

Understanding & Saving Money on Your Electricity Bill

Thursday, 10/31

Sonoma Clean Power

Who we are



Power with Purpose

- Public agency that serves approximately 85% of businesses and homes in Sonoma and Mendocino Counties with clean energy
 - 4% of total load are vineyards and wineries
- Default service provider
- Self-funded through revenues – no tax dollars
- Run by a Board of Directors and Community Advisory Committee
- Provides offers and incentives tailored to our community



How Energy Works



generation
SCP

buys cleaner energy sources, provides programs

delivery
PG&E

delivers energy, maintains the grid, provides bill

customer
YOU

cleaner energy, local control and competitive rates



Service Territory

Sonoma County (except Healdsburg) – 2014

- Cloverdale, Cotati, Petaluma, Rohnert Park, Santa Rosa, Sebastopol, Sonoma, Windsor
- Unincorporated Sonoma County

Mendocino County (except Ukiah) – 2017

- Fort Bragg, Point Arena, Willits
- Unincorporated Mendocino County



Innovative. Practical. Inclusive.

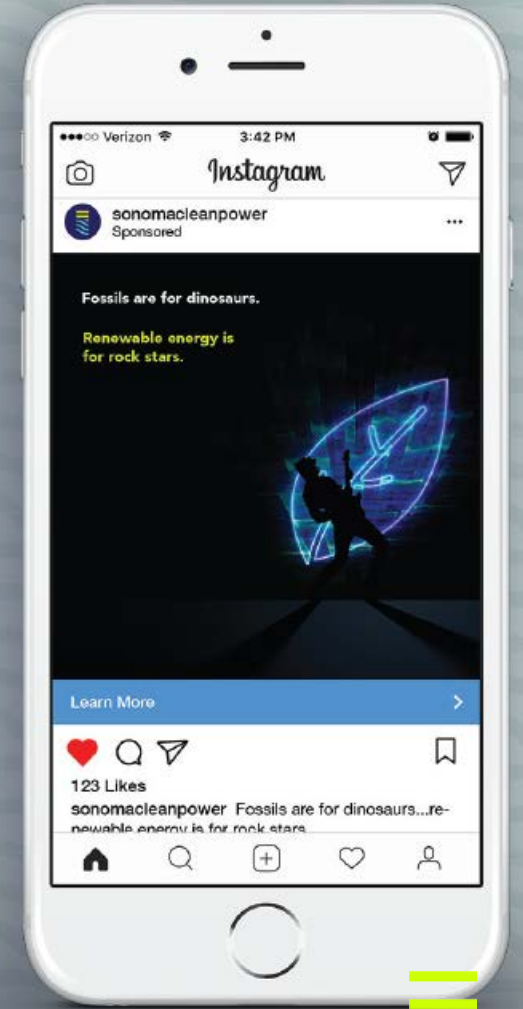
Sonoma Clean Power is turning the tide on the climate crisis, through bold ideas and practical programs.

- Provides competitive rates and maintains significant reserves to keep rates stable.
- Provides a high percentage of renewable energy and reduce greenhouse gas emissions.
- Reacts and responds to local needs.
- Delivers customer programs that make a difference.

51% Renewable

88% Carbon-Free

- CleanStart - Default service
- Competitive rates - Mix of renewables, carbon-free energy, and general system power



SCP EverGreen

- 100% renewable, local 24/7
 - 88% geothermal
 - 12% solar
- Optional service available to business and residential customers
- Premium of \$0.025/kWh
- Low Carbon: 70 lbs CO₂e/MWh



Reach Sustainability Goals through EverGreen

California Sustainable Winegrowing Alliance

- Achieve highest level (Category 4) for Renewable Sources of Power (Section 9-12).
- Show progress toward Greenhouse Gas Emissions Intensity performance metric.

Lodi Rules for Sustainable Winegrowing

- Receive maximum points for Business Management (Sec. 1.10: Alternative Energy) and Water Management (Sec. 5.5: Power used to deliver water to the vineyard).

Sustainability in Practice Certified

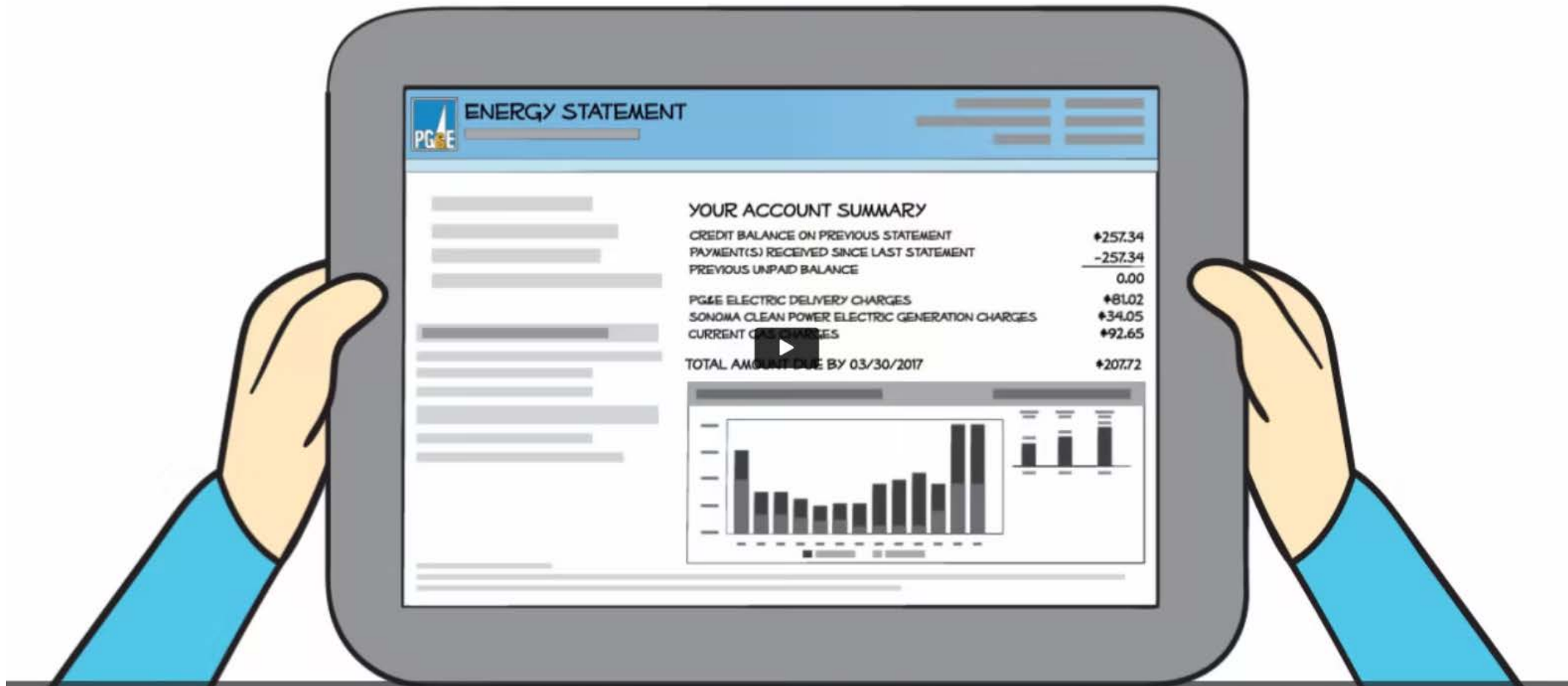
- Achieve 6.8 Alternative Energy requirements by increasing percentage of electricity that comes from renewable sources.

Note that Fish Friendly Farming does not address energy in their certification.

Next up: Billing

How to read your bill





AS A SHARED CUSTOMER OF SONOMA CLEAN POWER AND PG&E, YOU STILL RECEIVE ONLY ONE BILL FROM PG&E WITH SONOMA CLEAN POWER'S CHARGES ON IT. LET'S EXPLORE THE BILL A BIT MORE.



Billing: Page 1



ENERGY STATEMENT
www.pge.com/MyEnergy

Account No: 1023456789-0
Statement Date: 12/28/2022
Due Date: 01/18/2023

Service For:

MICHAEL JOSEPH
281 GINO DR
SANTA ROSA, CA 95401

Questions about your bill?

Mon-Fri 7 a.m.-7 p.m.
Saturday 8 a.m.-5 p.m.
Phone: 1-800-743-5000
www.pge.com/MyEnergy

Ways To Pay

www.pge.com/waystopay

Your Account Summary

Amount Due on Previous Statement	Payment(s)	\$200.28
Payment(s) Received Since Last Statement		-200.28
Previous Unpaid Balance		0.00
Current PG&E Electric Delivery Charges		\$104.30
Sonoma Clean Power Electric Generation Charges		68.88
Current Gas Charges		162.66
Total Amount Due by 01/18/2023		\$335.84

- Once you establish service for your business through PG&E, your service will start automatically with SCP and your SCP charges will be presented on your PG&E bill.
- These are not duplicative charges, but charges for two different services: PG&E electric delivery service and SCP electric generation service.



Billing: PG&E Delivery Charges



ENERGY STATEMENT

www.pge.com/MyEnergy

Account No: 1023456789-0
Statement Date: 12/28/2022
Due Date: 01/18/2023

Details of PG&E Electric Delivery Charges

11/21/2022 - 12/20/2022 (30 billing days)

Service For: 281 GINO DR

Service Agreement ID: 0012345678

Rate Schedule: Time-of-Use (Peak Pricing 4 - 9 p.m. Every Day)

11/21/2022 - 12/20/2022

Baseline Allowance	291.00 kWh	(30 days x 9.7 kWh/day)	
Energy Charges			
Peak	167.644000 kWh	@ \$0.39193	\$65.70
Off Peak	337.481000 kWh	@ \$0.28011	126.42
Baseline Credit	291.000000 kWh	@ - \$0.09054	-26.35
Generation Credit			-72.10
Power Charge Indifference Adjustment			10.15
Franchise Fee Surcharge			0.48

Total PG&E Electric Delivery Charges \$104.30

2014 Vintaged Power Charge Indifference Adjustment

Service Information

Meter # 1005868421
Total Usage 505.125000 kWh
Baseline Territory X
Heat Source B - Not Electric
Serial Z
Rotating Outage Block 50



Billing: SCP Generation Charges



ENERGY STATEMENT

www.pge.com/MyEnergy

Account No: 1023456789-0
Statement Date: 12/28/2022
Due Date: 01/18/2023

Details of Sonoma Clean Power Electric Generation Charges

11/21/2022 - 12/20/2022 (30 billing days)

Service For: 281 GINO DR

Service Agreement ID: 0012345678 ESP Customer Number:1234567890

11/21/2022 - 12/20/2022

Rate Schedule: E-TOU-C

EverGreen 505.125000 kWh @ 0.02500 \$12.63

Generation - Off Peak - Winter 337.481000 kWh @ 0.11597 39.14

Generation - On Peak - Winter 167.64400 kWh @ 0.13099 21.96

GridSavvy Credit -5.00

Net Charges 68.73

Energy Commission Surcharge 0.15

Total Sonoma Clean Power Electric Generation Charges \$68.88

Service Information

Total Usage 505.125000 kWh

For questions regarding charges on this page, please contact:

Sonoma Clean Power

P.O. Box 1030

Santa Rosa, CA 95402

1-855-202-2139

www.sonomacleanpower.org



Calculating the cost difference between PG&E and SCP

PG&E Generation Credit	\$72.10	SCP Generation Charge	\$61.10
		Power Charge Indifference Adjustment Fee	\$10.15
		Franchise Fee	\$0.48
<hr/>		<hr/>	
<i>Total PG&E Generation Charge</i>	<i>\$72.10</i>	<i>Total SCP Generation Charge</i>	<i>\$71.73</i>

Total PG&E
Generation Charge
\$72.10

Total SCP
Generation Charge
\$71.73

Total
Generation Savings
\$0.37



Next up: NetGreen

Information for Solar Customers



NetGreen 2.0: Net Energy Metering

- Excess electricity generated is credited at the retail value each month.
- Credits are banked to help cover any SCP generation charges throughout the year.
- Automatic, annual cash-out occurs for annual excess energy exported to the grid if the balance exceeds \$200, up to \$5,000 (in Spring)
- Net Surplus Compensation (NSC) rate is same as PG&E's 12-month NSC rate average plus \$0.01/kWh for the calendar year preceding the cash out.



Get paid for generating
clean energy!

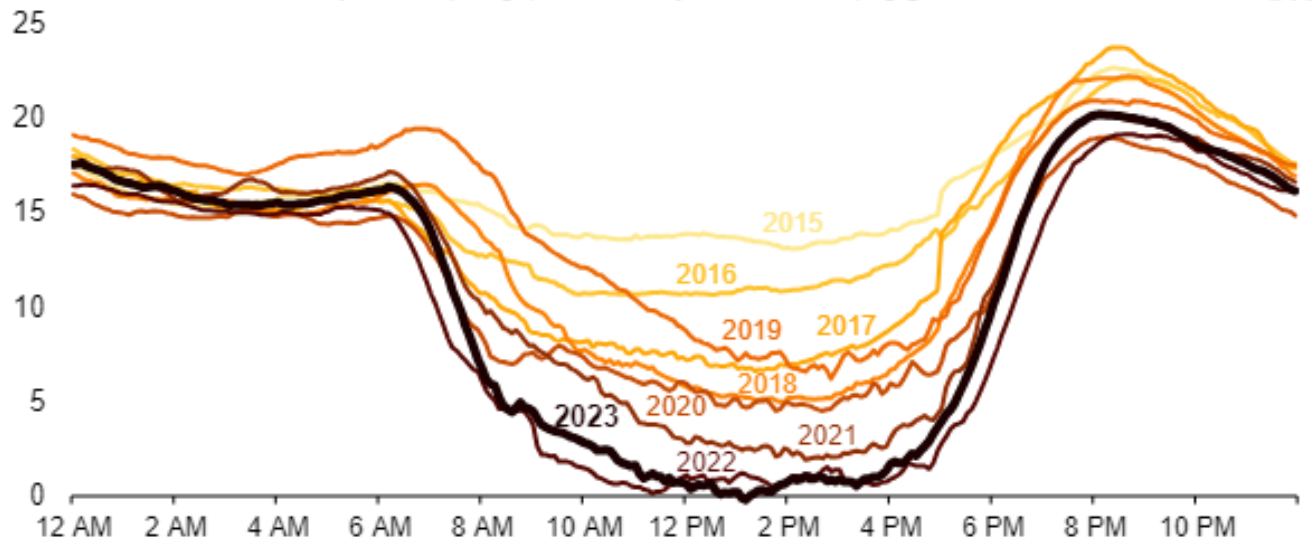


Solar Billing Plan (NEM 3.0)

- SCP's billing structure for new solar customers who submit interconnection request after April 15, 2023.
- Plan adjusts solar benefits based on your electricity generation and usage.
- Encourages use of battery storage

California's duck curve is getting deeper

CAISO lowest net load day each spring (March–May, 2015–2023), gigawatts



Rate Schedules & Rate Analysis



Elements of rates

How you're charged for power

PG&E delivery and transmission

- Customer Charge (fixed daily)
- Demand Charge – (highest consumption during cycle)
- Energy Charges (consumption during times of day)

PG&E “*generation*”

- Generation Credit
- Power Charge Indifference Adjustment
- Franchise Fee Surcharge

Sonoma Clean Power generation

- Demand related to time of day
- Energy (consumption during times of day)



Rate classifications

- Residential
- Commercial
- Agricultural
- Outdoor lighting

Agricultural if 70% or more of the annual energy use on the meter is for agricultural end-uses. Agricultural end uses consist of:

- (a) growing crops;
- (b) raising livestock;
- (c) pumping water for irrigation of crops; or
- (d) other uses which involve production for sale.

Guidelines for interpreting applicability are in Section D of Rule 1 *Qualification for Agricultural Rates*

https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_RULES_1.pdf



Commercial and Agricultural Rates

Class and size	Current	Legacy (solar; ending 2027)
Small commercial (no demand)	B-1, B-6	A-1, A-6
Medium commercial	B-10	A-10
Large commercial	B-19, B-20	E-19, E-20
Small agricultural <35 kW	AG-A1, AG-A2	AG-1
Medium agricultural =>35 kW	AG-B	AG-4
Large agricultural =>35 kW	AG-C	AG-5

Peak pricing hours

Commercial B-rates	4:00 PM to 9:00 PM daily
Agricultural current rates	5:00 PM to 8:00 PM daily
Agricultural flex (AG-F)	4:00 PM to 9:00 PM only 5 days a week
Legacy Commercial & Ag rates	Noon to 6:00 PM Mon-Fri; May-Oct



Rate Analysis

Using your historical usage applied to current prices . . .

SCP shows you what rate is most optimal for your power use.

Minimize your total electric costs
Project costs out twelve months.



Energy Efficiency Resources



Agriculture Energy Savings Action Plan (AESAP)

- Offers cash incentives and attractive financing options for energy-saving projects involving the installation of new, high-efficiency equipment or systems.
- Provide solutions specifically for vineyards and wineries to lower utility bills and increase profit margins at each stage from grape to bottle.

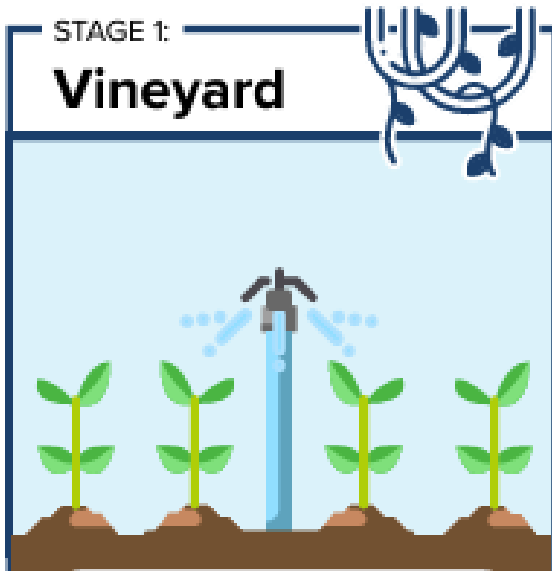


Grape to Bottle:

Energy efficiency rebates for vineyards and wineries at every phase



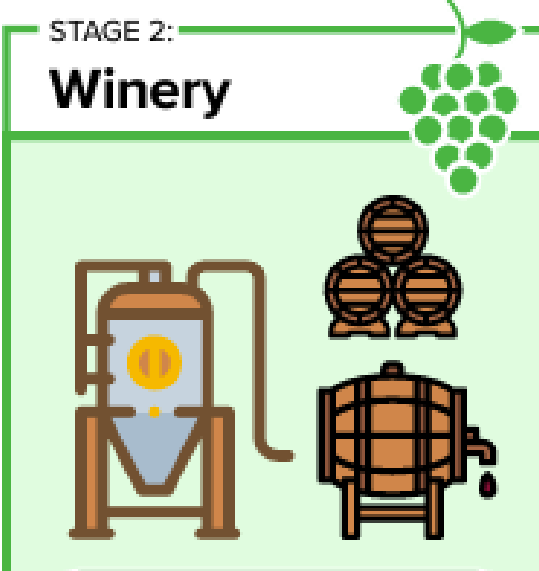
STAGE 1: **Vineyard**



AVAILABLE MEASURES

- ✓ High Efficiency Water Pump
- ✓ Irrigation Pump VFD

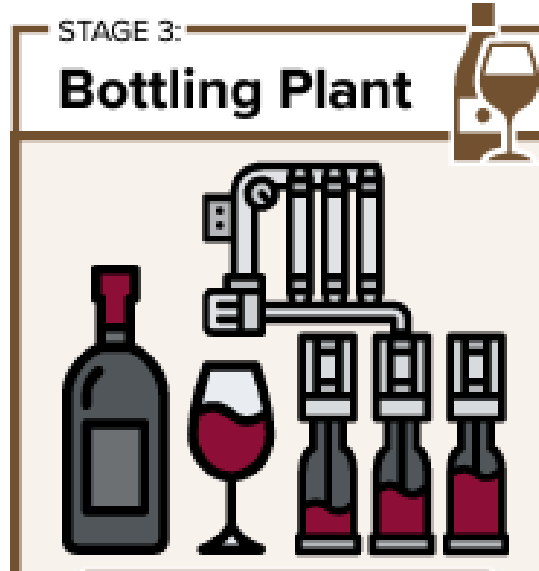
STAGE 2: **Winery**



AVAILABLE MEASURES

- ✓ Floating Head Pressure Controls
- ✓ Glycol Pump VFD
- ✓ Like-Kind Boiler Replacement
- ✓ Pipe Insulation

STAGE 3: **Bottling Plant**



AVAILABLE MEASURES

- ✓ Boiler Economizer
- ✓ Like-Kind Boiler Replacement



AESAP: Savings to help you grow!

- Visit the program website to request a no-cost assessment:

<https://agenergysavings.com/>



Have specific questions about your business? **Get in touch today!**

1-833-987-SAVE

connect@AgEnergySavings.com



Visit SCP's Customer Center

- Learn more about your energy bill
- Discover how to lower your energy use and save money
- Explore the future of clean energy appliances for your home
- Features a large demonstration area, you can learn about a variety of options, including induction cooktops and heat pump water heaters
- Attend an event, take a class, learn no-cost and low-cost ways to save energy



741 Fourth Street, Santa Rosa

www.scpcustomercenter.org



Q&A

Thank you!

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(707) 529-7925

slawrence@

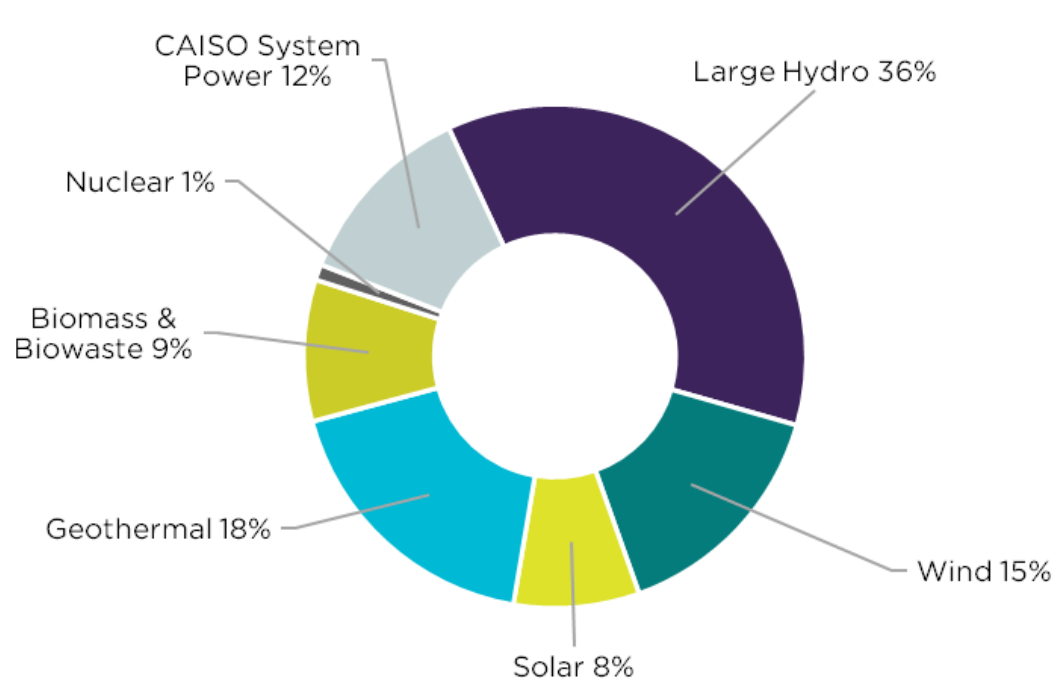
sonomacleanpower.org



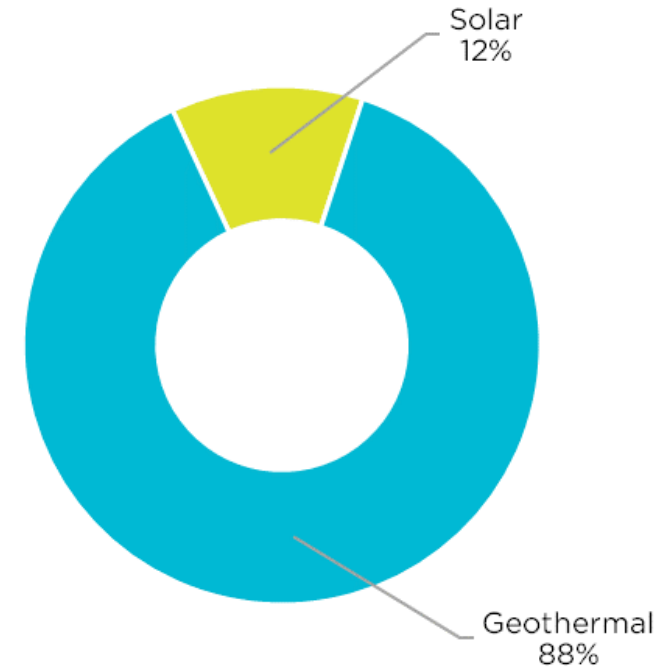
Sonoma
Clean Power

2023 Power Sources

Power source percentages for SCP from the California Energy Commission's 2023 Power Content Label.



SCP CleanStart



SCP EverGreen

