

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

Thursday, September 28, 2006  
MAG Office  
Phoenix, Arizona

MEMBERS PRESENT

- \*Stephen Cleveland, City of Goodyear, Chairman
- #Michael Powell, Avondale
  - Lucky Roberts, Buckeye
- #Cynthia White for Jim Weiss, Chandler
- \*Jamie McCullough, El Mirage
  - Greg Svelund for Tami Ryall, Gilbert
  - Doug Kukino, Glendale
- #Scott Bouchie, Mesa
  - Gaye Knight, Phoenix
  - Larry Person, Scottsdale
  - Antonio DeLaCruz, Surprise
  - Oddvar Tveit, Tempe
- \*Walter Bouchard, Citizen Representative
  - Corey Woods for Bill Pfeifer, American Lung Association of Arizona
- \*Sunil Varma, Salt River Project
  - Brian O'Donnell, Southwest Gas Corporation
- \*Jim Mikula, Arizona Public Service Company
- \*Gina Grey, Western States Petroleum Association
  - Betsy Turner for Randi Alcott, Valley Metro
  - Dave Berry, Arizona Motor Transport Association
- \*Jeannette Fish, Maricopa County Farm Bureau
- \*Russell Bowers, Arizona Rock Products Association
- \*Michelle Rill, Greater Phoenix Chamber of Commerce
  - Amanda McGennis, Associated General Contractors
- \*Connie Wilhelm-Garcia, Homebuilders Association of Central Arizona
- \*Stephen J. Andros, American Institute of Architects - Central Arizona
  - Mannie Carpenter, Valley Forward
  - Patrick Clay, University of Arizona - Cooperative Extension
- \*Beverly Chenausky, Arizona Department of Transportation
  - Peter Hyde, Arizona Department of Environmental Quality
  - Wienke Tax, Environmental Protection Agency
  - Jo Crumbaker, Maricopa County Air Quality Department
- \*Duane Yantorno, Arizona Department of Weights and Measures
  - Ed Stillings, Federal Highway Administration
  - Judi Nelson, Arizona State University
- \*B. Bobby Ramirez, Salt River Pima-Maricopa Indian Community
- \*David Rueckert, Citizen Representative

- \*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
- Cathy Arthur, Maricopa Association of Governments
- Dean Giles, Maricopa Association of Governments
- Julie Hoffman, Maricopa Association of Governments
- Paul Ward, Maricopa Association of Governments
- Ranjith Dandanayakula, Maricopa Association of Governments
- Wayne Anderson, Town of Cave Creek
- Souren Naradikian, Town of Cave Creek
- Robert St. John, City of Glendale
- Sonny Culbreth, City of Litchfield Park
- Paul Gilmore, W.C. Scoutten/City of Litchfield Park
- Scott Di Biase, Pinal County
- Diane Arnst, Arizona Department of Environmental Quality
- Jody Noble, Environmental Stabilization Solutions

1. Call to Order

A meeting of the MAG Air Quality Technical Advisory Committee was conducted on September 28, 2006. Gaye Knight, City of Phoenix, Acting Chair, called the meeting to order at approximately 1:40 p.m. Scott Bouchie, City of Mesa, and Michael Powell, City of Avondale, attended the meeting via telephone conference call.

2. Call to the Audience

Ms. Knight 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 table adjacent to the doorway 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 and nonaction agenda items. Ms. Knight noted that no public comment cards had been received.

3. Approval of the June 29, 2006 Meeting Minutes

The Committee reviewed the minutes from the June 29, 2006 meeting. Oddvar Tveit, City of Tempe, moved and Doug Kukino, City of Glendale, seconded and the motion to approve the June 29, 2006 meeting minutes carried unanimously.

4. Evaluation of Proposed CMAQ Projects for the FY 2008-2012 MAG TIP

Dean Giles, Maricopa Association of Governments, presented the evaluation of proposed Congestion Mitigation and Air Quality Improvement (CMAQ) projects submitted for the FY 2008-2012 MAG Transportation Improvement Program (TIP). He stated that this agenda item includes two possible actions by the Committee. The first action is the recommendation to forward the evaluation of proposed CMAQ projects for the FY 2008-2012 MAG TIP to the MAG Transportation Review Committee (TRC) and modal committees for use in prioritizing projects. The second action is to rank the Air Quality Projects to be forwarded to the TRC. He indicated that the projects were due to MAG by September 1, 2006. Mr. Giles added that MAG conducted an air quality assessment of the proposed projects using the Methodologies for Evaluation Congestion Mitigation and Air Quality Improvement Projects, August 15, 2005, whenever possible.

Mr. Giles provided the approximate FY 2012 CMAQ funding levels based on the MAG Regional Transportation Plan (RTP) and the FY 2008-2012 MAG TIP Guidance Report. He stated that CMAQ funding is also available for the programming of Intelligent Transportation System (ITS) projects for fiscal years 2008, 2009, and 2010 from the Regional Transportation Plan Arterial Street Life Cycle Program. Mr. Giles indicated that the results of the project evaluation were provided to the Committee in order of cost-effectiveness and that the evaluation is one piece of information used by the TRC and modal committees in prioritizing projects. Mr. Giles also provided a timeline.

Peter Hyde, Arizona Department of Environmental Quality, asked if the Committee would benefit from having the Congestion Management System (CMS) scores. Mr. Giles replied that the CMS scores were not available when the evaluation was mailed to the Committee, but will be provided for the October TRC meeting. Mr. Giles stated that the CMS scores could be provided to the Committee when available. Mr. Hyde asked if the CMS scores would be helpful for the Committee

in evaluating the projects and inquired if the scores have been provided in the past. Mr. Giles replied that the CMS scores have been provided in the past when available.

Paul Ward, Maricopa Association of Governments, indicated that the majority of the projects submitted are not adding capacity and therefore would not have CMS scores. However, some bicycle and pedestrian and ITS projects may have CMS scores. He added that MAG is planning to review the Congestion Management System Process. The review may include expanding the scoring system to allow some of these projects to be ranked through the Congestion Management System.

Dave Berry, Arizona Motor Transport Association, commented that the funds are separated into air quality, bicycle and pedestrian, and ITS categories. He stated that air quality projects have a cost-effectiveness of approximately \$1,400 to \$95,000/metric ton and that the cost-effectiveness for bicycle and pedestrian projects are much lower. He commented on the significance of the PM-10 problem and expressed concern about recommending projects with a high cost-effectiveness. Mr. Berry asked if there is any flexibility on how the funds are allocated. Lindy Bauer, Maricopa Association of Governments, replied that the projects are split by mode to match the plan allocations provided in the Regional Transportation Plan, which has funds allocated through 2026. She stated that the RTP was presented to the voters in 2004 and there is the expectation that it be multimodal. Ms. Bauer added that for air quality, there are funds for the street sweeper and paving unpaved roads projects, which have been helpful in addressing the PM-10 problem. She stated that projects have been submitted for paving unpaved roads and street sweepers and will be discussed later on the agenda. Ms. Bauer mentioned that it all ties back to the RTP.

Mr. Berry commented that there is a process for changing the Regional Transportation Plan. He stated that the Committee may want to ask the MAG Transportation Policy Committee (TPC) to consider changes to the RTP. Mr. Berry mentioned that the funds should be going to projects that will best address the PM-10 problem. Ms. Knight commented on the complexity of the issue. Mr. Berry stated that the discussion is worth having.

Ms. Knight stated that MAG is working on the PM-10 Five Percent Plan and the Emissions Inventory. She commented on the timing and mentioned that once the Emissions Inventory is available, there will be a better idea of the PM-10 sources. Ms. Knight mentioned that putting more money towards air quality projects is something that could be done in the future. Mr. Berry stated that the projects are for FY 2012.

Amanda McGennis, Associated General Contractors, stated that she agrees with Mr. Berry. She mentioned that if the emission reductions for a project are not significant, then the money needs to be spent elsewhere. Ms. McGennis commented on the escalating cost of projects and how the Regional Transportation Plan will be effected.

Ms. Bauer mentioned that the region has a serious PM-10 pollution problem. She stated that there have been a number of PM-10 exceedances in 2006; therefore, 2006 cannot be used as the first year of clean data. The hope is to be clean in 2007, 2008, and 2009. Ms. Bauer stated that she appreciates the sensitivity of the Committee to the biggest air pollution problem in the region. She mentioned that MAG worked hard on the Regional Transportation Plan and that it is the expectation of the voters that the RTP be multimodal. She stated that CMAQ is one of several sources of funding in the Regional Transportation Plan. Ms. Bauer indicated that for some projects such as paving unpaved roads, CMAQ is not the only funding source. Sometimes other sources of funds can

be spent faster. Ms. Bauer mentioned that CMAQ has other requirements which must be met before the funds can be spent. She added that the TPC is the major transportation committee that worked on the Regional Transportation Plan.

Mr. Hyde made a motion to recommend that the TPC consider reallocating funds in the TIP to air quality projects that address the dust control problem. Mr. Berry seconded the motion. Mr. Hyde commented on the amount of funds that should be reallocated. He added that a complementary part of the motion should be to invite more air quality projects that reduce PM-10 emissions. Mr. Hyde referred to the list of projects submitted and stated that there is only a handful of paving and sweeping projects. He suggested letting the community know that the Committee would like to see more projects that reduce PM-10 and possibly a more diverse list of projects.

Ms. Knight stated that from a city's perspective, it would be hard to go back and get more projects for the current TIP. She suggested moving the projects forward and said that it is too late in the process to be asking cities to add new projects in the FY 2008-2012 TIP. Mr. Berry stated that the motion does not include a time period. He commented on inviting everyone to develop good ways to control PM-10 and increasing awareness of the CMAQ funds that are available. Ms. Knight stated that the cities have been working to find projects that address the PM-10 problem.

Ms. Knight asked that the motion be restated. Ms. Bauer stated that Mr. Hyde made a motion to recommend that the TPC consider reallocating funds in the TIP to air quality projects that address the dust control problem and invite more air quality projects to be submitted from the community. Mr. Berry asked if Maricopa County and the State could submit projects located within the PM-10 Nonattainment Area. Ms. Bauer responded that is correct. Mr. Berry inquired about private businesses. Ms. Bauer replied that private businesses are eligible if the project is brought through a public sponsor. She said there may also need to be an agreement that the private sector would have to sign. Mr. Berry inquired about Indian Communities. Ms. Bauer responded that Indian Communities are considered government status and have applied for CMAQ funds in the past.

Michael Powell, City of Avondale, asked if the funds that are currently being provided are allocated in a way that is most effective at addressing the PM-10 problem. He commented on restructuring the process so that it addresses factors from a more regional basis than from a city by city basis. Mr. Powell mentioned that may be what he is hearing from some members of the Committee during the discussion. Ms. Knight suggested voting on the motion and then discussing how the TIP Process works. Ms. McGennis clarified that the funds are in the current TIP. Ms. Knight replied that is correct. She called for a vote on the motion to recommend that the TPC consider reallocating funds in the TIP to air quality projects that address the dust control problem and invite more air quality projects to be submitted from the community. The motion passed unanimously.

Mr. Powell stated that a work group could be established to evaluate the effectiveness of the TIP Process. He mentioned that recommending projects with a cost-effectiveness over \$1 million seems to be misguided. Mr. Powell suggested that a work group be established to evaluate whether the region is utilizing the funds in a way that we can successfully address the problem. Ms. Knight stated that many of the Committee members are committed to air quality; however, there are many goals in the TIP. Ms. Bauer suggested having a member of the MAG Transportation Division speak at the October Air Quality Technical Advisory Committee meeting regarding the TIP Process. Mr. Powell stated that he was in favor of MAG staff organizing a presentation.

Mr. Berry made a motion to forward the evaluation of proposed CMAQ projects for the FY 2008-2012 MAG TIP to the TRC and modal committees for use in prioritizing projects for only the projects that have a cost-effectiveness of \$100,000/metric ton or less. Ms. Knight stated that the Committee typically forwards the entire evaluation and it may be outside the purview of the Committee to only select the projects with a cost-effectiveness of \$100,000/metric ton or less. Mr. Berry indicated that the Committee could forward the entire evaluation, but strongly recommend only the projects with a cost-effectiveness of \$100,000/metric ton or less. Ms. Knight indicated that it is important to forward the entire evaluation.

Mr. Hyde requested that the motion be amended to recommend projects with a cost-effectiveness of \$200,000/metric ton or less. Mr. Berry indicated that he did not object to amending the motion. Ms. Knight clarified that the motion would be to forward the entire evaluation of proposed CMAQ projects for the FY 2008-2012 MAG TIP to the TRC and modal committees for use in prioritizing projects and strongly recommend only the projects that have a cost-effectiveness of \$200,000/metric ton or less.

Wienke Tax, Environmental Protection Agency, asked if the amount of CMAQ funds requested equals the amount available for each table. Ms. Bauer replied that the amount of CMAQ funds requested exceeds the amount available.

Mr. Berry commented that if the TRC only recommended the projects with a cost-effectiveness of \$200,000/metric ton or less, there may be funds remaining for more cost-effective PM-10 projects. Ms. McGennis seconded the motion.

Brian O'Donnell, Southwest Gas Corporation, stated that some of the projects that help move traffic have a cost-effectiveness of greater than \$200,000/metric ton. He mentioned that he is in favor of projects that move traffic. Mr. Berry stated that if the emission reductions are small, the project would likely not result in moving much traffic. Mr. Tveit commented that it is difficult to draw the line at a specific cost-effectiveness. He stated that a project could have a big impact on PM-10, but be very expensive. Antonio DeLaCruz, City of Surprise, expressed concern about the motion. He stated that Surprise has requested CMAQ funds for projects that are critical to the City and that the cities may be funding portions of the projects. Ms. Knight mentioned that air quality is one of many missions for the cities.

Mr. Kukino commented that the earlier motion sends a message to the TPC. He asked if the Committee needs to take action today. Ms. Knight replied that action is necessary today due to the timeline for the agenda item. Mr. Giles added that the MAG Intelligent Transportation Systems Committee is scheduled to meet October 4, 2006.

Mr. Berry commented on the importance of the cost-effectiveness of a project. Ms. Knight mentioned that the cost-effectiveness is included on the tables and that the projects are prioritized in order of cost-effectiveness. Mr. Berry stated that the motion does not preclude the TRC or modal committees from recommending other projects.

Larry Person, City of Scottsdale, stated that the second motion contradicts the first motion that passed. He referred to the PM-10 emission reductions column in Table Two. Mr. Person mentioned that many of the projects with PM-10 emission reductions have a cost-effectiveness greater than \$200,000/metric ton. He commented that the motion is going in the wrong direction. Ms. Knight called for a vote on the motion to forward the entire evaluation of proposed CMAQ projects for the

FY 2008-2012 MAG TIP to the TRC and modal committees for use in prioritizing projects and strongly recommend only the projects with a cost-effectiveness of \$200,000/metric ton or less. The motion failed.

Mr. Kukino made a motion to forward the evaluation of proposed CMAQ projects for the FY 2008-2012 MAG TIP to the TRC and modal committees for use in prioritizing projects. Betsy Turner, Valley Metro, seconded, and the motion carried unanimously.

Mr. Person commented that all of the Air Quality Projects in Table One of the Attachment would all be funded with the amount of CMAQ funding available. He made a motion to forward Table One that includes a priority ranking of Air Quality Projects to the TRC based on PM-10 reductions rather than cost-effectiveness. Mr. O'Donnell seconded, and the motion carried with Ms. Turner voting no.

5. Evaluation of Proposed PM-10 Paving Unpaved Road Projects for FY 2008 and 2009 CMAQ Funding

Mr. Giles presented the evaluation for proposed PM-10 Paving Unpaved Road Projects for emission reductions and corresponding cost-effectiveness for FY 2008 and FY 2009 CMAQ funding. He indicated that a revised table was at each place that includes a correction made by the City of Litchfield Park for FY 2008 CMAQ funds requested of \$530,979 and the cost-effectiveness. Mr. Giles stated that the deadline for submitting projects was September 8, 2006. He mentioned that four projects requesting approximately \$4.5 million were received for FY 2008 and four projects requesting approximately \$4.1 million were received for FY 2009. Mr. Giles added that a local cash match of 30 percent is required.

Mr. Giles stated that the Regional Transportation Plan assumes the annual paving of at least ten miles of unpaved roads for emission reduction credit for conformity. He indicated that the FY 2007-2011 MAG TIP identifies \$2,000,000 in FY 2008 and \$3,500,000 in FY 2009 CMAQ funding for Paving Unpaved Road Projects.

Ms. Tax asked if the ten miles of paving unpaved roads assumed for conformity is for one year. She commented that the table does not include ten miles for FY 2008. Cathy Arthur, Maricopa Association of Governments, replied that the assumption is ten miles per year after the attainment date of 2006. Ms. Knight stated that the cities also pave roads using local funds.

Mr. O'Donnell commented that the air moves from southwest to northeast. He inquired about the impact of a Surprise project to pave unpaved roads west of 219<sup>th</sup> Avenue. Ms. Knight responded that the project is within the PM-10 Nonattainment Area. Jo Crumbaker, Maricopa County Air Quality Department, stated that PM-10 is a localized problem and that paving unpaved roads will impact the public that lives in that area. Ms. Crumbaker mentioned that under stagnant conditions, PM-10 does travel further. The winter readings of PM-10 follow the carbon monoxide pattern. She stated that it may be associated with a very low diffusion break that results from the inversion in the winter. Mr. Giles stated that MAG received two applications from the City of Surprise, one in each fiscal year. He added that the Surprise project to pave roads west of 219<sup>th</sup> Avenue is bound by roads with high traffic volume.

Mr. Hyde commented on the shortfall of \$3.1 million between the amount of CMAQ funds requested and the amount available. He suggested funding all of the projects by using \$3.1 million from the

other categories. Mr. Berry commented that paving unpaved roads and street sweeping are some of the more effective things that can be done to address the PM-10 problem. He added that more clarity on the issue should be given as the projects move forward. Ms. Knight commented on the timing.

Mr. Hyde commented on an Avondale bicycle and pedestrian project for \$6.3 million. Mr. Giles replied that the Avondale project is for FY 2012. The paving unpaved roads projects presented under this agenda item are for FY 2008 and FY 2009.

Mr. Berry made a motion to forward to the TRC the proposed PM-10 Paving Unpaved Road Projects for FY 2008 and FY 2009 CMAQ funding and encourage the TRC to find funding for all of the projects. Mr. DeLaCruz seconded, and the motion carried unanimously.

6. Evaluation of Proposed PM-10 Certified Street Sweeper Projects for FY 2007 CMAQ Funding

Mr. Giles presented the evaluation of the proposed PM-10 Certified Street Sweeper Projects for FY 2007 CMAQ funding. Twelve projects requesting approximately \$1.95 million in federal funds were received. The FY 2007 Unified Planning Work Program and FY 2007-2011 MAG TIP contain \$1.44 million in FY 2007 CMAQ funding for the purchase of PM-10 certified street sweepers. Mr. Giles indicated that project requests were due by September 8, 2006 and that a minimum local match of 5.7 percent is required. He stated that the projects are listed in order of cost-effectiveness. Mr. Giles added that the Mesa and Gilbert (#2) projects are within one-half mile of a PM-10 monitor. He mentioned that the first eight street sweeper projects would be funded with the \$1.44 million FY 2007 CMAQ funding available.

Mr. Kukino made a motion to recommend the prioritized list of proposed PM-10 Certified Street Sweeper Projects for FY 2007 CMAQ funding and to retain the prioritized list for any additional FY 2007 CMAQ funds that may become available due to year-end closeout, including any redistributed obligation authority, or additional funding received by this region. Lucky Roberts, Town of Buckeye, seconded the motion.

Mr. Berry inquired about the cost variance among the street sweeper projects. Mr. DeLaCruz discussed the different types of street sweepers. Mr. Giles added that the South Coast Air Quality Management District has a list of 53 street sweepers with a wide variety of features and costs that could be selected by member agencies. Mr. Hyde commented on recommending that all street sweeper projects be funded now. Ms. Knight called for a vote on the motion, which passed with Ms. McGennis, Mr. Berry, Mr. Hyde, and Mannie Carpenter, Valley Forward, voting no.

7. Call for Future Agenda Items

Ms. Knight announced that the next meeting of the Committee is tentatively scheduled for October 26, 2006. Ms. Tax mentioned that at the June 29, 2006 meeting, there was a request for a future agenda item on how the Committee functions. She asked that the Committee have a future agenda item to look at the structure of the Committee and how it works. Ms. Bauer asked if the agenda item would be to discuss how a recommendation moves forward and is considered. Ms. Tax added that the presentation should also include how the Committee structure works. She commented on an Air Quality Technical Advisory Committee recommendation that was changed as it moved forward. Mr. Berry stated that there should be a presentation and discussion on the topic. He also mentioned that there needs to be air quality advocacy on the committees that review a recommendation made by the Air Quality Technical Advisory Committee.

Ms. Knight mentioned that Ms. McGennis also requested a future agenda item. Ms. McGennis stated that she would like to give a presentation on two dust suppressant demonstrations. With no further comments, the meeting was adjourned.