

## RHPWG – Modeling & Emissions Inventory Subcommittee

Conference call 7/26/2018

Notes by Cindy, NMED

**Present: Molly (AK), Ryan (AZ), Tina, Alex & Jim (CA), Curt & Dale & Jeremy (CO), Frank & ?? (??), Roslyn, Cindy & Mark (NM), Earl (SD), Farren (WA), Tom, Pat, Mike (RTO), Rhonda (MT), Amanda (RAQC)Rodger (CIRA)**

### 1. Administrative

[http://www.wrapair2.org/RHP\\_InvMod.aspx](http://www.wrapair2.org/RHP_InvMod.aspx) - Subcommittee web page

[Western U.S. regional analysis - 2014 NEIv2 Emissions Inventory Review for Regional Haze Modeling -](#)

Wiki page has been updated

### 2. Recent updates from state NEI review

Oregon – looks okay; will look at facilities

Alaska – some inconsistencies:

- marine operations deficiencies
- aircraft & airport data listed as point sources
- railroad data gaps
- nonpoint sources missing due to lack of input from AK (including O&G sources)
- unpaved road dust exceptionally high for certain areas – not sure why (questionable data?)
- wildfires/prescribed fires do not match data from smoke management plan (big differences)
  - Perhaps pass comments specific to fire to Tom for Fire/Smoke Work Group

California – will send revisions to Rodger (feedlots, especially)

- Top 10 EGUs / non-EGUs match very well
- 13 discrepancies (4 EGUs, 9 non-EGUs) – submitted to Rodger correct info
- Nonpoint discrepancies due to how they mapped sectors – identified some problems (such as cattle feedlots got SCC codes mixed up)
- May still need to check on wildfires & biogenics

Wyoming – facility emissions not in NEI; concerns about unpaved road dust

New Mexico – concerns about unpaved road dust

Montana – found some errors in O&G and Fire/Smoke emissions

(O&G + Fire/Smoke Work Groups are taking a closer look at their portions)

### 3. Road Dust concerns

2011/2014 change in EPA methodology – reduced road dust in NM by 50% for 2014; still much higher than CO, AZ, CA & TX; have not compared to AK

- VMT obtained from MOVES run rather than NNIM run
- Separates into paved & unpaved roads values based on census region level ratios

**Did this happen in other states? (look at trends)** – or create methodology for states to use

AZ – deals with road dust – a lot of PM10 nonattainment areas in State

- bottom-up calculation shows differences due to silt content + VMT data (collect every time we do a nonattainment area since we don't typically collect data)

MT – not a huge drop from 2011-2014

When looking at methodology, also look at specific counties with CIAs

EPA Sharepoint site has updated traffic count data but it doesn't seem they've done much with it

#### **4. Point source stack parameter review (in progress)**

Posted on Wiki (2014 NEI v2 Inventory Review)

- July 26 materials – reference for states to check which facilities did not report stack height; includes SCC info and default stack data (many SCCs not in that list, so they default back to fugitive/catchall) – **states should take a look for large emissions with missing stack parameters**
- Last column – SMOKE doesn't need both flow and velocity; can use stack diameter and velocity to calculate flow
- CARB did not send stack parameters – will work on that now, but have to get info from 35 air districts; data not separated out by release point? FF10 file needs this info
- Alaska has been updating their data and can check to be sure those updates are included
- Mostly, states need to check to be sure facilities have included stack parameters

Add updates in green column

Compile a table that summarizes changes that states want made (for contractors)

#### **5. Minor source inclusion needs (with nonpoint subtraction?)**

Washington did Q/d analysis and asked for additional minor sources from local agencies; found 2 that should be included in model run

**Are there minor sources close to CIAs or specific sectors that should be added?**

Alaska – also incorporate minor sources in nonattainment areas that can affect CIAs

California – clarify definition of minor source? (facility that states can get emissions for that are not reported to EPA but need to subtract those from the appropriate nonpoint category so there is no double counting)

Montana – some portable sources may need to be looked at, but we don't have a lot of emission data (just throughpoint data)

Are we "reclassifying" these sources? May need to include in report – supply info to Curt. (Not really reclassifying; more like recharacterizing area sources and separating out more accurate info from minor sources, depending on type of facility)

- No double counting in CO since they report minor sources as point sources to EPA
- For Control Measures subcommittee, this subcommittee may need to provide some context as to approach
- A lot of double counting is for engines' and boilers' fuel use – EPA uses EIA data
- Not a big category for WA
- FTP site for 2014 NEI has a lot of documentation on how calculations were done – for determining whether double counting is a concern

## 6. Recommendations for source-apportionment categories?

What categories are states most interested in? (perhaps each state can suggest top 3 that might not otherwise be included), for example:

- Residential wood combustion
- Unpaved road dust
- (Assume categories from last RH effort will still be included? Tom will send last round's apportionment categories to the rest of the group)

## 7. Action items

States should take a look at:

- Compare 2011 and 2014 unpaved road dust – did EPA methodology make a difference? What methodology should states use?
- Look at 2014 v2 Inventory Review Wiki – are there large emission sources that are missing stack parameters? (supply if this information is available)
- Are there minor source info that can be added, especially those near CIAs or important sectors? Is double counting a concern? (Check FTP site for helpful information about whether double counting may be an issue)
- Suggest top 3 source-apportionment categories, especially those that might not otherwise be included, in modeling. Tom will send around the categories from the first RH planning effort.

## 8. Next meeting: August 30, 11:00 PDT (12:00 MDT, 10:00 AK)