



Mariposa County Community Wide and Municipal Operations 2010 Greenhouse Gas Emissions Inventory

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Sierra Business Council
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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 and Government Operations Inventory**
- **Emissions Forecasting and Reduction Targets**
- **Energy Action Plan**

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State of California Climate Policy

- **AB 32 (CA Global Warming Solutions Act)**
- **SB 375 (Transportation and Land Use Sectors, Applies to MPOs)**
- **SB 97 - CEQA CA Environmental Quality Act**
 - **GHG emissions consideration**

Program is designed to assist local governments in meeting regulatory compliance objectives at the lowest possible cost

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Greenhouse Gases Included in This Inventory

- Carbon Dioxide (CO₂)
- Methane (CH₄)
- Nitrous Oxide (N₂O)
- Refrigerants

Note: GHG emissions were reported as carbon dioxide equivalents (CO₂e)

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Calculation-based Quantification Methodology

- Uses activity data and emissions factors.
 - The basic equation is:

$$\text{Emissions} = \text{Activity Data} \times \text{Emissions Factor}$$

- e.g. CO₂ Emissions = kWh consumed x (MT CO₂ / kWh)

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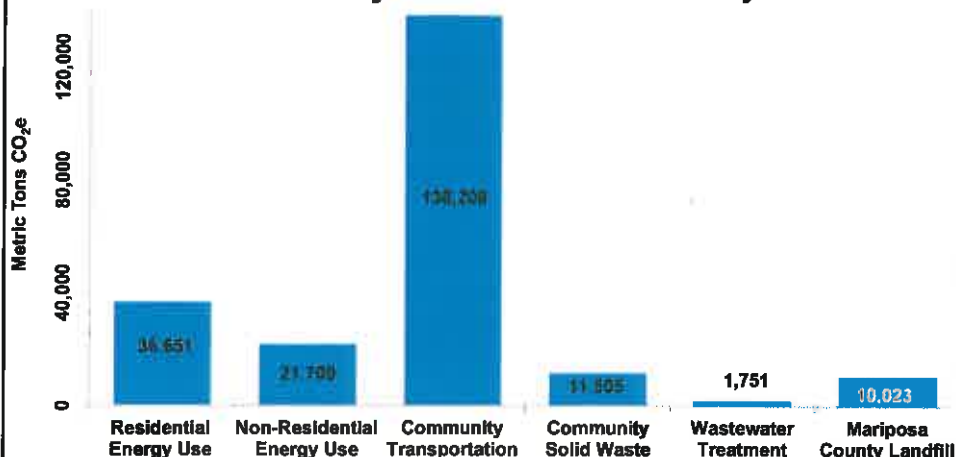
Summary of Inventory Sectors

Community Wide	Municipal Operations
Residential & Non-Residential Energy Use	Municipal Buildings and Facilities
Community Transportation	Vehicle Fleet
Community-Generated Solid Waste and Solid Waste Facilities	Government-Generated Solid Waste and Solid Waste Facilities
Wastewater Treatment	Wastewater Treatment
Information Items	Employee Commute
Cool California Consumption-Based Emissions	Information Items

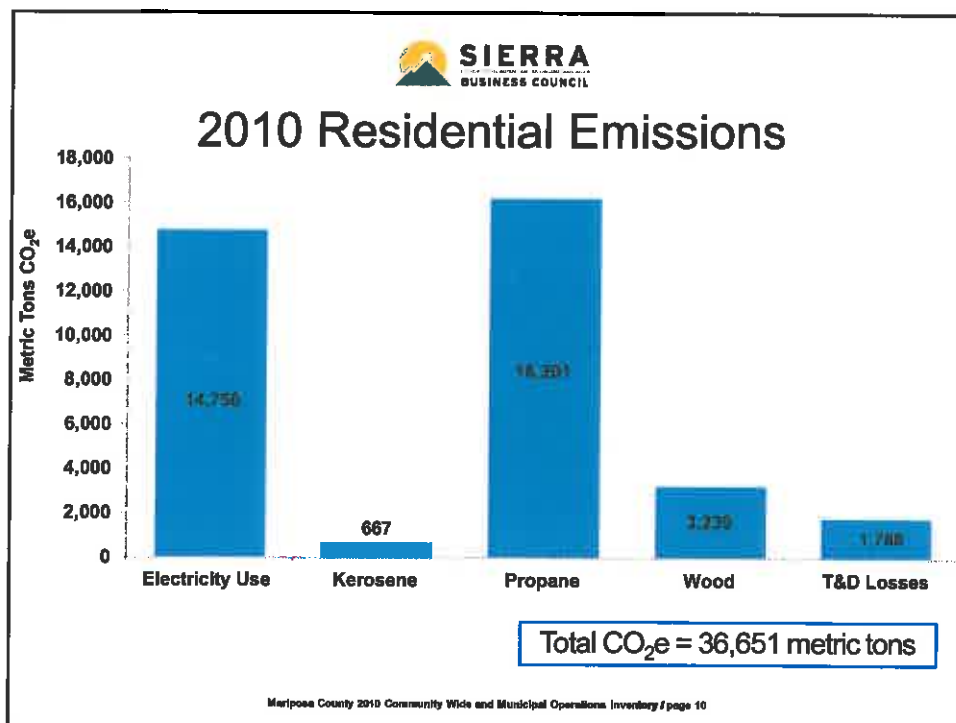
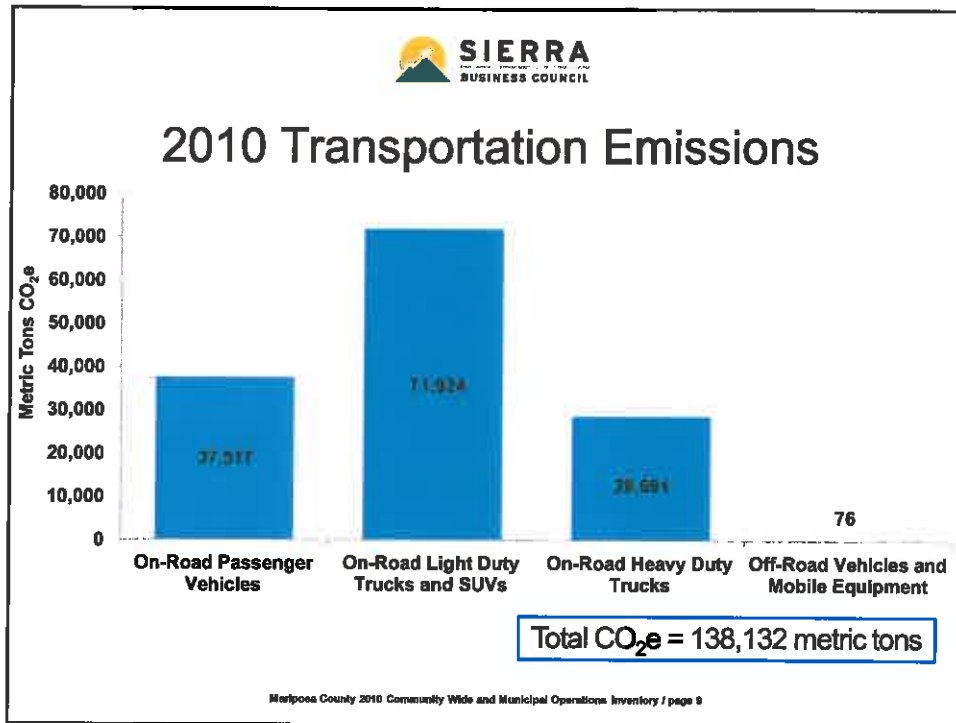
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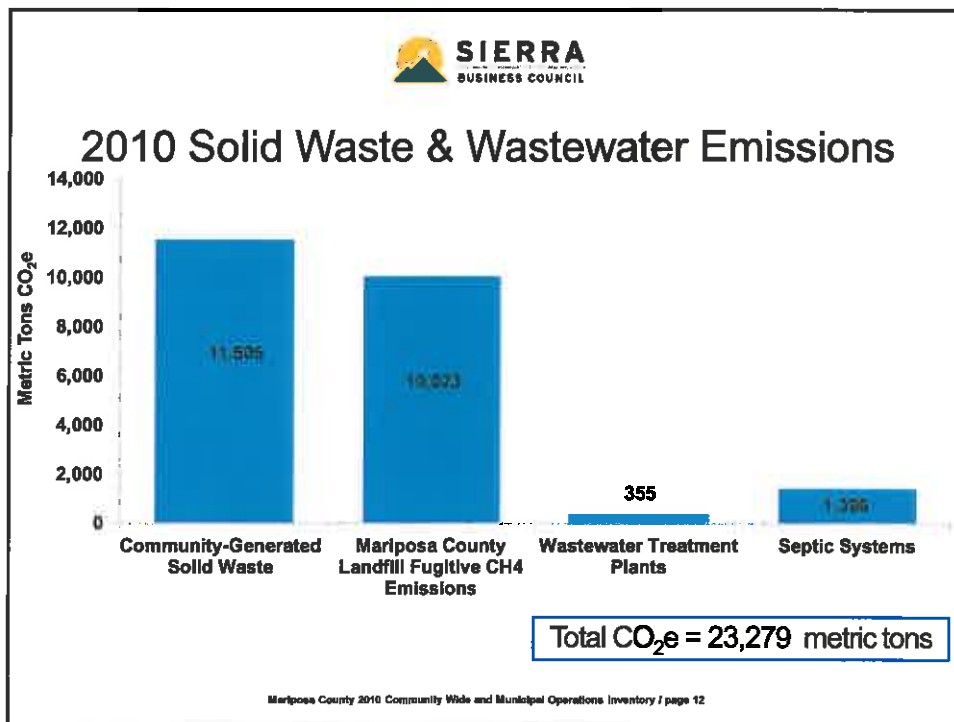
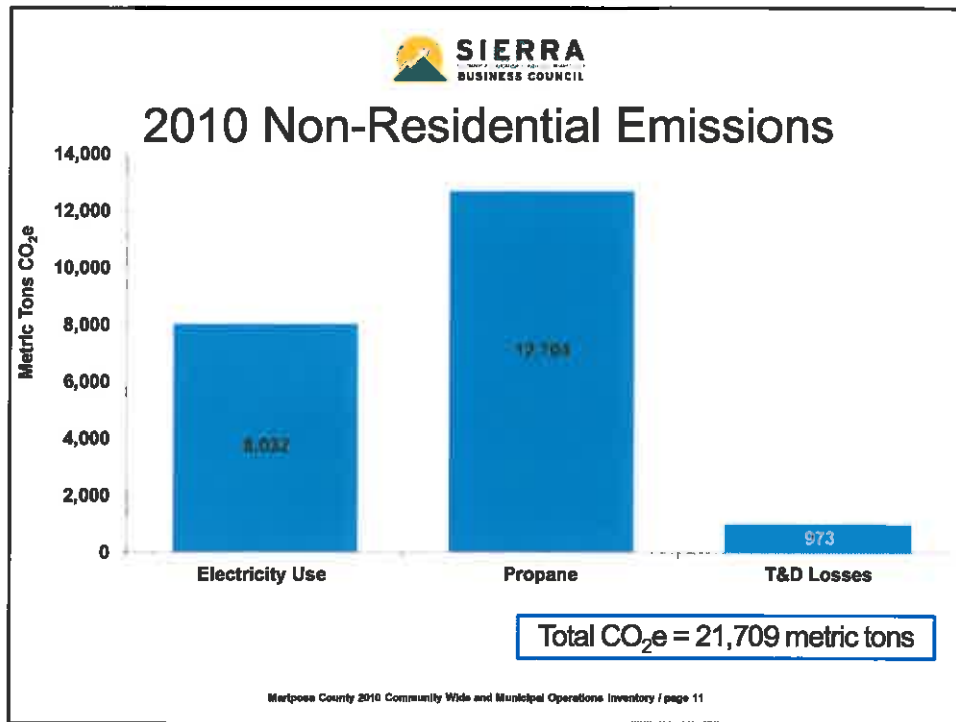


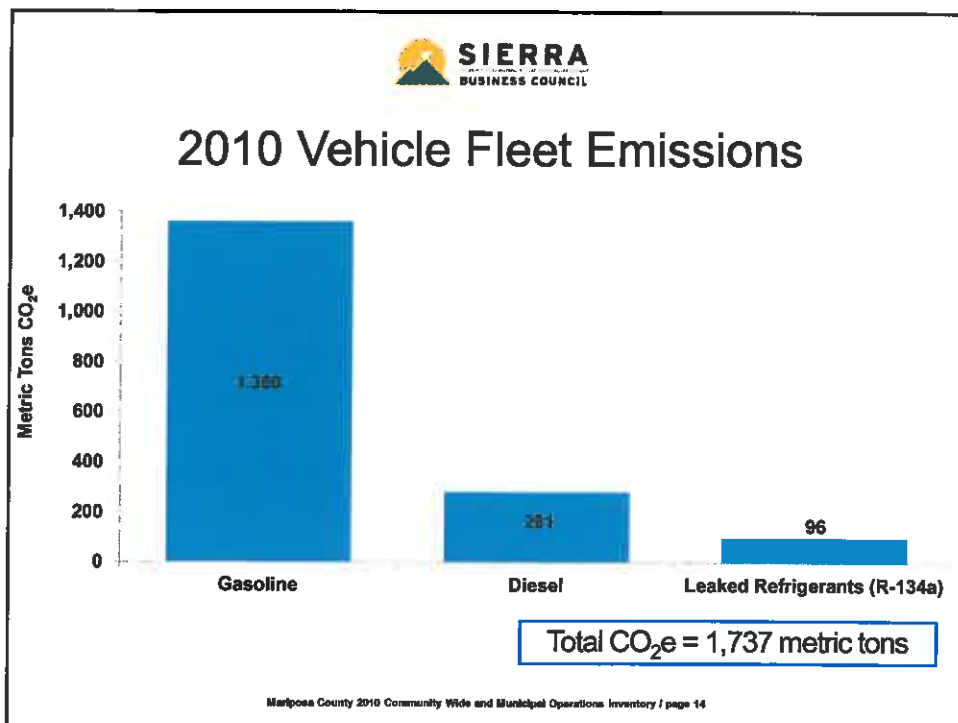
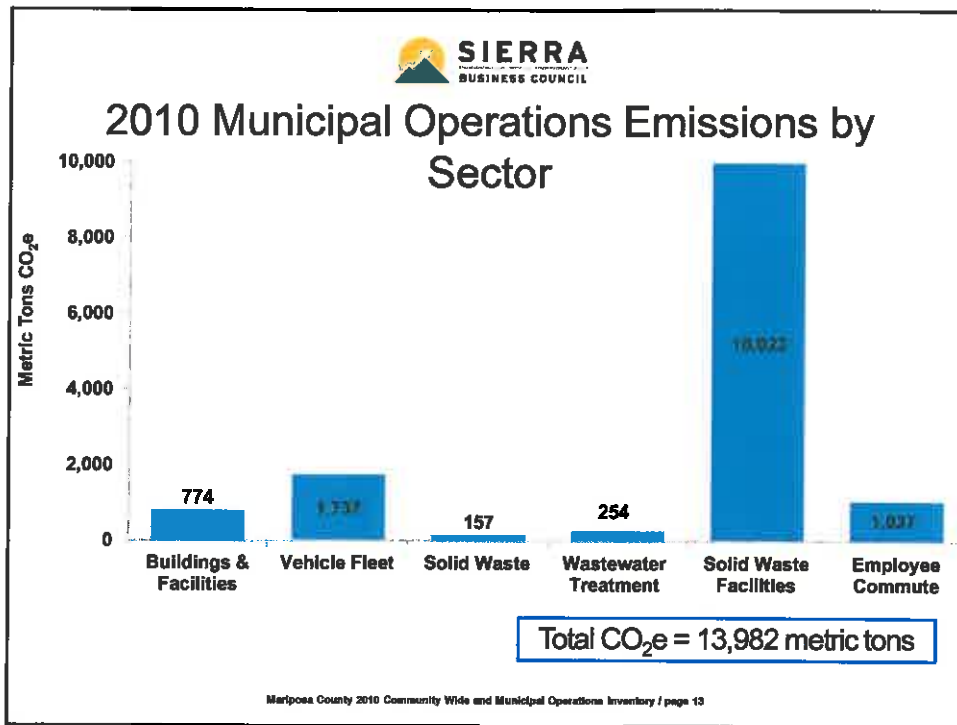
2010 Community Wide Emissions by Sector

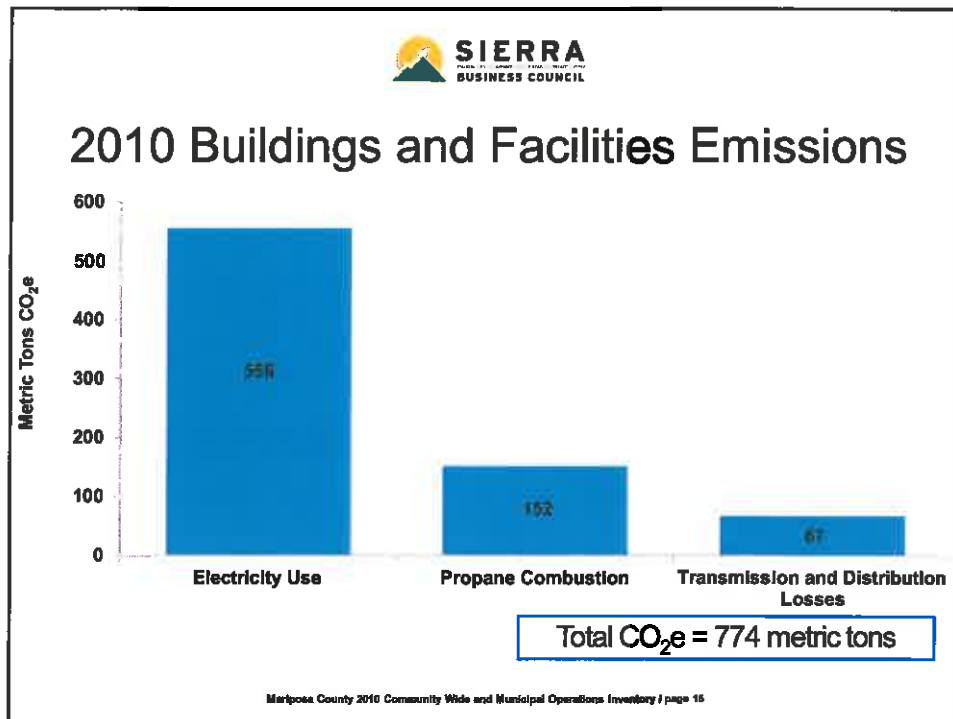



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What's Next?

- **Develop Energy Action Plan**
 - SBC will be continuing this effort through 2015
 - Sierra Nevada Energy Watch Programs provide funding for energy efficiency projects and energy and climate planning work
 - See www.coolcalifornia.org for additional **funding resources** to help you move from GHG inventories to energy/climate action planning

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Questions?

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