

# Metropolitan Washington Air Quality Committee

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## TECHNICAL ADVISORY COMMITTEE

**Date: March 9, 2010**

**Time: 10 am to 12 pm**

**COG Board Room, 3rd Floor**

Lunch will be served to members at noon

### DRAFT Agenda

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- 10:00 1. Call to Order and Review of Meeting Summary (February 9, 2010)**  
*Chairman Cecily Beall, District Department of Environment*
- 10:10 2. Urban Heat Island Impacts on Air Quality**  
*Russ Dickerson, University of Maryland will present the results of a research study examining the impact of urban heat islands on air quality.*
- 10:40 3. Local Voluntary Measures Survey and Evaluation Report**  
*Jeff King, COG/DEP, will provide an update on the local voluntary measures survey. New planning efforts for documenting progress in meeting climate and energy action plan goals will also be discussed.*
- 10:50 4. Energy Efficiency and Renewable Energy Protocol**  
*Jeff King, COG/DEP, will discuss protocol recommendations for including energy efficiency and renewable energy in SIPs.*
- 11:10 5. Emission Reduction Potential and Cost Effectiveness of Greenhouse Gas Emission Reduction Measures for the Transportation Sector**  
*Daivamani Sivasailam, COG DTP will present staff analysis of the costs and benefits of greenhouse gas emission reduction measures.*
- 11:25 6. MOVES Transition Team**  
*Sunil Kumar, COG DEP will provide an update on the transition to the MOVES model.*
- 11:35 7. Diesel Emission Reduction Projects**  
*Jeff King, COG/DEP, will discuss recent grant award for implementing diesel emission projects in the metropolitan Washington region.*
- 11:40 8. Other Business**
- 11:45 9. State and Local Air Agency Reports**
- 11:55 10. Set Date for Next Meeting, Future Agenda Items, Adjourn**  
Next TAC Meeting: April 13, 2010



Reasonable accommodations are provided for persons with disabilities. Please allow 7 business days to process requests. Phone: 202.962.3300 or 202-962.3213 (TDD). Email: [accommodations@mwkog.org](mailto:accommodations@mwkog.org). For details: [www.mwcog.org](http://www.mwcog.org).

**DRAFT**

**MWAQC Technical Advisory Committee  
Meeting Summary  
February 9, 2010 10am to Noon  
Teleconference**

**Present:**

Elizabeth Aiken, Virginia Department of Environmental Quality  
Monica Backmon, Prince William County  
Cecily Beall, District Department of Environment  
Tom Ballou, Virginia Department of Environmental Quality  
Austina Casey, District Department of Transportation  
Jessica Daniels, District Department of Environment  
Bhesh Dhamala, Fairfax County Department of Health  
Diane Franks, Maryland Department of Environment  
Andrew Gayne, Marine Base Quantico  
Jon Kinsman, Edison Electric Institute  
Barbara Hardy, Fairfax County Department of Health  
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 Environment  
Jim Ponticello, Virginia Department of Transportation  
Ana Prados, Fairfax County Federation of Citizen's Associations  
Kanti Srikanth, Virginia Department of Transportation  
Chris Voigt, Virginia Department of Transportation

**Staff:**

Mike Clifford, COG/DTP  
Jeff King, COG/DEP  
Sunil Kumar, COG/DEP  
Eulalie Lucas, COG/DTP  
Jane Posey, COG/DTP  
Joan Rohlfs, COG/DEP  
Daivamani Sivasailam, COG/DTP

**Other Participants:**

Don Carter, Midland

**1. Call to Order and Review of Meeting Summary (January 12).** The meeting was called to order at 10:02. The minutes of the January 12, 2010 meeting were approved with no changes.

**2. Final NO<sub>2</sub> NAAQS Rule**

Joan Rohlfs discussed EPA's final NAAQS for NO<sub>2</sub>. On January 22, 2010, EPA finalized a proposal to strengthen the national ambient air quality standards (NAAQS) for nitrogen dioxide (NO<sub>2</sub>). EPA selected the upper end of the proposed range of 100 parts per billion for the 1-hour

standard. The rule also requires establishment of new roadside monitoring requirements. Attainment designations will likely be unclassifiable until the region is able to install and operate a new network of monitors which is not expected to occur until 2016/2017. New mobile budgets will not be required until after a nonattainment designation.

### **3. Comments Submitted at Public Hearing on Proposed Ozone Standard**

Sunil Kumar discussed comments submitted at the Public Hearing on the Proposed Ozone Standard in Arlington, Virginia. Comments heard included criticism of the scientific basis for the proposal as well as support for a tighter new standard to protect public health, particularly for children. The public comment period ends on March 22, 2010.

### **4. Proposed New National Measures to Improve Air Quality**

Jeff King discussed new national measures proposed by the Ozone Transport Commission (OTC) for implementation to assist the region in meeting its air quality goals. The OTC is urging EPA to adopt new national regulations based on successful local and regional strategies adopted in the mid-Atlantic and Northeast to reduce emissions from a larger region across multiple sectors. The main focus is on electric power plants, vehicle emission standards, and new fuel standards. In addition to these top priorities, other national initiatives include controlling large industrial/commercial boilers, consumer and commercial products, cement kilns, distributed generation units, and other small industrial sources such as asphalt plants, glass manufacturing, auto repair and refinishing, and solvent cleaning operations.

In response to questions, Diane Franks said that the states are working on an approach to address high electric demand days through modeling and technical workgroups. Current modeling focuses on average conditions so can misrepresent the contribution of certain power plants that operate primarily on high electric demand days. Controlling these units could contribute to reducing pollution concentrations during important periods of the ozone season. However, because the units operate less frequently, control costs (cost/ton) can be significantly higher.

Jon Kinsman said that EPA is expecting to release a proposed rule to resolve issues with the Clean Air Interstate Rule (CAIR) in spring 2010 with a 1-year comment period. Federal multi-pollutant legislation (S. 2995 - The Clean Air Act Amendments of 2010) is also be considered to address emissions from power plants and pollution transport.

### **5. MWAQC Work Program and Budget for 2011**

Joan Rohlf's discussed the proposed MWAQC work program and budget for 2011. There is no change to the core work program and a small \$5000 increase in the local government portion of the work program. Work activities for the year will include SIP inventory development, multi-pollutant control strategy development, transitioning to the MOVES model, local government assistance and tracking progress. The budget committee met in December and supported the proposed work program and budget. A motion was made and seconded to recommend the proposed work program and budget to MWAQC. The motion passed unanimously.

### **6. MOVES Transition Team**

Sunil Kumar provided an update on the transition to the MOVES model (Motor Vehicle

Emission Simulator model). EPA has released its final version of MOVES2010. Over the next 2 years, the regional process to estimate mobile emissions and handle transportation conformity must transition away from the use of MOBILE6.2 to MOVES2010. There will be a 2-year grace period for transportation conformity. The next round of State Implementation Plans (SIPS) must use emission inventory estimates using MOVES2010. There is an interagency workgroup meeting monthly to develop the process, approach, and data inputs that will be needed to ensure a successful transition. Members agreed to cancel the February meeting. The next meeting of the task force will be in March.

## **7. Other Business**

The Climate Energy Environment Policy Committee (CEEPC) adopted a 2010-2012 Climate and Energy Action Workplan on January 27.

The TAC Chair and the MWAQC Executive Committee have approved four stakeholder members for 2010, including Walt Seedlock, Jon Kinsman, Ana Prados, and Andrew Gayne.

## **8. State and Local Air Agency Reports**

Cecily Beall reported for the District. The District is in the process of adopting the OTC VOC regulations. A greenhouse gas inventory has been prepared and there will be stakeholder meetings in March focused on the Climate Action Plan.

Tom Ballou reported for Virginia. The OTC VOC regulations were approved by the State Air Pollution Control Board. DEQ is working on a new air permit for the Mirant Potomac River Power Plant which will include a new NOx cap (equivalent to the levels in the SIP) to be effective for the 2010 ozone season.

Diane Franks reported for Maryland. She reported that all of the power plant controls planned for units in the region were installed on schedule. The region should expect significant reductions in emissions of SO2 and mercury. MDE is working to reduce emissions at the Lehigh Cement Plant. MDE is also working on CTGs and NOx RACT issues.

**9. Set Date for Next Meeting, Future Agenda Items, Adjourn:** The next TAC meeting will be held on March 9, 2010. The meeting was adjourned at 11:30am.