

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

-- Monthly Coordination Call -- Agenda

March 31, 2021 11:30 am – 1:00 pm PT, 12:30 pm – 2:00 pm MT

Microsoft Teams meeting
Join on your computer or mobile app
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Or call in (audio only)
[+1 323-676-6261](#)
Phone Conference ID: 405 400 521#

Call materials available on [TSC webpage](#) and [WRAP calendar](#)
[Agenda and PowerPoint have most of the details for the meeting. Notes of conversations, questions, and additional information in red text.](#)

- **Welcome, Roll Call, Agenda Review, Previous Meeting Notes (10 minutes) – Julie**
 - Roll Call & Agenda Review
 - Notes for this call – John Vimont, NPS-ARD
 - Review and approve notes from **February 24th** call
 - **No changes for now final after Friday**
 - Welcome Andrew Daffern, City of Albuquerque Environmental Health Program
 - **New member**

- **Work Group Status Reports (10-15 minutes)**
 - **April 6 WESTAR/WRAP meeting Julie and Darla presenting on 4/6 will be using work group reports as basis for their presentation**
 - WG Co-Chairs – FSWG, TDWG, OGWG, RTOWG, & RHPWG
 - **See attached Powerpoint for notes in workgroup discussions**
 - Status Updates (October 2020 thru March 2021)
 - Status of WG Discussions on Board Approved Work Topics
[Future project prioritization topics \(wrapair2.org\)](#)

- **TSC Administrative and Informational Items (30 minutes)**
 - WESTAR/WRAP Spring Business Meeting [draft agenda](#) – Tom
 - **Agenda may change slightly, but links to access the meeting in the agenda will be the same.**
 - Results / Technical discussions – Tom & Pat
 - **Tom going over April 1 Regional Haze Results Meeting #8 (**
http://www.wrapair2.org/pdf/RegionalHazeResults8AgendaApril1_2021.pdf **)**

- Pat – Chart 8 live on TSS in past hour.
 - [Meeting #6](#) February 18, 2021
 - [Meeting #7](#) March 9, 2021
 - Date TBD late March / early April
- TSC documents to revise – Julie
 - Julie indicates not much to report for now. (Julie will update next month.)
- **Next Steps and Wrap up (10 minutes) – Darla**
 - Review next steps and action items from call
 - Next call date – April 28th, 11:30-1:00 PT / 12:30-2:00 MT 2021
 - Note taker, Richard Grimaldi, Pima Co. DEQ
 - No action items from this meeting.

Call Notetaking Schedule

Call Date	Time (PT)	Name	Agency	Representing	Geography
3/31/2021	11:30am – 1pm	John Vimont	NPS - Air Resources Div.	Fed	National
4/28/2021	11:30am – 1pm	Richard Grimaldi	Pima Co. DEQ	Local	Arizona
5/26/2021	11:30am – 1pm	Kris Ray	Confederated Tribes, Colville Reservation	Tribal	Washington
6/30/2021	11:30am – 1pm	Phil Allen	Oregon DEQ	State	Oregon
7/28/2021	11:30am – 1pm	Jason Walker	NW Band, Shoshone Nation - Washakie Reservation	Tribal	Utah/Idaho
8/25/2021	11:30am – 1pm	Bob Kotchenruther	EPA Region 10	Fed	Pacific NW
9/29/2021	11:30am – 1pm	Gordon Pierce	Colorado DPHE	State	Colorado

March 31, 2021

Work Group Update

Additional notes in red text

FSWG

OGWG

RTOWG

TDWG

RHPWG

WESTAR/WRAP

Fire & Smoke Work Group Status Update

October 2020 thru March 2021

On tap for WESTAR/WRAP 30 minutes.

- Tasks / Coordination / Meetings
 - Reformulated the WG under a new work plan scope
 - WG calls – 2 meeting so far, scheduled monthly into the future
 - Merged with WESTAR – 20-30 for each meeting
 - Outreach – expand the WG to include more state, tribal and FLM members
 - Ongoing meetings of the team working on the Conceptual Model for Long-term Fire Data Support
 - Plan to send out a survey to get feedback on topics of interest (SMP, Exceptional Events, Rx to Wildfire nexus, Education, Outreach and Training)

12/1/2020 Board Approved Work Topics

Fire & Smoke Work Group Progress Update

Topic / WRAP "home"	Project/Task
Fire and Smoke Emissions and Impacts / Fire & Smoke WG (needs an updated mission statement)	<ol style="list-style-type: none"> 1) Identify all the smoke management plans (SMPs) in the region and compare them (e.g. decision making process, rules, activity, seasonality) 2) Create a site for tracking regional burn decisions in near real-time that lists info on decisions and completed burns from fire agencies 3) Research and develop data needs and sources, emission inventory approaches, and evaluate remote sensing products 4) Wildfire data (monitoring, modeling, emissions, etc.) 5) Coordinate on wildland prescribed fire and smoke management programs

- February/March 2021
 - Activities to date –
 - Kickoff call (Feb. 18)
 - Conceptual Modeling (task 3) **or proposed framework**
 - SMP map (task 1 & 5) proposed team to refine map and related information
 - Tasks 2 & 4 to be discussed in future calls
 - Update Workplan Scope
 - Plan to hold teach-ins on topics of interest
 - Work Group calls monthly into the future
 - **Have responses to survey at WESTAR meeting?**
 - **Not ready – high level only – May discuss questions on survey – probably not results**

Oil & Gas Work Group Status Update

October 2020 thru March 2021

- Tasks / Coordination / Meetings
 - Work Group calls (Every four months; call held March 30, 2021)
 - Recurring Topic: Roundtable
 - State/Local/tribe: Initiatives/Rulemaking/Legislative changes; Regional Haze and/or Ozone SIP-related analyses related to Oil & Gas
 - Federal: Initiatives/Rulemaking/Legislative changes; Initial thoughts on Regional Haze submittals to date related to Oil & Gas
 - Other Topics:
 - Mar. 2021 (upcoming)
 - WRAP Region Oil & Gas: Recent Activity Trends and Emission Inventories
 - Emissions Inventory:
 - 2017 Outline – Strengths/Weaknesses for Western Modeling Platform (Ramboll) **Focus right now**
 - 2020 NEI Development Plan (EPA)
 - Oct. 2020
 - CARB Report on Venting, Fugitive, and Flaring Emissions from Natural Gas
 - 2014 Colorado Model Evaluation Database Package (EPA)
 - Coordination with contractor (infrequent)

12/1/2020 Board Approved Work Topics

Oil & Gas Work Group Progress Update

Topic / WRAP "home"	Project/Task
<p data-bbox="96 733 519 829">Oil & Gas Emissions Tracking and Analysis</p> <p data-bbox="96 991 379 1029">/</p> <p data-bbox="96 991 379 1029">Oil & Gas WG</p>	<p data-bbox="657 654 1518 801">6) Extend period of performance for Ramboll contract to allow for items such as state specific assistance</p> <p data-bbox="657 811 1454 901">7) Annual compilation of agency program review to capture regulatory changes</p> <p data-bbox="657 911 1454 1058">8) Assess and improve 2017 NEI O&G emissions estimates for IWDW-WAQS western regional modeling</p>

- February/March 2021
 - Update Workplan Scope
 - Kickoff call: TBD
 - Work Group calls
 - Mar. 30, 2021
 - Aug. 10, 2021

Regional Technical Operations Work Group Status Update

October 2020 thru March 2021

- Tasks / Coordination / Meetings
 - RepBase2 and 2028OTBa2 simulations for estimating reasonable progress goals (RPG) using three different methods, recommend using 'EPA wo fire' approach **Discussions about the 3 approaches.**
 - Regional source apportionment run for use in adjusting glideslopes to account for **international** anthropogenic emissions and prescribed wildland fire
 - Dynamic model evaluation to assess regional air quality model's response to changes in US anthropogenic emissions for 2002, present day (2014-2018), and 2028 **Done – See if model responds like the data since 2002.**
 - Model verification study of 2014v2
 - Workgroup calls: 12/16/20 and 3/2/21
 - Weekly coordination calls with modeling contractor (Ramboll)
 - Documents: *Procedures for Making Visibility Projections and Adjusting Glidepaths using the WRAP-WAQS 2014 Modeling Platform* (3/1/21)
 - Transfer of regional haze results to TSS and modeling files to IWDW **Lot's of progress**
 - By state and source group apportionment run **Detailed examination of individual states and their sources – how it affects Class I Areas in state and other states**
 - **Mark Jones – thought we had RPGs on TSS already. Mike – iterative process as to 2028 conditions – on version 2 now – estimates been revised.**

12/1/2020 Board Approved Work Topics

RTO Work Group Progress Update

Topic / WRAP "home"	Project/Task
Regional emissions and air quality analysis / Regional Technical Operations WG	9) Conduct an ozone source apportionment modeling run using CAMx APCA (Anthropogenic Precursor Culpability Assessment) diagnostic tool to apportion source categories and states contributing to regional ozone transport and international contributions 10) Build and evaluate base year model performance for 2017 IWDW-WAQS western regional modeling platform 11) Identify Emission Inventory development needs and refinements, both anthropogenic and natural (such as Biogenic Emissions Inventory Improvements)

• February/March 2021

- Discuss with RTOWG to refine work topics
- Update Workplan Scope
- Kickoff call
- Topical discussion / roundtable
- Internal and External coordination / topics
- Coordination with contractor
- Work Group calls
- Task 9 has been delayed for RH priorities
 - Still high priority
- Data Warehouse has 2008, 2014, 2016, working on 2017.

Tribal Data Work Group

Status Update (Past 6 Months)

- Completed RH Workplan tasks in Summer 2020
- No additional meetings due to lack of bandwidth from COVID-19 Pandemic disruptions

Progress Update (Next 6 Months)

- Update the Tribal Contacts list made in 2019
- Identify needs from WRAP Board Approved Work Topics
- Work with TSC and other Work Groups to support tribal representation
- Assist tribes wanting to review state SIPs.

Topic / WRAP "home"	Project/Task
Regional Haze SIP Completion and Implementation	15) Technical assistance for tribes with state SIP (or related) reviews
/	16) Ongoing Regional Haze planning support from WESTAR-WRAP staff
Tribal Data Work Group	17) Other?
also RHPWG ?	

Regional Haze Planning Work Group Status Update

October 2020 thru March 2021

- Modeling Results Meetings

- November – March
- Next April 1st

- State-State coordination call

- April 13th

WESTAR-WRAP Regional Haze Work Plan Completion & Results Virtual Remote Meetings

March 9, 2021 – Meeting 7

[WESTAR-WRAP Regional Haze Work Plan Results Meeting Meeting recording](#) (mp4 format)

February 18, 2021 – Meeting 6

[WESTAR-WRAP Regional Haze Results Meeting – syllabus and items reviewed](#)

December 22, 2020

[Informal discussion with NM and MT about Using Rank Point results](#) (mp4 format)

December 17, 2020

[Source Contribution Assessment using WRAP products - Idaho and neighbors case study](#)

December 9, 2020

[NM Class I area case study use of WEP/AoI results meeting](#) (mp4 format)

[Discussion slides](#)

Q&A document subsequent to the meeting

November 19, 2020 – Meeting 5

[WESTAR-WRAP Regional Haze Work Plan Results Meeting Meeting recording](#) (mp4 format)

- Discussions (with EPA?) to gage state input on what revision to RHR might look like (NPCA petition to EPA)

- Good summary up front in NPCA petition. (Answer to question from Mark Jones (NM))
- David Stroh suggests staying within 51.308 language, not rely on guidance only, since may change.

12/1/2020 Board Approved Work Topics

RHP Work Group Progress Update

Topic / WRAP "home"	Project/Task
Regional Haze SIP Completion and Implementation	15) Technical assistance for tribes with state SIP (or related) reviews
/	16) Ongoing Regional Haze planning support from WESTAR-WRAP staff
Tribal Data Work Group	17) Other?
also RHPWG ?	

Topic / WRAP "home"	Project/Task	Background Info	Geographic Scope	Likely Support
Regional Haze SIP Completion and Implementation	15) Technical assistance for tribes with state SIP (or related) reviews	<ul style="list-style-type: none"> Contractor work supported by in-kind oversight by TDWG (and RHPWG?) 	WESTAR-WRAP region-wide	WESTAR to fund limited-scope assistance to tribes via contracted support by ITEP
/	16) Ongoing Regional Haze planning support from WESTAR-WRAP staff	<ul style="list-style-type: none"> Will require regular discussion and oversight by TDWG (and RHPWG?) 		
Tribal Data Work Group	17) Other?	<ul style="list-style-type: none"> Other? 		
also RHPWG?				

- Currently nothing identified for RHPWG to assist with

12/1/2020 Board Approved Work Topics

WESTAR/WRAP Progress Update

Topic / WRAP "home"	Project/Task
WESTAR/WRAP-wide studies / WRAP staff	12) Applying remote sensing data for air quality forecasting, for air quality management, and to public health decisions 13) Implement projects proposed to NASA when funded <ul style="list-style-type: none"> • Applying Advanced Earth Science Data for Aiding Air Quality Forecasting and Management Decisions • Applying Earth Science Data to Air Quality Management and Public Health Decisions 14) Assess regional resources to support emerging topics and needs <ul style="list-style-type: none"> • Small sensors / alternative monitoring technologies • Air toxics monitoring • Fenceline monitoring • Environmental justice initiatives • GHG/other inventories

12) Conceptual Model for Long-Term Fire Data project: itemizing remote sensing inputs for annual fire EIs

13) Proposal not selected by NASA for funding

14) Formation of small sensors subgroup to the WESTAR Technical Committee

Conceptual model – how can FLM community work with it. Look on Fire and smoke web page for conceptual model. Dive into remote sensing for fire emissions.
 NASA didn't accept proposal. Be coming back to WRAP TSC on proposal in conceptual model.
 Small sensors – Gordan and Chet Wayland covering next week.