

2019 National Regional Haze Meeting

Holiday Inn St. Louis Downtown –Convention Center
811 N. 9th Street, St. Louis, MO 63101
Monday October 28-Wednesday October 30, 2019

To join the meeting from your computer, tablet or smartphone: <https://global.gotomeeting.com/join/222001125>

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To access the meeting presentation materials, [CLICK HERE](#).

TIME (CENTRAL)	TOPIC	PRESENTATION TITLE	PRESENTERS
11:00am – 12:00pm	Registration		
12:00– 12:30pm	Welcome		RPO Exec Directors
12:30-1:00pm	Overview of EPA structure and introductions	EPA: Working Together for the 2nd Planning Period	Vera Kornylak, EPA, Air Quality Policy Division, OAQPS
1:00- 2:15pm	Understanding Science of Visibility, Natural and Baseline Conditions and Analysis of visibility trends Moderator: Mary Uhl, WESTAR	Status of the IMPROVE Network? (25 minutes) Tracking visibility progress for the Regional Haze Program (25 minutes) Tools developed to share visibility information with public (25 minutes)	Scott Copeland, USDA Forest Service/Colorado State University Brett Gantt, EPA, Air Quality Assessment Division, OAQPS Shawn McClure, CSU/CIRA (Via GoToMeeting)
2:00 – 3:15 pm	Emissions and Modeling Update Moderator: Mary Uhl, WESTAR	EGU Projection Updates from ERTAC and IPM workgroups (25 minutes) 2016 and 2028 Emissions Modeling Platforms (25 minutes) EPA Regional Haze Modeling- 2028 projections and source apportionment results (25 minutes)	Dave Healy, NH Department of Environmental Services Alison Eyth, EPA, Air Quality Assessment Division, OAQPS Brian Timin, EPA, Air Quality Assessment Division, OAQPS
3:15 – 3:30pm	Break		

3:30 – 4:30	Emissions and Modeling Update Moderator: John Hornback	LADCO 2028 Emissions and Modeling Analyses 20 minutes) VISTAS 2028 Emissions and Modeling Analyses (20 minutes) EGU and O&G Emission Inventory Improvements for the West (20 minutes)	Margaret McCourtney, Minnesota PCA Jim Boylan, GA EPD Mary Uhl , WESTAR
4:30 – 5:15pm	Modeling tools to support source selection for 4-factor analyses and visibility control analyses Moderator: John Hornback	Modeling tools to support regional haze rule visibility analyses (20 min) (20 minutes)	Brian Timin (EPA RTP) NPS (Invited)
5:15 pm	ADJOURN		
6:00pm	Social Event		

TIME (CENTRAL)	TOPIC	PRESENTATION TITLE	LEAD(S)
8:00 – 9:00am	Rule and Guidance Update Moderator: Leigh Bacon, ADEM	RHR: Reminders and key principles for the 2nd planning period and beyond Guidance for 2nd planning period SIPs: Overview and Examples	Ashley Keas, EPA, Air Quality Policy Division, OAQPS Liz Etchells, EPA, Air Quality Policy Division, OAQPS
9:00 – 9:30am	Source Selection and Four Factor Analysis PART 1 Moderator: Randy Strait, NC DEQ	EPA: Source Selection and Four Factor Analysis: Requirements, Hot Topics, and Helpful Tips	Liz Etchells, EPA, Air Quality Policy Division, OAQPS Nora Greenglass, EPA, Office of General Counsel Michael Feldman, EPA Region 6
9:30 – 9:45 am	Break		
9:45 – 11:15 am	Source Selection and Four Factor Analysis PART 1 Moderator: Randy Strait, NC DEQ	Example 4-Factor Analysis (20 minutes) Source Attribution and Contribution Modeling Studies for Western Regional Haze Planning (20 minutes) VISTAS Source Selection and 4-Factor Analyses (20 minutes) Western Source Identification for Regional Haze Control Analyses (20 minutes)	Trent Wickman USFS Tom Moore, WESTAR Jim Boylan, GA EPD Tom Moore, WESTAR
11:15 – 12:15 pm	FLM Roles and Expectations Moderator: Omar Hammad, EPA R2	(20 minutes) Working together to protect Park visibility (20 minutes) (20 minutes)	Melanie Pitrolo and Bret Anderson, USFS Kirsten King , NPS FWS (Invited)
12:15 – 1:30pm	LUNCH		

1:30-2:30pm	Consultation Moderator: Tom Moore, WESTAR	(30 minutes) EPA: Consultation: How to do it and why it's crucial to the success of the Regional Haze Program (30 minutes)	Trent Wickman, USFS Joe Stein, EPA, Air Quality Policy Division, OAQPS Anne McWilliams, EPA R1 Andy Hawkins, EPA R7
2:30-2:45pm	BREAK		
2:45-3:30pm	Effective Resource Management Moderator: Donna Kenski, LADCO	Resources for Round 2 Regional Haze Planning at the WRAP (20 Minutes) VISTAS Region Project Management: A Comparison of Approaches for Planning Periods 1 and 2 (20 Minutes)	Mary Uhl, WESTAR John Hornback, VISTAS
3:30-4:15pm	Example SIP Walkthrough Moderator: VACANT	SIP Development Approaches in the MANE-VU Region Incorporating Energy Efficiency in Regional Haze Planning	Sharon Davis , NJ Department of Environmental Protection Tricia Treece , Arkansas Energy & Environment
4:15-5:00pm	Communication Framework for Regional Haze Planning Moderator: VACANT	WESTAR-WRAP Communication Framework for Regional Haze Planning	Tom Moore, WESTAR

TIME (CENTRAL)	TOPIC	PRESENTATION TITLE	LEAD(S)
8:00 – 9:30am	State/RPO Technical Updates Moderator: Sharon Davis	Technical Analyses Used to Support SIP Development in the MANE-VU Region LADCO WESTAR CENRAP VISTAS	David Healy , NH DES Donna Kenski Mary Uhl Michael Vince John Hornback
9:30 – 9:45am	Break		
9:45 – 10:30	SPeCS Regional Haze Module Demo Moderator: VACANT	Preview of new regional haze tracking capability in SPeCS for SIPs	Ashley Keas, EPA, Air Quality Policy Division, OAQPS Jed Wolkins , EPA Region 7
10:30–12:00pm	Breakout sessions	CenSARA – Lafayette Room VISTAS – Lindell Room LADCO – Boardroom MANE-VU – Parlor 500	Each RPO has opportunity for roundtable with EPA, FLMs and states.
12:00-1:00pm	Meeting Wrap-up Moderator: VACANT		RPO Exec Directors EPA

TIME (CENTRAL)	TOPIC	PRESENTATION TITLE	LEAD(S)
			Trent Wickman and/or Melanie Pitrolo, USFS FWS (Invited) NPS (Invited)
1:00	ADJOURN		

Biographies:

<i>Trent Wickman</i>	<p>Trent grew up in northern Minnesota and the Upper Peninsula of Michigan. He attended Michigan Tech University in Houghton, MI and received a B.S. in Biology and an M.S. in Environmental Engineering. After graduation in 1996 he worked as an Air Permit Engineer for the Minnesota Pollution Control Agency for five years drafting and issuing air permits for new industrial sources. Since 2001 he has worked for the US Forest Service as an Air Resource Specialist, primarily in the states of Minnesota, Michigan, and Wisconsin, assessing the impact of air emissions from industrial sources to forest resources and also supporting prescribed burning operations through various smoke management activities. Over the last 5 years he has also been detailed to about a dozen different wildfires across the US to do smoke forecasting and monitoring.</p> <p>Trent and his wife currently have 2 kids in college. In his spare time he prays for snow so he can go X-C skiing, bikes, hikes, hunts, fishes and generally tries to stay outside as much as possible.</p>
<i>Mary Uhl</i>	<p>Mary Uhl is the executive director at WESTAR. She worked for the New Mexico Environment Department's Air Quality Bureau for 20 years in various capacities, including as a modeler, planning section manager and Bureau Chief. Prior to joining WESTAR, she worked at the Department of Interior Bureau of Land Management as an Air Resource Specialist. Mary completed her BS in Math and MS in Atmospheric Sciences at Purdue University.</p>
<i>David Healy</i>	<p>Dave Healy is an air quality analyst and modeler with the New Hampshire Dept. of Environmental Services. He has been with the Department for almost 19 years and has over 25 years of experience in performing air quality and acoustical modeling analyses. Along with Sharon Davis of NJ, he is a co-chair of the Mid-Atlantic and Northeast States Visibility Union, or MANE-VU, Technical Support Committee. The Technical Support Committee, or TSC's, primary function is to provide its members with technical and policy-related assistance to support regional haze State Implementation Plans (SIPs) and other multi-pollutant planning obligations. Dave is also an active member of the Institute of Noise Control Engineering.</p>
<i>Tom Moore</i>	<p>Tom is the Air Quality Program Manager for the Western Regional Air Partnership (www.wrapair2.org) and works for the Western States Air Resources Council (WESTAR, www.westar.org), the association of state air quality agencies for 15 western states. Tom has led numerous regional air pollution studies and analysis projects, held management positions in state and local government and worked as an environmental consultant. Before joining WESTAR, he managed WRAP activities for the Western Governors' Association. Previously, he led air quality monitoring and analysis activities for the Arizona Department of Environmental Quality for more than a decade, where he assisted in the development and led the implementation of health and visibility monitoring networks throughout the state. Tom has also served on national advisory groups for air quality health standards and regional haze. Key western U.S. air quality expertise includes oil & gas production emissions and wildland fire emissions and impacts, as well as regional haze sources and transport, and ozone impacts.</p>
<i>Jed Wolkins</i>	<p>Jed Wolkins is the U.S. Environmental Protection Agency Region 7 Lead for Regional Haze, Mobile Source Planning, and a SharePoint expert. Jed has been with U.S. EPA for 3 years. Prior to working for U.S. EPA, Jed Wolkins worked for the Indiana Department of Environmental Management in Air Permitting and Air Compliance for 16 years. Jed is a proud alumnus of the University of Nebraska – Lincoln with a B.S. in Chemical Engineering. He lives in Platte City, Missouri with his wife, Michelle, of 23 years and their dog, Olive. Jed and Michelle enjoy homebrewing.</p>

<i>Sharon Davis</i>	Sharon Davis is in her 30th year at the New Jersey Department of Environmental Protection. Currently she manages the Bureau of Evaluation and Planning within the Division of Air Quality, which is mainly tasked with reducing the public's exposure to toxic pollutants from industrial sources and developing the State Implementation Plans to meet the National Ambient Air Quality Standards, including CAMx and CMAQ modeling. Her prior work within the NJDEP includes implementing and managing the Mandatory Diesel Retrofit Program, managing the Facility-wide Permitting Program within the Office of Pollution Prevention, and writing industrial discharge surface water permits. Sharon has a B.S. in Mechanical Engineering from Rutgers College of Engineering.
<i>Vera Kornylak</i>	Vera Kornylak is currently the Acting Associate Director of the Air Quality Policy Division with the Office of Air Quality Planning and Standards (OAQPS). Vera has worked in other positions within OAQPS including as the Operating Permits Group Leader, and before coming to OAQPS, Vera was with the Office of Regional Counsel in EPA Region 4 in Atlanta, Georgia.
<i>Alison Eyth</i>	Alison Eyth is the Emissions Modeling Team Leader in the Emissions Inventory and Analysis Group of EPA's Office of Air Quality Planning and Standards. Alison is responsible for coordinating the preparation of emissions inputs for air quality models and has also led the development of onroad mobile source emissions for the NEI and modeling platforms. She has worked on emissions-related software and modeling since 1993. Alison came to EPA in 2009 and prior to that she was a contract program manager at the University of North Carolina at Chapel Hill and was also the system architect for the Emissions Modeling Framework and the Spatial Allocator. She holds a Master's degree in Environmental Engineering from Syracuse University and a Bachelor's degree in Computer Science and Engineering from the University of Pennsylvania.
<i>Kirsten King</i>	Kirsten King has been with the National Park Service since January 2017, and serves as the Policy, Planning and Permit Review Branch Chief Previously she worked for Encana oil and gas for 2 years managing Environmental Health and Safety in 7 western States. Prior to that, she has 20+ years of experience with the Colorado Department of Public Health and Environment where she managed Stationary Sources in the Air Division (including oil and gas). She has experience at the state agency level in air permitting, regulation development, SIP development, and source inspection and enforcement.
<i>Tricia Treece</i>	Mrs. Treece supervises a team of policy developers and scientists that work to develop plans for implementation of state and federal requirements, as well as voluntary programs, to protect the air quality in Arkansas. She has worked in air quality planning at the Arkansas Department of Energy and Environment, Division of Environmental Quality, formerly ADEQ, for six years. Prior to working for DEQ, she performed air quality monitoring and sampling for the Center for Toxicology and Environmental Health. Mrs. Treece is a graduate of the University of Alabama-Birmingham with a master's degree in Biology and a bachelor's degree in Biology and Psychology.

<i>Bret Anderson</i>	<p>Bret is a native Cornhusker. He attended the University of Nebraska – Lincoln and received a B.S. in Geography with Specializations in Climatology and Environmental Studies and Bellevue University with an M.S. in Computer Information Systems. He began his air quality career with the Nebraska Department of Environmental Quality as the state modeling contact. He was Nebraska’s representative on the CENRAP steering committee and became a co-chair of CENRAP’s modeling workgroup. In 2002, he joined EPA Region 7 in Kansas City and served as the lead regional modeler, working on meteorological and photochemical modeling studies for ozone, PM2.5, and regional haze. From 2004 – 2006, he joined the CenSARA/CENRAP staff part time (on IPA from EPA) as a senior technical advisor, working on the development of data analysis and modeling products for CENRAP. In 2009, Bret joined EPA’s Office of Air Quality Planning and Standards in the Air Quality Modeling Group. In 2010, he transferred to the USDA Forest Service in Fort Collins, CO to be closer to his aging parents in Nebraska. He currently serves as the national atmospheric modeling and regional haze coordinator for the Forest Service Air Resource Management program. He also deploys on wildfires to do smoke forecasting and works on the development of new meteorological and dispersion modeling techniques for assessing smoke dispersion.</p> <p>Bret and his wife have 3 boys. He is a home brewer, a rabid scuba diver having logged over 350 dives, and loves to binge play on his Xbox.</p>