

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

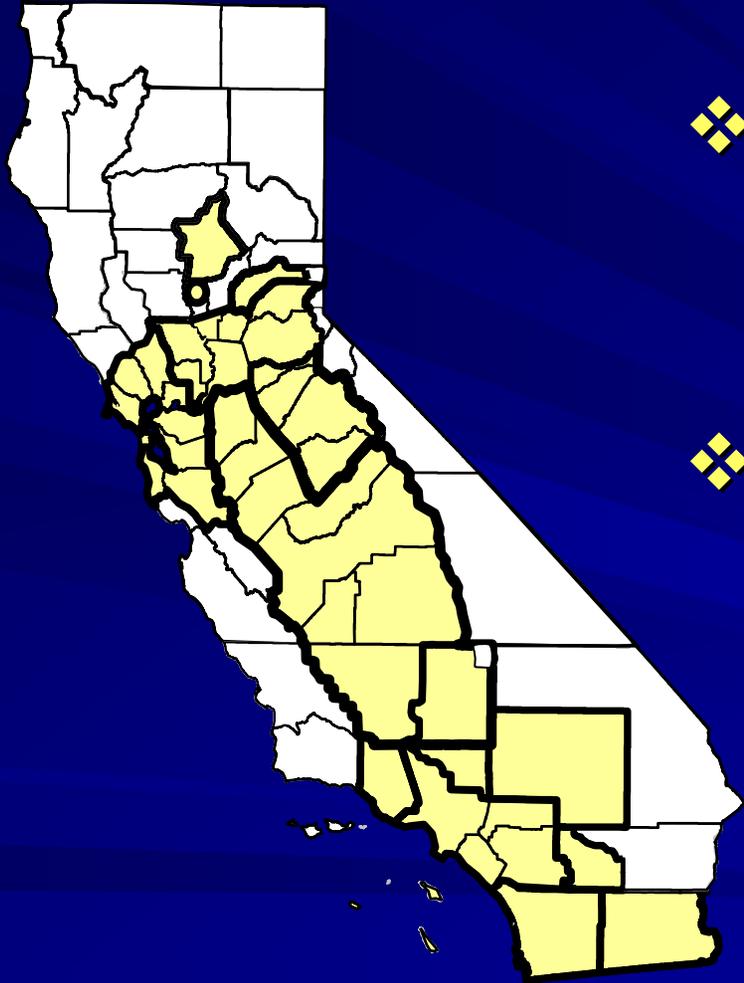
*Air Resources Board  
Planning and Technical Support Division*

*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***

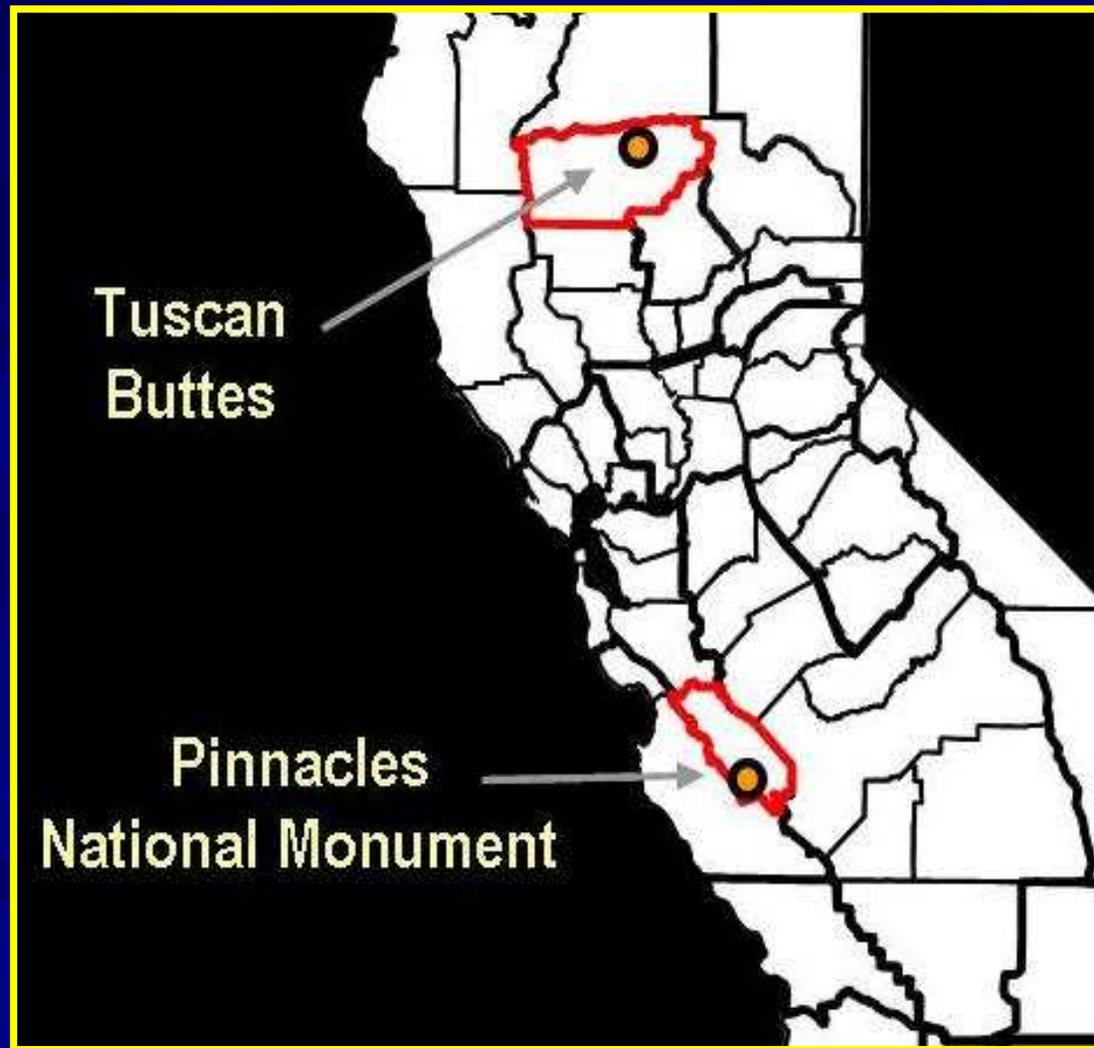
- ❖ **Six new areas**
- ❖ **Rural in nature and transport dominated**
- ❖ **Attainment depends on upwind emission reductions**

# *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



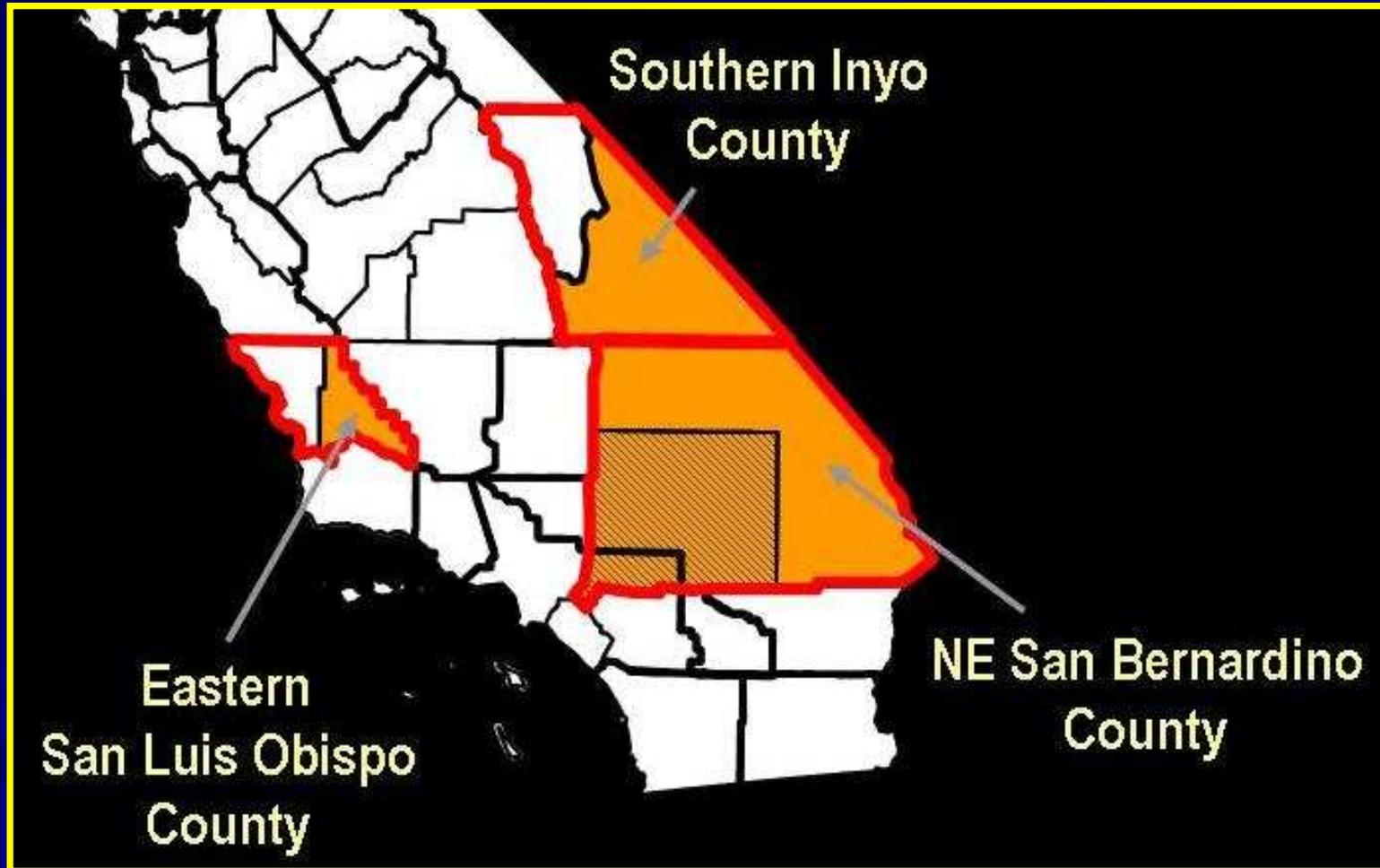
- ❖ Not representative of population exposure
- ❖ Surrounding areas attain standard

# ***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**

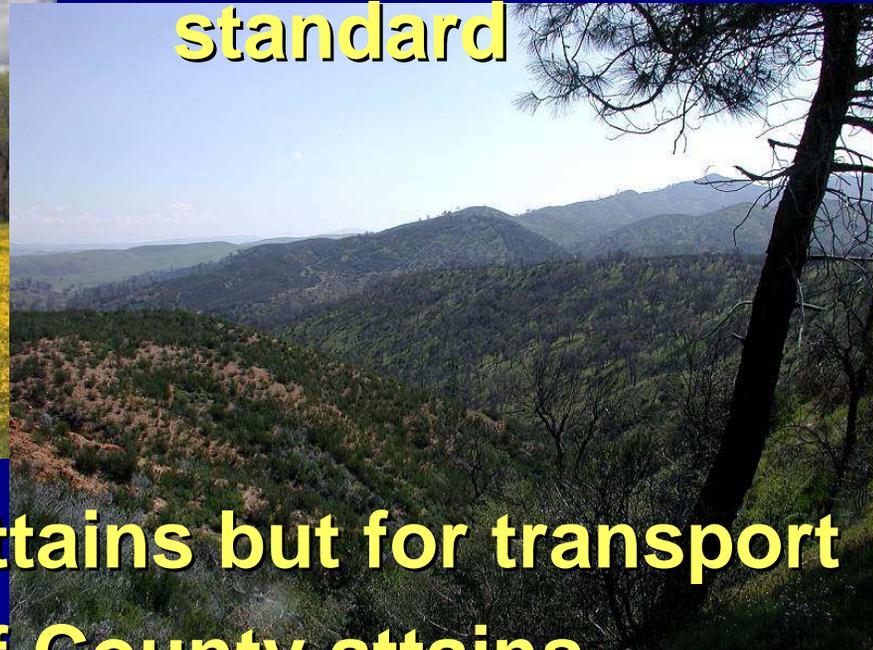
# *New Rural Transport Areas*



# *San Luis Obispo County*



❖ Elevated eastern sites violate standard

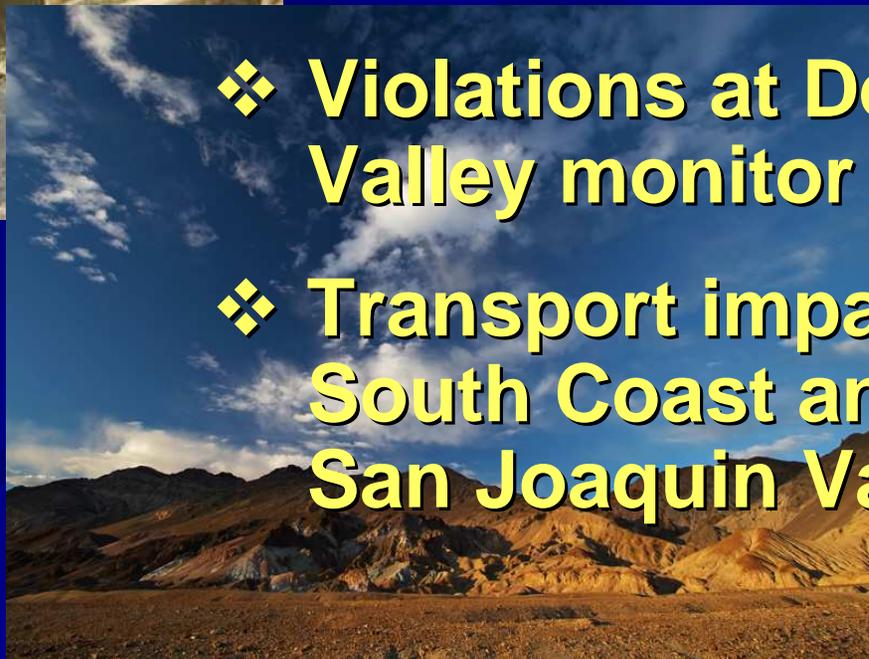


- ❖ Eastern County attains but for transport
- ❖ Coastal portion of County attains

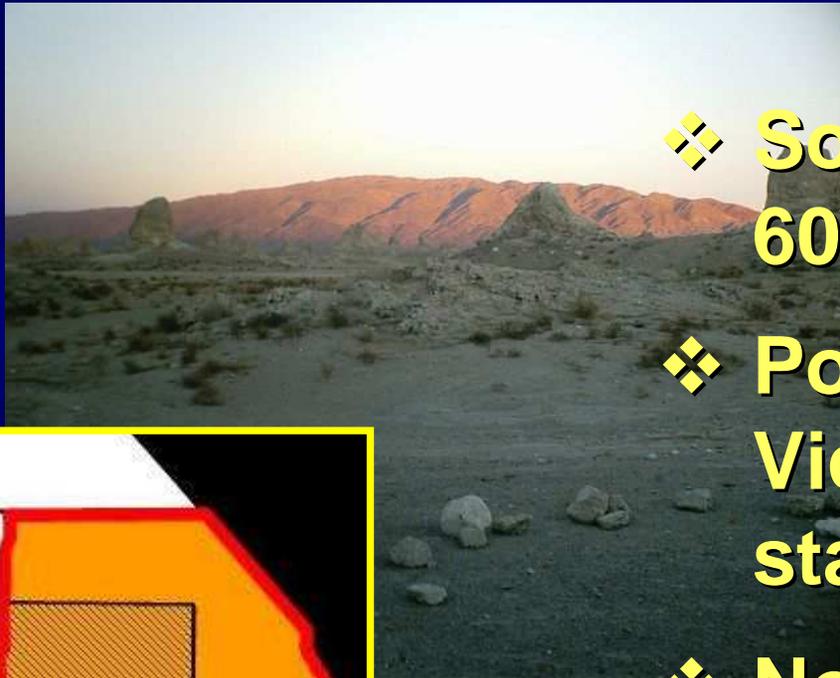
# ***Southern Inyo County***



- ❖ **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**



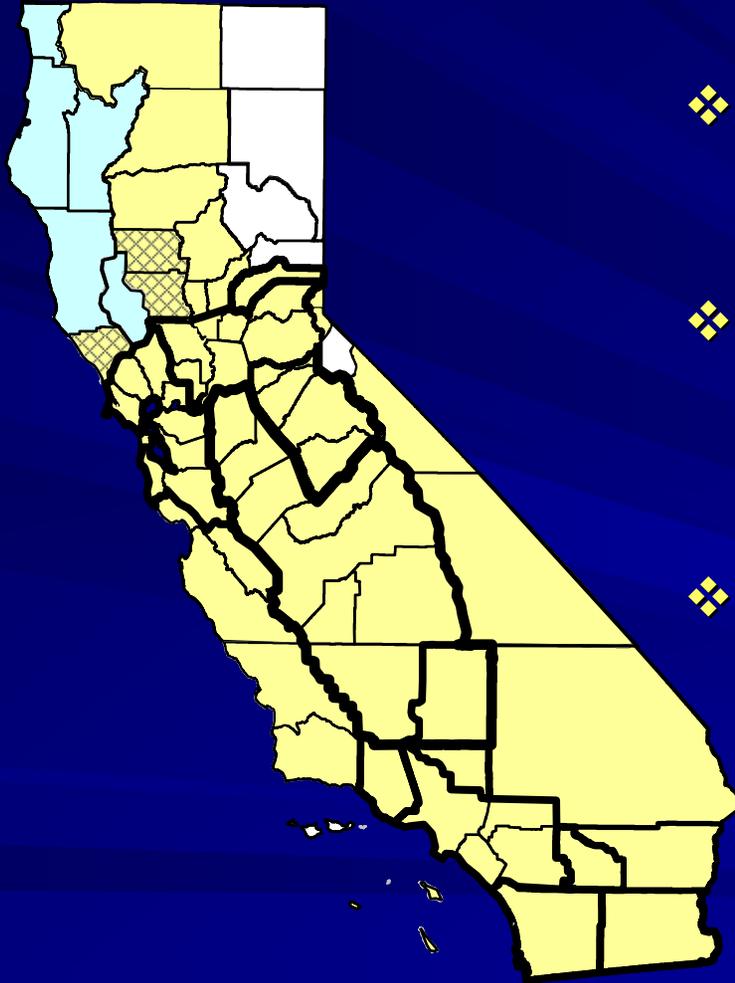
# ***Staff Recommendations***

- ❖ **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 4<sup>th</sup> highest concentrations**
- ❖ **Map reflects status based on 2005-2007 data**