



CPS ENERGY SOLAR PROGRAMS OVERVIEW

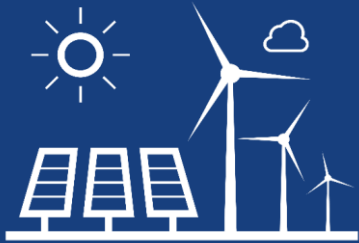
PRESENTED BY:

Dr. Cris Eugster

Chief Operating Officer (COO)

February 1, 2020

BY THE NUMBERS



Largest Municipally Owned Electric and Gas Utility in the U.S.
Largest Solar Power Production in Texas; Seventh in the Nation
Second Largest Wind Power Production in Texas



Premier
Credit Rating



841k Electric¹

353k Gas

Our Customers

159

Years of Serving
San Antonio

Most Trusted Brand in the
South Region by MSI



\$11B - Assets
\$2.8B - Annual Revenue

¹ as of 1/31/19

Our Flexible Path

BALANCING THE TRIED & TRUE WITH THE NEW



FlexPOWER Bundle adds capacity with blended solar, storage and gas

Existing assets: gas, coal, nuclear, solar, wind and energy storage provide generation flexibility

Drones are used for monitoring, surveying and mapping purposes

Quick-cycle peaking units help meet excess demand

Energy storage smooths the supply of intermittent renewables

Demand Response through customers voluntarily reducing electricity use during periods of high demand

Street lights automatically adjust by dimming or brightening, based on traffic, maximizing energy efficiency

We enable public WiFi hubs and city service kiosks

Updated 'grid' allows for quicker response and power restoration

STEP rebates encourage use of energy-efficient appliances & HVAC

Our poles and wire are the backbone to support enhanced high-speed connectivity

Advanced technology for natural gas detection is safe and effective

Casa Verde STEP reduces energy loss with weatherization for income-qualifying homes

Simply Solar programs broaden access and interest in renewable energy solutions

Communication devices allow for real-time delivery of information across the network

Save for Tomorrow Energy Plan (STEP) & FlexSTEP provide financial incentives to customers for energy efficiency and conservation programs

Energy storage systems support industrial, government, commercial and residential customers

EPIcenter is an incubator for new and emerging clean energy technologies

Smart parking meters transmit downtown open parking availability

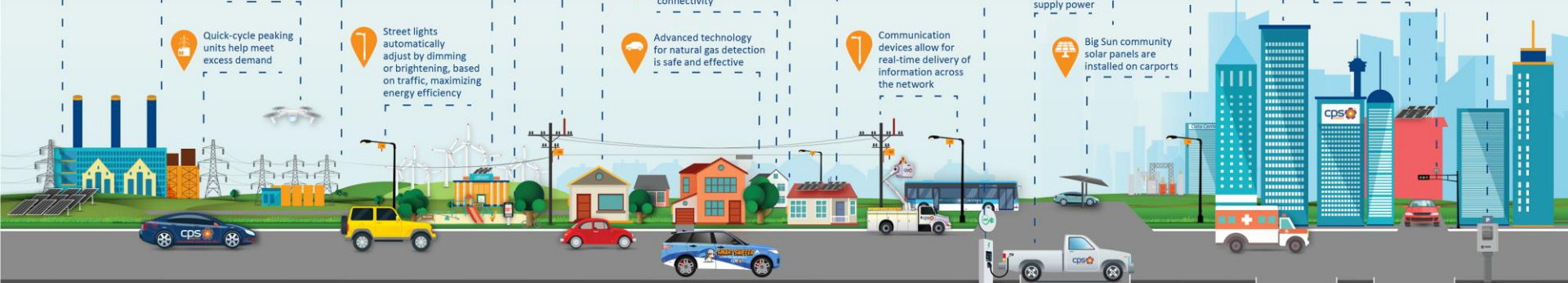
STEP & FlexSTEP increase the use of efficient lighting & programmable thermostats

App-enabled electric vehicle charging is also able to supply power

Enhanced Data Center expertise

Cameras enable better security

Big Sun community solar panels are installed on carports



CPS ENERGY RENEWABLE INSTALLATIONS



#1 IN SOLAR IN TEXAS



Alamo 7 Solar Farm 106.4 MW – Haskell, Texas



Alamo 6 Solar Farm 110.2 MW – Pecos County, Texas



CPS Energy has over 500 MW of Solar available.

CPS ENERGY SOLAR PROGRAMS



Solar Rebate
18.8K customers



SolarHostSA
599 rooftops



Roofless Solar
433 panel owners



As a leader in solar, CPS Energy continues to create innovative opportunities for customers.

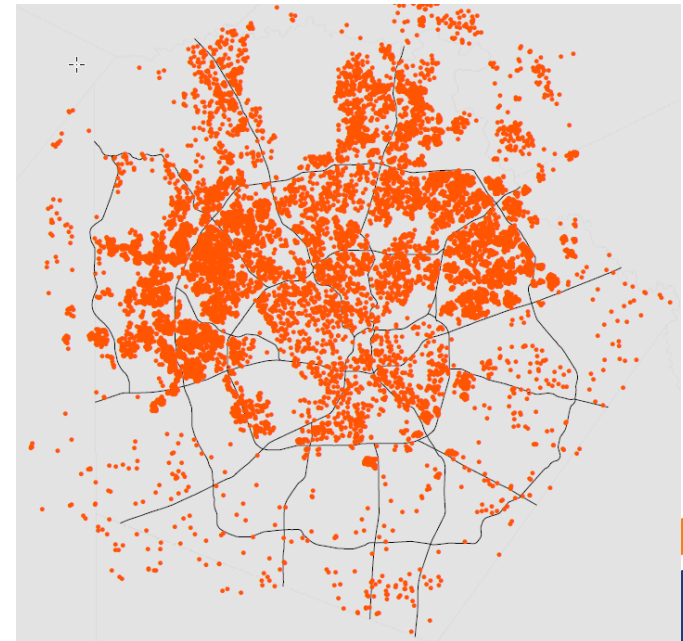
SOLAR REBATE PROGRAM OVERVIEW



Customer interest in owning solar is growing with 160 MW installed in our service area

Solar PV systems installed
as of May 2019

Total Customers	18,800
Total Capacity	160 MW
Registered Installers	80+
Local offices	60
Employment	1,000*



*Based on employment numbers reported by registered installers

SOLAR REBATE

INCENTIVE LEVEL



CPS Energy offers a rebate for customer-owned solar systems as part of its Save for Tomorrow Energy Plan (STEP)

Residential	
Incentive	\$2,500
Bonus for local panels	\$500
Commercial	
First 25 kW	\$0.60 per Watt-AC
kW > 25	\$0.40 per Watt-AC
Bonus for local panels	\$0.10 per Watt-AC

BIG SUN COMMUNITY SOLAR



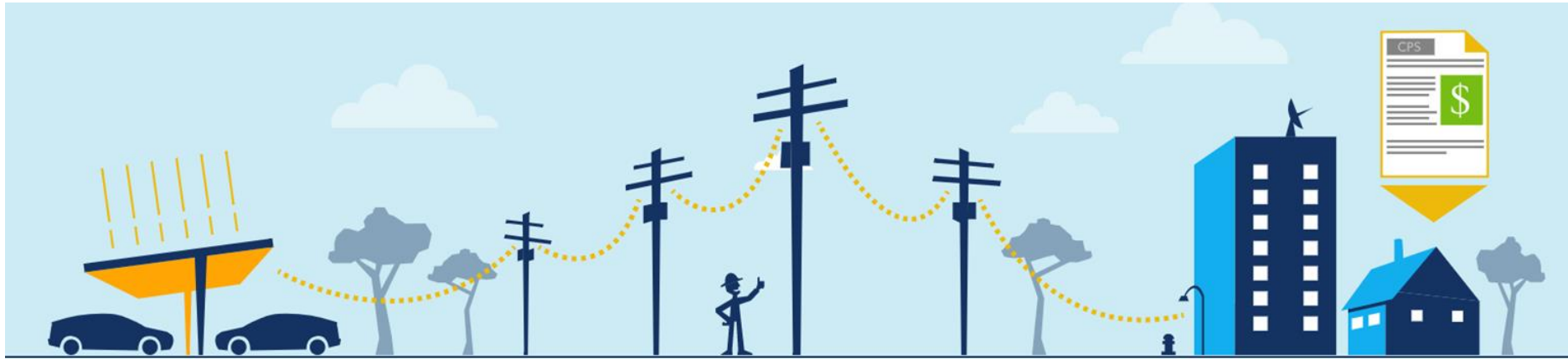
PROGRAM OVERVIEW

- 5 MW capacity to serve ~500-600 customers
- Partnered with Go Smart Solar
 - Local firm specializing in commercial solar
- Innovative concept to deploy solar on parking structures across the community
- Offers greater visibility compared to a typical single site solar project



Example of solar carport

HOW IT WORKS



1

Energy is captured
in sunny locations.

2

Go Smart Solar
manages that energy
for you.

3

Your Big Sun credit is
reflected on your monthly
CPS Energy electric bill.

Customers can buy solar panels and receive a credit on their electric bill as if solar was installed on their roof.

UNIQUE BUSINESS MODEL



1



Partner with real estate owners to offer covered parking to tenants

2



Deploy parking structures with ZERO capital outlay for real estate firms

3



Sell Big Sun panels to community

4



Credit customers based on ownership

Parking revenue helps decrease the cost of solar to customers.

PROGRAM DETAILS

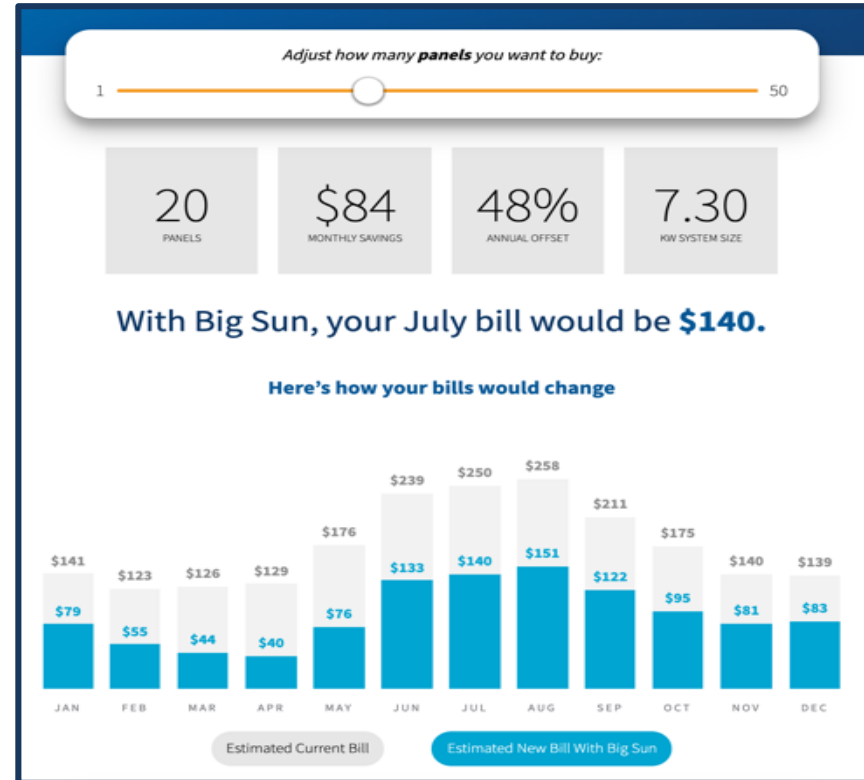


Big Sun Bill Credit

- Participating customers paid a bill credit for their share of production
- Program term of 25 years

Cost to Customer

- Each panel = 365 watts
- \$876 per panel
- \$2.40 per watt



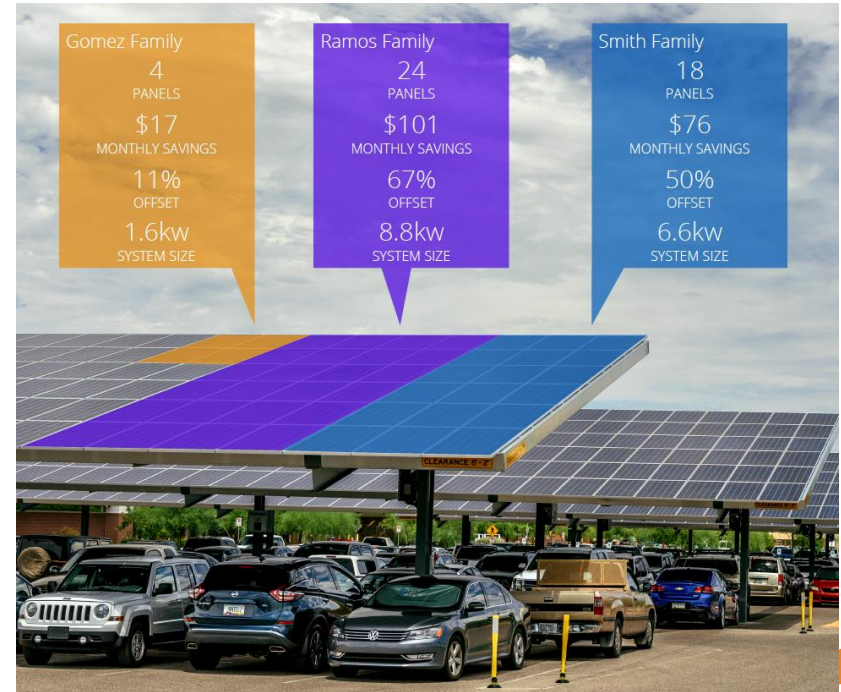
BENEFITS

Easier for customers to go solar:

- No panels on their roof
- Developer responsible for O&M
- Customers can buy as few as 1 panel

More solar for more customers:

- Ideal for renters
- Homes with structural or shading challenges



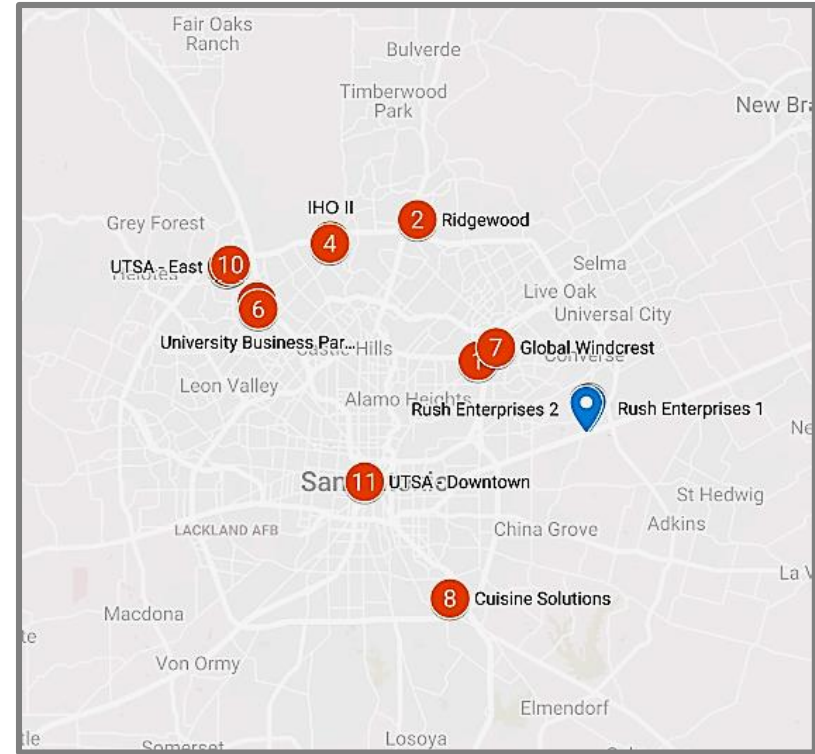
SOLAR CARPORTS

11 carport sites selected to date throughout our service territory:

- Program size requires approximately 2,000 parking spaces

Targeted sites for carports include:

- Office buildings
- Universities
- Entertainment centers
- Car dealerships



SOLAR CARPORTS

First carport constructed

- 150,000 SF professional office building
- Located in far north central San Antonio
- 36 covered parking spots
- System size: 83 kW AC



Covered parking at Ridgewood Plaza



Thank You