

***RECOMMENDED AREA
DESIGNATIONS FOR THE
REVISED FEDERAL 8-HOUR
OZONE STANDARD***

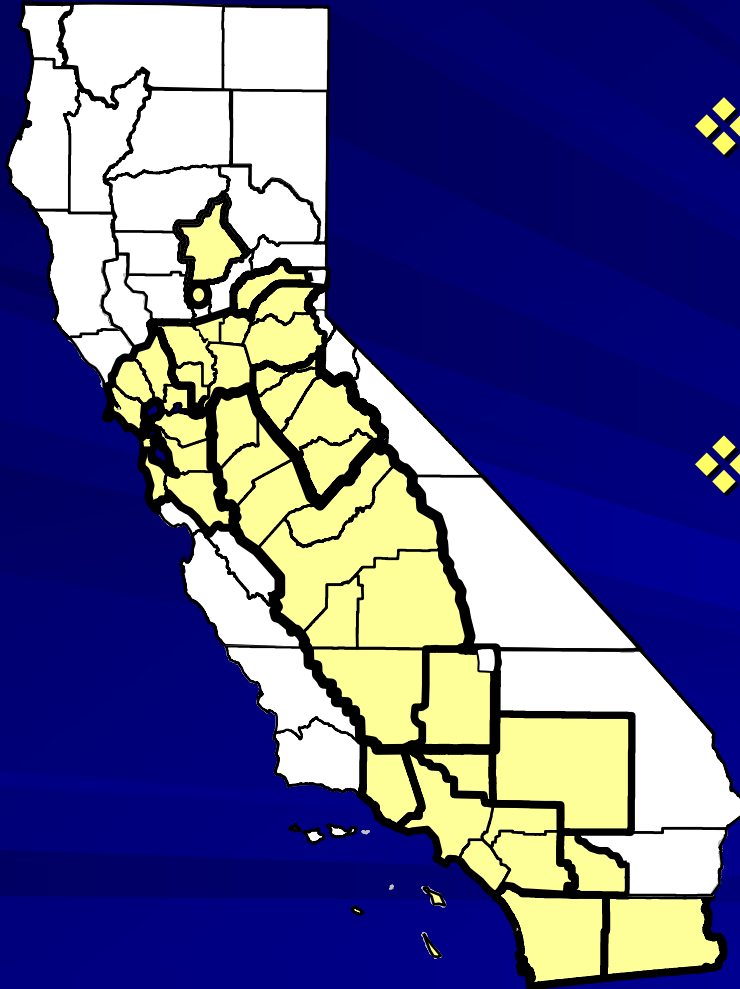
*Air Resources Board
Planning and Technical Support Division*

*February 26, 2009
Sacramento, California*

Revised Federal Ozone Standard

- ❖ **Federal standard revised March 2008**
- ❖ **8-Hour standard lowered to 0.075 ppm**
- ❖ **State recommendations due to U.S. EPA
March 2009**
- ❖ **U.S. EPA issues final designations by
March 2010**

Continuing Nonattainment Areas



- ❖ **Areas violating old standard also violate revised standard**
- ❖ **Includes major urban areas and adjacent downwind areas**

Designation Process

- ❖ **Review air quality data**
 - 2006 through 2008
- ❖ **Identify areas that violate standard**
- ❖ **Determine boundaries**
 - Air quality, emissions, population, weather, geography
 - Default area is county
 - Smaller area if justified

New Nonattainment Areas

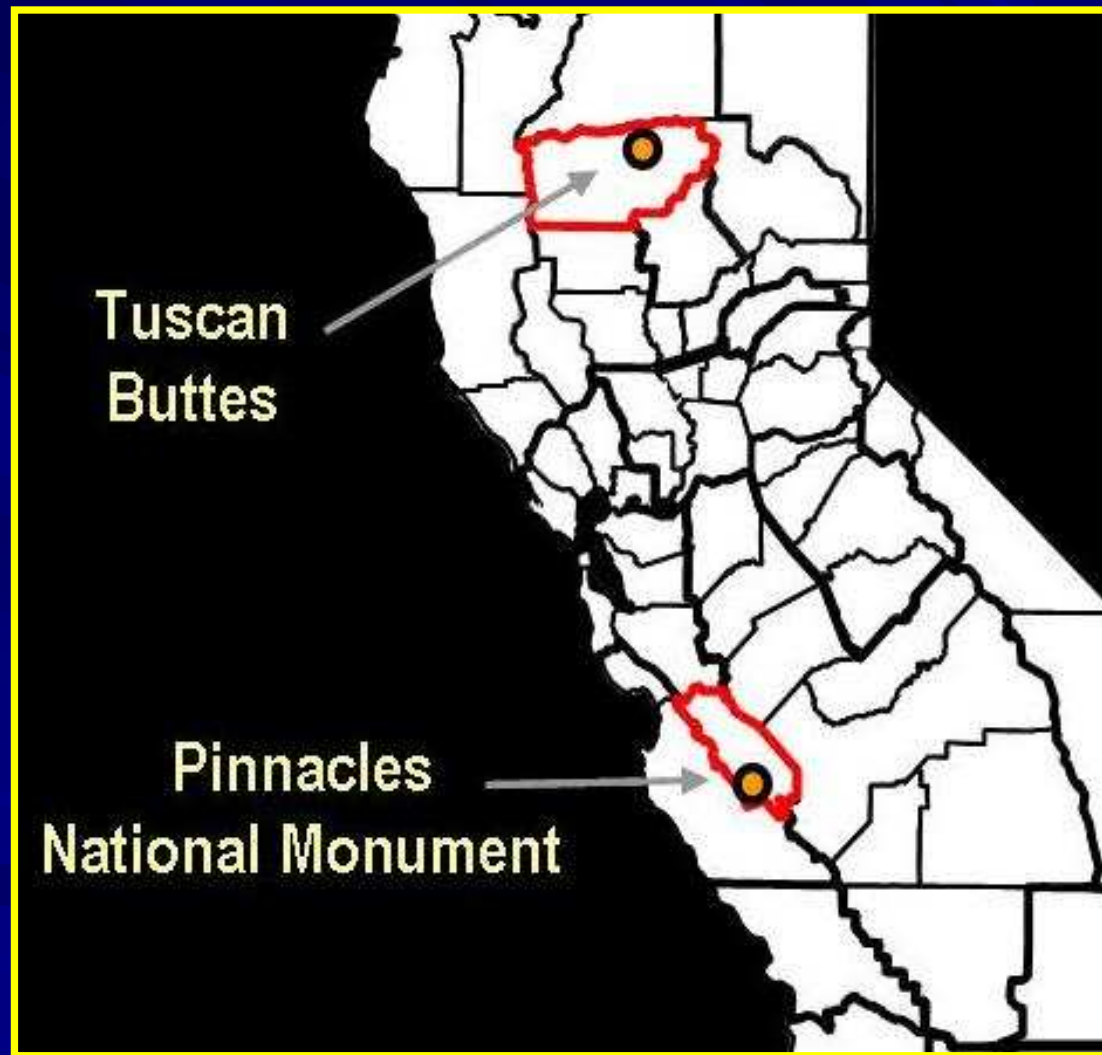
- ❖ **Six new areas**
- ❖ **Rural in nature and transport dominated**
- ❖ **Attainment depends on upwind emission reductions**

Eastern Kern County

- ❖ Expand existing nonattainment area to include Indian Wells Valley
- ❖ Similar air quality throughout eastern County -- within 15% of standard



Remote, High Elevation Areas



Tuscan Buttes

- ❖ Sited to monitor high elevation transport
- ❖ Elevated terrain



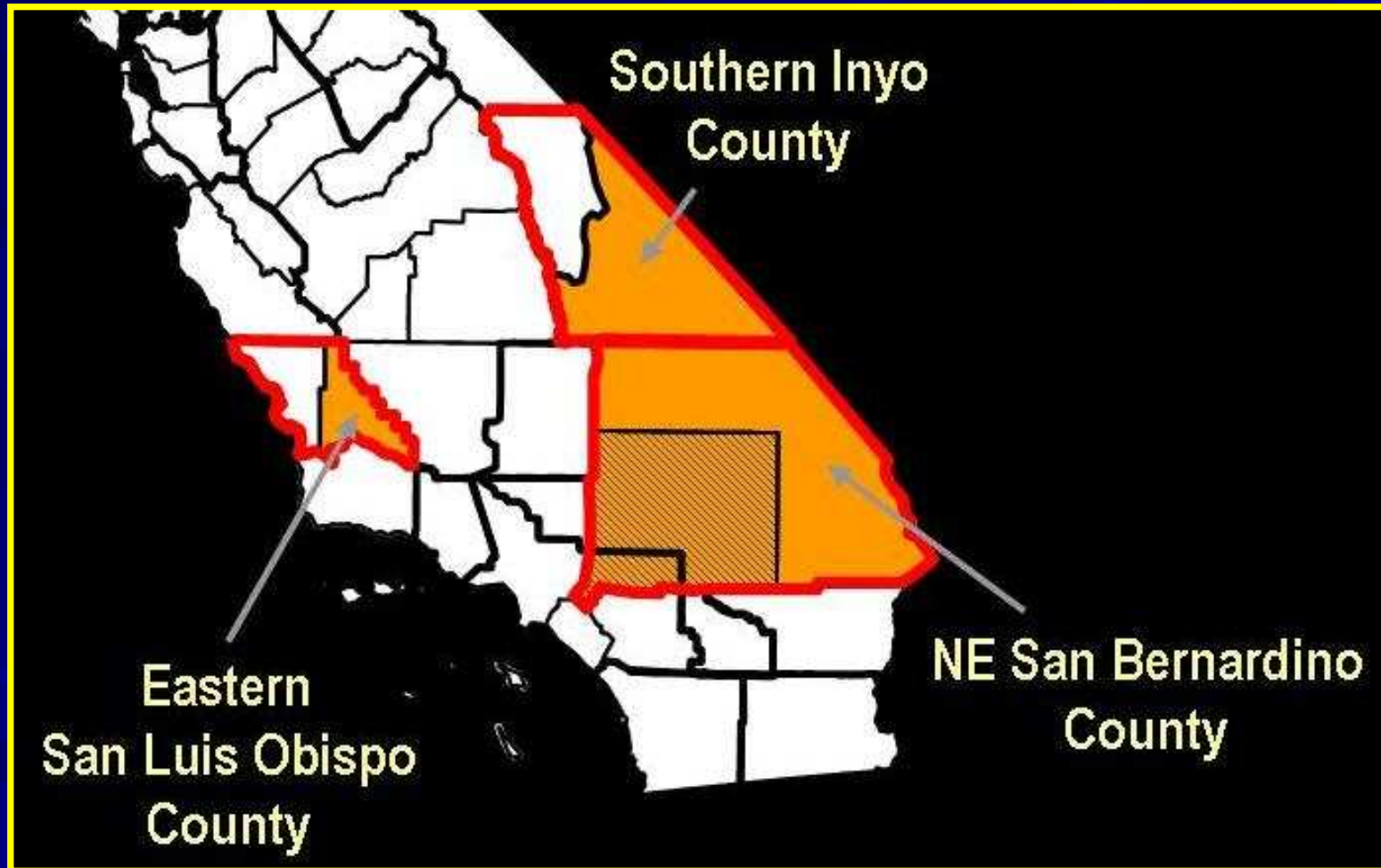
- ❖ Not representative of population exposure
- ❖ Surrounding areas attain standard

Pinnacles National Monument



- ❖ **Located in Coastal Range east of Monterey Bay**
- ❖ **No local population or emission sources**
- ❖ **Surrounding areas attain standard**
- ❖ **Transport impact from San Francisco Bay Area**

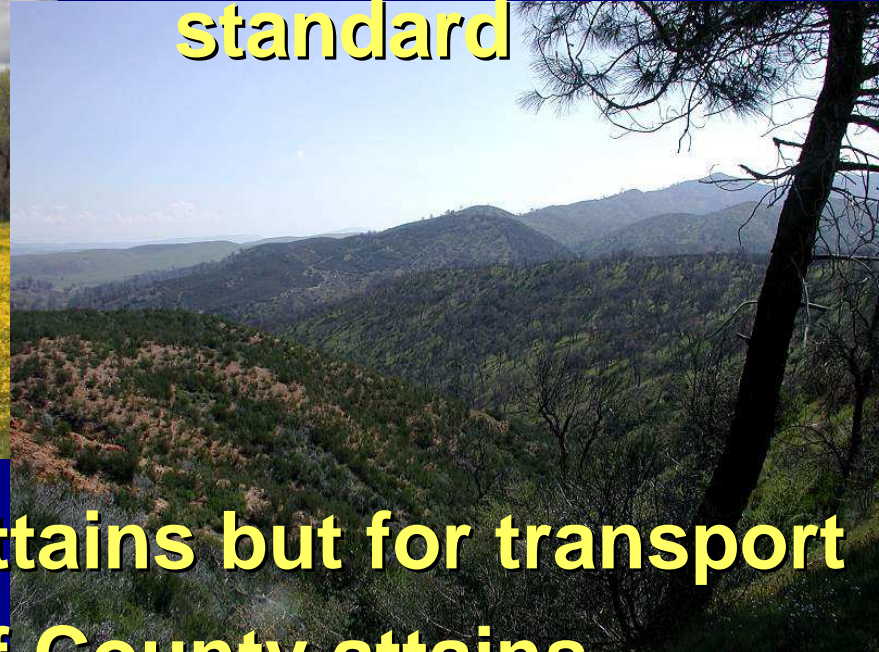
New Rural Transport Areas



San Luis Obispo County



❖ Elevated eastern sites violate standard



- ❖ Eastern County attains but for transport
- ❖ Coastal portion of County attains

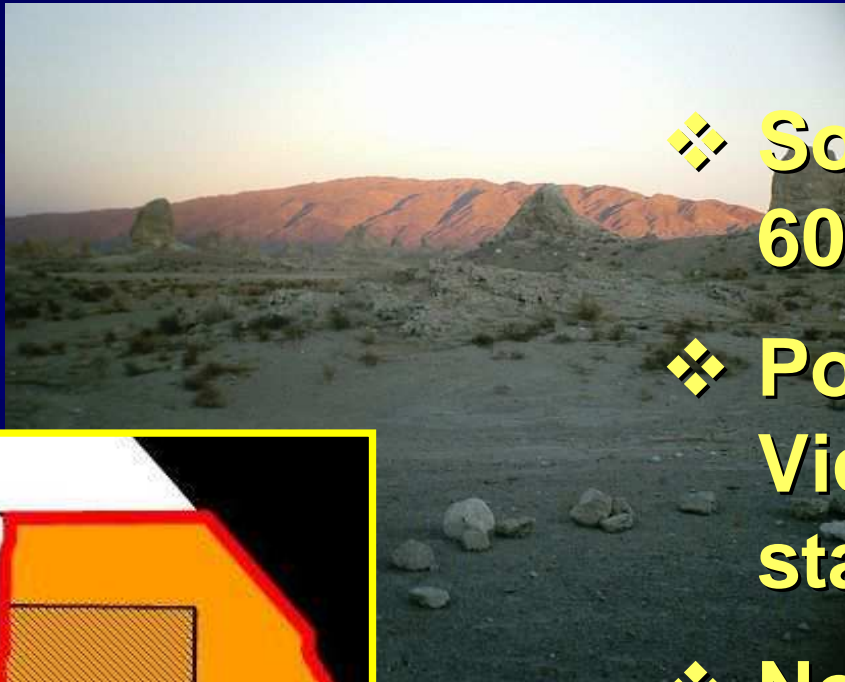
Southern Inyo County



- ❖ **State's second largest county**
- ❖ **Rural area with few emission sources**
- ❖ **Violations at Death Valley monitor**
- ❖ **Transport impact from South Coast and San Joaquin Valley**



San Bernardino County Nonattainment Areas



- ❖ **South Coast portion
60% above standard**
- ❖ **Portion including
Victorville 40% above
standard**
- ❖ **Northeast portion
less than 10% above
standard**



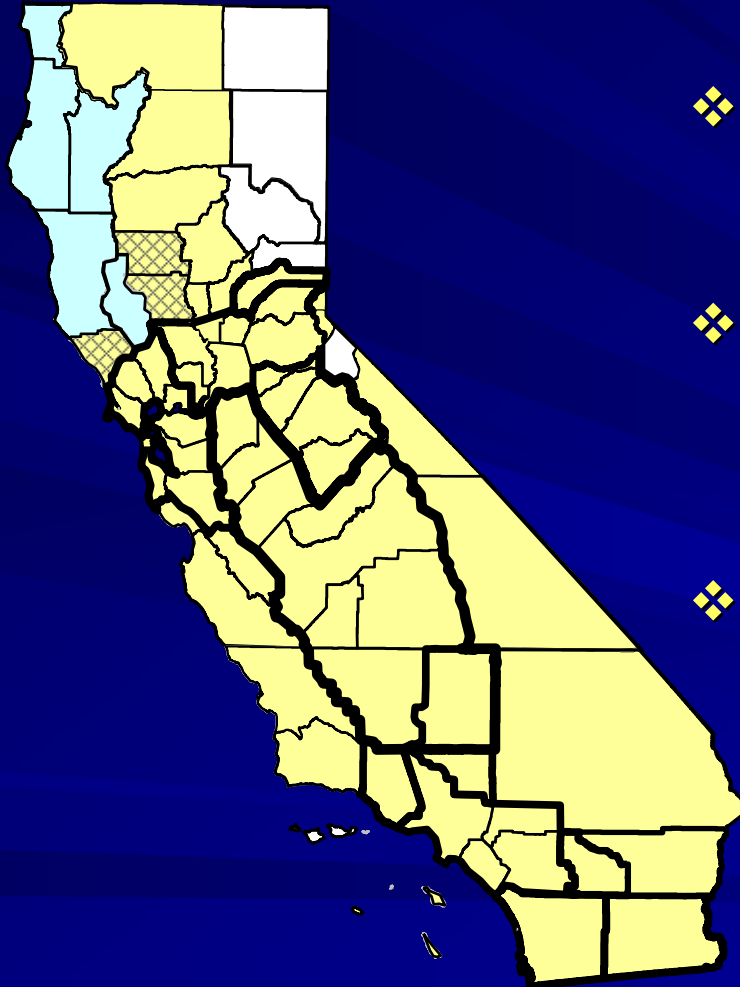
Staff Recommendations

- ❖ **Submit recommendations to U.S. EPA by March 12, 2009**





State Ozone Nonattainment Areas



- ❖ **State standard is lower than federal standard (0.070ppm vs. 0.075ppm)**
- ❖ **State uses highest value for comparison, while U.S. EPA uses 3-year average of 4th highest concentrations**
- ❖ **Map reflects status based on 2005-2007 data**