

Metropolitan Washington Air Quality Committee

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TECHNICAL ADVISORY COMMITTEE

Date: November 13, 2007

Time: 10 am to 12 pm

Place: COG Board Room

DRAFT Agenda

- 10:00 1. Call to Order and Review of Meeting Summary (October 9, 2007)**
Chairman Cecily Beall, District Department of the Environment
- 10:10 2. PM_{2.5} Emission Inventory**
Sunil Kumar, COG DEP will present the draft PM_{2.5} SIP inventory.
- 10:30 3. PM_{2.5} SIP Control Measures**
Jeff King, COG DEP, will present the draft PM_{2.5} SIP control measures, including RACM analysis, supplemental measures, and contingency measures.
- 10:50 4. Local Modeling**
Tom Ballou, Virginia DEQ, will discuss the recent EPA meeting on local modeling for PM_{2.5}.
- 11:00 5. PM_{2.5} SIP**
Joan Rohlfs, COG DEP, will present the draft PM_{2.5} SIP schedule for approval to recommend to MWAQC.
- 11:20 6. Climate Change Steering Committee and Greenhouse Gas Emissions Workgroup**
Joan Rohlfs, COG DEP, will provide an update on the Climate Change Steering Committee.
- 11:35 7. Other Business**
- 11:40 8. State and Local Air Agency Report**
- 11:50 9. Set Date for Next Meeting, Future Agenda Items, Adjourn**
Next TAC Meeting: December 6, 2007



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**MWAQC Technical Advisory Committee
Meeting Summary
October 9, 2007 10am to 12pm
COG Board Room**

Present:

Monica Backmon, Prince William County Department of Transportation
Tom Ballou, Virginia Department of Environmental Quality
Cecily Beall, District Department of the Environment
Randy Carroll, Maryland Department of Environment
Brian Hug, Maryland Department of Environment
Maurice Keys, District Department of Transportation
John Kinsman, Edison Electric Institute
Sonya Lewis-Cheatham, Virginia Department of Environmental Quality
Doris McLeod, Virginia Department of Environmental Quality
Bob Owolabi, Fairfax County Department of Transportation
Pam Parker, Montgomery County Department of Environmental Protection
Jim Ponticello, Virginia Department of Transportation
Howard Simons, Maryland Department of Transportation
Didian Tsongwain, Prince George's County Department of Environment
Chris Voigt, Virginia Department of Transportation
Flint Webb, Fairfax County Federation of Citizens Associations

Staff:

Mike Clifford, COG/DTP
Daivamani Sivasailam, COG/DTP
Jeff King, COG/DEP
Nabeel Keblawi, COG/DEP
Sunil Kumar, COG/DEP
Eulalie Lucas, COG/D
Erin Morrow, COG/DTP
Jane Posey, COG/DTP
Joan Rohlfis, COG/DEP

Observers/Participants:

Charley Baummer, MWAA
Greg McFarland, NVTC

1. Call to Order and Review of Meeting Summary (September 11, 2007). Ms. Beall called the meeting to order at 10:05. The minutes of the September 11, 2007 meeting were approved with no changes.

2. PM_{2.5} Emission Inventory Development

Sunil Kumar discussed the status of emission inventories for the PM_{2.5} SIP. He presented the draft 2002 and 2009 inventories for each of the precursors for each sector and explained that EPA requires that the base year inventory include the precursors ammonia and VOC even though the 2009 controlled inventory does not need to include these precursors. The largest source of SO₂ emissions are point sources. The largest source of NO_x emissions is the on-road sector. NO_x emissions from on-road, non-road, and point sources are expected to decline significantly by 2009 from existing control measures. SO₂ emissions for the on-road sector decline significantly, but SO₂ emissions from point sources are not anticipated until 2010 given the timing of the CAIR and Healthy Air Act requirements. Mike Clifford said that the draft on-road mobile emissions values for 2009 will become the draft mobile budgets.

3. PM_{2.5} Attainment Modeling

Tom Ballou discussed attainment modeling documentation for the PM_{2.5} SIP, reviewing the attainment modeling results that were presented in July. He said that all the monitors are projected to be below the PM_{2.5} NAAQS in 2009. Continued improvement is predicted through 2018. Flint Webb asked about the inventories that were used for the modeling. Tom Ballou said that the inventories from the regional haze process were used in the modeling effort and can be provided for review if needed. Tom Ballou said that the next steps are to develop the modeling documentation needed for the SIP, including consideration of unmonitored area analysis and local area analysis. DEQ staff will attend a special EPA meeting on local area analysis in October.

4. PM_{2.5} SIP Control Measures

Jeff King discussed a draft RACM analysis, local government initiatives, and contingency planning for the PM_{2.5} SIP. The current proposal is for the SIP to only include the existing on-the-books measures. Various local or voluntary programs will be included in the SIP as supplemental controls for no SIP credit. The RACM analysis will rely on the existing monitoring data indicating compliance with the NAAQS and the issue that there is insufficient time for the states to adopt any new measures by 2008. The contingency measures are based on guidance from EPA which establishes that reduction targets will only be required for precursors which decrease between 2002 and 2009 (i.e., NO_x). In the event that there are insufficient reductions in a required precursor after 2009, a substitution method must be developed. The current plan is to use post 2009 CAIR/Healthy Air Act SO₂ reductions as contingency. Staff are working to develop a method to address equivalency in reductions so SO₂ can be used to meet any NO_x shortfall.

5. PM_{2.5} SIP Schedule

Joan Rohlfs briefly reviewed the PM_{2.5} SIP schedule. The current plan is for MWAQC TAC to receive a draft SIP in November and for MWAQC to approve a draft SIP for public comment in December. Staff are currently working to develop the draft SIP. Major outstanding items include the contingency plan. Local government voluntary initiatives will be included based on the recommendations of local jurisdictions. Commitment letters are needed by December 12.

6. Climate Change Steering Committee and Greenhouse Gas Emissions Workgroup

Joan Rohlf's provided an update on the Climate Change Steering Committee. The Climate Change Steering Committee (CCSC) met in September. The committee heard reports on federal legislation and may recommend action to the COG Board. A preliminary greenhouse gas emission inventory was reviewed by the CCSC in September. The results suggest that emissions are expected to increase through 2030. The inventory may be refined depending on the availability of regional activity data, particular for electricity and fuels consumption. Additional sources of emissions are also being evaluated and will be included in future projections. A draft inventory is due to the CCSC in November. There will be a special meeting of the CCSC on October 24 to review the inventory and discuss options for setting reduction targets.

Brian Hug said that in Maryland, a Climate Action Plan is due in April 2008. An interim report is scheduled for November. Tom Ballou said that the Virginia Energy Plan has a 30 percent emission reduction target from energy by 2025. Virginia is also involved with the Climate Registry.

7. Ozone Season Summary

Sunil Kumar provided a summary of the ozone season to-date. There have been fifteen ozone exceedance days this year. The peak 8-hour ozone concentration was 110 ppb at the PG Equestrian Center on August 4. Peak 24-hour PM_{2.5} was 46 µg/m³ on August 7.

8. Other Business

Joan Rohlf's said that the TPB has changed the conformity schedule, delaying completion of this year's determination by one month. She also said that there will be an Air Quality Town Hall meeting in November.

9. State and Local Air Agency Report

Tom Ballou reported for Virginia. He said that the Air Board approved the CAIR regulations again after certain provisions were reopened for public comment. DEQ is working on a comprehensive air permit for the Potomac River Power Plant. The regional haze SIP is also going through review by federal land managers.

Randy Carroll reported for Maryland. He said that the Maryland Climate Initiative is a top priority of MDE staff with the interim report due in November.

Cecily Beall reported for the District. The District is working on regional haze SIPs, the infrastructure SIP, and the final revisions to the CAIR rule. The District is in the process of hiring Climate Change and Green Buildings staff. The Clean Cars bill is going before the Council.

10. Set Date for Next Meeting, Future Agenda Items, Adjourn:

The next TAC Meeting will be held on November 13, 2007. The meeting was adjourned at 11:57.