Who is Sonoma Clean Power?

• **Not-for-profit** public agency that started serving customers in 2014.

• First stated mission of the joint power’s authority establishing SCP is "**reducing greenhouse gas emissions** in Sonoma County and neighboring regions."

• Generates electricity for approximately **600,000 customers** in California’s Sonoma and Mendocino counties.

• Pacific Gas & Electric (PG&E) provides distribution of electricity.

• SCP customers pay for, and can participate in, PG&E programs.
Decarbonization of the Grid

SCP’s Emissions and Power Sources

Greenhouse Gas Emissions Factors
as verified by The Climate Registry using Electric Power Sector Protocol

Decarbonization of the Built Environment
**Why Electrify?**

**Yearly Per Home Emissions (MT CO2e)**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>3.5</td>
<td>2.5</td>
<td>1.5</td>
<td>1.0</td>
<td>0.5</td>
</tr>
</tbody>
</table>

**Popular Energy Reach Code Options**

<table>
<thead>
<tr>
<th>Option</th>
<th>Jurisdictions Considering this Option</th>
<th>Anticipated per home costs beyond 2020 Requirements</th>
<th>Anticipated GHG Impacts</th>
<th>Potential Barriers</th>
<th>Timeframe</th>
<th>Applies to</th>
</tr>
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<tbody>
<tr>
<td>Adoption of 2019 Energy Code (Business as Usual)</td>
<td></td>
<td>$0</td>
<td>Assuming 500 homes are built over next three years, 500 MT of CO2e annually</td>
<td>None</td>
<td>2019 Code Update Would Go into Effect Jan 1, 2020</td>
<td>All Buildings</td>
</tr>
<tr>
<td>All Electric Favorable Reach Code</td>
<td>Cloverdale, San Luis Obispo</td>
<td>Unknown range of costs.</td>
<td>Assumptions 1/3 of homes choose all-electric option, 900 MT of CO2e annually</td>
<td>Need State approval</td>
<td>Could go into effect as soon as January 1, 2020</td>
<td>New construction single family and low-rise multifamily</td>
</tr>
<tr>
<td>All Electric Reach Code</td>
<td>Santa Rosa, Petaluma, Windsor</td>
<td>Savings of $6,171 (or $3,361 for multifamily unit) compared to a home using natural gas¹</td>
<td>Assuming 500 homes are built over next three years, 1,700 MT of CO2e annually</td>
<td>Need State approval</td>
<td>Could go into effect as soon as January 1, 2020</td>
<td>New construction single family and low-rise multifamily</td>
</tr>
<tr>
<td>Natural Gas Ban</td>
<td>Berkeley, San Jose</td>
<td>Savings of $6,171 (or $3,361 for multifamily unit) compared to a home using natural gas¹</td>
<td>Assuming 500 homes are built over next three years, 1,700 MT of CO2e annually</td>
<td>Relies on city’s police powers</td>
<td>Could go into affect at any time</td>
<td>All buildings</td>
</tr>
</tbody>
</table>

¹ 2019 Energy Efficiency Cost Effectiveness Study, California Codes and Standards
New Construction - Advanced Energy Rebuild

• **Up to $17,500 in incentives** with one easy online application.

• Goes beyond existing program models by adding in non-standard measures like electric vehicle charging, grid responsiveness, battery storage, and water measures.

• **266 homes** have applied for the program. Approximately **35% of which are all-electric**.

• Projects include **266 EV chargers, 265 kW of solar** and **254 kWh of battery storage**.

• Energy models for the submitted projects are on average **26% better than current Title 24 code** and are predicted to **save $650 annually on their utility bills**.

Retrofits- Advanced Energy Center
Additional Resources Offered

Induction Cooktop Check Out

Interested in testing out an Induction Cooktop? Fill out the form below to reserve your cooktop. Cooktops can be picked up at our office in downtown Santa Rosa, located at 100 Santa Rosa Avenue, on the 5th Floor.

Not sure if your pots and pans are Induction ready? Add a pot or pan to your check-out to optimize your Induction experience.

Equipment must be returned within 2 weeks of your check out date. This check-out program is available to all Sonoma and Mendocino County residents.

First Name
Last Name
Email
Phone
Type of Equipment
Preferred Pickup Date

Additional New Construction Resources Offered

On a scale from 0 to 10, how likely are you to switch to induction cooking? (0 being extremely unlikely and 10 being extremely likely)
Looking Beyond the Building

SCP’s Emissions and Power Sources

2018 CleanStart Power Sources

- Large Hydro: 42.0%
- Wind: 22.7%
- Solar: 7.6%
- Geothermal: 17.7%
- Biomass & Biowaste: 0.6%
- CAISO System Power: 9.4%
GridSavvy for Load Shaping

- **Shape Sonoma Clean Power loads** (customer usage) to match supply (procured energy sources).
- Use as a resource to **displace gas powered plants**.
- Get customers excited about demand-response capable technologies, and pay them for their contribution to making a cleaner grid.

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Advanced Energy Rebuild – What’s the Impact

![Graph showing impact of advanced energy rebuild.](image)
Thank you!

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Sonoma Clean Power