DRAFT 10/25/16

Federal/State Technical Work Collaboration Group

Conference Call Summary

October 13, 2016

1) Welcome and roll call:

 *EPA OAQPS, OAP, WESTAR-WRAP, MARAMA, OTC, New Hampshire, Maryland, North Carolina, University of Maryland, SESARM, Georgia, LADCO, CenSARA, Texas, Iowa, Missouri, Oregon, Utah, NPS, Colorado, Denver Regional Air Quality Council, Ute Tribe, Pima County, USFS, BLM, Quinault Nation, Wyoming, Confederated Tribes of the Colville Reservation, Nez Perce Tribe, Idaho, CARB, Montana, FWS, Nevada*

2) Status update on EPA modeling for 2015 NAAQS ozone transport and regional haze

 -- Emissions (Alison Eyth/Jeff Vukovich)

-- AQ Modeling (Norm Possiel)

 *Alison (OAQPS) summarized that EPA is working on updating the 2011 base case inventory (updated E85 penetration, updated the Mexico inventory to 2011 and completed a MOVES run for the country, and added fires for both Canada and Mexico). They should be done with the 2011 emissions modeling platform in the next few weeks and be able to make it available to the MJOs.*

 *For the 2023 inventory, EPA has completed most of the sectors, except will be using 2025 for point/nonpoint. The 2023 modeling platform is anticipated to be completed by late November/early December. New Hampshire asked if it would be possible for the MJOs/states to obtain the 2023 emissions summary prior to the modeling platform. Norm (OAQPS) replied they would discuss internally the feasibility of doing so. MARAMA asked if EPA used 2023 growth factors for all sectors? Alison replied yes. North Carolina asked when the technical documentation would be available? Alison said the goal was to have out before the December holidays.*

3) Control measures research work

-- Non-EGU control measures state survey (Robin Langdon)

*Robin explained the NOx control measures spreadsheet and instructions were sent out to the NEI state contacts in late September. There have been a few responses to date (FL, MD, IL, NM, IN, Allegheny County, Washoe County, and Knoxville) and follow up questions. EPA suggested looking at the greater than 100 ton sources first, then if a state had time, look at the 25 – 100 ton sources. The deadline for response is October 28th. The list of state contacts was sent to Theresa for distribution to the MJOs, but there are some updates, so she’ll send a new list. LADCO requested verification that if a state couldn’t meet the deadline, they could contact Robin and get more time. Robin confirmed that was the case. North Carolina asked what the data would be used for. Robin replied it would be fed into the NEI for the initial 2015 Ozone Transport modeling. EPA will do the updates once they receive the completed spreadsheets from the states. Chet (OAQPS) reiterated the intent is not to create new data, only correct what states have now in the NEI for controls to help make the modeling more accurate.*

-- Maryland modeling of OTC rules (Tad Aburn)

*Tad gave a background of the state’s work with modeling various scenarios, including “friendly” and “unfriendly” weather patterns. The “friendly” patterns help Maryland, but, interestingly, do not have similar results for Connecticut. The “unfriendly” modeling shows the best Maryland could reach was 81 ppb, but the state is already monitoring 71 ppb. They also modeled optimized EGU controls along with OTC and local measures. The OTC rules scenarios included modeling all nine measures in both the OTC and the eastern U.S., only the three largest OTC NOx measures in the OTC states, and aftermarket catalysts, consumer and AIM across the eastern U.S. He suggested the last three are ripe for federal rulemakings. The latest version of CAMx is doing a better job, with further away modeled contributions going up while nearer emissions are going down. He suggested the mid-Atlantic is at a tipping point where the significant level of NOx emission reductions has started to change the ozone chemistry, with bad weather not moving monitors as much as in the past.*

-- OTC ICI boiler report (Andy Bodnarik)

*Andy gave a brief description of a project recently completed to look at NOx and SO2 emissions from boilers for 2007, 2011, and 2018 for the OTC, southeast, Midwest, and southeast parts of the country, as well as the continental U.S. The summary white paper was distributed with today’s call materials. For the northeast, NOx decreases of 6.7% and 55.8% SO2 decreases between 2011 and 2018 are projected. Similar results for the other parts of the country are similar. However, the proportion of ICI boiler emissions to the total emissions increases in the same period, suggesting the source category should be analyzed further for upcoming ozone and regional haze SIPs.*

-- Aftermarket Catalyst analysis (Joseph Jakuta)

 *Due to time constraints, the presentation was deferred until the next call.*

4) WRAP Technical Steering Committee and Workgroup plan in 2017 (Tom Moore)

 *Tom gave an overview of the work WRAP was undertaking to develop a workplan to prepare for the necessary technical work for the phase II regional haze SIPs as well as for ozone transport analyses. The organization intends to use the IMDW to store EPA’s technical work products as a central place. The group is also looking at the final exceptional events rule and guidance to see how individual states/tribes may be helped with demonstrations. There will also be a tribal workgroup tasked with getting data into EPA’s emissions inventory. Interest in oil and gas continues through another workgroup. Not surprisingly, regional haze is a big interest to the WRAP, which is planning to do regional analyses for states and tribes. For transport, Tom is working with Mark Janssen (LADCO) to hold a webinar explaining the ERTAC model. Tom also mentioned a session he’ll be moderating at the CMAS Conference on October 26th to discuss ideas about how to better project future conditions, such as meteorology, boundary conditions, and land use, in addition to emissions and encouraged attendees to participate.*

5) Update on ERTAC/EPA group activities (Serpil Kayin and Mark Janssen)

 *Serpil (OAP) explained the group held a call on Oct. 6th as an initial “briefing” of the group’s charge and goal. A second call is scheduled for Oct. 27th to hear from states their perspectives of the final 2008 Ozone CSAPR rule. A third call is tentatively scheduled for Nov. 17th for EPA to explain the budget setting process and results to states. An invitation to all states will be sent out for the Nov. 17th call (dependent on when the final rule and supporting documents are published in the Federal Register).*

6) Process for deciding on a new base year modeling platform for regulatory modeling: 2014/2015/2016 (All)

 *There is general agreement that the 2011 base year will eventually need to be replaced; probably before 2015 Ozone attainment demonstrations and transport SIPs are completed (2011 will still be used for EPA’s initial 2015 ozone transport work). LADCO agreed to lead a workgroup to develop recommendations to bring back to the Collaboration Group. Alex Cohan will be the group lead, so, if interested, let him know.*

7) Interest in possible following-on discussions (Norm Possiel)

-- Small-group discussion of AQ model performance objectives at CMAS conference – *this is one of the June meeting action plan items. The CMAS conference seems a good time to have an initial conversation, so, if attending and interested, let Norm know.*

-- Webinars or conference calls on science updates in new versions of CMAQ and CAMx – *this is another action plan item. Norm mentioned EPA’s ORD should be ready to hold a webinar if there’s still interest in the December timeframe. Environ, likewise, is doing the CAMx updates Chris Emery talked about during the June workshop and should be ready to hold a webinar about a month after the CMAQ one. There was general agreement both would be helpful.*

-- CSAPR Update budgets – *Nov. 17th call should suffice for an explanation of the 2008 ozone transport budgets.*

8) Action items and wrap up (Theresa Pella)

 *Theresa mentioned the updated action plan was included in the conference call materials. Let her know if you have any edits.*

Next call – Nov/Dec options?

*Will try to hold before Thanksgiving if possible. If not, early December will be the next call.*