



A ClearPath to Climate Action Planning: The Sierra Nevada Approach

Paul Ahrns, Project Manager
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...innovative approaches and solutions... in the Sierra Nevada

Pacific Gas and Electric Company's Government and Community Partnerships Program

The Government and Community Partnerships Program is designed to provide support to local governments and communities to achieve greenhouse gas (GHG)-reduction goals related to energy usage.

- **Baseline Community-Wide and Municipal-Operations GHG Inventories**
- **Emissions Forecasting and Reduction Targets**
- **Energy Action Plans**

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Program Background

Program History

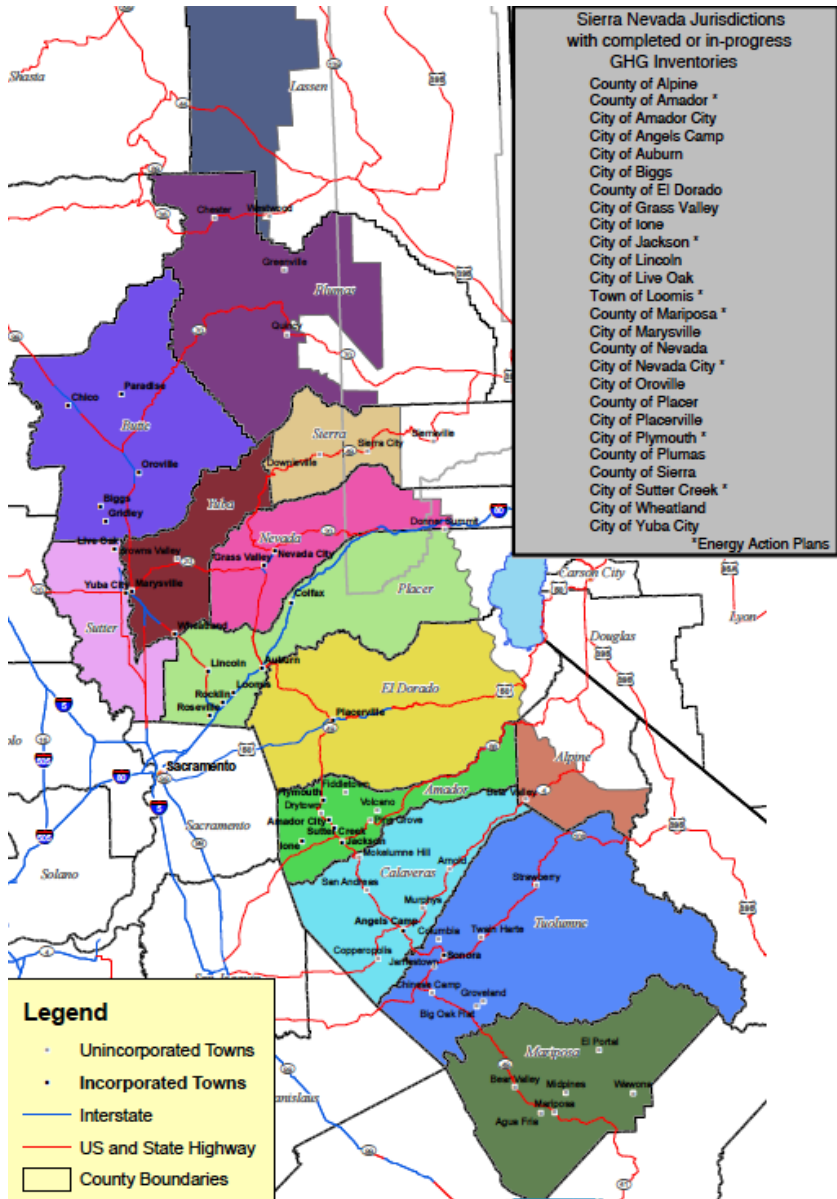
- 2010 – Municipal-Operations (MO) Inventories
- 2011 – Community-Wide (CW) Inventories
- 2012-2013 – Combined MO & CW Inventories
- 2014 – Energy Action Plans (EAPs)
- 2015 – Re-inventories, Case Studies and Benchmarking as part of the EAP Implementation

Program Background

Experience and Accomplishments

- 25 Baseline GHG Inventories (6 Re-Inventories in progress)
- 5 Energy Action Plans approved (2 in progress)
- Over 26 SBC staff / interns and 26 local government staff trained in GHG Inventories.
- Baseline and Re-Inventory of District-Operations and Electric Power Sector GHG Emissions for Truckee Donner Public Utility District (TDPUD)
- Off-Road Construction and Operations Related GHG Mitigation Measures for Tahoe Regional Planning Agency (TRPA) Regional Plan Update
- Brokering of Carbon Offsets for Squaw Valley Ski Holdings
- GHG Emissions Modeling for Affordable Housing and Sustainable Communities Grant Application Program

Regional Approach



Advantages

- Efficiency
- Comparability
- Collaboration

Challenges

- Local Customization
- Local Buy-In

Focus on Energy Planning First

Advantages

- Community, Staff and Elected Support
- Focus on cost-effective energy-efficiency, renewable-energy and water conservation projects
- Funding available through Utility programs
- Significant existing rebate and incentive programs

Limitations

- Addresses only a portion of the Climate Planning process
- Focus on voluntary education and outreach programs
- Cannot be used for CEQA streamlining.

Benefits of ClearPath Suite

Advantages

- Simplified, user-friendly interface compared to CACP 2009
- Ability to share and collaborate internally and with our local government partners
- GHG inventories, forecasting, planning and monitoring under one roof

Limitations

- Data collection and conditioning outside of ClearPath
- Significant data and staff time needed to utilize Planning and Monitoring modules.

Lessons Learned and Best Practices

Regional Approach

- Efficiency, Comparability and Collaboration

Energy Planning First

- Consistent support for energy and cost savings

ClearPath Suite

- User-friendly interface and ability to collaborate

No-Cost Tools and Resources

Utility Programs

- Funding for GHG Inventories and Energy Planning
- Technical assistance, incentive and rebate programs

Energy Star Portfolio Manager

- Benchmarking of Municipal Facilities to track energy use

Cool California.org

- Carbon calculator to estimate full consumption-based GHG emissions
- Education, incentive and case study resources for individuals, small businesses and local governments

American Solar Transformation Initiative

- Review of solar permitting practices, analysis of solar market potential and a customized local government specific landing page

Questions?

Paul Ahrns, Project Manager - (530) 582-4800

pahrns@sierrabusiness.org

Nicholas Martin, Program Director - (530) 582-4800

nmartin@sierrabusiness.org