

Metropolitan Washington Air Quality Committee

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MWAQC TECHNICAL ADVISORY COMMITTEE

Date: November 8, 2011

Time: 10:00 am to 11:30

TELECONFERENCE

Call In Number (209) 647-1000

Passcode 789498#

Agenda

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- 10:00 1. Call to Order and Review of Meeting Summary (October 11, 2011)**
Chairman Diane Franks, Maryland Department of Environment
- 10:05 2. VIN Decoding**
Elena Constantine, COG/DTP, will present draft results of this year's VIN Decoding effort for conformity analysis.
- 10:20 3. Reducing Emissions from the Transportation Sector**
Daivamani Sivasailam, COG DTP staff, will discuss recent Scenario Study analysis results.
- 10:35 4. Conformity Comment Letter**
COG, DEP staff, will present a draft comment letter on the conformity determination for the 2011 CLRP.
- 10:45 5. PM2.5 Redesignation and Maintenance Plan: Update**
COG staff will provide an update on the status PM2.5 redesignation request and maintenance plan development. Staff will provide update on inventory development and recent recommendations of the control measures workgroup on contingency measures.
- 11:05 6. Climate Modeling**
Sunil Kumar, COG/DEP, will discuss recent efforts with University of Maryland on Climate Modeling.
- 11:15 7. Other Business**
- Stakeholder process for 2012
- 11:25 8. State and Local Updates**
- 11:30 9. Set Date for Next Meeting, Future Agenda Items, Adjourn**
Next TAC Meeting: December 13, 2011



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**MWAQC Technical Advisory Committee
Meeting Summary
October 11, 2011 10:00 to 11:30
DEP Conference Room, 3rd Floor**

Present:

Elizabeth Aiken, Virginia Department of Environmental Quality*
Monica Backmon, Prince William County*
Tom Ballou, Virginia Department of Environmental Quality*
Cecily Beall, District Department of the Environment*
Randall Carroll, Maryland Department of the Environment*
Austina Casey, District Department of Transportation*
Diane Franks, Maryland Department of the Environment *
Andrew Gayne, Marine Base Quantico*
Barbara Hardy, Fairfax County*
Brian Hug, Maryland Department of the Environment*
Jeff Harn, Arlington County*
Jon Kinsman, Edison Electric Institute*
Sonya Lewis-Cheatham, Virginia Department of Environmental Quality*
Doris McLeod, Virginia Department of Environmental Quality*
Howard Simons, Maryland Department of Transportation*
Kanti Srikanth, Virginia Department of Transportation*
Ram Tangirala, District Department of the Environment*
Chris Voigt, Virginia Department of Transportation*

Staff:

Elena Constantine, COG/DTP
Kyle Hosley, COG/DEP Intern
Jeff King, COG/DEP
Sunil Kumar, COG/DEP
Jane Posey, COG/DEP
Joan Rohlf, COG/DEP

* denotes attended by teleconference

1. Call to Order and Review of Meeting Summary

Chairwoman Diane Franks called the meeting to order at 10:05. There were no comments on or corrections to the previous meeting summary.

2. PM_{2.5} Redesignation and Maintenance Plan: Update

Sunil Kumar provided the committee updates on the Redesignation and Maintenance Plan. Emissions of NO_x, SO₂, and PM_{2.5} decrease for the time periods 2002-2007, 2007-2017, and 2007-2025. SO₂ emissions decrease sharply for the period 2007-2017. The decrease from 2002-2007 satisfies the criterion needed for the Redesignation Request. The decreases in 2007-2017 and 2007-2025 show continued maintenance of the 1997 PM_{2.5} annual standard of 15µg/m³. Area emissions are draft for all years. Point emissions are draft for 2017 and 2025. Nonroad source emissions are draft for 2002, with NMIM emissions being final but possibly needing changes as MARAMA's model run and COG's model run have slight discrepancies in the emissions output. Onroad source emissions are not complete yet, as MOVES based emissions need to be developed. Contingency measures need to be decided for the Maintenance Plan in case the Metropolitan Washington area is in exceedance of the NAAQS standard after the region is declared in attainment. Doris McLeod asked that her recent comments on the draft be addressed and that COG staff then recirculate a revised draft. COG staff indicated that a new draft could be provided before the next TAC meeting.

3. Ozone NAAQS Implementation, Next Steps

Joan Rohlf informed the committee of the history and future of the NAAQS Ozone standards and design values. Recent happenings dealing with the ozone NAAQS standard were shared, along with a historical timeline and design value graph. A future timeline relating to the enforcement of the 2008 NAAQS Ozone standard of an 8 hour average of 75ppb was also presented. A table of possible classification standards shows that the Metropolitan Washington region would be in the Marginal category, the least severe of the five categories. If the Metropolitan Washington region does end up in the Marginal category, the control measures required in the region would be less compared to requirements for other categories. For example, under the Marginal category, the EPA would expect the region to be in attainment of the 2008 Ozone NAAQS standard by 2015 with the help of CSAPR, Light and Heavy Vehicle Standards, Tier II vehicle and fuel standards. Questions for the EPA and discussion were raised as well. The idea to voluntarily classify ourselves as Moderate was brought up. This would allow for more time to reach the 2008 standard. Members said that SIPs required for regions designated Marginal may not require as many sections as traditional Attainment SIPs. Since the EPA is now transitioning toward enforcing the 2008 ozone standard, much is still up in the air, so it is a good idea to wait for EPA implementation guidance.

4. Conformity Report

Jane Posey presented the AQ Conformity Assessment of the 2011 CLRP. New for 2011 are the Version 2.3 Travel Demand Model, 3722 TAZ Area System, and Round 8.0a Cooperative Forecasts. The assessment found that emissions will drop significantly after 2002 due to Tier II vehicle standards, cleaner fuels, and the Heavy Duty Engine Rule. Although the general trend is for lower emissions in the future, emissions will begin to increase slightly after 2030. The emissions looked at were the ozone season pollutants (VOCs and NO_x) and the fine particles pollutants (Precursor NO_x and direct PM_{2.5}). Although there was no graph presented, wintertime CO emissions results were given. For all emissions, approved budgets will be met. Staff will prepare a draft comment letter for review by the Conformity Subcommittee.

5. Electric Vehicle Planning Initiative

Joan Rohlf presented updates on the regional electrical vehicle readiness plan. There are programs in place to foster the development of electric vehicles by setting up charging stations around the region. On April 29, 2011, an electric vehicle workshop was held to look at the success of existing regional programs and to discuss the conversion to more electric vehicles in the region. A regional approach will allow for smooth transitioning to more electric vehicles on the road, with the benefits of this conversion helping everyone in the region. Electric vehicle planning workgroups were formed in order to tackle the planning for the infrastructure and the policy facets of electric vehicle adoption. One critical point against the use of electric vehicles is the reliance on electricity from coal fired power plants, but the Sierra Club has determined that electrical vehicles are still a better alternative.

6. Control Measures Workgroup Update

Jeff King updated the committee on the Control Measures Workgroup which will be convened to consider possible contingency measures for the PM2.5 Redesignation Request and Maintenance Plan. In response to questions, state air agency staff said that the near term focus of the group should be on contingency measures. Work on control programs for the ozone SIP as well as consideration of voluntary measures bundle true-up and the Gold Book is not a high priority at this time.

7. State and Local Updates

In Virginia, the motor vehicle emission budgets revision for Fredericksburg were sent out September 26, 2011. DC held a public hearing for revisions to the RH SIP occurred on October 12, 2011. Maryland held a public hearing on the RACT SIP. Jeff King said based on a recent meeting with Bill Skrabak, PJM has sent a letter stating that the proposed shut down of the Potomac River Generating Station is not a near term issue for reliability of the grid, but that future grid upgrades will be needed.

8. Set Date for Next Meeting, Future Agenda Items, Adjourn

The next Technical Advisory Committee Meeting will be held November 8, 2011.