

MAG EIGHT-HOUR OZONE REDESIGNATION REQUEST AND MAINTENANCE PLAN

MAG Management Committee

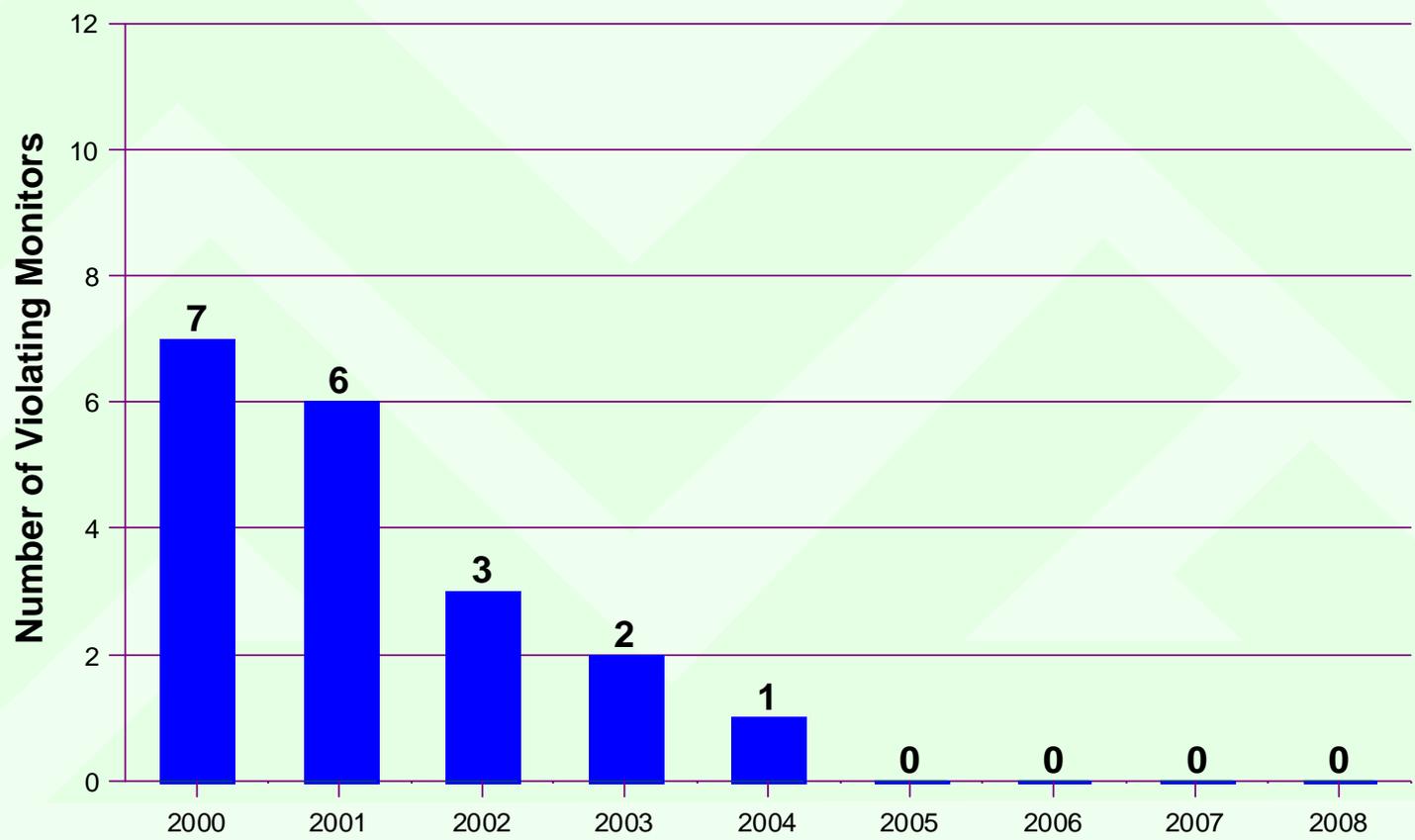
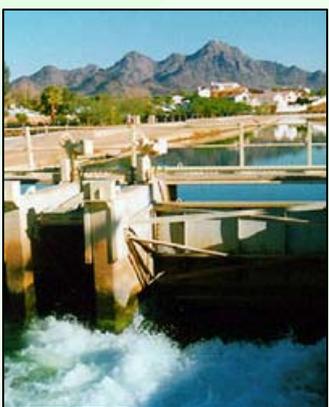
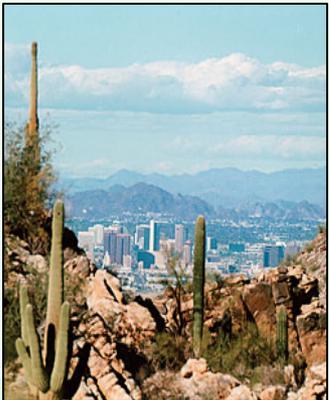
February 11, 2009





8-Hour Ozone Monitoring Data

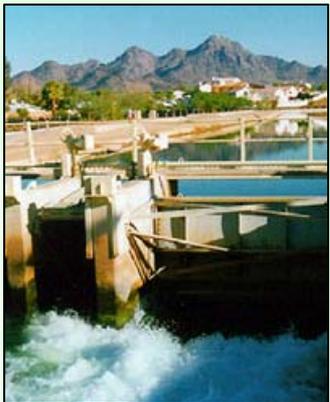
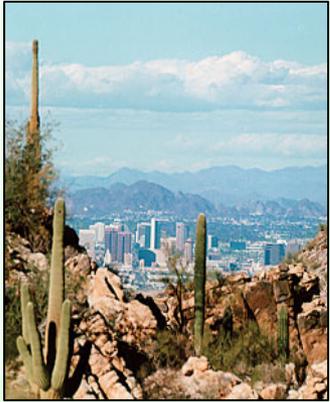
VIOLATIONS OF THE 8-HOUR OZONE STANDARD (.08 ppm) IN THE MARICOPA NONATTAINMENT AREA



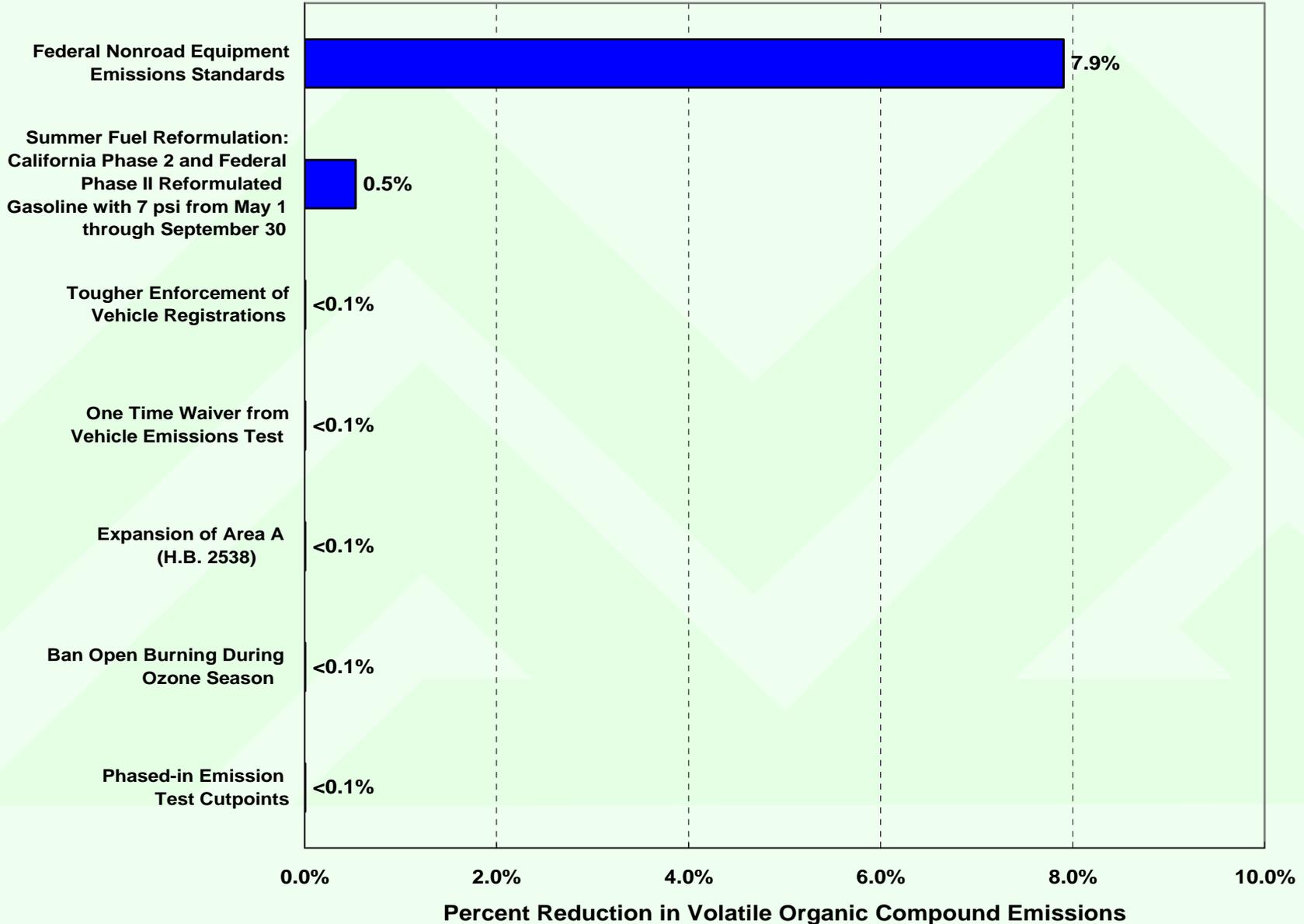
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Redesignation to Attainment Steps

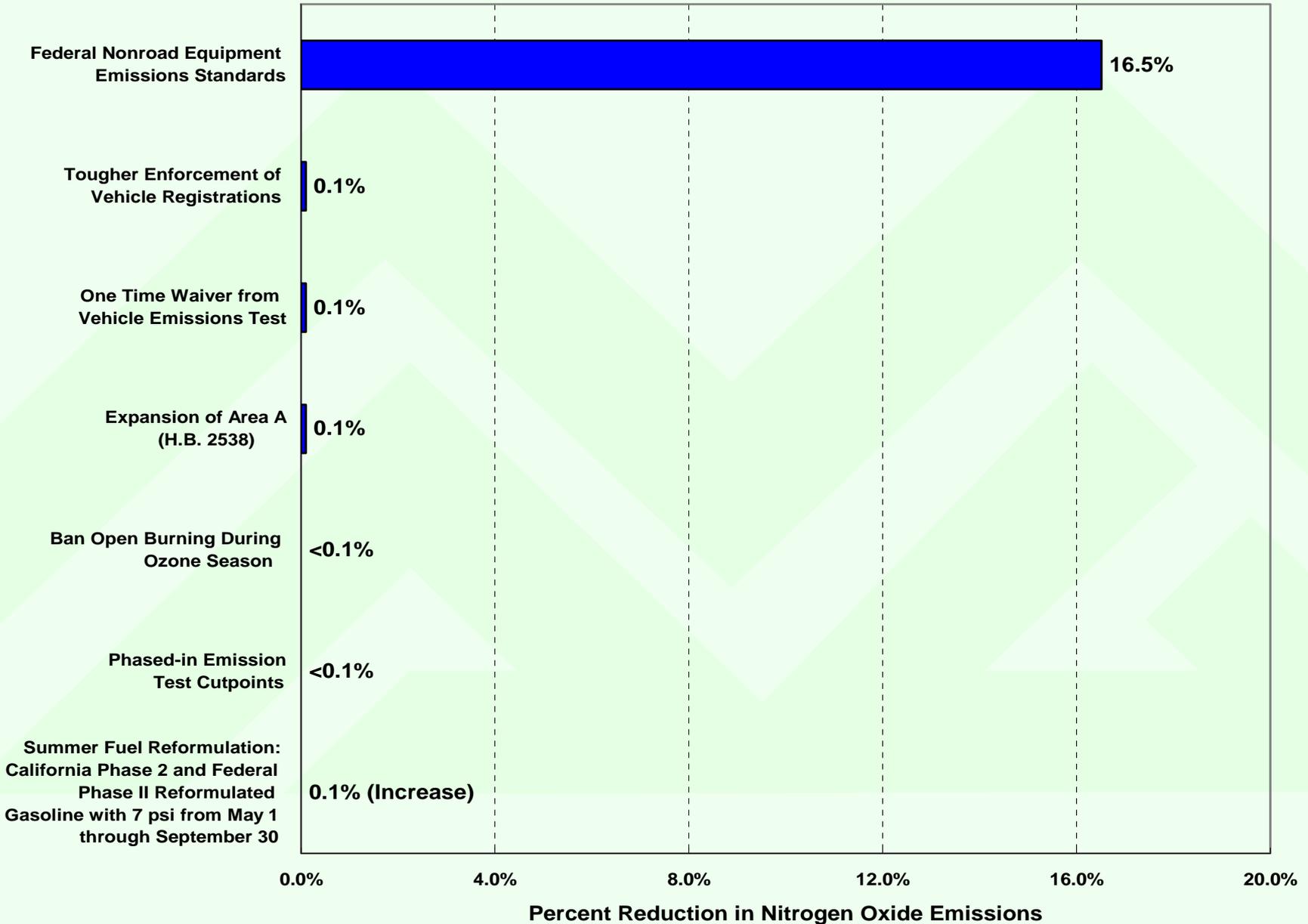
- **EPA determines standard (.08 parts per million) is attained**
- **EPA determines air quality improvement is due to permanent and enforceable reductions in emissions**
- **State meets Clean Air Act requirements for plans**
- **EPA approves Maintenance Plan**



2025 VOC Emission Reductions from Maintenance Measures



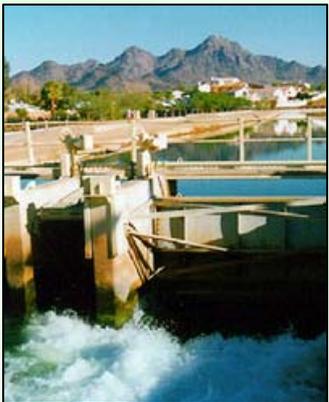
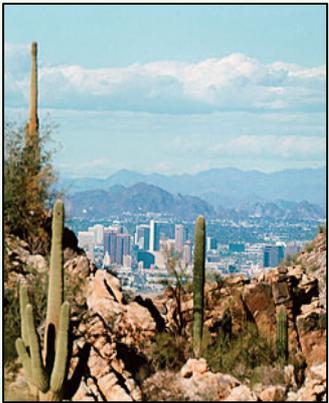
2025 NOx Emission Reductions from Maintenance Measures



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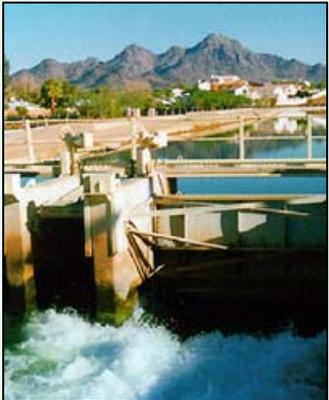
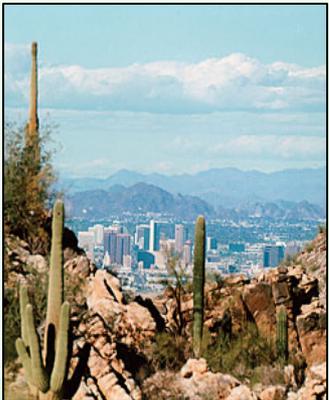
Contingency Measures

- 1. Gross Polluter Waiver Provision**
- 2. Increased Waiver Repair Limit**
- 3. Federal Heavy Duty Diesel Vehicle Emissions Standards**
- 4. Liquid Leaker Test as Part of VEI Program (S.B. 1552)**
- 5. Coordinate Traffic Signal Systems**
- 6. Develop Intelligent Transportation Systems**

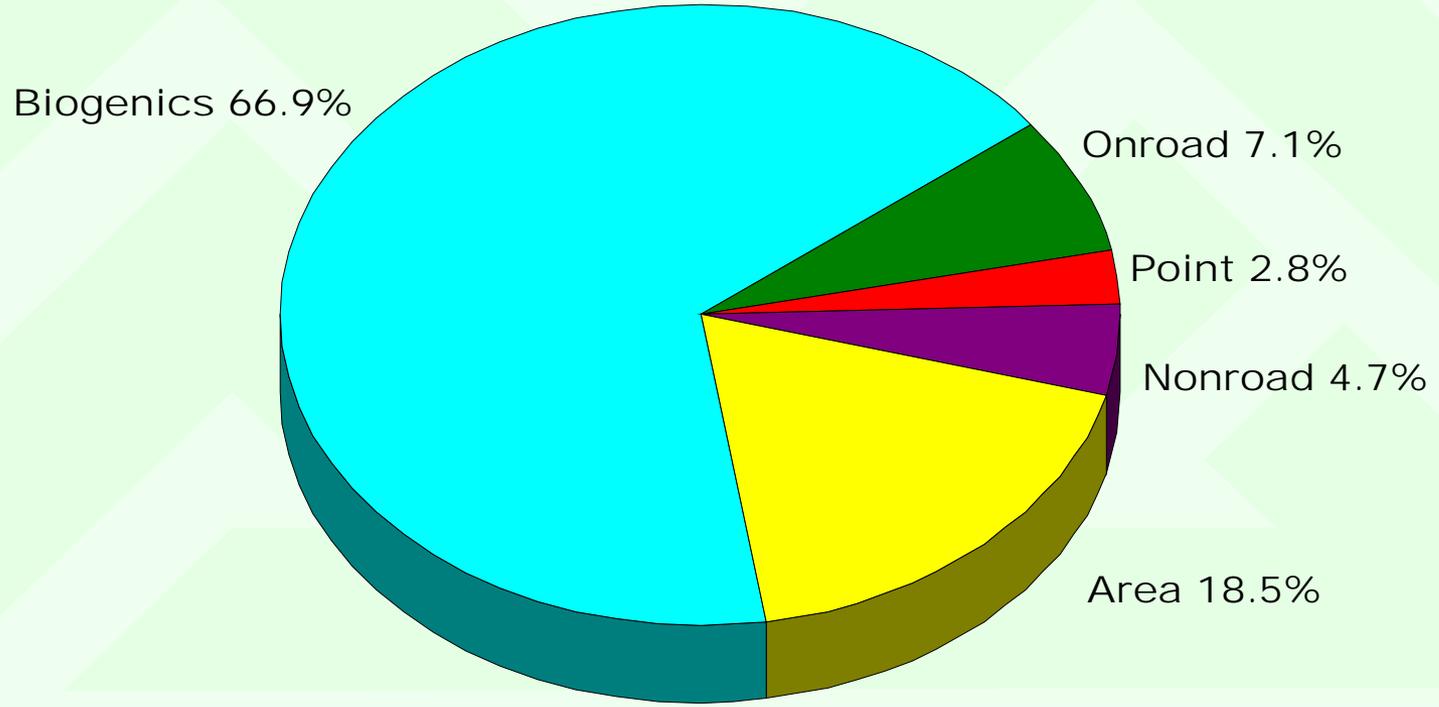




2025 VOC Emissions with Maintenance Measures



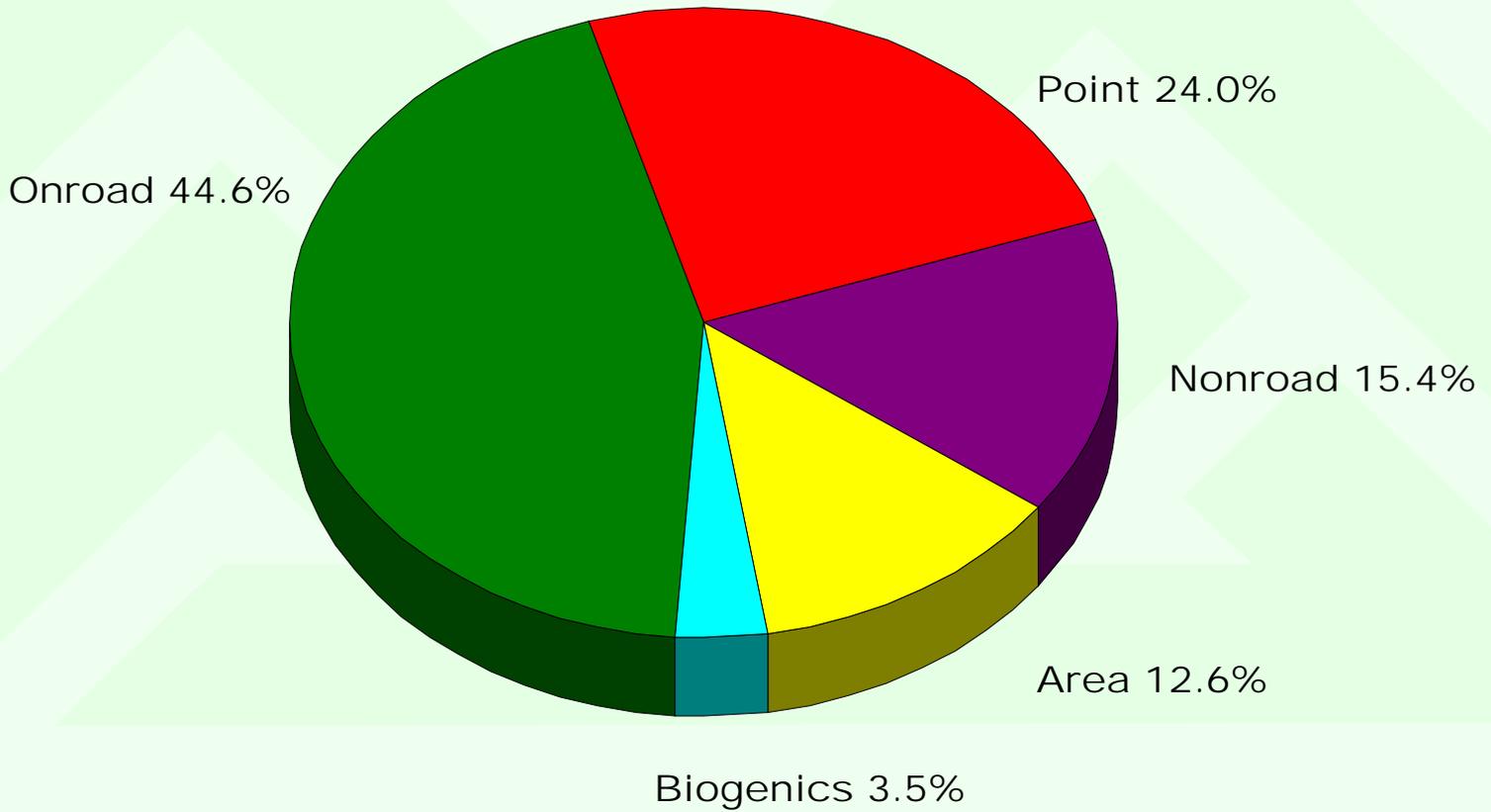
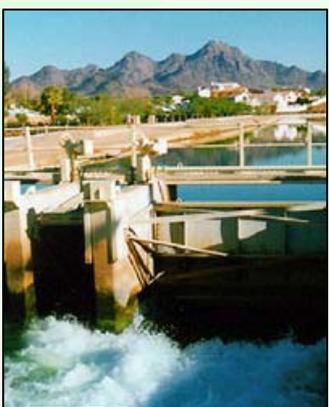
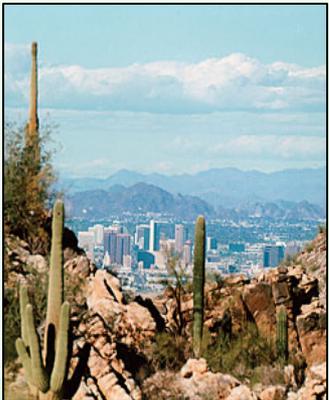
Total Volatile Organic Compound Emissions for the June 2025 Episode Day = 674.42 metric tons/day





2025 NOx Emissions with Maintenance Measures

Total Nitrogen Oxide Emissions for the June 2025 Episode Day = 246.39 metric tons/day



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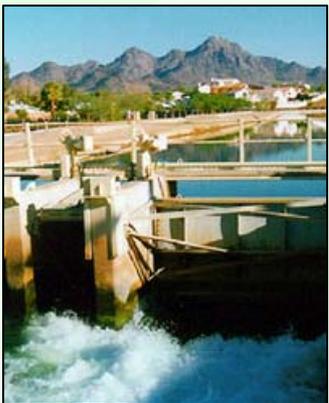
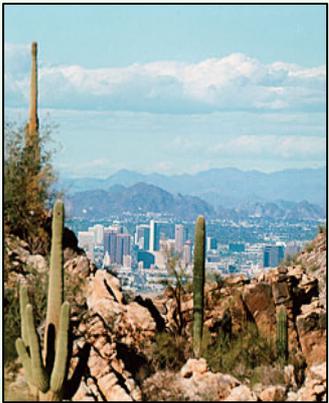
Conformity Budgets

- The Plan establishes mobile source emissions budgets for eight-hour ozone

VOC = 43.8 metric tons/day

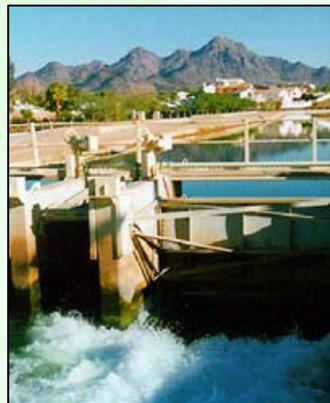
NO_x = 101.8 metric tons/day

- Will be used in conformity analyses that begin after the budgets are found to be adequate or are approved in the Plan by EPA





Eight-Hour Ozone Maintenance Plan Schedule



- **Dec 23, 2008 - Documents available**
- **Jan 22, 2009 - Public hearing**
- **Jan 29, 2009 - MAG Air Quality Technical Advisory Committee**
- **Feb 11, 2009 - MAG Management Committee**
- **Feb 25, 2009 – MAG Regional Council action**
- **Feb 27, 2009 - ADEQ submits Plan to EPA**



For more information

Lindy Bauer, MAG (602) 254-6300

www.mag.maricopa.gov

