

**From:** Herron-Thorpe, Farren (ECY) fher461@ECY.WA.GOV  
**Subject:** FW: Regional Haze Inventory Check for 2014 Base Year modeling  
**Date:** June 5, 2018 at 12:53 PM  
**To:** Tom Moore tmoore@westar.org



**From:** Taipale - CDPHE, Curtis [mailto:curtis.taipale@state.co.us]  
**Sent:** Wednesday, May 16, 2018 2:34 PM  
**To:** Herron-Thorpe, Farren (ECY) <fher461@ECY.WA.GOV>  
**Cc:** Neustifter - CDPHE, Jeremy <jeremy.neustifter@state.co.us>  
**Subject:** Re: Regional Haze Inventory Check for 2014 Base Year modeling

Hi Farren,

I checked with Dale Wells our emission inventory expert, and Colorado's 2014 NEI v2 has been reviewed by Dale. He confirmed that he did not find any double counting of emissions and all sectors appear consistent with our data. Thus, we do not have any suggested changes.

Thanks,  
Curt

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**Curtis Taipale**  
State Implementation Plan - Technical Development Unit Supervisor  
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Are you curious about ground-level ozone in Colorado? Visit our [ozone webpage](#) to learn more.

On Wed, May 16, 2018 at 10:11 AM, Herron-Thorpe, Farren (ECY) <[fher461@ecy.wa.gov](mailto:fher461@ecy.wa.gov)> wrote:

All,

As you may know, we will be combining the RHPWG Modeling Protocol and Emissions Inventory subcommittees. There is a lot of overlap, so really there is only a difference of 2 people. We will have our first meeting sometime in June.

Tina Suarez-Murias sent out an email on May 1 (see below), asking that states look at the 2014 NEI v2 and submit their changes/confirmations to us by May 15. That date has

2014 NEI v2 and submit their changes/commitments to us by May 15. That date has passed and so far as I know we have not received many comments. There is still time to provide updates though, so if people need a few more weeks I think that is OK. We are asking that states provide any updated emissions with a brief memo explaining the changes.

I've attached the sector summary spreadsheet and charting tool that I sent to the EI subcommittee last week for states to look at the 2014 NEI v2 by county. That may be a good way to look at which sectors are most important and may need updates. The EPA has also provided a link to the draft technical documentation, which would be worthwhile for states to look at to see if emissions estimation methodology is reasonable for their sectors of concern.

[ftp://newftp.epa.gov/Air/nei/2014/doc/NEI2014v2\\_TSD\\_Draft\\_508\\_01may2018.docx](ftp://newftp.epa.gov/Air/nei/2014/doc/NEI2014v2_TSD_Draft_508_01may2018.docx)

Please let me know if your state needs additional materials (e.g. SCC-level emissions) for this process.

Thank you,

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**From:** Suarez-Murias, Christine@ARB [mailto:[christine.suarez-murias@arb.ca.gov](mailto:christine.suarez-murias@arb.ca.gov)]  
**Sent:** Tuesday, May 01, 2018 6:43 PM  
**To:** Suarez-Murias, Christine@ARB <[christine.suarez-murias@arb.ca.gov](mailto:christine.suarez-murias@arb.ca.gov)>; [jbaker@utah.gov](mailto:jbaker@utah.gov); [molly.birnbaum@alaska.gov](mailto:molly.birnbaum@alaska.gov); [Templeton.Ryan@azdeq.gov](mailto:Templeton.Ryan@azdeq.gov); [emerta@cabq.gov](mailto:emerta@cabq.gov); [curtis.taipale@state.co.us](mailto:curtis.taipale@state.co.us); [michael.madsen@doh.hawaii.gov](mailto:michael.madsen@doh.hawaii.gov); [Carl.Brown@deq.idaho.gov](mailto:Carl.Brown@deq.idaho.gov); [rharbage@mt.gov](mailto:rharbage@mt.gov); [bharprin@ndep.nv.gov](mailto:bharprin@ndep.nv.gov); [Cindy.Hollenberg@state.nm.us](mailto:Cindy.Hollenberg@state.nm.us); [rwhite@nd.gov](mailto:rwhite@nd.gov); [jeffrey.g.stocum@state.or.us](mailto:jeffrey.g.stocum@state.or.us); [rick.boddicker@state.sd.us](mailto:rick.boddicker@state.sd.us); Huys, Jean-Paul (ECY) <[jhuy461@ECY.WA.GOV](mailto:jhuy461@ECY.WA.GOV)>; [amber.potts@wyo.gov](mailto:amber.potts@wyo.gov)  
**Cc:** Tom Moore <[tmoore@westar.org](mailto:tmoore@westar.org)>; [fforsgre@ndep.nv.gov](mailto:fforsgre@ndep.nv.gov); Brewer, Patricia <[patricia\\_f\\_brewer@nps.gov](mailto:patricia_f_brewer@nps.gov)>; Julie Simpson <[julies@nezperce.org](mailto:julies@nezperce.org)>  
**Subject:** Regional Haze Inventory Check for 2014 Base Year modeling

Greetings Again-

This is just a reminder that each western state should be looking at the 2014 NEI v.2 published by EPA in February 2018 to see if they find all the categories acceptable, as is, for regional haze modeling. Please affirm with Tom Moore ([tmoore@westar.gov](mailto:tmoore@westar.gov)) by May 15 that all is OK.

If you want some categories adjusted, also let him know by then. You will need to follow up with the adjustments and a written explanation of the reason.

Consider if the adjustment is critical. For instance, Washington state noticed that a factor for dust should be different in two parts of the state with very different relative humidity and sent Tom the corrections with an explanation of their adjusted inventory category calculations. While California has not responded yet, CARB is considering whether the precise results from our EMFAC model, rather than MOBILE, should be used for regional haze modeling because mobile emissions are the largest of our anthropogenic precursor inventories. As another example, CARB staff is also evaluating whether our biogenic emissions calculated through BEGIS or MEGAN should be used or whether the difference is close enough to go with what US EPA reported.

If you have any questions about level of precision, I suggest the modelers and the emissions inventory staff in your state talk it over and then check with Tom. He and the WRAP modelers may already have tried some sensitivity runs using 2011 data that will inform the decision of which adjustments to make, if any, for a particular category.

Thanks for your help from the WRAP Regional Haze Planning Work Group Co-Chairs.  
Please cc us on your response too!

Tina Suarez-Murias

Jay Baker

**Christine M. Suarez-Murias, AICP**

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