

MINUTES OF THE
MARICOPA ASSOCIATION OF GOVERNMENTS
AIR QUALITY TECHNICAL ADVISORY COMMITTEE MEETING

Thursday, May 22, 2014
MAG Office
Phoenix, Arizona

MEMBERS ATTENDING

Philip McNeely, Phoenix, Chairman	Jeannette Fish, Maricopa County Farm Bureau
William Mattingly, Peoria, Vice Chair	Steve Trussell, Arizona Rock Products Association
* Daniel Culotta, Avondale	Claudia Whitehead, Greater Phoenix Chamber of Commerce
John Minear, Buckeye	# Amanda McGennis, Associated General Contractors
# Jim Weiss, Chandler	* Spencer Kamps, Homebuilders Association of Central Arizona
# Jamie McCullough, El Mirage	# Mannie Carpenter, Valley Forward
Kristin Myers for Jessica Koberna, Gilbert	Kai Umeda, University of Arizona Cooperative Extension
Megan Sheldon, Glendale	Joonwon Joo for Beverly Chenausky, Arizona Department of Transportation
* Cato Esquivel, Goodyear	Diane Arnst, Arizona Department of Environmental Quality
# Rudolfo Lopez for Kazi Haque, Maricopa	* Environmental Protection Agency
# Greg Edwards for Scott Bouchie, Mesa	Beverly Chenausky for Thomas Ekren, Maricopa County Air Quality Department
Tim Conner, Scottsdale	# Scott DiBiase, Pinal County
# Antonio DeLaCruz, Surprise	Michelle Wilson, Arizona Department of Weights and Measures
Oddvar Tveit, Tempe	# Ed Stillings, Federal Highway Administration
* Youngtown	Jenny Moyers for Judi Nelson, Arizona State University
Ramona Simpson, Queen Creek	Stan Belone, Salt River Pima-Maricopa Indian Community
# Walter Bouchard, American Lung Association of Arizona	
Kristin Watt, Salt River Project	
Rebecca Hudson, Southwest Gas Corporation	
* Ann Carlton, Arizona Public Service Company	
* Gina Grey, Western States Petroleum Association	
Robert Forrest, Valley Metro/RPTA	
* Dave Berry, Arizona Motor Transport Association	

*Members neither present nor represented by proxy.

#Participated via telephone conference call.

+Participated via video conference call.

OTHERS PRESENT

Lindy Bauer, Maricopa Association of Governments	Lee Jimenez, Maricopa County Department of Transportation
Matt Poppen, Maricopa Association of Governments	Sam Brown, City of Scottsdale
Julie Hoffman, Maricopa Association of Governments	Joe Gibbs, City of Phoenix
Kara Johnson, Maricopa Association of Governments	Susan Avans, City of Buckeye
Randy Sedlacek, Maricopa Association of Governments	Dawn Coomer, Valley Metro
Cathy Arthur, Maricopa Association of Governments	Laurie Kattreh, Maricopa County Department of Transportation
Taejoo Shin, Maricopa Association of Governments	
Patrick Shaw, Maricopa Association of Governments	

1. Call to Order

A meeting of the Maricopa Association of Governments (MAG) Air Quality Technical Advisory Committee (AQTAC) was conducted on May 22, 2014. Philip McNeely, City of Phoenix, Chair, called the meeting to order at approximately 1:30 p.m. Greg Edwards, City of Mesa; Jim Weiss, City of Chandler; Mannie Carpenter, Valley Forward; Amanda McGennis, Associated General Contractors; Jamie McCullough, City of El Mirage; Walter Bouchard, American Lung Association of Arizona; Antonio DeLaCruz, City of Surprise; Scott DiBiase, Pinal County; Ed Stillings, Federal Highway Administration; and Rodolfo Lopez, City of Maricopa, attended the meeting via telephone conference call.

Chair McNeely indicated that copies of the handouts for the meeting are available. He noted for members attending through audio conference, the presentations for the meeting will be posted on the MAG website under Resources for the Committee agenda, whenever possible. If it is not possible to post them before the meeting, they will be posted after the meeting.

2. Call to the Audience

Chair McNeely stated that according to the MAG public comment process, members of the audience who wish to speak are requested to fill out comment cards, which are available on the tables adjacent to the doorways inside the meeting room. Citizens are asked not to exceed a three minute time period for their comments. Public comment is provided at the beginning of the meeting for nonagenda items that fall under the jurisdiction of MAG and nonaction agenda items. Chair McNeely noted that no public comment cards had been received.

3. Approval of the March 27, 2014 Meeting Minutes

The Committee reviewed the minutes from the March 27, 2014 meeting. Amanda McGennis, Associated General Contractors, moved and John Minear, City of Buckeye, seconded, and the motion to approve the March 27, 2014 meeting minutes, carried unanimously.

4. Draft MAG 2014 Eight-Hour Ozone Plan - Submittal of Marginal Area Requirements for the Maricopa Nonattainment Area

Matt Poppen, Maricopa Association of Governments, presented the Draft MAG 2014 Eight-Hour Ozone Plan - Submittal of Marginal Area Requirements for the Maricopa Nonattainment Area. He stated that on May 21, 2012, the Environmental Protection Agency (EPA) designated the Maricopa nonattainment area as a Marginal Area for the 2008 eight-hour ozone standard of 0.075 ppm. On June 6, 2013, EPA published a proposed rule on the implementation of the 2008 National Ambient Air Quality Standards for Ozone which addresses the State Implementation Plan requirements for the standard. Mr. Poppen noted that as a Marginal Area, the Maricopa nonattainment area will have a December 31, 2015 attainment date. He indicated that EPA assumes that Marginal Areas will be in attainment of the standard within three years of designation without any additional control measures. Marginal Areas are not required to submit an attainment demonstration, reasonably available control technologies and measures, reasonable further progress demonstration, and contingency measures.

Mr. Poppen discussed the Marginal Area requirements. He stated that many of the requirements have already been addressed in prior air quality plans. The Marginal Area requirements addressed in this

plan include: an emissions statement rule; a baseline emissions inventory - the 2011 Periodic Emissions Inventory for Ozone Precursors prepared by Maricopa County; a periodic emissions inventory, no later than every three years until attainment of the standard - the next inventory to be completed is for year 2014; a pre-1990 reasonably available control technology fix-up; a nonattainment area preconstruction permit program; and new source review rules. Additionally, pre-1990 corrections are required for previously required vehicle inspection and maintenance programs. Mr. Poppen noted that the Arizona Department of Environmental Quality (ADEQ) currently administers an enhanced vehicle inspection and maintenance program. He indicated that the draft plan also meets transportation conformity requirements, as well as, offset requirements for major sources of volatile organic compounds.

Mr. Poppen stated that if the region fails to attain the standard by December 31, 2015, the region may be bumped into the Moderate Area category with additional requirements to meet. Upon application by the State, EPA may extend the attainment date for one additional year if: the State has complied with all applicable requirements and commitments pertaining to the area in the applicable implementation plan, and no more than one exceedance of the ozone standard has occurred in the area preceding the extension year. Also, no more than two one-year extensions of the attainment date may be issued. Mr. Poppen indicated that EPA proposed a Marginal Area Plan due date of July 20, 2014.

Mr. Poppen presented the schedule for the Draft MAG 2014 Eight-Hour Ozone Plan. He noted that on April 14, 2014 the draft plan became available for public review. An air quality workshop was held on April 22, 2014. The Draft MAG 2014 Eight-Hour Ozone Plan - Submittal of Marginal Area Requirements for the Maricopa Nonattainment Area public hearing was held on May 15, 2014. Mr. Poppen indicated that the MAG Air Quality Technical Advisory Committee may make a recommendation to the MAG Management Committee on May 22, 2014. The MAG Management Committee may make a recommendation to the MAG Regional Council on June 11, 2014. On June 25, 2014 the MAG Regional Council may adopt the MAG 2014 Eight-Hour Ozone Plan - Submittal of Marginal Area Requirements for the Maricopa Nonattainment Area. MAG would then submit the Plan to ADEQ and EPA by June 27, 2014.

Mr. Poppen noted that the official transcript of the Draft MAG 2014 Eight-Hour Ozone Plan public hearing, held on May 15, 2014, has been provided to the Committee. He stated that no verbal comments were received at the public hearing. Mr. Poppen indicated that written comments were received by the Arizona Department of Environmental Quality during the public comment period. A copy of the response to comments was also provided to the Committee.

Mr. Poppen reviewed the response to comments. The first comment stated that ADEQ should comment that this attached Appendix that contains the actual legislative authorization of VEI through January 1, 2017 and the statute where it is codified should be included in MAG's Appendix A, Exhibit 4 along with ADEQ's 2009 submittal letter. All MAG has in its appendix right now is ADEQ's letter referencing these items. ADEQ needs to forward the attachment to MAG. Mr. Poppen stated that the response to this comment indicated that the additional documentation provided by ADEQ has been included in Appendix A, Exhibit 4. The second comment stated that MAG could add a sentence at the end of paragraph two on the first page: "On March 26, 2014 [sic], EPA published in the Federal Register the Notice of Proposed Rulemaking to...". The response stated that the following sentence has been added to the end of the paragraph referenced by ADEQ, "The notice was published in the Federal Register on March 26, 2014."

Chair McNeely called for a motion to recommend adoption of the Draft MAG 2014 Eight-Hour Ozone Plan - Submittal of Marginal Area Requirements for the Maricopa Nonattainment Area. William Mattingly, City of Peoria, moved and Oddvar Tveit, City of Tempe seconded, and the motion to recommend adoption the of Draft MAG 2014 Eight-Hour Ozone Plan carried unanimously.

5. Update on the MAG 2012 Five Percent Plan for PM-10 and Exceptional Events

Lindy Bauer, Maricopa Association of Governments, provided an update on the MAG 2012 Five Percent Plan for PM-10 and exceptional events. She stated that on February 6, 2014, EPA proposed approval of the MAG 2012 Five Percent Plan for PM-10. EPA indicated in the proposal that it intended to finalize approval and take action on the Plan by June 2, 2014. Ms. Bauer mentioned that an exceptional event day occurred on May 11, 2014 due to a regional dust storm. She stated that 12 monitors exceeded due to the regional dust storm. The monitor information was included in the Committee agenda packet. Ms. Bauer noted that exceptional event documentation has been submitted to EPA for concurrence on the six exceptional event days that occurred in 2013. EPA has not yet concurred with the submitted documentation. MAG staff is preparing the documentation for the regional dust storm exceptional event on May 11, 2014.

Ms. Bauer discussed the EPA Exceptional Events Rule (EER). EPA has indicated that the rule is flawed and has released guidance on the rule. EPA intended to release rule revisions in April 2014 and finalize the revisions in April 2015. Rule revisions have not been proposed. Ms. Bauer stated that EPA has indicated that the organization lacks the resources to propose rule revisions for the EER. She noted that a page from the Clean Air Report was included in the agenda materials that cites EPA resource issues. Ms. Bauer added that MAG special legal counsel has reported that EPA is approximately a year off schedule due to resource issues. EPA would release EER revisions in mid 2015 with final revisions taking place in mid 2016. Ms. Bauer discussed that in the interim, EPA may release EER guidance for ozone and wildfires.

6. Update on the Regional Rideshare and Telework Program

Dawn Coomer, Valley Metro, provided a presentation on the Regional Rideshare and Telework Program. She stated that she is the Transportation Demand Management Manager at Valley Metro. Ms. Coomer stated that the Valley Metro programs promote drive alone transportation alternatives. Rideshare includes carpooling, vanpooling, and public transit that includes bus and rail. Ms. Coomer noted that other alternatives are also promoted such as bicycling, walking, teleworking, and compressed work schedule options. The programs aim to reduce drive alone commute trips as a way to manage congestion, reduce pollutant emissions, conserve energy, and improve health and physical fitness.

Ms. Coomer discussed travel modes. She stated that every April, Valley Metro conducts an annual phone poll to determine commute behavior, awareness of Valley Metro programs, travel options, and to track effectiveness of the programs. Approximately 86 percent of employees and driving-aged students reported drive alone car and motorcycle trips. Ms. Coomer reported that 17 percent of people polled telework at least one or more days of the week. She indicated that carpool and vanpool also make up 17 percent of travel modes. Ms. Coomer noted that 11 percent of people polled report a compressed work schedule, that includes working longer hours over few days. The other travel modes reported include: five percent bus; four percent bike; four percent walk; and three percent light rail

usage. Ms. Coomer commented that the goal of the various programs is to encourage the 86 percent who report drive alone trips to try alternative travel modes listed in the other categories.

Ms. Coomer stated that Valley Metro programs fall into four main areas. The areas include: training and assistance to employers on Commute Solutions, including employers in the Maricopa County Trip Reduction Program; commuter outreach and services; education for bicyclists and pedestrians on safety; and alternative travel modes education and encouragement. Ms. Coomer stated that the programs are funded by the State of Arizona, Maricopa County, and MAG. She stated that all materials include a funding line that recognizes the financial contributions made by partners. Ms. Coomer stated that ShareTheRide.com and 602-262-RIDE is the call-to-action for the programs encouraging the use of alternative transportation modes and to also visit the webpage to learn more about travel options.

Ms. Coomer reviewed commuter outreach and services. She stated that Valley Metro provides assistance to employers to develop plans and programs free of charge, regardless if they participate in the Trip Reduction Program. Valley Metro also manages a free online trip matching tool called ShareTheRide.com, a retail partner program, as well as, a vanpool program. Ms. Coomer commented that the retail partner program allows transit users to purchase fares off-board and save money. She stated that there was approximately 50 off-board fare locations in 2009 with more than 800 current locations; 71 locations have been added this fiscal year alone. Ms. Coomer indicated that off-board fare outlets are a significant resource for transit customers; 89 percent of transit fare are sold at retail outlets. Valley Metro provides customer service and support for the program while the City of Phoenix manages the transit fare process for the region.

Ms. Coomer discussed the vanpool program. She stated that currently 385 vans make up the vanpool program. Approximately a quarter of the vanpool fleet have bike racks. Customers can now ride their bicycles to park-and-ride locations to meet the vanpool or bring their bicycles to work for recreation or exercise. Ms. Coomer indicated that the vanpool program has a 100 percent fare box recovery. She explained that public transit typically operates around 25 percent fare box recovery. Ms. Coomer stated that the vanpool program pays for itself, which is very unique for public programs. She reported that the vanpool program saves approximately 4.5 million single occupant vehicle miles of travel every month.

Ms. Coomer reported on the Valley Metro program, ShareTheRide. She noted that the program is an online ride matching and commute tracking program for residents and/or employees in Maricopa County. Commuters are provided matches for vanpooling, carpooling, transit, and bicycle options. Ms. Coomer added that bike buddy matching is a new feature that has been recently added to the site. ShareTheRide also allows employers who participate in the Trip Reduction Program to track the implementation of their Trip Reduction Plan online. Ms. Coomer commented that this adds members to the system, as well as, increases the ease of complying with the requirements of the Trip Reduction Program. She indicated that approximately 230 companies are utilizing ShareTheRide for their Trip Reduction Plan. Ms. Coomer presented the user interface for ShareTheRide commute calendar and the contest page. The commute calendar displays statistics about the commutes tracked in the system, such as the number of trips logged, points earned for contests, gasoline saved, calories burned, and the emissions that have been reduced. Ms. Coomer stated that this feature can be inspirational in that it readily displays the financial and environmental impact of commute mode choices. She added that contests are an important feature of the system and encourages the tracking of trips. Ms. Coomer indicated that companies donate prizes for the contests.

Ms. Coomer presented the growth of the ShareTheRide program. She displayed the increase in ShareTheRide active users by fiscal year, including fiscal year 2014 through the end of April. The number of active users generally increases approximately 50 percent per year; as of April 2014, the program reports over 28,000 active users. Ms. Coomer also presented ShareTheRide calendar entries from fiscal year 2010 to fiscal year 2013. She indicated that between fiscal year 2012 and fiscal year 2013, there was a 48 percent increase in total users; 113 percent increase in calendar entries; 600 percent increase in contest entries; and a 15 percent increase in companies using ShareTheRide to track Trip Reduction Program efforts.

Ms. Coomer stated that navigation enhancements have been made to ShareTheRide.com. She explained that ShareTheRide is a shared call-to-action, so navigation was added to the bottom of the website to link both employers and individuals to additional information. Ms. Coomer presented the new design for ShareTheRide.com that reflects icons and colors used in the Commute Solutions Program. She added that the new design enhances the visibility of all of the alternative modes of transportation being promoted. Ms. Coomer made available to the Committee instruction cards on how to use and access ShareTheRide.com.

Ms. Coomer discussed alternative modes education and encouragement. She stated that each quarter, materials are provided to employers to promote different alternative transportation modes. Ms. Coomer commented that the art used for the spring kit was designed by a local artist. She noted that this was a cost effective method for achieving a creative concept that also promoted visibility for the local artist. Additionally, a light rail train wrap was designed in a similar style for Valley Bike Month. Ms. Coomer added that special promotions are conducted throughout the year to promote alternative transportation modes, such as Valley Bike Month in April, Rideshare Month in October, and the Clean Air Campaign Awards and Luncheon. She stated that the Clean Air Campaign is a year-round, general public education effort that encourages transportation behavior aimed at reducing pollutants; examples include: driving less, refueling after dark, and reducing vehicle idling time. Ms. Coomer added that air quality information and high pollution advisories are distributed to approximately 1,600 people who are subscribed to an email notification list. She commented that the annual luncheon, held in the fall, is an opportunity to recognize employers and employees who are promoting and utilizing travel reduction options. Ms. Coomer announced that the save the dates have been mailed for the October 30, 2014 luncheon this year.

Ms. Coomer reported on direct mail and paid advertising. The effectiveness of direct mail and paid advertising is assessed during the annual market survey. Ms. Coomer indicated that: 11 percent of residents surveyed recalled receiving a mailer; 42 percent recalled seeing or hearing advertising; and 51 percent had heard traffic radio reads. Using the results of this information, this year, a majority of advertising focused on traffic radio reads. Ms. Coomer stated that traffic radio reads is an effective way to reach the commuting public. She noted that the data collection from this year's annual market survey has been completed; results will be available in July.

Oddvar Tveit, City of Tempe, inquired about transportation modes for those with compressed work weeks. Ms. Coomer responded that generally driving alone is the largest mode of transportation. She noted that approximately 11 percent of commuters indicated compressed work schedules. Ms. Coomer reported that a decrease in compressed work schedule in last year's report was likely attributed to changes in the economy.

7. Air Quality Status Report

Julie Hoffman, Maricopa Association of Governments, provided an Air Quality Status Report to the Committee. She indicated that the update will provide information on carbon monoxide, ozone, and PM-10 concentrations in the region.

Ms. Hoffman presented the number of eight-hour carbon monoxide exceedance days in the Maricopa County nonattainment area since 1983. She stated that the standard for carbon monoxide is 9 parts per million (ppm), not to be exceeded more than once per year at a monitor. Ms. Hoffman indicated that there have been no exceedances of the eight-hour carbon monoxide standard since 1999. The last violation of the eight-hour carbon monoxide standard occurred in 1996.

Ms. Hoffman presented the trend of the second highest eight-hour carbon monoxide concentrations in the region. She noted the significant downward trend in carbon monoxide concentrations. Ms. Hoffman indicated that in each of the last three years, the second highest eight-hour carbon monoxide concentration has been below 3 ppm, far below the standard of 9 ppm. The region has met the carbon monoxide standard.

Ms. Hoffman discussed ozone. She noted that the region has met two ozone standards: the one-hour ozone standard of 0.12 ppm and the eight-hour ozone standard of 0.08 ppm. No violations of the one hour ozone standard have occurred since 1996. Ms. Hoffman stated that the region has not violated the 0.08 ppm standard since 2004. For the 0.075 ppm eight-hour ozone standard, there were 10 violating monitors in 2013. Ms. Hoffman explained that the fourth high values from 2011, 2012, and 2013 are included since the standard is calculated by looking at the three-year average of the fourth high at the monitors. She commented that the ozone concentrations for 2013 decreased from previous years, however there are a number of violating monitors due to high ozone concentrations in 2011 and 2012.

Ms. Hoffman displayed the highest three-year average of the fourth highest eight-hour ozone concentration in the Maricopa nonattainment area. She reported that this was at the North Phoenix monitor with a value of 0.081 ppm in 2013 which remained the same from 2012. Ms. Hoffman commented that the table does not reflect the decrease in ozone concentrations in 2013.

Ms. Hoffman presented the fourth highest eight-hour ozone concentrations by monitor for 2011, 2012, and 2013. The eight-hour ozone concentrations in the Maricopa nonattainment area decreased in 2013 as compared to 2011 and 2012. There were six monitors in 2013 where the fourth highest eight-hour ozone concentration was greater than 0.075 ppm compared to 14 monitors in 2012 and 12 monitors in 2011.

Ms. Hoffman presented the number of 24-hour PM-10 exceedance days in Maricopa County and the PM-10 nonattainment area by year. She commented that six exceedance days occurred in 2013; all exceedance days in 2013 were flagged as exceptional events by ADEQ and submitted to EPA for concurrence. Ms. Hoffman added that, to date, one exceptional event has occurred in 2014.

Chair McNeely thanked Ms. Hoffman for the update. He commented that the air quality is getting better.

8. Update on the MAG 2014 State Implementation Plan Revision for the Removal of Stage II Vapor Recovery Controls in the Maricopa Eight-Hour Ozone Nonattainment Area

Mr. Poppen provided a status report on the MAG 2014 State Implementation Plan (SIP) Revision for Removal of Stage II Vapor Recovery Controls in the Maricopa Eight-Hour Ozone Nonattainment Area. He indicated that the SIP revision requests the removal of Stage II controls at new gasoline dispensing facilities beginning in 2014 and at existing gasoline dispensing facilities beginning in October 2016, after the 2016 ozone season and before a regional emissions disbenefit occurs in 2018. The Arizona State Legislature passed House Bill 2128 on April 16, 2014 which authorized the requested Stage II removal schedule. The Governor signed House Bill 2128 on April 22, 2014 and the Bill became effective immediately due to the inclusion of an emergency clause.

Mr. Poppen presented the schedule for the MAG 2014 SIP Revision for Removal of Stage II Vapor Recovery Controls in the Maricopa Eight-Hour Ozone Nonattainment Area. He noted that on May 2, 2014 the draft SIP revision became available for public review. The MAG 2014 SIP Revision for Removal of Stage II Vapor Recovery Controls public hearing will be held on June 3, 2014. Mr. Poppen indicated that the MAG Air Quality Technical Advisory Committee may make a recommendation to the MAG Management Committee on June 26, 2014. The MAG Management Committee may make a recommendation to the MAG Regional Council on August 6, 2014. On August 27, 2014 the MAG Regional Council may adopt the MAG 2014 State Implementation Plan Revision for Removal of Stage II Vapor Recovery Controls in the Maricopa Eight-Hour Ozone Nonattainment Area.

9. Call for Future Agenda Items

Chair McNeely requested suggestions for future agenda items. Steve Trussell, Arizona Rock Products Association, requested an update on proposed changes to Rule 316 being brought forward by Maricopa County. Beverly Chenausky, Maricopa County, responded that she will bring this suggested item back to Maricopa County.

Chair McNeely indicated that the next meeting of the Committee has been tentatively scheduled for Thursday, June 26, 2014 at 1:30 p.m. With no further comments, the meeting was adjourned at approximately 2:10 p.m.