

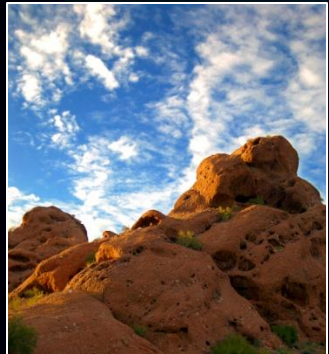
Approach to 2015 Ozone Standard RACM Requirements for the Maricopa Nonattainment Area



WESTAR Planning Committee
December 1, 2022

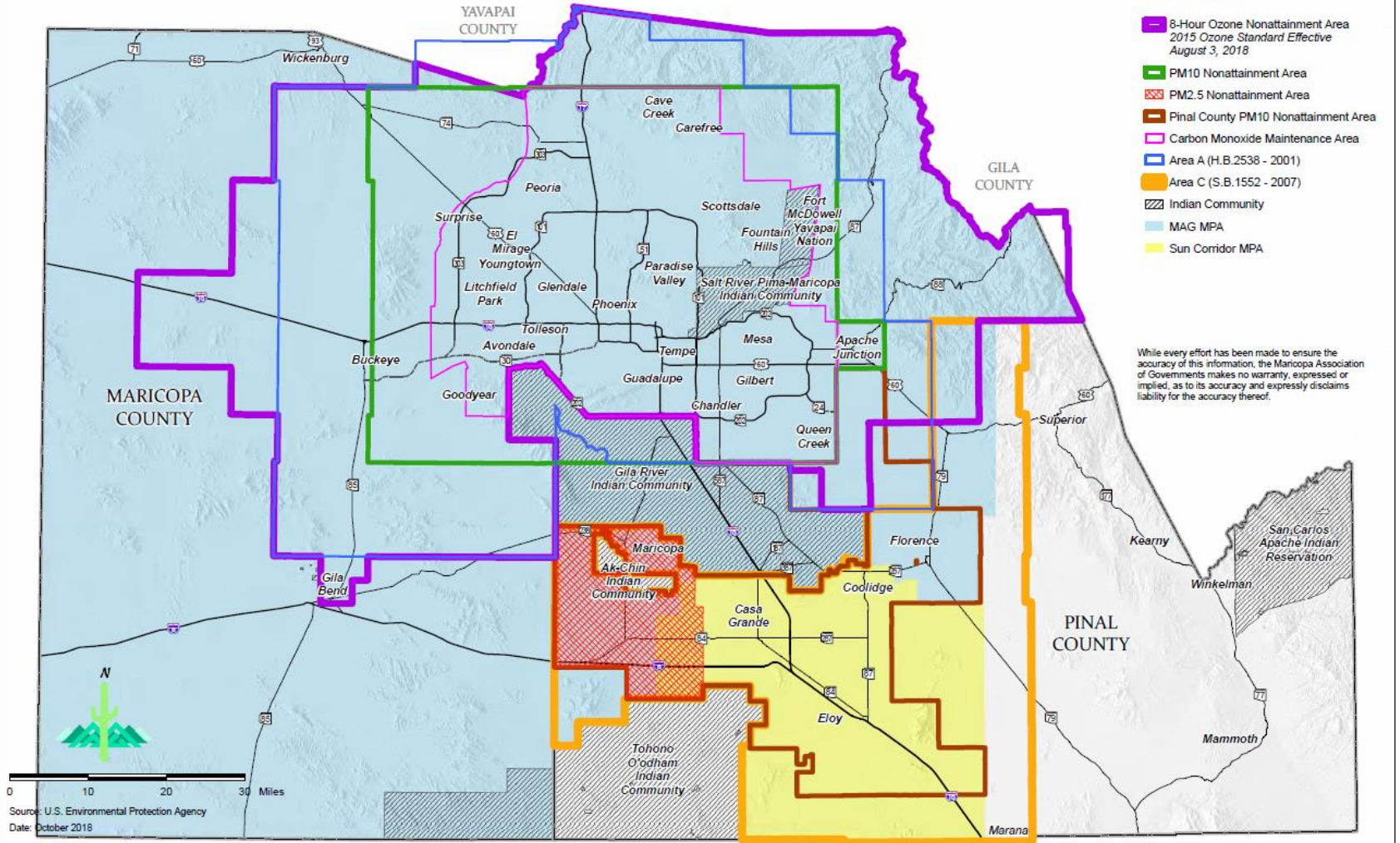
About MAG

ENVIRONMENTAL PROGRAMS



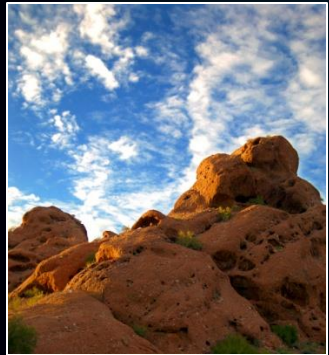
- **MAG (Maricopa Association of Governments) is an MPO (Metropolitan Planning Organization) and a COG (Council of Governments).**
- **Our members include 27 cities and towns, 3 Native nations, Maricopa County, portions of Pinal County and the Arizona Department of Transportation.**
- **MAG has been designated by the Governor of Arizona as the lead air quality planning agency for planning areas within MAG's MPO boundaries.**
- **MAG develops and submits air quality nonattainment and maintenance plans for CO, particulates and ozone.**

Air Quality Boundaries in the MAG Region



MAG Process for Adopting Control Measures

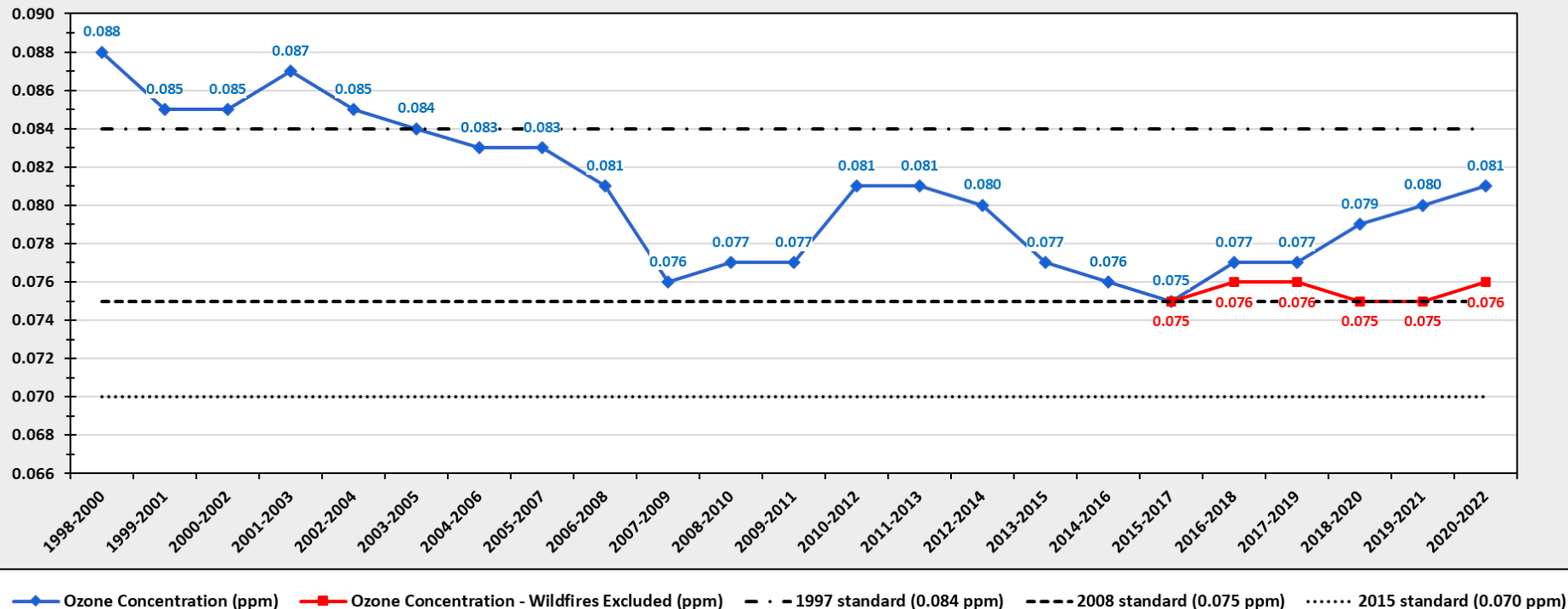
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- **MAG develops a “Suggested List of Measures” to meet nonattainment or maintenance area Clean Air Act requirements.**
- **Implementing entities then determine which measures on the Suggested List are available and feasible for implementation.**
- **Implementing entities submit commitments to MAG for measures they choose to implement, and reasoned justifications for measures they choose to not implement, for inclusion in a nonattainment or maintenance area SIP.**
- **This process is being utilized to meet RACM/attainment requirements for the 2015 ozone standard.**

Ozone Monitoring Data in the Maricopa Nonattainment Area

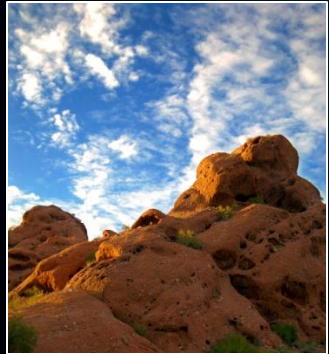
Highest 3-Year Average of the 4th Highest 8-Hour Ozone Concentration in the Maricopa Nonattainment Area - Design Value



Note: 2017 draft anthropogenic season-day emissions: NO_x = 128.91 tons; VOC = 173.80 tons
2023 draft anthropogenic season-day emissions: NO_x = 91.22 tons; VOC = 157.77 tons

RACM Challenges

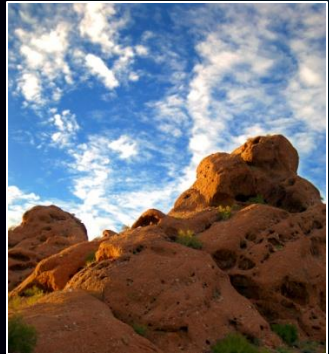
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- **Focused on identifying control measures needed to demonstrate attainment by August 3, 2024 (2023 ozone season) and meet RFP/ROP requirements.**
- **Measures would need to be adopted and in place by June 1, 2023 at the latest to use in attainment demonstration.**
- **Preliminary modeling indicates that an additional 50% reduction in NAA anthropogenic 2023 VOC/NOx emissions may be needed to demonstrate attainment in 2023.**
- **RACT is largely already up-to-date based upon analyses done for the 2008 ozone standard.**
- **The Maricopa nonattainment area is not a new nonattainment area – 90+ measures already in place.**
- **May need to adopt intrastate control measures to demonstrate attainment.**

RACM Approach

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- **MAG contracted with Ramboll US Corporation to develop a comprehensive list of new and available ozone precursor control measures.**
- **Where information is available, the comprehensive list includes estimated 2023 emission reductions and costs of implementing measures in 2023.**
- **The comprehensive list is used as a resource for MAG committees to develop the “Suggested List of Measures”.**
- **The comprehensive list is meant to inform MAG committees on the measures that are “out there” and generate discussion on the possibility of adopting similar measures; while also spurring thought on developing new, local measures not included on the list.**

Draft Comprehensive List of Measures



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- **Ramboll has completed draft spreadsheets with comprehensive lists of new and available measures for nonpoint/mobile and point sources.**
- **MAG has provided these draft spreadsheets to the MAG Air Quality Technical Advisory Committee to begin the evaluation process as soon as possible.**
- **It is anticipated a final report on the comprehensive lists will be available in February 2023.**
- **The draft spreadsheets are posted on MAG's website:**
<https://azmag.gov/Programs/Environmental/Regional-Air-Quality-Planning>



**MARICOPA
ASSOCIATION of
GOVERNMENTS**



For more information

Contact:

Matt Poppen

(602) 452-5096

mpoppen@azmag.gov