



Minutes for the STMPR Advisory Group Meeting Wednesday, December 13, 2006

1. Welcome and Introduction

Mr. Joe Cassmassi, Planning & Rules Manager, Planning, Rule Development and Area Sources, called the meeting to order at 1:30 p.m. and presented a brief overview of the agenda for the meeting. There were no comments on the November meeting minutes.

2. Methodology for Health Benefit Assessment

Dr. Leland Deck and Ms. Lauraine Chestnut, Stratus Consulting Inc. gave a brief overview on the health effect studies for PM_{2.5} and ozone proposed to be used to develop the Health Benefit Assessment. Two cohort studies were recommended for the Basin: Pope et al. and Jerrett et al.. Discussion followed on how to use these data and whether or not data from the Jerrett's study should be used since it specifically developed for the Basin. In addition, a summary of the opinions from the 12 experts provided to the U.S. EPA in a 2006 survey on health benefits was included. Stratus Consulting Inc. contented that there should be positive effects from improvements of air quality at all levels be measured by a financial term (cost of illness) and non-financial term (enjoyment of life and activities). Typically, it is reflected by a Willingness-To-Pay (WTP) estimate which show how much income or expenditure people are willing to trade for a change in probability of a health effect. The WTP can be obtained through a Stated preference (SP) methods, a sophisticated questionnaire-based method, to ask about specific risks and directly obtain WTP, but using answers, not actions. Stratus Consulting recommended a unit value of \$4.8 million for premature death. For comparison, the U.S. EPA uses \$6.8 million.

3. Update on Modeling

Mr. Joe Cassmassi, Planning & Rules Manager, gave a summary on the development process of the AQMP. Staff completed 9 regional workshops and multiple presentations to regional COGs and local government, written comments are being reviewed. The revised draft 2007 AQMP would be released by January 15. For attainment demonstration, staff is in the process of finalizing final carrying capacities, simulating ozone and PM_{2.5} with updated emissions, refining the control strategies. Mr. Cassmassi indicated that the change in emissions from the draft had a minimal impact on PM_{2.5} modeling but a significant impact on ozone modeling such as the model performance degraded, ozone maxima moved to the east, and the potential need for additional emissions reductions in 2020 to meet the standard.

Mr. Cassmassi discussed the changes to PM_{2.5} modeling. First, he explained that MATES-III updated data impacted quarterly average concentrations but its impact was minor. The MATES-III organic carbon data were used in the draft 2007 AQMP but EPA's "sandwich" approach will be re-evaluated to estimate organic carbon. He also explained that three point sources show large impact on a single grid cell in east Basin. Growth factors to individual sources may be inappropriate, so growth rates will be re-evaluated. Then he explained several PM_{2.5} sensitivity analyses on boundary conditions, paved road dust and other emissions changes.

4. Closing Remarks/Scheduling Next Meeting/Adjourn

There being no additional public comments, Mr. Cassmassi adjourned the meeting at approximately 4:00 p.m.

December 13, 2006 STMPR Advisory Group Meeting

MEMBERS PRESENT

Ed Avol, USC
Carol Bohnenkamp, U.S. EPA
Shep Burton, Consultant
Ralph Morris, ENVIRON International Corp.
Rory MacArthur, Western States Petroleum Association

MEMBERS ABSENT

John DaMassa, California Air Resources Board
Bill Dennison, California Small Business Alliance
Rob Farber, Southern California Edison
Fereidun Feizollahi, California Air Resources Board
Jane Hall, California State University - Fullerton
Deng Bang Lee, Southern California Association of Governments
Steve Levy, Center for Continuing Study of the California Economy
Fred Lurmann, Sonoma Technology, Inc.
Paul Ong, UCLA School of Public Policy & Social Research
Karen R. Polenske, MIT Dept of Urban Studies & Planning
George Treyz, Regional Economic Models, Inc.

OTHERS PRESENT

John Billheimer, Enviro-Reality
Julia Lester, ENVIRON International Corp.
Mike Wang, Western States Petroleum Association

AQMD STAFF

Joe Cassmassi, Planning & Rules Manager
Ed Eckerle, Program Supervisor
Shah Dabirian, Air Quality Specialist
Bong Kim, Air Quality Specialist
Patricia Kwon, Air Quality Specialist
Sang-Mi Lee, Air Quality Specialist
Sue Lieu, Program Supervisor
Satoru Mitsutomi, Program Supervisor
Minh Pham, Air Quality Specialist
Laki Tisopulos, Assistant Deputy Executive Officer
Jill Whynot, Planning & Rules Manager