**9/26/2018 TSC notes**

**Welcome, Roll Call, Agenda Review**

**Attendees**

Frank Forsgren, Julie Simpson, Gordon Pierce, Phil Allen, John Vimont, Theresa Alexander, Bob Kotchenruther, Tim Allen, Gail Tonnesen, Lexie Wilson, Tom Moore, Tina Suarez-Murias, Jay Baker, Farren Herron-Thorpe, Curt Taipale, Rebecca Harbage, Sara Strachan, Darla Potter, Amanda Brimmer, Mike Barna, Kevin Briggs

**Notes from last call**

Review the August 29th call notes and provide any feedback by October 24th

**Work Group Status Reports (see PowerPoint for details)**

**Tribal Data**

* Call Schedule: as needed
* Current Tasks/Projects
	+ Working on the Tasks in the 2018 to 19 workplan
	+ Data analysis
	+ Outreach
* Next Steps
	+ Kick-off call
	+ Leverage ITEP work to connect with National Tribal Air Monitoring Support Center and National Tribal Association
	+ Reviewed current workplan

**Fire and Smoke**

* Call Schedule: monthly
* Current Tasks/Projects
	+ Distributed 2014 WRAP FNEI data to states
	+ National 2016 Emissions Modeling Platform – Fires WG support for WRAP region
	+ Steady update/maintenance work on WRAP FETS website and database
* Approach: 4 tasks in 2018-19 by Air Sciences, Inc. (contracted work)
	+ evaluation of the 2014 NEI, evaluation of adjustments for sensitivity testing, and evaluation of usefulness of 2016 EPA inventory effort for understanding the role of fire;
	+ using year specific inventory to develop inventory representative of 5-year baseline;
	+ scaling the representative inventory for sensitivity testing; and
	+ updating the Fire Emissions Tracking System (FETS)
* Milestones
	+ Align with modeling input file milestones
* Coordination and Next Steps
	+ October 17 deadline for 2014 FNEI feedback
	+ October 29 call
* 2014 WRAP FETS/Fire NEI data review
	+ Approach
		- Build an evaluation framework for states/tribes to review inventory
		- Follow up individually as needed to solicit feedback
		- Summarize results in a memorandum with recommendations for holistic inventory updates
	+ Coordination and Next Steps
		- Incorporate feedback into inventory
		- Coordinate with modelers about format
		- Decide about new SCC categories to include, plue rise algorithm,pile burning, etc.
* 2016 WRAP FETS/Fire NEI data review
	+ Approach
		- Participate in fire workgroup process
		- Apply 2014 evaluation framework to beta version (2016b)
		- Draft recommendations for national fire workgroup based on evaluation
	+ Coordination and Next Steps
		- Continue participation in fire workgroup monthly calls
		- Feedback wil be compiled and discussed during October 29 call and then coordinated with modelers about the format, algorithms, SCC categories, etc.
		- How to aggregate fire emissions

**Oil & Gas**

* Call Schedule:
	+ OGWG - 2nd Tuesday, every other month @ noon MT
		- October 9, 2018 – Survey work with Ramboo will be the topic of discussion
		- December 11, 2018
	+ OGWG Project Management Team (PMT) Calls – as needed
* Current Tasks/Projects
	+ Road Map Phase II:
		- Task 1: 2014 Base Year O&G Emissions Inventory
		- Task 2: 2028 Forecast O&G Emissions Inventory (based on 2023)
			* will include on-the-books (OTB) and on-the-way (OTW) controls
* Task 1 – 2014 base year oil and gas inventory is underway
* Approach: Contractor (Ramboll) performing work on following tasks:
	+ Inventory Compilation, Reconciliation, Data Gaps
	+ 2014 O&G Activity
	+ Identify Emission Factors and Speciation Profiles for Oil and Gas Sources
	+ State and industry survey
	+ Technical Improvements and Reporting
	+ SMOKE-ready Emission Inventory Files
* Milestones:
	+ Sept. 2018 – Literature review PowerPoint
	+ Oct. 2018 – Survey finalized to send out
	+ Apr. 2019 – SMOKE-ready 2014 O&G emissions inventory files
* Coordination and Next Steps:
	+ Assistance needed from States to complete survey
	+ OGWG and Project Management Team (PMT) review of draft work products
* Task 2: Forecast 2028 (OTB & OTW Controls) Oil & Gas Emissions Inventory
* Approach: Contractor (Ramboll) performing work on following tasks:
	+ Identify historic growth, supply, demand, and production decline
	+ Identify a Range of Forecast Year Oil and Gas Scenarios
	+ Identify Rule Penetration and Effectiveness for Oil and Gas Sources:
		- National, State, Local, Tribal
	+ Implement Regionally-Consistent 2028 Forecast (OTB & OTW controls) Emissions Inventory
	+ SMOKE-ready Emission Inventory Files
* Milestones:
	+ May 2019 – Final Report
	+ June 2019 – SMOKE-ready 2028 O&G emissions inventory files
* Coordination and Next Steps:
	+ OGWG and Project Management Team (PMT) review of draft work products

**Regional Technical Operations**

* Call Schedule:
	+ Next call: October 18, 2018
	+ RTOWG co-chairs participating in other workgroup calls
		- RHPWG
		- RHPWG Emissions & Modeling Subcommittee
* Status Report
	+ Presentation from Mark Zondio (Princeton) “Ammonia in Colorado: insights fron in-situ, mobile and satellite” (see Power Point)
	+ Overview of Emissions Inventory and Modeling Protocol Subcommittee’s 014 NEI v2data review results
	+ EPA RH Reform Map overview

**Regional Haze Planning**

* Call Schedule:
	+ 1stTuesday every even month, noon – 2pm Mountain Time
	+ Next Call October 2, 2018
* Current Activities
	+ All related to State Regional Haze SIP preparation, tasks in 2018-2019 Work Pan, and training with SIP preparation tools
	+ Presentation to Air Directors at WESTAR Business Council September 19, 2018
	+ Webinar on TSSv.2 October 5, 2018
	+ EPA “Road Map” posted September 11, 2018
* Control Measures Status Report
	+ Approach
		- Develop Protocols for States to use to target emissions reductions from Non-Mobile Anthropogenic Sources within their State
		- Develop means to demonstrate these reductions improve visibility in Class I Areas (e.g. 0.5 deciview impact)
	+ Status
		- Interpret EPA proposed guidance for 80% of non-mobile anthropogenic sources (facility/unit/source category)
		- Propose Q/d threshold screening tool (e.g. Emissions/Distance from Class I Area >10)
	+ Milestones
		- Develop and circulate schedule for States’ input to other Work Groups and contractors (pending)
		- Drafted WRAP Reasonable Progress Source Idenification and Analysis Protocol to be shared with RHPWG
	+ Coordination and Next Steps
		- Circulate Screening Techniques “menu” as working draft to states for use as guidance selecting “target sources”
		- Review four-factor methods and options
		- Work with other Work Groups on multi-year emissions averaging if needed for cost-benefit analysis or modeling
		- Reconcile Area Source Emissions categories vs Stationary Source facilities with multiple units for control analysis
		- Determine needs for contractor assistance
* Emissions Inventory and Modeling Protocol Status Report
	+ Approach
		- Collect and collate emissions data from all states (2014 and future forecasts)
		- Photochemical modeling for CONUS western states
	+ Status
		- All states have verified 2014 data, some still making adjustments
		- Photochemical modeling contract reviewed before release
	+ Milestones
		- Identified categories needing further attention
		- Considering categories to be grouped fr source apportionment
	+ Coordination and Next Steps
		- Set deadline to grid out 2014 inventory for regional photochemical modeling
		- Work with RTO Work Group to secure contractor for baseline and future year modeling
		- Get 2014 data from Oil & Gas and Fire & Smoke Work Groups model-ready by Spring 2019
		- Coordinate with Fire & Smoke Work Group on multi-year averages to use future year modeling
* Shared Database Status Report
	+ Approach
		- Assure that publically accessible database has useful information for states to use in SIP preparation
		- Work with CIRA contacts to share state needs and evaluate design of TSS v.2
	+ Status
		- Reviewing presentation options for monitoring data
		- Comments compiled for CIRA collaborator’s monthly response
	+ Milestones
		- Reviewing graphical comparison of haziest and most impaired days
		- TSS v.2 Progress Report Webinar for future users scheduled for October 2018
	+ Coordination and Next Steps
		- Developing a trend tool to allow states to assess 2000-2016 monitoring data trends with MID relative to revised Glide Path
		- Assist with development of Glossary for TSS v.2
		- Coordinating with Monitoring Subcommittee regarding the visualization tool and will coordinate with Emissions and Modeling subcommittee regarding additional functionalities
* Monitoring Data and Glide Path Status Report
	+ Approach
		- Evaluate proposed EPA tracking metric compared to alternative extreme episodic event (E3) thresholds and alternatives for selecting the 20% Most Impaired Days (MID)
		- Set up Excel spreadsheet and R code analysis to test variables
		- Each State can use these tools to analyze their IMPROVE sites using FED dataset
	+ Status
		- Prepared draft list of alternative approaches to MID metric with pros and cons for each and working on
		- Prepared documentation of the analytical approaches evaluated
		- Continue to review ongoing analyses of data by IMPROVE Committee and Federal Agencies
	+ Milestones
		- Evaluate data and tools posted for wide review
		- Contractor to prepare report documenting data patching and data substitution
	+ Coordination and Next Steps and Task
		- Present findings to TSC and then to SIP/TIP writers through RHPWG
		- Draft Report for feedback from RHPWG (all states, FLMs, tribes, EPA)
		- Evaluate changes to redo Baseline and adjust 2064 Natural Conditions
		- Consider tools that might help differentiate natural and anthropogenic sources
	+ Consultation and Coordination Staus Report
		- Approach
			* Recommend framework for State/tate, State/Local Air Agency, State/FLM consultation and for coordination with EPA and Tribes
			* Potential ideas for future communication and outreach with stakeholders & the public
		- Status
			* Updating webpage with links to key resources for states/locals/tribes
			* Drafting timeline that recommends occasions for informal consutation during SIP development
		- Milestones
			* List of contacts at alla agencies for informal conversations during SIP development and dor formal review of draft SIPs posted on webpage, to be updated later this year with list of tribal contacts from TDWG
			* General Contract ($25,000) includes federal consultation requirements related to states’ public review procedures & schedules (States SIP Readiness)
		- Coordination and Next Steps and Task
			* Coordinate with subcommittees on iming of final work products
			* Review recommended tiered approach to consultation and timeline of informal consultation junctures
			* Draft white paper that provides the “how”, including consultation/coordination protocols

**Informational Items**

* [EPA’s Regional Haze Road Map memo](https://www.epa.gov/sites/production/files/2018-09/documents/regional_haze_reform_roadmap_memo_09-11-2018.pdf)
	+ <https://www.epa.gov/sites/production/files/2018-09/documents/regional_haze_reform_roadmap_memo_09-11-2018.pdf>
* Estimated Staffing Commitments (posted but state commitments removed due to different state related tasks, etc.
* [Contracting status](http://www.westar.org/Docs/Business%20Meetings/Fall18/WRAP%20Workplan%20Contract%20Status%20report%20Sept14_2018.pdf) & [Upcoming contracts](https://www.wrapair2.org/calendar/attachments/22450/18162/Oct2_2018%20upcoming%20work%20slides%20for%20RHPWG.pptx) <http://www.westar.org/Docs/Business%20Meetings/Fall18/WRAP%20Workplan%20Contract%20Status%20report%20Sept14_2018.pdf>
* Technical Planning Meeting SLC, UT Dec 4-6
	+ - Meeting registration and hotel reservation link: <https://western-regional-air-partnership.ticketleap.com/wrap-2018-technical-planning-meeting/>
		- Draft [agenda](http://www.wrapair2.org/pdf/18.12.4-6%20Draft%20WRAP%20Technical%20Planning%20Meeting%20%20Agenda.docx)
		- Preparing for meeting
			* Review 2018-2019 WRAP Workplan timelines and tables listing tasks/deliverables [http://www.wrapair2.org/tsc.aspx](https://www.wrapair2.org/tsc.aspx)
			* Assess work product progress and projected delivery schedule
		- Timeline for revision
			* Present Workplan revisions at April 23-24 Spring Business Meeting
			* Seek approval of Workplan revisions during early March Board call
			* Discuss final edits to Workplan revision January 30th TSC call

**Next Steps**

* Review the August 29th call notes and provide any feedback by October 24th.
* Review the Workplan Deliverables Guidance and provide any feedback by October 24th.
* Take just 4 minutes out of your busy day to complete the TSC Feedback Survey by October 24th.
* Next Call: October 31, 2018, Wednesday 11:30 am – 1:00 pm Pacific

Note taker, Joe Tona

The interactive call agenda with document links can be found here:  <https://www.wrapair2.org/calendar/viewitem.jsp?&cal_item_id=18162>.