# **--Technical Steering Committee / Work Group Co-Chairs--**

# **-- Monthly Coordination Meeting --**

# **Agenda**

Wednesday, October 25, 2023, 11:30 am–1:00 pm PT, 12:30–2:00 pm MT

Microsoft Teams meeting

**Join on your computer or mobile app**

[Click here to join the meeting](https://www.google.com/url?q=https://teams.microsoft.com/l/meetup-join/19%253ameeting_N2RmMTI1MmUtOTcxNS00Zjk3LTgzNDUtZGRhNmJjNzk0YjU0%2540thread.v2/0?context%3D%257b%2522Tid%2522%253a%252288193d2b-cf2f-4570-a996-c9c2c176cfb1%2522%252c%2522Oid%2522%253a%252251eb2985-4331-4afe-881f-def1be9c0cd1%2522%257d&sa=D&source=calendar&ust=1688391810296620&usg=AOvVaw15O55BN4lA5nJcH4pPM7P4)

**Or call in (audio only)**

+1 323-676-6261, 565680103#

Phone Conference ID: 565 680 103#

[WRAP TSC webpage](https://www.westar.org/wrap-technical-steering-committee/) / Call Materials available on the [Committee Meetings](https://www.westar.org/wrap-technical-steering-committee/#tab-id-4) tab

* **Welcome, Roll Call, Agenda Review, Previous Meeting Notes (10 minutes) – Julie**
  + Roll Call & Agenda Review
  + Notes for this call – Charis Cooper, BLM
  + Review and approve notes from the [August 30](https://www.westar.org/wp-content/uploads/2023/10/23.08.30-TSC-WG_CoChairs_CallNotes.docx) meeting

*-Julie thanked Kristen Martin for taking notes for the last call. If there are no questions or comments by COB 8/27, notes will be posted as final next week.*

*-Julie has to leave the meeting early, so Rhonda will continue with the meeting agenda.*

* **WG Status Updates & Membership List Updates – (30 minutes) – Julie**
  + WG Co-Chairs –OGWG, RHPWG/RTOWG (FSWG & TDWG – no update)

*-Rhonda shared the slide presentation of Work Group Updates. RHP and RTO combined this month.*

*-Workgroup consensus of 2022 OG Survey Report. Presented at EPA 2023 International Emission Inventory Conference on 28 September in Seattle. Shared with TSC via email on 10 October. Plan to continue the discussion on survey feedback in November and where WG fits in helping identified needs. No updates to the membership list.*

*-Last meeting 25 September. Focus on website funding and tools available for the TSSv3. Higher level discussion of what we should be planning for. No future meeting planned but working on ideas such as a RH 101 given number of new staff and turnover. EPA rule changes will impact how we plan.*

*-New members: Farrah Fatemi (RHP), Oregon Chelsea Cancino (RTO), Utah*

* + WG Membership List Updates – TSC Approval (as needed)
* **TSC Administrative and Informational Items (30 minutes)**
  + TSC Vacancies / Approvals: (Julie)
    - Mike Barna, National Park Service, nominated as a TSC Federal Member

*-Rhonda introduced Mike and discussed his background. Asked for approval of Mike as TSC member for vacancy.*

*-Mike discussed Regional Haze SIP work and other work NPS is involved in and future technical issues that will be facing WRAP.*

*-Julie asked if any objections to adding Mike to the TSC. None received. Welcome Mike to the TSC!*

*-Julie mentioned that the WRAP Board is in charge of the final approval of TSC members. The Board meeting is next week (November 1st, 2023).*

* + 2022 Platform Update and Fire Activity Data Request (Rhonda and Tom)

*-Rhonda presented slides from a presentation developed by Tom Moore and Tom Richardson for the 2022 Emissions Modeling Platform.*

*-2022 Emissions Collaborative Workgroup led by Zach Adleman from LADCO and Mary Uhl. Rhonda, Tom Moore, and Tom Richardson serve as the communication team. Plan to have conversations with numerous national workgroups. The goal is to filter information to the workgroups from the collaborative.*

*-New request for 2022 fire activity data. Nov 13, 2023 meeting with WRAP Fire and Smoke Workgroup to discuss the request. Thinking of ways the TSC can assist in the EMP development. Rhonda suggested adding as a standing meeting agenda item to keep everyone involved. Right now it is informational and outreach since there is no data to review, but in the future could involve workgroups to review data or include contractor support to review emissions data.*

*-Timeline presented: April 2024 for 30-day review of 2022 v1 base year inventory. Goal to have v1 finalized by the end of 2024. Will keep the TSC apprised of developments.*

*-Mary Uhl discussed that the timeline is expedited due to RH and ozone requirements and possibly PM2.5.*

*-Rhonda mentioned meeting next week, Nov 1 at 12:00 MDT for the Emissions Collaborative Group quarterly meeting.*

* + OGWG Survey – Consensus (Mark Jones)

*Survey Consensus Slides:*

*-Survey is intended to help guide the workgroups efforts and remain responsive to WRAP members. Survey focused on three main O&G Air Quality Management, Emissions Inventories, and Regulation and Implementation.*

*-Snapshot from summer 2022.*

*-Wide range of participants-states, tribes, and federal agencies.*

*-All states and FLMs indicated need to analyze basic data for upstream/midstream sectors.*

*-Other top needs include operator surveys for engines and equipment, data collection and analysis resources, and training.*

*-Other O&G needs: BIL funding for orphan wells, programs to address methane tracking, emissions inventory, coordination, O&G emission impacts to deposition, and consultation on proposed state O&G rules.*

*-Ways WRAP can support: All groups emphasized grants for member agencies for regional work, maintain IWDW, collaboration on emissions inventory work, surveys, technical meetings and workshops, and coordinate on O&G modeling and planning. WRAP serves as a regional voice for EPA-proposed rules.*

*-Timeline presented. The final report was shared to TSC on Oct 10th. November 10th deadline for comments/feedback from TSC review before finalizing.*

* + RHP / RTO TSS2.0 Tools Survey work and results (David Stroh, Mike Barna)

*- David presented Tool Survey Results***.** *TSSv2 usage vs state survey responses. After Round 2 concluded, we reached out to survey states on what tools were used and included in state SIPs. Sent out a survey to gather responses from the states. Looked at website usage statistics to compare with survey responses.*

*-FLM Database, TSS Database, and IWDW usage statistics presented.*

*-Heavily used by western states, but other states also use it.*

*-Pie chart gives a breakdown of who was using the websites. TSS tools are heavily used by the states.*

*-Website Usage by Page and Product: IMPROVE, Emissions Data, Model Data included in TSS. Different Express tools are available under each. The survey asked western states what specific tools were utilized.* [*https://views.cira.colostate.edu/adms/Express/UsageStats.aspx*](https://views.cira.colostate.edu/adms/Express/UsageStats.aspx)

*-Anticipate using this information for Round 3 and focus on the tools most heavily used.*

* + WRAP Board Work Topic Areas (Rhonda)
    - November meetings with co-chairs
    - Additional work topics: 2022 EMP, RH Progress Report Template

*Rhonda discussed her spreadsheet to track workgroup topics. Asked the co-chairs to meet in November to review work topics and goals and discuss new topics to include. Also, discuss ideas for new topics such as EMP development and an RH progress report template or checklist. Plan to report back to the TSC in December.*

* + CAMx Desktop Project Updates (Rhonda and Tim)

*-Fall Business meeting presentation recorded and posted on the website. The next step is learning how to post-process the model results. The ultimate goal is to model a scenario and have a final result that can be incorporated into a SIP.*

*-Tim presented to APCA. Lots of interest. Tim discussed members investing time to learn how to use it. He stated that a distribution data center is key. The more users running it will add to the knowledge of better products and data. More work needs to be done, and more people should get involved.*

* + Update on [WRAP Charter](https://www.westar.org/wp-content/uploads/2023/10/WRAP-Charter_FINAL_September2023.pdf) Approval (Rhonda)—*Finalized and approved in September!*
  + Report out from CMAS Conference (Mike Barna): *Conference in Chapel Hill geared to modelers. A wide variety of topics were discussed. Discussion on 2022 Emission Inventory development and expected changes. Mike gave a presentation on WRAP modeling for RH SIP support. One thing of interest for the TSC was the topics of machine learning and AI to improve emissions inventories and presentations on ammonia. Ammonia will be significant for RH and nitrogen deposition. Presentations showed that the existing bottom-up inventories underestimated emissions compared to top-down estimates (satellites and machine learning).*
  + Report out from National Emissions Inventory Conference (Jay Baker, Rhonda): *Sessions on the 2022 Emissions Collaborative. Residential Wood Heating emissions session participants discussed data gaps and the Residential Heating Workgroup, revising SCC codes in the inventory to reflect the diversity of wood heating (stoves, boilers, etc.), and how to measure the degradation of the appliances and changes in emissions.*
  + Report out from HAQAST (Mary Uhl): *Held in Salt Lake City. Sessions focused on western issues: dust, drying lakes, exposure, and health impacts from wildfires. Mary gave a presentation on the exceptional events demo tool. Univ of Utah student group will be involved in working on the exception events demo tool. Inland ports and estimating emissions for them (mobile sources primarily) are a new thing to look at. The next meeting is in Boston in early June, likely emphasizing northeastern issues. A topic that will be covered is how satellite data can inform or help with model performance evaluations.*
* **Upcoming Meetings and Conferences (Rhonda)**
  + [WESTAR SIP Training](https://www.westar.org/event/state-implementation-plan-sip-development/), Nov. 14-15, 2023, Portland, OR -Still slots available and time to sign up.
  + [EPA 13th Modeling Conference](https://www.epa.gov/scram/13th-conference-air-quality-modeling), Nov. 14-15, 2023, Research Triangle Park, NC
  + Exceptional Events Workshop, Feb. 27-29, 2024, St. Louis, MO – *Requests for the agenda. Mary has a draft. Registration likely to open in November.*

*-Mark Jones mentioned the Four Corners meeting Nov 7-8* [*https://www.env.nm.gov/air-quality/four-corners-air-quality-group*](https://www.env.nm.gov/air-quality/four-corners-air-quality-group)

* **Next Steps and Wrap up (5 minutes) – Rhonda**
  + Review next steps and action items from call

*--8/30 Meeting Notes: Send questions or comments by this Friday 10/27, notes will be posted as final next week.*

*--Mike Barna’s TSC Membership to 11/1 WRAP Board for consensus approval*

* + Next call –
    - Wednesday, November 29, 2023, 11:30 PT / 12:30 MT
    - Note taker – Paul Corrigan, USFS
  + Call Notetaking Schedule has been updated (see below)

# **Call Notetaking Schedule**

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| --- | --- | --- | --- | --- | --- |
| **Call Date** | **Time (PT)** | **Name** | **Agency** | **Representing** | **Geography** |
| 9/27/2023 | 11:30am – 1pm | Charis Cooper | BLM | Fed | National |
| 10/25/2023 | 11:30am – 1pm | Paul Corrigan | USFS | Fed | Utah |
| 11/29/2023 | 11:30am – 1pm | Gail Tonnesen | EPA - Region 8 | Fed | Intermountain |
| 12/27/2023 | 11:30am – 1pm | Ann Hobbs | Placer County | Local | California |
| 1/31/2024 | 11:30am – 1pm | Tom Moore | RAQC | Local | Colorado |
| 2/28/2024 | 11:30am – 1pm | Bob Kotchenruther | EPA - Region 10 | Fed | Pacific NW |
| 3/27/2024 | 11:30am – 1pm | Rupesh Patel | Pima Co. DEQ | Local | Arizona |
| 4/24/2024 | 11:30am – 1pm | Steve Miller | Idaho DEQ - Air Quality Bureau | State | Idaho |
| 5/29/2024 | 11:30am – 1pm | Karl Seltzer | EPA OAQPS | Fed | National |
| 6/26/2024 | 11:30am – 1pm | Phil Swartzendruber | Puget Sound Clean Air Agency | Local | Washington |
| 7/31/2024 | 11:30am – 1pm | Jason Walker | NW Band, Shoshone Nation - Washakie Reservation | Tribal | Utah/Idaho |
| 8/28/2024 | 11:30am – 1pm | Danny Powers | Southern Ute Indian Tribe | Tribal | 4 Corners |
| 9/25/2024 | 11:30am – 1pm | Tim Allen | FWS | Fed | National |
| 10/30/2024 | 11:30am – 1pm | *Vacant* | *NPS* | *Fed* |  |
| 11/20/2024 | 11:30am – 1 pm | Kristen Martin | Oregon DEQ | State | Oregon |