

# Solar Program Update

Resource Management Commission, June 2019

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Manager, Customer Renewable Solutions



6/18/2019

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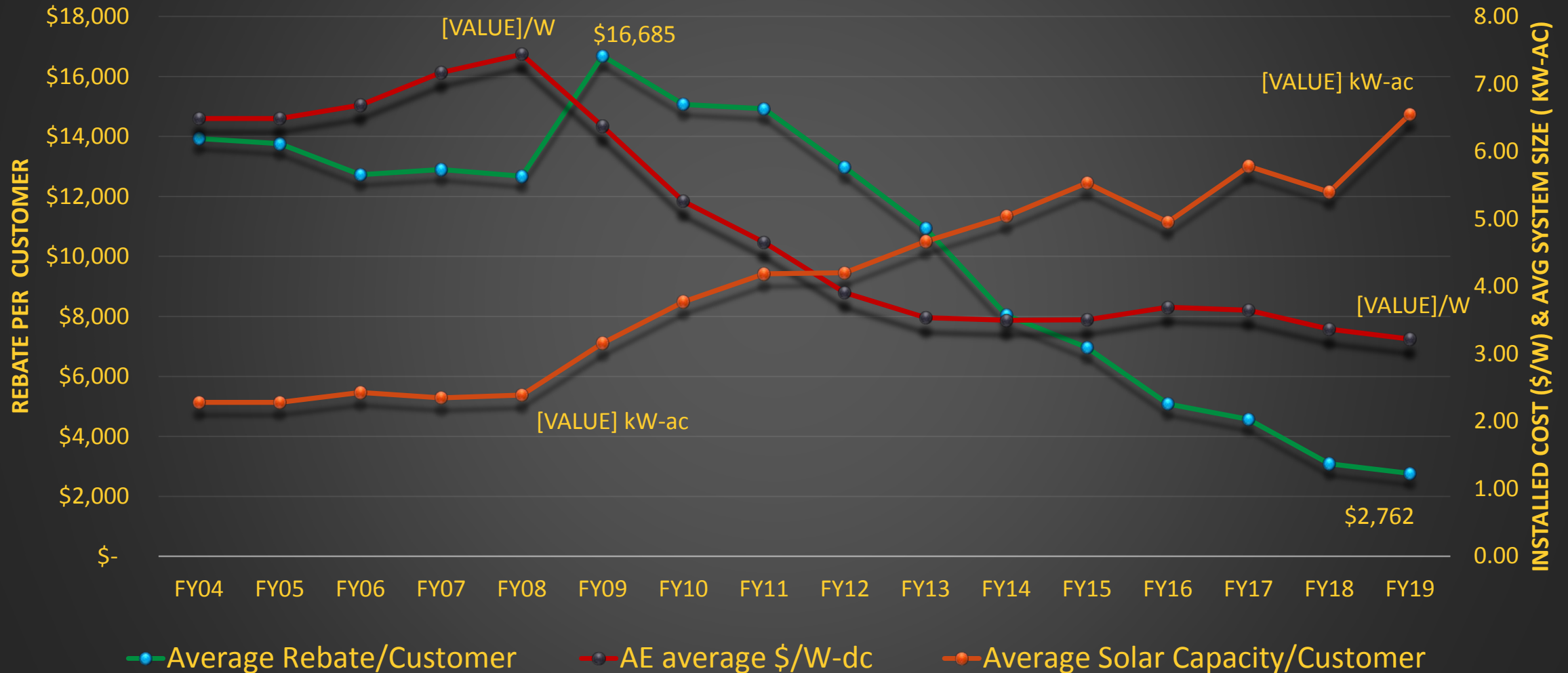
# Outline

- Residential Incentives
  - Solar Ed, Summer Bonus, Velocity Solar Loan
- Multifamily Incentives
  - Non-Profit Summer Bonus, Shared Solar
- Commercial Incentives
  - PBIs, Leasing pilot
- Community Solar
  - ABIA
- Solar Growth To Date & Local Solar Goals



# Residential Solar Rebate Program

## Rebate, Capacity, Installed Cost





# Solar Knowledge is Power



Learn

+



Install

=



Save

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[AustinEnergy.com/Go/Solar101](https://austinenergy.com/Go/Solar101)



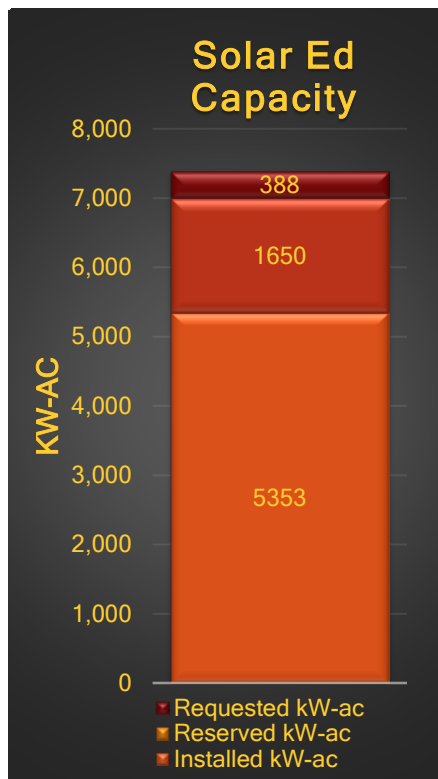
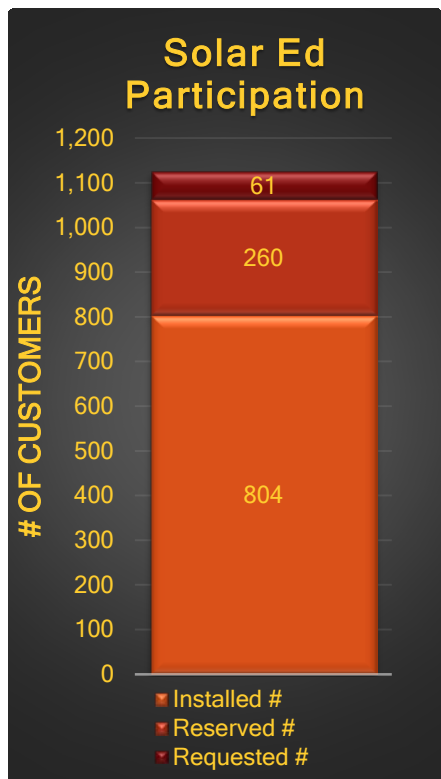
Customer Driven.  
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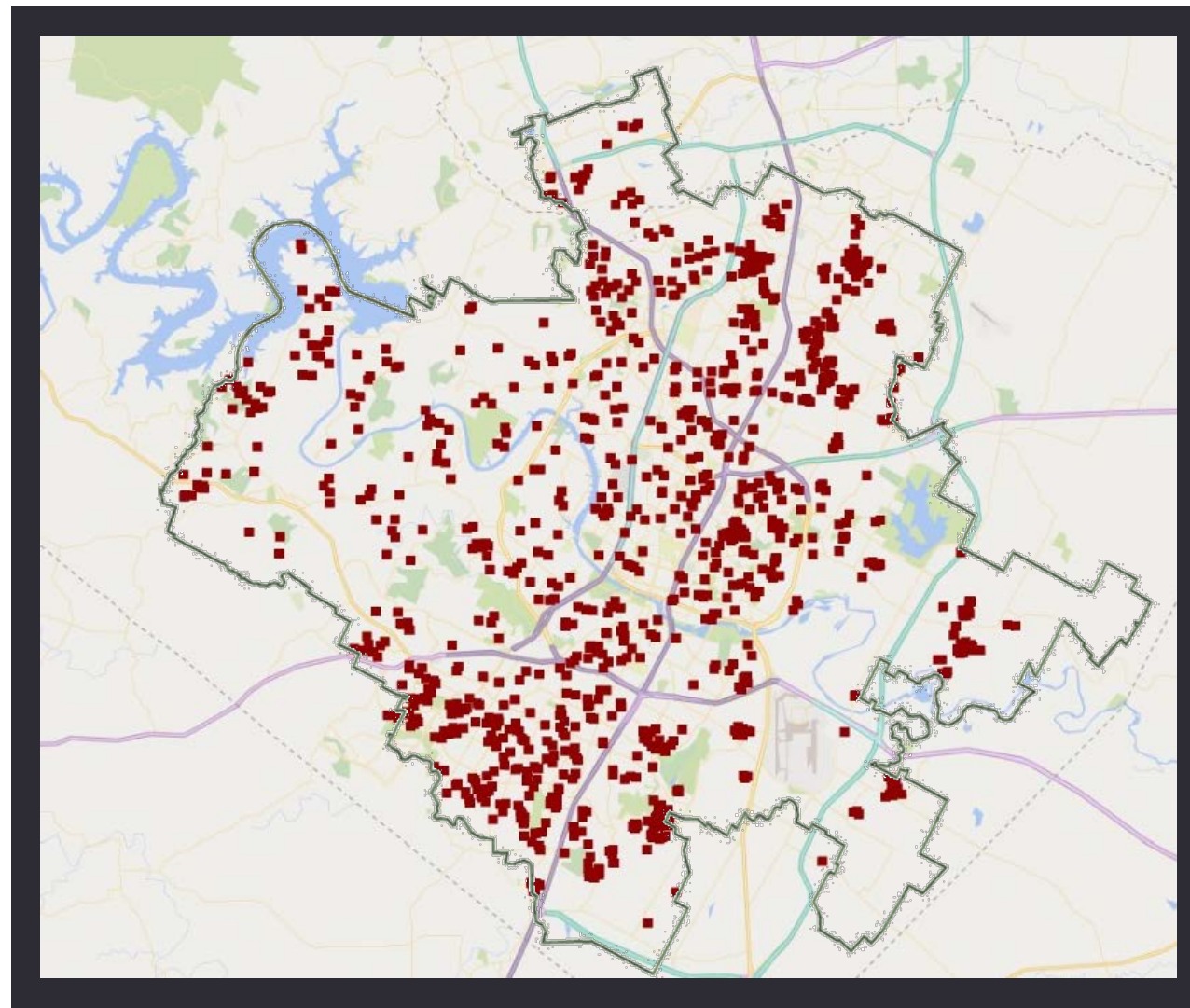


# Residential Rebate: Solar Ed Program

	Year Prior to Solar Ed	Solar Ed Program
System Size	5.64 kW-ac	6.36 kW-ac
Cost/W-dc	\$3.81/W	\$3.25/W
Time to process	138 days	80 days



## Solar Ed Participant Locations



# Solar Ed Rebate Participant Feedback

“I found Austin Energy's solar incentives to be well balanced and designed. The up front rebate is useful to incentivize the construction, while the energy buyback system balances the need for conservation, distribution of energy production, as well as maintenance of the grid.”

“It was fast and easy and definitely a strong motivator to go green!”



“Your website should be the FIRST place potential solar energy installers should start! I could have saved myself a TON of money, time and headaches had I started with Austin Energy”

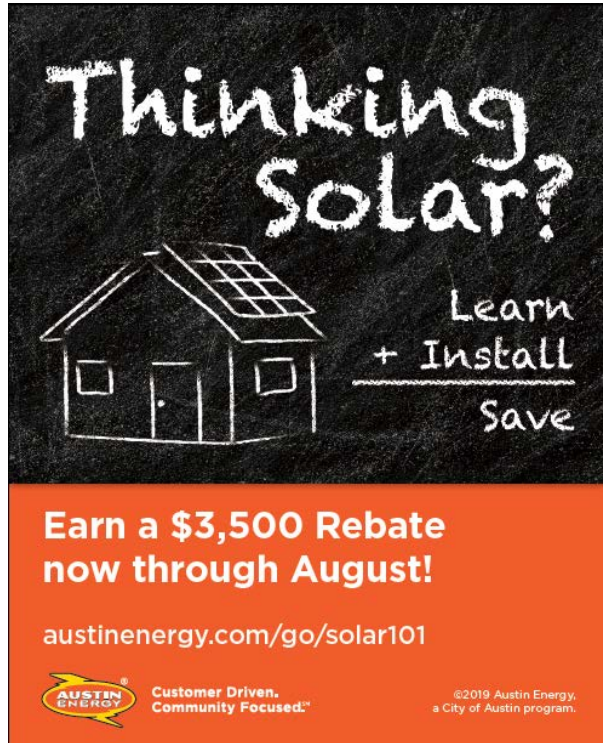
“Austin Energy was timely, helpful, and found issues with my installation that kept my contractor honest. Thanks Austin Energy!”

“Austin Energy was very prompt and efficient. Received our rebate in a very timely manner. The inspectors were very prompt and knowledgeable as to what the process entailed which was very reassuring as a customer.”

“AE was prompt and efficient in finalizing this project.”



# Summer Bonus




Thinking Solar?

Learn  
+ Install  
Save

Earn a \$3,500 Rebate  
now through August!

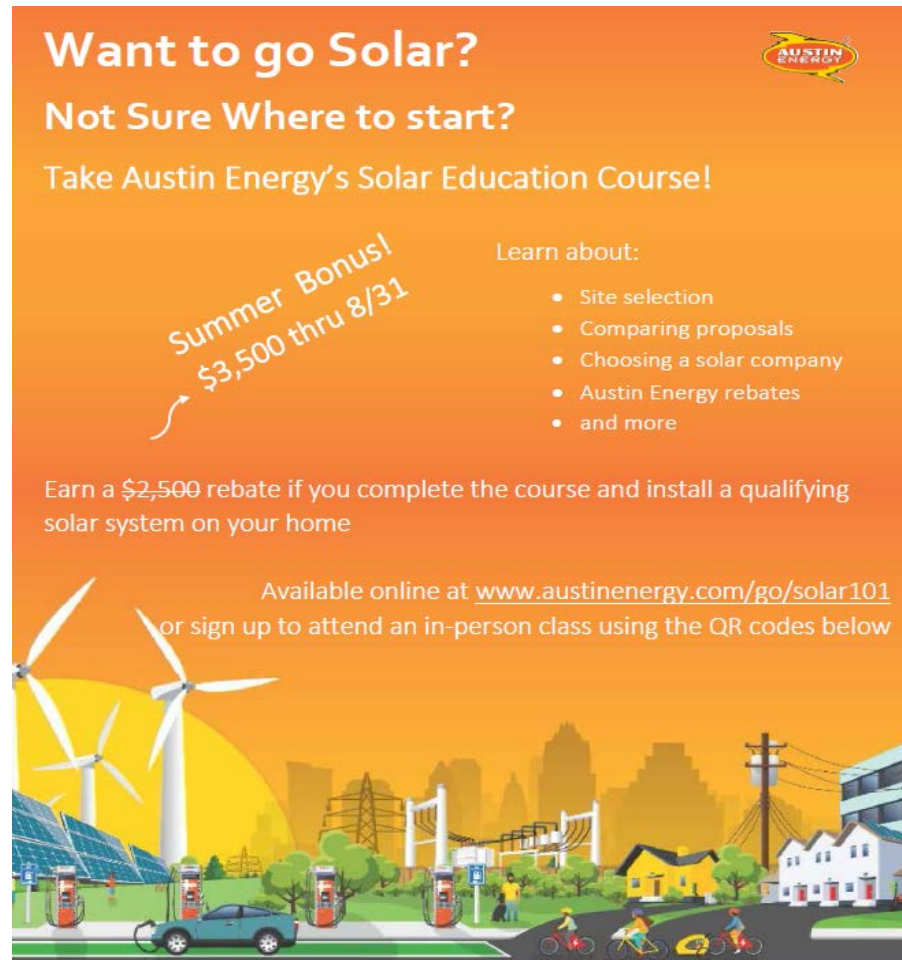
[austinenenergy.com/go/solar101](http://austinenenergy.com/go/solar101)

 Customer Driven.  
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a City of Austin program.

## Summer Bonus:

- \$2,500 -> \$3,500 for single family residential
- Applications must be received by August 31



Want to go Solar?  
Not Sure Where to start?

Take Austin Energy's Solar Education Course!


Summer Bonus!  
\$3,500 thru 8/31

Learn about:

- Site selection
- Comparing proposals
- Choosing a solar company
- Austin Energy rebates
- and more

Earn a \$2,500 rebate if you complete the course and install a qualifying solar system on your home

Available online at [www.austinenenergy.com/go/solar101](http://www.austinenenergy.com/go/solar101)  
or sign up to attend an in-person class using the QR codes below





**RUNNING ON SUNSHINE**  
Are you ready to power up with  
**SUNSHINE + SAVINGS?**

Reap the benefits of the plentiful Texas sun by installing a solar system.

Incentives are available to help reduce the cost of installation and save you money on your electricity bill.

make locally-generated  
**COMMUNITY SOLAR**  
YOUR energy choice

Learn more at  
[austinenenergy.com/go/communitysolar](http://austinenenergy.com/go/communitysolar)  
512-482-5346

**SOLAR**  
for your HOME or BUSINESS  
Are you ready to power up with  
**SUNSHINE + SAVINGS?**

Reap the benefits of the plentiful Texas sun by installing a solar system.

Incentives are available to help reduce the cost of installation and save you money on your electricity bill.

Find a participating installer at  
[austinenenergy.com/go/solar](http://austinenenergy.com/go/solar)  
512-482-5346



## In Person Trainings:

- Saturday June 22<sup>nd</sup>, 10am  
@ St David's Episcopal
- Wednesday July 31<sup>st</sup>, 7pm  
@ City Hall
- Wednesday Sept 18<sup>th</sup>, 7pm  
@ All Saints Presbyterian



# Austin Energy & Velocity Credit Union Solar Loan

- US DOE has approved expansion of AE's home energy efficiency loan offering with Velocity Credit Union to include **residential solar**
- Leverages existing Loan Loss Reserve
- Low interest rates and no platform fees
- Expect to finalize terms and rollout this fall



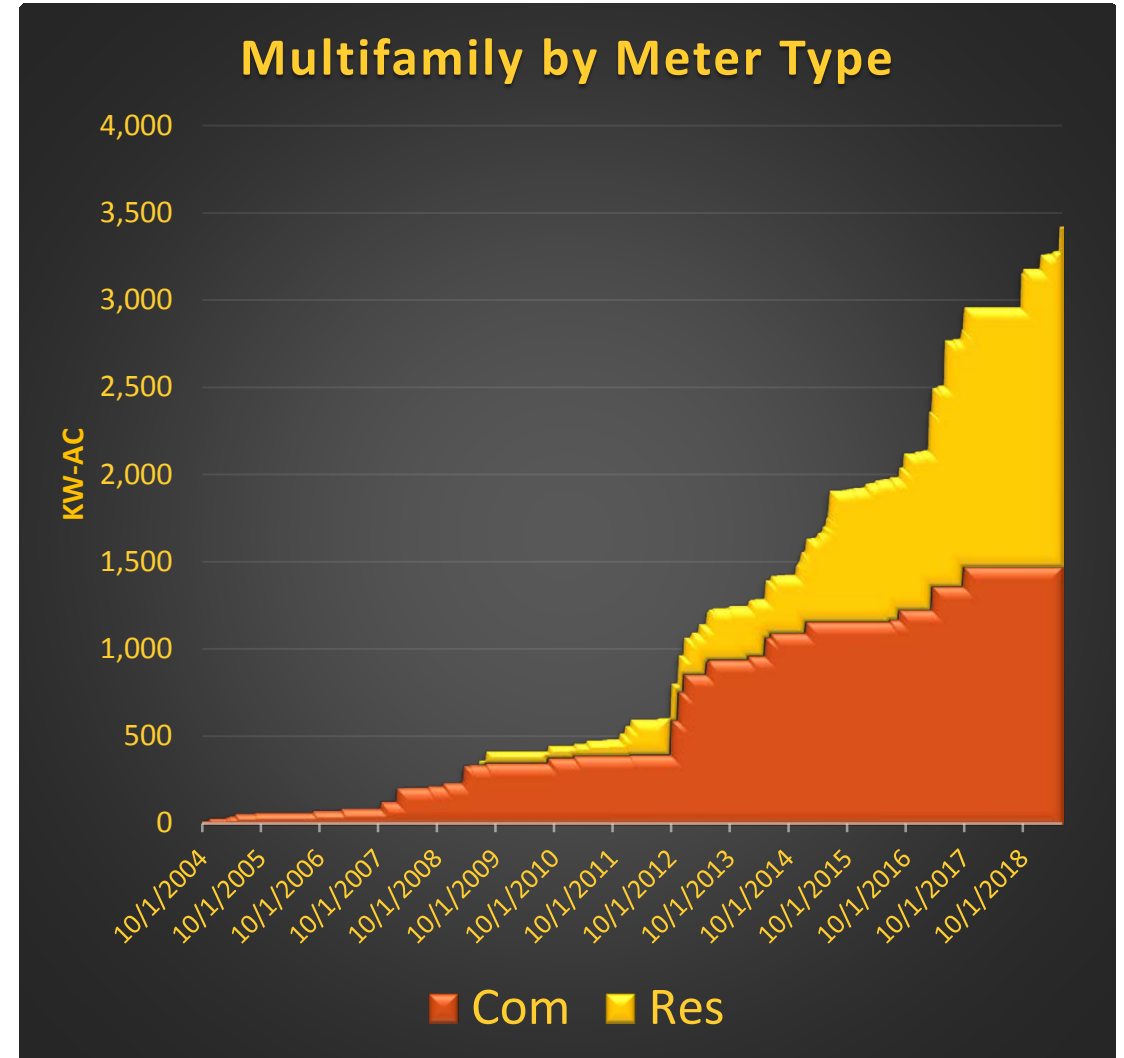
# Multifamily Solar Incentives

## • Multifamily Incentives/Activity

- Residential Rebates
  - 844 Units
  - 1,712 kW-ac
  - \$2.57MM Incentives
- Commercial Incentives (CBI and PBI)
  - 82 Common Areas
  - 1,472 kW-ac
  - \$2.50MM Incentives

## • Summer Bonus

- \$0.40/W to \$0.60/W for market rate
- \$0.60/W to \$1/W for non-profit MFAH



# Shared Solar Pilot



Cardinal Point

120 units, 200 kW-dc



Jeremiah Program

35 units, 57 kW-dc



La Vista

22 units, 97 kW-dc

## What is Shared Solar?

Generation from single solar installation on a multifamily building is virtually allocated across individually metered tenants' bills.

### Targeted Program Rollout:

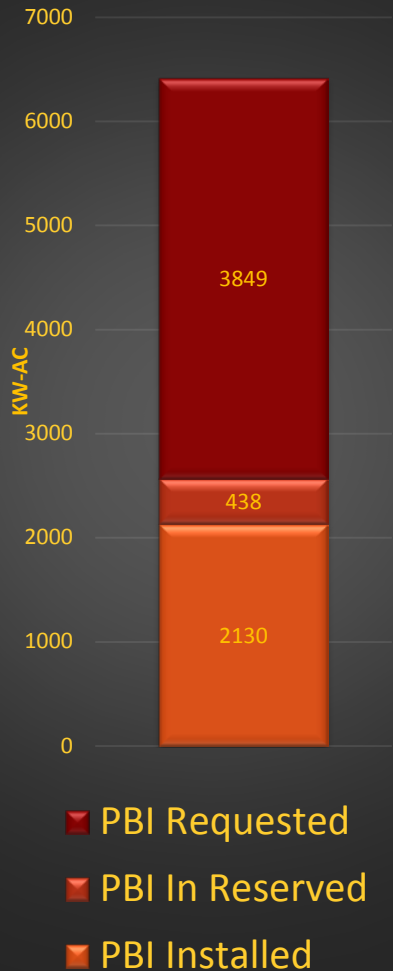
- MFAH Pilot FY19-20
- MFAH Expansion FY20
- All Multifamily FY21
- Commercial FY22



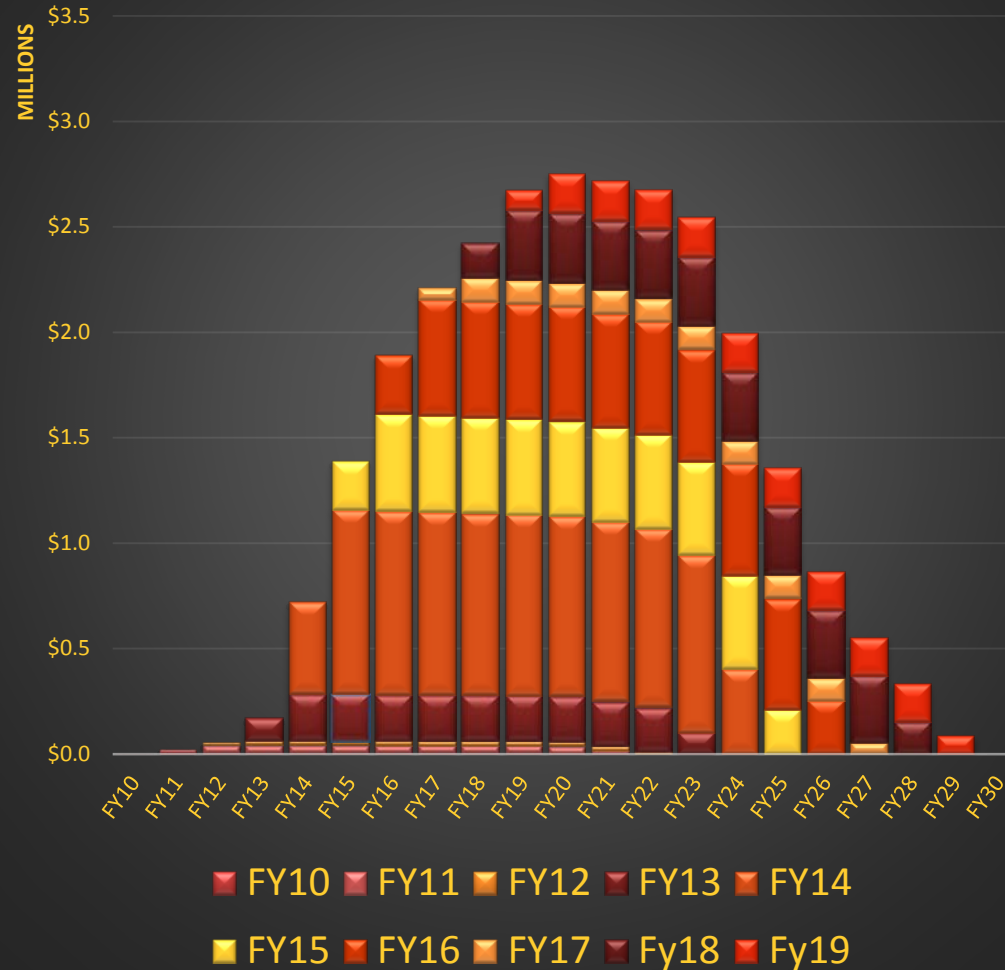


# Commercial Solar Incentives

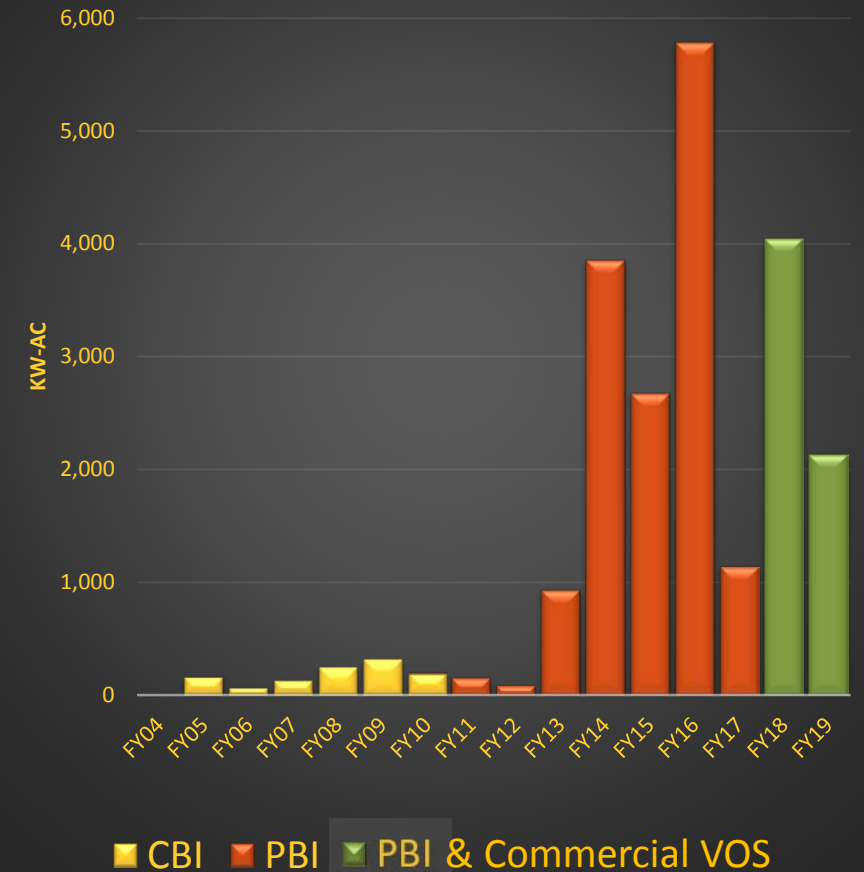
## PBI Capacity FY19



## PBI Exposure by Fiscal Year

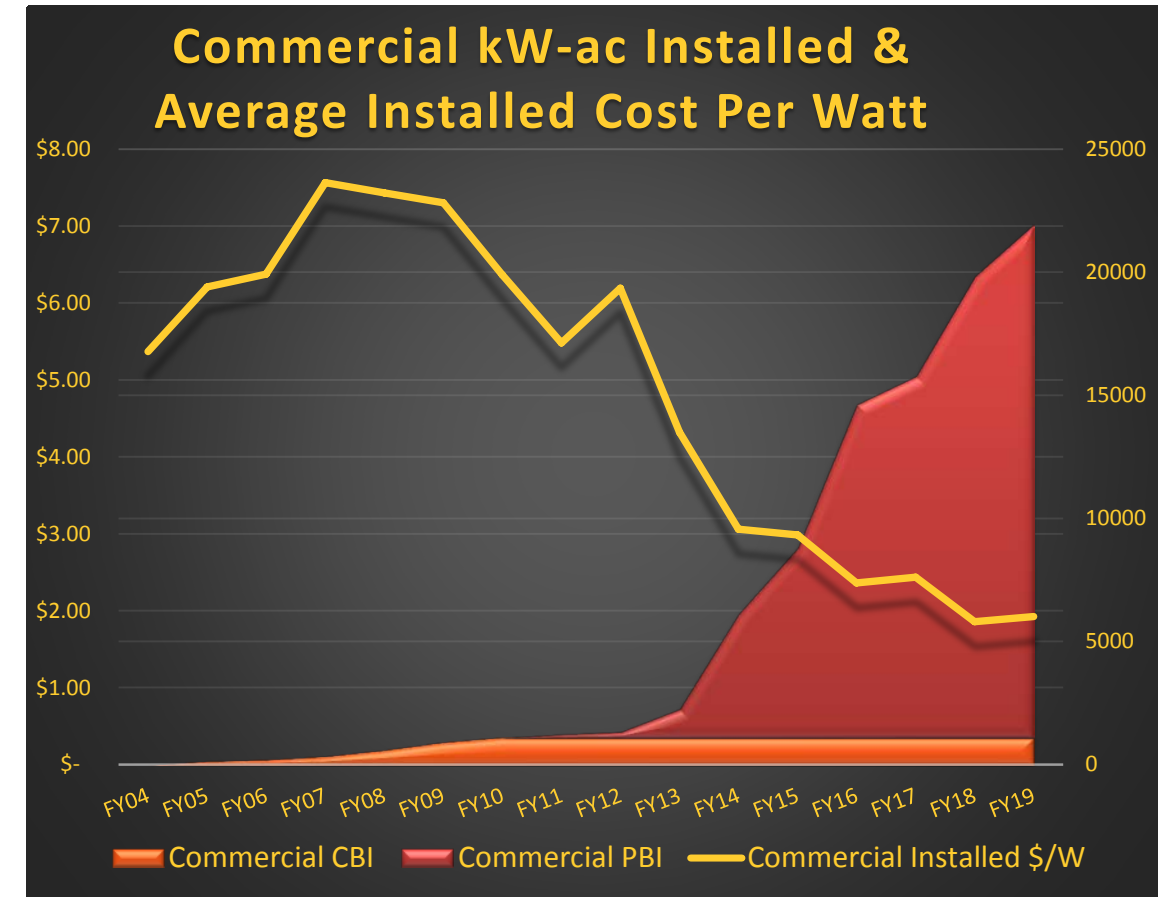
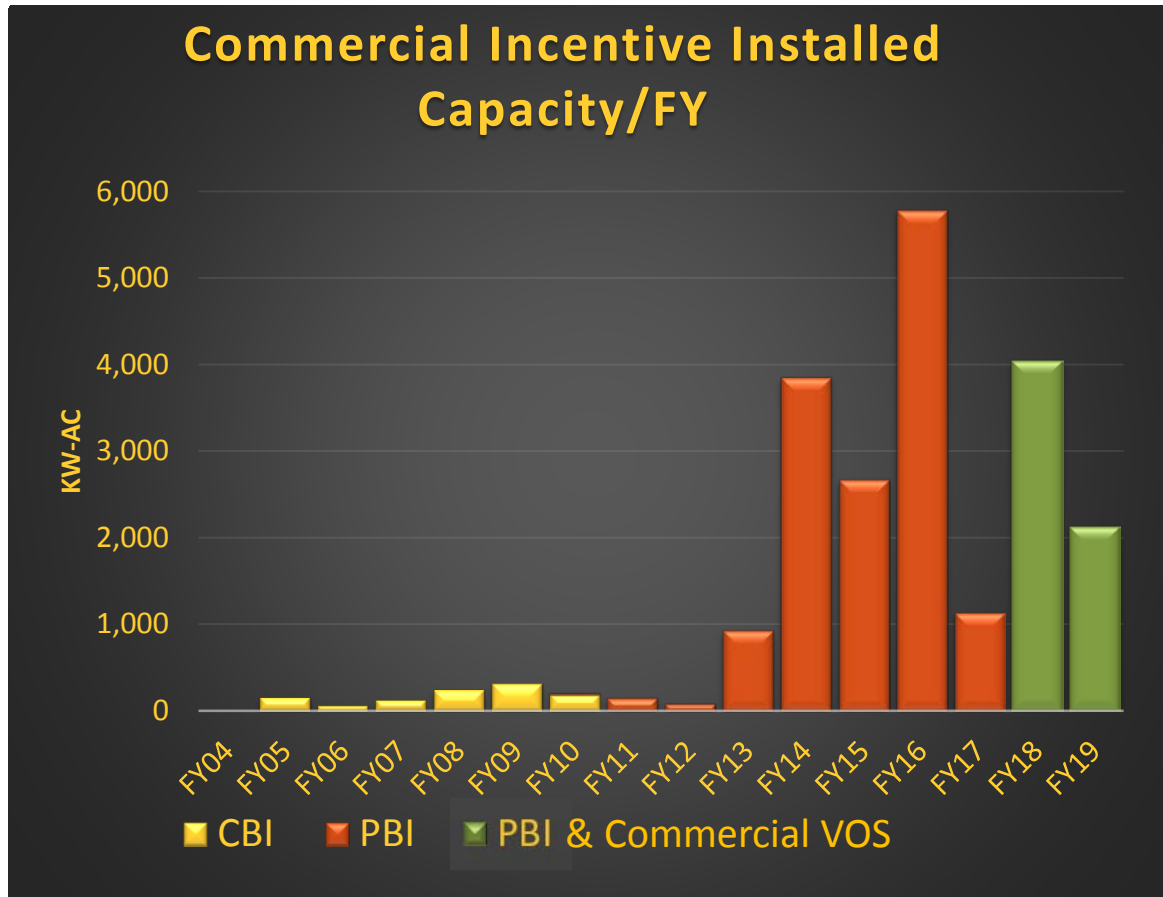


## Commercial Incentive Installed Capacity/FY



# Commercial Solar: CVOS & Leasing

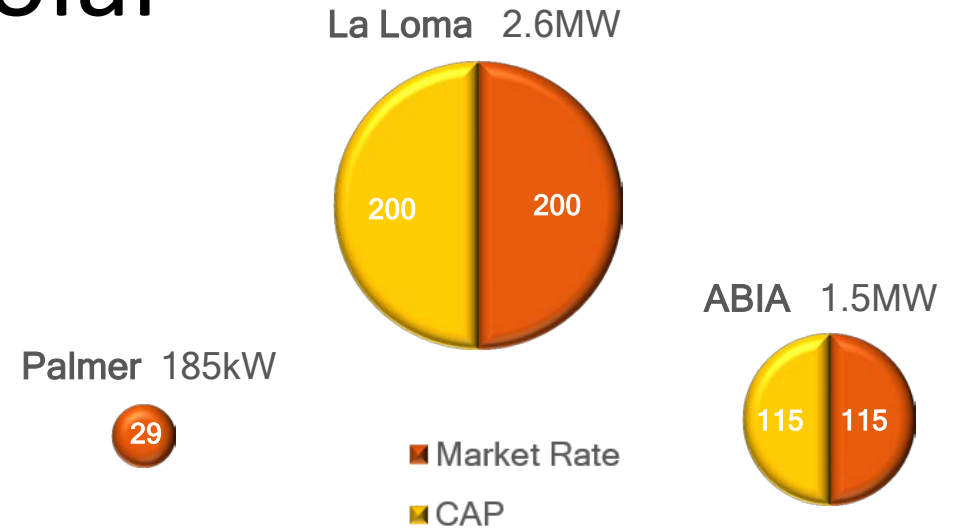
- Commercial VOS took effect Jan 2018
  - Improved project economics for all customers
- Leasing Pilot launched Jan 2019
  - 1 project approved, 2 in development



[FY19 data thru 5/31]

# Community Solar

- First Green-e® certified Community Solar program in the country!
- 100% of participants' electric use is offset by energy from local solar projects
- Community Solar Adjustment (CSA) replaces Power Supply Adjustment (PSA) on participants' bills
- Half of La Loma's capacity dedicated to Customer Assistance Program (CAP) customers at discounted rate
- RFP for 1.5 MW ABIA project issued in May, reviewing bids currently



Current Program	Market-Rate	Low-Income
Capacity (MW)	1.435 MW	1.25 MW
Est. # of Participants	245	220
Community Solar Rate	\$0.0427/kWh	\$0.0277/kWh
Δ vs 2019 PSA	+\$0.0138/kWh	-\$0.0013/kWh

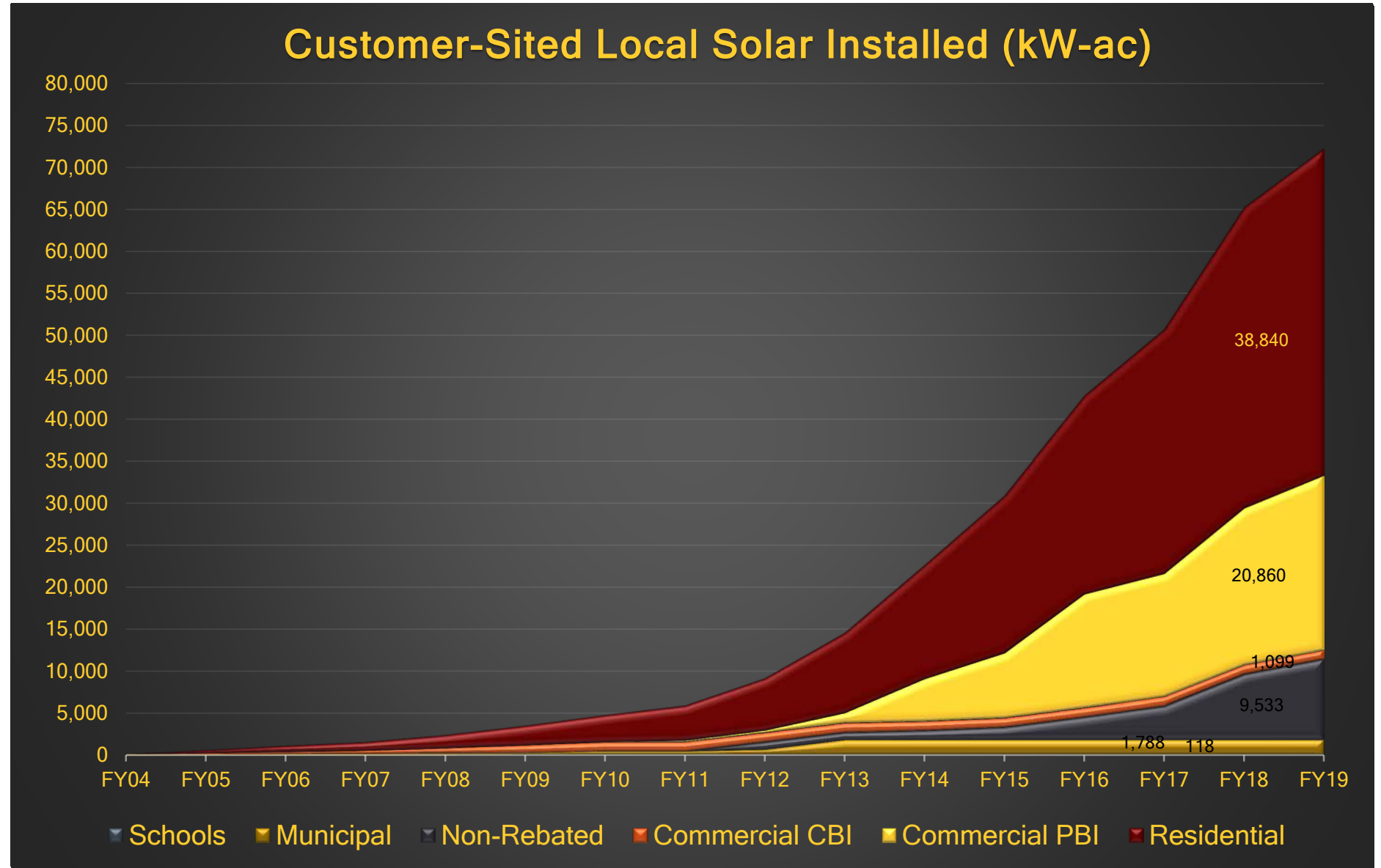
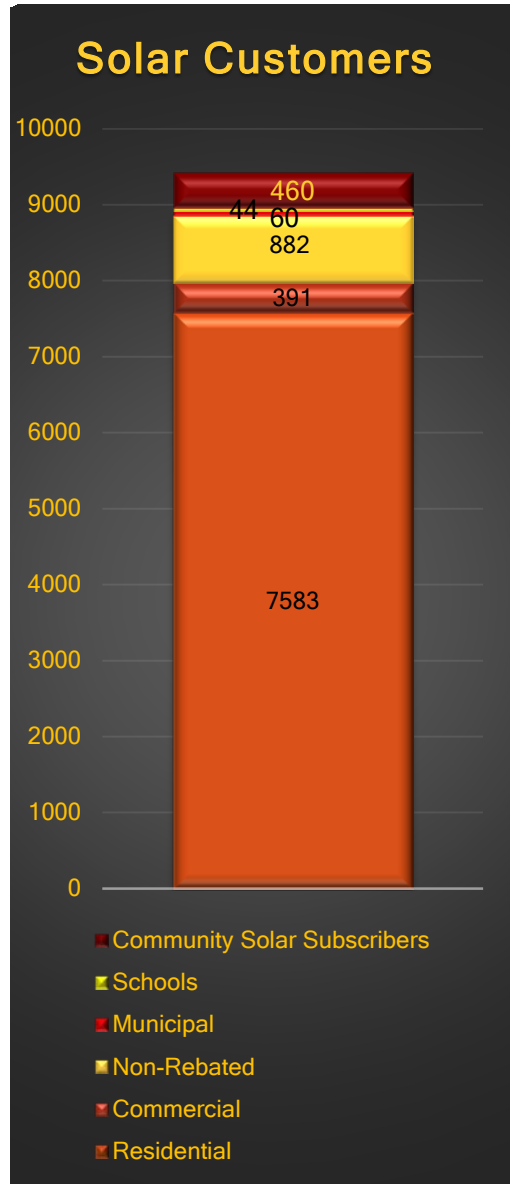


# Community Solar in Austin



Clockwise from Top Left: Palmer Event Center, La Loma Community Solar Farm, ABIA Blue Garage Carports

# Local Solar: 70 MW Customer-Sited Goal Achieved!







## Utility Solar Rankings: MW Installed in 2018

1	Pacific Gas & Electric (CA)	630.0
2	Florida Power & Light Co. (FL)	626.8
3	Southern California Edison (CA)	440.7
4	Duke Energy Progress (NC)	436.3
5	Northern States Power Minnesota (Xcel) (MN)	269.4
6	Dominion Energy North Carolina (NC)	213.1
7	Austin Energy (TX)	192.9







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