioral Programs	Units	Count
PSV Newsletter & Outreach	Participants	1,237
Residential App	Participants	21,301
Commercial App	Participants	1,921

Electric Vehicle Programs	Rebates	Spent To Date
Commercial Charging Stations		\$ -
Residential Charging Stations	12	\$ 10,867
E-Ride	11	\$ 3,400

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# CES RMC SAVINGS REPORT

## FY18 Report

### As of 10/31/2017

Green Building Impacts	Units	Saved
Credited to Solar Energy	MW	
Credited to Thermal Energy Storage	MW	0.49
Credited to Solar Energy	MWh	
Natural gas	CCF	10,819.00
Building water	1,000 gal	9,672.00
Irrigation water	1,000 gal	1,987.00
Construction Waste diversion	Tons	13,012.00

EES/GB Water Savings	Gallons/yr. at 0.45 Gallon/kWh	1,298,477
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Avoided power plant water consumption (evaporation only).

SPUR Program	Product Units	Retail Locations
60W LED Bulbs		
40W LED Bulbs		
Candelabra		
BR30/Flood*		
In-room a/c units		
Wi-Fi thermostats	Promotion Only	
Heat Pump Water Heaters	Promotion Only	
Energy Star Refrigerators		
Energy Star Freezers		
Smart Strips		
Ceiling Fans		
Air Purifiers		
Direct. Fixt. LED Kits		
Gap Fillers		
Door Sweep		
Window Film		
Air Filters		
Door Seal		

Table shows current retailers and products during contract transition.

Outreach Program	UPDATE
Austin Energy All-Stars	
ECAD Multifamily Compliance	

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# CES RMC SAVINGS REPORT

## FY18 Report

### As of 10/31/2017

#### NOTES

Effective April 2017, energy code savings from building permits are reported in the corresponding month, one year post-permit. FY18 energy code savings will be reported April through September from FY17 building permits.

Energy code savings from FY18 building permits will be reported in FY19, thus no savings are reported October, 2017 through March, 2018.

Per notification from the program manager on 10-4-17, the following data was corrected for the May savings values for GB-Residential Ratings: Participation from 93 to 92, MWs remained the same at 0.07 and MWHs changed from 115.3 to 114.1.

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

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

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.

\*\*Free thermostats were not adjusted in FY17 for attrition.

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

++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.

Data is unaudited and rounded to 2 decimal points.

Program data is provided by individual Programs.

Budget data source is eCOMBS.

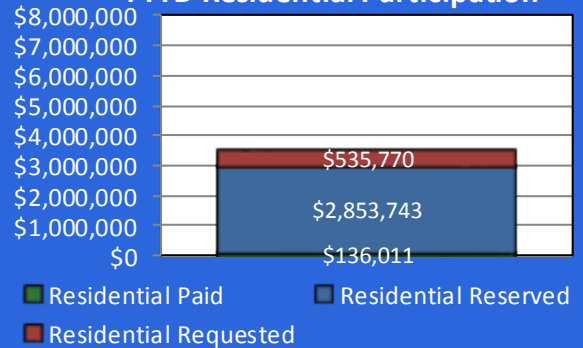


## Solar PV Incentive Program October FY18 Participation Report

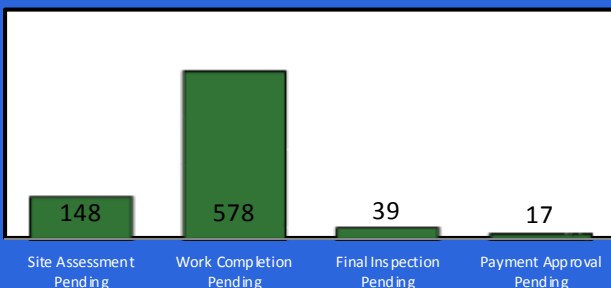
LOI Issued #	Month	FYTD	ITD	FY Forecast	% of FY Forecast
Residential	191	191	6975	1000	19%
Commercial	2	2	258	85	2%
<b>LOI Committed \$</b>	<b>Month</b>	<b>FYTD</b>	<b>Reserved</b>		
Residential	\$607,266	\$607,266	\$2,853,743	\$5,000,000	12%
Commercial (Estimated Annual PBI Payments)	\$10,089	\$10,089	\$171,876	\$1,000,000	1%
<b>LOI Committed kW-AC</b>	<b>Month</b>	<b>FYTD</b>	<b>Reserved</b>		
Residential	1030	1030	4525	NA	NA
Commercial PBI	128	128	2195	NA	NA
<b>Projects Completed #</b>	<b>Month</b>	<b>FYTD</b>	<b>ITD</b>		
Residential	40	40	6,294	750	5%
Commercial PBI	1	1	235	60	2%
Commercial CBI	0	0	101	NA	NA
<b>Projects Completed \$</b>	<b>Month</b>	<b>FYTD</b>	<b>ITD</b>		
Residential Rebates	\$136,011	\$136,011	\$57,869,073	\$5,000,000	3%
Commercial PBI Paid	\$154,055	\$154,055	\$4,145,767	\$2,500,000	6%
Commercial CBI	\$0	\$0	\$6,143,408	NA	NA
<b>Projects Complete kW-AC</b>	<b>Month</b>	<b>FYTD</b>	<b>ITD</b>		
Residential	213	213	29,303	6,000	4%
Commercial PBI	76	76	14,567	4,000	2%
Commercial CBI	0	0	1,099	NA	NA
Total kW AC	289	289	44,968	10,000	3%
<b>Projects Completed kWh/yr</b>	<b>Month</b>	<b>FYTD</b>	<b>ITD</b>		
Residential	360,938	360,938	49,386,685	10,140,000	4%
Commercial	123,926	123,926	26,317,937	6,760,000	2%
Total kWh	484,864	484,864	75,704,622	16,900,000	3%

<b>Applications Submitted That Have Not Received LOIs</b>		<b>Current</b>
# of Residential	148	
Res Requested Rebate \$	\$535,770	
Res Requested Capacity kW-ac	926	
# of Commercial	11	
Com Requested Rebate \$ (Estimated Annual PBI Payments)	\$27,313	
Com Capacity kW-ac	203	
<b>Monthly Modeling</b>		
Projected Total PBI FY17 Exposure (Modeled \$/Annual)	\$2,500,000	
Modeled kWh Production- Res	4,528,613	
Modeled kWh Production - Com	2,081,342	

**FYTD Residential Participation**



**Residential - Application Status**



**PBI Modeled FY Expenditure**

