

Sustainability Committee

Greg Hoaglin
Executive Manager
Pacific Gas and Electric Company
May 7, 2014



You Have Choices

- ***Buy power from PG&E***
- ***Buy power from another provider***
- ***Generate some of your own***



Solar



Wind

Regardless of Your Choice

- ***PG&E continues to deliver the power you need***
- ***PG&E continues to maintain electric infrastructure and respond to outages***
- ***PG&E continues to send you a bill***





ENERGY STATEMENT

www.pge.com/MyEnergy

DRAFT

Account No: 1023456789-0
 Statement Date: 07/17/2014
 Due Date: 08/07/2014

Service For:
 Brenda Alvarez
 1234 Main Street
 Apt. 3C
 Santa Rosa, CA 95404

Your Account Summary

| | |
|--|----------|
| Amount Due on Previous Statement | \$404.99 |
| Payment(s) Received Since Last Statement | -404.99 |
| <hr/> | |
| Previous Unpaid Balance | \$0.00 |
| Current PG&E Electric Delivery Charges | \$83.15 |
| Sonoma Clean Power Electric Generation Charges | 28.55 |
| Current Gas Charges | 34.91 |

Questions about your bill?
 24 hours per day, 7 days per week
 Phone: 1-866-743-0335 or
www.pge.com/MyEnergy

Total Amount Due by 08/07/2014 **\$146.61**

Local Office Address
 111 Stony Circle
 Santa Rosa, CA 95401

Monthly Billing History

Daily Usage Comparison

| | 1 Year Ago | Last Period | Current Period |
|--------------------|------------|-------------|----------------|
| Electric kWh / Day | 25.4 | 29.1 | 32.2 |
| Gas Therms / Day | 1.7 | 2.2 | 2.5 |

Visit www.pge.com/MyEnergy for a detailed bill comparison.

About PG&E

We provide electricity and natural gas to about 15 million Californians



| | |
|---|---|
| Employees | About 20,000 |
| Electric and natural gas distribution customers | 5.1 million electric 4.3 million gas |
| Communities served in California | 49 counties 243 cities |
| Service territory | 70,000 square miles |

PG&E in Mission Division

- **655 employees; 943 PG&E retirees**
- **Infrastructure investment in 2013**
 - \$94 million for electric projects (year 2 of 5-year modernization plan)
 - \$43 million for natural gas projects
- **Community involvement in 2013**
 - 166 employee volunteer hours at 58 local events
 - \$169,000 for Campaign for the Community
 - \$414,000 in PG&E Community Investment

PG&E in Mission Division

Major Community Programs:

- PG&E Bright Minds Scholarship Program
- PG&E Bright Ideas Grants to Schools

Nearly \$415,000 in the Mission Division in 2013

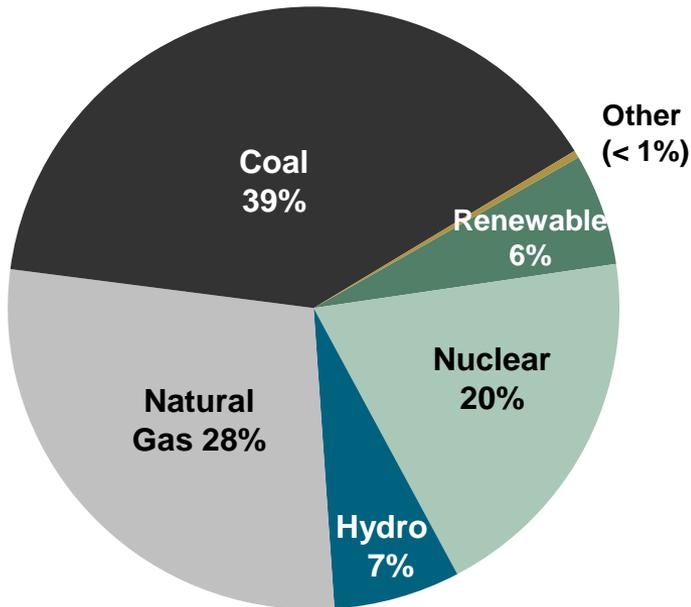


Nonprofits supported by PG&E in Mission Division in 2013

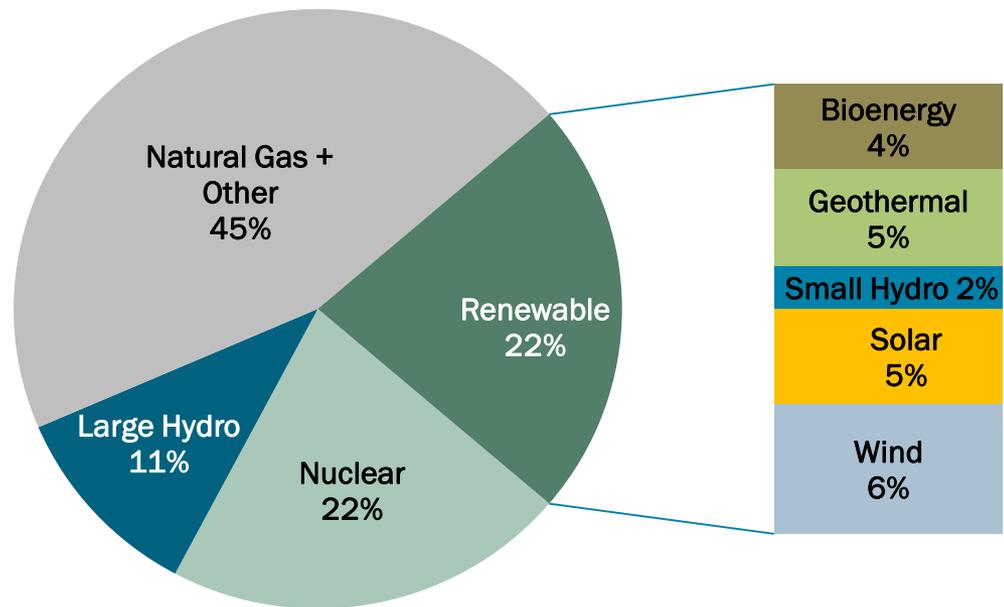
- Agape Villages Inc
- Alameda County Office of Education/Newspaper in Education Fund
- Bay Culture Inc
- Be A Mentor Inc
- Biletnikoff Foundation
- Black Adoption Placement and Research Center
- Cancer Prevention Institute Of California
- City of Fremont
- Dougherty Valley San Ramon Rotary Foundation
- Eden Information & Referral Service, Inc.
- Federation Of Indian Association Of Northern California
- Girls Incorporated of Alameda County
- Hayward Rotary Club Foundation
- Keep Music Rockin Foundation
- Las Positas College Foundation
- Livermore Valley Winegrowers Foundation
- Ohlone College Development Foundation
- Reality Mentor Incorporation
- San Ramon Arts Foundation
- San Ramon Presbyterian Church
- San Ramon Valley Education Foundation
- Sentinels Of Freedom Scholarship foundation
- Shelter Providers Of Northern California Inc
- Society Of Women Engineers
- Spectrum Community Services Inc
- The Davis Street Community Center Incorporated
- Kee Kitayama Research Foundation
- Andrew Christiansen Middle School (Bright Ideas Grant Program)
- Valley View Elementary (Bright Ideas Grant Program)

Electric Generation Mix

U.S. 2013



PG&E 2013 (preliminary data)

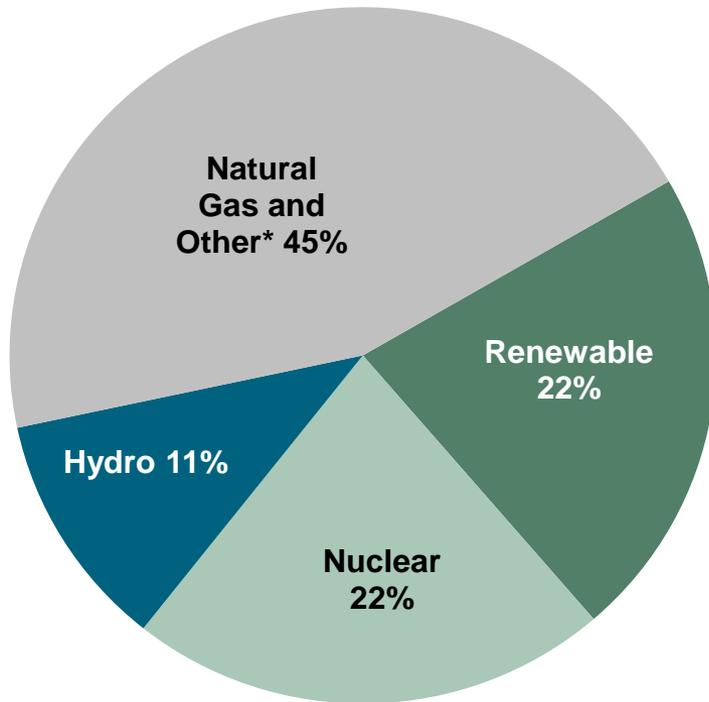


Data represents electric generation from December 2012 through November 2013.
Source: EIA http://www.eia.gov/electricity/monthly/update/resource_use.cfm#tabs_gen-1

Other includes market purchases, other fossil resources.
Source: 2013 delivery statistics are preliminary and subject to an independent audit and verification that will not be completed until October 1, 2014.

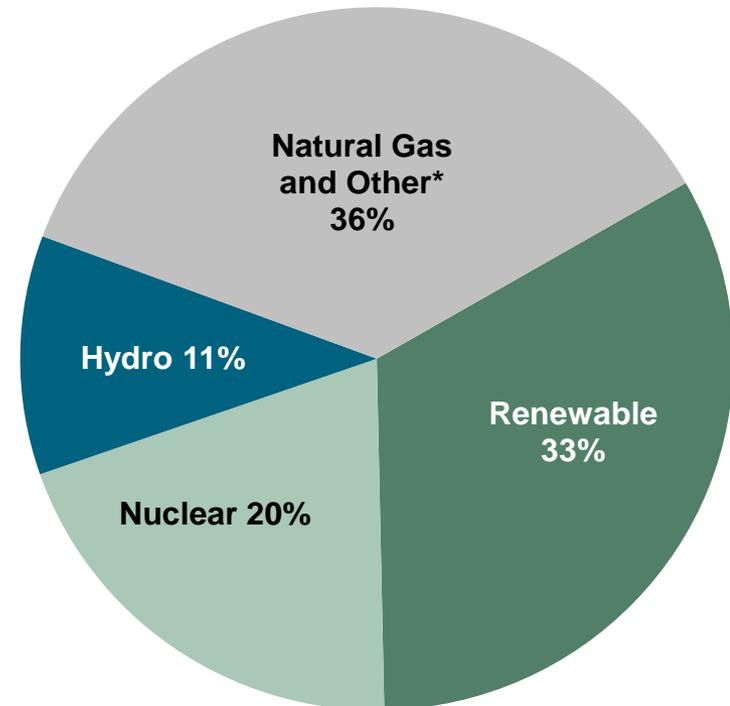
PG&E's Electric Generation Mix

2013 Preliminary



Total GWh: 76,000

2020 Projected

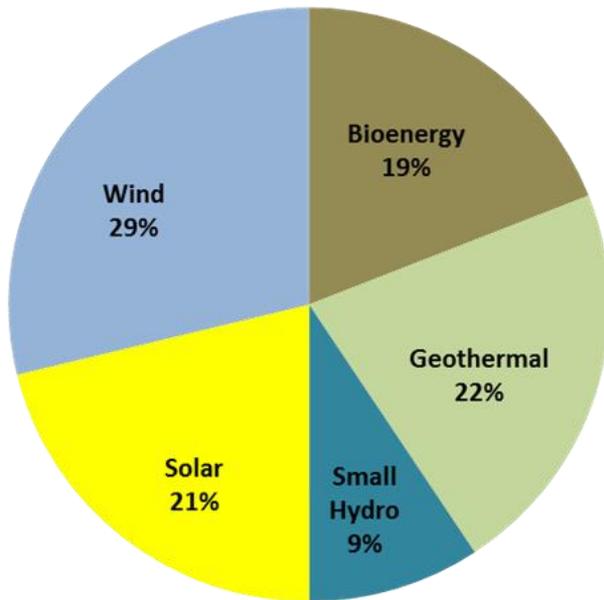


Total GWh: 81,000

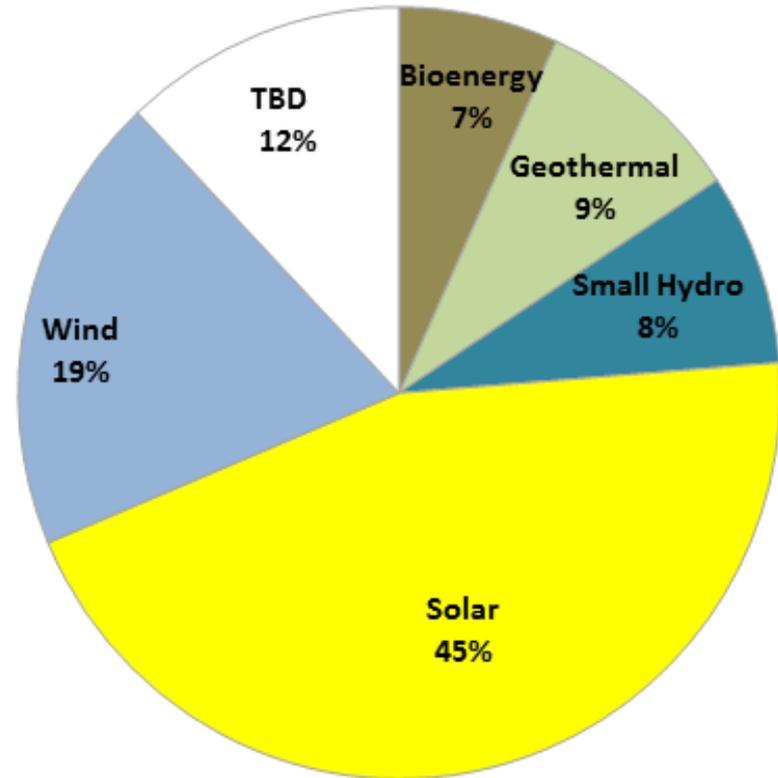
* Other includes market purchases, other fossil resources. GWh = gigawatt hours.
Source: 2013 delivery statistics are preliminary and subject to an independent audit and verification that will not be completed until October 1, 2014.

Sources of Renewable Power – Today and in 2020

2013 Preliminary
22% of total bundled retail sales

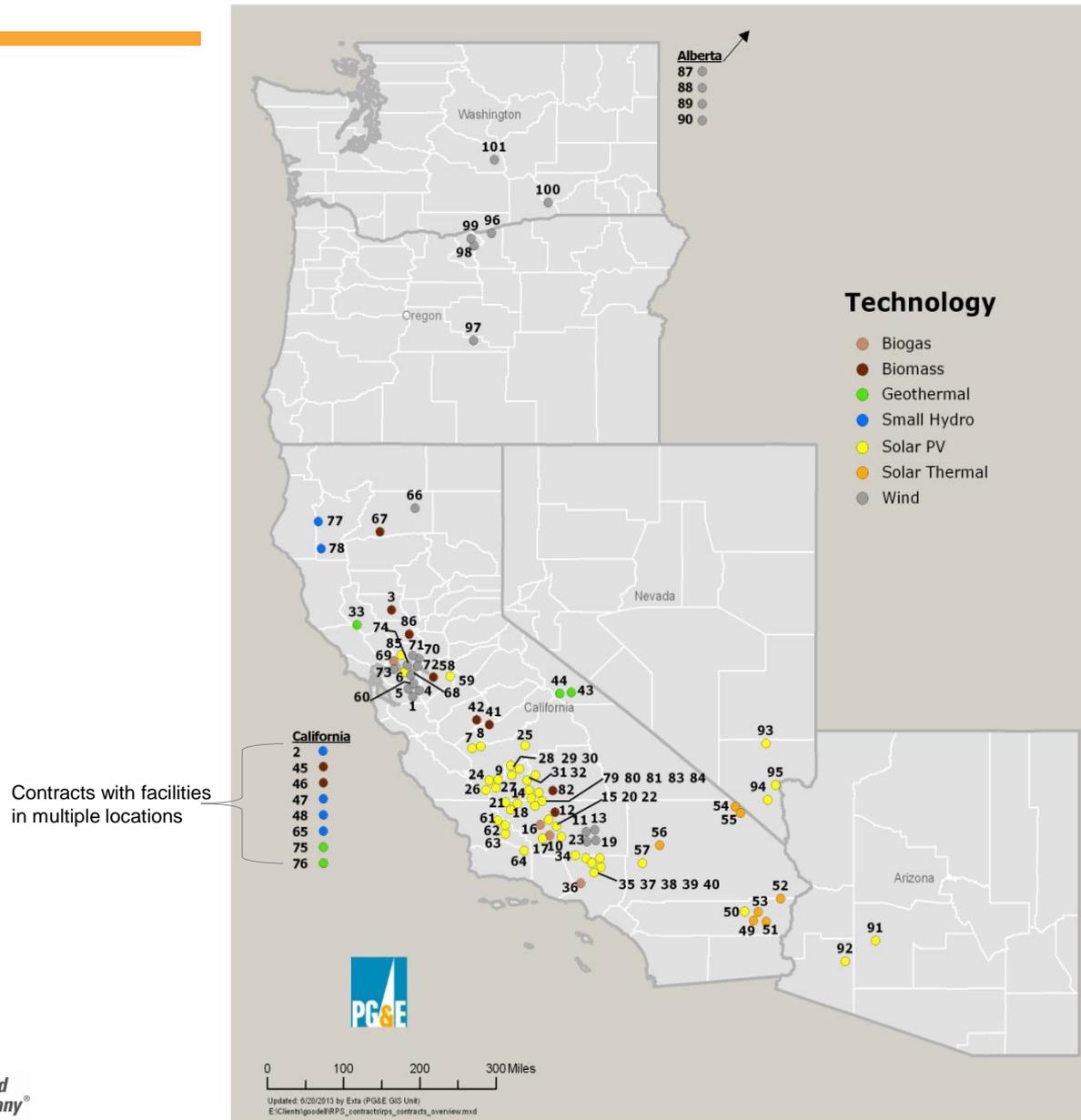


2020 Projected
33% of total bundled retail sales



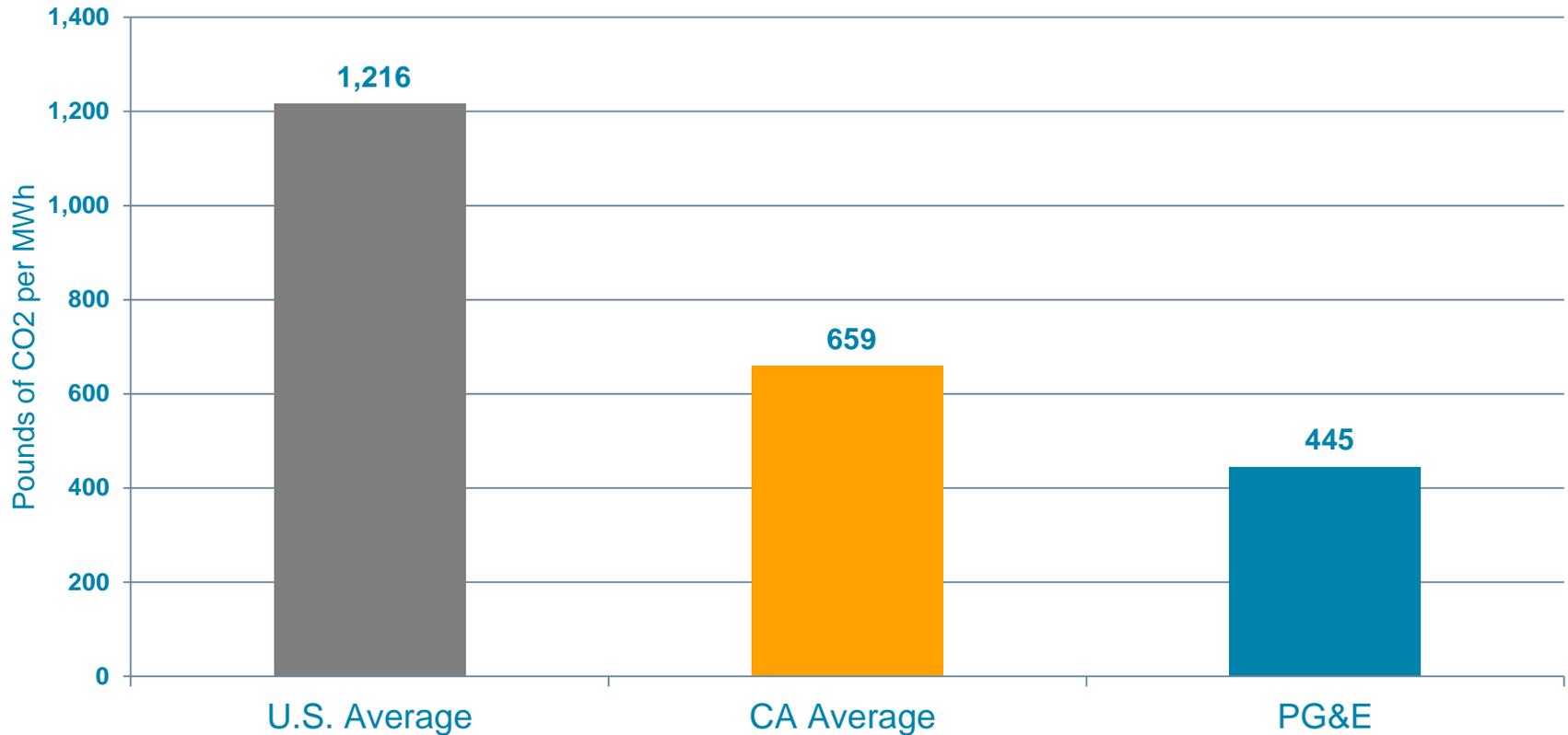
Source: PG&E's 2013 10-K filing and PG&E's 2013 IEPR Forecast. Last updated February 2014.

Location of PG&E's Renewable Resources



Benchmarking PG&E's 2012 Emissions

CO₂ Emissions for Delivered Electricity

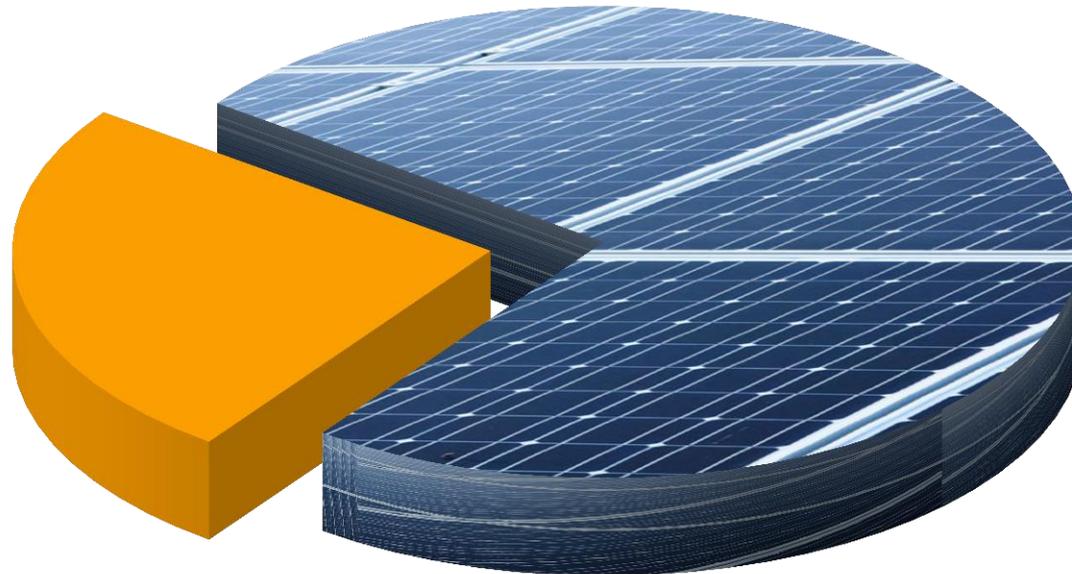


Source: U.S. and CA averages, U.S. Environmental Protection Agency.

Source: The Climate Registry, a third party verification of greenhouse gas emissions data.

PG&E is a Leader in Retail Solar Photovoltaic

One-fourth of customer solar installations in the U.S. are in PG&E's service territory



■ PG&E ■ All Other U.S. Utilities Combined

Source: Annual survey by the Solar Electric Power Association for 2012 (2013 results available June 2014).

Rooftop Photovoltaic for PG&E and Mission Division

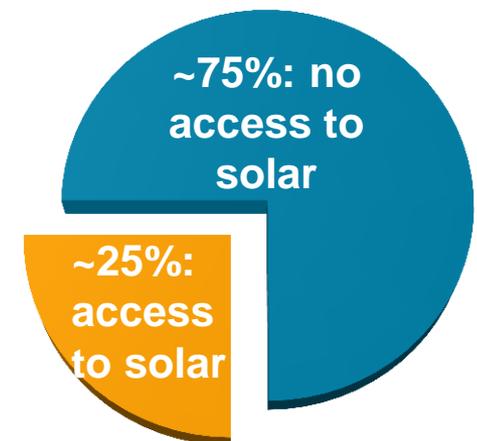


| PG&E Service Area | | Mission | |
|-------------------|---------|---------------|-------|
| Installations | 106,520 | Installations | 6,075 |

Data as of 12/31/2013; MW = megawatt

PG&E's Green Option

- ***Option for customers to purchase up to 100% renewable energy***
- ***Power to come from solar projects built in PG&E's service area***
- ***Scheduled to be decided by CPUC this summer***
- ***Provides an option for those customers, such as renters, who don't have access to solar today***
- ***Open to residential and non-residential customers***



Green Option Overview

- Ruling expected in July 2014. Offered to customers mid-2015.
- The program will be open to new enrollees for 5 years or up to a total program cap of 272MW of solar capacity, whichever occurs first.
 - Customers can lock in a fixed price per kwh for the solar energy.
 - Customers also pay charges for program administration and other costs related to solar energy. However...
 - Customers will receive a bill credit for generation costs that PG&E avoids, adjusted to reflect the higher on-peak value of solar energy.
 - The difference (net cost) is likely to start at about three to four cents per kwh, but diminish over time if PG&E's overall generation costs increase.
- Customers able to stay on the program past the 5 year enrollment window.

Two Ways for Customers to Participate

2 Customer Options

Standard Green Option

**Pool
of Solar PV Projects**
Projects 0.5 - 20 MW



- Customers subscribe to x% of their usage (e.g. 50%, 100%)
- Likely cost at outset: \$0.03-\$0.04/kWh

**Enhanced Community
Renewables (ECR)**
“Single Project Option”

**One Solar PV Project
near the customer***



Projects 0.5 - 3 MW

- Customers subscribe to x kW (e.g. 1 kW, 2 kW)
- Likely cost at outset: a few cents higher than standard option

PG&E Invests in Alternative Fuel Technologies

From CNG and flex-fuel...



...to fully electric



...to custom hybrids



Over 21% of PG&E's fleet uses alternative fuel

PG&E's fleet ranks #3 in the U.S. for number of electric vehicles (#1 for energy utilities)
Automotive Fleet Magazine

2013 Recognition for PG&E as Sustainability Leader

- ***American Council for an Energy-Efficient Economy***

PG&E awarded “top honors” for six of its energy efficiency programs; programs were recognized nationally as “exemplary” for their “effectiveness and innovation in helping customers achieve greater levels of energy efficiency in their homes, businesses, and industries.”

- ***Corporate Responsibility Magazine – 100 Best Corporate Citizens***

PG&E ranked 37th of top 100 companies that best advance corporate responsibility and sustainability through disclosure, policy and performance.

- ***Dow Jones Sustainability North America Index***

PG&E recognized for 6th straight year and one of only seven U.S. energy utilities, for ongoing commitment across the economic, environmental, and social dimensions of sustainability.

- ***Solar Electric Power Association – 2012 Utility Solar Rankings***

PG&E recognized for 5th straight year; ranked first in nation among utilities for most solar megawatt capacity added.

- ***U.S. Environmental Protection Agency – 2013 Energy Star Partner of the Year-Sustained Excellence Award***

PG&E recognized for continued leadership in protecting the environment through its long-term commitment to energy efficiency.

Other Services We Provide

- **Rebates for investing in energy efficiency***
- **Help paying your bill***
- **Access to online energy information***
- **Alternative pricing plans (Time-of-Use)***
- **CARE¹ and Medical Baseline***

* These services are available to customers whether they choose PG&E or Sonoma Clean Power to provide their electricity.

1. California Alternate Rates for Energy



Online Information



Home Energy Reports

Energizing California
for 150 Years



***Pacific Gas and
Electric Company***[®]
