

5/22/18 – Control Measures Workgroup Subcommittee Call #1

WRAP-Tom Moore
MT - Craig Hendrikson
MT - Rebecca Harbage
NM- Kerwin Singleton
CA - Tina Suarez-Murias
NV - Frank Forsgren
AZ - Elias Toon
WY - Rob Leteff
NPS - Pat Brewer
CO – Jeremy Neustifter
CO – Curt Taipale

- 1) Meeting Schedule
 - a. Curt proposed call in July – Monthly Calls
 - b. Homework: look at 2014 NEI v. 2 NOx, SO2, and PM Sources
- 2) 2014 NEI v.2 Analysis for Colorado
 - a. Curt: His analysis was sort of ad hoc but intended to look at 80%
- 3) Frank F: FLMs want us to look at PM10 and fine soils in control analysis
 - a. Fine soil – it's hard to know what the emission sources are
 - b. Pat – pretty poor performance in CAMx for course mass – e3 episodic takes out the days of course mass and fine soil – talk to monitoring committee, does course mass and fine soil even play a major role on 20% most impaired.
 - c. Need the TSS 2 up and running to get 20% most impaired
- 4) Tom - Parallel track question
 - a. Addressing 4 factors
 - b. Series of outlining and a series of relatively short work products that we could work with for monthly calls
 - c. Tom says the linkages of observed sulfate and nitrate etc. will fall after we do some screening for control planning, over the next 6 to 8 months.
 - d. Tina: each state needs to screen in a documented way, which individual facilities and source categories are worth looking at for 4 factor analysis
- 5) Tom – let's be pragmatic about having an agency by agency internal discussion for which sources we will look at.
 - a. Could look at species by species possibly
- 6) Curt will help develop a working outline such as Tom has described
 - a. Frank NV hasn't had a discussion with management but they plan to start with largest sources, especially those that didn't get controls installed for BART
 - b. Tina – CA will look at all BART sources to see if additional controls may be worthwhile even if it comes out in the analysis that there are no additional suitable controls
 - c. Kerwin NM – they have some big coal fired EGU's that will be looked out that skirted BART
- 7) Tom – Post PSD sources from 90's that haven't been looked at since the initial permit may be worth looking at
- 8) Pat – Pivot tables were helpful as a reviewer

- a. Tom – States need to document and ask for pivot tables in initial work product
- 9) Curt: without CALPUFF how do we identify sources that are impacting visibility at specific class one areas
 - a. In CO we did Q/D first
 - b. Is this appropriate in absence of some sort of meeting
 - c. Should we use residence time – which would require modeling support for that
 - d. Jim Boylan’s approach with residence time was done through back trajectories
 - i. Can be done with wind direction and probability of influence
 - e. We did a weighted emissions potential first round which is on the TSS
 - f. This is a step up from Q/D and could be used again – Curt can send out some WEP maps that were customized for CO in first round
- 10) Visibility – 5th factor, will we use again? Are there other models out there that are not CALPUFF?
 - a. Hard to do visibility impacts on a single source
 - b. Frank suggests doing a pros and cons analysis for using the 5th factor
 - c. Curt: sensitivity analyses could be useful to understand the new metric
- 11) Next meeting after 4th of July holiday – Wednesday’s around 9 am MDT?

Action Items

- 1) States should look at 2014 NEI v.2 and begin consideration of potential source categories to look at for round 2
- 2) Pat Brewer will send out links to emission inventory pivot tables
- 3) Curt Taipale will send out weighted emission potential (WEP) maps