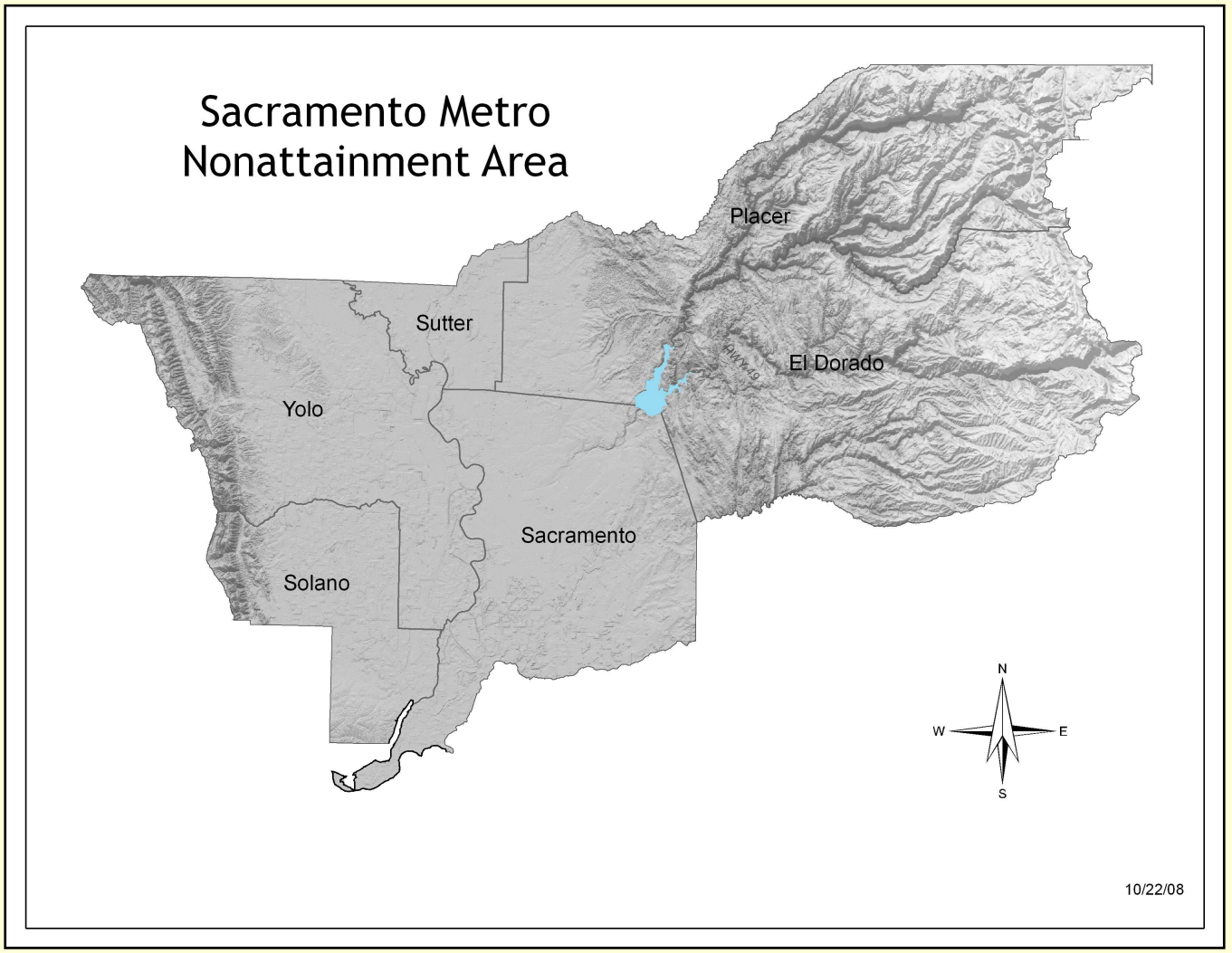
Sacramento Regional 8-Hour Ozone Attainment and Reasonable Further Progress Plan

March 26, 2009

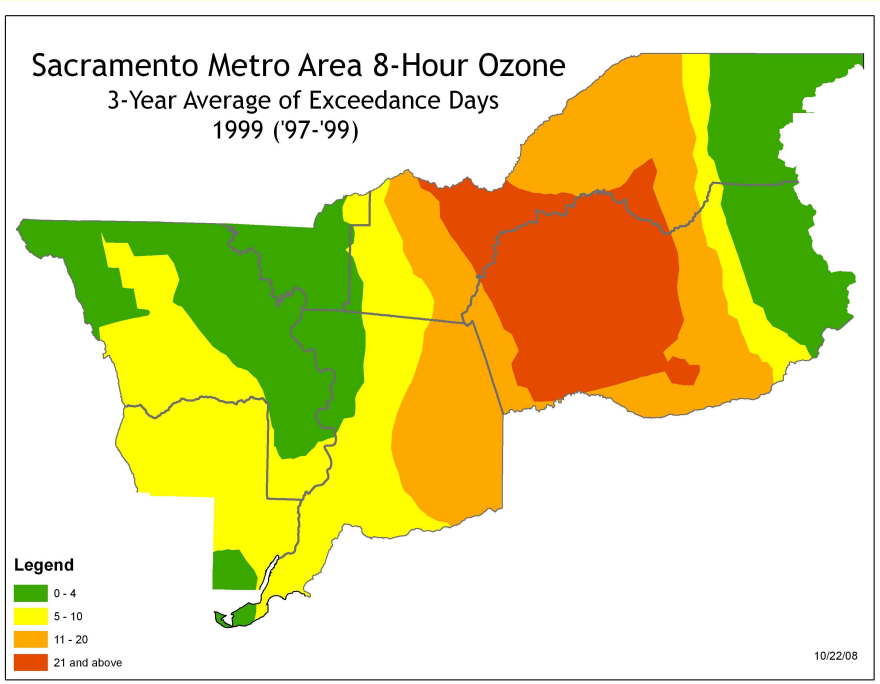
Sacramento Region Ozone SIP

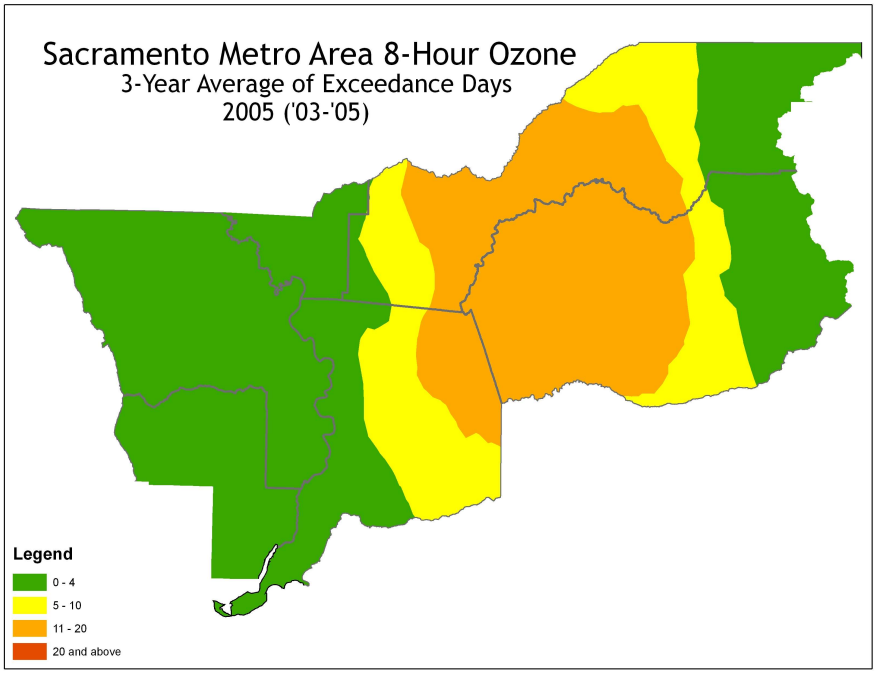
- Local SIP element adopted by air districts
- Relies on emission reductions from State Strategy adopted by ARB in 2007
- Relies on SIP commitment from State for reductions:
  - 13 tons/day NOx
  - 11 tons/day ROG

Nonattainment Area Boundaries



Change in Average Exceedance Days 1999-2005

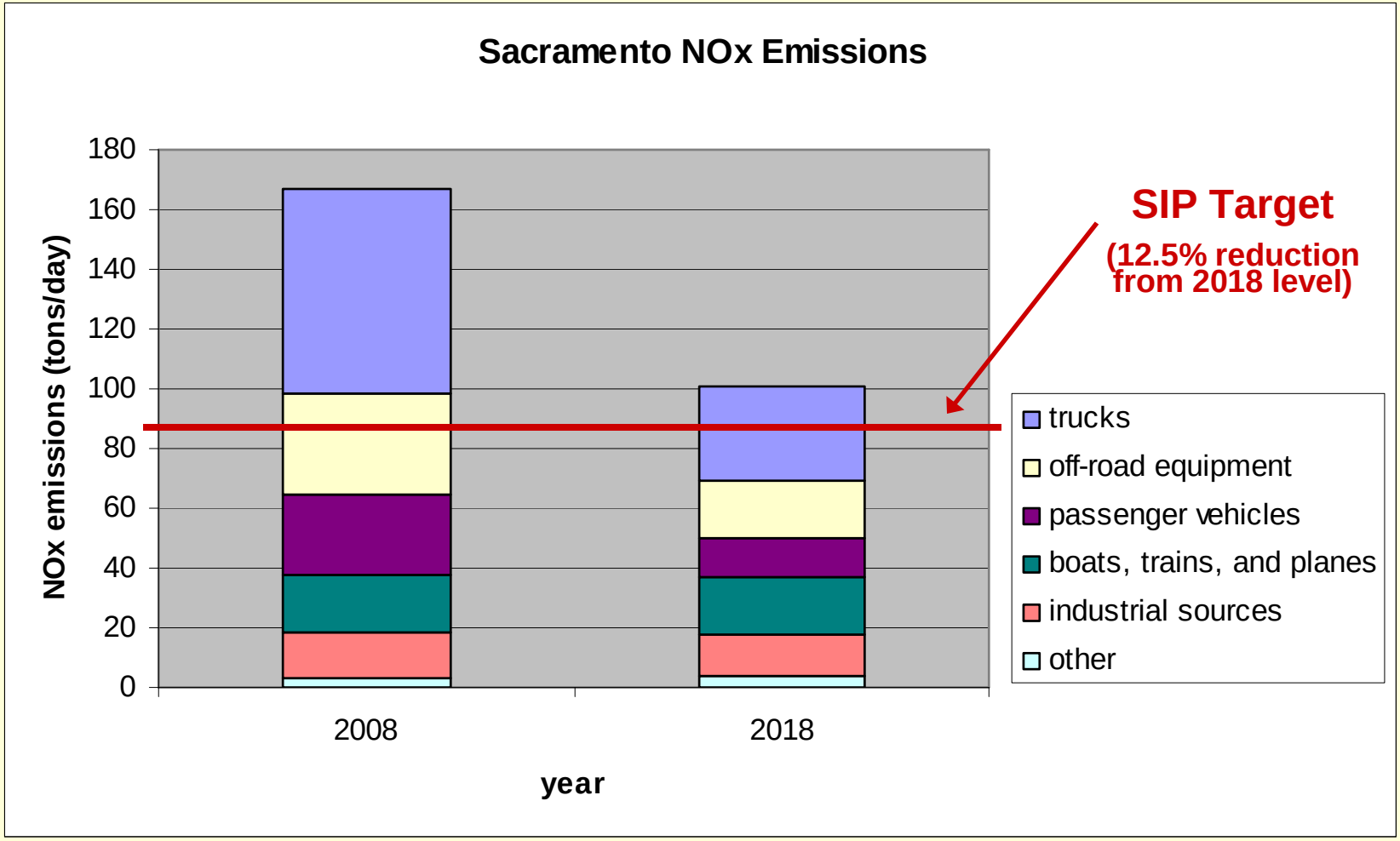




Ozone Status

- Region requested reclassification to “severe-15” in 2008
- Need to reduce peak values by 17%
- Highest 8-hour ozone values found in the eastern valley and the foothills
- Studies shows NOx control is key

NOx Reductions Required



Key NOx Reductions from State Strategy

- Truck Fleet Rule: 9.5 tons/day
- Construction Equipment Rule:1.9 tons/day
- Smog Check Improvements: 1.4 tons/day

3 tons/day of NOx Reductions from Local Measures

- Water heater and boiler rules
- Mobile source incentives
- Asphalt burner rules
- Indirect source rules
- IC engine rules

Additional ROG Reductions

- State Strategy
  - Evaporative emission standards for motorcycles and boats
  - Consumer products rules
  - Smog check improvements
- Local measures
  - Enhanced architectural coatings rules
  - Enhanced solvent rules

Sacramento's Attainment Demonstration

Remaining Emissions for Attainment (tons/day)	
NOx	**ROG**
91	117

Emission Reductions Providing for Attainment

	NOx (tons/day)	**ROG** (tons/day)
Current Emissions	196	160
Base Reductions	92	39
State Reductions	13	11
Local Reductions	3	3
Total Reductions	108	53
Resulting Emissions	88	107

Other Plan Elements

- Transportation Control Measures
  - Adopted by SACOG
- Progress milestones met
- Conformity budgets updated
- RACT SIP Analysis
  - Initial RACT SIPs submitted to U.S. EPA in 2007
  - Updates in progress

Staff Recommendations

- Adopt 2009 Sacramento Regional 8-Hour Ozone SIP
- Commit to achieve reductions

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