

# Workshop on Final Ramboll Report and Draft Suggested List of Measures to Reduce Ozone

March 14, 2023

# Workshop Overview

- Agenda:
  - 1:30 – 1:45pm: Workshop introduction and overview.
  - 1:45 – 2:40pm: Discussion of Ramboll report.
  - 2:40 – 2:50pm: Break.
  - 2:50 – 4:30pm: Discussion of Draft Suggested List of Measures.
- Questions and discussion welcome throughout workshop.

# Background

- On October 7, 2022, EPA finalized the reclassification of the Maricopa nonattainment area to a Moderate Area with an August 3, 2024 attainment date.
- Preliminary ozone modeling indicates additional control measures are needed to meet the August 3, 2024 attainment date.
- Approximately 50% reduction in nonattainment area anthropogenic NOx and VOC emissions needed to demonstrate attainment in 2023 ozone season.

# Ramboll US Contract

- MAG contracted with Ramboll US Consulting to identify and evaluate new and available ozone precursor control measures that could be implemented within the nonattainment area.
- New control measures needed for Clean Air Act requirements:
  - Reasonably Available Control Measures (RACM).
  - Demonstrate attainment of 2015 ozone standard.
  - Contingency measures.
- Ramboll's final report completed March 6, 2023.

# RACM Requirements Overview

- Clean Air Act Section 172(c)(1):
  - include provisions that “shall provide for the implementation of all reasonably available control measures as expeditiously as practicable...and shall provide for attainment of the national primary ambient air quality standards.”
- EPA guidance:
  - states should consider “all available measures, including those being implemented in other areas, but must adopt measures for an area only if those measures are economically and technologically feasible and will advance the attainment date or are necessary for reasonable further progress.”

# Ramboll Final Report

Available on MAG Website:

<https://azmag.gov/Programs/Environmental/Regional-Air-Quality-Planning>

**BREAK**

# **Draft Suggested List of Measures to Reduce Ozone in the Maricopa Nonattainment Area**



# Draft Suggested List of Measures

- The Draft Suggested List is an important part of meeting RACM requirements, attainment demonstration, and contingency measures.
  - Ensures RACM requirements are met when implementing entities evaluate all available measures.
  - Measures with commitments from implementing entities will be used in attainment modeling.
  - List can be used to identify contingency measures.
- The Draft Suggested List of Measures includes new and available ozone control measures evaluated by Ramboll that may be feasible for implementation in the nonattainment area.

# Draft Suggested List of Measures

- The Draft Suggested List of Measures represents a menu of available measures (not already in place) for consideration by implementing entities.
  - A planning tool for use and evaluation by implementing entities.
- The order of measures on the Draft Suggested List does not indicate a measure's importance.
  - Broad emission categories with largest emissions listed first (onroad, then nonroad, etc.).
  - Measures within each broad category roughly follows the layout of measures as presented in the Ramboll report.
  - Emission reductions and costs for each measure as estimated by Ramboll have been included when available.

# Draft Suggested List of Measures

- Measures on the Draft Suggested List are assumed to be only implemented within the nonattainment area.
  - An implementing entity may choose to implement a measure outside of the nonattainment area as well.
  - Credit for measures implemented outside the nonattainment area can be used in attainment modeling.
- Nothing prevents an implementing entity from making a commitment to implement a measure that is not included on the Draft list.
- Alternate estimates of emission reductions and costs (e.g., unit-specific estimates) associated with each measure can be included when available.

# Approval Process

- Draft Suggested List of ozone control measures may be recommended by AQTAC and MAG Management Committee and approved by MAG Regional Council.
- Each implementing entity (e.g., ADEQ, MCAQD, PCAQCD, etc.) determines which measures on an approved Suggested List are feasible for implementation.
- Implementing entities provide MAG with commitments to implement measures or reasoned justifications for non-implementation for inclusion in nonattainment area plan.

# Next Steps

- March 30, 2023 – MAG AQTAC may recommend Draft Suggested List of Measures.
- April 12, 2023 – MAG Management Committee may recommend Draft Suggested List of Measures.
- April 26, 2023 – MAG Regional Council may approve Draft Suggested List of Measures.
- Summer 2023 – Implementing entities provide commitments to implement measures, or reasoned justification for non-implementation, to MAG for inclusion in a nonattainment area state implementation plan submission to EPA.

## **For more information Contact:**

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# Ozone Monitoring Data

