

Update on the MAG Eight-Hour Ozone Moderate Area Plan for the Maricopa Nonattainment Area

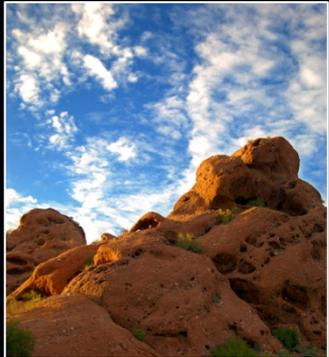


MAG Air Quality Technical Advisory Committee
January 28, 2016

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EPA Proposal to Reclassify the Maricopa Nonattainment Area to a Moderate Area

- On August 27, 2015 EPA proposed that the Maricopa 8-Hour Ozone Nonattainment Area did not attain the 2008 ozone standard (0.075 parts per million) by July 20, 2015 and would be reclassified from a Marginal Area to a Moderate Area
- To date, the proposed rule has not been finalized by EPA
- The proposal established a January 1, 2017 due date for a Moderate Area plan

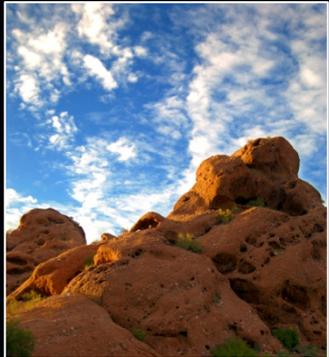




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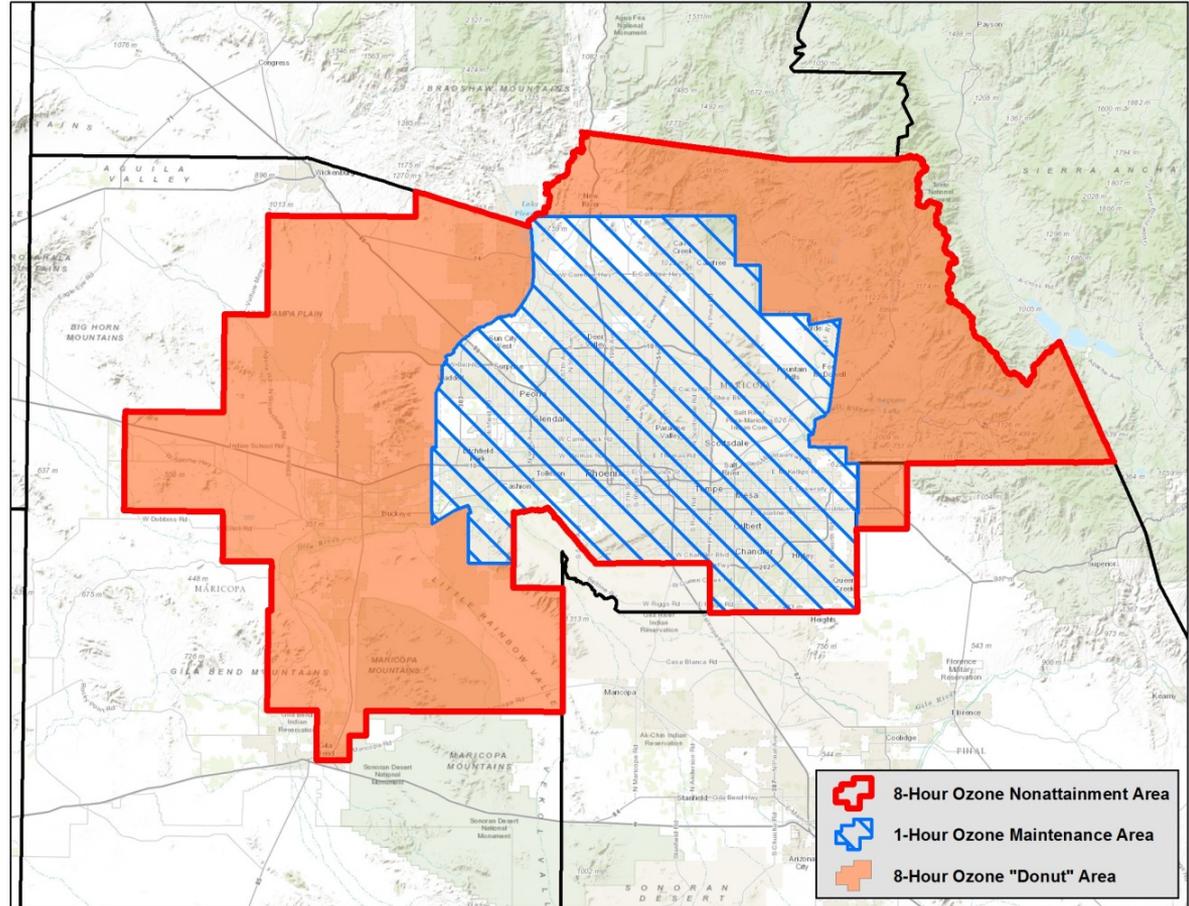
Moderate Area Requirements

- **Modeling attainment demonstration**
 - Moderate Area attainment date is July 20, 2018
 - Since the attainment date is in the middle of the summer ozone season, the plan is required to demonstrate attainment in the prior 2017 ozone season
- **Reasonable further progress (RFP)**
 - A rate of progress plan (ROP) that provides for a 15% reduction in VOC emissions over a six-year period (2012-2017) from baseline anthropogenic emissions
 - Two options are available for demonstrating the 15% ROP reduction requirement for the Maricopa nonattainment area



Rate of Progress Demonstration Options

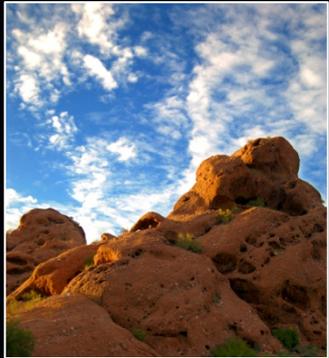
ENVIRONMENTAL PROGRAMS



Moderate Area Requirements (continued)

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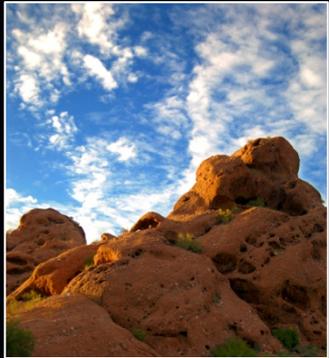
- Reasonably available control technology (RACT)
 - Maricopa County Air Quality Department is in the process of updating their rules to meet RACT for VOC and NOx sources
- Reasonably available control measures (RACM)
 - Demonstrate that all reasonably available control measures (including RACT) have been adopted to meet RFP requirements and demonstrate attainment as expeditiously as practicable
 - 93 local, state and federal ozone control measures are in place already in the Maricopa nonattainment area
 - Any new RACM measure has to be economically and technologically feasible and has to advance the attainment date or be necessary for demonstrating RFP or attainment



Moderate Area Requirements (continued)

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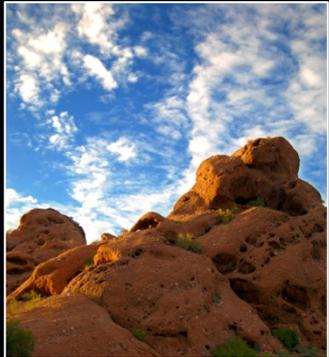
- **New source review (NSR)**
 - **The Arizona Department of Environmental Quality, the Maricopa County Air Quality Department, and the Pinal County Air Pollution Control Districts are in the process of updating their NSR rules**
- **Emissions inventories**
 - **Ozone inventories are being developed for the base year (2011) and the attainment year (2017) for use in the attainment modeling and the RFP demonstration**
 - **The 2014 periodic emissions inventory will also be available for inclusion in the plan**
- **Contingency measures**
 - **Should represent one year's worth of progress, amounting to a 3% reduction in baseline VOC and/or NOx emissions**



Moderate Area Requirements (continued)

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- **Motor Vehicle Emissions Budgets**
 - 2017 emissions of NO_x and VOC from onroad mobile sources from the attainment demonstration modeling
- **Motor vehicle inspection and maintenance programs**
 - Program already in place in the Maricopa nonattainment area
- **Emissions offset requirement for major industries (1.15 to 1)**
- **Three years of clean data required at the monitors (2015-2017) to meet the standard in 2017**
- **Prepare exceptional event demonstrations as needed for ozone exceedances caused by wildfires**





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**For more information
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