

August 7, 2018 Regional Haze Planning Work Group Bimonthly Call - Notes

1. Welcome and roll call

HI, AK, WA, OR, CA, AZ, NV, UT, ID, MT, WY, CO, NM, ND, SD, NPS, FWS, BLM, WRAP, WESTAR, EPA R6/8/9/10, WRAP Work Groups (O&G, TSC, Tribal Data)

2. [June 5, 2018 RHPWG call notes](#)

No Comments – Contact Jay Baker or Tina Suarez-Murias for corrections

Note Takers – will be notified in advance (Washington for this conference call)

3. Note-Taking Schedule

Conference Call Date	Note-taking Responsibility
October 2, 2018	Utah
Salt Lake City, December 4-6, 2018	Will be recorded
February 5, 2019	South Dakota
April 2, 2019	Oregon
June 4, 2019	North Dakota
August 6, 2019	New Mexico
October 1, 2019	Nevada
December 3, 2019	Montana

4. Status of 2018-19 Work Plan Activities

- a. Draft RH Task List Progress: Balancing Internal & External Commitments and Schedules (*refer to RHPWG Staff Staffing.doc*)

This document was created to help track tasks and determine the staffing needs of each state. The tasks listed 1-8 identify individual staff & tasks, data needs and duration of the tasks. Subcommittee leads should contact Frank to update or refine task durations. Please respond by end of August.

This is a new format that will be presented to the WESTAR Business Council during the fall meeting (Sept 18-19).

Comments: Farren may need to double his time since the Emissions Inventory and Modeling Protocol Subcommittees have been combined. This task list will help air directors determine how much time and personnel each task will take. It will also help us make sure that things get done on time. Should include time spent contributing to Work Groups and Subcommittees.

- b. Protocol for Coordination and Communication (*refer to WRAP [Work Group Guidance: Communication and Coordination](#) - August 1 2018 final.pdf*)

Make sure we all follow this so that the planning process remains organized and transparent. In next month or two, there will be a separate memo regarding deliverables and work product approvals.

- c. USFS Regional Haze contacts letter (*refer to WRAPletter - USFS RHcontacts.docx*)
Bret Anderson from the Forest Service sent WESTAR a letter with a list of key contacts for each state.
- d. Web based Calendar for Work Group Meetings and Conference calls (*refer to Technical Meeting calendar.ppt*)
WRAP is launching an on-line calendar for scheduling workgroup and subcommittee meetings. The hope is that this tool will improve communication between committees and make it easier to avoid double booking. The calendar can also be used to keep track of tasks and make sure everything is consistent. It will include links to documents that are part of each meeting. The calendar will be made available in a couple weeks. Co-chairs and subcommittee leads will schedule meetings through a form. The responsibility for scheduling is still up to the leads. WRAP staff will begin populating the calendar with past conference calls and agendas. WRAP has contracted help from ARS (Betsy Davis Noland) for the calendar and the website. The Technical Steering Committee will provide support.

Anyone wishing to access the calendar will need to create a username and password through the new TSS v.2 under development.

- e. Activities related to Regional Haze underway in other WRAP Work Groups (*refer to Aug-1-2018 Progress Update Other WRAP Work Groups.pdf*)
- Reviewing proposal from ITEP for data analysis and outreach material development
 - Fire/Smoke WG is evaluating the 2014 NEI. It is an evaluation of adjustments for sensitivity testing, and evaluation of usefulness of 2016 EPA inventory effort for understanding the role of fire.
 - Oil & Gas Workgroup is evaluating the 2014 inventory for data gaps and for potential updates. They are also developing a forecast inventory to reflect additional controls.
 - Regional Technical Operations Workgroup is leading a study to identify differences in air quality and meteorology, and emissions between 2014, 2015, and 2016. They are also assisting with development of SoW for a modeling contractor.

5. Updates and Next Steps from Subcommittees

(*refer to August 7 2018 RHPWG Subcommittee Update.pdf*) includes regular conference call schedule

- a. Consultation & Coordination Subcommittee – Rebecca Harbage, Montana
- Updating a Key contact list of state, FLMs, tribes, etc.
 - Pulling together resources for states/locals, also looking at past SIP practices

- Next step is to identify who should be contacted/when in relation to SIP development, and later how to make an “ask”
 - Tom Moore, Pat Brewer, and Molly Birnbaum outlining a procedure White Paper
- b. Control Measures Subcommittee – Curt Taipale, Colorado
- Encourages more participation from states
 - Last call (source evaluations, criteria to screen point sources)
 - Guidance is idealistic, not specific
 - Colorado used Q/D approach with WEP to decide categories of sources for 4-factor analysis and writing up approach for other western states to use as a guide
 - Next call – Aug 22 with Jeremy Nuestifter & Tina Suarez-Murias fill in for Curt
- c. Emissions Inventory and Modeling Subcommittee – Farren Herron-Thorpe, Washington
- States have provided good feedback on the 2014 NEI
 - Issues identified are unpaved road dust
 - Point source stack parameter review
 - Minor source inclusion is up to states (potential for double counting)
 - Developing list of relevant categories for source apportionment

Comment: Regional Modeling solves for visibility impairment across the region. Be careful to differentiate between source apportionment (general categories contribution to most impaired days) and source attribution (impairment from particular facility).

- d. Shared Database Subcommittee – Cindy Hollenberg, New Mexico
- Reviewing prototype of TSSv.2 under development (beta testing)
 - See Subcommittee Update pdf. for sample slides.
 - Next steps to develop training in September - October.

6. Highlights from Monitoring Data Analysis Subcommittee

(refer to RHPWG Presentation 8-7-18.pptx)

(Ryan Templeton, Kristin Martin, Brandon McGuire, Pat Brewer)

- 20% worst/haziest - Now EPA rule says 20% most impaired to isolate anthropogenic impairment from natural light extinction
- E3 – (36 alternative approaches) varying species, seasons, & percentile selection
- Kristen Martin (Montana)– showed some results of R analysis; includes table with links to analysis of multiple variable and sites, States asked to review
- Brandon McGuire (Montana) –summarized trial results in graphic comparison showing days different from the proposed EPA 95th percentile e3 method.
- 95% works well at removing wildfire days for some sites, 70% is better at other sites
- Subcommittee will be working with ARS to finish work for all Class 1 Areas and write up findings
- Will need to consult with WESTAR/WRAP participants and EPA on preferred method
- Subcommittee next step is to look at Natural Conditions; are the numbers “correct” for non-episodic remainder of routine natural and anthropogenic for carbon and dust?

- Also will look at 2064 endpoint composition
- Documenting data substitution is another pending task.
- Coordinating with Database Management Subcommittee for final upload that states can use for SIP (target December or sooner)

Links for analysis tools in R and Excel; results from 26 sites already available for viewing at:

- WRAP Regional Haze Monitoring Subcommittee Sharefile link:
<https://azdeq.sharefile.com/d-sc6c4f002be1402ca>

- Subcommittee Summary Document:
<https://azdeq.sharefile.com/d-s42bb94a11d143089>

MID & E3 Estimation Alternatives:

<https://azdeq.sharefile.com/d-s86d15e6aae54688b>

5. Statement of Work for Data Analysis contract with Air Resource Specialist to support Monitoring and Glide Path Subcommittee and Shared Database Subcommittee

- Follows up with analysis and graphics for all Class I areas (similar to Arizona and Montana's graphics) that compares percentile threshold metrics to screen for anthropogenic impairment
- Follows through with Data Substitution report (decisions about what to do when missing critical Baseline days for minimum three year average and in other years when monitor down for extensive period)
- Coordinates what needs to go on the TSSv.2 site

6. Statement of Work for Regional Haze Planning Readiness Assessment Project: Goal is to understand RH planning needs and resources in all 15 WRAP states, such that all are supported by WRAP analyses and tools developed in Subcommittees and with Contractors.

Contractors will assemble outreach over past 3 years. Over the course of 3 months the contractor will complete the following tasks:

- How ready is each state for RH SIP?
- Lay out state/regional timeline and key activities
- Report & assessment of work each state will do including when
- Link to Work Group Products
- Series of one-on-one interviews (contractor & state)

The report will serve as road map for WRAP and states.

7. Update on Rule and Guidance

- No updates. There may be a discussion during the next NACAA call and RPO call.

8. Summary of Action Items and Next Steps

- Subcommittee leads needs to review staff time commitment document – Comments back to Frank by the end of August
- States review Monitoring Data Analysis ppt that Ryan/Kristen/Brandon presented

9. Next call for RHPWG – October 2, 2018; noon-2 PM Mountain Time

We will go to 2-hour meetings in the future.