



Customer Energy Solutions

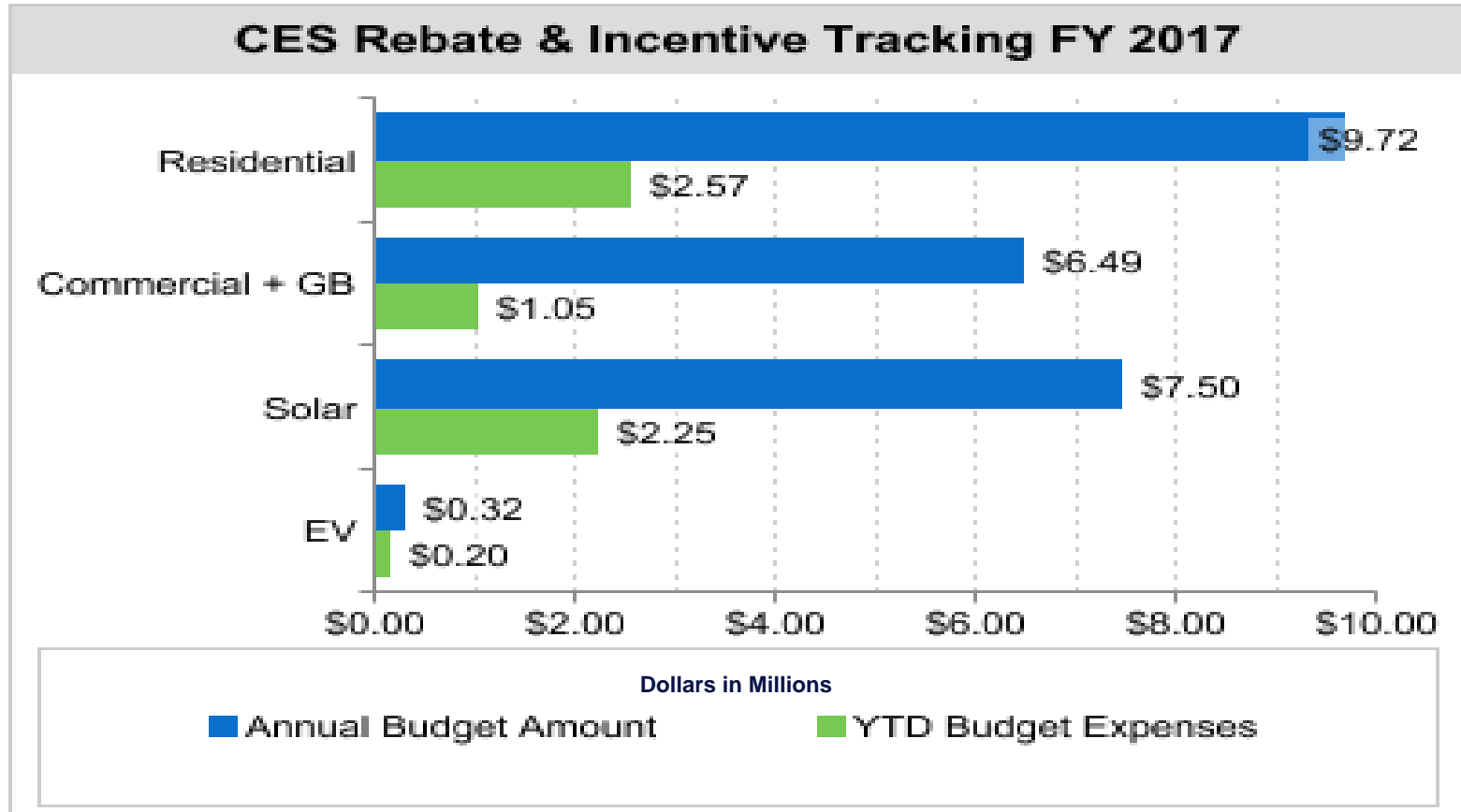
Program Update

as of February 28, 2017





CES Rebate & Incentive Tracking FY 2017 Oct-Feb



Source:

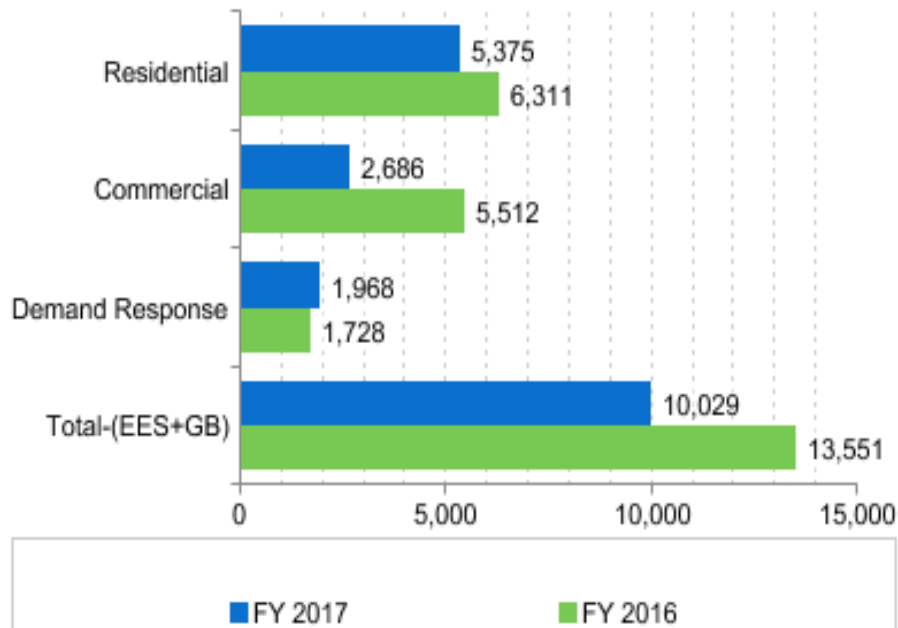
RMC Report as of 3/13/17

eCombs as of 3/06/17 Based on unaudited numbers

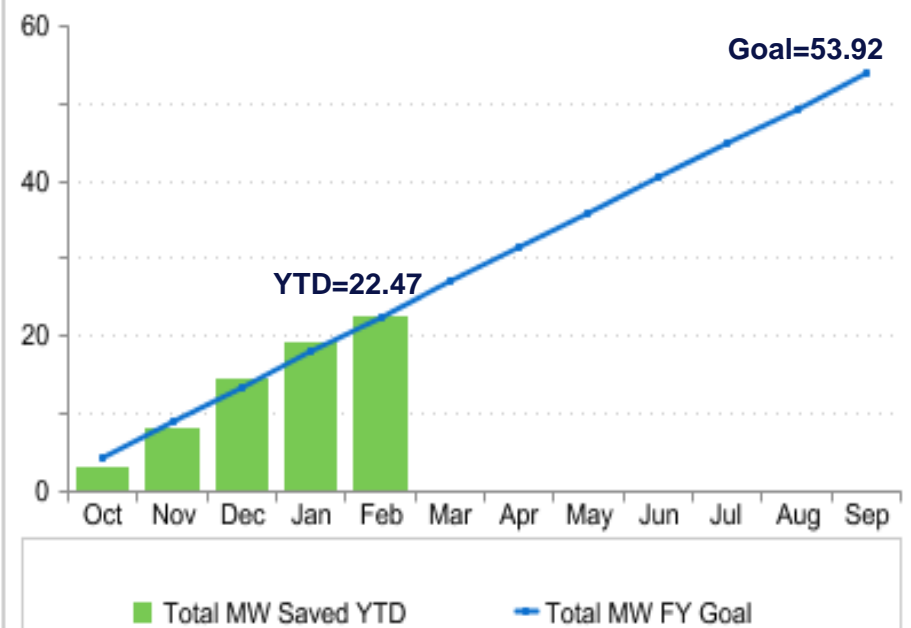


Participation & MW Savings FY 2017 Oct-Feb

Overall Participation



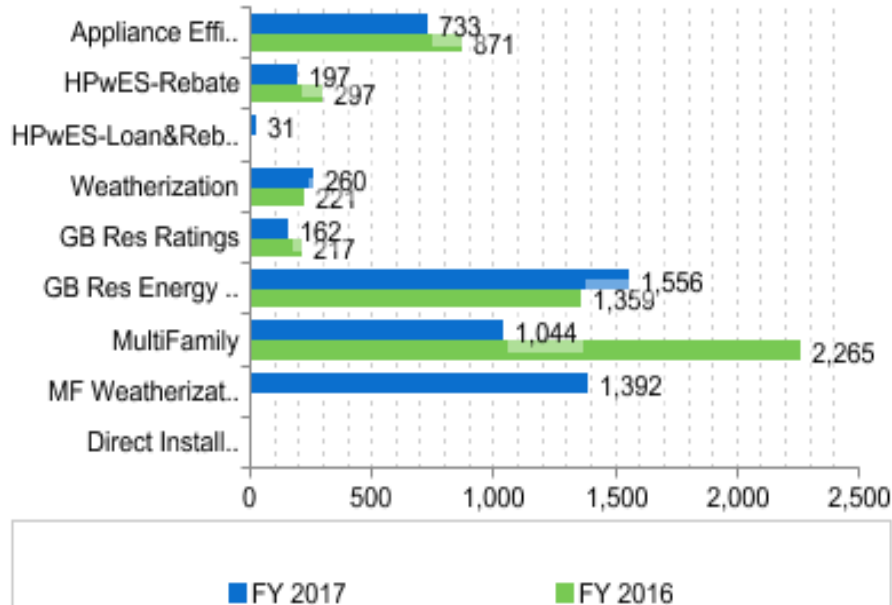
Total MW Savings FY 2017



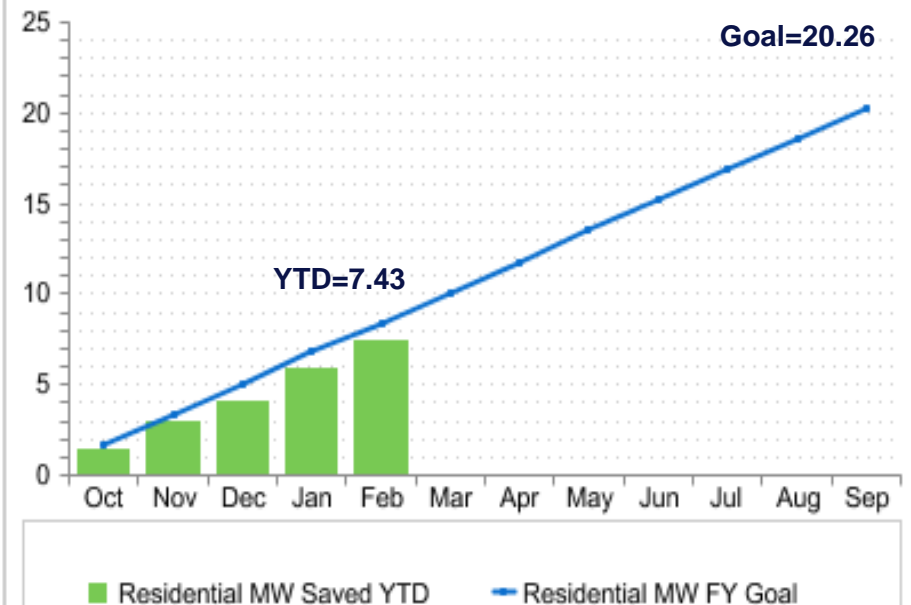


Participation & MW Savings FY 2017 Oct-Feb

Residential Participation



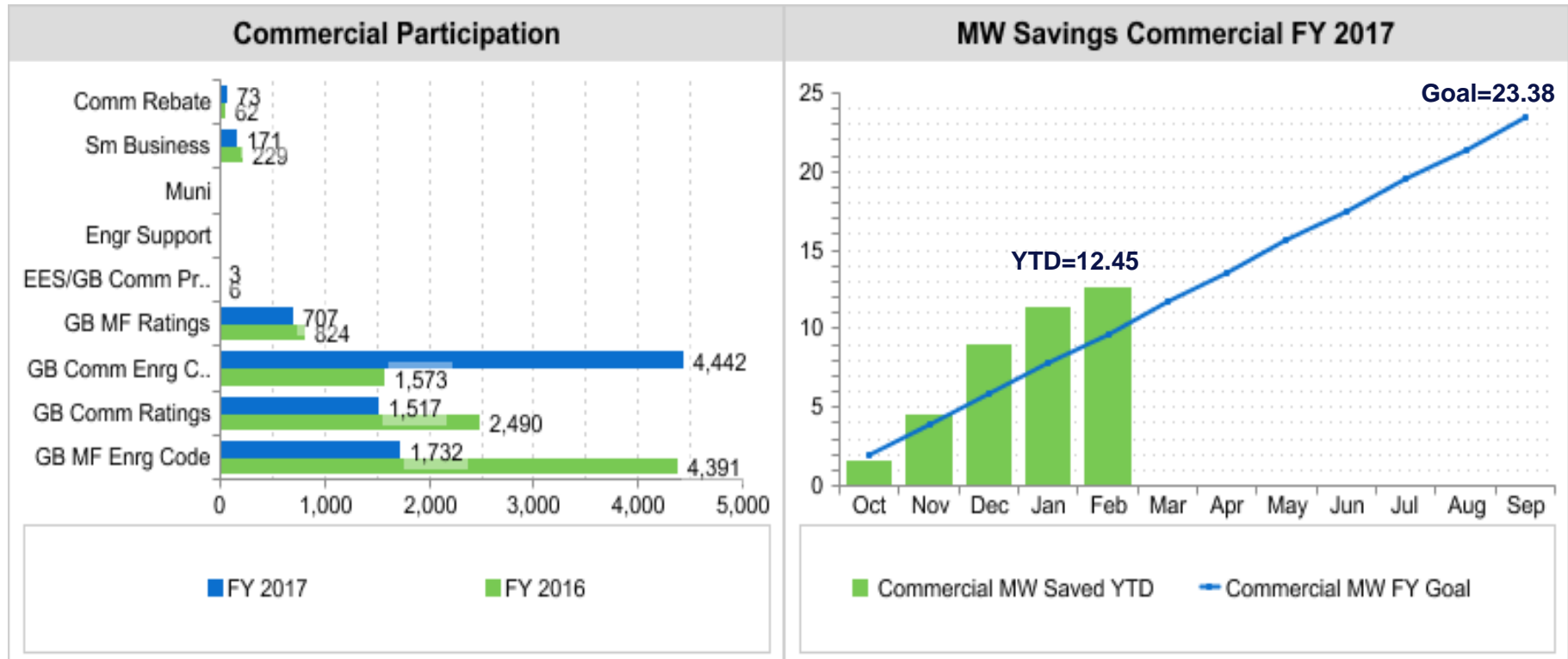
MW Savings Residential FY 2017



Residential -Strategic Partnership between Utilities and
Retailers (SPUR)- FY 2017= 175,187
FY 2016=92,400



Participation & MW Savings FY 2017 Oct-Feb



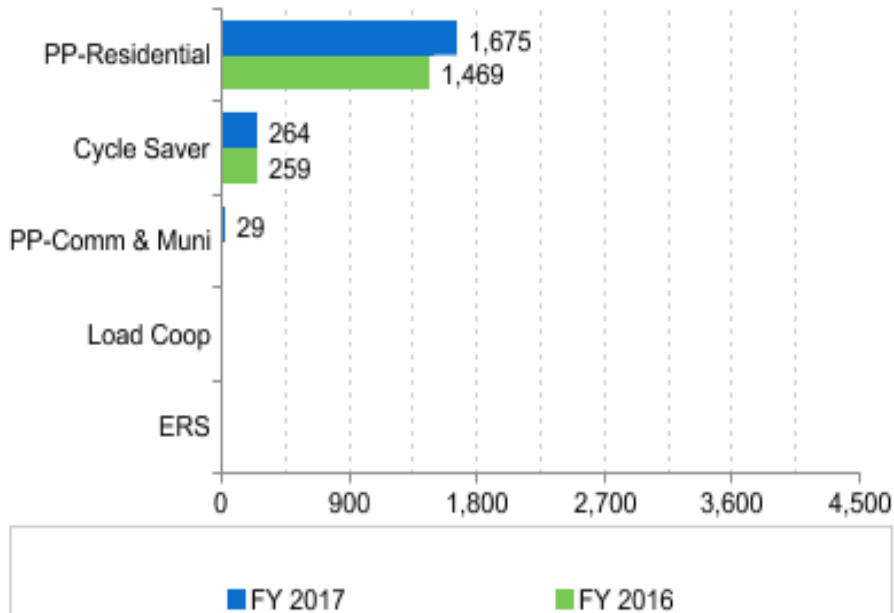
GB(Green Building) Commercial Ratings and GB Energy Code participation is in “1000’s square feet”
GB MF(Multi Family) Energy Code participation is in number of dwelling units

Commercial + Thermal Energy Storage
Commercial Goal=23.18
Thermal Energy Storage Goal=0.20
Total Goal=23.38

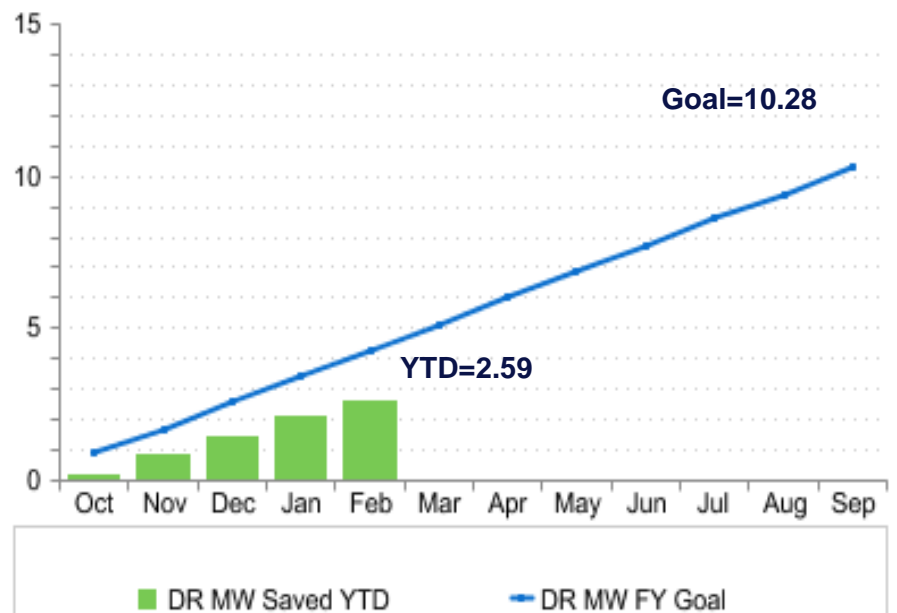


Participation & MW Savings FY 2017 Oct-Feb

Demand Response Participation



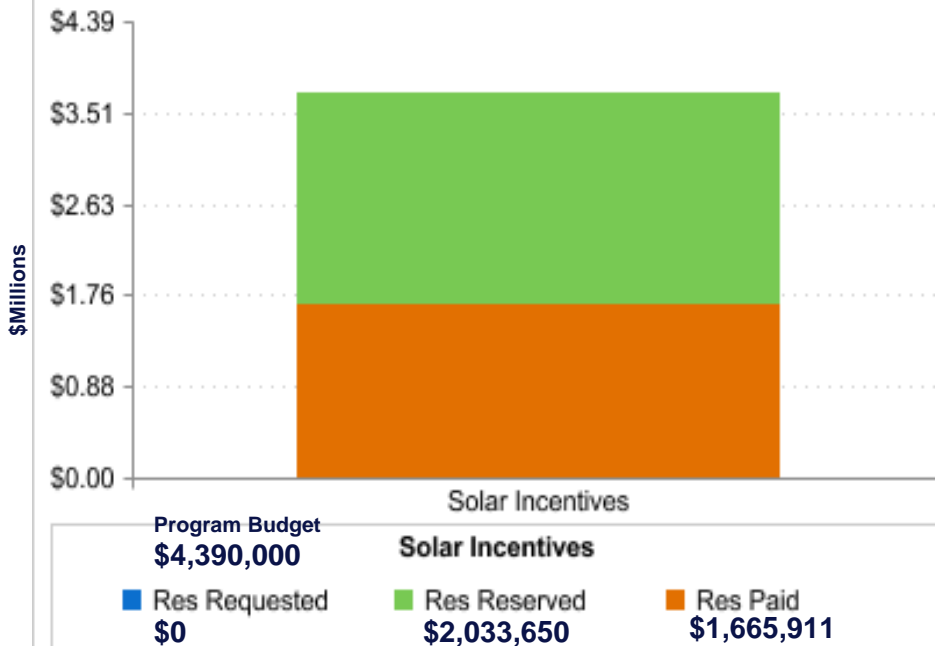
MW Savings Demand Response FY 2017



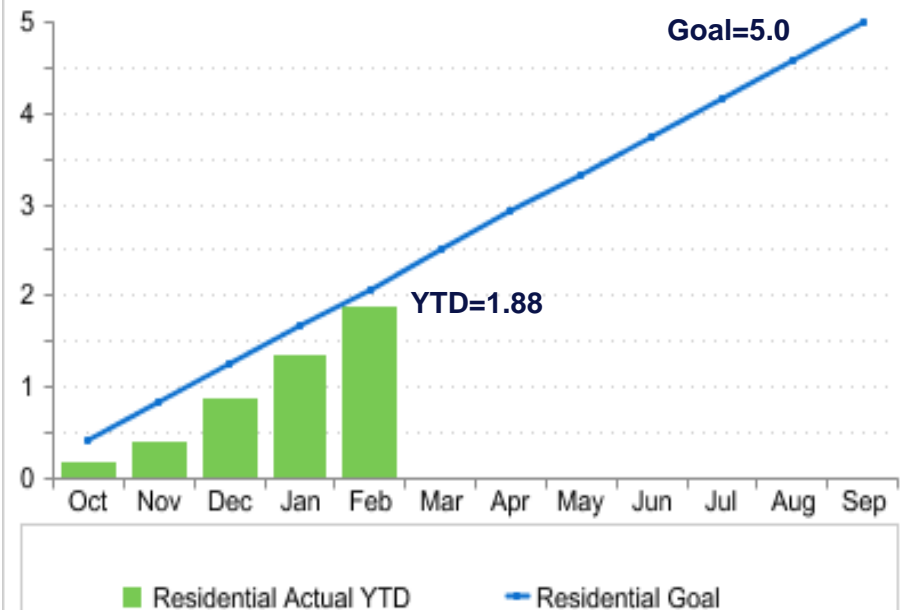


Solar Rebates & MW Tracking FY 2017 Oct-Feb

Solar Residential



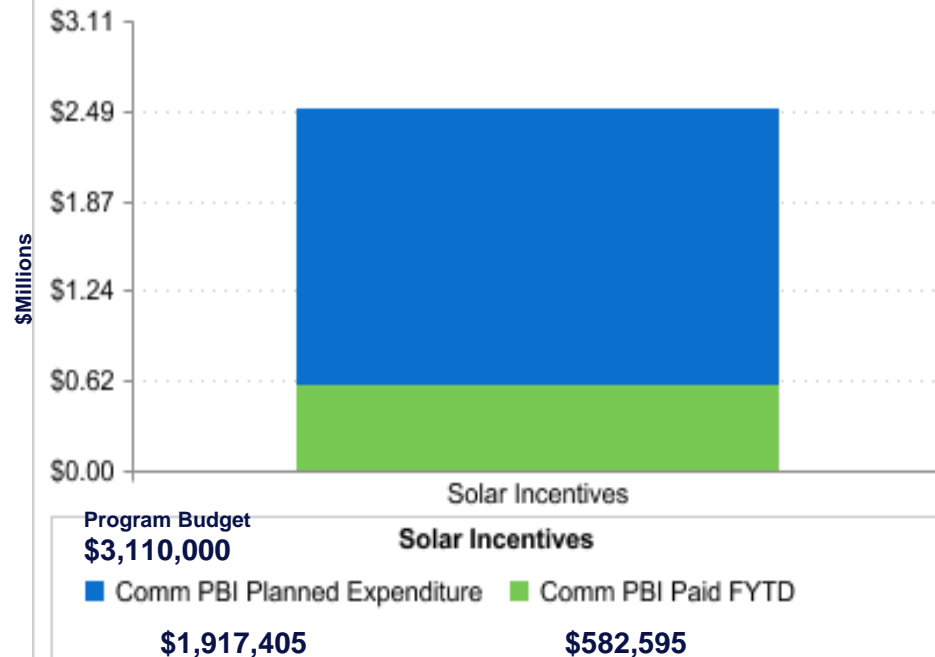
Solar MW Tracking Residential FY 2017



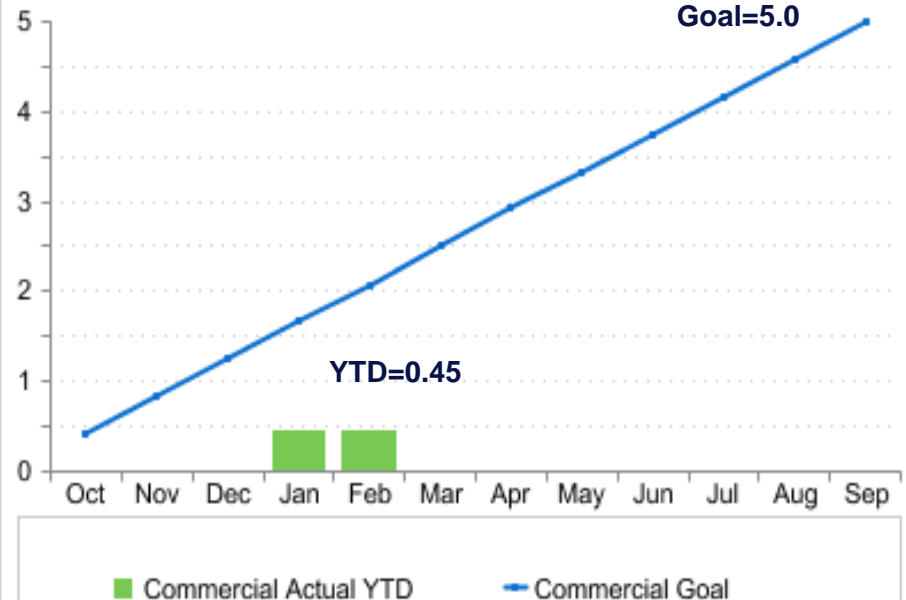


Solar Rebates & MW Tracking FY 2017 Oct-Feb

Solar Commercial

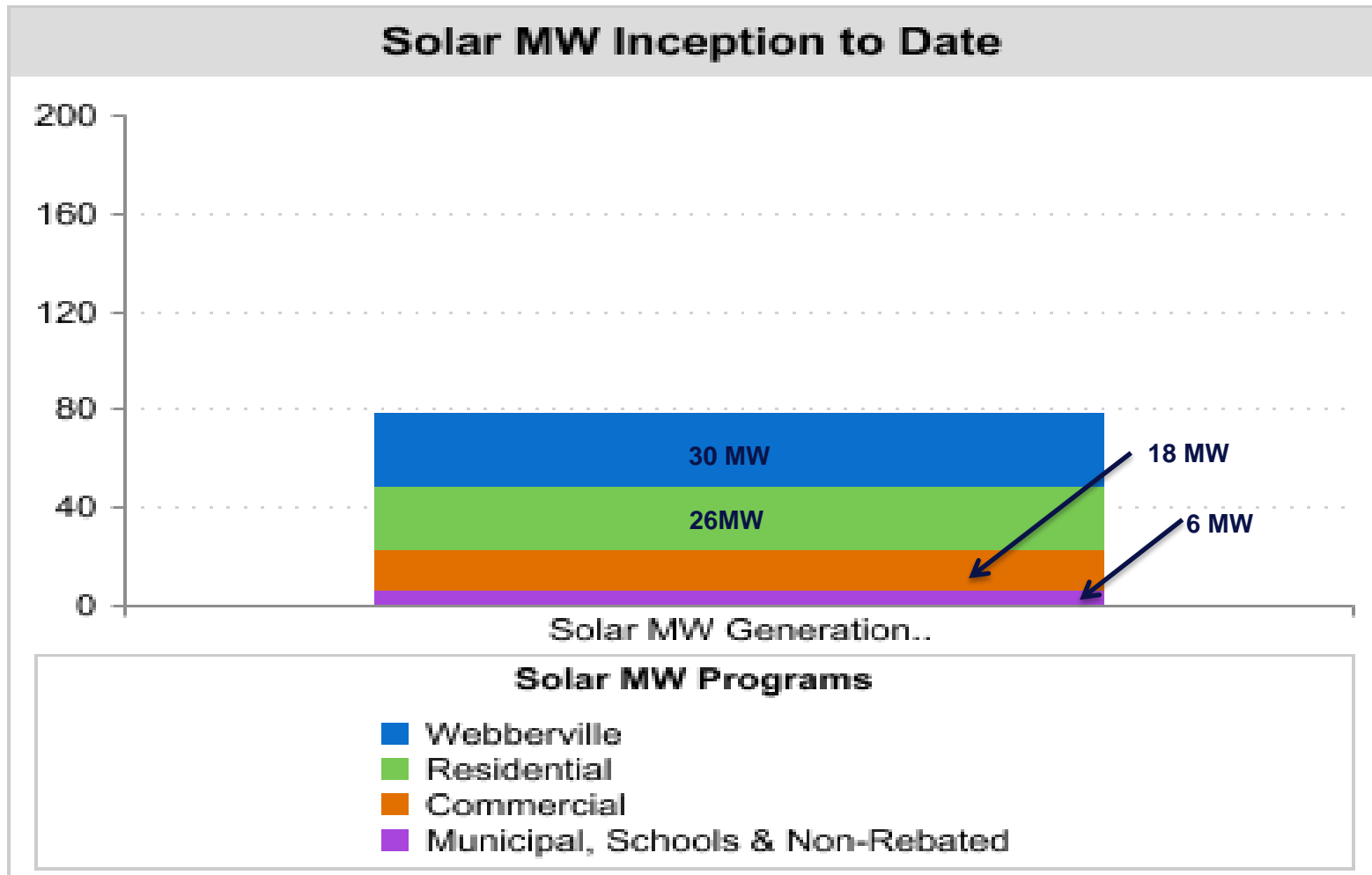


Solar MW Tracking Commercial FY 2017





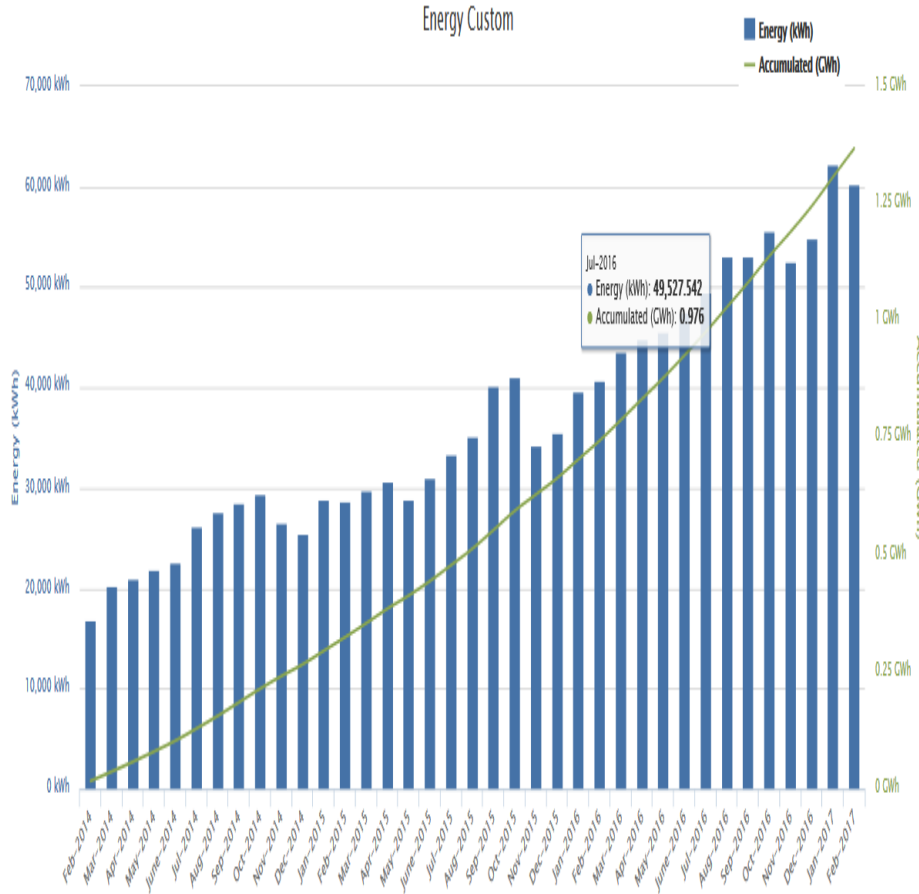
Solar MW Inception to Date as of Feb 2017





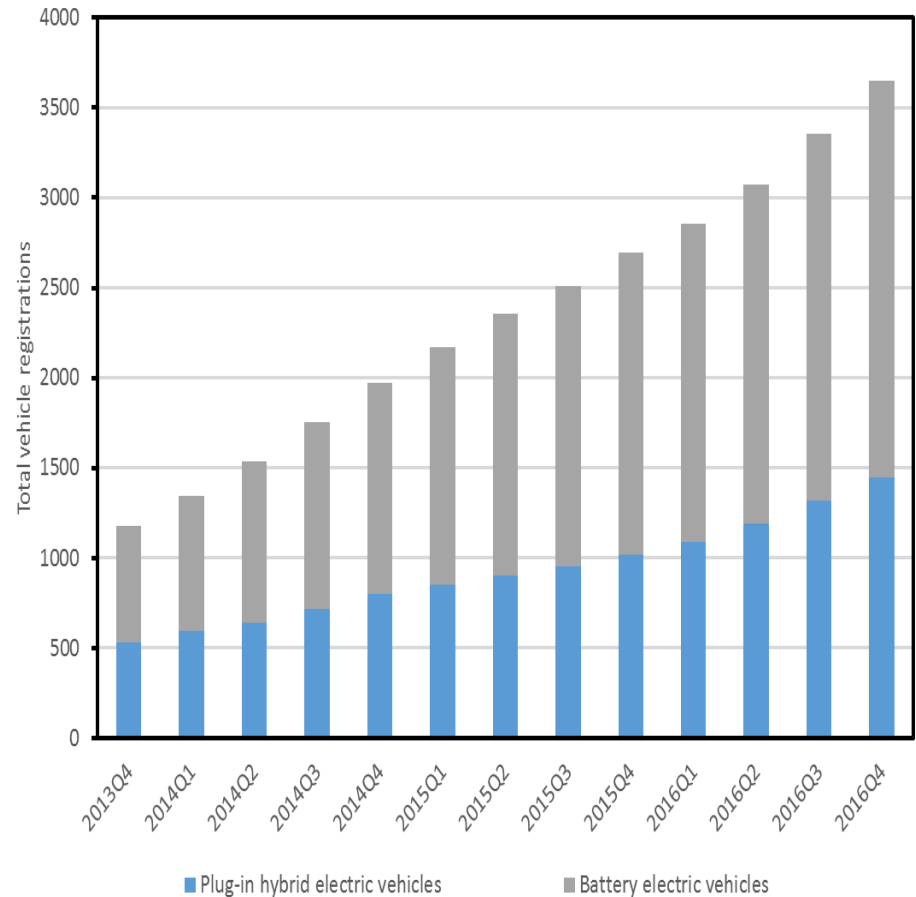
Electric Vehicles Charging & Adoption

**Plug-In EVerywhere kWh Charging
(Monthly, 3 year rolling)**



Public Charging: 1.596 GWh consumed through 219,879 charging sessions since program inception.

**Austin Area EV Consumer Adoption
(Quarterly, 3 Year Rolling)**

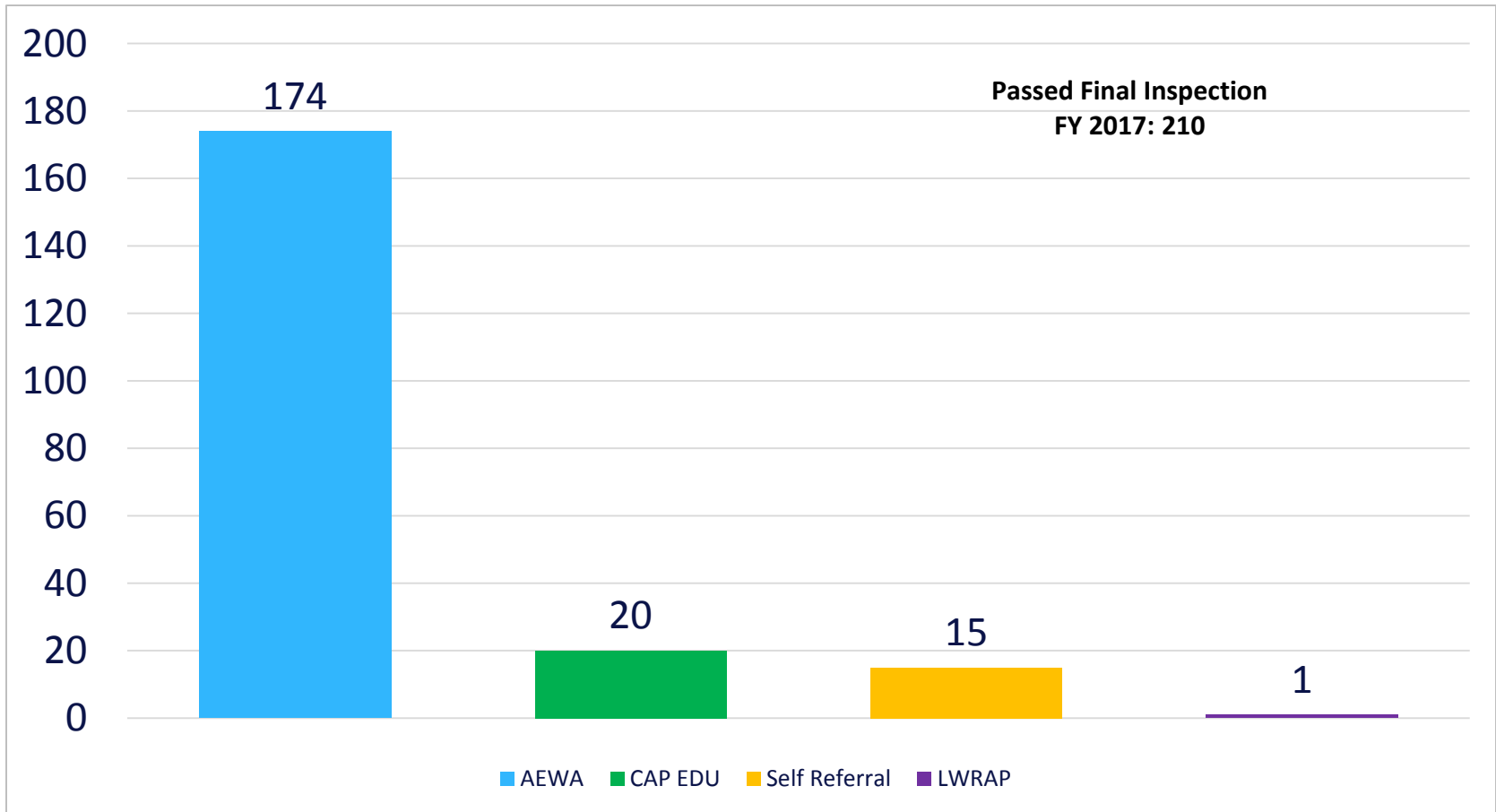


3,649 EVs consume approx. 10.9 GWh/year. *Data provided from EPRI for Travis and Williamson County.





Weatherization FY 2017 Oct-Feb



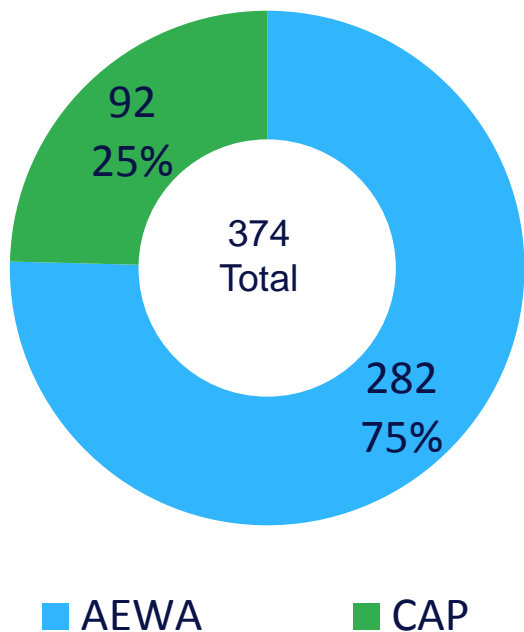
Self Referral = a customer who filled out an application for weatherization and is not a CAP customer

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



Weatherization FY 2017 Oct-Feb

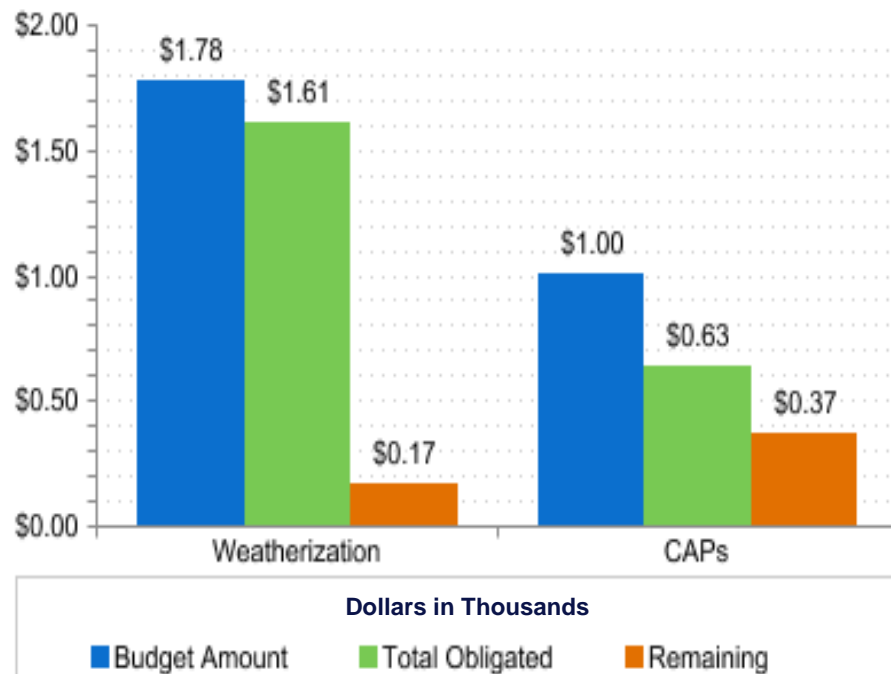
Homes in Current Weatherization Process



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 3/13/17

Weatherization/CAPs Budgets FY 2017



Source: eCombs: 3/06/16 & Encumbrances as of 3/13/17
Total Obligated=Spent + Encumbrance
Weatherization Spent=\$624,068 | Encumbrance=\$987,568
CAPs Spent=\$36,721 | Encumbrance=\$597,982





CES RMC SAVINGS REPORT

FY2017 Report
As of 02/28/2017

Residential	MW Goal	MW To Date	Percentage	Participant Type	Participants To Date	MWh To Date	Rebate Budget
EES- Appliance Efficiency Program	2.30	0.52	23%	Customers	733	1,443	\$ 1,200,000
EES- Home Performance ES - Rebate	2.50	0.35	14%	Customers	197	389	\$ 2,200,000
EES- Home Performance ES - Rebate and Loan	0.50	0.06	11%	Customers	31	61	\$ 140,000
EES- Weatherization Assistance & CAP WX	0.72	0.25	34%	Customers	260	284	\$ 2,777,000
EES-Direct Install Program				Houses			++
EES- Strategic Partnership Between Utilities and Retailers	1.00	0.86	86%	Products	175,187	5,691	\$ 900,000
EES- Multifamily	1.00	0.28	28%	Apt Units	1,044	336	\$ 2,500,000
EES- Multifamily Weatherization Assistance Program	3.00	0.83	28%	Apt Units	1,392	1,131	++
GB- Residential Ratings	0.54	0.13	24%	Customers	162	207	\$ -
GB- Residential Energy Code	8.70	4.14	48%	Customers	1,556	5,805	\$ -
Residential TOTAL	20.26	7.43	37%		5,375	15,347	\$ 9,717,000

Commercial	MW Goal	MW To Date	Percentage	Participant Type	Participants To Date	MWh To Date	Rebate Budget
EES- Commercial Rebate	10.05	1.70	17%	Customers	73	5,779	\$ 4,000,000
EES- Small Business	3.40	1.31	39%	Customers	171	4,552	\$ 2,160,000
EES- Municipal				Customers			\$ -
EES- Engineering Support				Projects			\$ -
EES/GB Commercial Projects	1.74	0.03	2%	Customers	3	90	\$ -
GB- Multifamily Ratings	0.44	0.66	150%	Dwellings	707	1,464	\$ -
GB- Multifamily Energy Code	2.65	0.74	28%	Dwellings	1,732	669	\$ -
GB- Commercial Ratings	0.85	1.28	151%	1,000 sf	1,517	6,157	\$ 306,000
GB- Commercial Energy Code	4.05	6.72	166%	1,000 sf	4,442	19,321	\$ -
Commercial TOTAL	23.18	12.45	54%		2,686	38,031	\$ 6,466,000

Demand Response (DR) - Annual Incremental	MW Goal	MW To Date	Percentage	Participant Type	Participants To Date	MWh To Date	Rebate Budget
DR- Power Partner (Residential)	4.50	2.38	53%	Customers	1,675	21	\$ 850,000
DR- Cycle Saver	1.50	0.17	12%	Customers	264	2	\$ -
DR- Power Partner (Comm & Muni)	1.48	0.04	3%	Customers	29	0.29	\$ 340,000
DR- Load Coop	2.80			Customers			\$ 400,000
DR- ERS (AE only)				Customers			\$ -
Demand Response (DR) TOTAL	10.28	2.59	25%		1,968	23	\$ 1,590,000

Thermal Energy Storage		MW To Date		Participant Type	Projects To Date		Rebate Budget
Domain Loop				Projects			\$ -
Central Loop				Projects			\$ -
Commercial	0.20			Projects			\$ 28,000
Thermal Energy Storage TOTAL	0.20						\$ 28,000

CES	MW Goal	MW To Date	Percentage	Participant Type	Participants To Date	MWh To Date	Rebate Budget
Grand TOTAL	53.92	22.47	42%		10,029	53,401	\$ 17,801,000

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

FY2017 Report
As of 02/28/2017

Solar Energy	MW Goal	MW To Date	Percentage	Participant Type	Participants To Date	MWh To Date	Incentive Budget
Residential	5.00	1.88	38%	Customers	322	3,166	\$ 4,390,000
Commercial	5.00	0.45	9%	Customers	6	843	\$ 3,110,000
Solar Water Heating				Customers			\$ -
Solar Energy TOTAL	10.00	2.32	23%		328	4,009	\$ 7,500,000

Low Income	UPDATE
Weatherization (Single Family and Multifamily)	<p>Single Family: In February, the weatherization team collaborated with the Customer Service Call Center for an outbound calling initiative. This outbound call event called 865 customers from 9am to 1pm on Saturday, February 25th. The weatherization team also sent letters to 1,200 customers informing them that they are eligible for weatherization services. The marketing team sent out 5,400 weatherization brochures to potential customers.</p> <p>Multifamily: These are the savings and rebates for the Multifamily weatherization proof of concept program. This program pays close to 100% of installed costs for weatherization measures in multifamily properties that meet the criteria for low income/affordable housing specified by the Low Income Consumer Advisory Task Force.</p>
Solar	
Green Building	In February, a 58 unit multifamily SMART housing development achieves a 4-Star rating and 15 of the 19 single family homes achieving an AE Green Building rating in the AE service area are in SMART housing developments. An additional 17 of the 32 single family homes achieving an AE Green Building rating outside of the AE service area are in SMART housing developments.

Low Income Program	Budget	Encumbrance as of 3/13/17	Spent To Date
EES Weatherization Assistance	\$ 1,777,000	\$ 987,568	\$ 624,068
CAP Weatherization	\$ 1,000,000	\$ 597,982	\$ 36,721

EES - LOAD COOP PROGRAM	No. of Applicants ²	Participants /Locations	Program Capacity ³	Maximum Event Performance ⁴
No. of Events			MW	MW
15	47	301	28.14	15.46
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 2015 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	No. of Devices	Program Capacity (MW)
Cycle Saver		*
Free Thermostat		**
Power Partner Thermostat	13,848	19.6
Emergency Response System (AE only)		16

Data is unaudited and rounded to 2 decimal points.
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Budget data source is eCOMBS.



CES RMC SAVINGS REPORT

FY2017 Report

As of 02/28/2017

Green Building Impacts	Units	Saved
Credited to Solar Energy	MW	0.01
Credited to Thermal Energy Storage	MW	0.26
Credited to Solar Energy	MWh	9.00
Natural gas	CCF	66,817
Building water	1,000 gal	12,368
Irrigation water	1,000 gal	27,723
Construction Waste diversion	Tons	14,874

EES/GB Water Savings	Gallons/yr. at 0.45 Gallon/kWh	24,030,536
Avoided power plant water consumption (evaporation only).		

EES Behavioral Programs	Units	Count
PSV Newsletter & Outreach	Participants	159
Residential App	Participants	16,898
Commercial App	Participants	1,673

Electric Vehicle Programs	Rebates	Spent To Date
Commercial Charging Stations		\$ 102,907
Residential Charging Stations	99	\$ 110,691
E-Ride	46	\$ 17,900

SPUR Program	Product Units	Retail Locations
60W LED Bulbs	98,011	26
40W LED Bulbs	9,979	23
Candelabra		21
BR30/Flood*	52,319	25
In-room a/c units		
Wi-Fi thermostats	Promotion Only	27
Heat Pump Water Heaters	Promotion Only	POP Only
Energy Star Refrigerators	41	3
Energy Star Freezers	23	3
Smart Strips		
Ceiling Fans		
Air Purifiers		9
Direct. Fixt. LED Kits	7,465	
Gap Fillers	5,301	6

NOTES:

Per notification from the program manager on 3/9/17, the November MW savings for GB-Commercial Rating should be 0.32 MW vs. 0.37 MW. The numbers were adjusted accordingly.

Per notification from the program manager on 3/9/17, the November MWH savings for GB-Commercial Ratings should be 2,539 MWH vs. 2,489 MWH. The numbers were adjusted accordingly.

Per notification from the program manager on 3/7/17, the January MW savings for GB-Commercial Rating should be 0.23 MW vs. 0.94 MW. The numbers were adjusted accordingly.

Per notification from the program manager on 3/7/17, the January MWH savings for GB-Commercial Rating should be 389 MWH vs. 4,696 MWH. The numbers were adjusted accordingly.

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

Per notification from the program manager on 12-5-16, the Commercial MW goals were updated as follows: EES-Commercial Rebate changed from 11.45 to 10.05, EES-Small Business changed from 2.20 to 3.40, EES-Multifamily changed from 3.80 to 4.00, and EES/GB Commercial Projects changed from 2.50 to 1.74.

SPUR numbers are unaudited and are updated quarterly.

Total commercial participation does not include GB commercial square foot.

GB - Commercial Energy Code savings obtained from large and small Hotels. The deemed savings for hotels is new and is based on DOE prototype models modified for Austin.

Similarly, the October through April reconciliation for 4 and 5 star rated homes produced an additional 33 MWh savings which was added to the May savings of 55 MWh for a reported total of 88 MWh.

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

Low Income weatherization budgets do not include FY16 rollover until officially approved by Council.

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

**Free thermostats were not adjusted in FY16 for attrition.

++Budgets are maintained within other residential programs and tracked outside of comb.

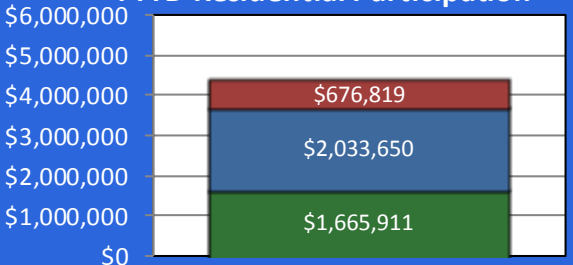
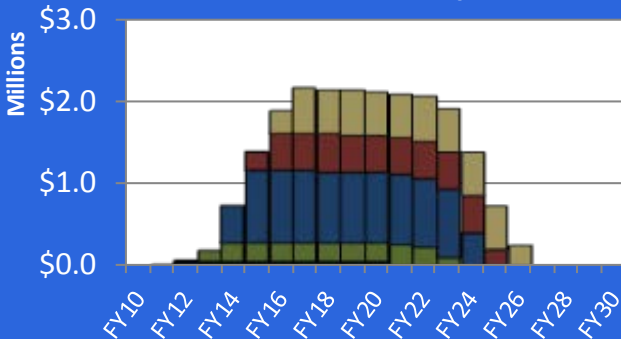
Goals and savings are calculated to included T&D line losses and spinning reserves.

Data is unaudited and rounded to 2 decimal points.

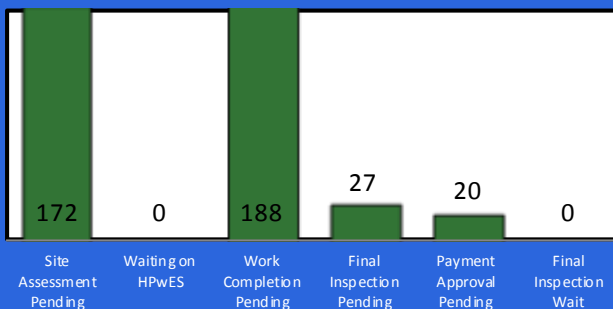
Program data is provided by individual Programs.

Budget data source is eCOMBS.

Solar PV Incentive Program February FY17 Participation Report

LOI Issued #	Month	FYTD	ITD	FY Forecast	% of FY Forecast
Residential	99	442	5916	850	52%
Commercial	6	22	242	85	26%
LOI Committed \$	Month	FYTD	Reserved		
Residential	\$438,706	\$2,165,987	\$2,033,650	\$5,000,000	43%
Commercial (Estimated Annual PBI Payments)	\$64,497	\$151,285	\$145,416	\$1,000,000	15%
LOI Committed kW-AC	Month	FYTD	Reserved		
Residential	543	2591	2454	NA	NA
Commercial PBI	519	1214	1170	NA	NA
Projects Completed #	Month	FYTD	ITD		
Residential	88	322	5,635	750	43%
Commercial PBI	0	6	217	60	10%
Commercial CBI	0	0	101	0	NA
Projects Completed \$	Month	FYTD	ITD		
Residential Rebates	\$438,814	\$1,665,911	\$55,084,276	\$5,000,000	33%
Commercial PBI Paid	\$125,360	\$582,595	\$4,574,307	\$2,500,000	23%
Commercial CBI	\$0	\$0	\$6,143,408	\$0	NA
Projects Complete kW-AC	Month	FYTD	ITD		
Residential	523	1,876	25,531	5,000	38%
Commercial PBI	0	445	13,789	5,000	9%
Commercial CBI	0	0	1,099	0	NA
Total kW AC	523	2,321	40,419	10,000	23%
Projects Completed kWh/yr	Month	FYTD	ITD		
Residential	883,965	3,167,524	43,019,881	8,450,000	37%
Commercial	0	727,946	25,015,107	8,450,000	9%
Total kWh	883,965	3,895,470	68,034,988	16,900,000	23%
Applications Submitted That Have Not Received LOIs	Current	FYTD Residential Participation 			
# of Residential	182				
Res Requested Rebate \$	\$676,819				
Res Requested Capacity kW-ac	835				
# of Commercial	8				
Com Requested Rebate \$ (Estimated Annual PBI Payments)	\$19,864				
Com Capacity kW-ac	282				
Monthly Modeling					
Projected Total PBI FY17 Exposure (Modeled \$/Annual)	\$2,500,000				
Modeled kWh Production- Res	3,945,692				
Modeled kWh Production - Com	1,961,164				

Residential - Application Status



PBI Modeled FY Expenditure

