

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

Thursday, January 30, 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: Collum Hunter for Christine Zielonka  
Phoenix: Gaye Knight  
Scottsdale: Larry Person  
\*Surprise: Robert Zobel  
\*Tempe: Tom Moore  
\*Citizen Representative: Walter Bouchard  
\*Arizona Lung Association: David Feuerherd  
Salt River Project: Wendy Crites for Chris Janick  
Southwest Gas Corporation: Brian O'Donnell  
\*Arizona Public Service Company: 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  
\*Greater Phoenix Chamber of Commerce: Heidi  
Koopman

\*Associated General Contractors: David Martin  
\*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 for Mark Ellery  
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

Bill Kicksey, Maricopa County  
Phil Cummings, Maricopa County  
Ruey-in Chiou, Maricopa Association of  
Governments  
Roger Roy, Maricopa Association of Governments  
Dean Giles, Maricopa Association of  
Governments  
Mary Jo Pitzl, Arizona Republic  
Susie Stevens, Stevens & Stevens, P.C.  
Marge Murphy, Citizen

Lindy Bauer, Maricopa Association of Governments  
Theresa Pella, Arizona Department of  
Environmental Quality  
Jean Parkinson, Pinal County Air Quality Control  
District  
Susan Tierney, Regional Public Transportation  
Authority  
Randi Alcott, Regional Public Transportation  
Authority

1. Call to Order

A meeting of the MAG Air Quality Technical Advisory Committee was conducted on January 30, 2003. Stephen Cleveland, City of Goodyear, Chairman, called the meeting to order at approximately 1:30 p.m. Gina Grey, Western States Petroleum Association, attended the meeting via telephone conference call.

2. Approval of the November 7, 2002 Meeting Minutes

The Committee reviewed the minutes from the November 7, 2002 meeting. Brian O'Donnell, Southwest Gas Corporation, moved and Jim Weiss, City of Chandler, seconded and the motion to approve the November 7, 2002 meeting minutes carried unanimously.

3. Scope of Work Change for the RPTA Telework Outreach Program

Randi Alcott, Regional Public Transportation Authority, gave a presentation on the scope of work change for the Regional Public Transportation Authority (RPTA) Telework Outreach Program. Ms. Alcott mentioned that the demand for Valley Telework Program services has declined significantly in the past year and there is a need to launch an aggressive Ozone Education Program this Summer due to the forecasting of the new 8-hour ozone standard. Ms. Alcott indicated that the Telework Outreach Program has been successful. However, demand for the Program services has declined. She mentioned that the poor economy appeared to be the current reason for lack of interest.

Ms. Alcott informed the Committee that the Environmental Protection Agency (EPA) has encouraged the Arizona Department of Environmental Quality (ADEQ) to start forecasting for the new 8-hour ozone standard. She stated that based on monitor data from 2002, an estimated 40 or more High Pollution Advisories could be called between April 1 and September 30, 2003. Ms. Alcott noted that the 2003 Ozone Campaign plans include seeking the Governor's support to solicit business and community participation.

Michael Powell, City of Avondale, inquired about the Program since Avondale already provides High Pollution Advisory notification to city employees. Ms. Alcott responded that RPTA will be providing a number of incentives and marketing elements through this year's Ozone Education Program. Dave Berry, Arizona Motor Transport Association, asked about the source of funding. Ms. Alcott replied that the Congestion Mitigation and Air Quality (CMAQ) funding is through the MAG process.

Ms. Grey asked about the promotional materials (e.g. when to refuel) and whether the materials would be related to the Telework Program. Ms. Alcott responded that all measures will be reviewed, not just those related to Telework. Mr. Berry asked if the Program was only for Maricopa County. Ms. Alcott indicated that ADEQ would be better suited to respond to the question.

Mr. O'Donnell moved, and Bryan Jungwirth, Valley Metro/Regional Public Transportation Authority, seconded to recommend an amendment to the FY 2003 MAG Unified Planning Work Program and FY 2003-2007 MAG Transportation Improvement Program to use \$160,000 from the

Telework Outreach Program for an Ozone Education Program conducted by the Regional Public Transportation Authority.

Mr. Berry inquired how effective the Ozone Education Program was in reducing emissions. He indicated that the project should compete with other projects for CMAQ funding. Mr. Jungwirth noted that the rubberized asphalt freeway paving projects did not compete and go back through the process. Mr. Berry noted that with limited resources, the Committee has to be concerned with getting the most air quality benefit.

Marge Murphy, Citizen, indicated that she represented Sun City. She expressed her concern about air pollution generated by diesel-powered trucks and dust from mining operations in the Agua Fria riverbed. Ms. Murphy indicated that industry is growing rapidly in the Sun City area. She noted that she is director of a homeowners association in Sun City. Mr. Cleveland suggested that Ms. Murphy talk to Jo Crumbaker, Maricopa County Environmental Services Department, about her concerns.

Mr. Cleveland summarized the issues before the Committee. He noted that the Ozone Education Program did not compete for CMAQ funding and that previous funding for park-and-ride facilities has been shifted to fund rubberized asphalt freeway paving projects. Mr. Cleveland called for the vote. The motion carried with Dave Berry and Jeannette Fish, Maricopa County Farm Bureau, voting "No".

4. Status Report on the PM-10 Air Quality Lawsuit

Lindy Bauer, Maricopa Association of Governments, provided the Committee with a status report on the Arizona Center for Law in the Public Interest lawsuit which challenges the EPA approval of the Revised MAG 1999 Serious Area Particulate Plan for PM-10 for the Maricopa County Nonattainment Area. On December 19, 2002, the EPA filed its brief in defense of the Serious Area PM-10 Plan. Ms. Bauer reviewed the main arguments in the EPA brief, including: the Serious Area PM-10 Plan has Best Available Control Measures and Most Stringent Measures for onroad and nonroad engines; the Plan provides for Best Available Control Measures and Most Stringent Measures for agriculture; and the extension of the attainment date was appropriately granted.

Ms. Bauer indicated that the American Trucking Associations, Incorporated filed a "friend of the court" brief in support of the EPA. The American Trucking Associations' brief concludes that the Serious Area PM-10 Plan properly excludes California Air Resources Board (CARB) diesel as a Most Stringent Measure. The main arguments in the brief include: the cost of CARB diesel renders it an infeasible control measure; expected particulate matter reductions will not happen since refueling would likely occur outside the nonattainment area; there may not be an adequate supply of CARB diesel for the area; and there could be a detrimental impact upon interstate and local trucking companies through decreased competition for fuel refining; and there could be an uneven playing field for trucking companies. Ms. Bauer presented an update on the lawsuit timeline. A possible court decision may be forthcoming in July 2003.

5. Salt River Monitoring Site Air Quality Study

Theresa Pella, Arizona Department of Environmental Quality, presented an update on the Salt River Monitoring Site Air Quality Study. The EPA issued a final rule on July 2, 2002 finding the State Implementation Plan (SIP) inadequate for the Salt River Monitoring Site and issuing a SIP “call” to correct the inadequacy. Ms. Pella informed the Committee that ADEQ and Maricopa County were underway on completing field work to find out what types of sources are contributing to violations at the Salt River monitoring site.

Ms. Pella indicated that when the emissions inventory is completed, a stakeholder meeting will be scheduled to begin analysis of control measure options. Ms. Pella noted that the SIP will be out for public review in the November time period and it is anticipated that ADEQ will submit the SIP revision to EPA in December 2003.

Jo Crumbaker distributed a graph with the 24-hour average PM-10 values for the Salt River Study Sites between May 2, 2002 and December 31, 2002. Ms. Crumbaker indicated that the graph depicts raw PM-10 readings for the Durango, Salt, South Phoenix, and West 43<sup>rd</sup> monitoring sites in micrograms per cubic meter. She mentioned that the 24-hour PM-10 standard is 150 micrograms per cubic meter.

Mr. Berry inquired about the location of the Durango Site. Ms. Crumbaker responded that the monitor is located in the Maricopa County Flood Control Complex. Ms. Crumbaker noted that the County has not yet analyzed the data and will be interpreting the data over the next two months. Mr. Berry asked about the annual PM-10 standard and if the exceedances are related to construction dust. Ms. Crumbaker replied that the annual PM-10 standard is 50 micrograms per cubic meter and that the annual standard continues to have exceedances.

Ms. Crumbaker explained that it is difficult to correlate construction dust to exceedances of the standard since other monitors three to four miles away may be recording exceedances of the standard as well. Generally it is a function of how close the dust source is to the monitor. Mr. Berry asked about the height of the monitor from ground level. Peter Hyde, Arizona Department of Environmental Quality, responded that the height of the monitor is ten to twelve feet above the ground and may be elevated on a platform.

Mr. Hyde asked if the data will reflect 24-hour average filtered weighings once every three days. Ms. Crumbaker replied this was correct. Gaye Knight, City of Phoenix, indicated that it was her understanding that PM-10 data generally is collected once every six days, but that for this study it is being collected once every three days. Ms. Crumbaker indicated that both standards are a three year average and data is being collected once every one or two days per week.

Ms. Knight asked if the stakeholders were to agree to new measures in the Salt River study, would the measures be required across the entire nonattainment area. Ms. Crumbaker affirmed that the measures would apply to the nonattainment area. Ms. Knight inquired that if chip sealing alleys were selected for the Salt River study as a measure, would it mean that stakeholder discussion needs to include other Valley cities.

Ms. Pella confirmed that control measures required for the Salt River study need to be Best Available Control Measures (BACM) and Most Stringent Measures (MSM). She noted that if a control measure is deemed BACM in the Serious Area PM-10 Plan, that this plan does not have to redetermine BACM. Ms. Pella mentioned that BACM applies to same sources throughout the nonattainment area. Ms. Knight asked that if the study results indicate that additional measures were needed for the rock and gravel industry, then these would apply in the nonattainment area. Ms. Pella replied that this would generally be the case. Collum Hunter, City of Mesa, asked if rock and gravel industries located on tribal lands would be exempt. Ms. Pella responded that Indian communities would be exempt.

6. 8-Hour Ozone Standard Area Designations

Ms. Pella briefed the Committee that the Arizona Department of Environmental Quality conducted a stakeholder meeting on January 7, 2003 to discuss the 8-hour ozone standard designations for the State. She mentioned that EPA promulgated the 8-hour ozone standard since it is a better indicator of the ozone impact on human health. The EPA has agreed in a negotiated schedule to promulgate air quality designations for the 8-hour ozone standard by April 15, 2004.

Ms. Pella indicated that States have been requested to provide EPA with designation recommendations and air quality documentation for the 8-hour ozone standard for all areas within the State by April 15, 2003. She noted that ADEQ is working on technical analysis and would be coming back to the stakeholders in March 2003 to determine if there should be a 8-hour ozone nonattainment area and how large it would be. She added that a consensus recommendation would be forwarded to Governor Napolitano. Ms. Pella mentioned that there is a request to defer the April 15, 2003 deadline so that details about how EPA proposes to implement the 8-hour ozone standard can be more fully understood. Proposed guidance may be available by Summer 2003.

Ms. Pella indicated that the air quality documentation accompanying the State's designation recommendation will include ozone monitoring data for 2000, 2001, and 2002 with an option of using 2003. She mentioned that if 2003 is a good year, there is a slight chance that this area could be classified attainment. Mr. Powell asked if the violations of the 8-hour ozone standard are occurring inside or outside the 1-hour ozone nonattainment area. Ms. Pella replied that the violations are at monitors just outside the 1-hour ozone nonattainment boundary. Ms. Pella noted that she would prepare a map of the monitor locations and include the 1-hour ozone nonattainment area boundary.

Mr. Cleveland asked how many ozone advisories are anticipated in 2003. Ms. Pella responded that when ozone levels are forecast to be over 80 parts per billion, an advisory would be issued. She noted, for example, that for last year nearly 40 High Pollution Advisories would have been issued. In addition, ADEQ has extended the forecasting period to include the month of April since monitor data from 2002 shows the area had an exceedance during that time period. Also, under the 8-hour ozone standard, there could potentially be more multi-day advisories. Again, using last year's monitoring data as an example, we would have issued five to seven consecutive High Pollution

Advisories. Ms. Pella mentioned that the challenge during consecutive High Pollution Advisories will be to prevent the public from thinking we are “crying wolf”.

Mr. Powell inquired about the benefits of the Early Action Compacts. Ms. Pella responded that the Early Action Compact would not have been to the region’s advantage and would have required additional resources. Ms. Murphy asked why industries are not being monitored near residential areas. Ms. Grey added that the region may want to pursue an Early Action Compact as the State develops the 1-hour ozone maintenance plan in 2003 for submission to EPA. Ms. Bauer indicated that the 8-Hour Ozone Early Action Compact is included in the MAG Work Program and EPA could be requested to parallel process the plans in case the parties agree to proceed.

7. Draft FY 2004 MAG Unified Planning Work Program

Ms. Bauer provided an overview of the Draft Air Quality Projects for the MAG FY 2004 Work Program. She informed the Committee that there are no new air quality projects on the list. MAG air quality staff are working on the maintenance plans and redesignation to attainment for carbon monoxide and ozone. Ms. Grey requested a copy of the handout distributed to the Committee.

Ms. Bauer reviewed all projects with the Committee that included the Carbon Monoxide Maintenance Plan (MOBILE6), Ozone Maintenance Plan (MOBILE6), Regional Haze Planning, 8-Hour Ozone Standard Planning, CMAQ/Models3 for Ozone Modeling (8-Hour Standard), Conformity, Regional Emissions Analysis for Project-Level Conformity, Emission Reduction Assessment for CMAQ Projects, and the Evaluation of PM-10 Street Sweeper Projects for CMAQ Funds. She mentioned that the MAG FY 2004 Work Program did not include any new environmental staff.

Ms. Bauer noted that previously, the modeling had been completed on the Carbon Monoxide Maintenance Plan. However, news of the Governor’s proposed budget required removing one of the maintenance measures and remodeling since funding was uncertain. Mr. Berry indicated that agencies need to think carefully about how funding is removed for air quality measures that provide a cushion in the Plan. He proposed that for the next meeting, we prepare a statement or resolution for the Governor and Arizona Legislature concerning the consequences of not having dedicated funding sources for air quality measures. Mr. Cleveland asked that MAG staff begin a draft and for Mr. Berry and other Committee members to assist, if interested. Mr. Cleveland indicated that this will be important to present to the Legislature.

Ms. Knight requested clarification on the project “Evaluation of PM-10 Street Sweeper Projects for CMAQ Funds”. Ms. Bauer replied that this project is when MAG evaluates submitted street sweeper projects. Mr. O’Donnell asked if a PM-10 maintenance plan would assist in the lawsuit. Ms. Bauer indicated that PM-10 is a different situation altogether. Mr. Powell asked if the Air Quality Project list would be adjusted to add the Ozone Project. Ms. Bauer replied that the adjustment would be made in the Work Program and the intent is to shift funding between Telework and the Ozone Programs in the future.

Mr. Powell inquired about the purpose of the Arizona Department of Administration Travel Reduction Program. Ms. Bauer mentioned that the Travel Reduction Program encourages state employees to use alternative modes of transportation through education, promotion, and incentives. Ms. Bauer requested comment on the Draft Air Quality Projects for MAG FY 2004 Work Program.

8. Maricopa County Trip Reduction Program 2002 Annual Report

Bill Kicksey, Maricopa County, presented highlights from the Maricopa County Trip Reduction Program 2002 Annual Report. The Maricopa County Trip Reduction Program is designed to improve air quality by reducing single occupant vehicle trips to the workplace. The program is funded by the Maricopa Association of Governments and the Arizona Department of Environmental Quality. Mr. Kicksey that the Trip Reduction Program (TRP) has been in place since 1988 and originally targeted employers with 100 or more employees. The Program was later expanded to include employers with 50 or more employees.

Mr. Kicksey indicated that the TRP has several requirements of qualifying employers. Employers must designate a Transportation Coordinator, conduct an annual survey on employee commute habits, submit an annual employer TRP Plan, and have the Plan approved by the 15-member Regional Task Force. Mr. Kicksey provided 2002 Annual Report statistics, including that there were 2,678 employer and student sites with approximately 625,000 participants. In 2002, 1,192 TRP plans were reviewed. Mr. Kicksey noted that the Program statistics indicates that the distance from home to work is gradually increasing.

Mr. Powell inquired about the response rate of those who report the employee survey by internet. Mr. Kicksey responded that the response rate is within three percent of the survey form response rate and at least a 60 percent response rate is required. Mr. Hyde asked about improvements he would like to see made to the Trip Reduction Program. Mr. Kicksey replied that employers often request additional education on the program and options for employees.

Mr. Cleveland thanked Mr. Kicksey for his presentation and mentioned that we need to disseminate this information to the Transportation Review Committee, Transportation Policy Committee, and Regional Council since they do not understand the value of the Trip Reduction Program in terms of reducing vehicle miles traveled and traffic congestion.

9. 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. Mr. Cleveland extended his appreciation to Ms. Murphy for her comments.

10. Call for Future Agenda Items

Mr. Cleveland announced that the next meeting of the Committee is tentatively scheduled for February 27, 2003. Mr. Hunter requested an update be given on the regional haze mobile sources inventory. Mr. Cleveland also requested that staff provide a big picture schedule with timing and issues.