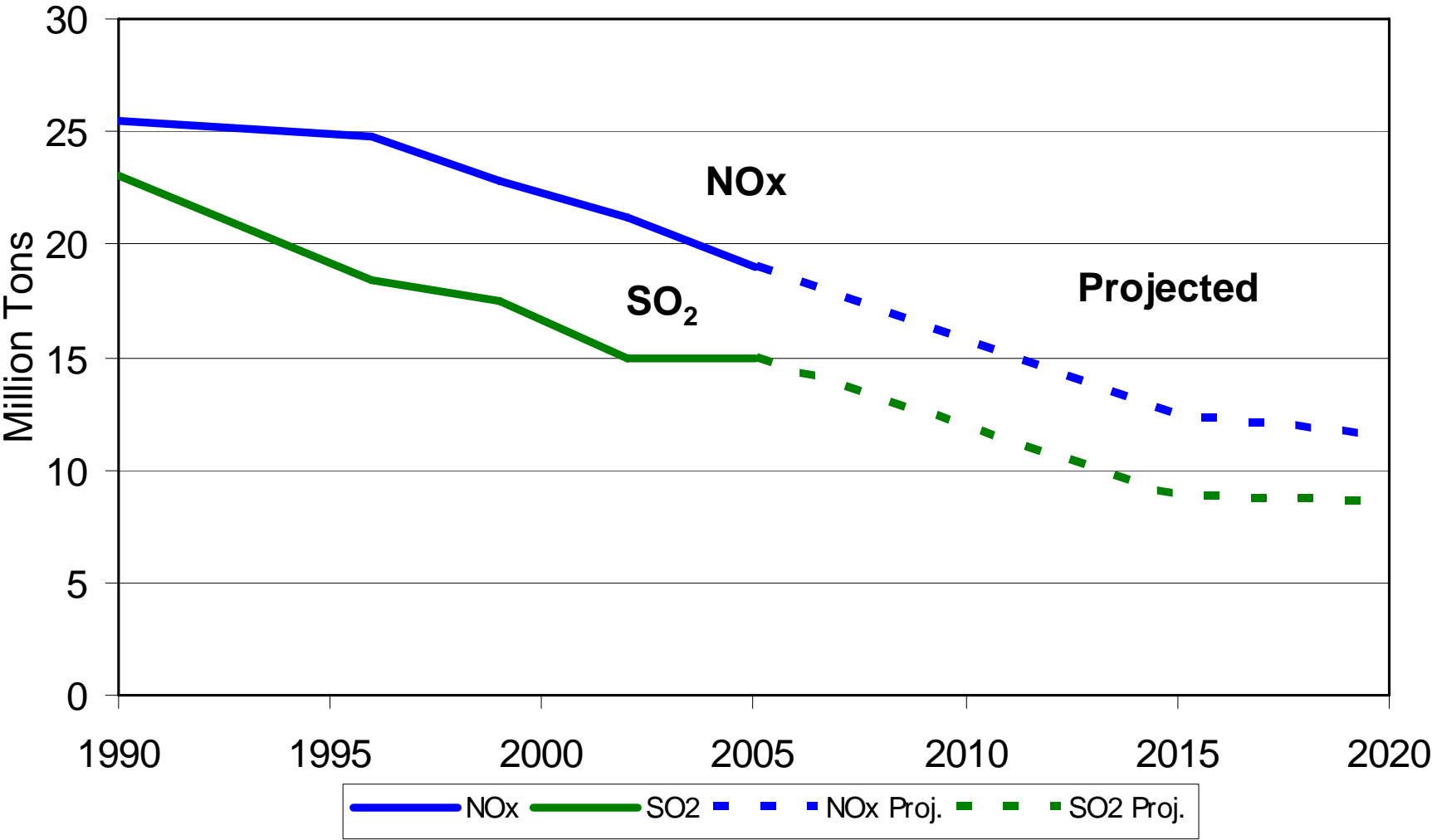


# *Graph and Maps*

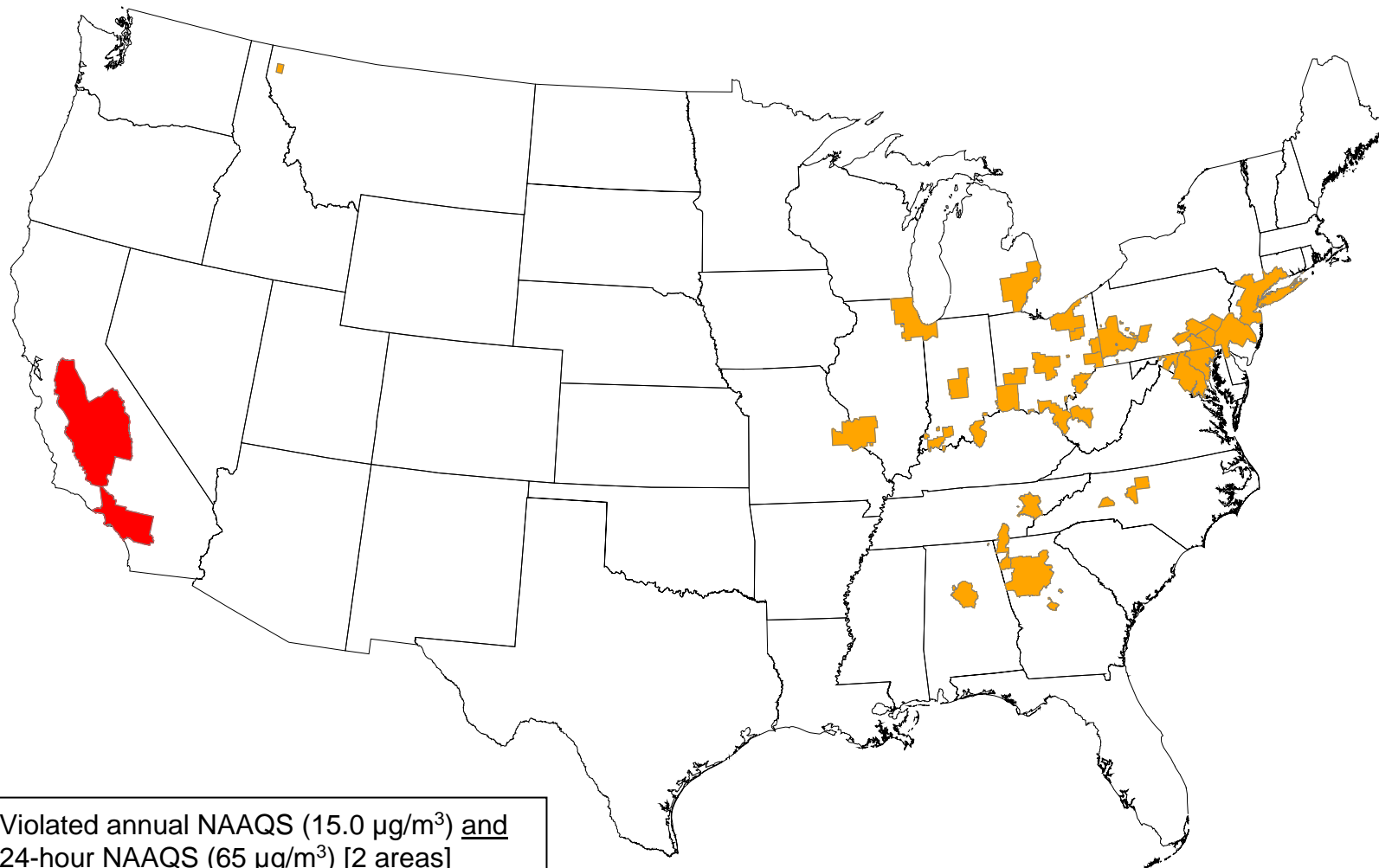
# Reducing Particle Pollution Precursors

## National NO<sub>x</sub> and SO<sub>2</sub> Emissions From All Sources



# Currently Designated PM<sub>2.5</sub> Nonattainment Areas - 1997 Standards

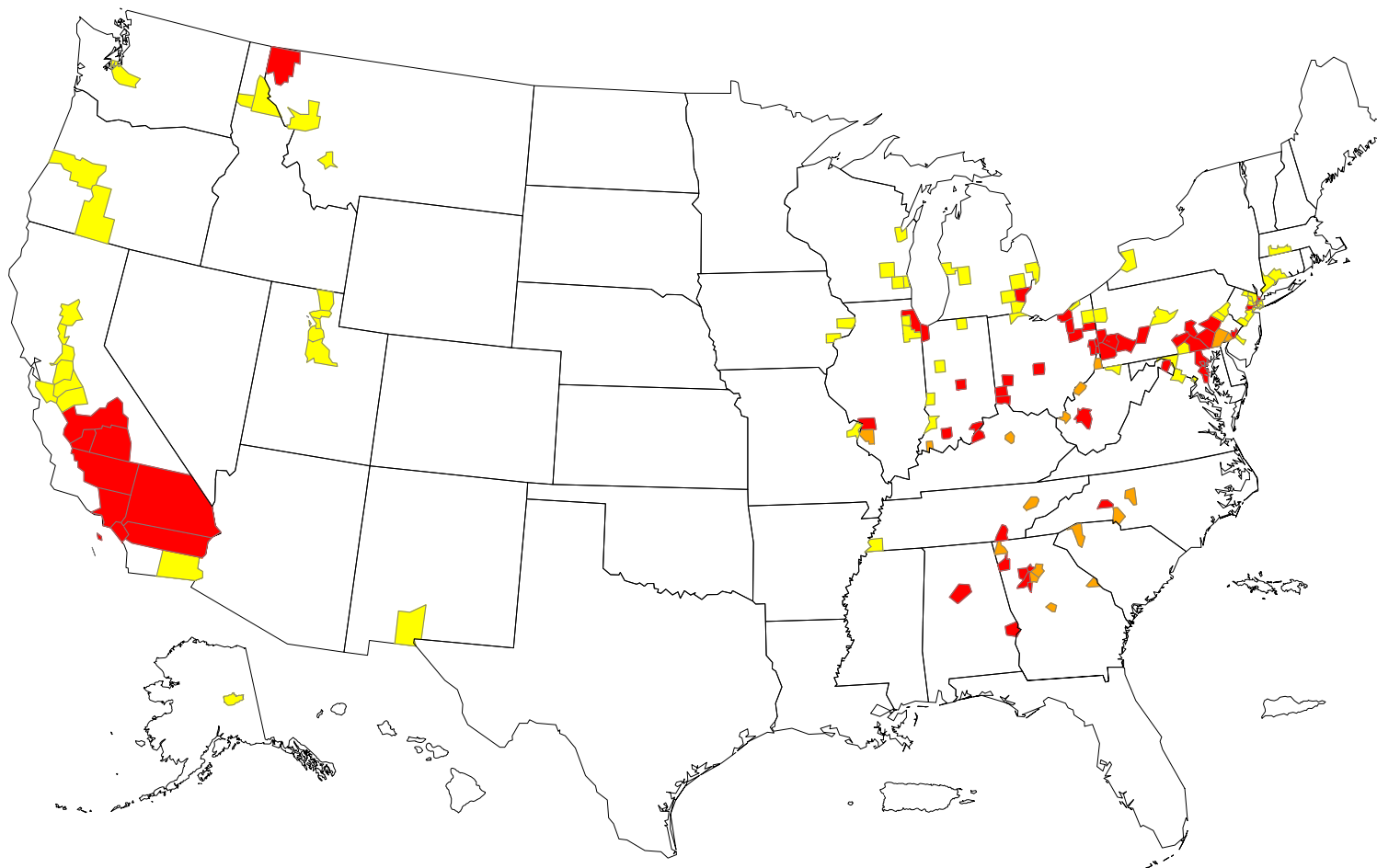
Violated annual and/or 24-hour NAAQS with designated data (2001-2003\*)



- Violated annual NAAQS (15.0  $\mu\text{g}/\text{m}^3$ ) and 24-hour NAAQS (65  $\mu\text{g}/\text{m}^3$ ) [2 areas]
- Violated only 24-hour NAAQS (65  $\mu\text{g}/\text{m}^3$ ) [0 areas]
- Violated only annual NAAQS (15.0  $\mu\text{g}/\text{m}^3$ ) [37 areas]

\* 2002-2004 data were considered in the designation process but all nonattainment designations were based on 2001-2003 data

# Counties Exceeding New NAAQS Levels, Based on 2003-2005 Monitoring Data



## Legend

County with monitor exceeding:

- both annual and 24-hour PM2.5 standards
- ONLY the 24-hour PM2.5 standard
- ONLY the annual PM2.5 standard

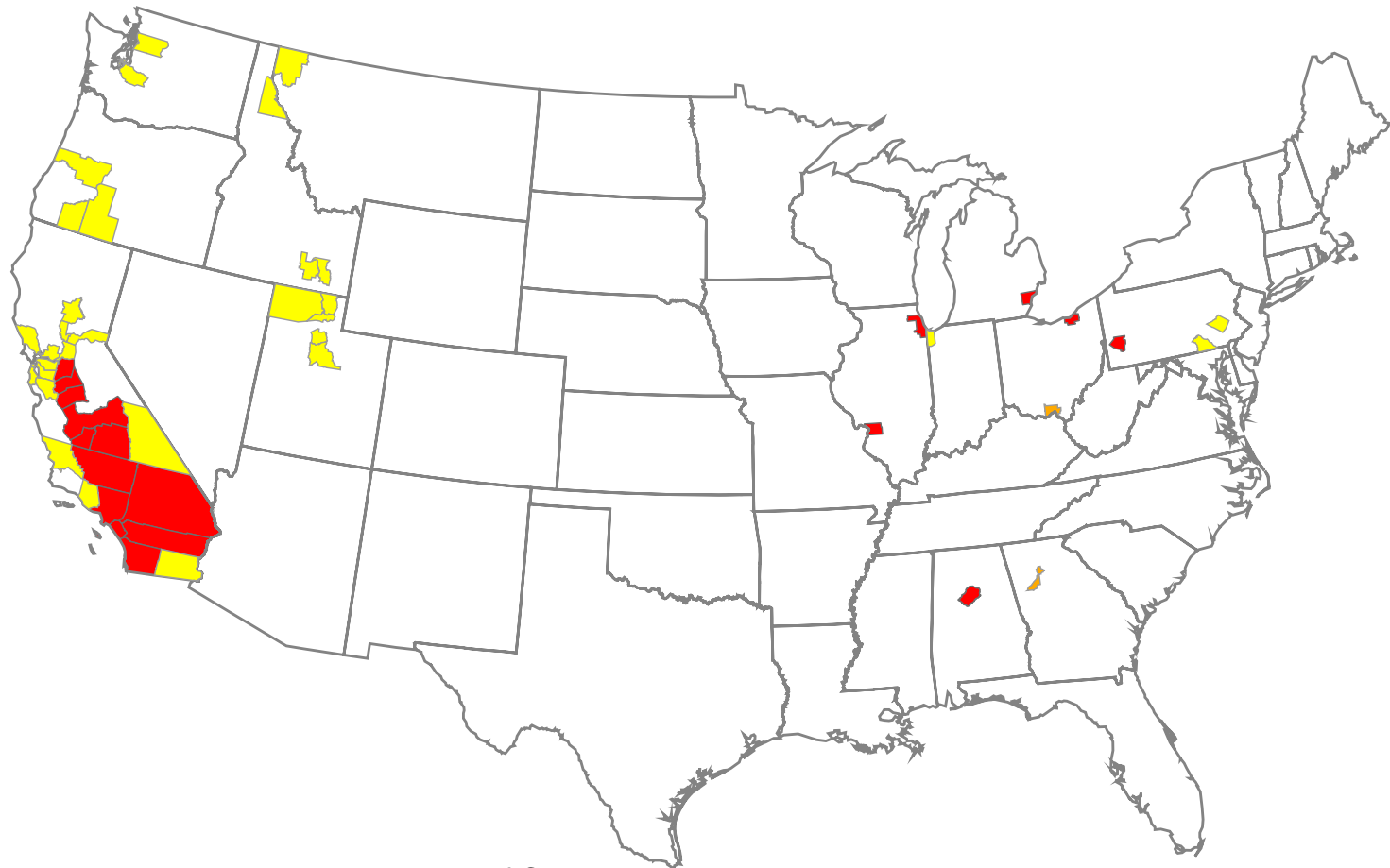
Number of Counties

55  
69  
17  
141

- Data from AQS 7/10/2006
- Data completeness computed per CFR 7/10/2006

# ***Modeled Estimates for the Year 2015***

Counties Projected to Exceed the PM2.5 NAAQS in 2015  
Based on EPA Modeling\*  
Annual **15 ug/m3** and 24-Hour **35 ug/m3**



**Legend**

County with monitor exceeding:

- both annual and 24-hour PM2.5 standards 18
- ONLY the 24-hour PM2.5 standard 32
- ONLY the annual PM2.5 standard 2

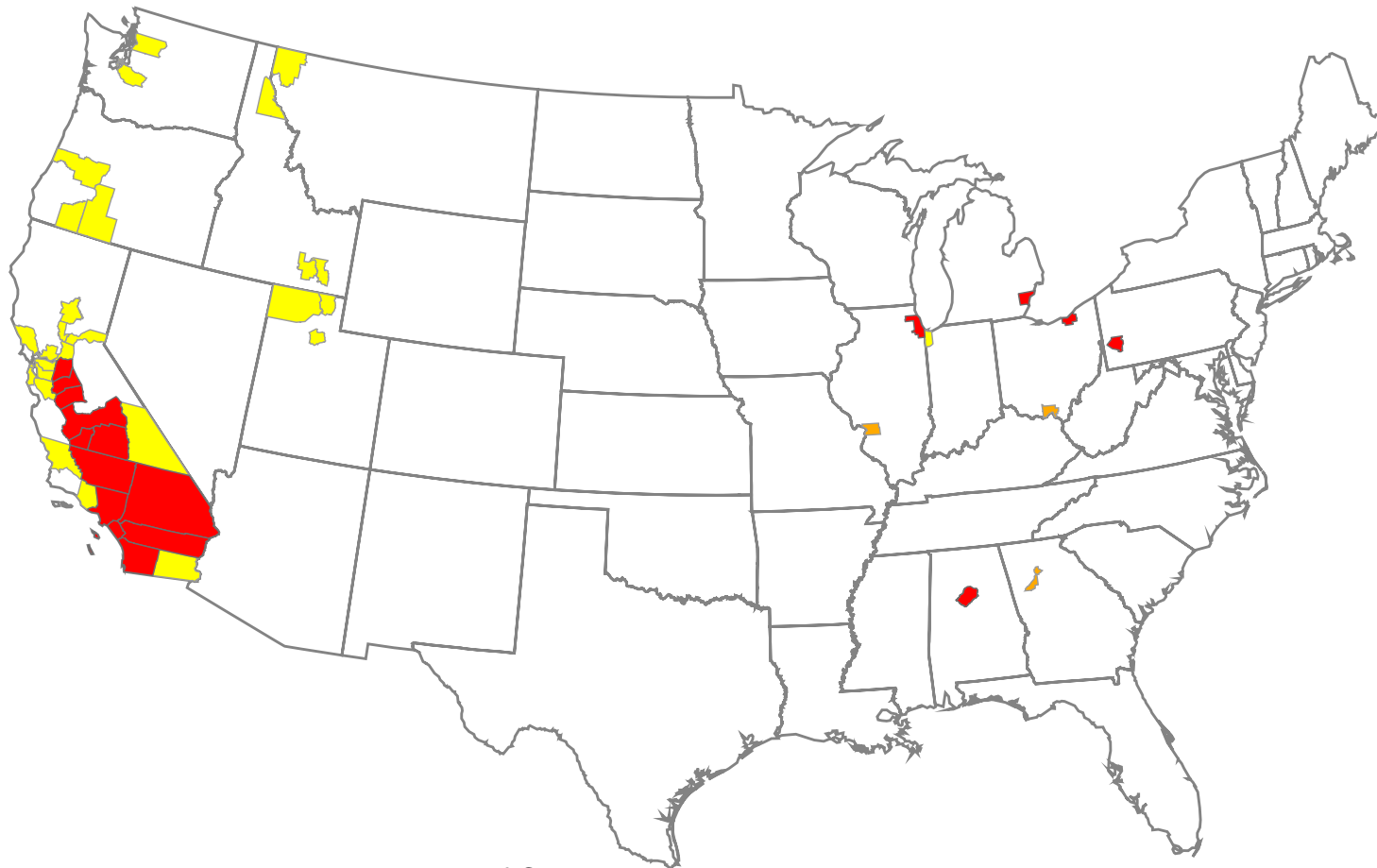
Total Counties Exceeding 52

Number of Counties

\*Projections as of September 2006. EPA models assume implementation of CAIR/CAMR/CAVR, Title IV of the Clean Air Act, the NOx SIP Call, and some existing state programs. This approach does not forecast actions states will take to meet current PM standards.

# ***Modeled Estimates for the Year 2020***

Counties Projected to Exceed the PM2.5 NAAQS in 2020  
Based on EPA Modeling\*  
Annual **15 ug/m3** and 24-Hour **35 ug/m3**



**Legend**

County with monitor exceeding:

- both annual and 24-hour PM2.5 standards      17
- ONLY the 24-hour PM2.5 standard      28
- ONLY the annual PM2.5 standard      3

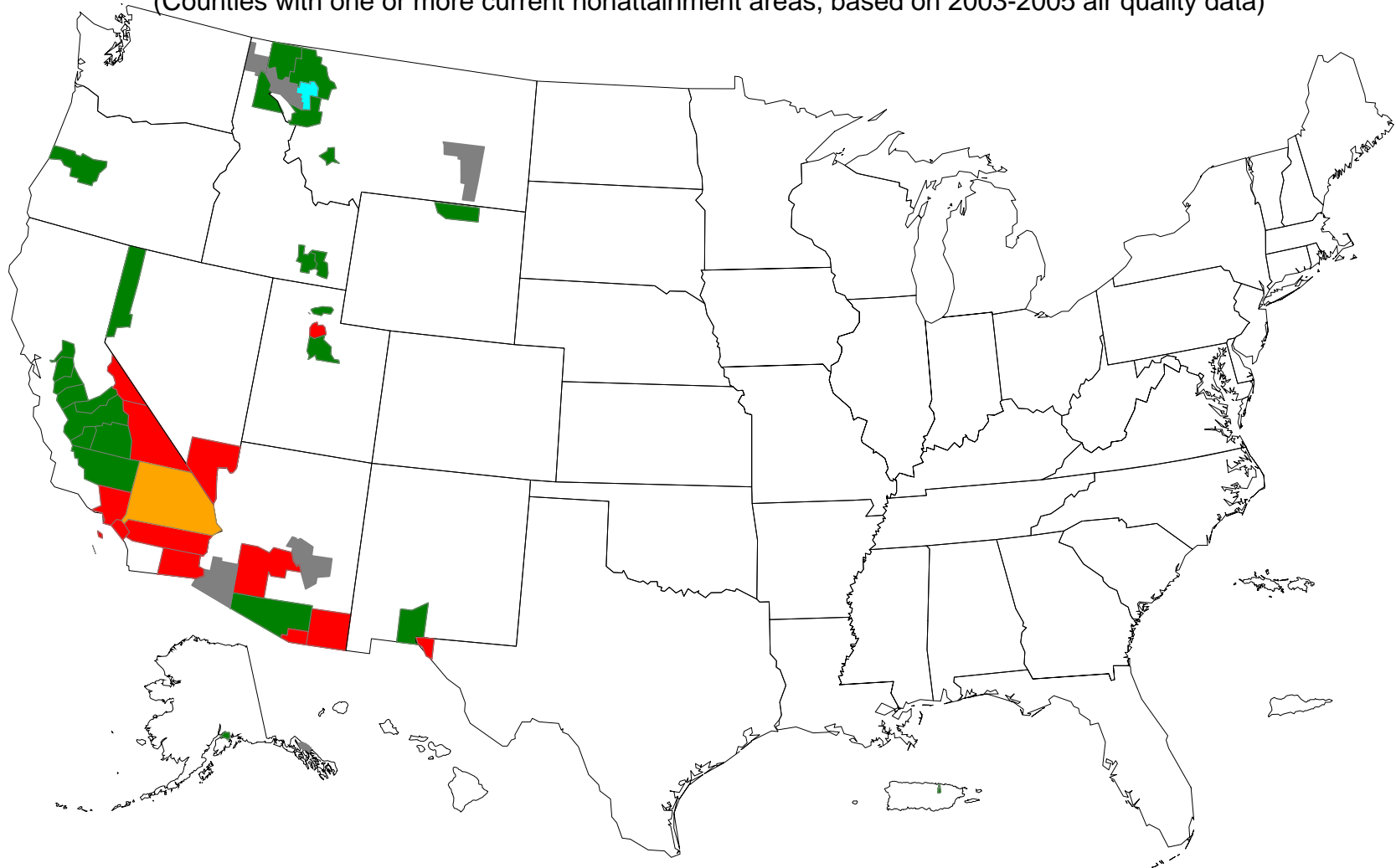
Total Counties Exceeding      48

\*Projections as of September 2006. EPA models assume implementation of CAIR/CAMR/CAVR, Title IV of the Clean Air Act, the NOx SIP Call, and some existing state programs. This approach does not forecast actions states will take to meet current PM standards.

# *PM10 Map*

# Status of Current PM<sub>10</sub> Nonattainment Counties

(Counties with one or more current nonattainment areas, based on 2003-2005 air quality data)



- Nonattainment area(s) violate NAAQS [12 counties]
- Nonattainment area(s) meet NAAQS [25 counties]
- Nonattainment area(s) are incomplete [7 counties]
- One area meets, one area incomplete [1 county]
- One area meets, one area violates [1 county]