

MARICOPA ASSOCIATION OF GOVERNMENTS

INFORMATION SUMMARY... for your review

Revised

DATE:

March 25, 2013

SUBJECT:

MAG 2013 Carbon Monoxide Maintenance Plan for the Maricopa County Area

SUMMARY:

The MAG 2013 Carbon Monoxide Maintenance Plan has been prepared in accordance with Section 175A(b) of the Clean Air Act. There have been no violations of the one-hour carbon monoxide standard since 1984 and no violations of the eight-hour standard since 1996. The Maricopa County nonattainment area has attained the National Ambient Air Quality Standards for carbon monoxide and was redesignated as a maintenance area by the Environmental Protection Agency (EPA) on April 8, 2005.

Section 175A(b) of the Clean Air Act requires that eight years after the redesignation of an area as an attainment area, an additional plan revision for maintaining the primary standard for ten years after the expiration of the initial ten year period be submitted to EPA. The MAG 2013 Carbon Monoxide Maintenance Plan demonstrates continued maintenance of the carbon monoxide standards through 2025 with a maximum eight-hour concentration of 4.0 parts per million against a standard of 9.0. The plan also establishes a 2025 motor vehicle emissions budget of 559.4 metric tons per day for the carbon monoxide maintenance area. A resolution to adopt the MAG 2013 Carbon Monoxide Maintenance Plan is attached.

PUBLIC INPUT:

On February 19, 2013, a public hearing was conducted on the Draft MAG 2013 Carbon Monoxide Maintenance Plan for the Maricopa County Area. The draft document was made available for public review on January 18, 2013. No public comments were received.

On March 21, 2013, comments were received from a citizen indicating that the MAG 2013 Carbon Monoxide Maintenance Plan bases its conclusions on the data collected at various air quality monitoring stations within Maricopa County. One of the largest contributors to the carbon monoxide emissions is the Imsamet aluminum recycling plant in Goodyear at the corner of Estrella Parkway and MC 85, yet there is no monitoring station within miles of this facility. The MAG 2013 Carbon Monoxide Maintenance Plan should reevaluate the location of the monitoring stations on an annual or biannual basis and add stations as required due to the growth of the county population and concern for the public's health. Before the adoption of the MAG 2013 Carbon Monoxide Maintenance Plan, provisions should be made to monitor the area adjacent to the Imsamet site. The last time an inventory of carbon monoxide emissions was taken from the plant was early 2000 when the only health risk was to the cotton fields. There is commercial retail, spring training camps, residential subdivisions, and public facilities close to the site today that were not there ten years ago. Please consider a motion at your meeting to amend the plan with a new monitoring location near the site.

PROS & CONS:

PROS: The MAG 2013 Carbon Monoxide Maintenance Plan for the Maricopa County Area demonstrates that the carbon monoxide standards will continue to be met through 2025 with the existing maintenance measures from the MAG 2003 Carbon Monoxide Maintenance Plan, which was approved

by EPA on April 8, 2005. There have been no violations of the one-hour carbon monoxide standard since 1984 and no violations of the eight-hour standard since 1996.

CONS: If the MAG 2013 Carbon Monoxide Maintenance Plan is not submitted, the region will not have met the requirements in Section 175A(b) of the Clean Air Act.

TECHNICAL & POLICY IMPLICATIONS:

TECHNICAL: The MAG 2013 Carbon Monoxide Maintenance Plan relies on a series of technical analyses to demonstrate maintenance of the carbon monoxide standards through 2025. Three different modeling analyses were performed to estimate the effects of growth and emission reduction strategies on future carbon monoxide concentrations in the Maricopa County area. Two weight of the evidence evaluations were also conducted using actual trends in air quality and meteorological data. The results of these tests indicate continued maintenance of the carbon monoxide standards through 2025 with a maximum eight-hour carbon monoxide concentration of 4.0 parts per million. The plan also establishes a 2025 motor vehicle emissions budget of 559.4 metric tons per day for the carbon monoxide maintenance area.

POLICY: The MAG 2013 Carbon Monoxide Maintenance Plan is the second maintenance plan and covers the years 2016 through 2025. No additional measures were necessary to demonstrate that the standards would continue to be met through 2025. The maximum 2025 eight-hour carbon monoxide concentration of 4.0 parts per million is less the half of the 9.0 parts per million standard. The new motor vehicle emissions budget will be useful in demonstrating conformity for the Transportation Improvement Program and Regional Transportation Plan. There have been no violations of the one-hour carbon monoxide standard since 1984 and no violations of the eight-hour standard since 1996.

ACTION NEEDED:

Adoption of the MAG 2013 Carbon Monoxide Maintenance Plan for the Maricopa County Area.

PRIOR COMMITTEE ACTIONS:

Management Committee: On March 13, 2013, the MAG Management Committee unanimously recommended adoption of the Draft MAG 2013 Carbon Monoxide Maintenance Plan for the Maricopa County Area.

MEMBERS ATTENDING

- David Cavazos, Phoenix, Chair
- Dr. Spencer Isom, El Mirage, Vice Chair
- # George Hoffman, Apache Junction
- Charlie McClendon, Avondale
- # Stephen Cleveland, Buckeye
- * Gary Neiss, Carefree
- * Usama Abujbarah, Cave Creek
- Rich Dlugas, Chandler
- Alfonso Rodriguez for Phil Dorchester, Fort McDowell Yavapai Nation
- # Ken Buchanan, Fountain Hills
- Rick Buss, Gila Bend
- * David White, Gila River Indian Community
- Patrick Banger, Gilbert
- Jenna Goad for Horatio Skeete, Glendale
- Brian Dalke, Goodyear
- * Bill Hernandez, Guadalupe
- Darryl Crossman, Litchfield Park
- Kari Kent for Christopher Brady, Mesa
- * Jim Bacon, Paradise Valley
- Carl Swenson, Peoria
- # Patrick Flynn for John Kross, Queen Creek
- * Bryan Meyers, Salt River Pima-Maricopa Indian Community
- * Dan Worth, Scottsdale
- # Chris Hillman, Surprise
- Andrew Ching for Jeff Kulaga, Tempe
- # Chris Hagen for Reyes Medrano, Tolleson
- Joshua Wright, Wickenburg
- # Lloyce Robinson, Youngtown
- John Nelson for John Halikowski, ADOT
- John Hauskins for Tom Manos, Maricopa County
- JymeSue McLaren for Steve Banta, Valley Metro/RPTA

* Those members neither present nor represented by proxy.

Participated by telephone conference call. + Participated by videoconference call.

Air Quality Technical Advisory Committee: On February 28, 2013, the MAG Air Quality Technical Advisory Committee reviewed the transcript from the public hearing. No public comments were received. The Air Quality Technical Advisory Committee then unanimously recommended adoption of the Draft MAG 2013 Carbon Monoxide Maintenance Plan for the Maricopa County Area.

MEMBERS ATTENDING

- Oddvar Tveit, Tempe, Chairman
- # Elizabeth Biggins-Ramer, Buckeye, Vice Chair
- Daniel Culotta, Avondale
- # Jim Weiss, Chandler
- # Jamie McCullough, El Mirage
- Jessica Koberna, Gilbert
- Doug Kukino, Glendale
- * Cato Esquivel, Goodyear
- # Greg Edwards for Scott Bouchie, Mesa
- # Javier Setovich for William Mattingly, Peoria
- * Philip McNeely, Phoenix
- Tim Conner, Scottsdale
- # Antonio DeLaCruz, Surprise
- # Lloyce Robinson, Youngtown
- Ramona Simpson, Queen Creek
- * American Lung Association of Arizona
- Kristin Watt, Salt River Project
- Rebecca Hudson, Southwest Gas Corporation
- Ann Carlton for Mark Hajduk, Arizona Public Service Company
- * # Gina Grey, Western States Petroleum Association
- Robert Forrest, Valley Metro/RPTA
- * Dave Berry, Arizona Motor Transport Association
- * Jeannette Fish, Maricopa County Farm Bureau

- * Steve Trussell, Arizona Rock Products Association
- * Amy Bratt, Greater Phoenix Chamber of Commerce
- # Amanda McGennis, Associated General Contractors
- * Spencer Kamps, Homebuilders Association of Central Arizona
- * Mannie Carpenter, Valley Forward
- Kai Umeda, University of Arizona Cooperative Extension
- Beverly Chenausky, Arizona Department of Transportation
- Diane Arnst, Arizona Department of Environmental Quality
- * Environmental Protection Agency
- Jo Crumbaker, Maricopa County Air Quality Department
- Michelle Wilson, Arizona Department of Weights and Measures
- Ed Stillings, Federal Highway Administration
- Mariana Garay for Judi Nelson, Arizona State University
- Stan Belone for Christopher Horan, Salt River Pima-Maricopa Indian Community

* Those members neither present nor represented by proxy.

Participated by telephone conference call. + Participated by videoconference call.

CONTACT PERSON:

Lindy Bauer, Environmental Director, (602) 254-6300.