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Advanced Energy Rebuild

Decarbonization Options for New Construction

Rachel Kuykendall
Programs Manager

SCP Background

- Started serving customers in 2014.
- Generates electricity for approximately 600,000 customers in California's Sonoma and Mendocino counties.
- Founding principle of “reducing greenhouse gas emissions in Sonoma County and neighboring regions.”
- Power Sources (2016 verified): 42% renewable, 90% greenhouse gas free.
- Customer programs are self-funded. Customers can also participate in PG&E programs



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Advanced Energy Home

\$7,500**Flexible Performance Path**

- 20% above Title 24 energy code
- 220V outlet at stove/range, water heater, and clothes dryer
- Design roof for additional structural loads associated with solar panels, and add conduit for future installation
- Electric Vehicle Charging Station - Equipment free from Sonoma Clean Power

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All Electric Home

\$12,500**Flexible Performance Path**

- 20% above Title 24 energy code, all electric end uses
- Design roof for additional structural loads associated with solar panels, and add conduit for future installation
- Electric Vehicle Charging Station - Equipment free from Sonoma Clean Power

\$7,500**Simple Menu-Based Path**

- 2016 Title 24 High Performance Walls or 2016 Title 24 High Performance Attics* (note: unvented attic can qualify)
- 2019 Code windows (Max U-factor 0.30, SHGC 0.23)
- High efficiency water heater: Heat Pump Water Heater w/ EF of 3.0+ or gas tankless w/ EF of 0.92 and 220v outlet
- Heating/cooling ducts that are well sealed, insulated (R-8), and located primarily in conditioned space (note: buried ducts as defined by Title 24 can qualify)
- WaterSense efficient plumbing fixtures
- Water efficient landscaping
- Energy Star Appliances
- 220V outlet at stove/range and clothes dryer
- Electric Vehicle Charging Station – Equipment free from Sonoma Clean Power

*Must meet requirement of CEC Climate Zone 4. See program handbook.

\$12,500**Simple Menu-Based Path**

- 2016 Title 24 High Performance Walls
- 2016 Title 24 High Performance Attics* (note: unvented attic can qualify)
- Insulation Inspected by a HERS Rater (QII)
- Building Enclosure Airtightness verified by a HERS Rater (less than 3 ACH50)
- "Cool" Roof
- 2019 Title 24 Windows (Max U-factor 0.30, SHGC 0.23)
- NEEA Tier 3 Heat Pump Water Heater w/ grid-integration controls installed
- High efficiency heat pump for heating/cooling (EER of 12.5+, HSPF of 9.5+)
- Heating/cooling ducts that are well sealed, insulated (R-8), and located primarily in conditioned space (note: buried ducts as defined by Title 24 can qualify)
- Smart Thermostat
- WaterSense efficient plumbing fixtures
- Water efficient landscaping
- Induction Cooking
- Energy Star Appliances for all Refrigerators, Dishwashers, Clothes Washers, and Bathroom Fans
- Heat Pump or Electric Clothes Dryer
- Electric Vehicle Charging Station – Equipment free from Sonoma Clean Power

*Must meet requirement of CEC Climate Zone 4. See program handbook.



Add solar to either option

\$5,000

- Solar panel system designed to offset annual electric usage with 7.5 kWh battery storage system

OR

- Pre-purchase of 20-year premium on 100% local renewable power (e.g., EverGreen).



Program Partners



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Local. Renewable. Ours.

Thank you!

Rachel Kuykendall

Programs Manager

rukendall@sonomacleanpower.org

