

2018-19 WORKPLAN DEVELOPMENT

WESTERN REGIONAL HAZE PLANNING
and
REGIONAL ANALYSIS

ANALYSIS NEEDS and BASE YEAR SELECTION

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WRAP Workplan Road Map for 2018 and 2019

Regional Haze Analysis for 2021 SIP	2018					2019					2020					2021																																											
Task	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D											
Monitoring Data Analysis	█																																																										
Emissions Inventory	█					█																																																					
Modeling	█					█					█																																																
Future Year Modeling "rules on the books"																																																											
Control Measure Analysis																																																											
Embedded Progress Report																																																											
Data / Modeling Results in TSSv2 for regional planning	█					█					█					█					→																																						
Regional Analysis complete early 2020																																																											
Consultation between WRAP member agencies	█					█					█					█					→																																						
State Adoption Process / SIPs due July 2021																																																											
Related Regional Analysis by other WRAP Work Groups																																																											
Fire & Smoke	█					█																																																					
Oil & Gas	█					█																																																					
Regional Technical Operations	█					█																																																					
Tribal Data	█					█																																																					

2018 Regional Haze Planning WG Workplan Tasks

- ◉ Select Emissions Inventory Year (2014 or 2016)
- ◉ Redo Baseline Years (2000-2004) and Glide Path
- ◉ Relate the Tracking Metric to the Modeling Protocol!
- ◉ Develop and enable State-Tribal-FLM Early Coordination & Consultation
- ◉ Consistent regional process for Source Sector Analysis for the chosen base year and 2028 milestone year

2019 Regional Haze Planning WG Workplan Tasks

- ◉ Identify Feasible Controls (using 4-factor analysis)
- ◉ How Many and Which "What If" Control Strategies for 2028
- ◉ Finalize State and Regional Control Strategies for Regional Analysis
- ◉ Analyze RPGs in relation to Glide Path estimated from Regional Modeling
- ◉ Start SIP-embedded Progress Report with 2018 data

2018-19 Fire & Smoke WG Workplan Tasks

- Act as clearinghouse for fire and smoke data and mgmt. program info
- Assist fire and smoke communication among WRAP member agencies
- Complete 2017 FSWG tasks and identify next steps, to support:
 - Regional Haze planning, esp. to bound future fire activity estimates
 - Air quality mgmt. needs of member agencies
 - Evaluation of fire impacts for air regulatory agencies and smoke mgmt. programs

2018-19 Oil & Gas WG Workplan Tasks

- Build on OGWG Road Map to assess impacts from Oil & Gas production
 - Benefits
 - Cost
 - Emissions
- Identify commonalities and differences in O&G production, resource uses, and mgmt. programs in the WRAP region

2018-19 Oil & Gas WG Workplan Tasks (cont.)

- Prepare methodologies, tools, and data to project future outcomes
 - Emissions
 - Controls
 - Trend assessment for various production types/techniques
- Evaluate and identify opportunities for closer tribal-state-federal-local collaboration on sub-regional O&G mgmt. matters

2018-19 Regional Technical Operations WG Workplan Tasks

- ◉ Build on RTOWG Base Year assessment project to develop a standardized protocol with costs and necessary data inputs identified
- ◉ Conduct robust and well-evaluated photochemical grid modeling and sensitivity/source apportionment studies for a new historic base year and future projection years, for:
 - ◉ International transport;
 - ◉ Natural sources;
 - ◉ Regional Haze planning;
 - ◉ Ozone and PM transport; and
 - ◉ Nitrogen deposition; and
 - ◉ Other pollutants and source regions to be identified

2018-19 Tribal Data WG Workplan Tasks

- ◉ Encourage and support WRAP involvement by additional tribal air programs
- ◉ Identify interests of WRAP region tribes for modeling estimates of future air quality impacts on tribal lands
- ◉ Evaluate and identify opportunities for closer tribal-state-federal-local collaboration on sub-regional air quality mgmt. issues
- ◉ Identify tools and data needed by WRAP region tribes
- ◉ Identify tribal air monitoring networks and data
- ◉ Continue to develop training opportunities

BASE YEAR SELECTION CONSIDERATIONS

- ◉ Timing for availability of base year emissions modeling platform
 - Planning to complete regional technical work by early 2020
- ◉ Data completeness and representativeness for SIP work
- ◉ Linkages to emission mgmt. programs for Regional Haze 4-factor analyses
- ◉ Choice should be best suited for forecasting 2023 and 2028
Future Years

BASE YEAR SELECTION CONSIDERATIONS, cont.

◎ EGU

- Resources available from Western Energy Supply and Transmission (WEST) Associates
- Implementation of BART and rapid changes in energy generation supply portfolio

◎ 2014 maximum year for O&G production / oil price

- 2016 would better capture continuing change in production sector
- Either 2014 or 2016 needs to reflect states' emissions mgmt. program structures for future planning

◎ Fires can be large sources and variable spatially / temporally