



Strategic Energy Planning Project

Santa Ynez Chumash Environmental Office

Cherlyn Seruto
Energy Specialist

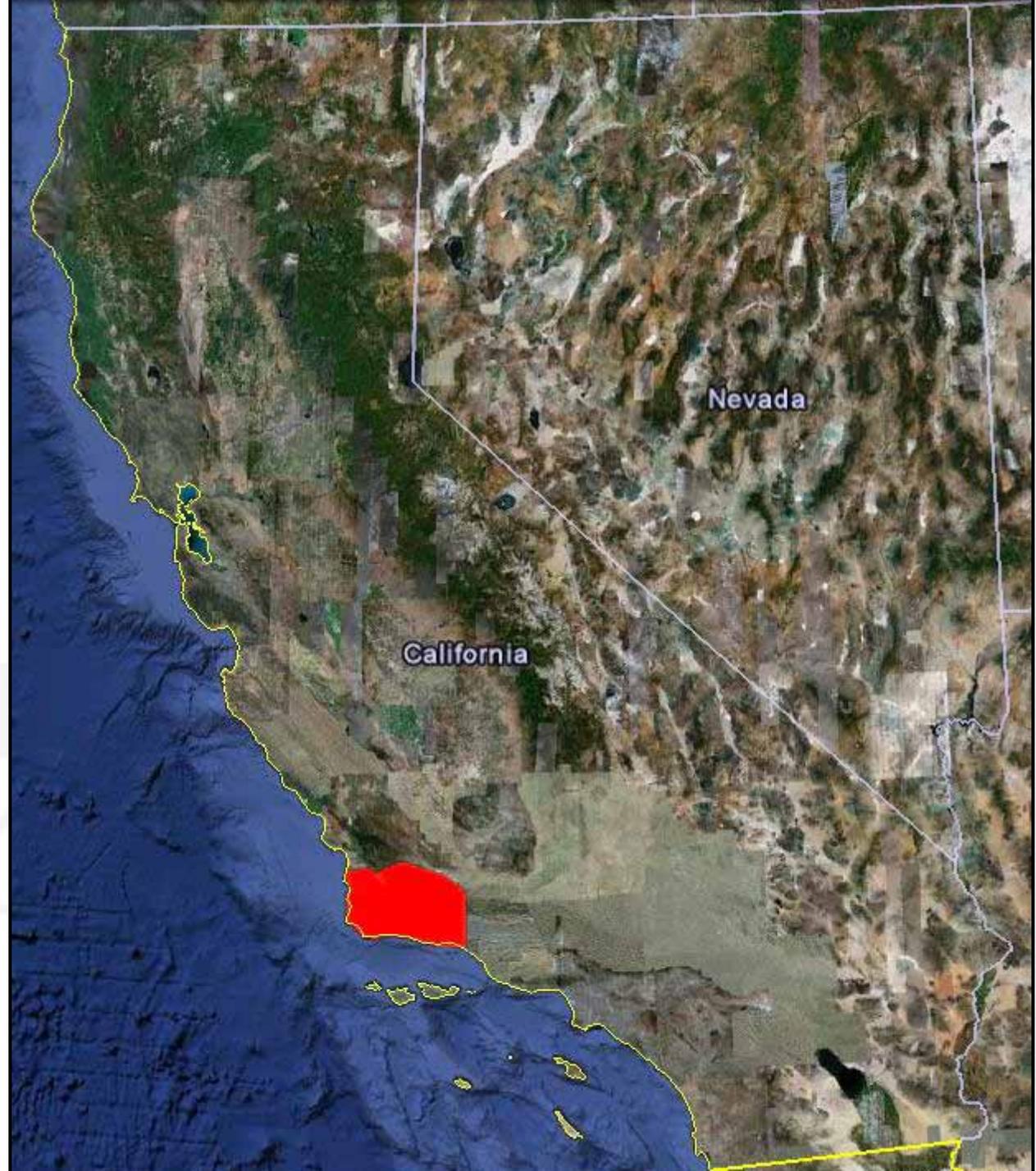
Josh Simmons
Environmental Director

Santa Ynez Band of Chumash Indians
November 15, 2011



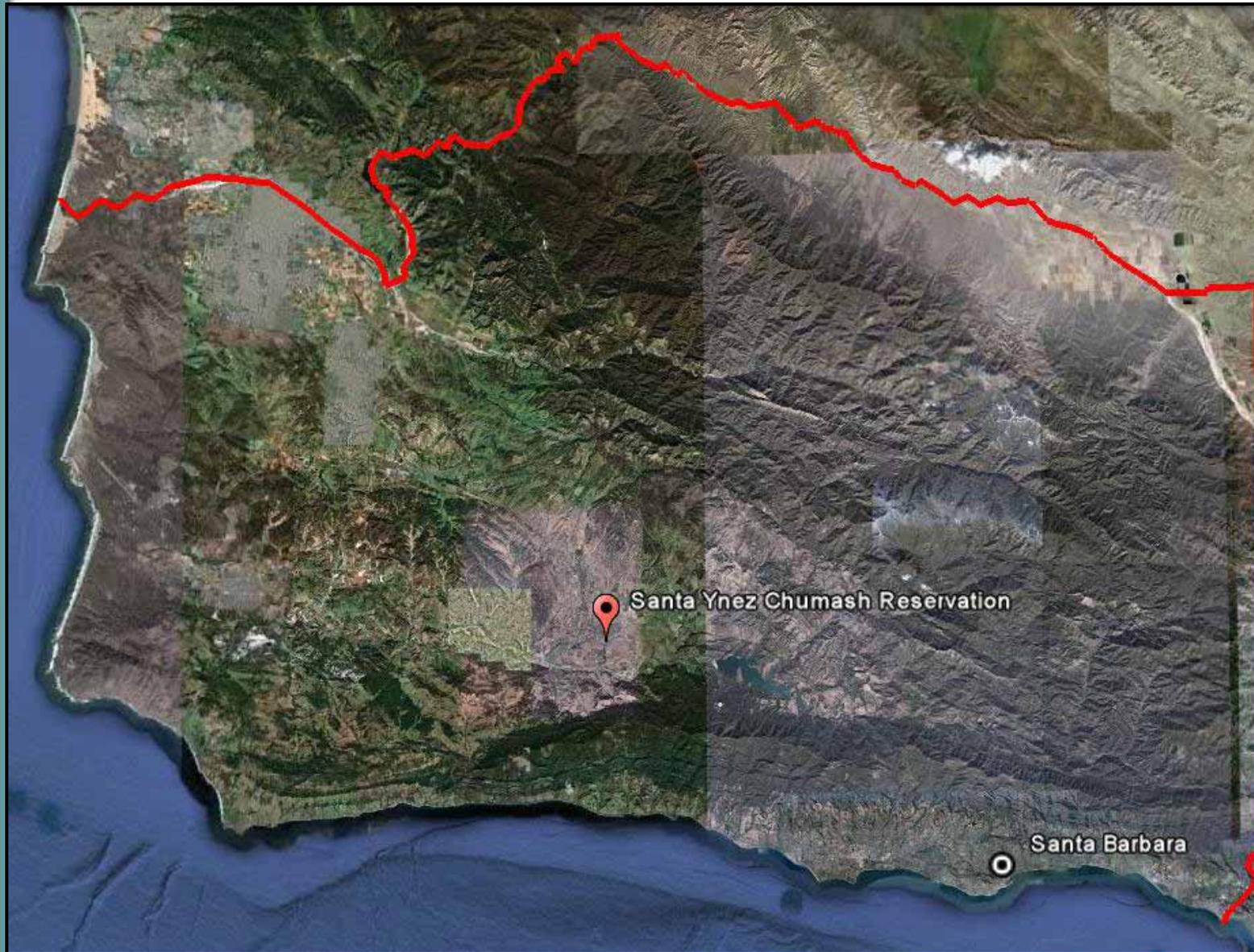


SANTA YNEZ
BAND OF
CHUMASH
INDIANS





SANTA YNEZ
BAND OF
CHUMASH
INDIANS



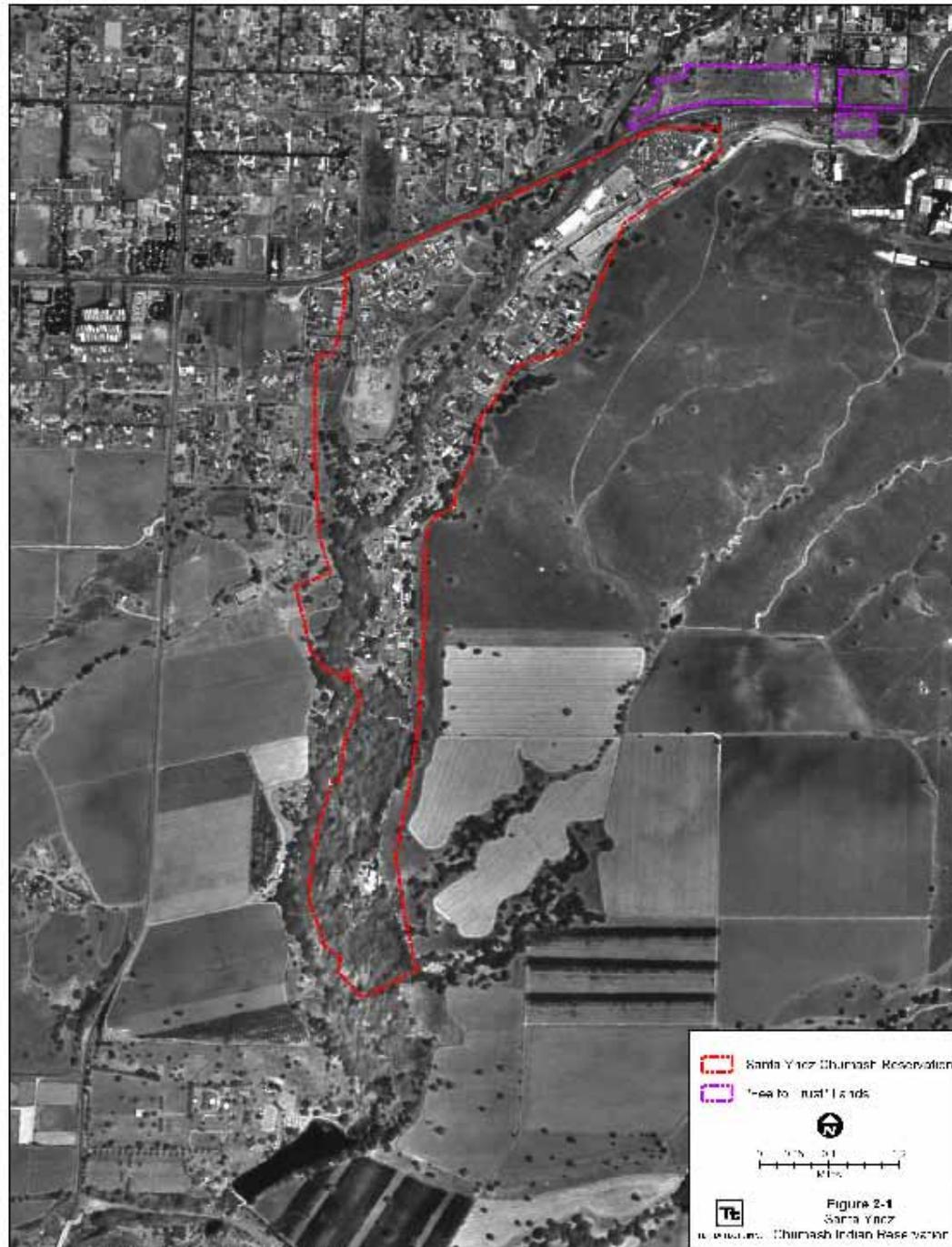


SANTA YNEZ
BAND OF
CHUMASH
INDIANS





SANTA YNEZ
BAND OF
CHUMASH
INDIANS





SANTA YNEZ
BAND OF
CHUMASH
INDIANS





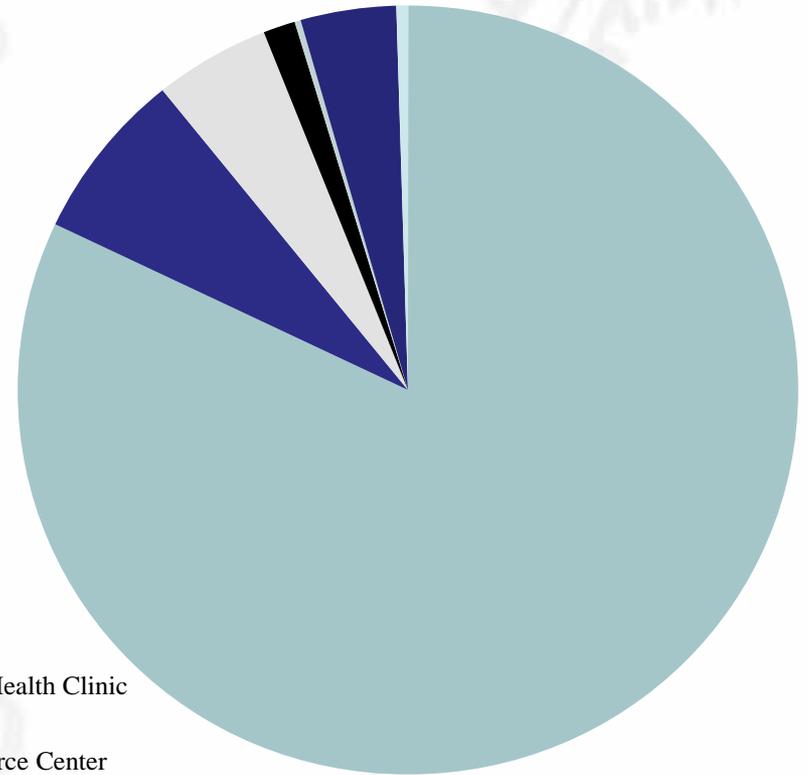
SANTA YNEZ
BAND OF
CHUMASH
INDIANS



Step 1: Know Our Energy Use



SANTA YNEZ
BAND OF
CHUMASH
INDIANS



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

Step 2: Envision our Energy Future



SANTA YNEZ
BAND OF
CHUMASH
INDIANS





SANTA YNEZ
BAND OF
CHUMASH
INDIANS

Step 3: Assess our Options







SANTA YNEZ
BAND OF
CHUMASH
INDIANS



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



Kree DR-1000

Cree LR6-DR1000 Series LED Module used to replace T5 HO fluorescents and halogens in lower ceilings



90 W Halogen PAR 38 Reflector Lamp



120W Incandescent BR40 Reflector Lamp



32 W Compact Fluorescent Luminaire

SustainableLEDDesign

COOPER Lighting

Halo 1200 Series LED Module used to replace twin lamp fluorescents





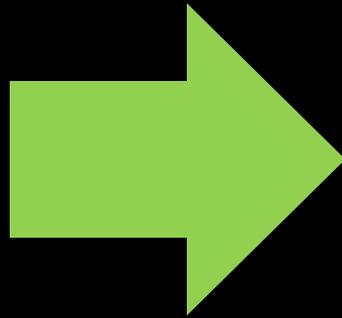
CHUMASH



**USED COOKING
OIL**









NO
PARKING
IN LOT
EXCEPT
PARKING



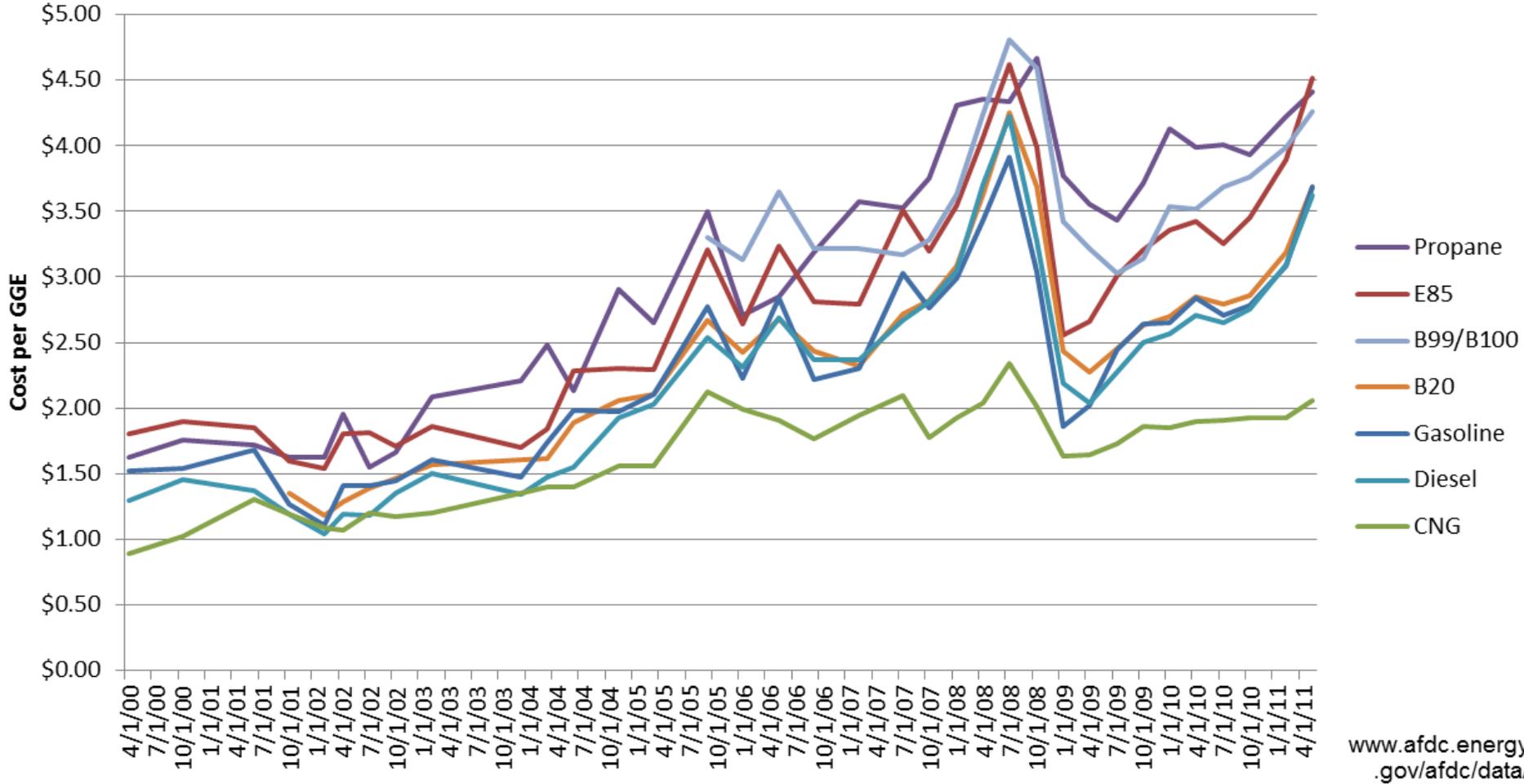


246 Mission Dr

Mission Dr

Watermill Ln

U.S. Average Retail Fuel Prices





CHARGING



STATION









SANTA YNEZ
BAND OF
CHUMASH
INDIANS

Chumash Community Energy Project



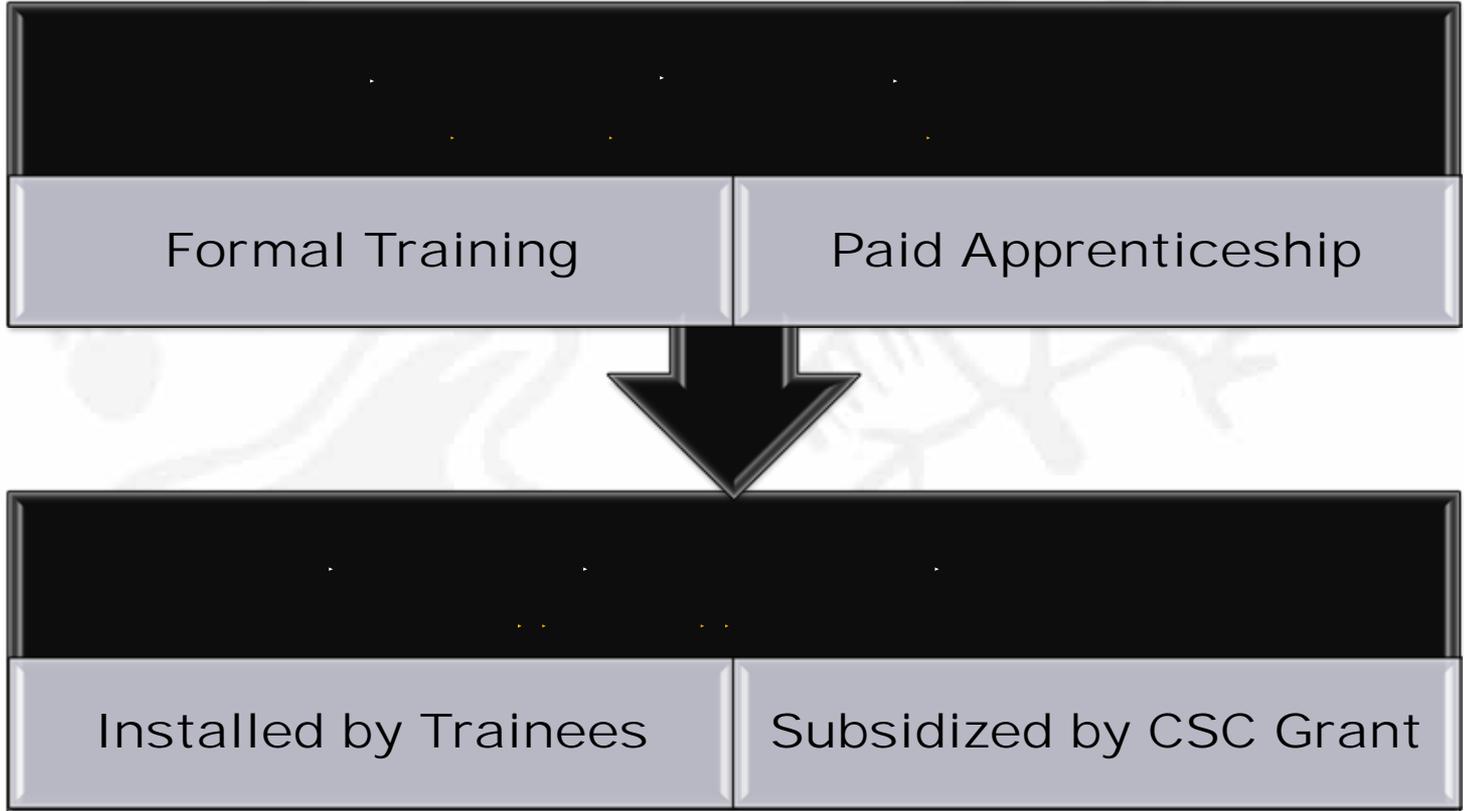
Climate Showcase Communities
Local Climate and Energy Program

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



SANTA YNEZ
BAND OF
CHUMASH
INDIANS

Chumash Community Energy Project



Thank You
Questions?

