

Solar Program Update

Resource Management Commission, January 2021

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1/19/2021

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Outline

- Local Solar Goals
- Customer Participation
- Local Solar Market Overview CY2020
- Residential Incentives
- Commercial Incentives
- Multifamily Incentives
- Community Solar
- Education and Outreach



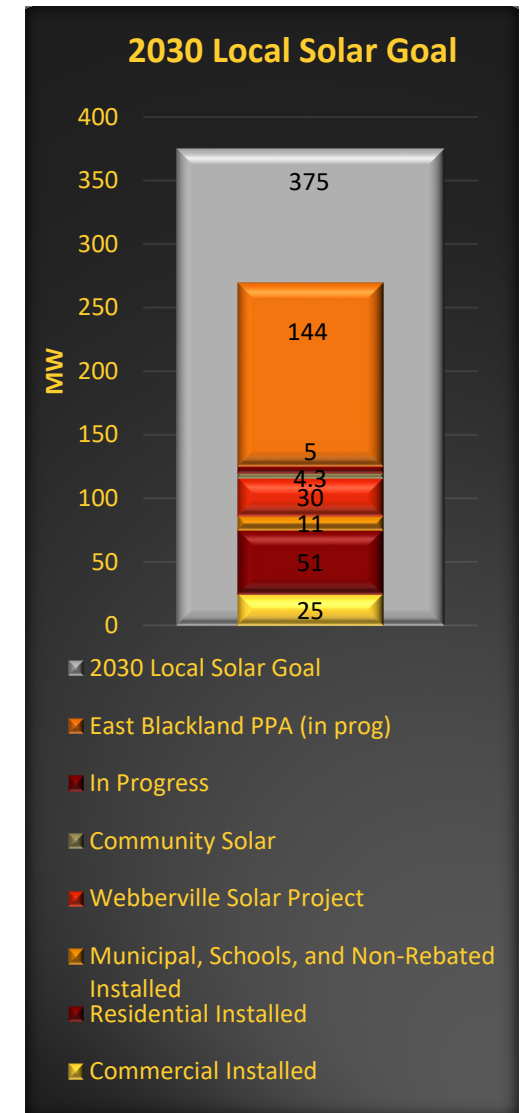
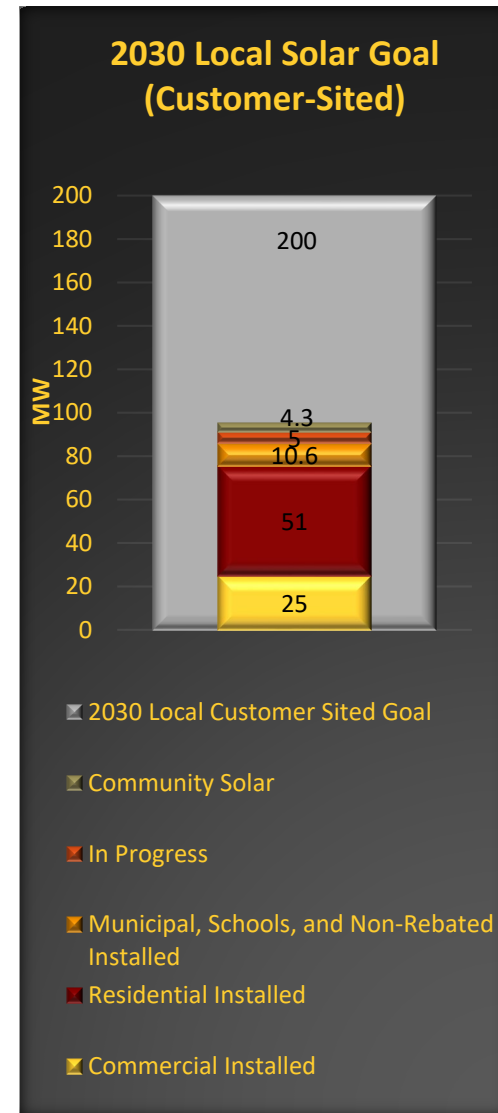
Resource Generation Plan to 2030 Local Solar Goals

- **Customer-Sited**

- 2030 goal is 200MW
- DG behind or in front of the meter
- Current progress is 96.4 MW
- On Track

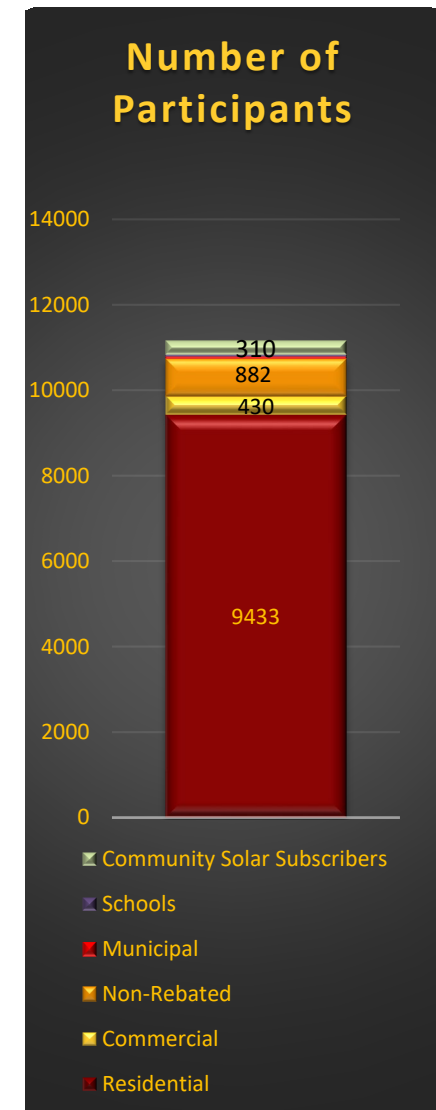
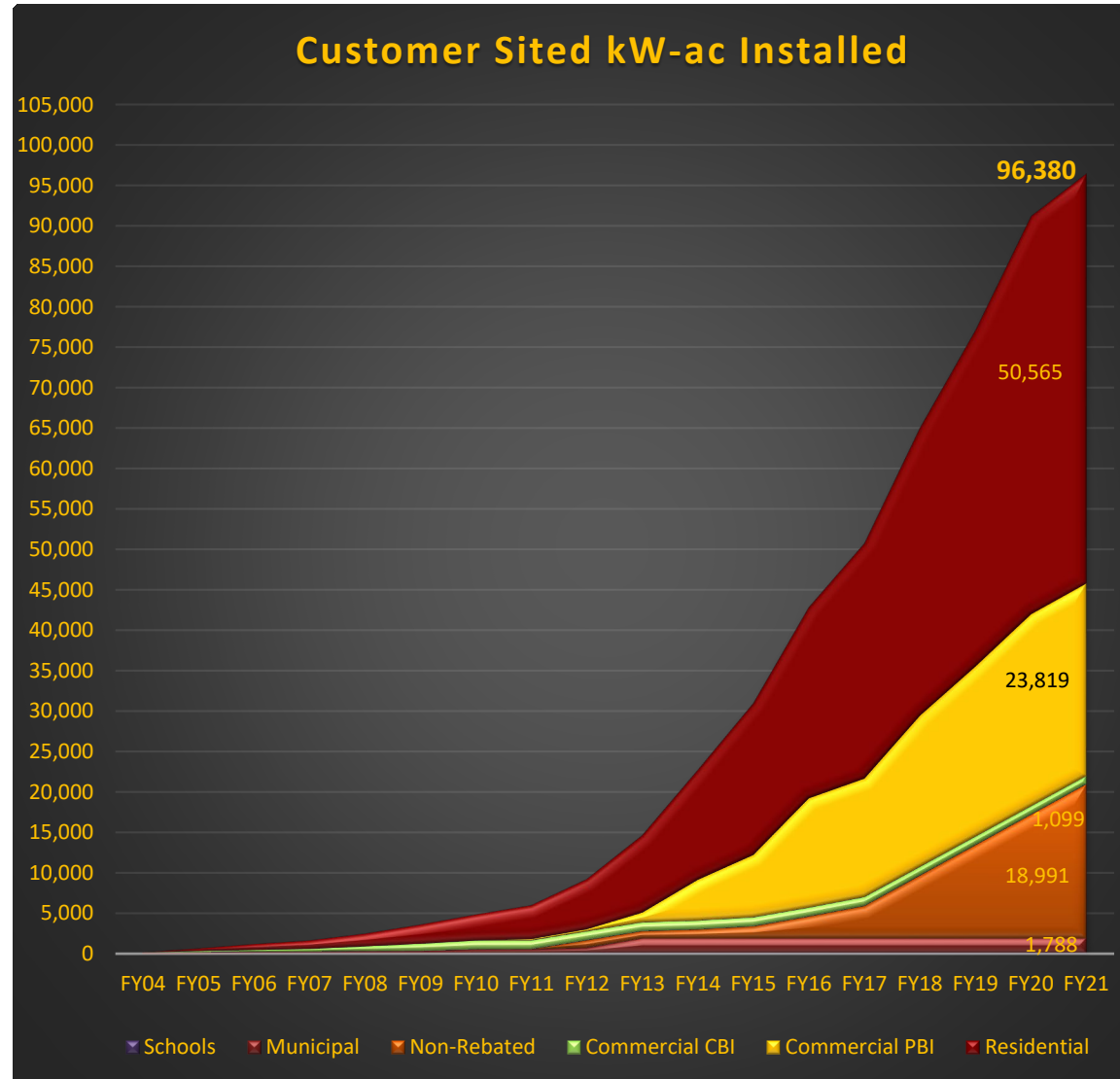
- **Local Solar**

- 2030 goal is 375MW
- Includes all solar in the five-county area
- Current progress is 269.3 MW
- On Track



Customer Participation

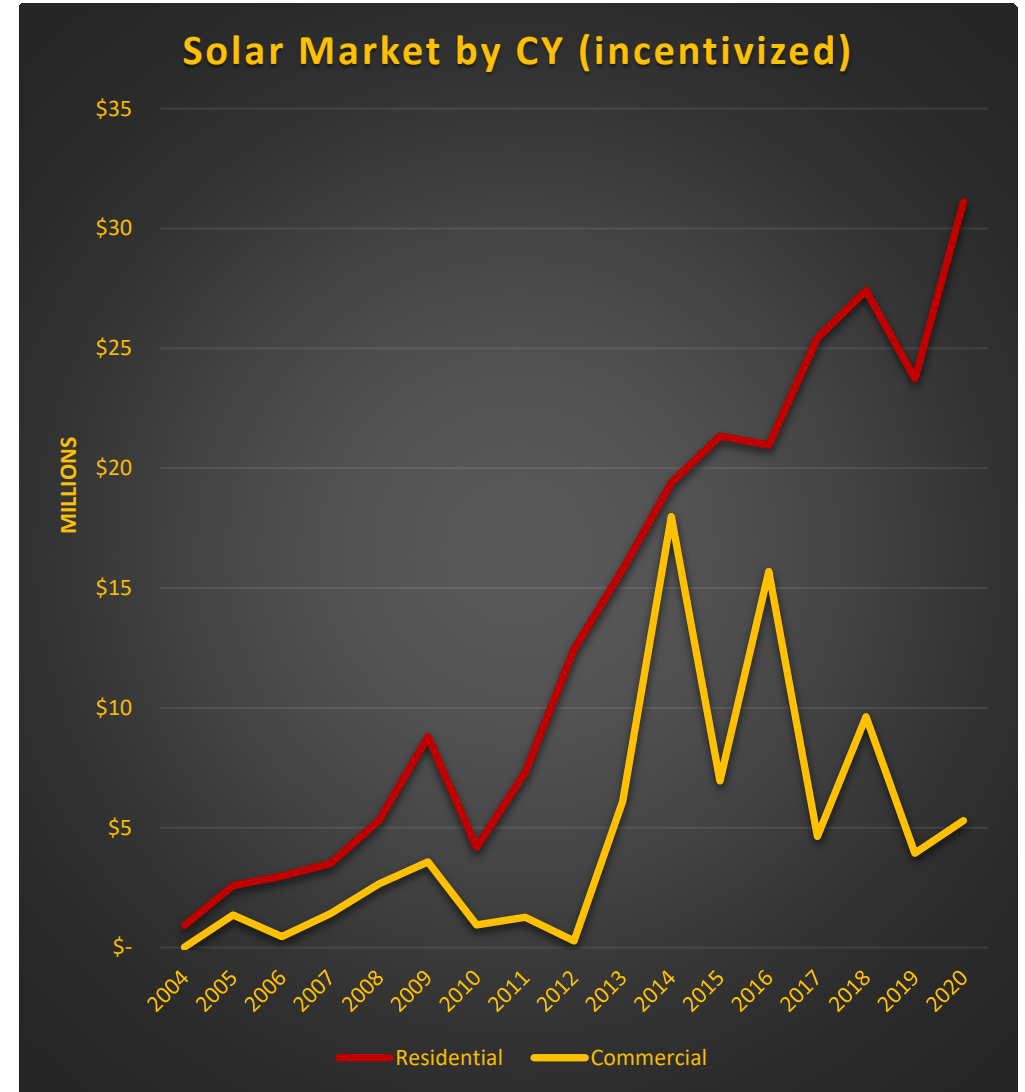
- Over 11,000 Solar Customers
- Over 2/3 is Residential
- 1/5 is Non- Rebated
- We will exceed 100MW this fiscal year



as of 1/1/2021

Solar Market

- **Calendar Year 2020**
 - Federal Tax Credit lowered from 30% to 26%
 - COVID effects operations
- **Residential Incentive Market**
 - Best year by 13%
 - 30% gain over last year
- **Commercial Incentive Market**
 - Showing Signs of Declining Participation



as of 1/1/2021

Solar Knowledge is Power



Learn

+



Install

=



Save

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



Customer Driven.
Community Focused.™



Solar Ed Rebate Participant Feedback

“I realize now more than ever that Austin Energy is more than just a utility company—they are responsible stewards of Austin's existing and future energy supply.”

“Austin Energy has a good thought out and well planned solar installation and incentive program with good energy buy back rate /kWh compared to other cities.”

“Austin Energy’s rebate program really helped to make adding solar affordable for us. The process was smooth and easy with Austin Energy.”

“Austin Energy made the entire solar install and rebate process easy from start to finish. I appreciate the fact they incentivize solar given all the benefits it has for the environment.”

“Austin Energy provided in depth explanation of what to expect. The learning modules explained options clearly. System parts and functions were explained in easy to understand terms. We are glad to see a real savings in energy bill.”

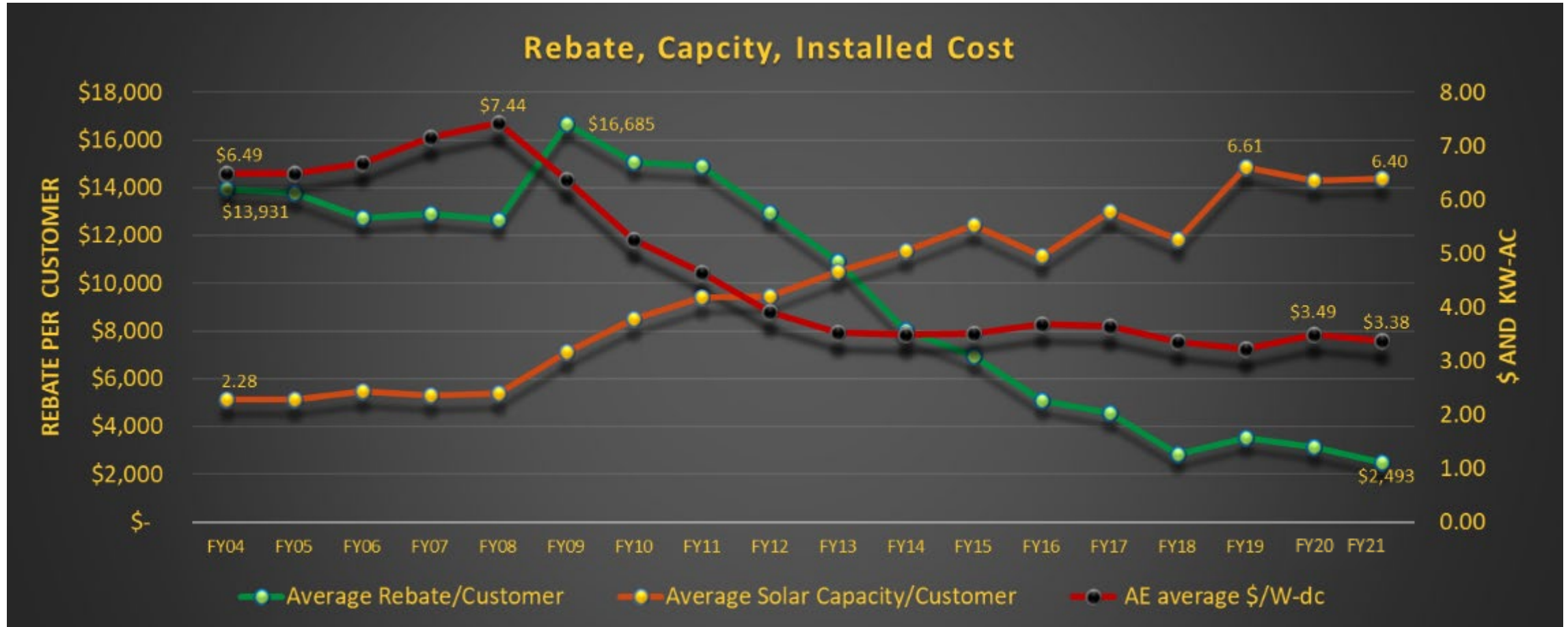
“Estoy muy satisfactorio se los recomiendo Instalenlo.”

“I would definitely recommend going for Solar panels and get the rebate thru AE. We need a cleaner planet for our kids to live and leave behind.”

“Even with the pandemic, our solar panels were installed and Austin Energy came out to complete process. That is dedication!”



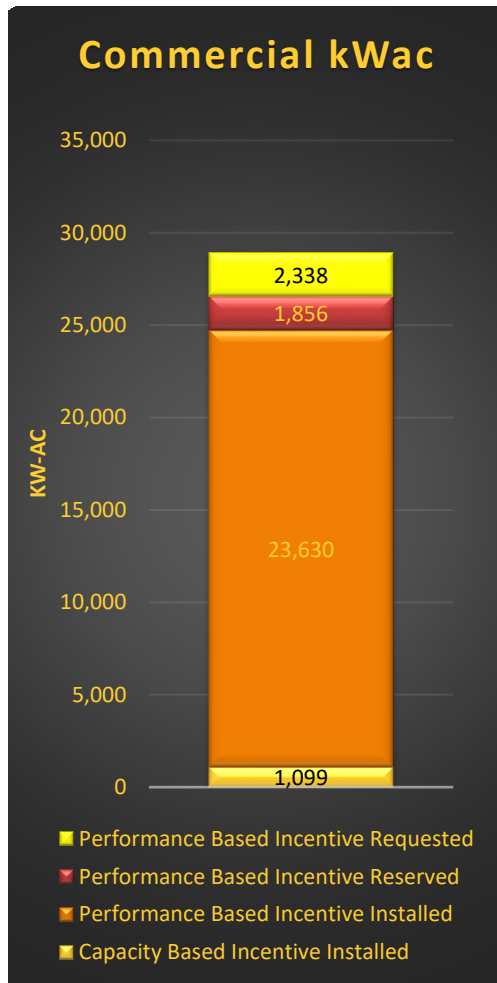
Residential Solar Rebate Program



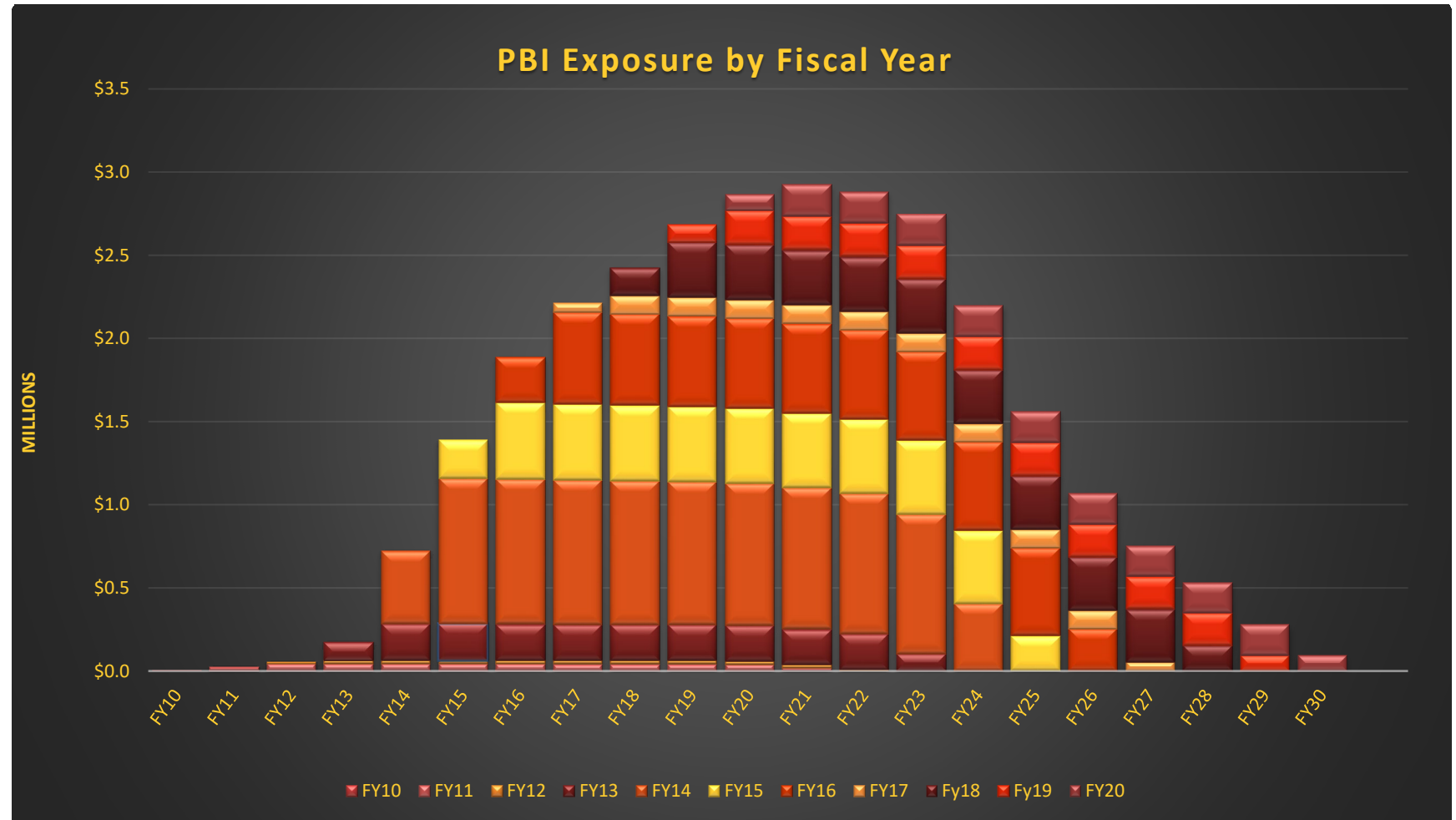
as of 1/1/2021



Commercial Solar Incentives



as of 1/1/2021

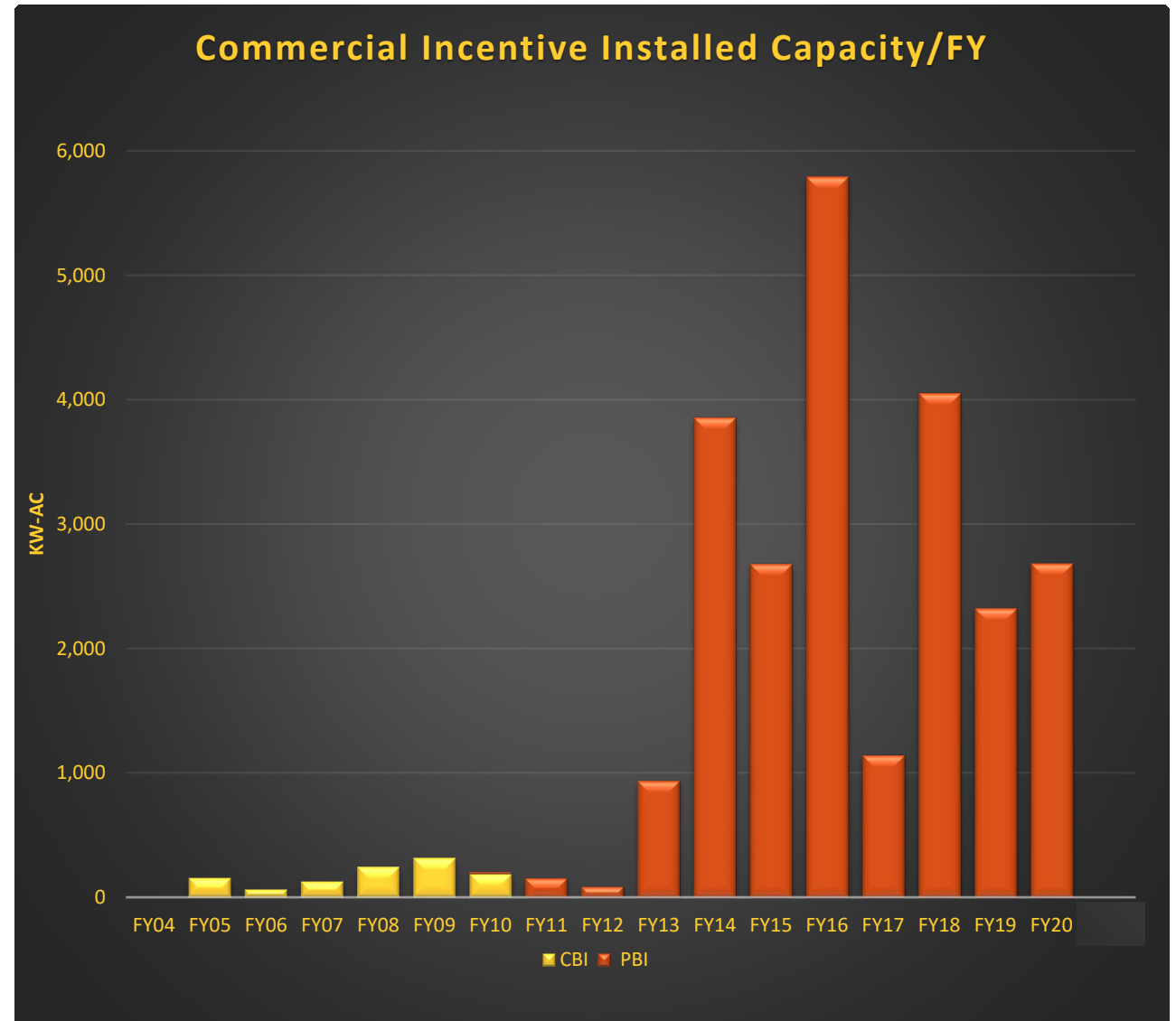


as of 10/1/2020



Commercial Solar

- **Research**
 - Stakeholder Meetings
 - Surveys
 - PBI Customer Outreach
- **Simplify**
 - Current structure is complicated
 - Difficult to apply
 - Difficult to communicate
 - Difficult to administer
- **Support**
 - Case Studies
 - Improve Web Pages
- **Stimulate**
 - Restructure Offering
 - Improve Economic Return



as of 1/1/2021

Shared Solar Pilot

- Allows for single point of interconnection with virtual allocation of generation to tenants
- Testing automation in the billing system currently
- Targeting July 2021 for program launch
 - limited to LMI properties with possible further expansion.
- 5th Multifamily project added in April 2020

Project Name	Date Installed	# of units	Installed Cost (\$)	Rebate Amount	Capacity (kW-DC)	Annual kWh
Guadalupe Jeremiah LP	9/27/2018	35	\$ 125,000	\$ 103,950	57.75	83,615
GNDC La Vista	1/16/2019	22	\$ 172,730	\$ 97,090	97.09	142,798
Four Points	9/27/2018	120	\$ 431,809	\$ 200,020	200.02	263,843
Chalmers South	9/27/2019	86	\$ 291,642	\$ 151,240	151.24	202,743
Goodrich	4/14/2020	120	\$ 453,500	\$ 258,400	258.4	357,058
Total		383	\$ 1,474,681	\$ 810,700	764.5	1,050,057

HACA at Goodrich



Photo by Lighthouse Solar



Outreach and Education

- **Monthly Contractor Meetings**

- General
- Administrative
- Technical

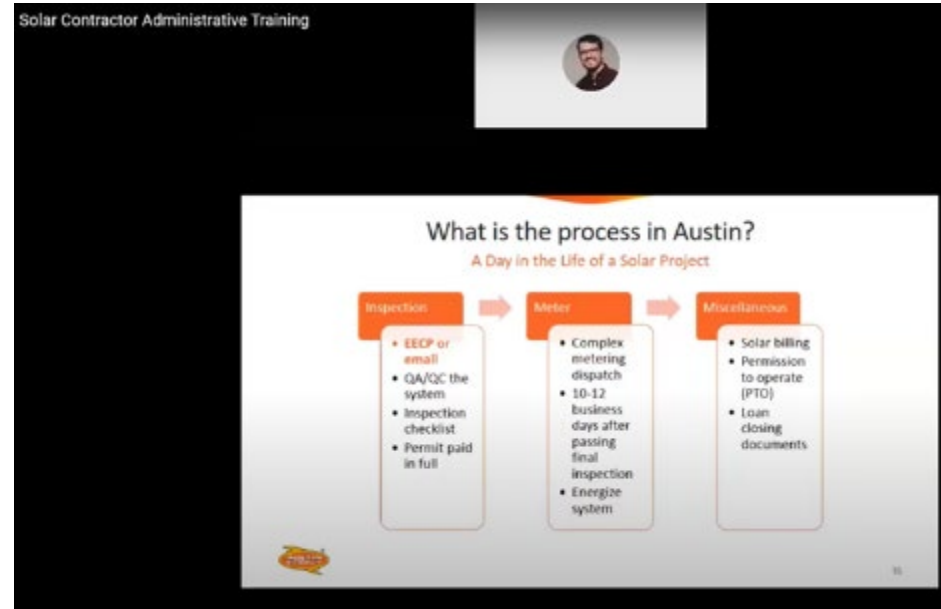
- **Virtual Outreach**

- **Zpryme**

- VR/AR Solar Education

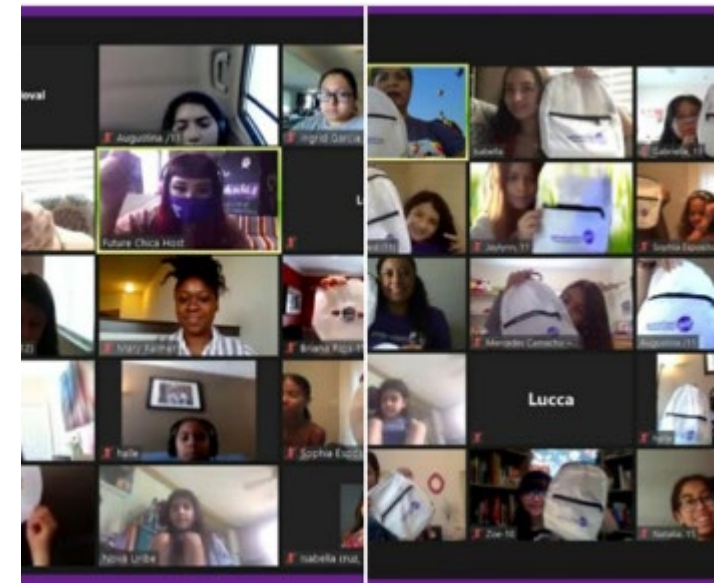
- **School Systems**

- Address Performance Issues
- Refurbish/Replace Signage
- Revisit Curriculum



Left: Joe St James Lopez presents the Solar Contractor's Administrative Training, a quarterly presentation aimed at improving contractors EECOP proficiency.

To the right: Mary Palmer presents to "Latinitas", an organization focused on empowering girls to innovate through media and technology, along with Amy Atchley in EVs & Rebekah Diaz of Zpryme.



Community Solar in Austin



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

Community Solar

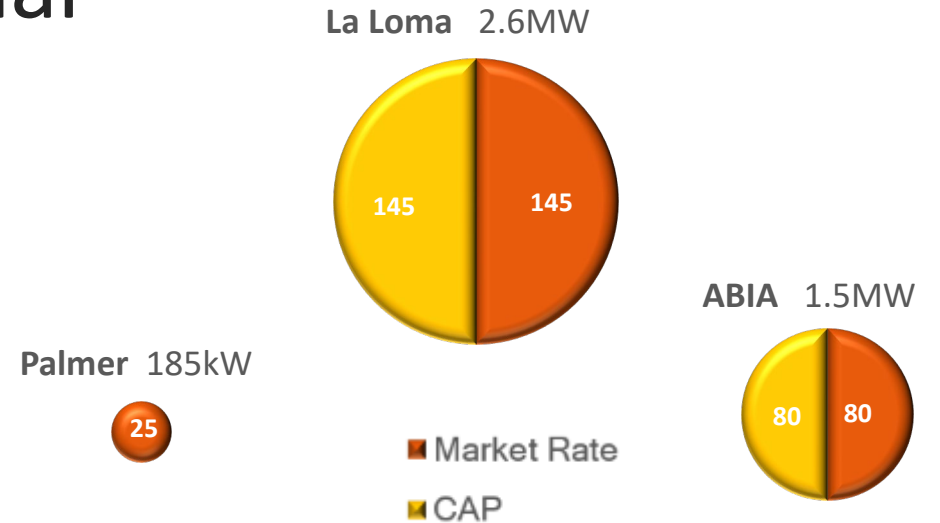
First Green-e® certified Community Solar program in the country

100% of participants' electric use is offset by energy from local solar projects

Community Solar Charge replaces Power Supply Adjustment (PSA) on participants' bills

Half of capacity dedicated to Customer Assistance Program (CAP) customers at discounted rate

1.5 MW Austin-Bergstrom International Airport project currently under construction, to be completed in 2021



<i>Current Program</i>	Market-Rate	Low-Income
Est. # of Participants	159	151
Community Solar Rate	4.27¢/kWh	2.77¢/kWh
Δ vs 2019 PSA	+1.13¢/kWh	-0.37¢/kWh

Local Solar RFP

Proposals Currently Under Review

- Distribution grid connected
- Respondents to provide diversity, inclusion, and local workforce development plan
- Also looking at storage options



Image: RALPH BARRERA / AMERICAN-STATESMAN

Austin Energy - #1 Municipally Owned City in the Country for per capita solar installed - Shining Cities 2020

Table 7. Top municipal utilities among cities surveyed for this report, by solar PV capacity installed, end of 2019



City	Municipal utility*	State	Service territory capacity (MW DC)	Solar owned outside of service territory	Total capacity (MW DC)	Number of electric customers	Per capita solar PV installed (watts-DC/person)
Austin	Austin Energy	TX	137.32	612	749.32	485,204	1,544.34
Los Angeles	LA Department of Water and Power	CA	483.85	1,358.52	1,842.37	1,500,000	1,228.25
Riverside	Riverside Public Utilities	CA	126.1	N/A	126.1	109,000	1,156.88
San Antonio	CPS Energy	TX	314.57	451.2	765.77	820,000	933.86
Sacramento	Sacramento Municipal Utility District (SMUD)	CA	393.18	70	463.18	628,481	729.25
Burlington	Burlington Electric Department	VT	8.48	N/A	8.48	21,500	394.41
Memphis	Memphis Light, Gas, and Water Division	TN	77.83	N/A	77.83	415,000	187.54
Orlando	OUC (Orlando Utilities Commission)	FL	40.28	N/A	40.28	217,919	184.84
Jacksonville	JEA	FL	66.18	N/A	66.18	478,000	138.45
Seattle	Seattle City Light	WA	26.65	N/A	26.65	780,000	34.17
Nashville	Nashville Electric Service	TN	9.58	N/A	9.58	405,636	23.62

* Municipal utility data are not comprehensive.





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