

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

Thursday, December 4, 2014
MAG Office
Phoenix, Arizona

MEMBERS ATTENDING

- William Mattingly, Peoria, Chairman
- Drew Bryck, Avondale
- John Minear, Buckeye
- # Jim Weiss, Chandler
- # Jamie McCullough, El Mirage
- Jessica Koberna, Gilbert
- Megan Sheldon, Glendale
- * Cato Esquivel, Goodyear
- # Kazi Haque, Maricopa
- # Greg Edwards for Scott Bouchie, Mesa
- Joe Giudice, Phoenix
- Tim Conner, Scottsdale
- # Antonio DeLaCruz, Surprise
- Oddvar Tveit, Tempe
- * Youngtown
- Ramona Simpson, Queen Creek
- * 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
- Amanda Luecker for Robert Forrest, Valley Metro/RPTA
- * Dave Berry, Arizona Motor Transport Association
- Jeannette Fish, Maricopa County Farm Bureau
- * Steve Trussell, Arizona Rock Products Association
- Ashley Ferguson for Claudia Whitehead, 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
- Joonwon Joo for Beverly Chenausky, Arizona Department of Transportation
- * Arizona Department of Environmental Quality
- * Environmental Protection Agency
- Corky Martinkovic, Maricopa County Air Quality Department
- Scott DiBiase, Pinal County
- Michelle Wilson, Arizona Department of Weights and Measures
- Ed Stillings, Federal Highway Administration
- * Judi Nelson, Arizona State University
- Mangus Slinkey for Stan Belone, Salt River Pima-Maricopa Indian Community

- *Members neither present nor represented by proxy.
- #Participated via telephone conference call.
- +Participated via video conference call.

OTHERS PRESENT

- Julie Hoffman, Maricopa Association of Governments
- Matt Poppen, Maricopa Association of Governments
- Kara Johnson, Maricopa Association of Governments
- Dean Giles, Maricopa Association of Governments
- Cathy Arthur, Maricopa Association of Governments
- Patrick Shaw, Maricopa Association of Governments
- Randy Sedlacek, Maricopa Association of Governments
- Joe Gibbs, City of Phoenix
- Sam Brown, City of Scottsdale
- Susan Avans, City of Buckeye
- Amanda Nash, Maricopa County
- # Suparna Dasgupta, Maricopa County Department of Transportation

1. Call to Order

A meeting of the Maricopa Association of Governments (MAG) Air Quality Technical Advisory Committee (AQTAC) was conducted on December 4, 2014. William Mattingly, City of Peoria, Chair, called the meeting to order at approximately 1:30 p.m. Greg Edwards, City of Mesa; Antonio DeLaCruz, City of Surprise; Jamie McCullough, City of El Mirage; Jim Weiss, City of Chandler; Gina Grey, Western States Petroleum Association; Amanda McGennis, Associated General Contractors; Kazi Haque, City of Maricopa; and Suparna Dasgupta, Maricopa County Department of Transportation attended the meeting via telephone conference call.

Chair Mattingly 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 Mattingly 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 Mattingly noted that no public comment cards had been received.

3. Approval of the October 23, 2014 Meeting Minutes

The Committee reviewed the minutes from the October 23, 2014 meeting. John Minear, City of Buckeye, moved and Corky Martinkovic, Maricopa County Air Quality Department, seconded and the motion to approve the October 23, 2014 meeting minutes, carried unanimously.

4. Update on the Arizona Center for Law in the Public Interest Lawsuit on the MAG 2012 Five Percent Plan for PM-10

Julie Hoffman, Maricopa Association of Governments, provided an update on the Arizona Center for Law in the Public Interest (ACLPI) lawsuit on the MAG 2012 Five Percent Plan for PM-10. She stated that MAG is planning to file an intervenor brief. Ms. Hoffman noted that the MAG motion to intervene, the ACLPI brief in opposition to the MAG motion to intervene, and the MAG reply brief in support of the motion to intervene were included in the agenda materials.

5. Update on the Winter Holiday No Burn Campaign

Ms. Hoffman provided an update on the Winter Holiday No Burn Campaign. She reminded the Committee that during the winter holiday season, PM-2.5 concentrations can become elevated and exceed the standard. The Winter Holiday No Burn Campaign is designed to reduce PM-2.5 concentrations. Ms. Hoffman encouraged the Committee members to keep this issue on their radar since it is now the winter holiday season.

Jessica Koberna, Town of Gilbert, inquired about the No Burn Campaign materials. Ms. Martinkovic responded that she will make sure that campaign materials are sent out. Oddvar Tveit, City of Tempe, indicated that Tempe has received the materials.

6. Update on the EPA Review of the National Ambient Air Quality Standards for Ozone

Matt Poppen, Maricopa Association of Governments, presented the Environmental Protection Agency (EPA) proposed revision of the National Ambient Air Quality Standards (NAAQS) for ozone. On November 25, 2014, EPA signed a notice proposing to revise the National Ambient Air Quality Standards for ozone. EPA will take comment on the proposal for 90 days after it is published in the Federal Register. Due to a court-ordered date, EPA will issue the final rule by October 1, 2015.

Mr. Poppen provided an overview of the primary standard. EPA proposes that the current primary standard, 0.075 parts per million (ppm), is not adequate to protect public health and proposes to revise the level of the standard to within a range of 0.065 to 0.070 ppm. EPA did not include a level of 0.060 ppm in the proposed range due to uncertainty that levels below 0.065 ppm will result in additional health improvements. Mr. Poppen indicated that EPA is seeking comment on levels as low as 0.060 ppm and also on retaining the existing standard.

Mr. Poppen discussed the secondary standard. EPA proposes that the current secondary standard, 0.075 ppm, is not adequate to protect public welfare, particularly against harm to trees, plants, and ecosystems. Mr. Poppen stated that EPA proposes to revise the secondary standard to a level within the range of 0.065 to 0.070 ppm, in order to achieve a target level of protection based upon the seasonal W126 index in a range of 13 to 17 parts per million-hours. Mr. Poppen noted that EPA indicates an eight hour form within the range of 0.065 to 0.070 ppm is equivalent to the level of protection provided by a secondary standard based on the W126 index target levels. EPA is seeking comment on setting a distinct secondary standard based upon the W126 metric, defining a target protection level as low as 7 to 13 parts per million-hours, and on retaining the existing standard.

Mr. Poppen reported other proposed revisions. EPA proposes to extend the ozone monitoring season for 33 states on an individual basis. Mr. Poppen indicated that this will not affect Arizona since Arizona already monitors year-round. He stated that EPA also proposes to streamline and modernize the Photochemical Assessment Monitoring Stations (PAMS) network to use monitoring resources most efficiently. Mr. Poppen indicated that these monitors measure volatile organic compounds (VOCs), which are a component in ozone formation. He added that there is only one PAMS network monitor in the region, the JLG Supersite monitor located in central Phoenix. Mr. Poppen noted that a significant proposed revision is the requirement for hourly speciated VOC measurements. He stated that currently measurements are completed using a canister, however the hourly speciated VOC measurements would be speciated with an automated gas chromatograph. Mr. Poppen noted that EPA also proposes to update its Federal Reference Method for ozone monitoring to include an additional method based upon advanced technology and monitoring methods. He explained that this update is to include a new ozone monitoring method, however the ozone monitors that are in use locally are still acceptable.

Mr. Poppen continued with other proposed revisions. EPA proposes to grandfather Prevention of Significant Deterioration permits that have made substantial progress through the review process at the time final standards are issued. Mr. Poppen noted that EPA also proposes to update the Air Quality Index, EPA's color-coded tool for communicating air quality to the public, to reflect changes to the ozone standard.

Mr. Poppen discussed implementation of the proposed revision to the National Ambient Air Quality Standards for Ozone. EPA intends to propose rules and guidance to assist areas with implementing revised standards within one year after the final standards are issued. The rules and guidance include: classification levels and ways to develop emissions inventory and attainment demonstrations. EPA noted the challenges presented by background ozone, and discussed Clean Air Act provisions that address background ozone, such as the Exceptional Events Rule, rural transport areas, and international transport. Mr. Poppen indicated that EPA is in the process of a separate rule making for the Exceptional Events Rule starting in mid-2015 with a proposed rule and a final rule in mid-2016. The Exceptional Events Rule could help the region in the event of wildfires and stratospheric ozone intrusions, which are meteorological phenomena that mainly occur in spring when ozone from the upper atmosphere is drawn into the lower atmosphere. Mr. Poppen indicated that the rural transport area provisions will not apply locally since the region is not classified as a rural area. He provided an example regarding international transport provisions in that if a region cannot attain the standard by the attainment date due to international transport, the region is not subject to a higher nonattainment classification. Finally, Mr. Poppen mentioned that EPA stated that existing and proposed federal rules will help states meet the proposed standards (e.g. Tier Three Vehicle Emissions and Fuel Standards, Regional Haze regulations, and other regulations to control ozone).

Mr. Poppen presented a map of counties where measured ozone is above the proposed range of 65 to 70 parts per billion (ppb). He stated that the map is based on 2011-2013 data; however, the designations for a new standard will likely occur with 2014-2016 data. Mr. Poppen discussed that 358 counties would violate a standard set at 70 ppb and that an additional 200 counties would violate a standard of 65 ppb.

Mr. Poppen displayed a map illustrating that EPA projects most counties would meet the proposed range in 2025. He commented that in 2025 nine counties outside California would violate a 70 ppb standard and that 59 additional counties outside of California would violate a 65 ppb standard for a total of 68 counties. Mr. Poppen emphasized that EPA projects the vast majority of counties outside California would meet the proposed standards by 2025 just with the rules and programs now in place or under way.

Jeanette Fish, Maricopa County Farm Bureau, inquired why in the map Coconino County is shown as not able to attain the proposed standard by 2025. Mr. Poppen responded that this county may have national and international ozone transport issues. He also added that high elevation counties can also have high background ozone, sometimes up to 50 ppb. Mr. Poppen mentioned that this county may opt for a rural transport area designation since there may not be other significant local sources impacting the ozone levels. He mentioned that international transport may also impact the Arizona counties bordering Mexico. Mr. Poppen also mentioned that most of California will not attain the proposed standards by 2025, and that many California counties would have until the year 2037 to attain the proposed standards.

Mr. Poppen provided a possible 2015 ozone NAAQS schedule. The proposed rule was issued November 25, 2014. The final rule has a court-ordered date of October 1, 2015. In October 2016, the State would submit designation recommendations. In October 2017, EPA would finalize designations, classifications, attainment dates, and nonattainment area State Implementation Plan rules and guidance that would likely be based upon 2014-2016 ozone monitoring data. States would submit attainment plans in December 2020-2021. Nonattainment area attainment dates range from December 2020 to 2037 for Marginal through Extreme nonattainment areas.

Kristin Watt, Salt River Project, asked if MAG plans to comment on the proposed ozone standard. Mr. Poppen replied that historically MAG has not commented on proposed standards. He noted that MAG does not have health professionals on staff.

7. Draft MAG 2013 Inventory of Unpaved Roads

Randy Sedlacek, Maricopa Association of Governments, presented the Draft MAG 2013 Inventory of Unpaved Roads. He stated that this is an update on the status of unpaved roads in the Maricopa County PM-10 nonattainment area for 2013. On May 23, 2007, the MAG Regional Council approved additional items for the Suggested List of Measures to reduce PM-10 one of which was that MAG would develop an unpaved roads inventory for the PM-10 nonattainment area. The primary use of the inventory is to measure progress in eliminating unpaved roads. The initial inventory was completed in November 2009.

Mr. Sedlacek outlined the steps to update the unpaved road inventory. The paving unpaved roads data was compiled from the MAG Congestion Mitigation and Air Quality Improvement and Transportation Improvement Plan paving data for 2013. The MAG member agencies were contacted for 2013 data on paving, removal, blockage, and any new public unpaved roads. Mr. Sedlacek explained that these two data sets were merged together to develop a preliminary 2013 unpaved roads inventory. He added that aerial imagery was utilized to identify changes to unpaved roads. Based on this information, MAG Geographic Information System staff developed draft review unpaved road maps. Additional unpaved road data was received from the MAG member agencies after their review of the draft unpaved road maps. The following were not included in the inventory: alleys, agricultural roads, canal roads, closed unpaved roads, easements, restricted access roads, and utility roads.

Mr. Sedlacek displayed the 2013 unpaved roads summary. The total number of public and private unpaved roads were estimated using the updated inventory. In 2013, it was estimated that there was 381 miles of public unpaved roads, 998 private unpaved roads, and a total of 1,379 total miles of unpaved roads in the nonattainment area. He stated that public and private unpaved roads for the nonattainment area are also broken down by: cities and towns; unincorporated Maricopa County; unincorporated Pinal County; federal land; and Tribal Nations/Communities.

Mr. Sedlacek stated that when compared to the 2009 inventory, the total public unpaved roads decreased by 232 miles. The decrease is due to: paving of public unpaved roads; closing of public unpaved roads; reclassification of public unpaved roads; and blockage of public unpaved roads. Mr. Sedlacek indicated that when compared to the 2009 inventory, the private unpaved

roads decreased by 273 miles. This decrease is due to: paving of private unpaved roads and reclassification of private unpaved roads.

Mr. Sedlacek presented a regional map of public unpaved roads and PM-10 monitors in the nonattainment area. He also displayed a map of private unpaved roads and PM-10 monitors in the nonattainment area.

Ms. Fish inquired about how many miles were paved since 2009. Mr. Sedlacek replied that he would check the data and report back to Ms. Fish.

Chair Mattingly asked if the two maps displayed are be available in more detail. Mr. Sedlacek responded that MAG staff could make those maps available.

Tim Connor, City of Scottsdale, inquired when MAG staff will contact the member agencies for the next update to the inventory. Mr. Sedlacek replied that he will likely contact the MAG member agencies in February 2015.

8. Tentative Meeting Schedule for January-December 2015

Ms. Hoffman stated that the tentative AQTAC meeting schedule for the year 2015 has been included in the agenda materials.

9. Call for Future Agenda Items

Chair Mattingly requested suggestions for future agenda items. He indicated that the next meeting of the Committee has been scheduled for Thursday, January 22, 2015 at 1:30 p.m. With no further comments, the meeting was adjourned at approximately 2:00 p.m.