

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

Tuesday, May 27, 2003
MAG Office
Phoenix, Arizona

MEMBERS PRESENT

Stephen Cleveland, City of Goodyear, Chairman
Avondale: Michael Powell
Chandler: Jim Weiss
*Gilbert: Tami Ryall
Glendale: Doug Kukino
Mesa: Christine Zielonka
Phoenix: Gaye Knight
Scottsdale: Larry Person
*Surprise: Jerry Huston
Tempe: Oddvar Tveit for Tom Moore
Citizen Representative: Walter Bouchard
*Arizona Lung Association: David Feuerherd
Salt River Project: Chris Janick
*Southwest Gas Corporation: Brian O'Donnell
Arizona Public Service Company: Jim Mikula
#Western States Petroleum Association: Gina Grey
Valley Metro: Bryan Jungwirth
Arizona Motor Transport Association: Dave Berry
*Maricopa County Farm Bureau: Jeannette Fish
Arizona Rock Products Association: Rusty Bowers
*Greater Phoenix Chamber of Commerce: Michelle Rill

Associated General Contractors: Amanda McGennis
*Homebuilders Association of Central Arizona:
Connie Wilhelm-Garcia
*American Institute of Architects - Central Arizona:
Stephen J. Andros
Valley Forward: Peter Allard
University of Arizona - Cooperative Extension:
Patrick Clay
Arizona Department of Transportation: Pat Cupell
Arizona Department of Environmental Quality:
Peter Hyde
*Maricopa County Environmental Services
Department: Jo Crumbaker
Arizona Department of Weights and Measures:
Duane Yantorno
Federal Highway Administration: Ed Stillings for
Dennis Mittelstedt
*Arizona State University: Judi Nelson
*Salt River Pima-Maricopa Indian Community:
B. Bobby Ramirez
*Citizen Representative: David Rueckert

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

OTHERS PRESENT

Lindy Bauer, Maricopa Association of Governments
Dean Giles, Maricopa Association of Governments
Julie Kicksey, Maricopa Association of
Governments
Scott DiBiase, Maricopa Association of
Governments
Roger Roy, Maricopa Association of Governments
Paul Ward, Maricopa Association of Governments
Jim Larsen, Intel
Maxine Leather, Central Arizona Association of
Governments
Tami Stowe, House of Representatives

Jean Parkinson, Pinal County Air Quality Control
District
Don Gabrielson, Pinal County Air Quality Control
District
Rick Bohan, Maricopa County
Carolyn Novak, Stevens & Stevens, P.C.
Susie Stevens, Stevens & Stevens, P.C.
Kelly McMullen, Maricopa County Department of
Transportation
Bruce Friedl, Arizona Department of Environmental
Quality

1. Call to Order

A meeting of the MAG Air Quality Technical Advisory Committee was conducted on May 27, 2003. Stephen Cleveland, City of Goodyear, Chairman, called the meeting to order at approximately 1:40 p.m. Gina Grey, Western States Petroleum Association, attended the meeting via telephone conference call.

2. Approval of the May 8, 2003 Meeting Minutes

The Committee reviewed the minutes from the May 8, 2003 meeting. Christine Zielonka, City of Mesa, moved and Doug Kukino, City of Glendale, seconded and the motion to approve the May 8, 2003 meeting minutes carried unanimously.

3. Evaluation of Proposed CMAQ Projects for Federal Fiscal Year 2003 Year End Closeout

Dean Giles, Maricopa Association of Governments, gave an update on the evaluation of proposed Congestion Mitigation and Air Quality Improvement projects for Federal FY 2003 Year End Closeout. He indicated that the deadline for submitting projects was May 16, 2003 and that many requests were received. Mr. Giles provided the Committee with a list of proposed projects in order of cost effectiveness, based on total project cost. The projects were ranked using CMAQ methodology. He mentioned that the Phoenix project at 43rd Avenue/Lower Buckeye Road is particularly important since it is located in the Salt River Monitoring Area and relates to PM-10. The evaluation results were provided for a possible recommendation to forward to the MAG Transportation Review Committee (TRC) for use in prioritizing the projects. Mr. Giles added that the Committee could rank any Air Quality projects and forward this list for the May 29, 2003 TRC meeting.

Mr. Cleveland asked which projects, other than the 43rd Avenue/Lower Buckeye Road project, were PM-10 related. Mr. Giles responded that the Avondale project also addresses PM-10. Mr. Cleveland indicated that for the 43rd Avenue/Lower Buckeye Road project, \$1.5 million in CMAQ funds were requested, but the total cost was \$95,000 less. Mr. Cleveland inquired about the actual amounts. Gaye Knight, City of Phoenix, responded that to her knowledge the request was \$1.5 million.

Ms. Knight asked how much funding was available in the year end closeout. Lindy Bauer, Maricopa Association of Governments, replied that \$14.6 million is available, however \$1.6 million would need to be subtracted for the PM-10 certified street sweepers that were recommended at the May 8, 2003 meeting. Brian Jungwirth, Valley Metro, moved and Michael Powell, City of Avondale, seconded the motion to forward the CMAQ evaluation to the TRC.

Rusty Bowers, Arizona Rock Products Association, asked if vehicle miles are included in cost effectiveness. Ms. Bauer responded that the methodology includes vehicle miles of travel. Ms. Zielonka indicated that the project list shows Valley Metro requesting \$12 million for the light rail project and that only \$14 million is available. Ms. Bauer replied that there are more funds being requested than available. She added that the role of the Committee is to focus more on the emission reduction and cost effectiveness of the projects and forward the list to the TRC.

Mr. Jungwirth asked if there is any assurance that the agencies will expend the funds by September 30, 2003. Paul Ward, Maricopa Association of Governments, stated that the funds do not need to be expended by September. Mr. Cleveland suggested that the Committee first forward the CMAQ evaluation to the TRC, and then rank the Air Quality projects that relate to PM-10. Mr. Bowers asked if forwarding the list signifies that the Committee accepts all of the projects on the list. Mr. Cleveland replied that forwarding the list does not convey that message. The Committee is just forwarding the results of the evaluation. Mr. Cleveland asked for a vote on forwarding the CMAQ evaluation to the TRC. The motion carried with Mr. Bowers abstaining.

Mr. Cleveland inquired about the regular process of ranking the projects. Mr. Giles mentioned that typically the individual modal committees make a recommendation to rank projects. Ms. Zielonka asked why all the projects are not considered air quality related. Ms. Bauer responded that all of the proposed CMAQ projects are air quality related. However, the list is broken down and shows that two of the projects are specifically PM-10 related. She added that the region is currently violating the PM-10 standard and that the Committee may want to emphasize the importance of these projects.

Mr. Kukino inquired about the emission reduction measurement. Mr. Giles replied that the weight of the emissions will be addressed when the CMAQ methodology is updated this year. Mr. Kukino asked if the emissions could be split. Ms. Bauer responded that the draft methodology will be brought to the Committee for review and comments will be accepted at that time.

Mr. Cleveland indicated that the Committee needs to deliberate the merits of the two PM-10 projects and make a recommendation. Ms. Knight asked if the two projects are classified as PM-10 related because the primary emission reduction is PM-10. Mr. Giles responded that this is correct. Ms. Knight distributed a picture of the 43rd Avenue/Lower Buckeye Road location. She also provided the Committee with a map of fugitive emission observations in that area. Ms. Knight mentioned that the City of Phoenix has taken an aggressive approach and is using their own funds to try and improve the air quality in the Salt River Monitoring Area. However, the 43rd Avenue/Lower Buckeye Road is especially challenging and Phoenix is unable to fund the project on its own.

Mr. Powell asked for more clarification on the \$95,000 difference between the CMAQ funds requested and the total cost of the 43rd Avenue/Lower Buckeye Road project. Mr. Giles responded that the total cost number is correct. The CMAQ funds request of \$1.5 million is an earlier number that was not updated. Mr. Cleveland clarified that \$1,405,000 is the correct number.

Mr. Kukino inquired about the importance of the \$12 million to the \$1 billion light rail project. Mr. Jungwirth replied that Valley Metro has forfeited all other requests and is looking to receive as much of the \$12 million as possible. He added that Valley Metro hopes to get 50 percent of the project cost from the federal government and 50 percent locally. Larry Person, City of Scottsdale, asked if \$1 billion is the total cost of the light rail project. Mr. Jungwirth replied that this is correct. Mr. Bowers inquired about how critical the \$12 million is to the project. Mr. Jungwirth indicated that the project would still move forward without the \$12 million.

Amanda McGennis, Associated General Contractors, commented that she is not confident that all of the projects listed should be funded. Mr. Cleveland indicated that the second question is to prioritize the projects. He added that the PM-10 projects should be a priority since the region still

experiences PM-10 violations at the monitors. Ms. Zielonka made a motion to rank the 43rd Avenue/Lower Buckeye Road project first, and then the Avondale project. Mr. Jungwirth seconded, and the motion carried unanimously.

Mr. Powell inquired about the benefits of the projects. Mr. Giles responded that the projects are listed in order of cost effectiveness and the Avondale project is ranked as the most cost effective. Ms. Knight asked if this was due to the length of the project. Mr. Giles replied that the Avondale project was evaluated on bike-pedestrian improvements and paving work. Ms. Bauer emphasized that the Phoenix area needs to be clean in 2004, 2005, and 2006 in order to attain the PM-10 standard by 2006. If attainment is not reached, then five percent reductions will be required each year until the area reaches attainment. She stated that this would be difficult for the region to achieve. Mr. Cleveland clarified that the Committee is ranking the 43rd Avenue/Lower Buckeye Road project first, followed by the Avondale project.

Mr. Cleveland asked if it is possible to get a query of neighborhoods with unpaved roads. Mr. Ward responded that this is ongoing. Dave Berry, Arizona Motor Transport Association, inquired about the local contributions to the projects. Mr. Powell indicated that the City of Avondale has passed a sales tax to contribute to the project. Ms. Knight added that the City of Phoenix is going through the process of paving roads. However, the City is unable to pave private roads. She mentioned that as Phoenix acquires private roads, those roads will be paved. Peter Hyde, Arizona Department of Environmental Quality, commented that the Committee should rank the Air Quality projects and let the TRC prioritize the list. Mr. Hyde moved to approve the remaining projects on the list and to have the TRC prioritize the projects. Ms. Zielonka seconded, and the motion carried with four no votes: Walter Bouchard, Citizen Representative; Mr. Bowers; Mr. Person; and Ms. McGennis.

4. 8-Hour Ozone Standard Area Designations

Julie Kicksey, Maricopa Association of Governments, provided the Committee with an update on the process to designate nonattainment area boundaries for the eight-hour ozone standard. She indicated that MAG has completed an initial analysis for an eight-hour ozone boundary option for the Maricopa County Nonattainment Area. Based on this initial evaluation, a boundary option was presented. A report was distributed to the Committee documenting the rationale behind the boundary option, based on EPA guidance. Ms. Kicksey indicated that the boundary option extends further into northeastern Maricopa County than the current boundary to include the Humboldt Mountain and Blue Point monitors. She also mentioned that most of the current and expected growth in population, employment and vehicle travel will occur within the boundary option. In addition, the three monitors that violated the eight-hour ozone standard during the 2000-2002 period are inside this boundary. Ms. Kicksey added that the boundary option may be appropriate for consideration, based on the preliminary initial analysis. The EPA deadline for states to submit their boundary recommendations is July 15, 2003. The EPA will then make final designations by April 15, 2004. The Arizona Department of Environmental Quality conducted a stakeholders meeting on May 21, 2003 regarding eight-hour ozone standard area designations. On June 11, 2003, another stakeholders meeting will be held by ADEQ to announce the agency's recommendation for area designations under EPA's eight-hour ozone standard.

Mr. Cleveland indicated that the Committee could either make a recommendation now, or wait until after the ADEQ stakeholders meeting. He added that the Committee could make a recommendation at the June 19, 2003 Air Quality Technical Advisory Committee meeting, after the ADEQ recommendations for area designations under the eight-hour ozone standard have been presented.

Ms. Zielonka inquired about the pros and cons of recommending the current one-hour ozone nonattainment area and suggested that the Committee wait for the ADEQ boundary. Ms. Bauer commented that the ADEQ boundary is unknown, consequently, no comparison is available. She added that the default nonattainment area would be the entire Metropolitan Statistical Area (MSA). According to the EPA, eleven factors need to be addressed to support a boundary smaller than the MSA.

Mr. Berry asked if MAG has submitted the boundary option to ADEQ. Ms. Bauer replied that ADEQ was provided with MAG's initial thinking on the eight-hour ozone boundary option on May 1, 2003. An ADEQ representative was also at the May 8, 2003 Air Quality Technical Advisory Committee meeting, when the boundary option was initially discussed. Mr. Berry suggested that MAG transmit the report to ADEQ so that it can be incorporated into the agency's recommendation. He recommended that the Committee wait until ADEQ provides a recommendation for the eight-hour ozone area designations. Mr. Berry added that the data does support a smaller area designation.

Mr. Person indicated that he has some reservations about the boundary option. He asked if the Clean Air Act requires all monitors that violate the standard to be included in the boundary. Mr. Person suggested that the boundary option follow the Area A boundary in northeastern Maricopa County near Humboldt Mountain. The area has very few residents and only violates the standard because of transport. Therefore, there is no gain by including this area in the boundary option.

Mr. Powell inquired about the significance of 1,000 people per square mile. Ms. Kicksey referred him to Figure 3 in the report. Mr. Powell indicated that, according to Figure 3, and using the logic mentioned earlier, the population growth in Pinal County would need to be included in the boundary option since it is in Area A. Mr. Person commented that it is his understanding that the southeast corner of Area A is not included in the boundary option since it does not contribute to the violations.

Ms. Zielonka asked what role transport and biogenic emissions have in the violations of the eight-hour standard. Ms. Bauer replied that transport and biogenic emissions are recorded at the monitoring site. She emphasized that growth does not equal air pollution. Ms. Bauer mentioned that there are some heavy hitting measures yet to come. For example, Tier 2 tailpipe standards, heavy duty engine standards, and nonroad standards will have large benefits for air quality. Ms. Zielonka commented on controlling to the monitoring stations. She added that the region needs to be looked at as a whole, and that the focus should be on the source.

Mr. Person proposed shrinking the northeast corner of the boundary. Mr. Bowers mentioned that building will occur based on monitor placement and meteorology. Therefore, more industry will move into Pinal County. Mr. Hyde indicated that the ozone standard is not just for human health. There is a secondary standard for the natural world. Mr. Hyde added that even though there are few people occupying the area, the effects of pollution on vegetation should not be ignored. He

mentioned that there are compelling arguments to extend the boundary further to the Northeast. Ms. Knight moved to delay action until June 19, 2003. Mr. Powell seconded, and the motion carried unanimously.

Mr. Berry made a recommendation to amend the motion in order to send the report to ADEQ to use in formulating their recommendation for area designations on the eight-hour ozone standard. He added that he sensed from the Committee that a smaller boundary is more desirable. Mr. Bowers seconded to amend the original motion.

Mr. Bowers commented that the Committee should do what the law requires. He added that the region may be better served if less is done with respect to area designations. Mr. Powell suggested defining the boundary option area as smaller than Area A. Mr. Person referred to Table 6 in the report. He inquired about which control measures would impact anyone or anything in northeastern Maricopa County. Mr. Person indicated that he is in support of the motion.

Mr. Berry mentioned that ADEQ has been working on the eight-hour ozone area designations for nearly 1.5 years. He indicated that forwarding the report would give ADEQ a sense of the Committee's direction on the boundary. Ms. Knight suggested that the next meeting include discussion on the consequences of moving the boundary. Also, the bottom-line effect should be addressed. She inquired about the advantages and disadvantages of making the boundary either larger or smaller. Mr. Hyde responded that Ms. Knight's questions are stepping into the regulatory arena. He added that Area A signifies enhanced inspection and maintenance for cars. Mr. Hyde indicated that there is a public meeting on June 11, 2003 at 1:30 p.m to announce ADEQ's boundary recommendation. It will be held at the ASU Downtown Center. Mr. Cleveland asked for a vote on the amendment to forward the report to ADEQ and indicate that a smaller boundary is desirable. The vote passed with three abstentions: Mr. Hyde; Duane Yantorno, Arizona Department of Weights and Measures; and Chris Janick, Salt River Project.

Ms. Knight asked if ADEQ has the final authority in forwarding the recommendation to the Governor. Mr. Hyde replied that ADEQ is the final arbiter to advise the Governor. Mr. Cleveland indicated that the parties involved should develop a collaborative document. Ms. Bauer mentioned that ADEQ will allow one week to comment after the meeting. Mr. Berry asked if the ADEQ recommendation will go through a State rulemaking process. Mr. Hyde responded that the EPA's ruling will be effective in July 2004. Mr. Berry inquired about the Administration giving relief to several cities, including Phoenix, on the eight-hour ozone standard. Ms. Bauer replied that the relief is tied to the implementation guidance provided by the EPA. She indicated that MAG will report back on this issue.

5. Blue Skies Training Program Overview

Pat Cupell, Arizona Department of Transportation, provided the Committee with an overview of the Blue Skies Training Program. The goal of the program is to make dust suppression a standard operating practice at construction sites throughout Arizona. It is one of many initiatives being implemented to reduce the risk to human health and visibility impairment caused by airborne dust. Mr. Cupell indicated that the program will encourage the construction industry to participate by offering information and guidance on performing dust control practices. Training and certification

will also be offered on a voluntary and proactive basis. The Blue Skies Training Program will keep the construction industry informed on plans, rules, and techniques that affect dust control practices and enforcement.

Mr. Powell inquired about how well the construction industry will appreciate the Blue Skies Training Program. Mr. Cupell responded that there will be a high level of interest. Mr. Cleveland thanked Mr. Cupell for the presentation and enabling the Committee to connect their efforts on reducing PM-10 back to the educational programs.

6. Call to the Public

An opportunity was provided to members of the public to address the MAG Air Quality Technical Advisory Committee. No comments were presented.

7. Call for Future Agenda Items

Mr. Cleveland announced that the next meeting of the Committee is scheduled for June 19, 2003. He mentioned that the meeting will include an update on the designation of the nonattainment boundary for the eight-hour ozone standard, based on an earlier motion.