

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

Thursday, October 3, 2002  
MAG Office  
Phoenix, Arizona

MEMBERS PRESENT

- \*Stephen Cleveland, City of Goodyear, Chairman
  - Avondale: Michael Powell
  - Chandler: Jim Weiss
  - \*Gilbert: Danielle Typinski
  - Glendale: Doug Kukino
  - Mesa: Christine Zielonka
  - Phoenix: Joe Gibbs for Gaye Knight
  - Scottsdale: Larry Person
  - \*Surprise: Robert Zobel
  - \*Tempe: 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: Susan Szabo for Scott Davis
  - \*\*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
  - \*Associated General Contractors: David Martin
  - \*Homebuilders Association of Central Arizona: Connie Wilhelm-Garcia
  - American Institute of Architects - Central Arizona: Stephen J. Andros for H. Maynard Blumer
  - \*Valley Forward: Peter Allard
  - University of Arizona - Cooperative Extension: Patrick Clay
  - Arizona Department of Transportation: Pat Cupell
  - Arizona Department of Environmental Quality: Mohan Toopal for Peter Hyde
  - Maricopa County Environmental Services Department: Renee Kongshaug for Jo Crumbaker
  - \*Arizona Department of Weights and Measures: Mark Ellery
  - Federal Highway Administration: Dennis Mittelstedt
  - \*Arizona State University: Judi Nelson
  - Salt River Pima-Maricopa Indian Community: Stan Belone for B. Bobby Ramirez
  - \*Citizen Representative: David Rueckert
  - \*Greater Phoenix Chamber of Commerce: Heidi Koopman
- \*Members neither present nor represented by proxy.  
\*\*Participated via telephone conference call.

OTHERS PRESENT

Ruey-in Chiou, Maricopa Association of Governments  
Roger Roy, Maricopa Association of Governments  
Dean Giles, Maricopa Association of Governments  
Scott DiBiase, Maricopa Association of Governments  
Paul Ward, Maricopa Association of Governments  
Lindy Bauer, Maricopa Association of Governments  
Jean Parkinson, Pinal County Air Quality Control District  
Jennifer Orlando, Arizona State University  
Susie Stevens-Matthews, Stevens & Leibow  
Susan Tierney, Valley Metro  
Randi Alcott, Valley Metro  
Charlie Stevens, Stevens & Leibow

1. Call to Order

A meeting of the MAG Air Quality Technical Advisory Committee was conducted on October 3, 2002. Larry Person, City of Scottsdale, Acting Chairman, called the meeting to order at approximately 1:35 p.m. Gina Grey, Western States Petroleum Association, attended the meeting by teleconference.

2. Approval of the July 10, 2002 Meeting Minutes

The Committee reviewed the minutes from the July 10, 2002 meeting. Christine Zielonka, City of Mesa moved, and Jim Weiss, City of Chandler seconded, and the motion to approve the July 10, 2002 meeting minutes carried unanimously.

3. Evaluation of Proposed PM-10 Certified Street Sweeper Projects for FY 2003 CMAQ Funding

Dean Giles, Maricopa Association of Governments, presented an evaluation of proposed PM-10 certified street sweeper projects for FY 2003 Congestion Mitigation and Air Quality (CMAQ) Improvement Program funding. He noted that this was the third year CMAQ funding has been provided for PM-10 efficient street sweepers. PM-10 efficient street sweepers are a control measure in the Revised Serious Area PM-10 Plan for reducing particulates that become airborne from vehicles traveling on paved roads.

Mr. Giles mentioned that the attainment date in the Plan is December 31, 2006. However, exceedances of the PM-10 standard continue to be recorded at monitors in the Valley. To address dust on paved roads, the FY 2003-2007 MAG Transportation Improvement Program contains \$1,460,000 in FY 2003 CMAQ funding to purchase PM-10 efficient street sweepers. He indicated that the purpose of the CMAQ program is to fund projects and programs in nonattainment and maintenance areas that assist in achieving air quality standards.

Mr. Giles mentioned that 21 sweeper projects were received requesting approximately \$3 million in FY 2003 CMAQ funding. MAG conducted an evaluation of the sweeper projects for emissions reductions and cost-effectiveness based on the CMAQ Methodology. He noted that the results of the evaluation are provided in the table in order of total cost-effectiveness.

Mr. Giles informed the Committee that in terms of cost-effectiveness, ten of the eleven sweeper projects submitted by the City of Phoenix would be funded. A combination of sweeping cycle, lane miles swept, and traffic volumes on arterial and collector routes contribute to the high ranking. He indicated that a portion of the service area to be swept by the Phoenix sweeper projects is within the Salt River Monitor Site study area as illustrated by the Salt River study area map produced by the Arizona Department of Environmental Quality (ADEQ).

Mr. Weiss indicated that based on the project evaluation, the City of Phoenix has the lion's share of the projects. He mentioned that the Committee may need to rethink the process to include smaller communities like Youngtown, Apache Junction, and Litchfield Park. Mr. Weiss noted that in

previous years each jurisdiction received one street sweeper prior to receiving a second sweeper and consideration should be given for using the same approach this year.

Joe Gibbs, City of Phoenix, replied that the City's intent is to replace all remaining conventional sweepers with PM-10 efficient sweepers. In addition, he noted that the sweepers will be servicing an area that includes the Salt River monitor where exceedances are still recorded. This sends a clear message to address the Salt River monitor area which is the subject of the Environmental Protection Agency (EPA) State Implementation Plan "SIP call". Ms. Zielonka indicated that it would send an inappropriate message by ranking the projects based on monitor location and gave support to an approach for allocating one sweeper to each agency.

Lindy Bauer, Maricopa Association of Governments, indicated that the MAG evaluation reflects the air quality technical analysis with the sweepers ranked in order of cost-effectiveness. Mr. Gibbs indicated that consideration should also be given to the southeast Valley particularly around the Higley monitor. Doug Kukino, City of Glendale, noted that he would like to see an approach that allowed for a more open process. Michael Powell, City of Avondale, mentioned that Youngtown and Litchfield Park have old sweepers that should be replaced. He mentioned that the number of lane miles in the formula would be a disadvantage to smaller communities.

Mr. Gibbs indicated that the areas to be served by the sweeper requests submitted by the City of Phoenix represent the areas with the highest levels of particulates. Ms. Zielonka suggested that if Phoenix wished to sweep to the monitor, a request for one or two sweepers to address the issue would be reasonable. Mr. Kukino mentioned he would like to pursue a balanced approach. Mr. Person asked about which criteria to apply that would make the results more fair.

Bryan Jungwirth, Valley Metro, mentioned that since there continue to be exceedances of the PM-10 standard, the most cost-effective projects should be funded and suggested the break be at the cost-effectiveness level of \$222. He requested any clarifications on the PM-10 issue. Ms. Bauer responded that there is a problem with PM-10 in the Salt River Monitor Study Area and that since CMAQ funding is being used, emission reductions and cost-effectiveness are important considerations. Mr. Gibbs indicated that funding projects should be based on where it does the most good and this would include Chandler, Gilbert, and Tempe.

Mr. Kukino made a recommendation to forward a prioritized list of proposed PM-10 certified street sweeper projects for FY 2003 CMAQ funding to include: (1) Phoenix, (2) Chandler, (3) Paradise Valley, (4) Tempe, (5) Gilbert, (6) Phoenix, (7) Phoenix, (8) Phoenix, and, (9) Phoenix and retain the prioritized list for any additional FY 2003 CMAQ funds that may become available due to year-end closeout, including any redistributed obligation authority, or additional funding received by this region from the Revenue Aligned Budget Authority provisions. Mr. Jungwirth seconded and the motion passed with Mr. Powell abstaining. Mr. Weiss inquired about the chances for additional funding. Paul Ward, Maricopa Association of Governments, responded that the best opportunity for additional funding is during the Transportation Improvement Program federal funding closeout process. Ms. Zielonka asked if sweepers could be shared among jurisdictions in the southwest Valley.

Dennis Mittelstedt, Federal Highway Administration, mentioned that there is an argument for street sweepers but that paving dirt roads should also be kept in mind. Mr. Powell asked if there was a measure used by the federal government for cost-effectiveness of street sweepers. He suggested that additional funding be allocated for sweeper projects. Mr. Kukino requested that MAG look at criteria used to evaluate street sweepers.

Ms. Grey noted that none of the street sweeper projects have included alternative fuels. She questioned if the CMAQ methodology included quantifying alternative fuels including the use of ultra low sulfur diesel with or without diesel particulate traps. Mr. Giles responded that the methodology used to evaluate street sweepers projects does include quantification for alternative fuel use. Dave Berry, Arizona Motor Transport Association, noted that in terms of cost-effectiveness, the efficient sweeper is more important than the alternative fuel. Ms. Zielonka inquired about the next step for the prioritized street sweepers recommendation. Ms. Bauer replied that the recommendation for the prioritized list of PM-10 street sweepers would go to the Management Committee.

4. Salt River Monitoring Site Air Quality Study

Lindy Bauer, Maricopa Association of Governments, provided a status report on the Salt River Monitoring Site Air Quality Study. She distributed information to the Committee showing 24-hour average PM-10 values for the Salt River Study for the period from May 2 to August 30, 2002. In addition, information on the 2001 Violation of the Annual Particulate Standard was provided.

Ms. Bauer asked if there was any new information on the Salt River Study. Renee Kongshaug, Maricopa County Environmental Services Department, indicated that additional information will be available as the study progresses.

5. Lawsuit on Serious Area Particulate Plan for PM-10

Lindy Bauer, Maricopa Association of Governments, briefed the Committee about the lawsuit on the Serious Area Particulate Plan for PM-10. She indicated that the Arizona Center for Law in the Public Interest (Center) has challenged the Environmental Protection Agency approval of the Plan. The likely issues to be raised by the Center are California Air Resources Board (CARB) diesel fuel and stringent agricultural measures.

Ms. Bauer reported that if the lawsuit results in the U.S. Ninth Circuit Court of Appeals vacating the plan approval, two-to-one offsets would begin immediately for major industries. In five months highway sanctions may be imposed resulting in loss of federal highway funds, a stop could be placed on major transportation projects, and an EPA plan could be imposed if the situation is not remedied. Ms. Bauer also presented a lawsuit timeline and mentioned that issues regarding the lawsuit were discussed at the Transportation Policy Committee retreat. She indicated that possible future actions may include Arizona legislation to allow CARB diesel, legislation or ADEQ action to permit more stringent agricultural measures, and Congressional relief.

Mr. Kukino inquired about the stringency between federal clean diesel and CARB diesel and the phase-in period for federal clean diesel. Ms. Bauer responded that federal clean diesel fuel is cleaner in some ways and will be phased in during the 2006-2007 timeframe. Mr. Gibbs asked for clarification on why the two-to-one offsets would occur instantly. Ms. Bauer noted that the sanction clock had been previously activated, the last time in March 2000.

Mr. Jungwirth asked if MAG had ever supported CARB diesel fuel or should the Committee make a recommendation. Ms. Bauer replied that the MAG 1999 Brown Cloud Project contained a clean burning diesel fuel measure and that MAG had testified on behalf of clean burning diesel fuels to improve visibility. The MAG 1999 Brown Cloud Project was approved by the Regional Council in December 1999. Jeannette Fish, Maricopa County Farm Bureau, noted that EPA Region IX indicated that CARB diesel would not help the PM-10 problem. Ms. Grey mentioned that the big difference in the fuel is sulfur content and that California may revise CARB diesel or just accept federal clean diesel. Mr. Berry added that by comparison, the federal clean diesel will result in less emissions than today's natural gas powered buses.

6. Maricopa County Vehicle Idling Ordinance

Renee Kongshaug, Maricopa County Environmental Services Department, gave a presentation on the Maricopa County Vehicle Idling Restriction Ordinance. Ms. Kongshaug indicated that the Governor's Brown Cloud Summit recommendations included the establishment of a diesel idling ordinance in counties contained within Area A. A Vehicle Idling Restriction Ordinance was estimated to reduce PM-2.5 and NOx emissions by 71 and 1,051 metric tons per year, respectively.

Ms. Kongshaug noted that House Bill 2538 required the development, implementation, and enforcement of a vehicle idling ordinance for heavy-duty diesel engines by July 1, 2002. She mentioned that following two stakeholder meetings in February and March 2002, the Maricopa County Board of Supervisors passed the Maricopa County Vehicle Idling Restriction Ordinance on June 26, 2002. Ms. Kongshaug reviewed provisions of the ordinance including exemptions, outreach and education, and alternatives to idling.

Chris Janek, Salt River Project, asked if small business owners had been educated on the ordinance. Ms. Kongshaug replied that Maricopa County will be educating the public through a brochure, by posting information on the internet, and through continuing outreach to the community. In addition, one employee will be hired for outreach when the budget allows.

Mr. Kukino asked if Texas and New York have program enforcement. Ms. Kongshaug responded that in New York, parking enforcement officials have authority to issue violations. Mr. Berry noted that one-third of the states now have idling restrictions. Brian O'Donnell, Southwest Gas Corporation, inquired how the penalties for the program were established. Ms. Kongshaug replied that violators are subject to a \$100 civil penalty on the first violation and \$300 civil penalty on the second and subsequent violations. She indicated that the penalties were discussed at the Governor's Brown Cloud Summit and incorporated into HB 2538.

7. Valley Telework Update

Susan Tierney, Valley Metro, presented a progress report on the Valley Telework Project. She stated that the purpose of the project was to assist local employers with developing effective telework programs that help to reduce trips, manage employee productivity, and help balance work and life priorities. Ms. Tierney indicated that an estimated 107,000 employees telework daily in the Valley. She highlighted several of the local initiatives and outreach activities and noted that the Project assisted 28 organizations in 2001 and 2002, including city employees in Glendale, Mesa, and Scottsdale.

Ms. Tierney mentioned that the Valley Telework Project offers expert assistance to establish telework programs including, design and implementation of the program, development of policies and agreements, marketing to management, sample documents and tools, case studies, an assessment of technology component, training sessions, focus groups, and program evaluation. She mentioned that Valley Metro is considering applicants for the 2003 Pilot Program.

8. 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.

9. Call for Future Agenda Items

Mr. Person indicated the next meeting of the Committee is tentatively scheduled for November 7, 2002, if necessary.

Mr. Gibbs noted that the tenth Phoenix sweeper project lacked \$13,000 in CMAQ funds and requested clarification. Ms. Zielonka requested that an update on the lawsuit be provided at the next meeting. In addition, Mr. Jungwirth requested an update from staff on any legislative issues.