

***Meeting Summary***

WESTAR Spring 2015 Business Meeting  
WRAP Membership Meeting  
San Francisco, California  
April 8 – 10, 2015

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1. WESTAR Business

1.1 Consent Agenda:

- The directors were asked if there were any updates, additions or corrections to the summary of the previous business meeting. [Click here](#) for a copy of the summary.
- The directors suggested that the fall 2015 business meeting will be in San Diego, with Phoenix/Tempe as a backup in the event we are unable to find suitable accommodations in San Diego.
- Nominations for 2015 Board of Directors: The Nominating Committee recommended the following slate of candidates for the 2015 Board of Directors:
  - President: Bryce Bird, UT
  - Vice President: Terry O’Clair, ND
  - Treasurer: Will Allison, CO
- With respect to the above agenda items, Eric Massey moved, and Alice Edwards seconded a motion to approve the previous meeting summary. The motion passed.

1.2 Staff Reports:

[Click here](#) for a copy of the Staff Report. WESTAR staff summarized activities and accomplishments from 2014 and outlined future activities planned for 2015.

1.3 Committee and workgroup reports:

[Click here](#) for a copy of the Planning Committee report. The Planning Committee summarized their efforts in several topic areas over the past 6 months, including regional haze, ozone, exceptional events and the SO<sub>2</sub> data requirements rule. [Click here](#) for a copy of the Technical Committee report. Representing the Technical Committee, Phil Allen reported on several topics over the past half year, including background and transport, stratospheric intrusion, and ozone. Phil outlined an extensive list of topics they will focus on in the coming month.

1.4 Financial Report

Treasurer Terry O’Clair reported on WESTAR’s finances. He noted that WESTAR’s budget

has become more complex with multiple funding sources. [Click here](#) for a copy of the financial report.

#### 1.5 National Monitoring Committee report:

Gordon Pierce, WESTAR representative to the national monitoring steering committee reported on the topics discussed at the last meeting including: PAMS re-engineering, air toxics, CSN network review and other monitoring related topics. [Click here](#) for a copy of Gordon Pierce's National Monitoring Committee report.

#### 2. Methane impacts – management, studies, and rules

[Click here](#) for a copy of Mary Uhl's presentation. Mary provided an overview of methane related studies and research, much of it centered on the four corners region where anomalous methane measurements have been detected in recent years. Understanding the science will be key to determining appropriate control strategies.

[Click here](#) for a copy of Joost de Gouw's presentation. Joost de Gouw gave an overview of airborne methane sampling studies recently conducted in the oil and gas producing regions of the western US. The sampling phase of the research project is still underway. Objectives for the study include refining our estimates of ozone precursors and toxics from oil and gas production.

[Click here](#) for a copy of Bruce Moore's and Carey Bylin's presentation. Bruce and Carey provided an overview of EPA methane-related activities including work on an NSPS for new oil and gas production sources, and control technique guidelines for existing sources.

#### 3. Climate change on western federal lands: How does it affect us and what can we do about it?

[Click here](#) for a copy of Linda Geiser's presentation, including speaker notes. Linda's presentation shared some basic science regarding climate change; discussed how climate change is affecting public health and welfare, and state economies; covered what the FLM agencies and partners are doing to mitigate and adapt to climate change and reduce operational carbon footprints; and to find out how agencies can collaborate to reduce GHG emissions, develop clean abundant energy and jobs, and improve energy efficiency.

#### 4. 111(d) – Focus on tools (Moderator: Jeff Gabler)

[Click here](#) for a copy of Larry Greene's presentation. Larry Greene (co-chair of NACAA's Global Warming Committee) discussed the Clean Power Plant-related projects that NACAA has spread-headed including its Menu of Options and Model Rule.

Craig Henrikson, MT DEQ, discussed the 111(d) analytical tool that MT developed to assist the agency in confirming the target emission rate assigned to states by EPA, and a tool to help develop possible compliance alternatives. Craig offered to make the analytical tool available to other air agencies for their use. [Click here](#) for a copy of Craig's presentation.

## 5. FRAPPE/DiscoverAQ air quality studies

Gordon Pierce summarized two major ozone-related research studies conducting in Colorado during the summer of 2014 – FRAPPE (the National Center for Atmospheric Research, NCAR) and DISCOVER-AQ (NASA). The studies included both airborne and ground-based measurements to map emission profiles horizontally and vertically. The findings will be presented in the coming months, with the first scientific forum scheduled for early May 2015. [Click here](#) for a copy of Gordon Pierce’s presentation.

## 6. Report from EPA/OAQPS

[Click here](#) for a copy of Anna Wood’s presentation. Anna provided a summary of several topics that were not scheduled for more in-depth discussion later in the meeting, including schedules for NAAQS reviews and implementation, the 2008 ozone implementation rule, implementation of the 1-hour SO<sub>2</sub> NAAQS, and the 2012 PM<sub>2.5</sub> NAAQS SIP requirements rule. She and Chet Wayland responded to 3 questions on other topics, including the status of the Fire Policy, the relationship between rule proposals that present multiple options and the difficulty state have in responding to these kinds of proposals, and the timing of implementation rules.

## 7. Regional Haze Planning

Tina Suarez-Murias gave an overview of the WESTAR Regional Haze Work Group recommendations on improvements to the Regional Haze Rule implementation. This was followed by an oral presentation by Anna Wood about EPA plans and timeline for updating the rule and guidance. [Click here](#) for a copy of Tina Suarez-Murias’ presentation.

## 8. Exceptional Events

[Click here](#) for a copy of Anna Wood’s presentation. Anna summarized EPA’s recent efforts to update the exceptional events program, including listening sessions with states and regional offices to identify best practices. Beth Palma, joining by phone, provided a summary of EPA’s current thinking on possible rule revisions and guidance updates. Anna provided a schedule for completion of both rule revisions and guidance related to ozone caused by wildfires.

[Click here](#) for a copy of Eric Massey’s presentation on Arizona’s process improvement efforts. Eric summarized Arizona’s recent LEAN review of their exceptional events process. As a result of the effort, Arizona has identified several process steps, both their own and at EPA, that appear to add little value but are time consuming and/or resource intensive.

A roundtable discussion was scheduled after the above presentations, but there was not enough time. Members were encouraged to send Dan their responses to the roundtable questions. [Click here](#) for a copy of the roundtable questions circulated in advance of the meeting.

## 9. Interstate transport and “background” in the west

The following background materials were provided prior to the meeting:

- [Summaries of WestJumpAQMS workshops](#)
- Plans for the upcoming May 11-15 [Western Modeling workshop agenda](#)
- ["Good neighbor" memo for the 2008 Ozone standard](#)
- [SIP Requirements rule for the 2008 Ozone standard](#)
- [WRAP Fire Tools webpage](#)
- [Discussion questions supplied in advance to EPA](#)

Four (4) presentations were provided. Discussion of the background and transport topics revolved around EPA's work to date, planned outreach to western air agencies in Summer 2015, and the upcoming modeling workshop in May.

[Click here](#) for a copy of Tom Moore's presentation on regional analyses of ozone transport. Copies of Chet Wayland's (EPA) presentations on [Transport](#) and [Western Modeling](#). [Click here](#) for a copy of Matt Mavko's presentation on the WRAP Fire Tools.

#### 10. Implementing a new ozone standard

Gail Cooke summarized for EPA and the WESTAR Council recent comments on the proposed revision to the ozone NAAQS. Her presentation was supplemented by examples from Utah and Nevada by Dave McNeill and Jasmine Mehta respectively. [Click here](#) for a copy WESTAR comments. [Click here](#) for a copy of Gail Cooke's presentation.

#### 11. Panel discussion: EPA priorities and the federal/state partnership

Panelists included Debbie Jordan (EPA Region 9 Air Administrator), Carl Daly (EPA Region 8 Air Administrator), and Anna Wood (EPA OAQPS Air Quality Policy Division Director). Each discussed actions they have taken, and the current status of their efforts to address delays in two critical program areas – SIP processing and decisions on exceptional event requests. [Click here](#) for a copy of Debbie Jordan's slides.

#### 12. WRAP Administrative Block

Outgoing State Board Co-Chair Alice Edwards led the discussion on operations and organizational activities. Tom Moore reviewed the following items with the Board:

- The status of Board member terms and recent changes were reviewed: [WRAP Board](#). Board membership is up to date; seats and terms are in compliance with the requirements of the July 2014 Charter amendments. Eric Massey, State of Arizona air director is the new Board State Co-Chair.
- Upcoming membership outreach activities were reviewed: [example outreach letter for Tribal Board seat](#) and [example Washoe County membership request letter](#)

- A financial summary for WRAP projects was discussed, from the WESTAR [Budget status](#) report. Travel expenses for Board members to attend twice-yearly meetings were also discussed: [Travel expenses to WRAP meetings](#).
- Alice Edwards was presented a plaque and recognized for her outstanding contributions to the WRAP as a Forum Co-Chair, State Board member, and WRAP Board State Co-Chair.

### 13. WRAP Program Activities

Randy Ashley, Tribal Board Co-Chair led the discussion of reports on projects and studies for WRAP members. Tom reviewed the following items with the Board:

- Status reports on current projects ([PDF](#))
- Timelines for current and future projects, Workload status ([PDF](#))

### 14. Finalize WRAP technical work plan

Alice and Randy led the discussion of progress on work planning and next steps. Tom reviewed the following items with the Board:

- Adopted Strategic Plan ([PDF](#))
- Discussion items - based on [review questions](#) for [Action Plan draft](#)
- Timeline
- Deliverables
- Workgroups and committees
- Action Plan - next steps

### 15. Adjourn

The meeting adjourned at 11:30 on April 10<sup>th</sup>.

## LIST OF ATTENDEES

### WESTAR and WRAP Members/Delegates:

Theresa Alexander, BLM DC  
Philip Allen, OR  
Tim Allen, FWS  
Will Allison, CO  
Randy Ashley, Confederated Salish and Kootenai Tribes  
Rita Bates, NM  
Bryce Bird, UT  
Jennifer Cederle, WY  
Gail Cooke, NM  
Steve Dietrich, WY  
Alice Edwards, AK  
Tiffany Floyd, ID  
Linda Geiser, USFS DC  
Larry Greene, Sacramento Co, CA  
Richard Grimaldi, Pima Co, AZ  
Craig Henrickson, MT  
Jean-Paul Huys, Clark Co, NV  
Mel Joseph, Lone Pine Paiute-Shoshone Tribes  
Carolyn Kelly, Quinault Indian Nation  
Denise Koch, AK  
Brock LeBaron, Utah  
Fabian Macias, Bernalillo Co, NM  
Danny Nevarez, Bernalillo Co, NM  
Annette Williams, MT

### EPA Participants, including WRAP members

Carl Daly, EPA Region 8  
Eric Wortman, EPA Region 8  
Matt Lakin, EPA Region 9  
Colleen McKaughan, EPA Region 9  
Tom Webb, EPA Region 9  
Chet Wayland, EPA OAQPS  
Anna Wood, EPA OAQPS  
Krishna Viswanathan, EPA OAQPS  
Amy Zimpfer, EPA Region 9

Tamara McCandless, USFWS  
Carol McCoy, NPS  
Dave McNeill, UT  
Jasmine Mehta, NV  
Jamille Moens, Sacramento Co, CA  
Ursula Nelson, Pima Co, AZ  
Terry O'Clair, ND  
Gordon Pierce, CO  
Brad Poiriez, Imperial Co, CA  
Darla Potter, WY  
Amber Potts, WY  
Nancy Pritchett, WA  
Brendan Schneider, Weshoe Co, NV  
Julie Simpson, Nez Perce Tribe  
Jeff Sorkin, USFS Regions 2 & 4  
Tina Suarez-Murias, CARB  
Michael Sword, Clark Co, NV  
Mary Uhl, BLM  
Eric Massey, AZ  
Karen Magliano, CA  
Penny Weymiller, Shoshone-Bannock Tribes

### WESTAR Staff

Dan Johnson  
Lynn Agnew  
Tom Moore  
Jeff Gabler  
Bob Lebens

### Invitees and Guests

Matt Mavko, Air Sciences

### Via Telephone (partial list; not all signed in):

Joost de Gouw, NOAA  
Bruce Moore, EPA  
Carey Bylin, EPA