

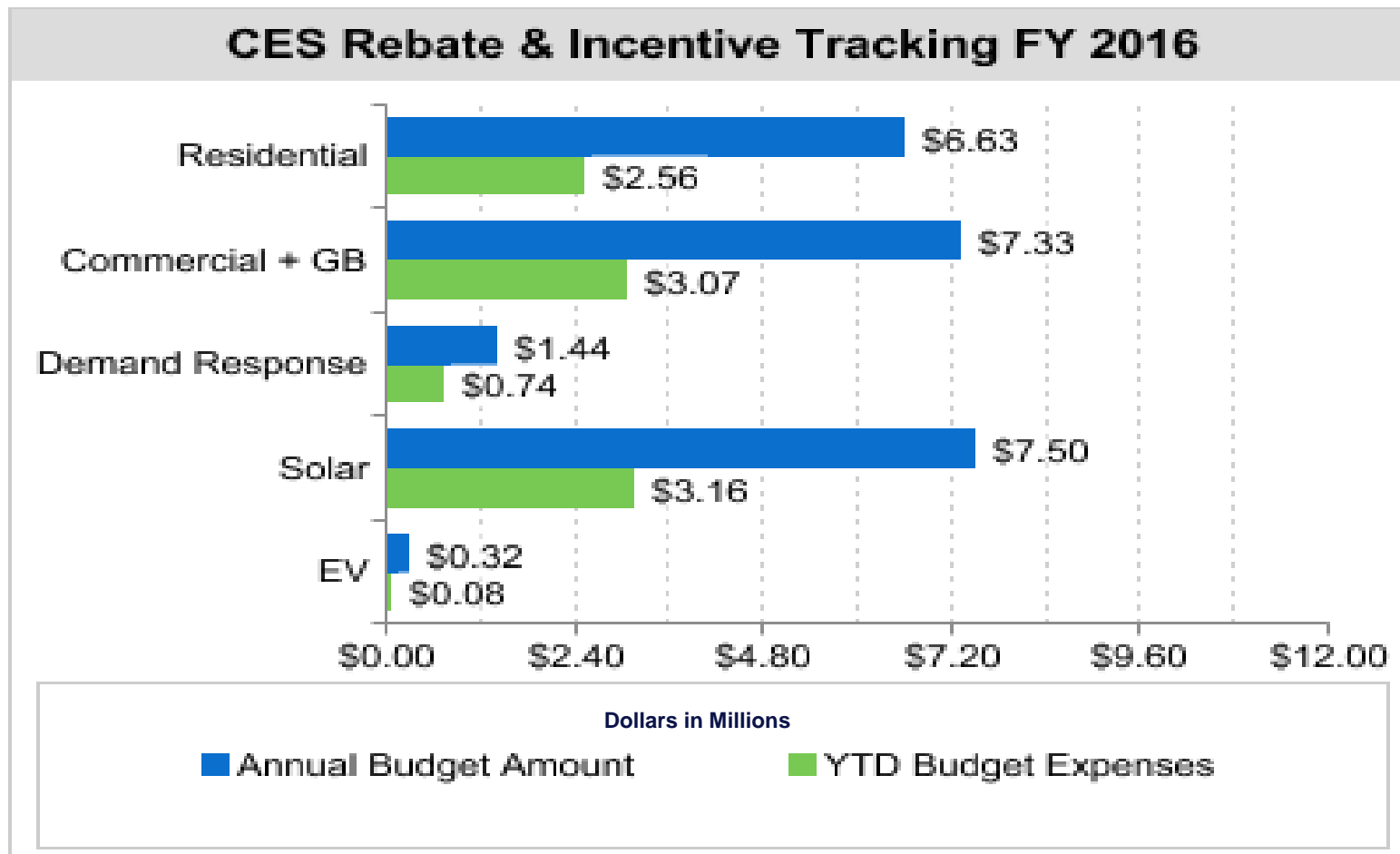
# Customer Energy Solutions

## Program Update as of March 31, 2016





# CES Rebate & Incentive Tracking FY 2016 Oct-Mar



Source:

RMC Report as of 4/12/16

eCombs as of 4/12/16 Based on unaudited numbers

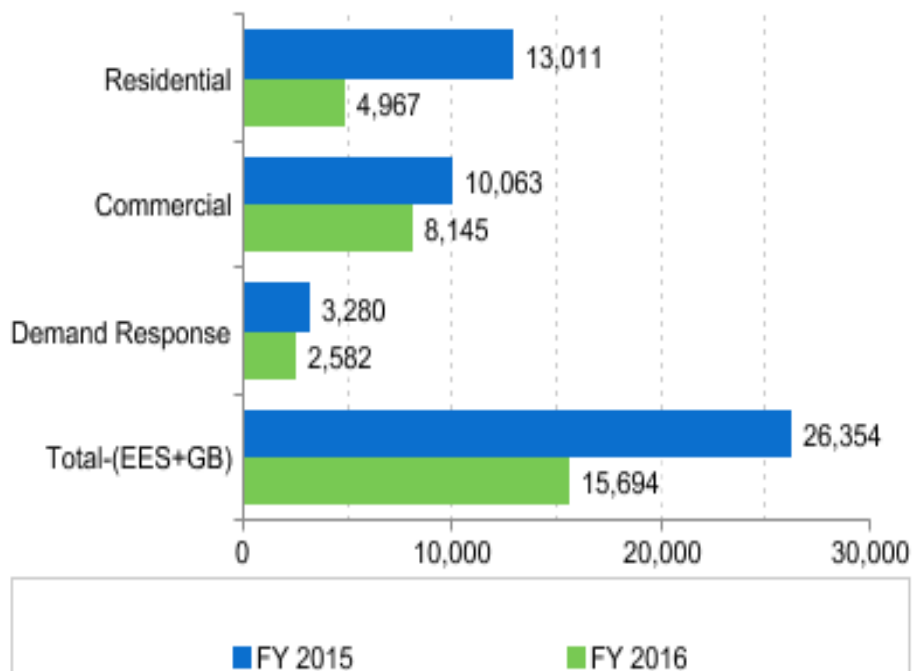
Solar Monthly Report as of 4/1/16



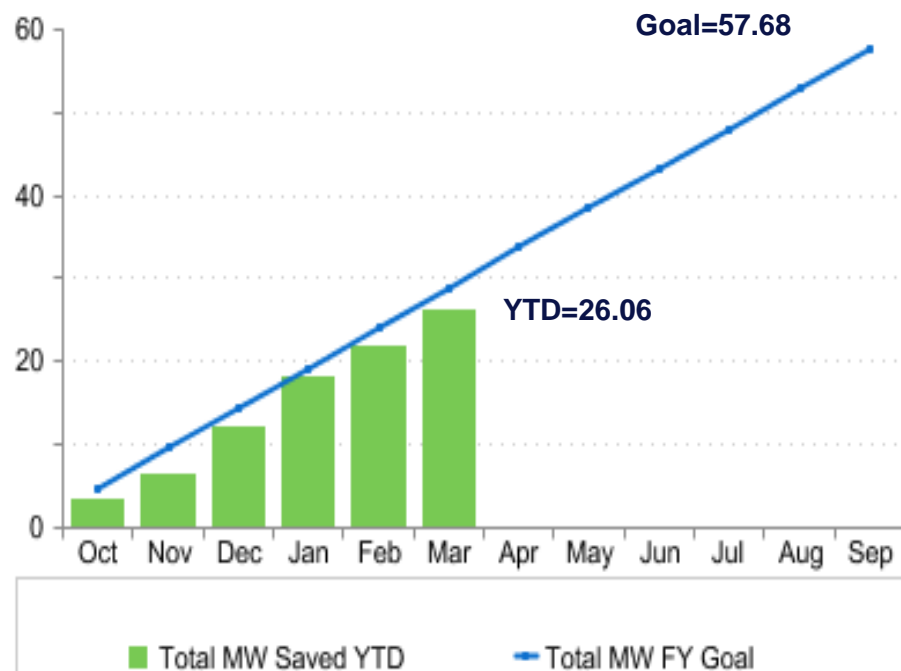


# Participation & MW Savings FY 2016 Oct-Mar

## Overall Participation

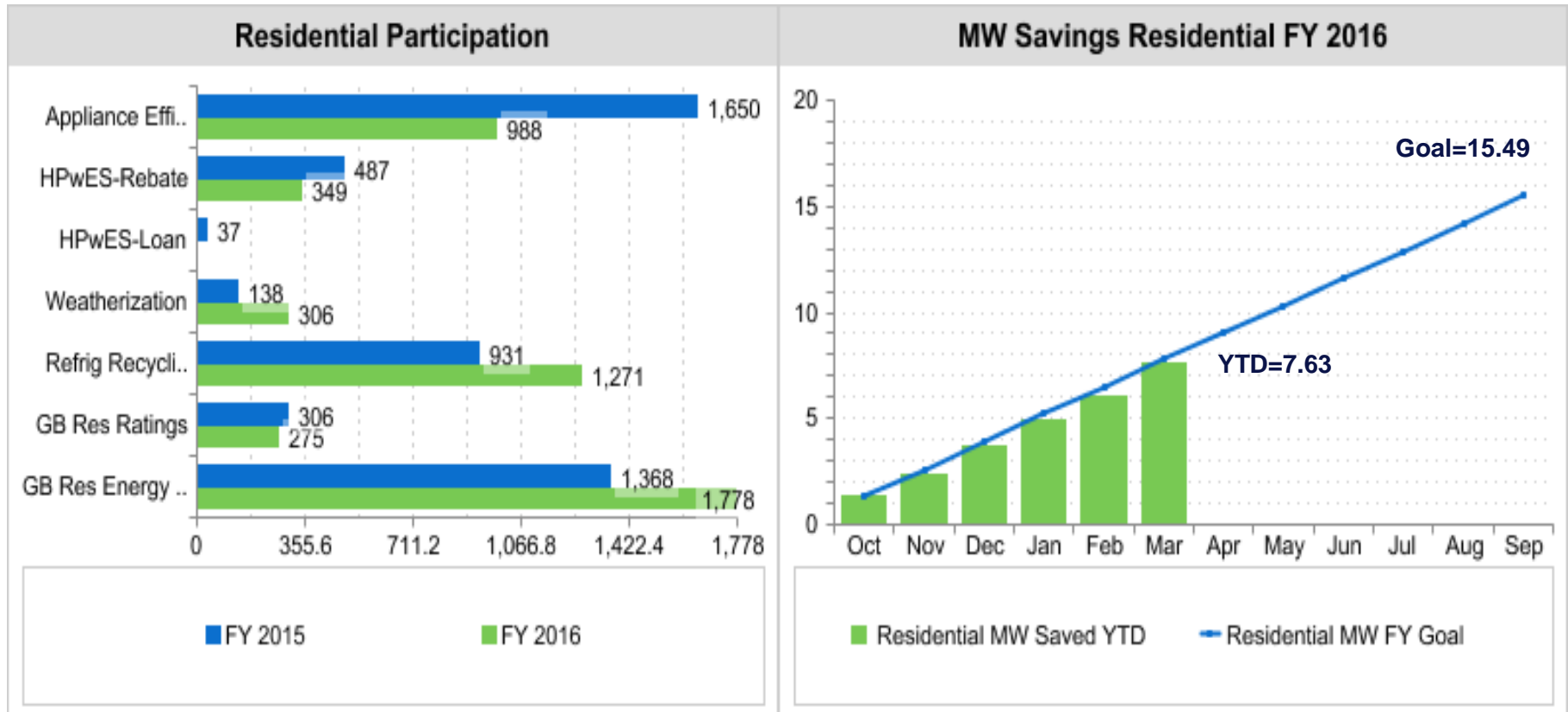


## Total MW Savings FY 2016





# Participation & MW Savings FY 2016 Oct-Mar

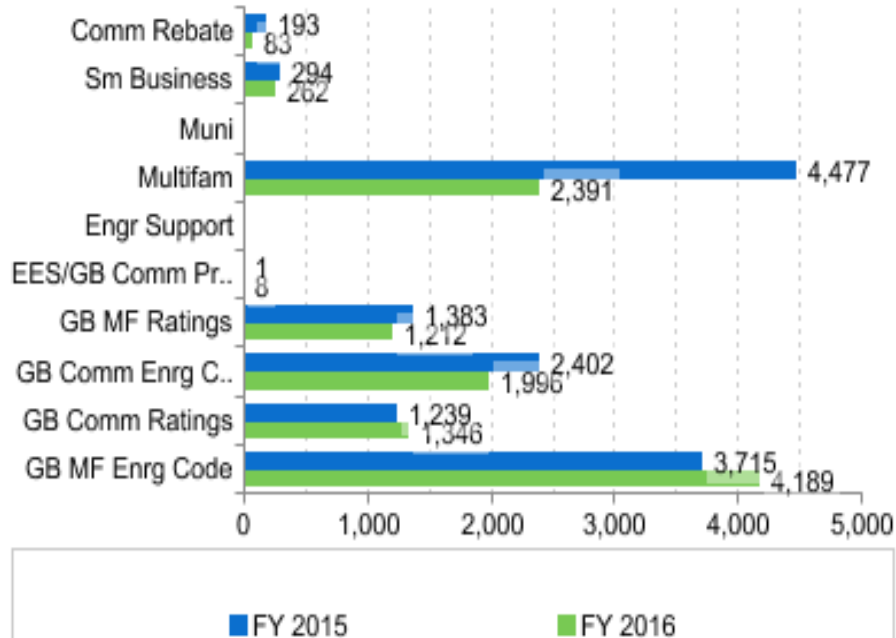


Residential SPUR-Lighting-Bulbs FY 2016=116,662  
FY 2015=8,094

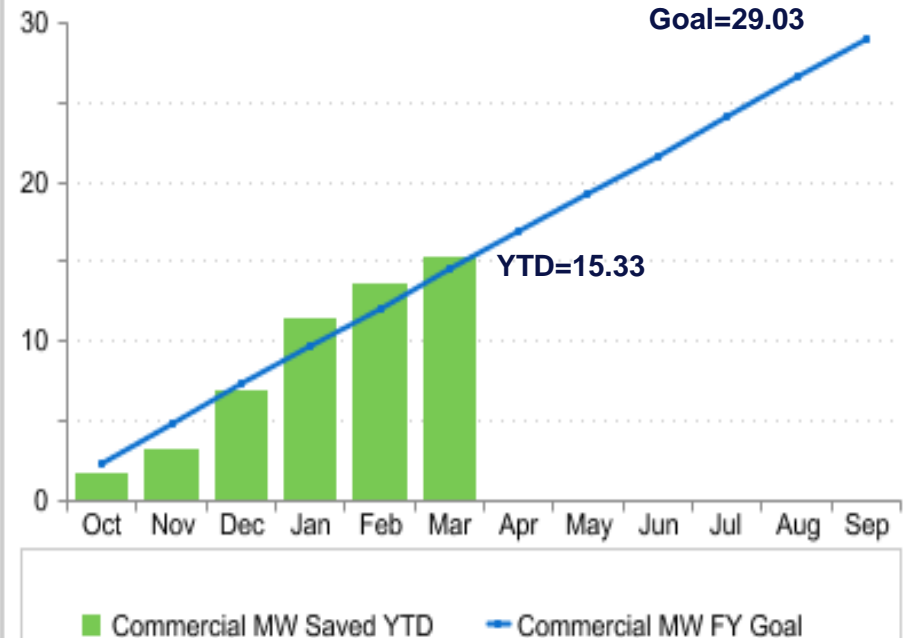


# Participation & MW Savings FY 2016 Oct-Mar

## Commercial Participation



## MW Savings Commercial FY 2016



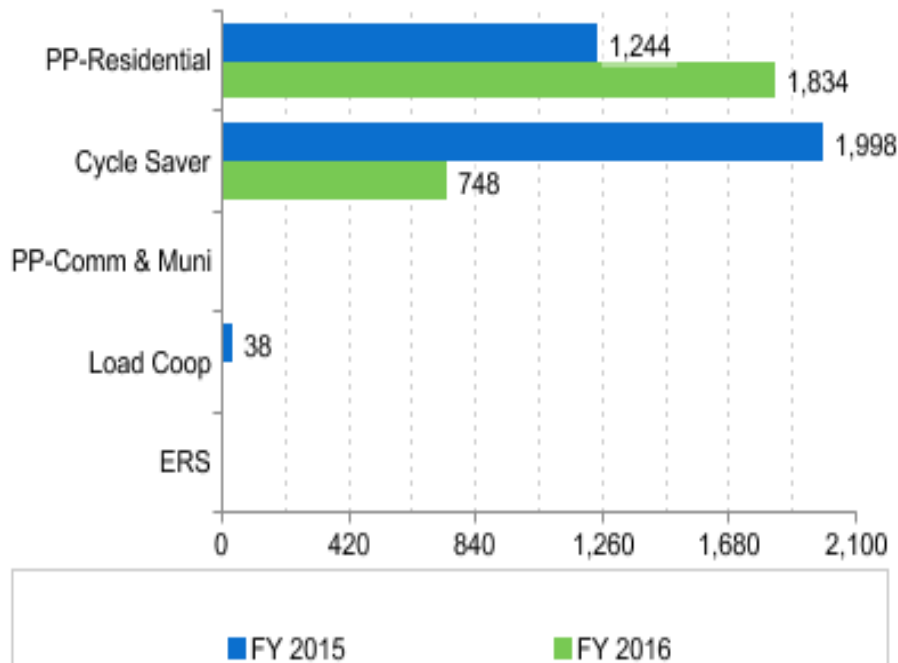
GB(Green Building) Commercial Ratings and GB Energy Code participation is in "1000's square feet"  
GB MF(Multi Family) Energy Code participation is in number of dwelling units

Commercial + Thermal Energy Storage  
Commercial Goal=28.99  
Thermal Energy Storage Goal=0.43

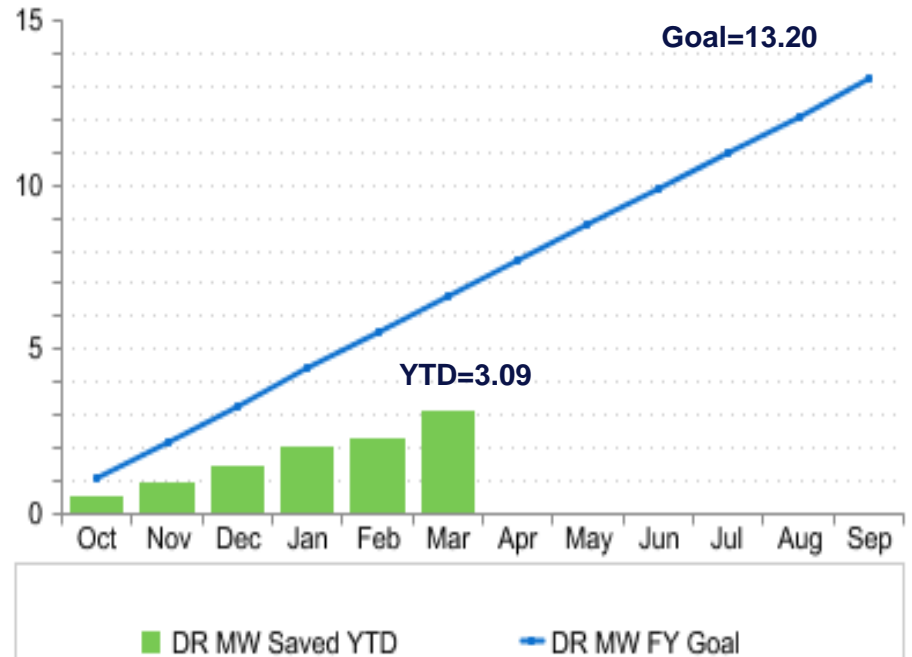


# Participation & MW Savings FY 2016 Oct-Mar

## Demand Response Participation



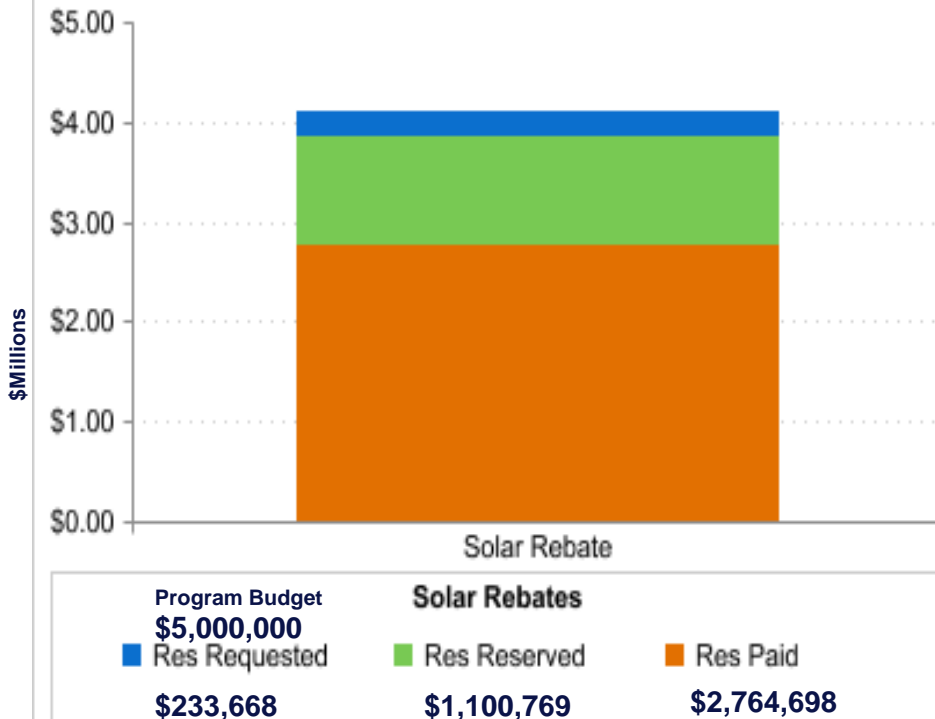
## MW Savings Demand Response FY 2016





# Solar Rebates & MW Tracking FY 2016 Oct-Mar

## Solar Residential



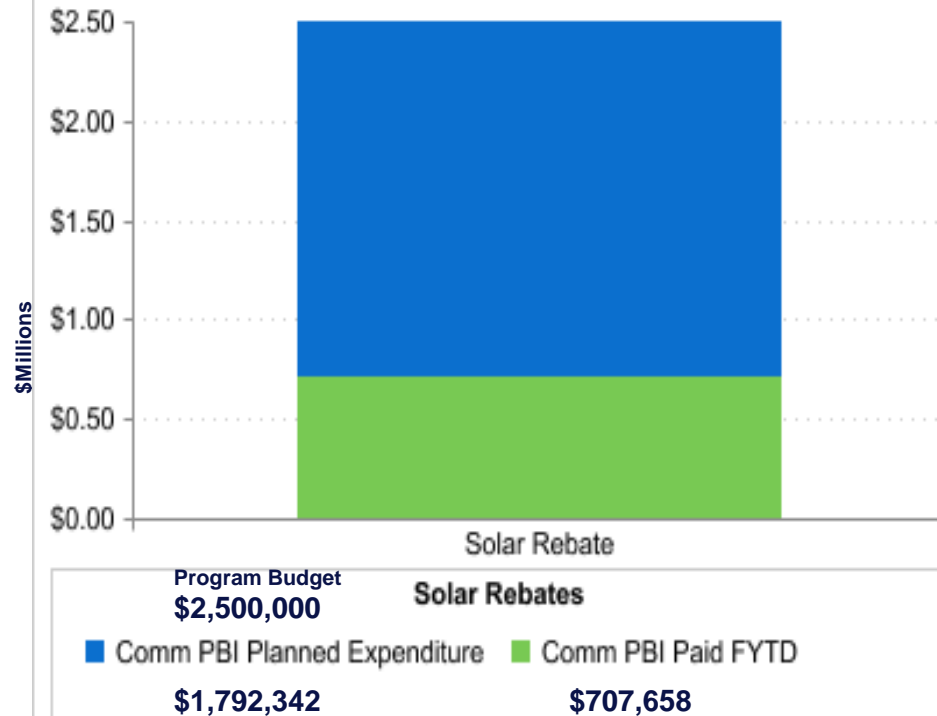
## Solar MW Tracking Residential FY 2016





# Solar Rebates & MW Tracking FY 2016 Oct-Mar

Solar Commercial



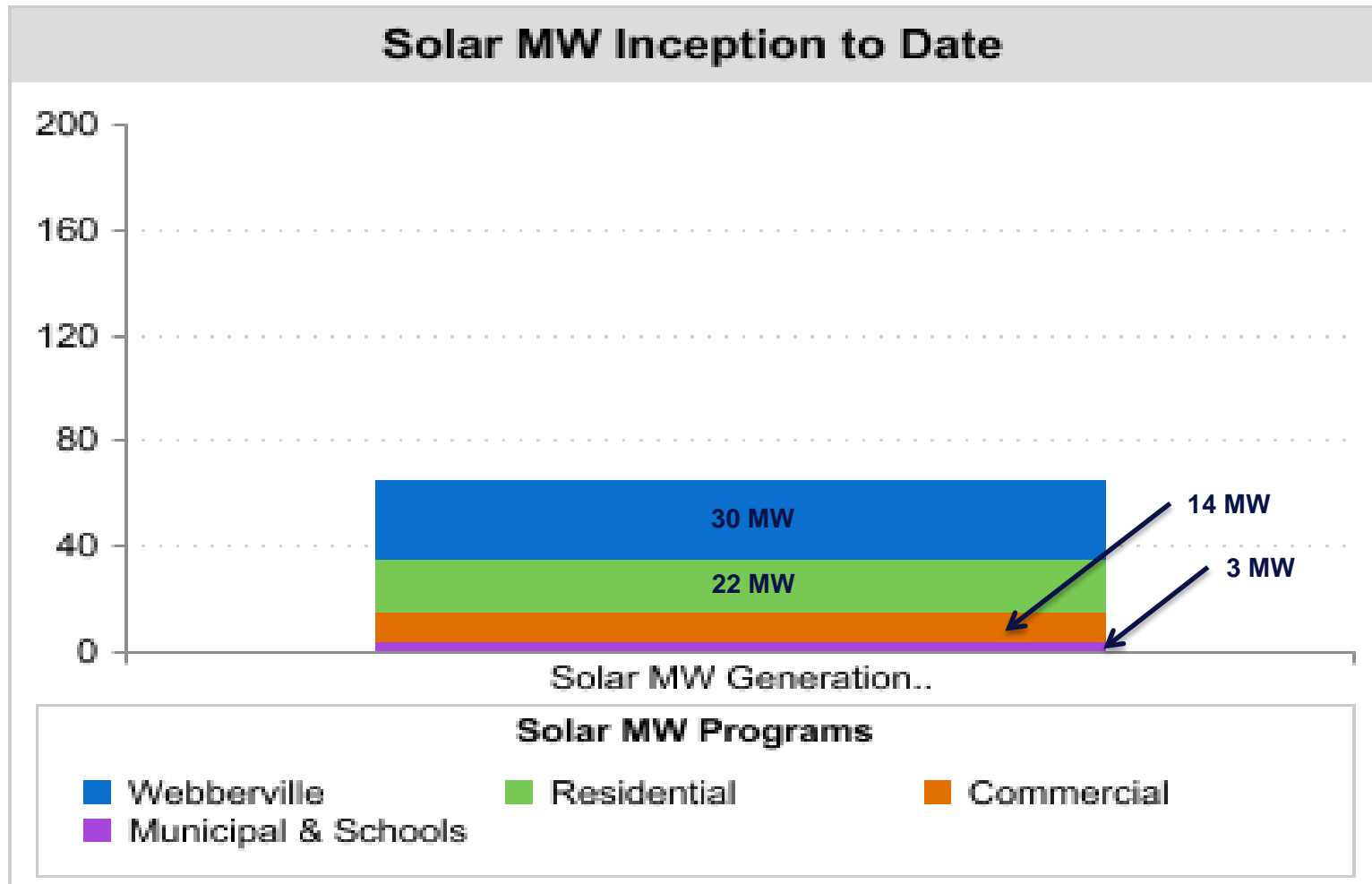
Solar MW Tracking Commercial FY 2016





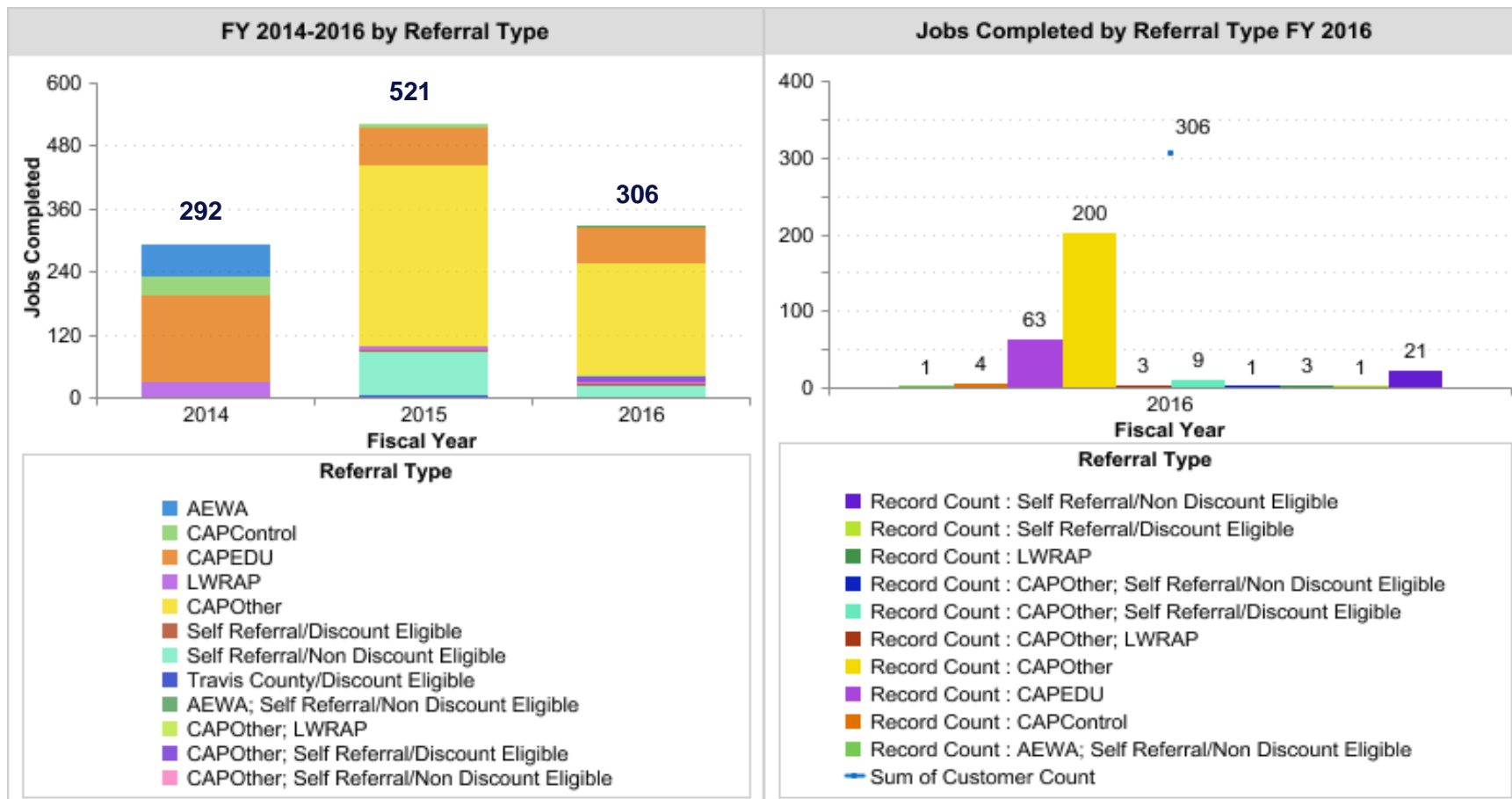


# Solar MW Inception to Date as of Mar 2015





# Weatherization FY 2016 Oct-Mar

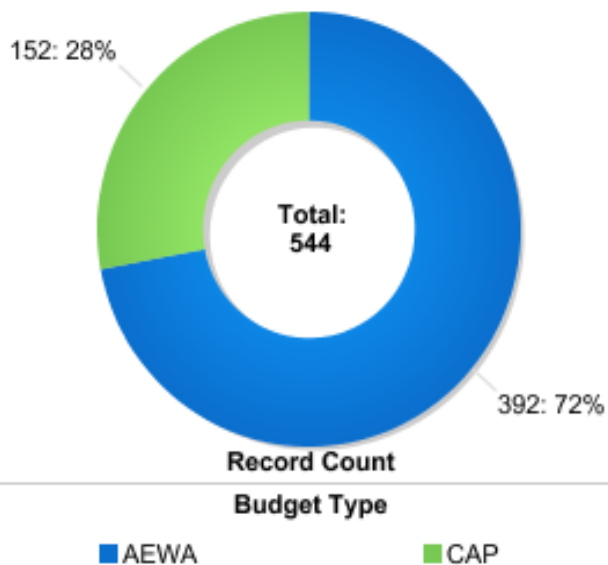


**Self-Referral/ Non Discount Eligible = a customer who filled out an application for weatherization and is not a CAP customer**



# Weatherization FY 2016 Oct-Mar

Homes in Current Weatherization Process

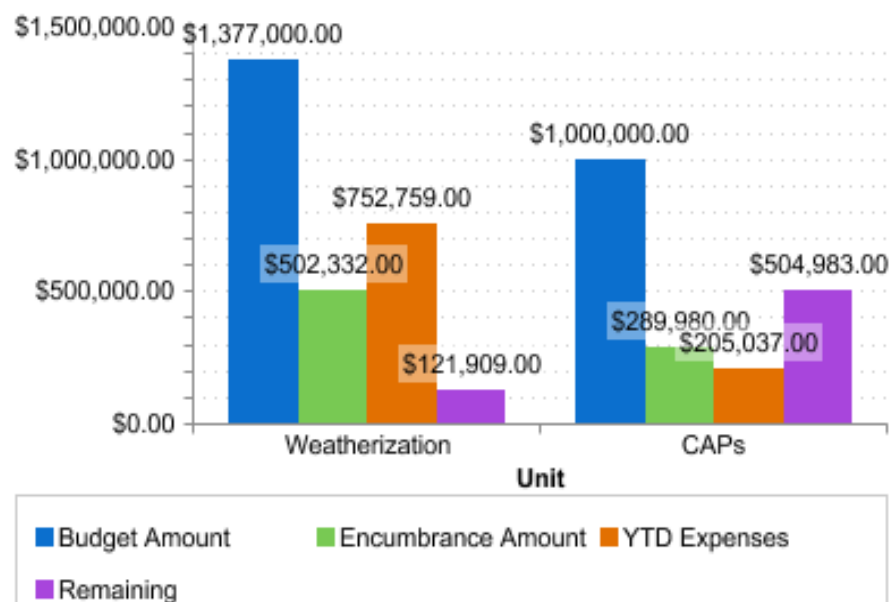


AEWA=Austin Energy Weatherization  
CAP=Customer Assistant Program

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 4/12/16

Weatherization/CAPs Budgets FY 2016



Source: eCombs as of 4/12/16 Based on unaudited numbers



# CES RMC SAVINGS REPORT

## FY2016 Report

### As of 03/31/2016

Residential	MW Goal	MW To Date	Percentage	Participant Type	Participants To Date	MWh To Date	Rebate Budget	Spent (Current Month)
EES- Appliance Efficiency Program	2.00	0.70	35%	Customers	988	1,944	\$ 700,000	\$ 491,425
EES- Home Performance ES - Rebate	3.00	0.63	21%	Customers	349	689	\$ 2,300,000	\$ 562,228
EES- Home Performance ES - Loan	0.10			Customers			\$ 100,000	\$ 196
EES- Weatherization Assistance & CAP WX	0.62	0.31	50%	Customers	306	360	\$ 2,377,000	\$ 957,796
EES- Refrigerator Recycling	0.32	0.15	47%	Customers	1,271	422	\$ 250,000	\$ 196,213
EES- Strategic Partnership Between Utilities and Retailers	1.00	0.44	44%	Products	116,662	2,340	\$ -	\$ 351,838
GB- Residential Ratings	0.52	0.19	37%	Customers	275	359	\$ -	\$ -
GB- Residential Energy Code	7.92	5.20	66%	Customers	1,778	6,675	\$ -	\$ -
<b>Residential TOTAL</b>	<b>15.49</b>	<b>7.63</b>	<b>49%</b>		<b>4,967</b>	<b>12,788</b>	<b>\$ 5,727,000</b>	<b>\$ 2,559,696</b>
Commercial	MW Goal	MW To Date	Percentage	Participant Type	Participants To Date	MWh To Date	Rebate Budget	Spent (Current Month)
EES- Commercial Rebate	13.00	3.38	26%	Customers	83	16,766	\$ 2,700,000	\$ 1,172,482
EES- Small Business	2.87	2.13	74%	Customers	262	6,034	\$ 2,500,000	\$ 1,318,273
EES- Municipal				Customers			\$ -	\$ -
EES- Multifamily	3.50	1.13	32%	Apt Units	2,391	2,521	\$ 1,800,000	\$ 573,109
EES- Engineering Support				Projects			\$ -	\$ -
EES/GB Commercial Projects	1.00	0.39	39%	Customers	8	1,976	\$ -	\$ -
GB- Multifamily Ratings	0.84	0.46	54%	Dwellings	1,212	1,495	\$ -	\$ -
GB- Multifamily Energy Code	1.95	3.65	188%	Dwellings	4,189	5,611	\$ -	\$ -
GB- Commercial Ratings	1.24	0.76	61%	1,000 sf	1,346	1,320	\$ 2,847,745	\$ 9,566
GB- Commercial Energy Code	4.59	3.44	75%	1,000 sf	1,996	9,298	\$ -	\$ -
<b>Commercial TOTAL</b>	<b>28.99</b>	<b>15.33</b>	<b>53%</b>		<b>8,145</b>	<b>45,021</b>	<b>\$ 9,868,745</b>	<b>\$ 3,073,430</b>
Demand Response (DR) - Annual Incremental	MW Goal	MW To Date	Percentage	Participant Type	Participants To Date	MWh To Date	Rebate Budget	Spent (Current Month)
DR- Power Partner (Residential)	4.50	2.61	58%	Customers	1,834	23	\$ 700,000	\$ 468,188
DR- Cycle Saver	1.50	0.48	32%	Customers	748	4	\$ -	\$ -
DR- Power Partner (Comm & Muni)	1.20			Customers			\$ 140,000	\$ 27,659
DR- Load Coop	4.00			Customers			\$ 600,000	\$ 248,592
DR- ERS (AE only)	2.00			Customers			\$ -	\$ -
<b>Demand Response (DR) TOTAL</b>	<b>13.20</b>	<b>3.09</b>	<b>23%</b>		<b>2,582</b>	<b>28</b>	<b>\$ 1,440,000</b>	<b>\$ 744,439</b>
Thermal Energy Storage		MW To Date		Participant Type	Projects To Date		Rebate Budget	Spent To Date
Domain Loop				Projects			\$ -	\$ -
Central Loop				Projects			\$ -	\$ -
Commercial	0.43			Projects			\$ 21,000	\$ -
<b>Thermal Energy Storage TOTAL</b>	<b>0.43</b>						<b>\$ 21,000</b>	<b>\$ -</b>
CES	MW Goal	MW To Date	Percentage	Participant Type	Participants To Date	MWh To Date	Rebate Budget	Spent (Current Month)
<b>Grand TOTAL</b>	<b>57.68</b>	<b>26.06</b>	<b>45%</b>		<b>15,694</b>	<b>57,837</b>	<b>\$ 17,056,745</b>	<b>\$ 6,377,565</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

## FY2016 Report

### As of 03/31/2016

Solar Energy	MW Goal	MW To Date	Percentage	Participant Type	Participants To Date	MWh To Date	Incentive Budget	Spent (Current Month)
Residential	5.00	2.50	50%	Customers	562	5,166	\$ 5,000,000	\$ 2,721,336
Commercial	5.00	1.25	25%	Customers	18	2,156	\$ 2,500,000	\$ 436,776
Solar Water Heating				Customers			\$ -	\$ -
<b>Solar Energy TOTAL</b>	<b>10.00</b>	<b>3.74</b>	<b>37%</b>		<b>580</b>	<b>7,322</b>	<b>\$ 7,500,000</b>	<b>\$ 3,158,112</b>

Low Income	UPDATE
Weatherization	Weatherization for 327 low income homes has been completed year to date (as of April 13, 2016). Weatherization for 161 low-income homes is in progress (as of April 13, 2016). Total Homes affected by weatherization, year to date, is 488 (as of April 13, 2016).
Solar	
Green Building	In March, 33 of the 58 Green Building rated homes were in S.M.A.R.T. Housing developments.

Low Income Program	Budget	Encumbrance as of 04/12/16	Spent To Date
EES Weatherization Assistance	\$ 1,377,000	\$ 502,332	\$ 752,759
CAP Weatherization	\$ 1,000,000	\$ 289,980	\$ 205,037

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

<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 2015 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	No. of Devices	Program Capacity (MW)
Cycle Saver		
Free Thermostat		
Power Partner Thermostat		
Emergency Response System (AE only)		

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

## FY2016 Report

### As of 03/31/2016

Green Building Impacts	Units	Saved
Credited to EES rebates	MW	83.40
Credited to Solar Energy	MW	2.05
Credited to Thermal Energy Storage	MWh	138.00
Credited to EES rebates	CCF	211,370
Credited to Solar Energy	1,000 gal	12,684
Natural gas	1,000 gal	6,503
Building water	Tons	12,493
Irrigation water		
Construction Waste diversion		

<b>EES/GB Water Savings</b>	Gallons/yr. at 0.45 Gallon/kWh	26,026,575
Avoided power plant water consumption (evaporation only).		

EES Behavioral Programs	Units	Count
PSV Newsletter & Outreach	Participants	4,933
Residential App	Participants	13,874
Commercial App	Participants	1,337

Electric Vehicle Programs	Rebates	Spent To Date
Commercial Charging Stations		\$ 4,700
Residential Charging Stations	44	\$ 45,178
E-Ride	27	\$ 7,150

SPUR Program	Product Units	Retail Locations
60W LED Bulbs	86,097	31
40W LED Bulbs	11,318	23
Candelabra		
BR30/Flood	19,247	
In-room a/c units		1
Wi-Fi thermostats	Promotion Only	22
Heat Pump Water Heaters	Promotion Only	
Energy Star Refrigerators		2
Energy Star Freezers		2
Smart Strips		
Ceiling Fans		
Air Purifiers		2

#### NOTES:

Annual totals are adjusted for corrections in prior months.

Source of financial data for energy efficiency programs is the utility financial reporting system.

Source of financial data for solar is the Solar team tracking system for long-range planning and is validated at year-end.

EES Free Weatherization is the sum of actuals spent of both EES and CAP funding. No CAP funds were expended on non CAP projects.

Budget tracking for EES Weatherization and CAP Weatherization is based on spent to date plus encumbrances. Unspent carryover from FY15 pending finalization from AE Finance.

FY15 Weatherization totals will be adjusted include jobs started and encumbered in FY15 and completed in FY16. October FY16 totals will be adjusted to avoid double counting.

Residential participant counts do not include number of bulbs.

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.

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

SPUR numbers are unaudited and are updated quarterly.

Data is unaudited and rounded to 2 decimal points.

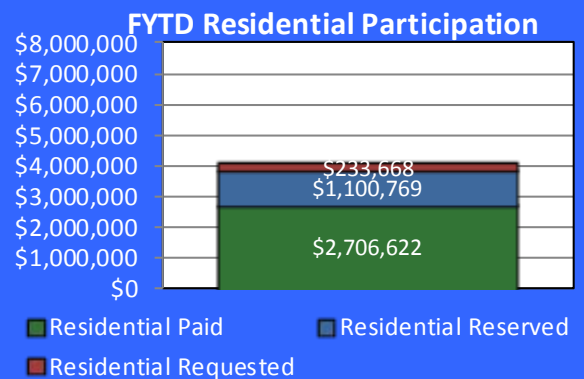
Program data is provided by individual Programs.

Budget data source is eCOMBS.

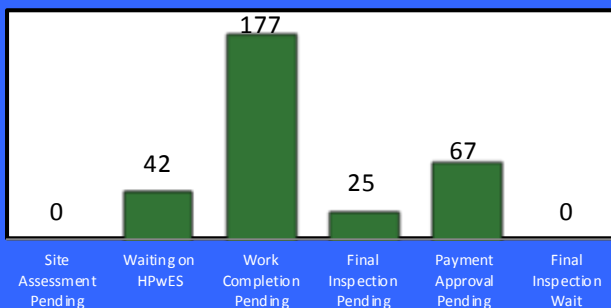
## Solar PV Incentive Program March FY16 Participation Report

LOI Issued #	Month	FYTD	ITD	FY Forecast	% of FY Forecast
Residential	67	442	262	850	52%
Commercial	1	34	40	85	40%
<b>LOI Committed \$</b>	<b>Month</b>	<b>FYTD</b>	<b>Reserved</b>		
Residential	\$308,375	\$2,451,681	\$1,100,769	\$4,200,000	58%
Commercial (Estimated Annual PBI Payments)	\$4,284	\$292,272	\$349,853	\$1,000,000	29%
<b>LOI Committed kW-AC</b>	<b>Month</b>	<b>FYTD</b>	<b>Reserved</b>		
Residential	341	2505	1182	NA	NA
Commercial PBI	32	3806	4322	NA	NA
<b>Projects Completed #</b>	<b>Month</b>	<b>FYTD</b>	<b>ITD</b>		
Residential	150	562	4,910	750	75%
Commercial PBI	8	18	166	60	30%
Commercial CBI	0	0	101	0	NA
<b>Projects Completed \$</b>	<b>Month</b>	<b>FYTD</b>	<b>ITD</b>		
Residential Rebates	\$893,676	\$2,706,622	\$52,176,751	\$5,000,000	54%
Commercial PBI Paid	\$121,949	\$707,658	\$2,960,200	\$2,500,000	28%
Commercial CBI	\$0	\$0	\$6,143,408	\$0	NA
<b>Projects Complete kW-AC</b>	<b>Month</b>	<b>FYTD</b>	<b>ITD</b>		
Residential	882	2,492	21,372	5,000	50%
Commercial PBI	569	1,245	8,802	5,000	25%
Commercial CBI	0	0	1,099	0	NA
Total kW AC	1,451	3,737	31,273	10,000	37%
<b>Projects Completed kWh/yr</b>	<b>Month</b>	<b>FYTD</b>	<b>ITD</b>		
Residential	1,525,985	4,265,862	35,986,217	8,450,000	50%
Commercial	957,208	2,156,634	16,811,221	8,450,000	26%
Total kWh	2,483,193	6,422,496	52,797,438	16,900,000	38%

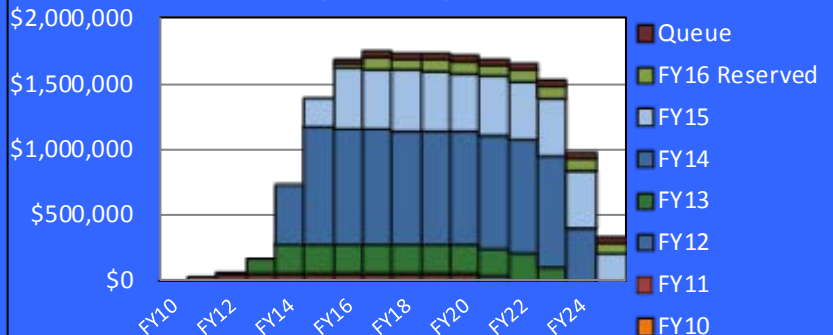
<b>Applications Submitted That Have Not Received LOIs</b>	<b>Current</b>
# of Residential	42
Res Requested Rebate \$	\$233,668
Res Requested Capacity kW-ac	180
# of Commercial	4
Com Requested Rebate \$ (Estimated Annual PBI Payments)	\$49,102
Com Capacity kW-ac	708
<b>Monthly Modeling</b>	
Projected Total PBI FY16 Exposure (Modeled \$/Annual)	\$1,984,964
Modeled kWh Production- Res	3,302,915
Modeled kWh Production - Com	1,190,515



### Residential - Application Status



### PBI Exposure by Fiscal Year

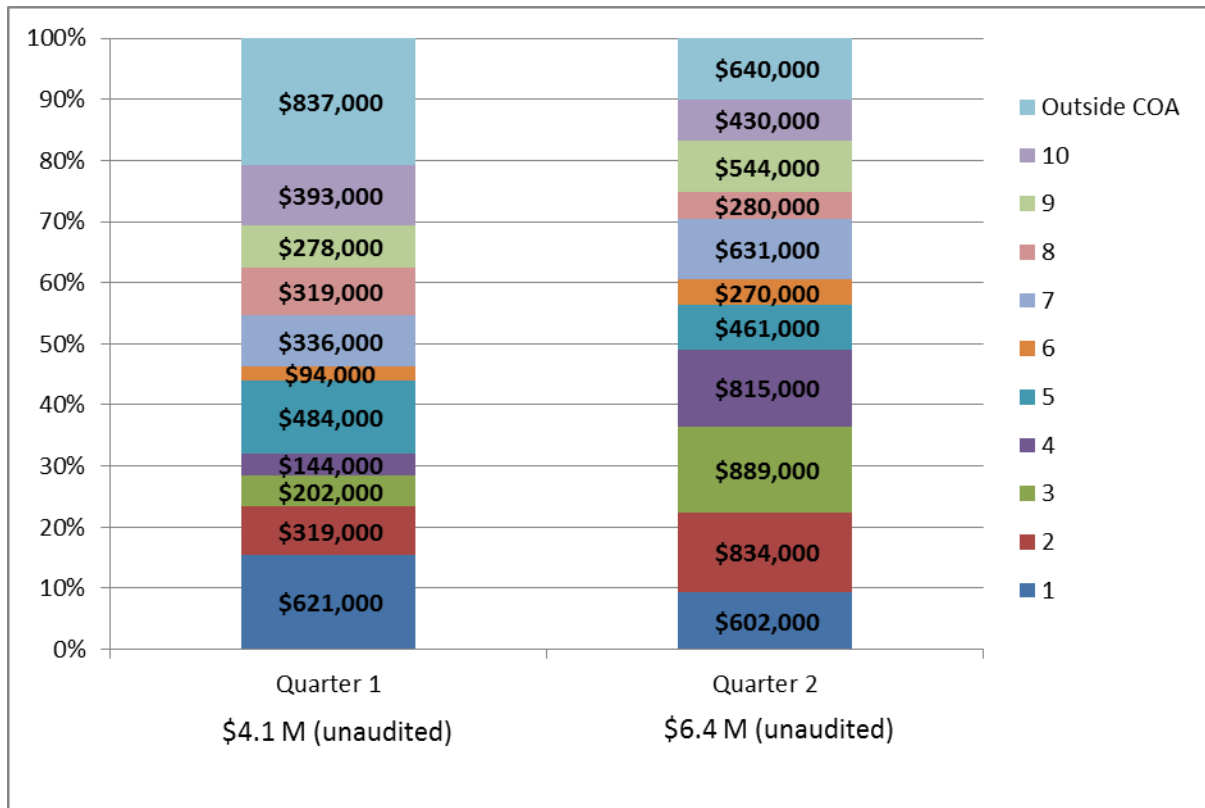


# Customer Energy Solutions

## Quarterly Report

As of 03/31/2016

Rebates by District and Outside of City of Austin (COA) are depicted in chart below. Dollars are rounded to nearest thousands and are unaudited.



### Quarter 1 & 2 Highlights

#### Energy Efficiency Services

##### Weatherization Assistance Program (WAP)

- Contractors are improving in work quality, jobs completed and time to complete each job (Quarter 1 FY16 had 50 job failures and Quarter 2 is down to 10 job failures)
- The program is positioned to surpass its annual goal of 500 homes by end of June. In 2015 Q2 YTD – 126 jobs were complete in 2016 YTD – 306 jobs complete year to date
- The Energy Efficiency Services QAQC Team is performing all WAP final inspections to ensure project quality and performance



- QAQC Team performing field training for WAP Contractors to help contractors align with program guidelines/expectations and ensure they are met (over 65 hours of training year to date)
- The Weatherization Assistance Program has finalized the configuration of the program in the new EES Customer Management Software, EECF.
- The program has successfully field tested the configuration in EECF
- Weatherization Assistance met its “go live” date of April 4<sup>th</sup> 2016

#### Home Performance w/Energy Star

- Restructured its rebate/loan program to create a 3.99% rate for project loan amounts for comprehensive weatherization and weatherization plus high efficiency central a/c equipment, up to \$15,000.
- The loan program reduced its minimum credit score to 600 in order to capture a broader market, especially inclusive of some of AE’s low to moderate income customers.
- Conducted three orientation sessions over the winter, with eight new contractors enrolled in the program
- Conducted extensive technical training for our contractors, including six 2-hour sessions taught by our staff, with 105 attendees. The purpose of the training was to educate contractors on program guidelines and expectations for the added component of duct system optimization
- Sponsored eight full days of National Comfort Institute (spell out) technical training for 125 attendees (air balancing and combustion training)
- Participated as a sponsor for the Affordable Comfort Institute Conference, for Home Performance and weatherization held here in Austin the week of April 4<sup>th</sup> through April 8<sup>th</sup>.

#### Power Partner Thermostat

- Selected new vendors to add to program - Honeywell and Energate
- Additional rebates will be offered through Home Performance w/Energy Star \$25 from AE and \$25 from Texas Gas Service for installing eligible thermostats

#### Strategic Partnership between Utilities and Retailers

- Provided incentives for energy efficient products, including LEDs, air purifiers, refrigerators and freezers, at 9 retailers across 31 locations
- 109,658 units = 438.63 kW and 3,103,321 kWh

#### Demand Response

- Transmitter Upgrade for One Way Thermostats - Installation is scheduled for a late May or early June timeframe

#### Commercial Programs (Commercial/Small Business Lighting and Multi-Family)

- Went live with the new rebate processing tool, Energy Efficiency Collaborative Platform (EECP), in Commercial and Small Business Lighting ahead of schedule

### Green Building

- High permit activity in the multifamily space has led to a YTD savings of 190% of the annual goal for that segment
- Proposed amendments to the 2015 IECC have been presented to and approved by the RMC. The EUC has seen a presentation on the proposed amendments and will vote on them in April.

### Solar

- Foundation Communities completed installation of 140 residential solar systems, totaling 111.35 kW-AC at the Homestead Oaks Apartments. The project received \$142,411 in Austin Energy solar incentives.
- The Kingsbery Community Solar project team is moving forward with site plan development including: determination of final project area/ size, development of a tree mitigation plan and project engineering and design. Upon approval of the site plan, Power Fin will begin construction of the project.
- Austin Energy solar staff is finalizing the migration of both the residential and commercial rebate processing to the Direct Technologies (DT) EECF tool.