

# PG&E's Solar Choice Program



An Introduction to Community Solar Programs  
March 9, 2016



## Brief History

**April  
2012**

- PG&E files a Green Tariff application

**April  
2013**

- PG&E files a Settlement Agreement with several parties for a “steel in the ground” renewables option

**September  
2013**

- Governor Brown signs SB 43, the Green Tariff Shared Renewables Program bill, into law

**December  
2013**

- PG&E files testimony, showing conformance with SB 43

**January  
2015**

- CPUC Decision approves applications of the 3 IOUs, with modifications



# PG&E's Solar Choice Program Basics

<b>Energy Source</b>	<b>Pool of Solar Projects</b>
<b>Project Size</b>	<b>.5 to 20 MW</b>
<b>Project Location</b>	<b>PG&amp;E Service Area (Northern and Central CA)</b>
<b>Customer Purchase</b>	<b>50 or 100% of usage</b>
<b>Transaction</b>	<b>Premium on PG&amp;E Bill</b>

## First-Come, First-Served

- **PG&E bundled electric customers\*** are eligible for the program
  - Certain usage limitations apply for large customers
- 272 MW program cap, of which **45 MW are reserved** for residential customers.
- Enrollment open **until 2019** or until cap is reached, whichever comes first.
  - Once a customer enrolls, he/she may stay on the program beyond this date.
- Customers can leave the program at any time, without penalty.

**227 MW**  
Unspecified

**45 MW**  
Residential

\*100% Standby, non-metered service and Transitional Bundled Service customers are not eligible to participate. NEM customers will not be eligible initially but will be allowed to participate at a later point in time.



# Procurement

## Incremental, New Solar Projects

- In response to customer enrollment, PG&E will issue competitive solicitations for the power and sign **long-term contracts for new solar resources** within our service area.
- Independent of customer enrollment, **52.75 MW of solar resources** have been procured to meet the 50 MW minimum CPUC advance procurement goal.



**272 MW  
Total**

- 45 MW Environmental Justice
- 20 MW Davis
- 207 MW Unspecified

## Interim Resources

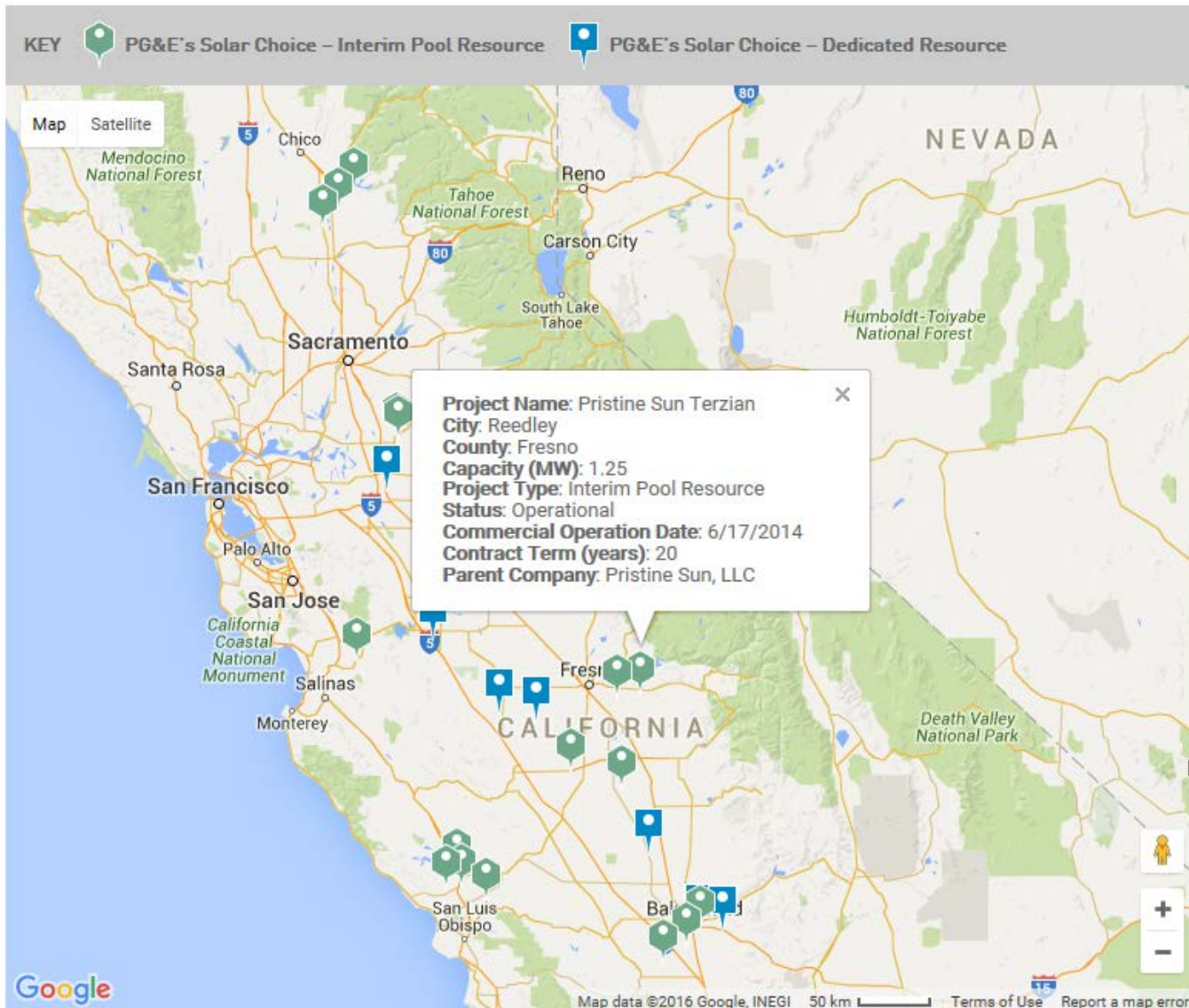
- Prior to new projects coming online, participants to be served by recently developed solar resources of the same type from PG&E's Renewables Portfolio Standard (RPS) program.

## Beyond State Mandate

- All program resources are **above and beyond** PG&E's renewables portfolio requirements.



# Project Map





# PG&E's Solar Choice Pricing

Customers may enroll for 50% or 100% of their electric usage and **remain on their regular base rate schedule.**

In addition to regular charges, customers are assessed the following charges on enrolled kWh every month:

The total customer premium ranges from **2.81 to 4.85 cents/kWh**, depending on the customer class.

The current residential customer premium is **3.58 cents/kWh.**

## Details of Electric Charges

01/25/2016 - 02/23/2016 (30 billing days)

Service For:

Service Agreement ID:

Rate Schedule: E6 TB Residential Time-of-Use Service

Enrolled Programs: SmartRate™, PG&E's Solar Choice Plan - 100%





















01/25/2016 – 02/23/2016	Your Tier Usage	1	2	3	4
Tier 1 Allowance	255.00 kWh	(30 days x 8.5 kWh/day)			
Tier 1 Usage					
Part Peak	37.350000 kWh	@ \$0.17017			\$6.36
Off Peak	217.650000 kWh	@ \$0.15334			33.37
Tier 2 Usage					
Part Peak	11.205000 kWh	@ \$0.20413			2.29
Off Peak	65.295000 kWh	@ \$0.18730			12.23
Tier 3 Usage					
Part Peak	15.531600 kWh	@ \$0.26166			4.06
Off Peak	90.520800 kWh	@ \$0.24483			22.16
PG&E's Solar Choice Plan Details <sup>1</sup>					
Solar Charge	437.552400 kWh	@ \$0.09550			41.79
Program Charge	437.552400 kWh	@ \$0.01368			5.99
PCIA	437.552400 kWh	@ \$0.02323			10.16
Generation Credit	437.552400 kWh	@ -\$0.09660			-42.27
Energy Commission Tax					0.13
<b>Total Electric Charges</b>					<b>\$96.27</b>

<sup>1</sup> Your total cost of participating in PG&E's Solar Choice Plan this period is **\$15.67**. This is included in the Total Electric Charges amount. If you have any additional questions, please visit our website at [pge.com/solarchoice](http://pge.com/solarchoice).

2015 Vintaged Power Charge Indifference Adjustment (PCIA)



# Online Rate Calculator

<h3>TYPE OF SERVICE</h3> <p>Choose type of service:</p> <p><input checked="" type="radio"/> Residential <input type="radio"/> Commercial</p> <p>Usage Level:</p> <p><input type="radio"/> 50% <input checked="" type="radio"/> 100%</p>	<h3>MONTHLY USAGE</h3> <p><input type="text" value="500"/> kWh </p> <p><i>Estimated Residential Usage:</i> 500 kWh average, 300 kWh low, 700 kWh high</p> <p><a href="#">Get Results</a></p>	<h3>COSTS</h3> <p>Estimated additional monthly cost: <b>\$17.91</b></p> <p>Estimated premium: <b>3.58 Cents/kWh</b></p>
<p>Equivalencies that are presented are based on annual values. They are estimates and are not actual values.</p>		
<h3>ANNUAL EQUIVALENTS</h3> <p>Avoided lbs of CO2 emissions: <b>5661 lbs</b></p> <p> = 1000 lbs</p> <p>    </p>	<p>Gallons of gasoline not consumed: <b>289 gallons</b></p> <p> = 50 gallons</p> <p>    </p>	<p>Tree seedlings grown for 10 years: <b>66 trees</b></p> <p> = 10 tree seedlings</p> <p>     </p>





# Green-e Energy Certification

## Independent Certification

- PG&E's Solar Choice program is **Green-e Energy** certified, the nation's leading voluntary certification program for renewable energy



**Energy**  
CERTIFIED

## Verification Process

- RECs support new projects built for the voluntary market, not to satisfy a state or federal requirement
- Marketing Compliance review to ensure accuracy of marketing claims
- Annual verification audit of accounting and tracking of certified energy



# PG&E's Solar Choice Customer Benefits

## Deliveries from Day 1

- Through the use of the interim pool of resources, customers can purchase solar energy from existing resources while new projects are developed to meet program demand.

## Can Move with You

- Customers can retain their participation in the program when they move within the PG&E service area.

## Drives the Growth of New Solar

- By participating in the program, customers are driving the development of new renewable energy facilities and green jobs in California.

## Local Project Development

- For ongoing procurement, projects will be solicited in the communities with the **highest level of enrollment**, and elsewhere as demand warrants.



# Thank You

Karly Silicani  
Sr. Product Manager  
[K5SG@pge.com](mailto:K5SG@pge.com)

[www.pge.com/solarchoice](http://www.pge.com/solarchoice)

