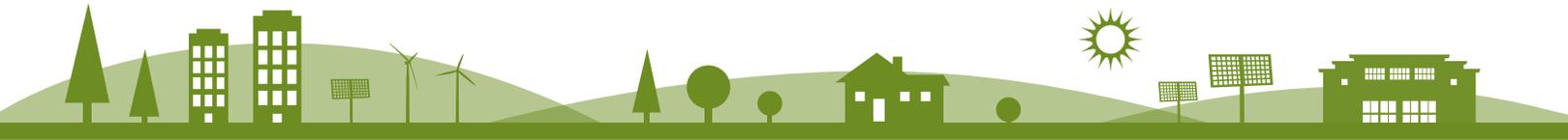


Green Power Report

Spring 2016

SANTA CLARA
greenpower



Program update

2015 was the biggest year yet at **Santa Clara Green Power!** The most memorable honor came from our win as a 2015 EPA Green Power Supplier of the Year, an award recognizing the country's top green power suppliers leading the charge in offering voluntary renewable energy options to their customers. As one of only three national winners, we couldn't have done this without you.

Even more, Santa Clarans collectively avoided 44,990 tons of harmful emissions with their green electricity use of nearly 180 million kilowatt-hours (kWh). That's equivalent to removing 9,472 cars from the road for one year¹. Impressive.

What's next for 2016? You can expect to see us out and about in your neighborhoods encouraging your fellow Santa Clarans to enroll in **Santa Clara Green Power**.

Thank you, Santa Clara, for helping us create a brighter future and a better world.

The **Santa Clara Green Power** Team

The Movers and Shakers of SCGP

Being in the heart of Silicon Valley, Santa Clara is home to some powerhouse energy users. A few of these movers and shakers are key contributors to **Santa Clara Green Power**—Applied Materials, Santa Clara University, and the City of Santa Clara all purchase between 3,000,000 and 43,000,000 kWh of renewable energy each year (that's a lot of power).

Applied Materials has been recognized as an EPA Green Power Partner for their widespread adoption of renewable energy. In fact, they've been a partner with **Santa Clara Green Power** since 2006. Fun fact: Among many other technologies, Applied Materials manufactures parts for solar panels!

Santa Clara University (SCU) has been a **Santa Clara Green Power** partner since 2008, after the president signed the American College & University Presidents' Climate Commitment (ACUPCC). Their goal? Climate neutrality (including eliminating all carbon dioxide emissions) by 2020. Clean energy is plays a critical role in meeting that goal.

2015 "BY THE NUMBERS"

4,838

customers served

180

million kWh

1 of 3

national recipients of the EPA 2015 Green Power Supplier of the Year award

5

MWh of green power donated to the Santa Clara Art & Wine Festival and the Super Community Tree Lighting

¹Emission and environmental equivalency claims based on the 2013 SVP fuel supply emission factor and EPA Greenhouse Gas Equivalencies Calculator (www.epa.gov/energy/greenhouse-gas-equivalencies-calculator)

"We are so proud to have Silicon Valley Power as a partner in helping us reach our University climate neutrality goal. In addition to climate education, on-campus renewable energy generation, and campus efforts of energy reduction, we'll get to net zero greenhouse gas emissions from our electricity use thanks to the **Santa Clara Green Power** program!" - Cara Uy, SCU Sustainability Coordinator

The City of Santa Clara, a recognized EPA Green Power Community since 2008, has been a national leader of city-wide sustainability measures, as shown by their municipal Climate Action Plan, adopted in 2013. By purchasing 100% renewable power through **Santa Clara Green Power**, the city significantly reduces its emissions from electricity.

"Supporting **Santa Clara Green Power** is our way of showing Santa Clarans that we're serious about sustainability and are doing our part to reduce greenhouse gas emissions." - Mayor Lisa Gilmore

Energy Basics: Kilo-what?

Kilowatts. We all use them, we pay for them by the hour every month. But what are they?

A “watt”, named after Scottish engineer James Watt, is a unit of measurement that represents how much power (electricity) it will take to get something done. Consider an incandescent light bulb. You may be surprised to learn that the wattage has nothing to do with the brightness of the bulb. Rather, it has to do with how much power the bulb needs to do work, or illuminate. In the case of a 100-watt bulb, it will take 100 watts of power for every moment that light bulb is in use. The same is true for CFL or LED bulbs, but they are designed to use less power to provide the same amount of light.

As a unit of measurement, a watt is actually quite small, making it necessary to talk about watts in terms of kilowatts (one thousand watts) and megawatts (one million watts).

Electricity is billed in “kilowatt-hours”. The addition of “hours” represents how many watts were used over the course of time. For example, a clothes dryer may use 3,000 watts of power. That means it needs 3,000 watts of power to turn on and 3,000 watts (or three kilowatts) of power for each moment it runs. If the same three kilowatt dryer runs for one hour, the home is billed for three kilowatt-hours.

Reduce your kilowatt-hour usage by switching out light bulbs and appliances for more energy efficient models. And, as always, be thoughtful about your energy use.

PRODUCT CONTENT LABEL¹

Santa Clara Green Power is a voluntary renewable energy program from Silicon Valley Power that matches 100% of your estimated monthly electricity usage with wind and solar. This table provides the renewable resource mix in **Santa Clara Green Power** in 2015, as well as the projected resource mix in 2016.

Green-e Energy Certified New² Renewables in Santa Clara Green Power

| | 2015 Historic Product Content Label | | 2016 Prospective Product Content Label | |
|-------|-------------------------------------|---------------------|--|--|
| | | Generation Location | | Generation Location |
| Wind | 19% | WA, OR, and ID | 15% | AZ, CA, CO, ID, MT, NM, NV OR, UT, WA, or WY |
| Solar | 81% | CA | 85% | CA |
| Total | 100% | | 100% | |

1. For the 2015 Historic Product Content Label, these figures reflect the power delivered to **Santa Clara Green Power's** customers in 2015. The 2016 Prospective Product Content Label figures reflect the renewables that we have contracted to provide. Actual figures may vary according to resource availability. We will annually report to you before August 1 of next year in the form of a Historic Product Content Label the actual resource mix of the electricity you purchased.

2. New Renewables come from generation facilities that first began commercial operation within the past 15 years. This product may include generation from facilities that were approved for extended use under a strict set of criteria by Green-e Energy and/or qualify as repowered.

For comparison, the current average mix of resources supplying Silicon Valley Power includes: Coal (8.4%), Natural Gas (43.7%), Large Hydroelectric (17.7%), Unspecified (6.0%), and Eligible Renewables (24.2%).

The average home in the United States uses 909 kWh per month. [Source: U.S. EIA, 2013]

For specific information about this electricity product, please contact Silicon Valley Power at **408-244-SAVE (7283)**, email green@siliconvalleypower.com, or visit siliconvalleypower.com/green.



Santa Clara Green Power is Green-e certified, and meets the environmental and consumer-protection standards set forth by the nonprofit Center for Resource Solutions. Learn more at green-e.org.