



Round 2 Regional Haze Planning Workshop State Planning, Regional Analysis, and National Coordination

December 5 – 7, 2017

Final Agenda

Meeting & Lodging Information:

Westin Downtown
1672 Lawrence Street, Denver, CO 80202
(303)572-9100

Remote Access Information:

Phone: 800-768-2983
Access Code: 6619876
WebEx access via: [Regional Haze Workshop](#)
(WebEx URL changes throughout workshop)

Workshop Objectives:

- 1) Review Round 1 Regional Haze planning experiences / lessons learned (optional, first afternoon);
- 2) Clarify states' planning needs and responsibilities;
- 3) Discuss state-provided inputs to regional analysis activities;
- 4) Identify coordination needs within and across regional analyses;
- 5) Assess national data inputs for state planning purposes; and
- 6) Prepare timelines for work products.

Participants (focus will be on the planning to be done)

- WESTAR and WRAP states' Regional Haze Planners
- Representatives of states and other regional organizations outside the West
- WRAP Technical Steering Committee, Work Groups' Co-Chairs and interested members
- staff from EPA national and regional offices - planners and analysts
- FLM leads on planning and analysis
- WESTAR and WRAP staff
- selected technical contractor support staff

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Tuesday December 5th PLATTE RIVER ROOM (optional, main workshop starts Wed. December 6th)

1:00 PM Information / background on Round 1 Regional Haze analysis / planning (Chair: Tom Moore)

- [Regional Haze Planning – Regulatory History, Emissions Analysis, Modeling and Planning](#) - Tom Moore, WESTAR and WRAP
- [MANE-VU Regional Haze Planning - Information and Background on Round 1](#) - Jeff Underhill, New Hampshire DES / MANE-VU
- [Georgia's Approach for Estimating Reasonable Progress in Round 1](#) - Jim Boylan, Georgia EPD / SESARM
- [California: Effective Sub-Regional Approach to Understanding Causes of Haze](#) - Tina Suarez-Murias, California ARB / WESTAR and WRAP
- [Regulatory status of first round Regional Haze SIPs](#) – Melinda Beaver and Phil Lorang, EPA OAQPS
- [Visibility Changes from Round 1 Regional Haze Planning](#) - Patricia Brewer, National Park Service
- [WRAP-up: Regional Analysis for Haze Planning](#) – Tom

3:00 Break

3:15 Information / background on Round 1 analysis / planning, continued

5:00 Adjourn for the day

All times Mountain Standard

Wednesday December 6th PLATTE RIVER ROOM (main workshop)

8:00 AM Welcome, Agenda Review, Workshop Objectives (*WESTAR and WRAP, MANE-VU, SESARM, CenSARA, LADCO*)

8:15 [Overview of the regional haze rule changes and litigation status](#) (Chris Werner, OAQPS)

8:35 National Overview across MJOs of Round 2 Regional Haze analysis and planning for SIPs ([WESTAR and WRAP](#), [MANE-VU](#), *SESARM*, [CenSARA](#), *LADCO* - 5 min. for each MJO to present process/schedule)

9:00 Examples of analyzing and applying IMPROVE data and Natural Conditions for Round 2 Regional Haze SIP Planning (*Chair: Bob Lebens*)

- [Scott Copeland](#), IMPROVE Steering Committee Chair, U.S. Forest Service
- [Jeff Underhill](#), *MANE-VU / New Hampshire DES*
- [Stephanie Shirley](#), Texas CEQ
- [Deanna Huff](#), *Alaska, DEC*
- Questions

10:15 Break

10:30 Round 2 Analysis Base Year(s) Emissions Data: 2011, 2014v2, and 2016 (*Chair: Zac Adelman*)

- [EPA overview](#) (Alison Eyth and Phil Lorang, OAQPS)
- Regional base year overviews:
 - Lake Michigan region approach (Zac Adelman, LADCO)
 - Southeast region (Randy Strait, North Carolina DEQ)
 - West (Tom Moore, WESTAR and WRAP)
 - [Mid-Atlantic / Northeast](#) (Jeff Underhill, New Hampshire DES)
- Questions

12:15 PM Lunch (on your own)

1:45 Understanding Uncontrollable Visibility Impairment Sources in Round 2 Analysis and Planning – Mobile, Marine Shipping, Fire and Smoke, Dust / other Natural U.S. emissions, and International Emissions (*Chair: Tina Suarez-Murias*)

- [Defining uncontrollable visibility impairment in the West](#) (Tina Suarez-Murias, CARB)
- [EPRI International Haze project / WRAP fire contributions analysis](#) (Ralph Morris, Ramboll)
- [Mobile, NEI fire, marine and international emissions](#) (Alison Eyth, OAQPS)
- Questions

3:00 Break

3:15 Projecting “rules-on-the-books” and other likely changes in controllable emissions for 2028 Reasonable Progress modeling (*Chair: Jim Boylan*)

- [EPA Overview](#) (Alison Eyth, OAQPS)

- [ERTAC EGU](#) (Jim Boylan, Georgia EPD)
- Roundtable discussion for each RPO: future plans and approaches for emissions projections in general, including “Are RPOs using ERTAC EGU and EPA’s “on-the-books” projections or some hybrid for 2028 reasonable progress modeling?”
 - [SESARM](#) (Jim Boylan, Georgia EPD)
 - [Texas](#) (Stephanie Shirley, Texas CEQ)
 - [Lake Michigan region](#) (Zac Adelman, LADCO)
 - [MANE-VU](#) (Jeff Underhill, New Hampshire DES)
 - West (Tom Moore, WESTAR and WRAP)
- Questions

5:00 Adjourn for the day

All times Mountain Standard

Thursday December 7th PLATTE RIVER ROOM (main workshop followed by afternoon caucus sessions)

8:00 AM Agenda Review (*Mary Uhl*)

8:15 4-Factor Analysis / Linkages to Reasonable Progress Goals – Panel Discussion (*Chair: Tim Allen*)

- Introduction and charge questions (Tim Allen, FWS)
 - [SESARM method](#) (Jim Boylan, Georgia EPD)
 - [Colorado Emissions Trace method](#) (Curt Taipale, Colorado APCD)
 - [MANE-VU method](#) (Jeff Underhill, New Hampshire DES)
- Discussion among panelists
- Audience questions

9:30 Application and Coordination of regional modeling for setting Reasonable Progress Goals for haze SIPs – Panel Discussion (*Chair: Tom Moore*)

- [Regional Haze Planning using the Reasonable Progress Goal](#) (Tina Suarez-Murias, CARB)
- Examples of applying future year modeling results
 - [Jeff Underhill](#) (New Hampshire DES / MANE-VU)
 - [Gail Tonnesen](#) (EPA R8)
 - [Brian Timin](#) (OAQPS)
- Questions

10:45 Break

11:00 Communication, consultation and outreach on Regional Haze planning – (*Jaslyn Dobrahner, EPA R8, facilitator*)

- John Hornback (SESARM)
- [Pat Brewer \(NPS\)](#)
- Tina Suarez-Murias (California ARB)
- Sam Wilson (Washington DoE)
- Questions

12:00 Adjourn Workshop (*Mary Uhl*) - lunch on your own

Afternoon Caucus Meetings

1:30 WESTAR state caucus-PLATTE RIVER ROOM

1:30 CenSARA state caucus-WELTON ROOM

3:00 Adjourn caucus / other meetings and homeward bound