

**From:** Ryan C. Templeton [Templeton.Ryan@azdeq.gov](mailto:Templeton.Ryan@azdeq.gov)  
**Subject:** RE: high priority - read this E-Mail and links included for RHPWG's Emissions and Modeling Subcommittee  
**Date:** June 27, 2018 at 2:56 PM  
**To:** Tom Moore [tmoore@westar.org](mailto:tmoore@westar.org), Herron-Thorpe, Farren (ECY) [fher461@ECY.WA.GOV](mailto:fher461@ECY.WA.GOV),  
Rodger Ames [Rodger.Ames@colostate.edu](mailto:Rodger.Ames@colostate.edu) [Rodger.Ames@ColoState.EDU](mailto:Rodger.Ames@ColoState.EDU)  
**Cc:** Elias Toon [Toon.Elias@azdeq.gov](mailto:Toon.Elias@azdeq.gov)

RT

Hey Tom,

All of the topics in round 1 were reviewed in our original submissions, with the exception of possibly mobile sources. I requested feedback from our internal EI group for the Emissions and Modeling subcommittee effort but I just noticed that I did not receive feedback from our mobile sources expert, so I will follow up with him and get back to you.

Assuming no other information is coming your way and you would like our negative declaration in a memo I can do that, just let me know.

Ryan Templeton  
Environmental Engineer Specialist  
Air Quality Improvement Planning Section  
Air Quality Division, Arizona Department of Environmental Quality  
1110 W. Washington Street  
Phoenix, AZ 85007  
(602) 771-4230  
[rct@azdeq.gov](mailto:rct@azdeq.gov)

---

**From:** Tom Moore [<mailto:tmoore@westar.org>]  
**Sent:** Wednesday, June 27, 2018 1:27 PM  
**To:** Ryan C. Templeton <[Templeton.Ryan@azdeq.gov](mailto:Templeton.Ryan@azdeq.gov)>; Herron-Thorpe, Farren (ECY) <[fher461@ECY.WA.GOV](mailto:fher461@ECY.WA.GOV)>; Rodger Ames [Rodger.Ames@colostate.edu](mailto:Rodger.Ames@colostate.edu) <[Rodger.Ames@ColoState.EDU](mailto:Rodger.Ames@ColoState.EDU)>  
**Cc:** Elias Toon <[Toon.Elias@azdeq.gov](mailto:Toon.Elias@azdeq.gov)>  
**Subject:** RE: high priority - read this E-Mail and links included for RHPWG's Emissions and Modeling Subcommittee

Thanks, just double-checking that you applied the criteria listed at:  
[http://views.cira.colostate.edu/wiki/Attachments/2014v2\\_Review/WRAP%20Regional%20Haze%20-%202014NEIv2%20data%20review%20May%202022\\_2018.pdf](http://views.cira.colostate.edu/wiki/Attachments/2014v2_Review/WRAP%20Regional%20Haze%20-%202014NEIv2%20data%20review%20May%202022_2018.pdf) It's fine if you didn't but that's the question we will be asking everyone.

*Tom Moore, WRAP Air Quality Program Manager  
Western States Air Resources Council (WESTAR) | e: [tmoore@westar.org](mailto:tmoore@westar.org) | o: 970.491.8837  
Western Regional Air Partnership | [www.wrapair2.org](http://www.wrapair2.org)*

---

**From:** Ryan C. Templeton [<mailto:Templeton.Ryan@azdeq.gov>]  
**Sent:** Wednesday, June 27, 2018 2:21 PM  
**To:** Tom Moore <[tmoore@westar.org](mailto:tmoore@westar.org)>; Herron-Thorpe, Farren (ECY) <[fher461@ECY.WA.GOV](mailto:fher461@ECY.WA.GOV)>;  
Rodger Ames [Rodger.Ames@colostate.edu](mailto:Rodger.Ames@colostate.edu) <[Rodger.Ames@ColoState.EDU](mailto:Rodger.Ames@ColoState.EDU)>

**Cc:** Elias Toon <[Toon.Elias@azdeq.gov](mailto:Toon.Elias@azdeq.gov)>

**Subject:** RE: high priority - read this E-Mail and links included for RHPWG's Emissions and Modeling Subcommittee

Hey Farren, Tom, and Rodger

I wanted to let you know that Arizona reviewed the 2014 NEI data during the initial EPA submittal process and during the version 2 submittal process and provided feedback to EPA at those times. In addition, we looked briefly back over the data recently, in response to your request to review the 2014 NEI v2 data, and did not find any issues that currently stand out to us. So you can mark us down as no substitution needed.

Sorry for the late response.

Ryan Templeton  
Environmental Engineer Specialist  
Air Quality Improvement Planning Section  
Air Quality Division, Arizona Department of Environmental Quality  
1110 W. Washington Street  
Phoenix, AZ 85007  
(602) 771-4230  
[rct@azdeq.gov](mailto:rct@azdeq.gov)

---

**From:** Tom Moore [<mailto:tmoore@westar.org>]

**Sent:** Wednesday, June 6, 2018 12:01 PM

**To:** Higgin, Roslyn, NMENV <[Roslyn.Higgin@state.nm.us](mailto:Roslyn.Higgin@state.nm.us)>; Herron-Thorpe, Farren (ECY) <[fher461@ECY.WA.GOV](mailto:fher461@ECY.WA.GOV)>; Elias Toon <[Toon.Elias@azdeq.gov](mailto:Toon.Elias@azdeq.gov)>; Ryan C. Templeton <[Templeton.Ryan@azdeq.gov](mailto:Templeton.Ryan@azdeq.gov)>; Jones, Mark, NMENV <[Mark.Jones@state.nm.us](mailto:Mark.Jones@state.nm.us)>; [jeremy.neustifter@state.co.us](mailto:jeremy.neustifter@state.co.us); [curtis.taipale@state.co.us](mailto:curtis.taipale@state.co.us); [repayne@mt.gov](mailto:repayne@mt.gov); [scoe@mt.gov](mailto:scoe@mt.gov); [bharprin@ndep.nv.gov](mailto:bharprin@ndep.nv.gov); [fforsgre@ndep.nv.gov](mailto:fforsgre@ndep.nv.gov); [jbaker@utah.gov](mailto:jbaker@utah.gov); Brewer Pat <[patricia\\_f\\_brewer@nps.gov](mailto:patricia_f_brewer@nps.gov)>; Briggs - CDPHE, Kevin <[kevin.briggs@state.co.us](mailto:kevin.briggs@state.co.us)>; Hollenberg, Cindy, NMENV <[Cindy.Hollenberg@state.nm.us](mailto:Cindy.Hollenberg@state.nm.us)>

**Cc:** Rodger Ames [Rodger.Ames@colostate.edu](mailto:Rodger.Ames@colostate.edu) <[Rodger.Ames@ColoState.EDU](mailto:Rodger.Ames@ColoState.EDU)>

**Subject:** high priority - read this E-Mail and links included for RHPWG's Emissions and Modeling Subcommittee

**Importance:** High

Hi, Roslyn and all – thanks for this additional file. We are coordinating the review and comments through the wiki at: <http://views.cira.colostate.edu/wiki/wiki/9191/western-us-regional-analysis-2014-neiv2-emissions-inventory-review-for-regi>

Farren's original file is posted on that wiki at:

[http://views.cira.colostate.edu/wiki/Attachments/2014v2\\_Review/2014v2\\_allsector\\_summary\\_WRAP\\_crosstab.xlsx](http://views.cira.colostate.edu/wiki/Attachments/2014v2_Review/2014v2_allsector_summary_WRAP_crosstab.xlsx). We will also post the file Roslyn just sent.

There's a memo on the wiki describing the initial review of 2014 NEI v2 data that is suggested:

[http://views.cira.colostate.edu/wiki/Attachments/2014v2\\_Review/WRAP%20Regional%20Haze%20Review%20Memo.pdf](http://views.cira.colostate.edu/wiki/Attachments/2014v2_Review/WRAP%20Regional%20Haze%20Review%20Memo.pdf)

---

[20-%202014NEIv2%20data%20review%20May%2022\\_2018.pdf](#)

**Please copy Rodger Ames from CIRA with any review conclusions you send, so he can plug them in on the wiki.**

I have also attached the May 22<sup>nd</sup> E-Mail I sent out after communicating with Farren, to kick off the formal review.

It will be good to have a call of the Emissions and Modeling Subcommittee to get everyone better synchronized on this, and also to anticipate upcoming review needs for EIs.

Thanks.

*Tom Moore, WRAP Air Quality Program Manager  
Western States Air Resources Council (WESTAR) | e: [tmoore@westar.org](mailto:tmoore@westar.org) | o: 970.491.8837  
Western Regional Air Partnership | [www.wrapair2.org](http://www.wrapair2.org)*

---

**From:** Higgin, Roslyn, NMENV [<mailto:Roslyn.Higgin@state.nm.us>]  
**Sent:** Wednesday, June 6, 2018 12:21 PM  
**To:** Herron-Thorpe, Farren (ECY) <[fher461@ECY.WA.GOV](mailto:fher461@ECY.WA.GOV)>; [Toon.Elias@azdeq.gov](mailto:Toon.Elias@azdeq.gov);  
[Templeton.Ryan@azdeq.gov](mailto:Templeton.Ryan@azdeq.gov); Jones, Mark, NMENV <[Mark.Jones@state.nm.us](mailto:Mark.Jones@state.nm.us)>;  
[jeremy.neustifter@state.co.us](mailto:jeremy.neustifter@state.co.us); [curtis.taipale@state.co.us](mailto:curtis.taipale@state.co.us); [repayne@mt.gov](mailto:repayne@mt.gov); [scoe@mt.gov](mailto:scoe@mt.gov);  
[bharprin@ndep.nv.gov](mailto:bharprin@ndep.nv.gov); [fforsgre@ndep.nv.gov](mailto:fforsgre@ndep.nv.gov); [jbaker@utah.gov](mailto:jbaker@utah.gov); Tom Moore  
<[tmoore@westar.org](mailto:tmoore@westar.org)>; Brewer Pat <[patricia\\_f\\_brewer@nps.gov](mailto:patricia_f_brewer@nps.gov)>; Briggs - CDPHE, Kevin  
<[kevin.briggs@state.co.us](mailto:kevin.briggs@state.co.us)>; Hollenberg, Cindy, NMENV <[Cindy.Hollenberg@state.nm.us](mailto:Cindy.Hollenberg@state.nm.us)>  
**Subject:** RE: Regional Haze Planning Workgroup Emissions Inventory Subcommittee

All,

Please review the attached 2014 NEI v2 summary for your state that Farren created. In the green tab along the top, use the dropdown menu to select your state. This is another way to review the data in your state. The summary calculates the anthropogenic totals and 80% threshold at the bottom of the page. This is helpful to ensure consistent calculations are used moving forward.

Farren, your work is greatly appreciated. Thank you!

Regards,

*Roslyn Higgin*

Emissions Inventory Specialist  
Air Quality Bureau  
New Mexico Environment Department  
525 Camino de los Marquez  
Santa Fe, New Mexico 87505

Phone: 505-476-4319

FAX: 505-476-4375

[Roslyn.Higgin@state.nm.us](mailto:Roslyn.Higgin@state.nm.us)

Please consider the environment before printing this e-mail.

This email is intended to serve as general guidance and is in no way a formal statement of Department policy. Unique operating conditions may result in different determinations and may require a site specific analysis to accurately determine requirements and applicability.

---

**From:** Herron-Thorpe, Farren (ECY) [<mailto:fherr461@ECY.WA.GOV>]

**Sent:** Friday, May 11, 2018 4:39 PM

**To:** [Toon.Elias@azdeq.gov](mailto:Toon.Elias@azdeq.gov); [Templeton.Ryan@azdeq.gov](mailto:Templeton.Ryan@azdeq.gov); Jones, Mark, NMENV <[Mark.Jones@state.nm.us](mailto:Mark.Jones@state.nm.us)>; Higgin, Roslyn, NMENV <[Roslyn.Higgin@state.nm.us](mailto:Roslyn.Higgin@state.nm.us)>; [jeremy.neustifter@state.co.us](mailto:jeremy.neustifter@state.co.us); [curtis.taipale@state.co.us](mailto:curtis.taipale@state.co.us); [repayne@mt.gov](mailto:repayne@mt.gov); [scoe@mt.gov](mailto:scoe@mt.gov); [bharprin@ndep.nv.gov](mailto:bharprin@ndep.nv.gov); [fforsgre@ndep.nv.gov](mailto:fforsgre@ndep.nv.gov); [jbaker@utah.gov](mailto:jbaker@utah.gov); [tmoore@westar.org](mailto:tmoore@westar.org); Brewer Pat <[patricia\\_f\\_brewer@nps.gov](mailto:patricia_f_brewer@nps.gov)>; Briggs - CDPHE, Kevin <[kevin.briggs@state.co.us](mailto:kevin.briggs@state.co.us)>

**Subject:** RE: Regional Haze Planning Workgroup Emissions Inventory Subcommittee

Hi All,

Attached is a sector summary spreadsheet that I derived from the NEI v2 sector summary file. There is also a tab for charting where you can select your state/county. This doesn't separate things by Point/Nonpt/Onroad/Nonroad but I thought it would be a good place to start. If anyone has a need for a summary that does separate the data by point/nonpoint/onroad/nonroad, please let me know and I can get that compiled.

Farren L. Herron-Thorpe

Modeling & Emissions Inventory Scientist

Air Quality Program, Washington State Dept. of Ecology

P.O. Box 47600, Olympia, WA 98504-7600

Telephone: (360) 407-7658

Email: [farren.herron-thorpe@ecy.wa.gov](mailto:farren.herron-thorpe@ecy.wa.gov)

---

**From:** Herron-Thorpe, Farren (ECY)

**Sent:** Thursday, May 10, 2018 7:50 AM

**To:** 'Toon.Elias@azdeq.gov' <[Toon.Elias@azdeq.gov](mailto:Toon.Elias@azdeq.gov)>; 'Templeton.Ryan@azdeq.gov' <[Templeton.Ryan@azdeq.gov](mailto:Templeton.Ryan@azdeq.gov)>; 'Mark.Jones@state.nm.us' <[Mark.Jones@state.nm.us](mailto:Mark.Jones@state.nm.us)>; 'roslyn.higgin@state.nm.us' <[roslyn.higgin@state.nm.us](mailto:roslyn.higgin@state.nm.us)>; 'jeremy.neustifter@state.co.us' <[jeremy.neustifter@state.co.us](mailto:jeremy.neustifter@state.co.us)>; 'curtis.taipale@state.co.us' <[curtis.taipale@state.co.us](mailto:curtis.taipale@state.co.us)>; 'repayne@mt.gov' <[repayne@mt.gov](mailto:repayne@mt.gov)>; 'scoe@mt.gov' <[scoe@mt.gov](mailto:scoe@mt.gov)>; 'bharprin@ndep.nv.gov' <[bharprin@ndep.nv.gov](mailto:bharprin@ndep.nv.gov)>; 'fforsgre@ndep.nv.gov' <[fforsgre@ndep.nv.gov](mailto:fforsgre@ndep.nv.gov)>; 'jbaker@utah.gov' <[jbaker@utah.gov](mailto:jbaker@utah.gov)>; 'tmoore@westar.org' <[tmoore@westar.org](mailto:tmoore@westar.org)>; 'Brewer Pat' <[patricia\\_f\\_brewer@nps.gov](mailto:patricia_f_brewer@nps.gov)>; 'Briggs - CDPHE, Kevin' <[kevin.briggs@state.co.us](mailto:kevin.briggs@state.co.us)>

**Subject:** RE: Regional Haze Planning Workgroup Emissions Inventory Subcommittee

FYI, I will be sending out a sub-sector summary of the NEIv2 for states to use (by county, by CAP) sometime in the next few days. Perhaps there is a WRAP online location I can post to? The data is cumbersome to process but we've already done some of the work here, so I thought it would be useful to share that for those that haven't acquired all the files yet. Structured

be useful to share that for those that haven't acquired all the files yet. Stay tuned.

Farren L. Herron-Thorpe  
Modeling & Emissions Inventory Scientist  
Air Quality Program, Washington State Dept. of Ecology  
P.O. Box 47600, Olympia, WA 98504-7600  
Telephone: (360) 407-7658  
Email: [farren.herron-thorpe@ecy.wa.gov](mailto:farren.herron-thorpe@ecy.wa.gov)

---

**From:** Herron-Thorpe, Farren (ECY)  
**Sent:** Wednesday, May 09, 2018 3:07 PM  
**To:** 'Toon.Elias@azdeq.gov' <[Toon.Elias@azdeq.gov](mailto:Toon.Elias@azdeq.gov)>; 'Templeton.Ryan@azdeq.gov' <[Templeton.Ryan@azdeq.gov](mailto:Templeton.Ryan@azdeq.gov)>; 'Mark.Jones@state.nm.us' <[Mark.Jones@state.nm.us](mailto:Mark.Jones@state.nm.us)>; 'roslyn.higgin@state.nm.us' <[roslyn.higgin@state.nm.us](mailto:roslyn.higgin@state.nm.us)>; 'jeremy.neustifter@state.co.us' <[jeremy.neustifter@state.co.us](mailto:jeremy.neustifter@state.co.us)>; 'curtis.taipale@state.co.us' <[curtis.taipale@state.co.us](mailto:curtis.taipale@state.co.us)>; 'repayne@mt.gov' <[repayne@mt.gov](mailto:repayne@mt.gov)>; 'scoe@mt.gov' <[scoe@mt.gov](mailto:scoe@mt.gov)>; 'bharprin@ndep.nv.gov' <[bharprin@ndep.nv.gov](mailto:bharprin@ndep.nv.gov)>; 'fforsgre@ndep.nv.gov' <[fforsgre@ndep.nv.gov](mailto:fforsgre@ndep.nv.gov)>; 'jbaker@utah.gov' <[jbaker@utah.gov](mailto:jbaker@utah.gov)>; 'tmoore@westar.org' <[tmoore@westar.org](mailto:tmoore@westar.org)>; 'Brewer Pat' <[patricia\\_f\\_brewer@nps.gov](mailto:patricia_f_brewer@nps.gov)>; 'Briggs - CDPHE, Kevin' <[kevin.briggs@state.co.us](mailto:kevin.briggs@state.co.us)>  
**Subject:** RE: Regional Haze Planning Workgroup Emissions Inventory Subcommittee

All,

Looks like we are headed towards some reorganization. Tom sent me an email today suggesting that we merge the Emissions Inventory and the Modeling Protocol Subcommittees. So, we won't be having a call until early June, after that reorganization can be finalized (assuming it occurs).

In the meantime, I suggest that we all continue to review the 2014 NEI v2 to see if there are updates to specific categories that would be desired by your state's planners. The base year modeling run for regional haze will benefit from any updates that we can provide. Let me know if you need any of the NEI data sub-setted or summarized for your efforts... I have it all on disk here so I can pull out pieces for you if you like.

Farren L. Herron-Thorpe  
Modeling & Emissions Inventory Scientist  
Air Quality Program, Washington State Dept. of Ecology  
P.O. Box 47600, Olympia, WA 98504-7600  
Telephone: (360) 407-7658  
Email: [farren.herron-thorpe@ecy.wa.gov](mailto:farren.herron-thorpe@ecy.wa.gov)

---

**From:** Herron-Thorpe, Farren (ECY)  
**Sent:** Tuesday, May 08, 2018 3:26 PM  
**To:** 'Toon.Elias@azdeq.gov' <[Toon.Elias@azdeq.gov](mailto:Toon.Elias@azdeq.gov)>; 'Templeton.Ryan@azdeq.gov' <[Templeton.Ryan@azdeq.gov](mailto:Templeton.Ryan@azdeq.gov)>; 'Mark.Jones@state.nm.us' <[Mark.Jones@state.nm.us](mailto:Mark.Jones@state.nm.us)>; 'roslyn.higgin@state.nm.us' <[roslyn.higgin@state.nm.us](mailto:roslyn.higgin@state.nm.us)>; 'jeremy.neustifter@state.co.us' <[jeremy.neustifter@state.co.us](mailto:jeremy.neustifter@state.co.us)>; 'curtis.taipale@state.co.us' <[curtis.taipale@state.co.us](mailto:curtis.taipale@state.co.us)>; 'repayne@mt.gov' <[repayne@mt.gov](mailto:repayne@mt.gov)>; 'scoe@mt.gov' <[scoe@mt.gov](mailto:scoe@mt.gov)>; 'bharprin@ndep.nv.gov' <[bharprin@ndep.nv.gov](mailto:bharprin@ndep.nv.gov)>; 'fforsgre@ndep.nv.gov' <[fforsgre@ndep.nv.gov](mailto:fforsgre@ndep.nv.gov)>; 'jbaker@utah.gov' <[jbaker@utah.gov](mailto:jbaker@utah.gov)>; 'tmoore@westar.org' <[tmoore@westar.org](mailto:tmoore@westar.org)>; Brewer Pat

<[patricia\\_f\\_brewer@nps.gov](mailto:patricia_f_brewer@nps.gov)>

**Subject:** Regional Haze Planning Workgroup Emissions Inventory Subcommittee

Hello RHPWG EI Subcommittee members!

Chris Swab is leaving Oregon DEQ, so he had to step down as RHPWG EI Subcommittee lead. Apparently his wife got a great job in Boston and they are moving. Chris suggested that I take over as lead, and I will do my best to fill the role.

I would like to have a conference call to discuss where we are, and where we are going. We need to decide on how regularly we want to meet, review the key tasks for our subcommittee, and get state input on the 2014 NEI v2.

Please respond to the doodle poll (link below) so we can figure out what day/time to meet. I will send out calendar invites and an agenda to the group at the end of this week.

<https://doodle.com/poll/btcb5hsmw63q4rcx>

Thank you!

Farren L. Herron-Thorpe  
Modeling & Emissions Inventory Scientist  
Air Quality Program, Washington State Dept. of Ecology  
P.O. Box 47600, Olympia, WA 98504-7600  
Telephone: (360) 407-7658  
Email: [farren.herron-thorpe@ecy.wa.gov](mailto:farren.herron-thorpe@ecy.wa.gov)