



Strategic Energy Planning Project

**Santa Ynez Chumash
Environmental Office**

**Cherlyn Seruto
Energy Specialist**

**Santa Ynez Band of Chumash Indians
November 13, 2012**

About Us . . .



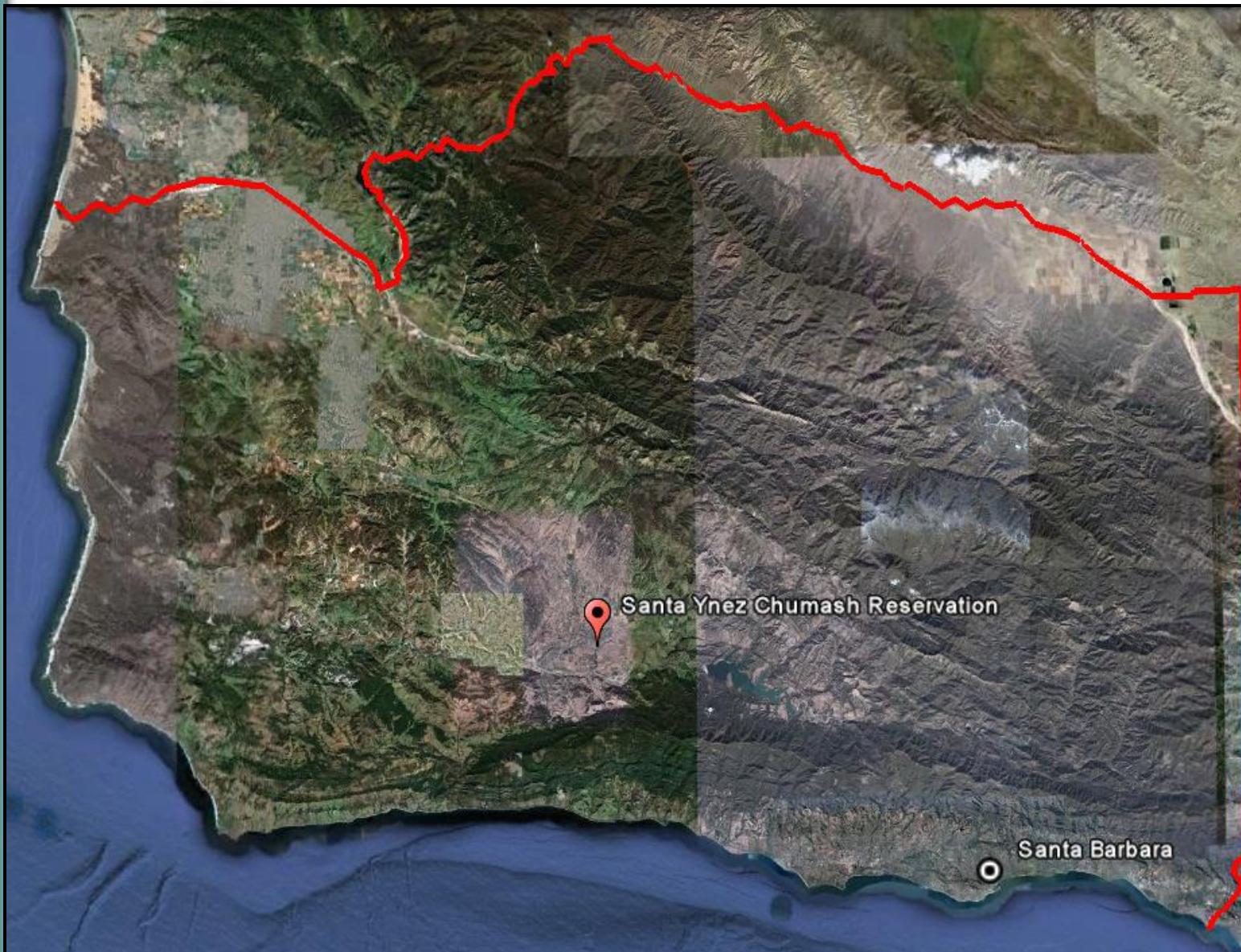


SANTA YNEZ BAND OF CHUMASH INDIANS





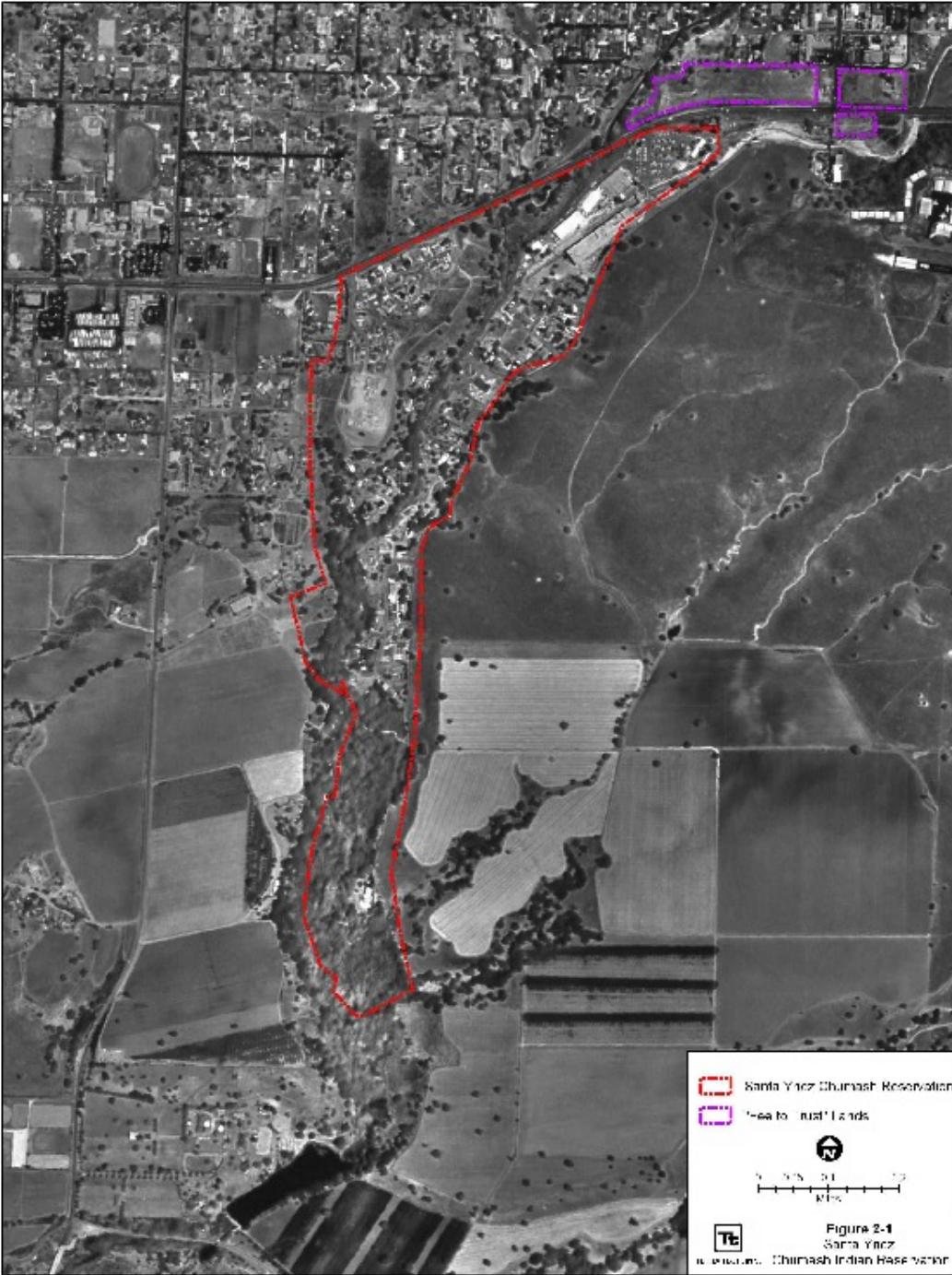
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© Santa Ynez Band of Chumash Indians





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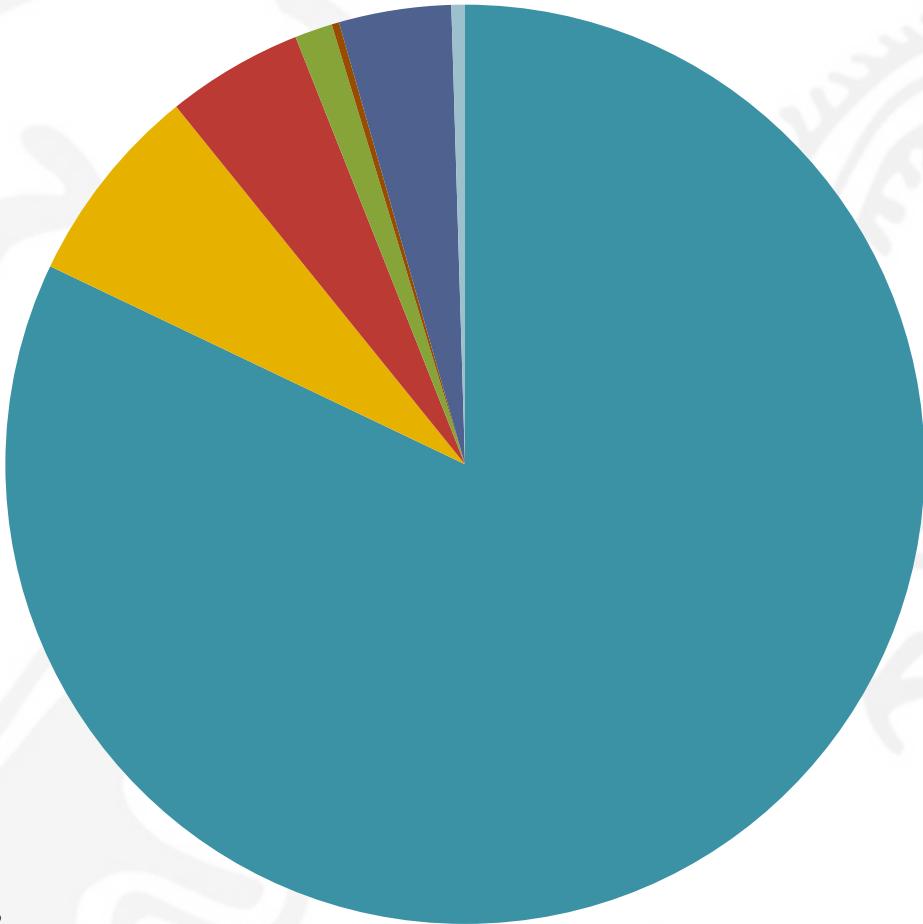
Project Objectives





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Step 1: Know Our Energy Use



- Casino
- Hotel
- Residences
- Tribal Hall and Health Clinic
- Employee Resource Center
- Restauraunt
- Gas Station



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Step 2: Envision our Energy Future





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Step 3: Assess our Options





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Step 4: Build in-house capacity



PROGRESS TO DATE

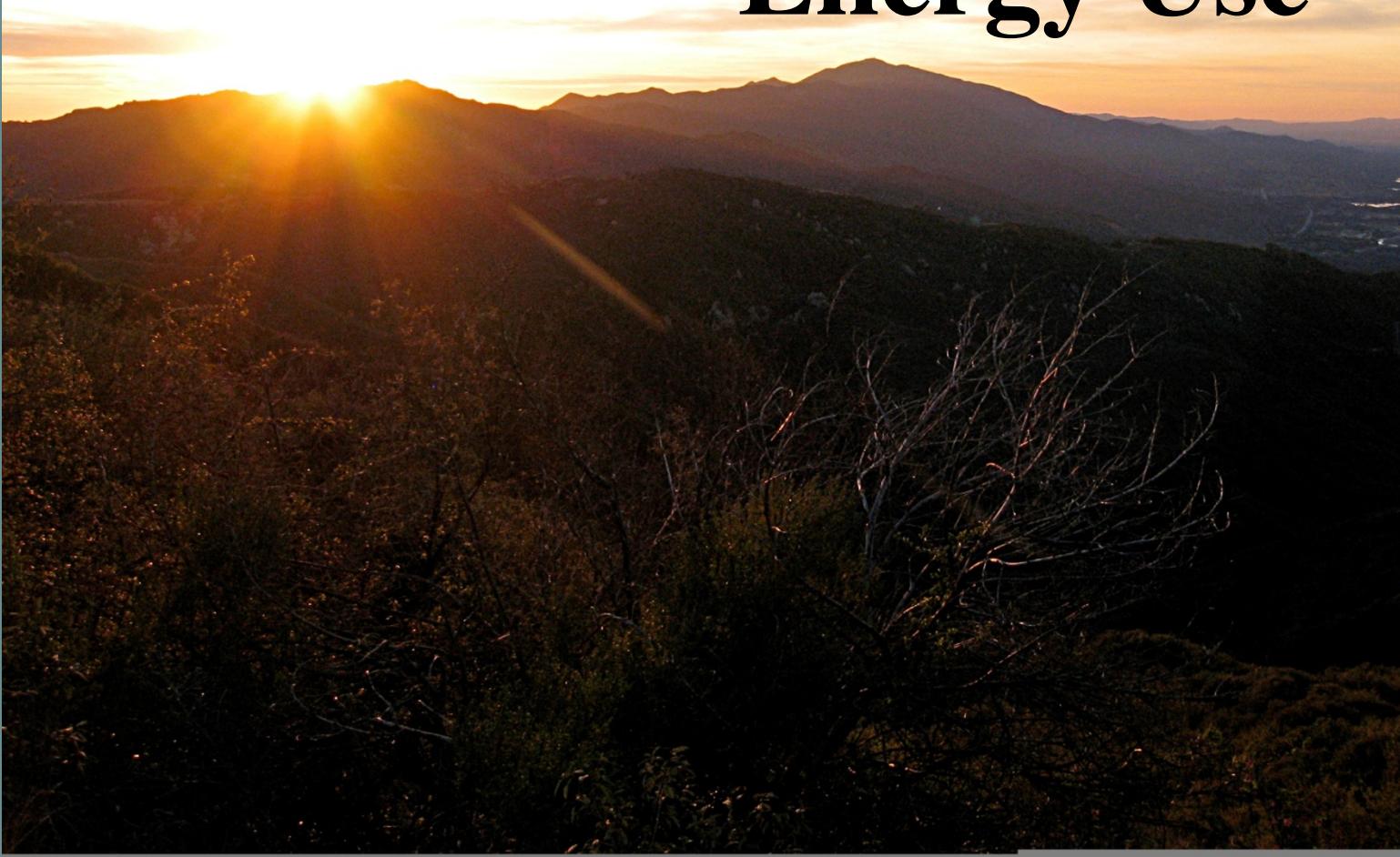
A landscape photograph capturing a sunset over a range of mountains. The sun is positioned low on the left, its bright light creating a strong lens flare that illuminates the sky and the tops of the mountains. A thin, white contrail cuts across the upper portion of the image. In the foreground, dark, silhouetted bushes are visible against the bright background. The mountains in the distance are bathed in the warm, orange glow of the setting sun.



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PROGRESS TO DATE

Step 1: Know our Energy Use





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Data tracking tools keep us on track



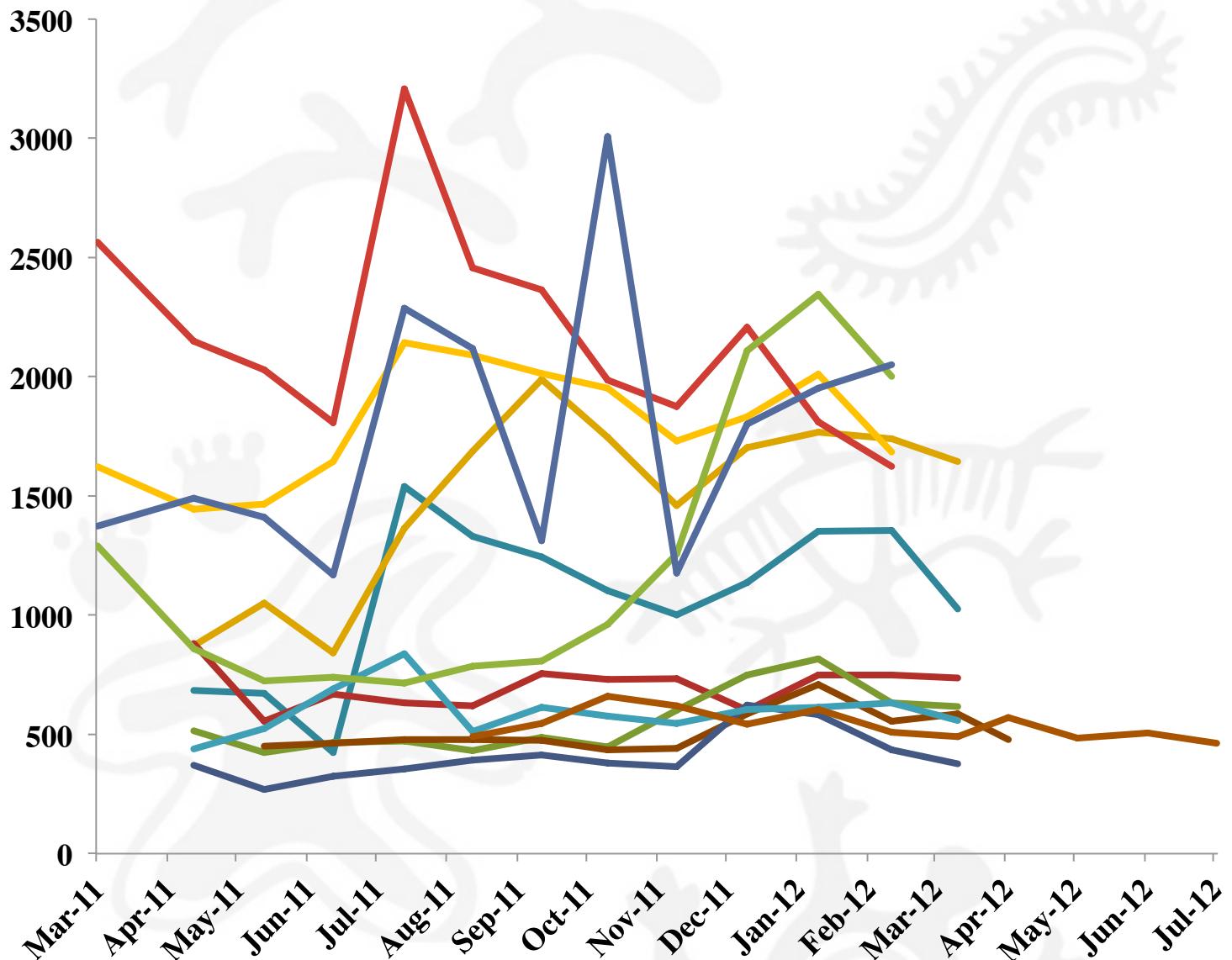
Progress:
DATA
TRACKING



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Progress:
ENERGY
BASELINE

Residential Electricity (kWh)

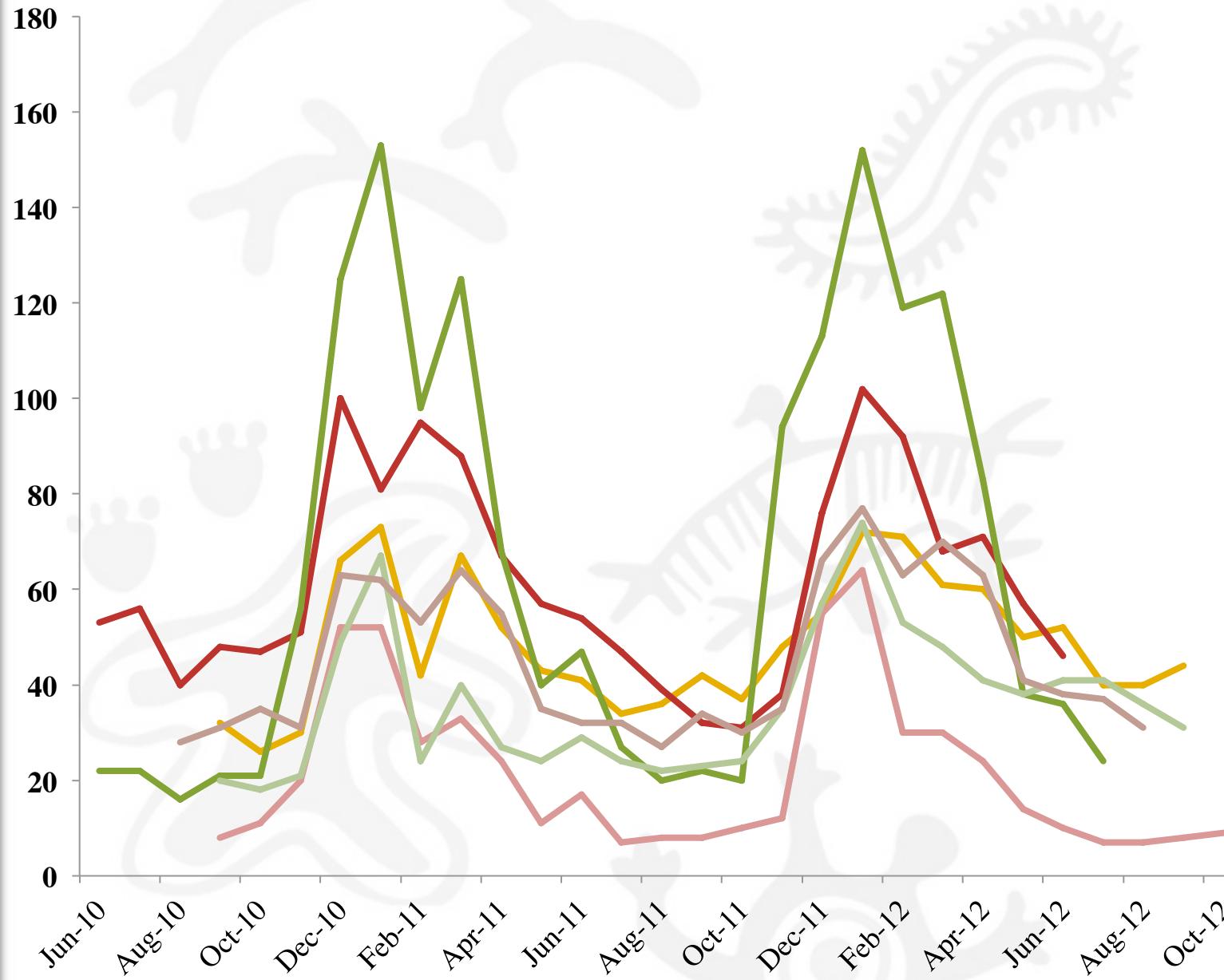




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Progress:
ENERGY
BASELINE

Residential Gas (therms)

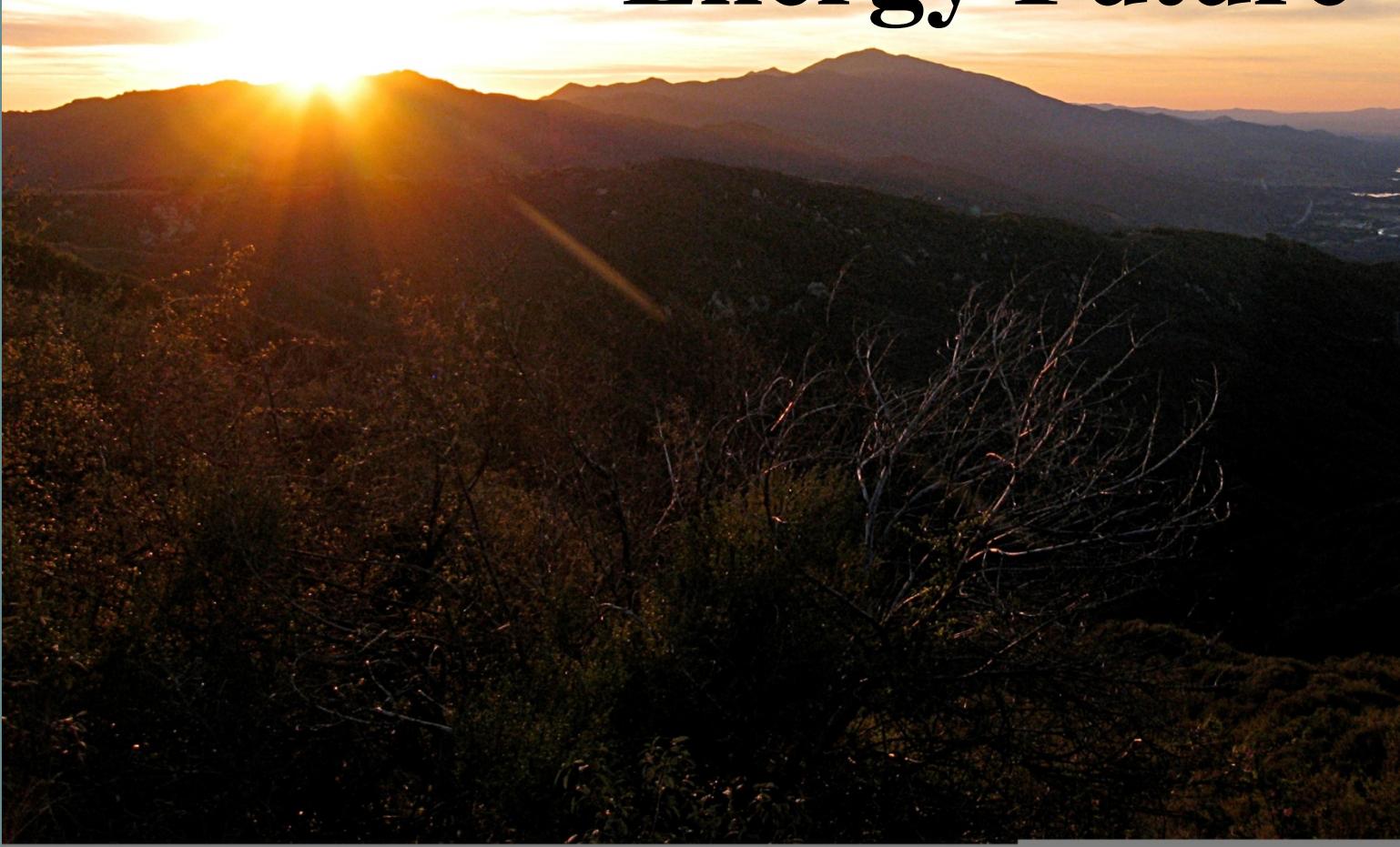




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PROGRESS TO DATE

Step 2: Envision Energy Future



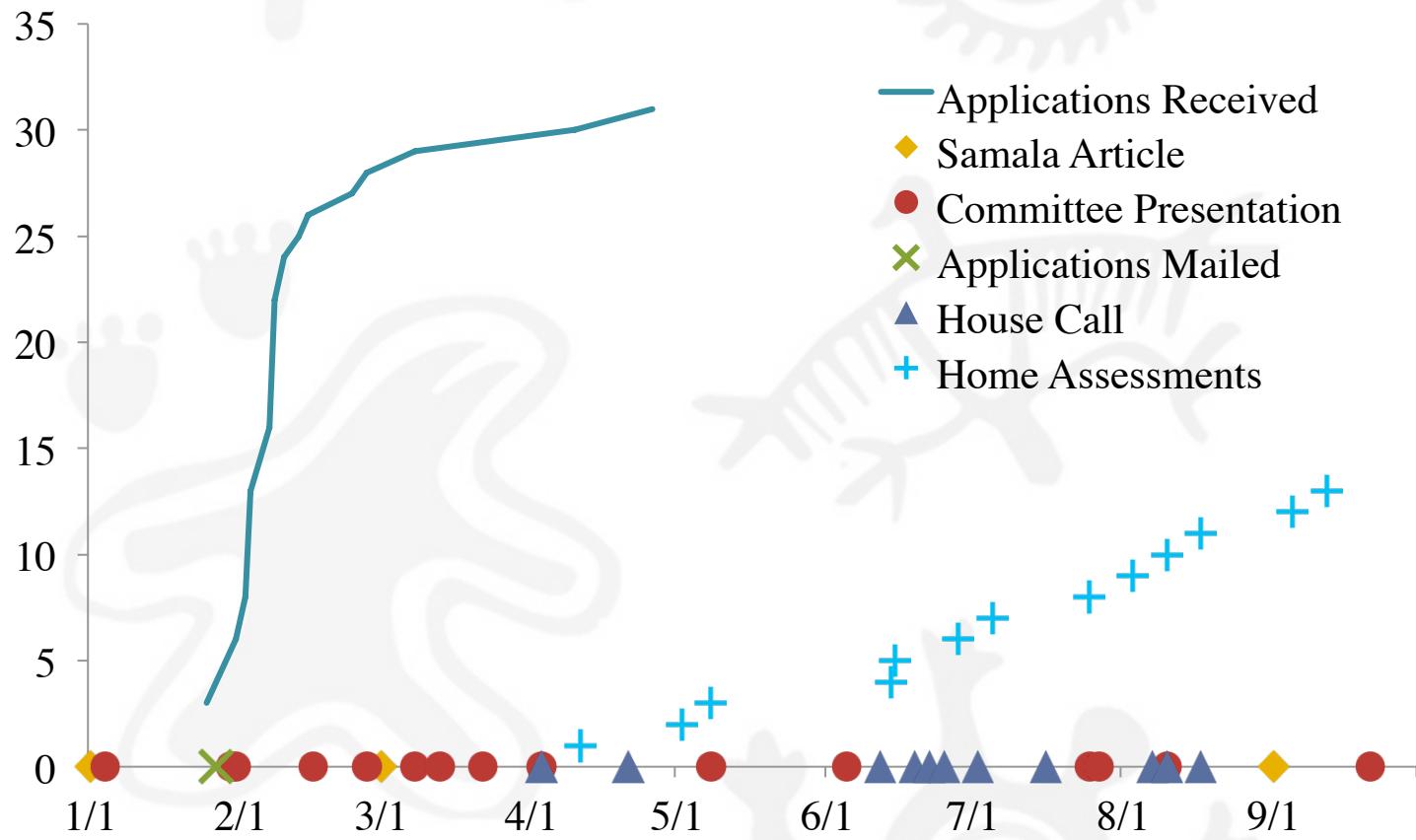


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Progress:
TRIBAL
ENERGY
GOALS

Continually Involving Community Members to Develop and Refine Energy Goals

Education and Outreach Activities Summary

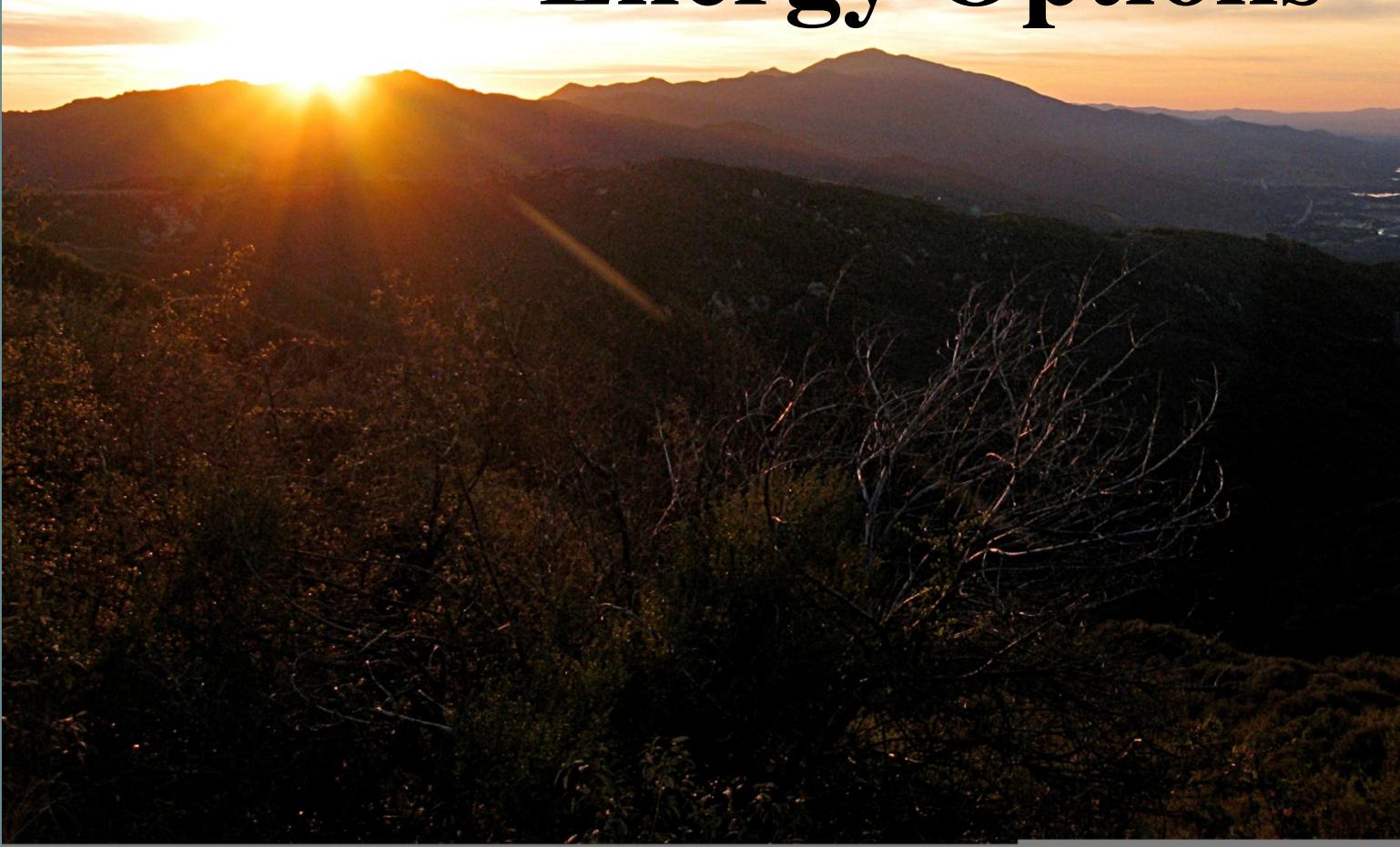




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PROGRESS TO DATE

Step 3: Assess Energy Options







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- **Whole Building Energy Management**
 - PG&E Integrated Energy Audit
 - Gas and Electricity Metering
 - HVAC Economizer
 - Variable Speed Drives
 - Johnson Controls Software
- **Solar Thermal**
- **LED Lighting**
 - Annual Savings:
 - 585 MWh
 - \$58,000



Kree DR-1000



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Keeping Abreast of Applicable Energy Options



Progress:
**ENERGY
OPTIONS**



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PROGRESS TO DATE

Step 4: Capacity Building





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Home Performance Assessments







CUSTOMER SATISFACTION
IS OUR BUSINESS



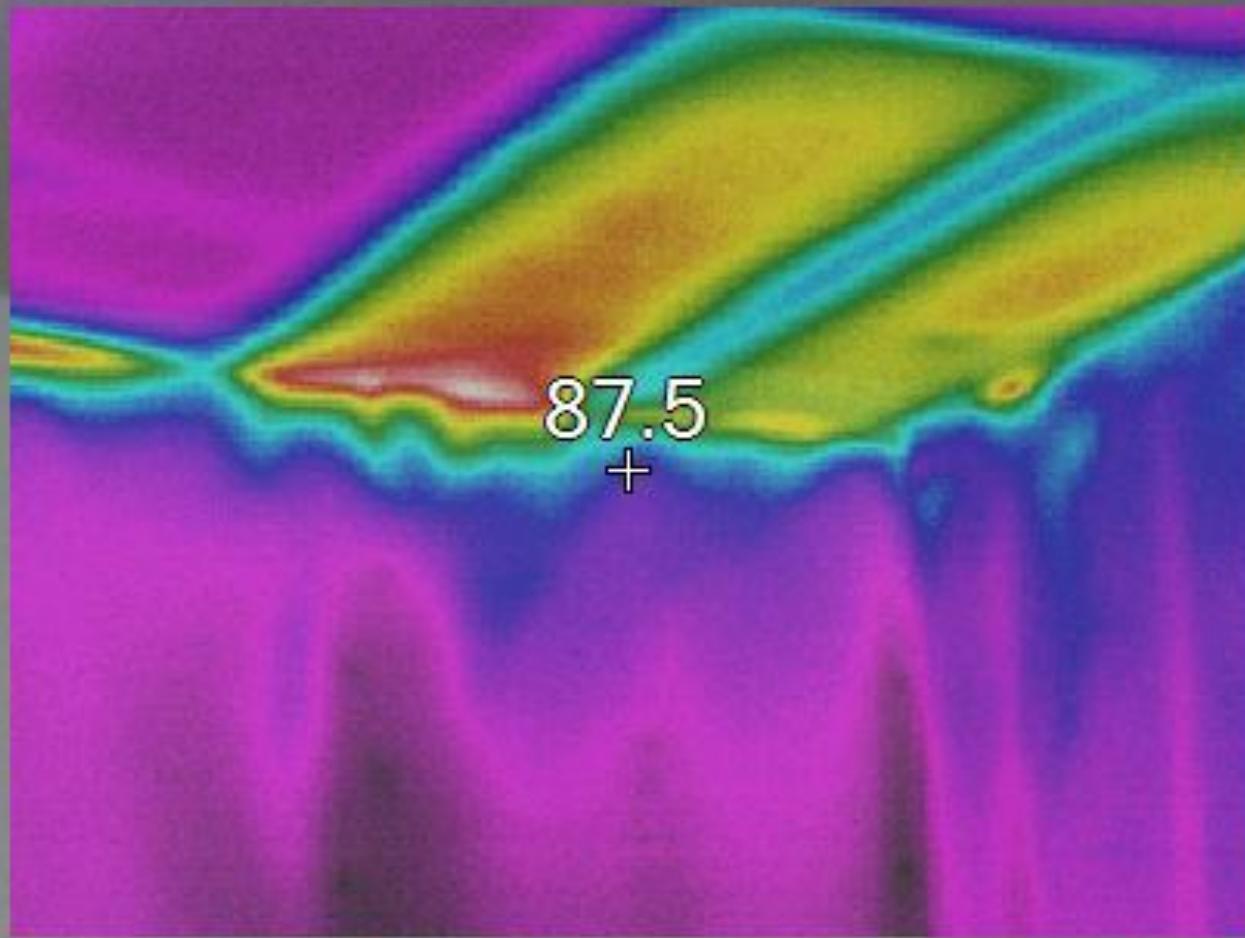




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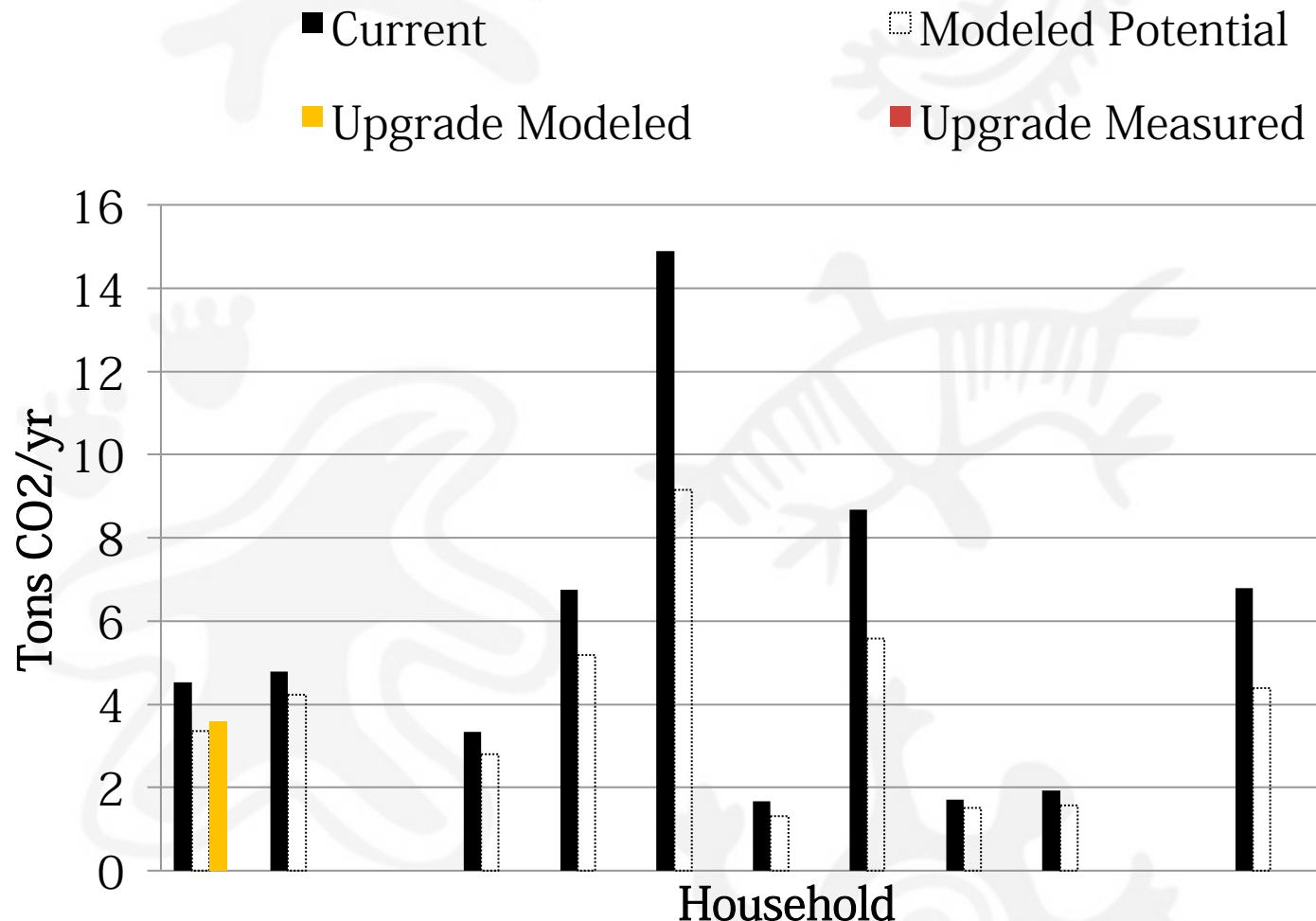


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Progress:
ENERGY
BASELINE

Residential Savings Potential (MTCO₂ eq)

Chumash Home Energy Savings







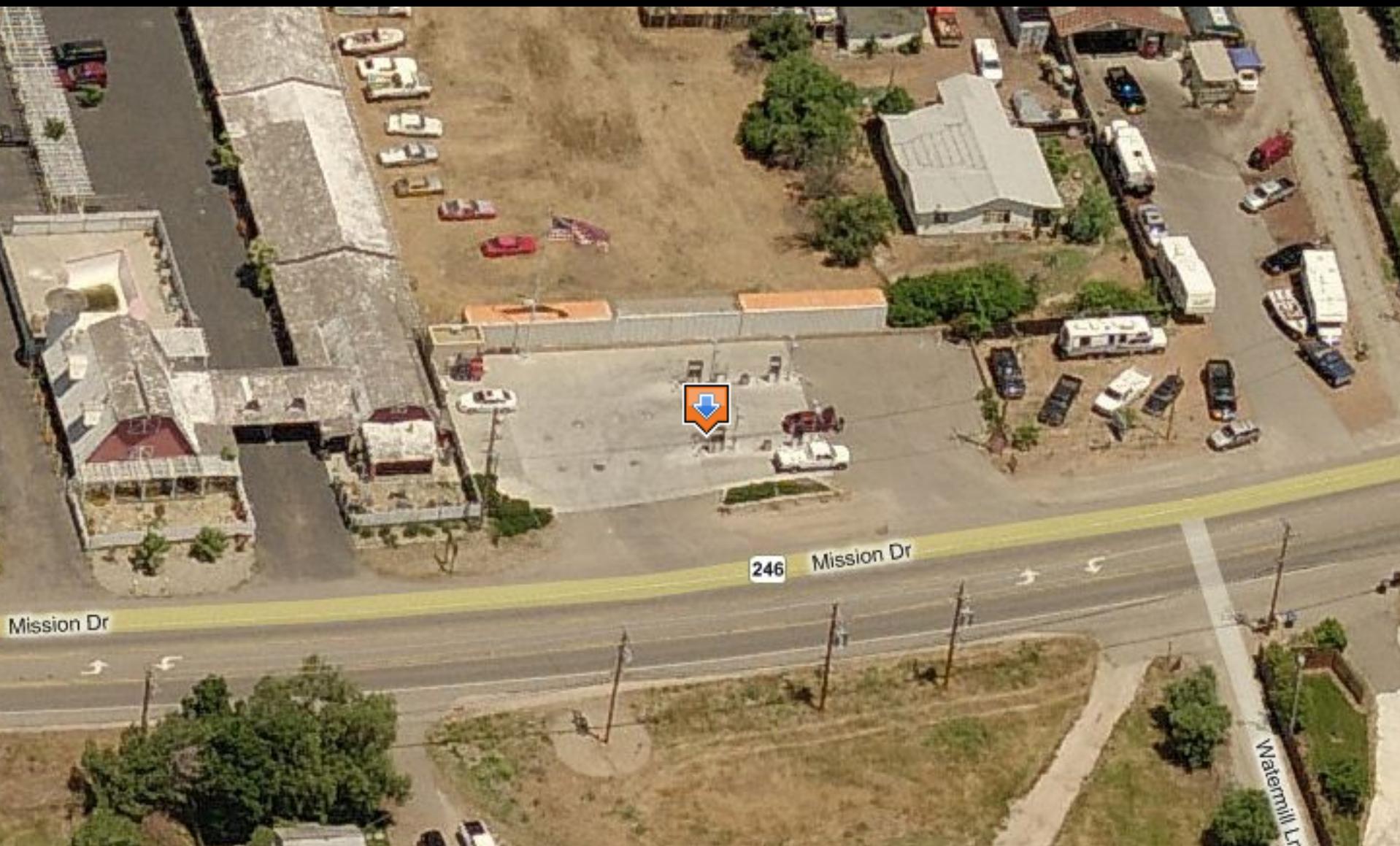
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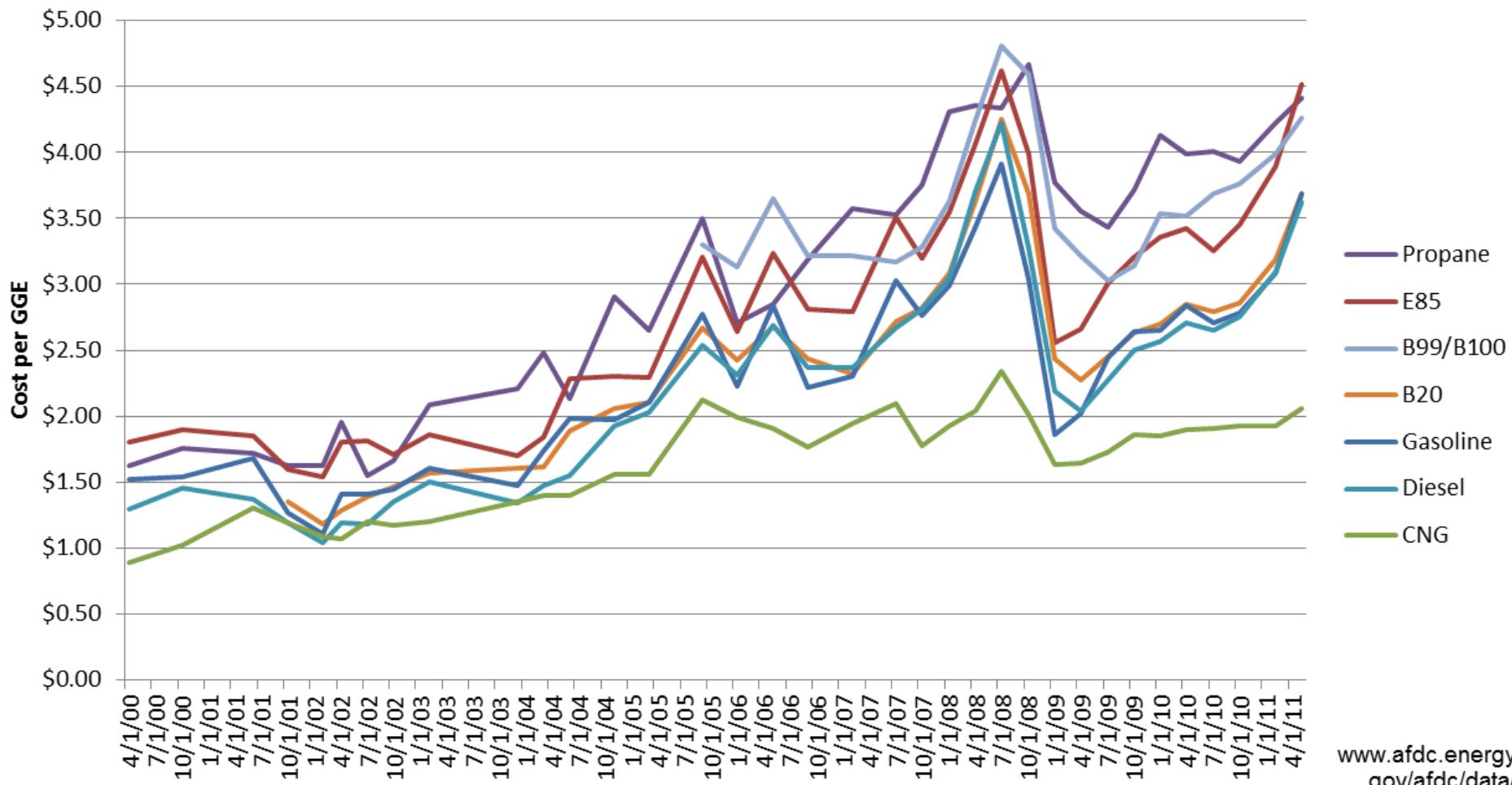








U.S. Average Retail Fuel Prices



Lessons Learned

A scenic sunset or sunrise over a range of mountains. The sun is low on the horizon, casting a warm orange glow across the sky and illuminating the peaks of the mountains. A long, thin white contrail or streak of light cuts across the clear blue sky above the mountains. In the foreground, dark, silhouetted bushes and branches are visible against the bright sky.

1. Leverage contacts and keep abreast of local offerings
2. Be about solutions
3. Make sure goals and intentions are clear
4. Communicate

Upcoming Activities

A scenic sunset over a range of mountains. The sun is low on the horizon, casting a bright orange glow that fades into a blue sky. A long, thin white contrail stretches across the upper portion of the image. In the foreground, dark, silhouetted bushes are visible against the lighter sky. In the distance, a body of water and some buildings can be seen at the base of the mountains.



NO
PARKING
IN LOT
EXCEPT
FUELING



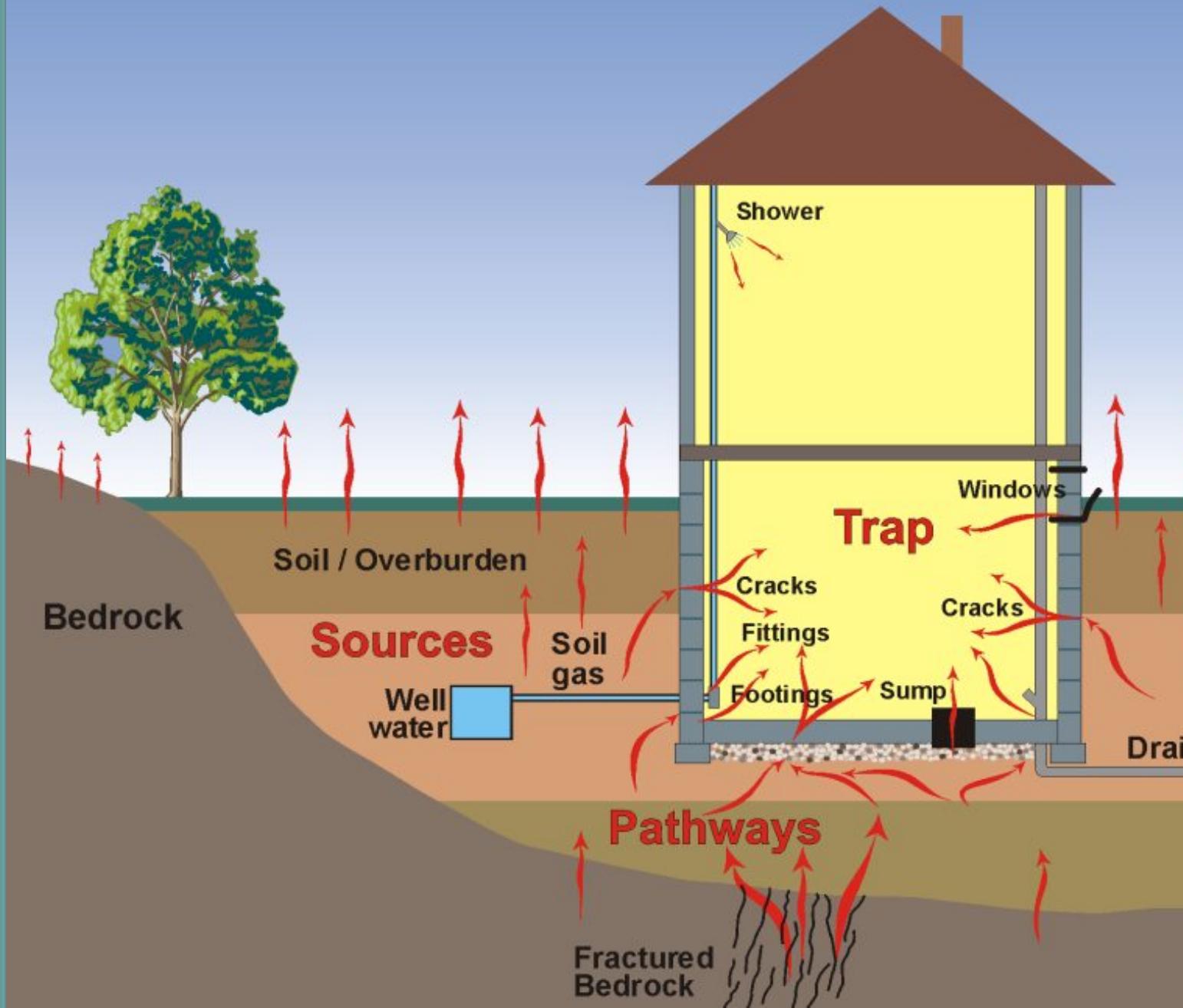
CHARGING
E STATION





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Radon Movement





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Chumash Community Energy Project

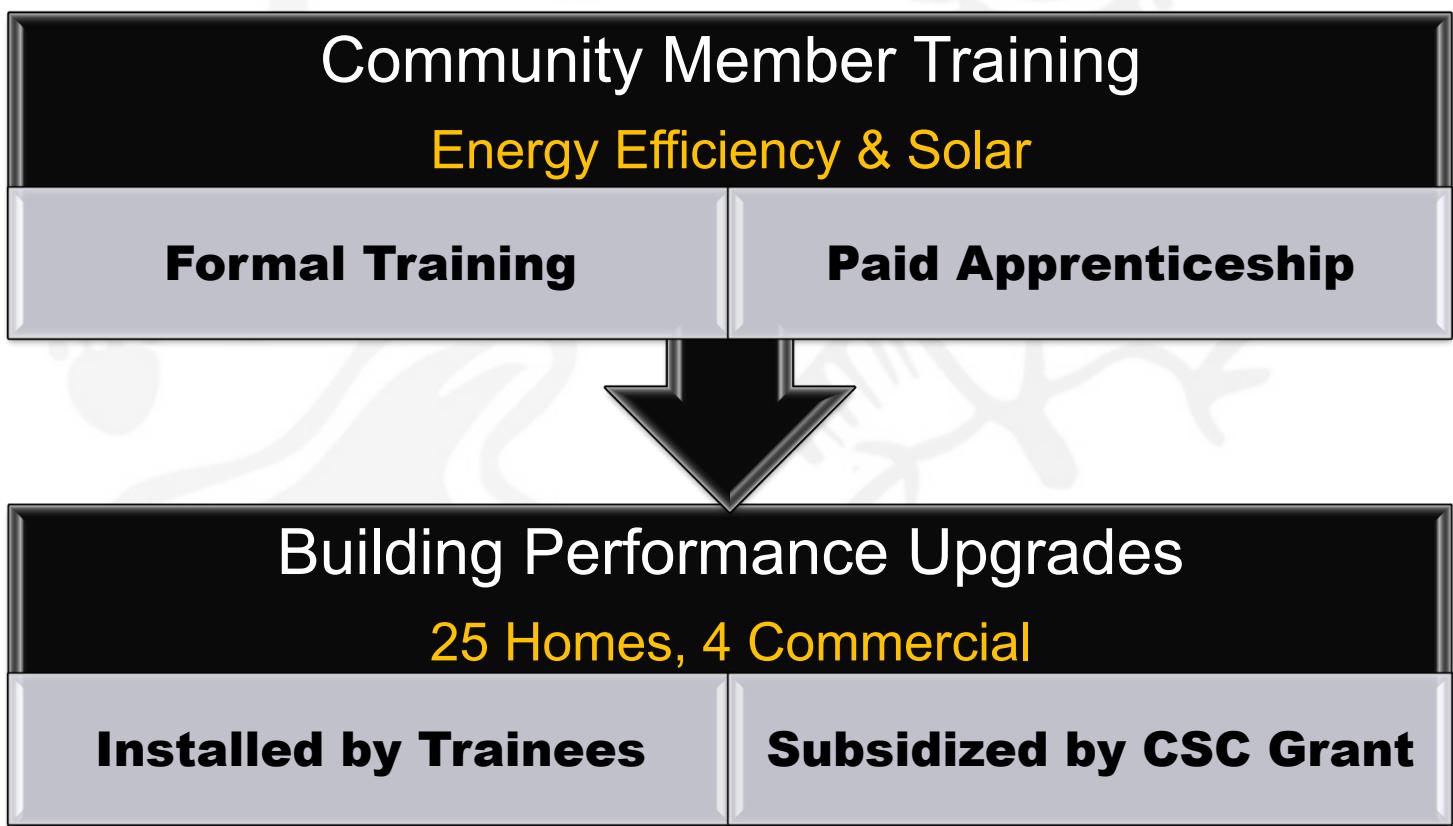


www.epa.gov/statelocalclimate/local/showcase/santaynez.html



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1. Know our Energy Use
2. Define Goals
3. Assess Options
4. Build Capacity

