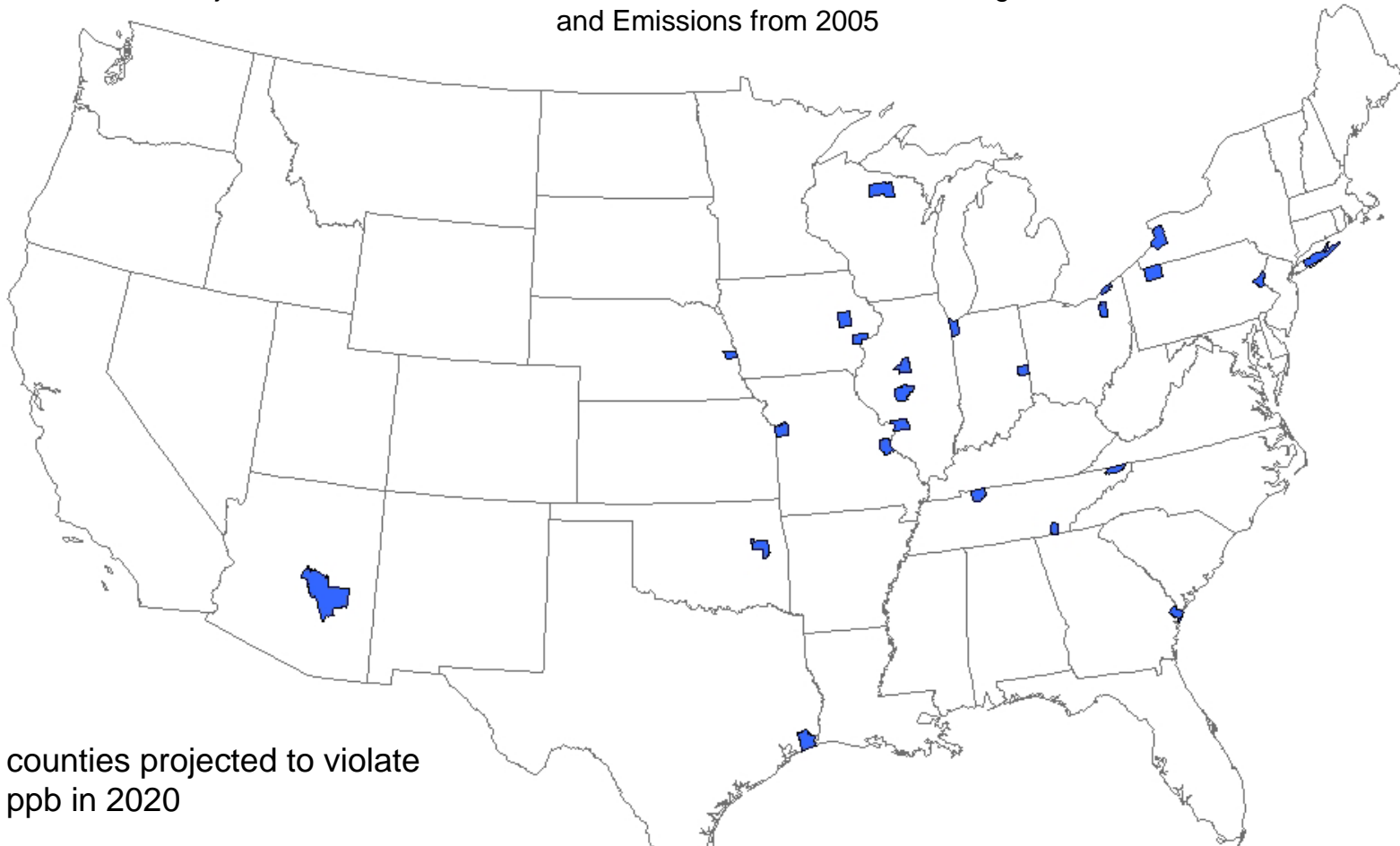


# Counties With Monitors Projected to Violate the Revised Primary 1-Hour Sulfur Dioxide (SO<sub>2</sub>) Standard in 2020

Projected 1-hour SO<sub>2</sub> Concentrations are Based on Air Monitoring Data for 2005-2007  
and Emissions from 2005



 24 counties projected to violate  
75 ppb in 2020

## Notes:

1. Modeled emissions reflect the expected reductions from federal programs including the Clean Air Interstate Rule, the Clean Air Nonroad Diesel Rule, the Light-Duty Vehicle Tier 2 Rule, the Heavy Duty Diesel Rule, Renewable Fuel Standards (RFS2), C3/SECA final rule for commercial marine vessels, final rules for Locomotive and Marine Vessels and for Small Spark-Ignition Engines, and state and local level mobile and stationary source controls.
2. The projected 1-hour SO<sub>2</sub> concentrations are based on air monitoring data from 2005 - 2007 and emissions from 2005. SO<sub>2</sub> air quality has improved since 2005 and in some cases, current air quality measurements are much lower than EPA's projections for 2020.
3. EPA did not model future violations outside the continental United States.
4. Controls applied are illustrative. States may choose to apply different control strategies for implementation.
5. Modeled design values in parts per billion are truncated to one decimal place.
6. 2020 design values are projected from 2005-2007 monitored design values for monitors that met the following criteria: 75% of the day has valid hourly values, 75% of the days in a quarter are valid, and all 4 quarters for each of the three years are valid.