

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



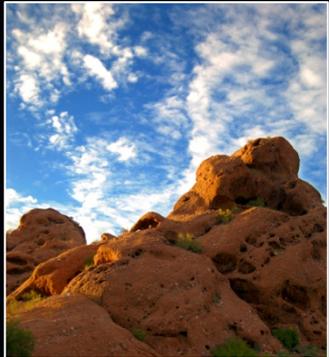
**MAG Air Quality Technical Advisory Committee**  
**August 27, 2015**



ENVIRONMENTAL  
PROGRAMS

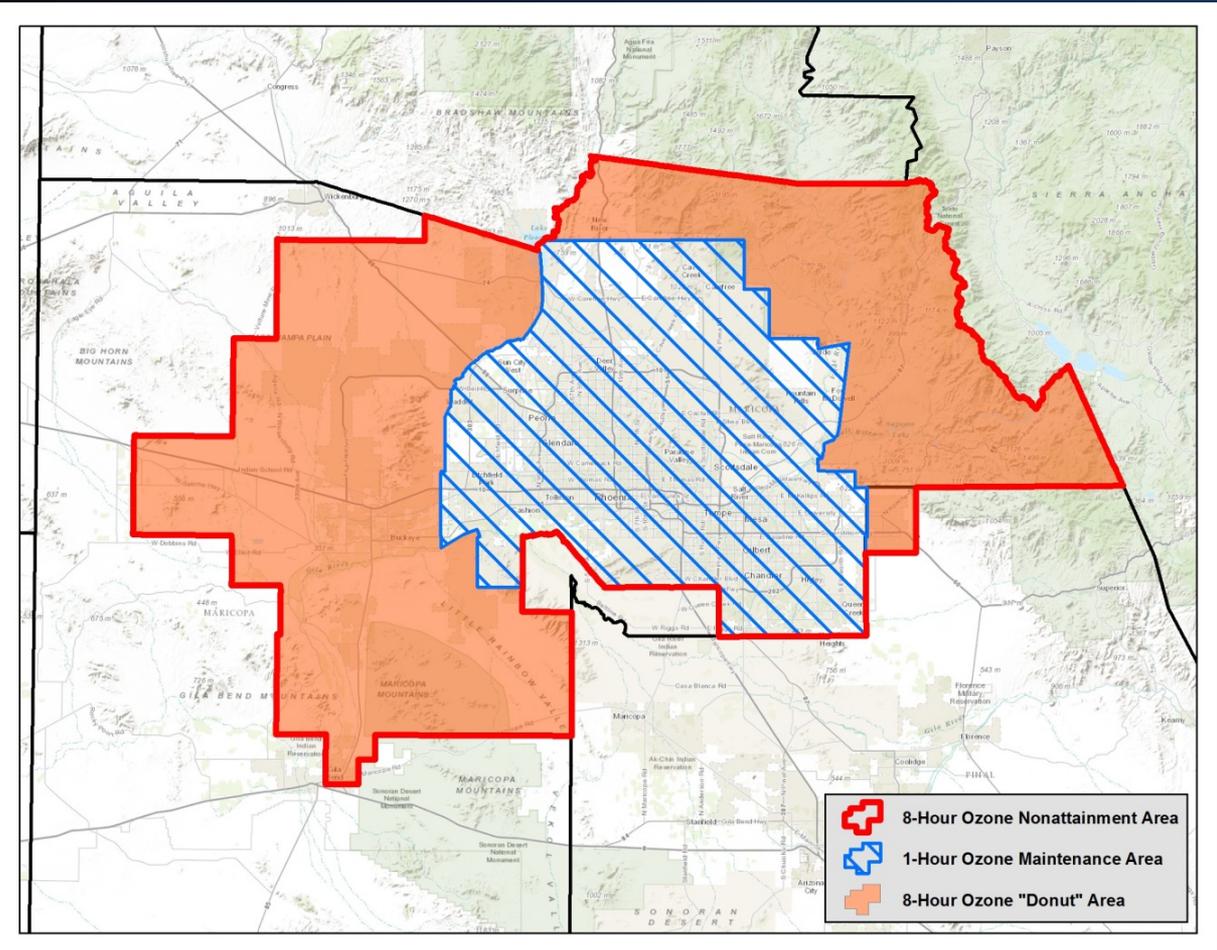
# Moderate Area Requirements

- Moderate Area Plan due January 1, 2017
- 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

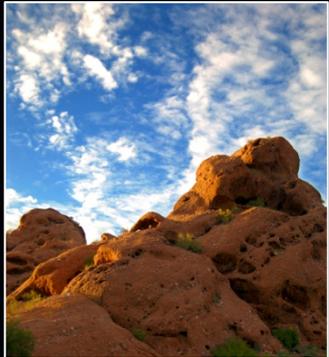
## ENVIRONMENTAL PROGRAMS



# Moderate Area Requirements (continued)

## ENVIRONMENTAL PROGRAMS

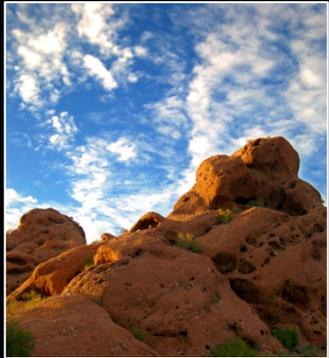
- Reasonably available control technology (RACT)
  - Maricopa County Air Quality Department is in the process of updating their rules to meet RACT for VOC and NOx sources
- Reasonably available control measures (RACM)
  - Demonstrate that all reasonably available control measures (including RACT) have been adopted to meet RFP requirements and demonstrate attainment as expeditiously as practicable
  - Over 80 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



# Moderate Area Requirements (continued)

## ENVIRONMENTAL PROGRAMS

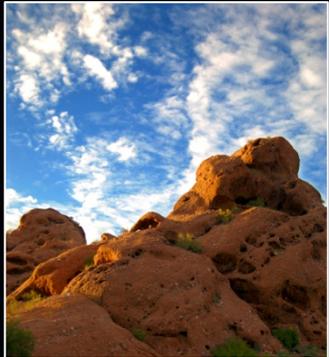
- **New source review (NSR)**
  - **The Arizona Department of Environmental Quality, the Maricopa County Air Quality Department, and the Pinal County Air Pollution Control Districts are in the process of updating their NSR rules**
- **Emissions inventories**
  - **Ozone inventories are being developed 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**



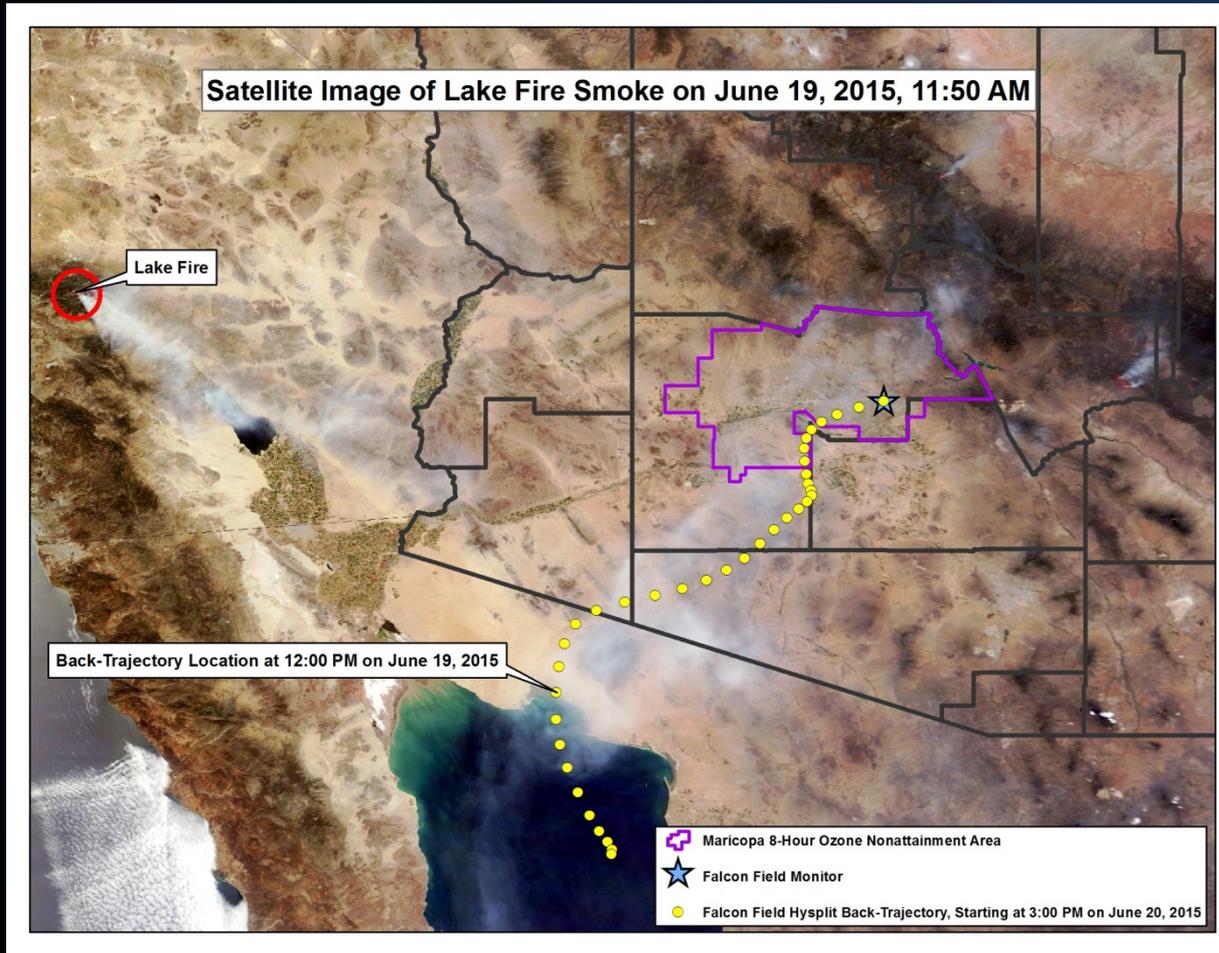
# Moderate Area Requirements (continued)

## ENVIRONMENTAL PROGRAMS

- **Motor Vehicle Emissions Budgets**
  - 2017 emissions of NO<sub>x</sub> 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**



# Possible Ozone Wildfire Exceptional Event - June 20, 2015



The logo consists of a stylized white mountain range with three peaks of varying heights, set against a dark blue background.

**MARICOPA  
ASSOCIATION of  
GOVERNMENTS**



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