



SIERRA NEVADA energy watch

A joint project of:



Utility Energy Forum
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Sierra Business Council

Sierra Business Council

- Founded in 1994
- Works throughout the Sierra Nevada (25 Counties)
- Offices in San Francisco, Truckee, Bishop, and Sonora
- Member-based Organization (members include business, government, non-profits, and individuals)
- Mission:** To pioneer innovative projects and approaches that foster community vitality, environmental quality, economic prosperity, and social fairness in the Sierra Nevada
- Other projects:** National Geographic Geotourism, Local Planning, Carbon Cooperative



Sierra Nevada Energy Watch Program Purpose

- ▶ Implement the vision of the CA Energy Efficiency Strategic Plan
- ▶ To maximize the social, economic, and environmental benefits of energy efficiency in the Sierra Nevada
- ▶ SBC acting as PG&E's first Local Government Partner (LGP) for the Sierra Nevada

Sierra Nevada Energy Watch Program Components

- Small Business Direct Install program
- Municipal Retrofit program
- Training and Education
- Strategic Plan Implementation



Program Energy Saving Goals (2010-2012)

- Gross kW savings = 2,100
- Gross kWh savings = 13,390,000
- Gross Therm savings = (51,000)



Service Area

- 14 Counties
- 3 Implementers

Municipal, Special District,
and Non-Profit Customers

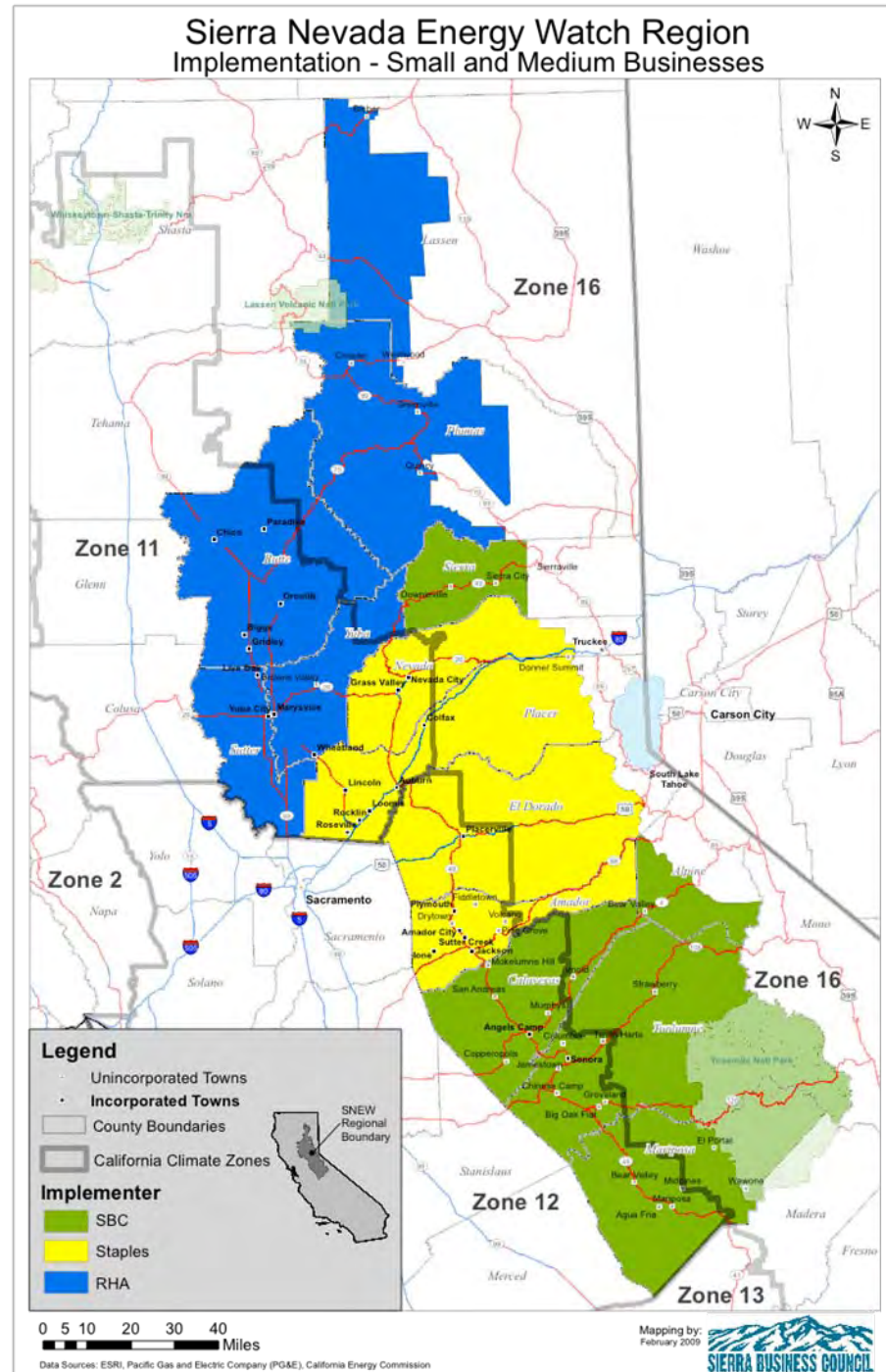
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Small Business Customers

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Staples

RHA



Direct Install Flow Chart



Direct Installation Measures (SBC's In-House Program)

Selected Measures Include:

- **Lighting:**
 - Basic CFL and Linear Fluorescent
 - Specialty CFLs
 - High Bay Fixtures
 - 8 Ft T12 Retrofits
 - De-lamping
 - LED Open Signs
 - LED Exit Signs
- **Refrigeration**
 - Controllers for Evaporator Fan Motors
 - Electronically Commutated Motors
 - Anti-Sweat Heater Controls
 - Vending Machine Controls
- **Therm Measures**
 - Faucet Aerators
 - Low-Flow Showerheads
 - Hot Water Pipe Insulation



Incentive Structure

- All projects have a co-pay of at least 10%
- Incentives *usually* cover at least 75% of a project's equipment and installation cost
- Payback usually less than 1 year



Our Approach...

Working in a Largely Rural Area

- Large geographic area, low population density
- Increased time and transportation

Approach: “Clean-Sweeps”

- Implementation Schedule
- Bundle projects together



Our Approach...

Working with local contractors

- Use a geographically dispersed network of local contractors
- Have agreements with 6 local contractors to be installers for our program
- Contractors have agreed to pay prevailing wage to their technicians for work done on SNEW projects
- Contractors have agreed to follow our requirements for responsibly disposing of equipment



Our Approach...

Responsible Waste Management

- Few established systems in our area to meet CA requirements
- Existing recycling programs did not have the capacity to process the volume of waste that would be generated through our program

Approach:

- Currently Use a pick-up service to ensure that waste is disposed of properly
- Educate contractors on process, and the importance of proper disposal



Launching the Program

Within first two months of project launch:

- Hired and trained program staff
- Created SNEW website with program information and resources for other energy efficiency information
- Established agreements with 6 qualified local contractors
- Developed wholesale purchasing plan and a waste management plan



First Quarter Results

Within 3 months of project launch:

- Conducted Audits and Installations
- Held two contractor and staff trainings on EE Technologies
- Scheduled a PG&E 3-Day Commercial Energy Audit Class in Auburn CA
 - Class held in April, over 50 attendees
- In one Local Government, potential development of a revolving fund for energy efficiency improvements



Contact Information

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