

Metropolitan Washington Air Quality Committee

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MWAQC TECHNICAL ADVISORY COMMITTEE

Date: March 8, 2011
Time: 10:00 am to noon

COG Board Room, 3rd Floor
Lunch will be served to members at noon

Agenda

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- 10:00 1. Call to Order and Review of Meeting Summary (February 8, 2011)**
Chairman Diane Franks, Maryland Department of Environment
- 10:10 2. Discussion: PM2.5 Redesignation**
Joan Rohlf's and state air agency staff will discuss a potential PM2.5 redesignation request and maintenance plan.
- 10:40 3. Travel Demand Model**
COG/DTP staff plans to introduce a new Travel Demand Model Version 2.3 integrating the most recent Household Travel Survey (2007-8), covering a larger geographic area with a more detailed zone system. Ron Milone, COG/DTP, will discuss the new model features and development schedule.
- 10:55 4. Annual Progress Report: Update**
Jeff King, COG/DEP, will provide an update on tracking local voluntary measures for the CEEPC 2012 Climate and Energy Action Plan and the SIP Voluntary Bundle.
- 11:10 5. Integrated Community Energy Planning**
Jeff King, COG/DEP, will provide an update on recent activities related to advancing clean energy solutions in the region.
- 11:20 6. EPA Regulatory Actions**
Staff will discuss EPA's recent actions on MACT for industrial boilers. State air agency representatives will provide a brief update on OTC control measure development activities.
- 11:40 7. State and Local Updates**
- 12:00 8. Set Date for Next Meeting, Future Agenda Items, Adjourn**
Next TAC Meeting: April 12, 2011



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DRAFT

**MWAQC Technical Advisory Committee
Meeting Summary
February 8, 2011 10:00 to Noon
Teleconference**

Present:

Elizabeth Aiken, Virginia Department of Environmental Quality
Cecily Beall, District Department of the Environment
Monica Backmon, Prince William County
Tom Ballou, Virginia Department of Environmental Quality
Randall Carroll, Maryland Department of the Environment
Austina Casey, District Department of Transportation
Bhesh Dhamala, Fairfax County Department of Health
Stan Edwards, Montgomery County
Diane Franks, Maryland Department of the Environment
Sonya Lewis-Cheatham, Virginia Department of Environmental Quality
Doris McLeod, Virginia Department of Environmental Quality
Edward Nantamu, Fairfax County Department of Health
Bob Owolabi, Fairfax County Department of Transportation
Jim Ponticello, Virginia Department of Transportation
Walt Seedlock, Metropolitan Washington Airports Authority
William Skrabak, City of Alexandria
Howard Simons, Maryland Department of Transportation
Ram Tangirala, District Department of the Environment
Chris Voigt, Virginia Department of Transportation

Staff:

Jeannine Altavilla, COG/DEP
Elena Constantine, COG/DTP
Maia Davis, COG/DEP
Jeff King, COG/DEP
Sunil Kumar, COG/DEP
Eulalie Lucas, COG/DTP
Erin Morrow, COG/DTP
Jane Posey, COG/DEP
Joan Rohlf, COG/DEP
Daivamani Sivasailam, COG/DTP
Dusan Vuksan, COG/DTP

Others:

Rob Shreeve, Maryland State Highway Administration
Linda Stroyk, Maryland State Highway Administration

1. Call to Order and Review of Meeting Summary (January 11, 2011)

Ms. Franks called the meeting to order at 10:05. The minutes of the January 11 meeting were approved with no changes.

2. MOVES and Conformity: Update

Jim Ponticello reported on a recent call with EPA about motor vehicle emission budgets and MOVES. Recent work by DTP staff has indicated that depending on which mobile budgets are actually in force and the first analysis year for future conformity determinations, the region could have difficulty demonstrating conformity in the near future. If the proposed rule restructuring amendments go final, the first year of any conformity analysis will have to be within 5 years of the action. The 2012 CLRP could therefore involve analysis years of 2017, 2020, 2030, and 2040. Estimates show that the region could have an issue with meeting the PM budget contained in the submitted PM SIP for 2017 time frame. Currently, EPA is not under obligation to take action on the submitted PM SIP because the region is operating under the Clean Data Determination. Options to remedy the potential conformity issue for PM would be to update the budgets in the PM SIP using MOVES, seek an extension of the grace period, or pursue redesignation with or without pulling the PM SIP back from EPA. If the 2012 process starts before March, it will be possible to go another year using MOBILE6.

Jane Posey provided an update on the conformity process and schedule for CY 2011. There are 2 scopes, one is to address the need to prepare a revised determination caused by an amendment to the 2010 CLRP (to modify the HOT lanes project in VA), and the other is the traditional scope for the 2011 CLRP. For the 2010 amendment, the analysis will be redone using all of the same inputs and models as last year. For the 2011 CLRP, there are several important changes. The first year of the analysis will be 2016. There is a new area system with more traffic analysis zones, Round 2.3 of the Travel Demand Model, Cooperative Forecast Round 8a to account for recent updates from Baltimore region. Also, the analysis will no longer evaluate how regional emissions compare to the 1-hour ozone budget because that has been officially superseded by the approved 8-hour ozone SIP RFP budget for 2008.

Staff will organize a Conformity Subcommittee call and work towards reaching agreement on a potential MWAQC comment letter on the proposed conformity scope.

3. Discussions with EPA re PM2.5 Redesignation

Joan Rohlf's and state air agency staff summarized recent discussions with EPA Region III regarding a potential PM2.5 redesignation request and maintenance plan. EPA is ready to receive a PM redesignation request and maintenance plan and would be fine with a request to withdraw the submitted PM SIPs. Sunil discussed the inventories that would be needed to prepare a maintenance plan. Years to address would include 2002 (NAA year), 2007 (attainment year), 2017 or 2020 (interim year), 2024 or 2025 (out year). He shared a table with information on availability of information or data gaps for each of the source sectors.

Members expressed concern about the timing of action on a decision PM redesignation request and maintenance plan if there will be delays in obtaining mobile sector inventories for all the analysis years using all the new models and inputs. States agreed to come back in March with a definitive choice about course of action. Full emission inventories are likely not required for states to make the decision to proceed with the work required to do the redesignation request.

4. Near Road Air Monitoring for the Intercounty Connector

[Due to technical difficulties, members on the phone were unable to hear this report. Details of the report are as follows.] Rob Shreeve and Linda Strozyk of the Maryland State Highway Administration provided a briefing on near-road air monitoring that is being performed as a result of a settlement associated with litigation concerning the Intercounty Connector. Under the settlement agreement, Maryland agreed to retrofit 70 school buses in Maryland and to conduct near road air monitoring for PM2.5. The air monitoring site consists of EBAM and SuperSAAS monitors located about 500 feet from the edge of the road. The site is east of the Capitol Beltway and south of Hwy 214. They have collected 21 months of

data. The monitor is defined as site-specific data collection. The plaintiffs had argued that regional air quality monitors are not adequate to assess roadside concentrations. Based on a review of the data from the SHA monitors, there have been no significant correlations with traffic or weather, and the data appears to track closely with the other PM monitors in the region. Linda Strozyk said that the data is publically available and can be shared if desired. SHA has met with MDE and there was agreement that this monitoring site is not suitable for regional air quality monitoring needs. MDE is working on an official trial roadside monitoring site in Baltimore. Bill Skrabak asked if COG could look into obtaining the data through a Freedom of Information Act request from SHA on behalf of members.

5. State Rulemaking on Backup/Distributed Generation

State air agency staff presented information on recent regulatory activities related to regulation of backup electricity generators. Maryland is amending its regulations to establish annual reporting requirements for Curtailment Service Providers (CSPs) that negotiate contracts with facilities that operate onsite generators/engines. Virginia is initiating new regulations for both compression and spark ignition electric generating sources (CI and SI sources). More stringent requirements have been outlined for sources operating in nonattainment areas. Summaries of the proposed regulations were provided. Members did not express interest in developing a potential MWAQC comment letter.

6. Proposed FY 2012 MWAQC Work Program and Budget

Joan Rohlfs discussed the Proposed FY 2012 MWAQC Work Program and Budget, outlining tasks and funding allocations. The core budget remains unchanged again this year. The regional programs budget has been reduced by approximately \$8,800. The main tasks include develop PM_{2.5} redesignation request and maintenance plan; develop PM_{2.5} inventories for maintenance plan; track attainment modeling for ozone sip; support multi-pollutant, multi-sector control strategy for ozone SIP; test moves model in transportation conformity for 2011 TIP; prepare mobile emissions for PM_{2.5} maintenance and ozone sip; track local government supplemental measures (voluntary bundle) in the annual PM_{2.5} and ozone sips; develop tracking metrics for regional greenhouse gas emissions (GHG) inventory; coordinate air quality planning with state and local clean energy programs; review transportation conformity analyses for ozone, fine particles and carbon monoxide; and possibly revisit mobile budgets in submitted SIPS, depending on application of MOVES to Washington region. TAC members unanimously recommended the proposed FY 2012 MWAQC Work Program and Budget for action by MWAQC.

7. Integrated Community Energy Planning

Jeff King provided an update on recent activities related to advancing clean energy solutions in the region. COG hosted a workshop on January 26 to focus on integrated energy solutions. Presentations from the workshop can be found at:

http://www.mwcog.org/committee/committee/documents.asp?COMMITTEE_ID=265

The next step in the regional effort is to develop a list of priorities for potential funding for consulting support based on the range of interests identified at the December meeting of the regional expert task force. COG hopes to issue an RFP for the consulting support in March.

Bill Skrabak asked to be added to the email distribution list for the task force. He also suggested that air offsets and information on ownership/inventory of units be added to the list of topics of interest.

8. Diesel Projects

Jeff King provided an update on diesel emission reduction projects in the region, funded through EPA's DERA program. COG is currently managing two diesel projects funded by EPA Region III. The first focuses on nonroad highway construction equipment. To date, approximately 13 heavy diesel equipment have been retrofitted. Emission solutions involve diesel particulate filters, engine upgrades, and engine repowers. The second project involves landfill equipment in Prince William County and two marine passenger vessels that operate between Alexandria and Georgetown, DC. COG is also applying for grant funding for a project to address emissions from the rail yard at Union Station. Joan Rohlfs said that the

anti-idling effort is currently focused on driver recognition, and that there is interest in some additional funding for a small continuation of the program.

9. State and Local Updates

Tom Ballou and Cecily Beall had nothing to report. Diane Franks said that there is a public hearing scheduled for February 15. She referred members to the website for more information on which regulations will be addressed.

Bill Skrabak provided an update on the Potomac River Power Plant now owned by Gen-On. They have released bid specs for phase 2 of the project for enhanced PM control. Vendors are expressing interest.

10. Set Date for Next Meeting, Future Agenda Items, Adjourn Next TAC Meeting: The next meeting will be held on March 8, 2011.