

WRAP Workplan Implementation Progress Update

WRAP Board

August 1, 2018

Technical Steering Committee

- Held monthly calls to track Workplan progress by Work Groups, facilitate coordination, and discuss common issues
- Facilitated discussion to review progress and focus next steps related to the visibility metric
- Working with Work Group co-chairs to identify state staff commitment timelines
- Developed Workplan implementation guidance for data sharing via website postings, conference call communication, and requests for coordination
- Preparing guidance regarding endorsement of deliverables
- Announced in-person TSC planning meeting in Salt Lake City (Dec. 4-6, 2018)
- Regular calls last Wednesday of the month, next call August 29

WRAP Staff

- Updated WRAP website, adding content for Work Groups and Workplan tracking
- Guiding NEI review and posting to emissions review wiki page
- Guiding visibility metric evaluation
- Working with CIRA staff to further develop and refine the beta TSS v2
- Developing master call calendar to facilitate call scheduling
- Developed SoWs for: small regional haze planning assessment to develop regional haze planning process; tribal data support; data analysis support; base year and source apportionment modeling; emission inventory projections; and future year modeling

Tribal Data Work Group

- Negotiating SoW with ITEP (Institute for Tribal Environmental Professionals) for outreach, consultation, recruiting, and data gap studies
- TDWG calls approximately every 2 months

Fire and Smoke Work Group

- Air Sciences proposed Work Plan identifies four tasks: 1) 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; 2) using year specific inventory to develop inventory representative of 5 year baseline; 3) scaling the representative inventory for sensitivity testing; and 4) updating the Fire Emissions Tracking System (FETS)
- FSWG calls scheduled August 9, October 4, and December 13

Oil and Gas Work Group

- Discussed how EPA 2016 inventory effort can be leveraged by WG including developing projections for 2023

- Noted EPA's recurring monthly oil and natural gas calls focusing on responsible oil and gas exploration and development
- Ramboll began implementing Phase II of the OGWG Road Map in June. Four tasks; 1) evaluate base year for data gaps, survey to improve inventory, update inventory; 2) document historical activity data, develop forecasting methodology, develop 2023 inventory; 3) develop forecast inventory reflecting additional controls; and 4) reviewing and documenting O&G and emissions management programs
- John Bunyak made a presentation on the drill rig 1 hour NO₂ impacts study, based on field campaigns in Alaska and Colorado
- Regular call schedule developed (2nd Tuesday of even months), next call August 14

Regional Technical Operations Work Group

- Work completed on Ramboll's data representativeness study, draft report in preparation
- Study identifies differences in air quality and meteorology, and emissions, in 2014/15/16
- Assisting with development of SoW for modeling contractor
- Calls occurring as needed

Regional Haze Planning Work Group

- Regular call schedule 1st Tuesday of even months, next call August 7
- Co-chairs participate in all Subcommittee and WRAP Work Group calls

Control Measures Subcommittee

- Using 2014 NEI to identify sources for control measures analysis with focus on SO₂, NO_x, and PM₁₀ at both facility and unit level
- Incorporating additional screening tools (Q/d, weighted emissions plots) as surrogates for visibility and developing thresholds
- Noted difficulty in applying four-factor analysis beyond stationary sources and difficulty in collecting needed data from sources
- Assessing need for contractor support
- Regular calls scheduled 4th Wednesday of the month, next call August 22

Consultation and Coordination Subcommittee

- Updating subcommittee webpage, drafting description of subcommittee tasks
- Developed and reviewed list of resources and examples for website, including development of contact list, identification of other consultation resources conducting outreach out to local agencies
- Reviewed key contacts list focusing on need for EPA and FLM participation and additional FLM contact information for states
- Began discussion on key informal consultation junctures and formal review period, reviewed draft timeline of key dates/process steps based on contracted work products
- Developing and reviewing draft white paper outlining required and recommended consultation

- Regularly scheduled calls 2nd Tuesday of month, next call August 14

Emissions Inventory and Modeling Protocol Subcommittee

- Most states have completed review of the 2014 NEI v2 as noted on the group's wiki page <http://views.cira.colostate.edu/wiki/wiki/9191/western-us-regional-analysis-2014-neiv2-emissions-inventory-review-for-regi>
- Noted complimentary inventory work by OGWG and FSWG
- Focusing refinement efforts on specific source sectors and stack parameter review
- Documenting minor sources in proximity Class I areas

Monitoring Analysis and Glideslope Subcommittee

- Evaluation packages for 20 representative IMPROVE sites, including glideslope evaluation data and spreadsheet and R code analytical tools developed by committee, posted to Sharefile site for wider review <http://views.cira.colostate.edu/wiki/wiki/9191/western-us-regional-analysis-2014-neiv2-emissions-inventory-review-for-regi>
- Drafting documentation of the committee work to date and SoW for handoff to contractor for further evaluation
- Identifying and documenting alternative approaches for determining the extreme exceptional event thresholds, identifying the most impaired days, and estimating natural conditions
- Additional technical support needed to adjust end point for international and prescribed fires contributions and evaluate current Natural Conditions estimates
- Working up SoW for data analysis task to further explore metric options
- Next call August 9

Shared Database Subcommittee

- Established subcommittee webpage
- CIRA staff presented a review of the existing TSS tools and capabilities, as well as providing an overview of the draft TSS v2 architecture
- Pat Brewer presented an overview of example glideslope evaluation graphics and tools, including providing some guiding questions for consideration in the glideslope evaluation
- CIRA staff with the assistance of Pat Brewer hosted an on-line demonstration of the beta TSS v2 and IMPROVE data analysis tools
- Committee members requested to register for beta site and provide feedback to CIRA
- Next call August 9