

MWAQC Technical Advisory Committee
Meeting Summary
January 10, 2016, 10 AM to 11:50 AM

Present:

Cecily Beall, District Department of Energy & Environment
Ram Tangirala, District Department of Energy & Environment
Tom Ballou, Virginia Department of Environmental Quality
Doris McLeod, Virginia Department of Environmental Quality
Sonya Lewis-Cheatham, Virginia Department of Environmental Quality
Chuck Turner, Virginia Department of Environmental Quality
Alex Brun, Maryland Department of the Environment
Dave Krask, Maryland Department of the Environment
Marcia Ways, Maryland Department of the Environment
Justin Mabrey, Maryland Department of the Environment
John Kinsman, Edison Electric Institute
Christine Ng, Ramboll

Staff:

Sunil Kumar, COG/DEP
Leah Boggs, COG/DEP
Jeff King, COG/DEP
Amanda Campbell, COG/DEP
Maia Davis, COG/DEP
Jane Posey, COG/DTP

1. Call to Order and Review of Meeting Summary

Cecily Beall called the meeting to order at 10 am. The December 6 meeting summary was approved without any changes.

2. 2008 Ozone NAAQS Redesignation Request & Maintenance Plan

Sunil briefed members on the status of the 2008 ozone NAAQS redesignation request and maintenance plan. Sunil described in details the calculation of adjusted 2011 on-road VOC, NO_x, and CO emissions using MOVES2014a and the 2014 emissions using interpolation of emission between 2011 and 2016. He said that there is a decline in emissions between the two years for all three pollutants, which is required to be demonstrated as part of the redesignation request. He said he was confident that actual MOVE2014a based emission would be close to what we have based on the above adjustment methodology. He also presented a draft timeline for the plan and requested state air agency staff to keep in mind the timeline for sending the model inputs and other emissions data. Tom Ballou reminded everybody that the RR/MP remains a high priority for Virginia and suggested an emissions inventory sub-committee call to discuss the plan inventories. Sunil agreed to hold the call and send the notice for the same soon after the MWAQC-TAC meeting.

3. Enhanced Ozone Monitoring

States briefed members on the status of the enhanced ozone monitoring for their respective states. The ozone monitoring rule was revised in October 2015 when the ozone NAAQS was revised to 70 ppb. Th rule requires states with moderate and above nonattainment areas and states in the Ozone Transport Region to develop and implement an enhanced ozone monitoring (EOM) plan. The plan must be submitted to EPA no later than October 1, 2019.

The rule requires the following:

- Additional ozone monitors beyond the minimum requirements
- Additional NO_x or NO_y monitors above minimum requirements
- Additional VOC measurements beyond minimum requirements
- Upper air measurements of meteorology or air pollution concentrations

Enhanced ozone monitoring is required for the following reasons:

- Surface based monitoring alone cannot determine the nature and origin of a particular ozone problem
- To produce policy relevant science that will aid in the development and tracking of effective control strategies
- Evaluate model performance (CMAQ & CAMx), identify weaknesses or areas needing improvements
- Assist in ozone forecasting.

Dave Krask talked about Maryland's enhanced ozone monitoring effort. He discussed various approaches used in Maryland for this effort such as, continuous and seasonal/episodic monitoring and short-term intensive studies. The effort is funded through extramural funding sources. Ram said since Maryland's EOM effort did not go south of the beltway due to federal restrictions, the District of Columbia is trying to pursue that here. He said the EOM requirements are mainly meant for the ozone transport region. He said EPA is providing a part of the PAMS funding for the EOM, we should try to tap some of that for the EOM effort in Washington, DC area. Chuck said that we would not know about the status of that fund until the funds of the PAMS hardware has been taken care of.

4. Electric & Alternative Vehicle Fuel Projects

A1. VW Mitigation Trust Fund

States talked briefly about the fund. Tom said a draft document was provided for public comments in November 2016. Virginia is waiting for the appointment of the Trustee. Washington, DC, Maryland, and Virginia are expecting approximately \$8.2m, \$75m, and \$100m respectively.

A2. VW Direct Managed Funds for Promoting ZEVs & Related Infrastructure

Jeff King said that COG has sent around a survey for the charging stations in the Washington area. VW has prioritized about 10 to 15 metro areas for this effort. Jeff said he would like to see MARAMA or NESCAUM talking lead or coordinating this effort.

B. Fleets for the Future

Leah Boggs presented details of US DOE's project titled "Fleets for the Future". This project intends to reduce the incremental costs of propane, electric, and natural gas powered vehicles and refueling or charging infrastructure., develop and implement five regional procurements and one national scale procurement National partnership between regional councils, Clean Cities Coalitions, and industry leaders led by the National Association of Regional Councils. It also intends to create best practices and templates on alternative fuels such as CNG, propane, and electric; develop related infrastructure and creative financing mechanisms in addition to vehicle procurement strategies and policies.

Eligibility and Project Goals are:

- Public and Private Fleets: federal, state, local governments, school districts and universities, utilities
- Fuel and Vehicle Types: LDV – HDV, natural gas, propane, ethanol, and electrification
- Infrastructure: L2 and DC fast charging, natural gas, propane, E85
- Coordination of five regional and one national scale
 - MARC pilot procurement
 - COG + 3 remaining regional councils
 - Nation-wide effort
- On-going education and training and distribution of best practices

Regional Survey Results

- Over 61 surveys received to date, surveys will continue to be accepted through the end of the year.
- Survey respondents represent almost 35,000 vehicles in 40 fleets.
 - DC-MD-VA-PA
- More than 7,200 vehicles are slated for replacement in the next 2-3 years, of which more than 5,500 are light-duty
- Currently, over 700 vehicles are designated as alternative fuel vehicles (AFV)

The Regional Procurement Initiative will be customized by July 2017. The local government officials and stakeholders will be engaged to participate in the procurement and the initiative will be established and implemented by March 2018.

5. Clean products Market Study

Amanda Campbell briefly introduced members about the study. Christine Ng of Ramboll (Contractor) described in details the survey and emission benefits calculation methodologies. The two main questions that this study will answer are:

- a. Due to the regional nature of supplier and distribution networks, do manufacturers and distributors voluntarily sell cleaner products in Northern Virginia, even if not required by state regulations?
- b. If yes, could MWCOCG and its member air agencies apply to the USEPA for State Implementation Plan (SIP) credit for voluntary emission reductions?

The two study design criteria are:

- a. To meet USEPA criteria for seeking SIP credit – Quantifiable, surplus, enforceable, and permanent, adequately supported
- b. To be consistent with prior emission inventories' calculation methodologies

Christine talked about data needs for emission calculations for Automotive refinishing coatings and Residential heating oil, identification of survey participants, survey distribution, analysis, and questionnaire. Amanda said the contractor will present the study results to TAC when they have completed the analysis. Ram asked if we could use the results in the 2008 ozone RR/MP. Sunil said the timeline for the development of the plan is tight and we may not be able to do so for that reason.

6. Announcement of 2017 MWAQC-TAC Stakeholders

Cecily Beall announced he names of two stakeholders. They are John Kinsman, Edison Electric Institute and Leal Boyd, Navy Region Mid-Atlantic.

7. State & Local Updates

There were no updates.

8. Adjourn

There being no other business, the meeting was adjourned at 11:50 am.