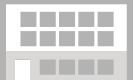




Energy



Transportation



Buildings



Industrial



Agriculture



Sequestration

Energy Savings Program Design and Implementation

Client: Sonoma Clean Power

2017–ongoing

Sonoma Clean Power sources clean energy from renewable resources and delivers power to residents and businesses in California’s wine country—Sonoma and Mendocino counties. SCP also administers a host of efficiency program that Frontier Energy supports, including on-bill financing for energy efficiency and decarbonization technologies, technical assistance and field services for commercial energy efficiency projects, assisting with incentive program design, and developing local ordinances for all-electric building reach codes.

In 2017, Frontier partnered with SCP to win a \$9.8 million California Energy Commission EPIC grant to research and accelerate the deployment of electric water- and space-heating appliances and other retrofits that deliver electricity savings in existing residential and commercial buildings.



FRONTIER ENERGY:

- Encourages residential and commercial customers to adopt induction cooking
- Conducts outreach and recruitment for applied research and technology demonstration projects
- Assessing market barriers to large-scale retrofits
- Established a brick-and-mortar energy marketplace to accelerate deployment of energy-savings technologies and educate customers and building professionals on installation options and best practices
- Evaluated an “all-electric” Title 24 reach code for the City of Santa Rosa
- Assessed, developed, and implements on-bill financing models to facilitate energy- and water-related property improvements for SCP customers
- Leads applied research and demonstration projects for:
 - Radiant ceiling and hydronic fan coil heating and cooling/air to water heat pump
 - Commercial daylighting retrofits
 - Phase change materials in residential and commercial applications
 - Ducted mini-split heat pumps
 - Grid-interactive heat pump water heaters
 - Waste heat recover for commercial dishmachines
 - Residential nighttime ventilation
- Performs technology deployment verification, project evaluation, and technology transfer activities