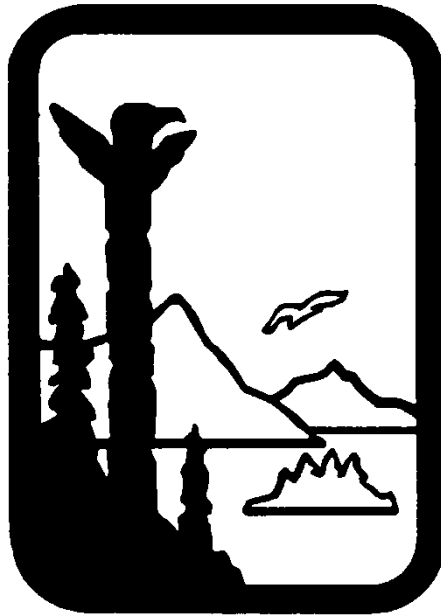


Alaska Department of Environmental Conservation



Amendments to:
State Air Quality Control Plan

Volume III: Appendix III.K.11.a

Consultation: Regional Planning WRAP Meetings &
Conference Calls

Appendix to
Section III. K: Areawide Pollutant Control Program for
Regional Haze

Adopted

February 11, 2011

(This page serves as a placeholder for two-sided copying)

Consultation: Regional Planning WRAP Meetings and Conference Calls

INTRODUCTION and BACKGROUND

Section 308 of 40CFR Part 51, the regional haze rule, calls for consultations among states where there are cross-state impacts of haze producing emissions to ensure states are aware of and agree to each other's reasonable progress goals and long-term strategies. The rule also provides for consultations with federal land management agencies that have jurisdiction over federal mandatory Class areas, specifically calling out for: Notification of FLMs 60 days prior to public hearings; Addressing comments from FLMs in each SIP, Ongoing consultation as SIPs are implemented, reviewed and revised. The rule encourages states and tribes to utilize regional planning processes to facilitate the consultation requirement.

The WRAP participants have, over the years used the WRAP process to maximize the opportunity for consultation among states, between states and tribes, land management agencies and stakeholders. The regional haze rule provides for specific points of consultation and outlines general procedures for meeting the requirement, to achieve appropriate consistencies and allow opportunities for formal comment and response.

The purpose of this document is to gather in one place a consolidated list of each forum, committee and workgroup, its purpose, membership, significant work products and meetings recorded and posted on the WRAP webpage. Although there have been many more meetings and conference calls than are documented here, this list demonstrates the extent of consultation among the WRAP partners and stakeholders for the last eight years. All of the material contained here is taken from the WRAP website at: www.wrapair.org . The electronic version of this document contains hyperlinks to various pages on the WRAP website.

WRAP Membership and Organizational Description:

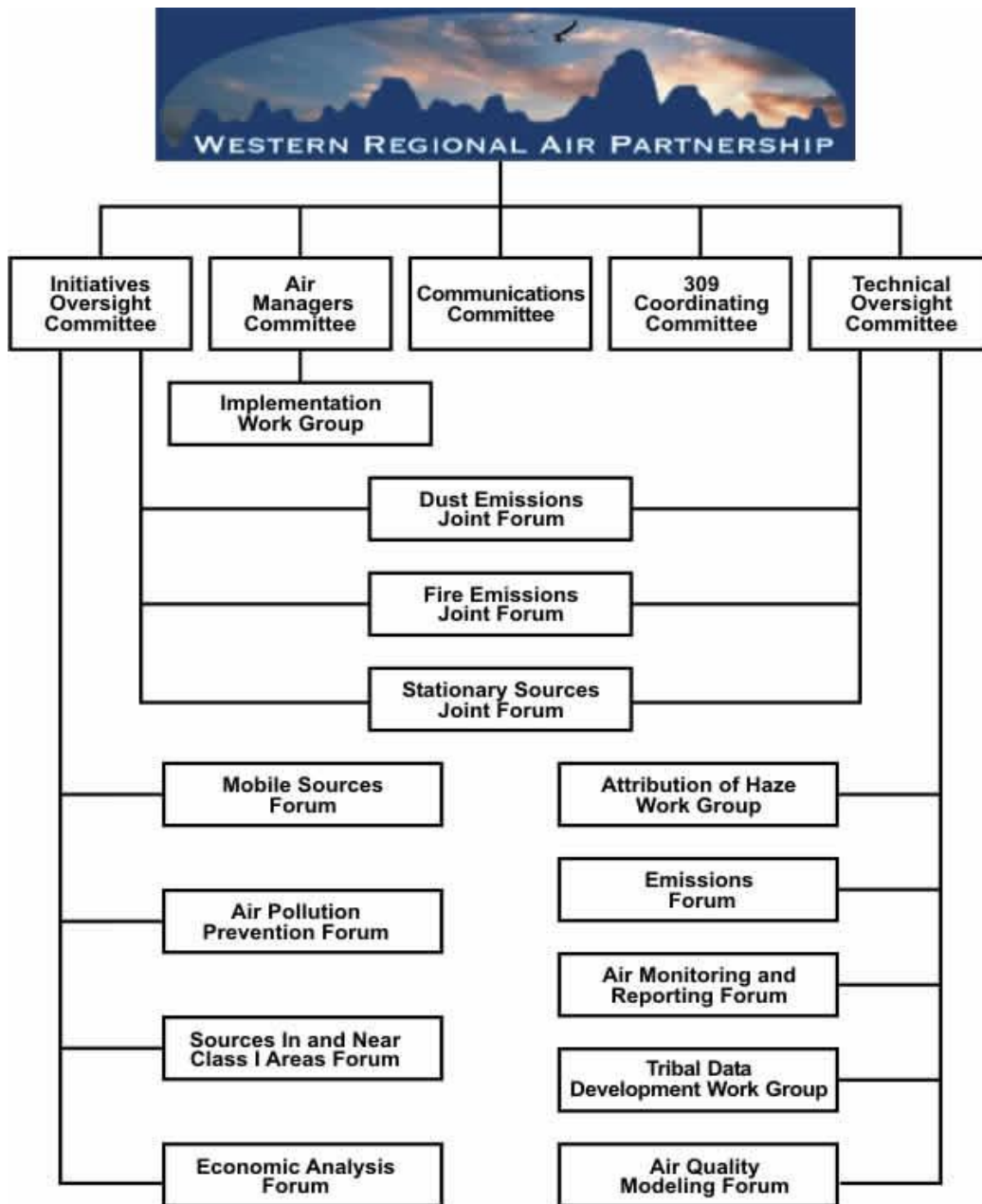
[Members](#)

The Western Regional Partnership (WRAP) was formed in 1997 as a regional planning organization to support states and tribes in preparing and implementing regional haze plans. The WRAP is a partnership among states, tribes, FLMs and EPA, with participation of stakeholders.

The WRAP membership, reflected in the Board of Directors is organized to maximize decision making through consensus and consultation.

Co-chaired by a state and tribal governor, with a designated representative from each state, and an equal number of tribes, EPA and each federal land management agency having at least one federal Class I area as board members. Stakeholder input is achieved through participation on forums that focus on technical and policy issues related to requirements of the Regional Haze Rule. Lists of selected work products are provided for each forum and committee below.

[WRAP Organizational Chart](#)



WRAP Committees, Forums, Workgroups

309 Coordinating Committee

Purpose:

To facilitate ongoing communications among the 309 jurisdictions and to facilitate implementation of the plans, including but not limited to the tracking of renewable energy and energy efficiency use and programs and the tracking of emissions for the SO2 backstop program, clean air corridors, and fires.

Membership:Members

Technical and planning staff from the four states of AZ, NM, UT, WY and Bernalillo County, NM that submitted regional haze SIPs in 2003

Significant Work Products:**Major Projects**

- Western Backstop SO2 Trading Program Model Rule (08/13/03) [PDF](#)
- Western Backstop SO2 Trading Program Model Rule Supplement (08/13/03) [PDF](#)
- Model SIP/TIP for the Western Backstop SO2 Trading Program (08/13/03) [DOC](#)
- Final Draft 309 SIP Template, not including the Western Backstop SO2 Trading Program (07/10/03) [DOC](#)
- Technical Support Document [PDF](#) (6.9 mb)
- More Complete list of SIP- related documents [309 Material](#)
- (Insert more recent SO2 milestones, supporting the 2007 re-submittals of 309 plans)

Meetings:**2008 Events**

03/13/08 [§309 SO2 Program Stakeholders Call 11:00 AM Mountain](#)

2007 Events

12/19/2007 [§309 SO2Program Stakeholders Call](#)

08/07/2007 [§309 Program Stakeholders Call](#)

07/10/2007 [§309 Program Stakeholders Call](#)

07/09/2007 [2005 Milestone Program Audit Call](#)

2006 Events**2005 Events**

2004 Events

05/24/04 Call to Coordinate Pre-Trigger SO₂ Reporting and Milestone Comparisons [PDF](#) or [DOC](#)

02/05/04 309 Conference Call Notes [PDF](#) or [DOC](#)

Air Managers Committee***Purpose:***

To provide air managers with a forum for discussing WRAP related matters of concern to them. These matters may cover a spectrum of air quality issues. The Committee also provides a mechanism for communication and guidance to the technical and policy forums as to what air managers believe is needed to support their regional planning efforts.

Membership:**Members**

Air program directors of all WRAP states and tribes, federal land management agencies, EPA

Major Projects:

- [Implementation Work Group](#)
- [309 STIP-II Work Group](#)
- [RA BART Guidelines](#)
- [RA BART Case Studies](#)
- [308 SIP Templates](#)

Meetings:**2009 Events**

12/21/09 [AMC Conference Call](#)

12/17/09 [IWG Conference Call](#)

11/16/09 [IWG Conference Call](#)

11/11/09 [Ozone & NO_x in the West Meeting](#)

10/19/09 [AMC Conference Call](#)

09/24/09 [IWG Conference Call](#)

09/21/09 [AMC Conference Call](#)

08/17/09 [AMC Conference Call](#)

08/13/09 [IWG Conference Call](#)

07/14/09 [PRP18b & PRP18cmv Regional Emissions/Modeling Results Call](#)

06/23/09 [IWG Conference Call](#)

06/10/09 [AMC Conference Call](#)

04/16/09 [IWG Conference Call](#)

03/10/09 [Implementation Work Group Meeting](#)

03/03/09 [IWG Conference Call](#)

02/19/09 [IWG Conference Call](#)

02/17/09 [AMC Conference Call](#)

01/15/09 [IWG Conference Call](#)

2008 Events

12/15/08 [AMC Conference Call](#)
10/16/08 [IWG Conference Call](#)
09/30/08 [Workshop on Regional Support for Air Quality Planning in the West](#)
09/12/08 [AMC Conference Call](#)
08/26/08 [AMC Conference Call](#)
08/21/08 [IWG Conference Call](#)
06/19/08 [IWG Conference Call](#)
06/16/08 [AMC Call](#)
04/17/08 [IWG Conference Call](#)
03/05/08 [AMC Call](#)
02/21/08 [IWG Conference Call](#)

2007 Events

12/19/07 [IWG Conference Call](#)
11/15/07 [IWG Conference Call](#)
09/20/07 [IWG Conference Call](#)
08/29/07 [IWG Meeting](#), Denver, CO
08/28/07 [AMC Meeting](#), Denver, CO

2006 Events

05/08/06 AMC Conference Call Notes [PDF](#) or [DOC](#)

2005 Events

02/18/05 Air Managers Committee Conference Call

- Call Notes [PDF](#) or [DOC](#)
- Proposed AMC 2006 Workplan Narrative [PDF](#) or [DOC](#)

2004 Events

07/06/04 [AMC State Caucus Call](#)
04/14/04 [AMC Call](#)
01/12/04 [AMC Call](#)

2003 Events

11/19/03 308 Planning Group Meeting, Phoenix, AZ

- Agenda [PDF](#) or [DOC](#)

06/25/03 [AMC Call](#) (Notes: [PDF](#))
03/19/03 [WRAP Forums and Planning Team Meeting](#), Santa Fe, NM

- AMC Meeting Notes [DOC](#)
- AMC Meeting Agenda [PDF](#)

2002 Events

11/26/02 AMC Call Notes [DOC](#)
09/04/02 [Air Managers Committee Meeting](#), Santa Fe, NM
05/23/02 [Air Managers Committee Meeting](#), Salt Lake City, UT

04/15/02 Air Managers Committee/WESTAR Meeting Minutes, Incline Village, NV
[PDF](#)

2001 Events

09/27/01 Northern Air Managers Committee Meeting Minutes, Portland, OR [PDF](#)
 07/10/01 Northern Air Managers Conference Call Document [DOC](#)

2000 Events

05/09/00 Northern Air Managers Committee Meeting Presentation, Phoenix, AZ [PDF](#)
 05/03/00 [Northern Air Managers Conference Call Minutes](#)
 02/14/00 [Northern Air Managers Conference Call Minutes](#)

Implementation Work Group

Purpose:

Formed under direction of the Air Managers Committee in 2004, to help states and tribes prepare their haze implementation plans on a regional scale to meet the requirements of 40 CFR 51.308 and 401 CFR 51.309(g); To ensure common agreements and consensus among states and tribes on planning approaches, use of regional data and analysis tools developed by the WRAP, and otherwise meet the consultation requirements of the Regional Haze Rule

Membership:

Members

Technical planning staffs of states and tribes, plan review staff of federal land management agencies, EPA.

Significant Work Products (partial list-for complete list go to):

<http://www.wrapair.org/forums/iwg/docs.html>

- WRAP Technical Status Report [PDF](#) or [DOC](#) (6/8/07)
- EPA Checklist for Regional Haze SIPs (08/04/06) [DOC](#) or [PDF](#)
- State/Tribal Timelines, periodic updates (See webpage)
- Class I Area Profiles - Draft Profile Template (July 2006) [DOC](#)
- Draft 308 Regional Haze SIP Template (06/02/06) [DOC](#)
- WRAP BART Clearinghouse (Updated 08/31/07) [XLS](#)
- WRAP RFP: "Analysis of Regional Haze State and Federal Implementation Plans for Tribal Implications/Issues" (09/15/06) [PDF](#)
- FLM Recommendations on SIP Contents and Consultations (08/01/06) [PDF](#)
- WRAP Comments on Draft EPA Guidance (08/07/06) [DOC](#) or [PDF](#)
- Sample Contribution Matrix for Supporting the Consultation Process (06/15/06) [PPT](#)
- Western Regional Haze State Implementation Plans, State & Federal Protocol [PDF](#) or [DOC](#)
- Draft EPA Guidance on Consultation (06/20/06) [DOC](#)
- Clearview Newsletters (Regional Haze/WRAP Activity Update – See webpage above)

Meetings:**2009 Events**

12/21/09 [AMC Conference Call](#)
12/17/09 [IWG Conference Call](#)
11/16/09 [IWG Conference Call](#)
11/11/09 [Ozone & NOx in the West Meeting](#)
10/19/09 [AMC Conference Call](#)
09/24/09 [IWG Conference Call](#)
09/21/09 [AMC Conference Call](#)
08/17/09 [AMC Conference Call](#)
08/13/09 [IWG Conference Call](#)
07/14/09 [PRP18b & PRP18cmv Regional Emissions/Modeling Results Call](#)
06/23/09 [IWG Conference Call](#)
06/10/09 [AMC Conference Call](#)
04/16/09 [IWG Conference Call](#)
03/10/09 [Implementation Work Group Meeting](#)
03/03/09 [IWG Conference Call](#)
02/19/09 [IWG Conference Call](#)
02/17/09 [AMC Conference Call](#)
01/15/09 [IWG Conference Call](#)

2008 Events

12/15/08 [AMC Conference Call](#)
10/16/08 [IWG Conference Call](#)
09/30/08 [Workshop on Regional Support for Air Quality Planning in the West](#)
09/12/08 [AMC Conference Call](#)
08/26/08 [AMC Conference Call](#)
08/21/08 [IWG Conference Call](#)
06/19/08 [IWG Conference Call](#)
06/16/08 [AMC Call](#)
04/17/08 [IWG Conference Call](#)
03/05/08 [AMC Call](#)
02/21/08 [IWG Conference Call](#)

2007 Events

12/19/07 [IWG Conference Call](#)
11/15/07 [IWG Conference Call](#)
09/20/07 [IWG Conference Call](#)
08/29/07 [IWG Meeting](#), Denver, CO
08/28/07 [AMC Meeting](#), Denver, CO
08/16/07 [IWG Conference Call](#)
07/19/07 [IWG Conference Call](#)
06/21/07 [IWG Conference Call](#)
05/15/07 [IWG Conference Call](#)
04/17/07 [IWG Meeting](#), San Diego, CA

04/13/07 [TSS Demonstrating Reasonable Progress Training Call](#)
 03/15/07 [IWG Conference Call](#)
 02/15/07 [IWG Conference Call](#), Notes [PDF](#) or [DOC](#)
 02/15/07 [TSS Training for SIP Planners Call](#)
 01/25/07 [IWG Conference Call](#)

2006 Events

12/21/06 IWG Conference Call Notes [PDF](#) or [DOC](#)
 12/06/06 [IWG Meeting](#), Santa Fe, NM
 11/16/06 [IWG Conference Call](#)
 10/26/06 [IWG Conference Call](#)
 09/21/06 [IWG Conference Call](#)
 08/29/06 [IWG Meeting](#), Portland, OR
 08/21/06 [IWG Conference Call](#)
 08/02/06 [IWG Special Conference Call](#)
 07/20/06 [IWG Conference Call](#)
 06/15/06 [IWG Conference Call](#)
 05/24/06 [IWG Meeting](#), Sacramento CA
 05/18/06 [IWG Conference Call](#)
 04/20/06 [IWG Conference Call](#)
 03/16/06 [IWG Conference Call](#)
 Draft IWG 5/24-25 Agenda [PDF](#) or [DOC](#)

- Call Notes [PDF](#) or [DOC](#)

 02/16/06 [IWG Conference Call](#)
 01/19/06 [IWG Conference Call](#)

2005 Events

12/15/05 [IWG Conference Call](#)
 10/13/05 [IWG Conference Call](#)
 09/29/05 [IWG Conference Call](#)

- Agenda: [PDF](#) or [DOC](#)

 08/29/05 [IWG Meeting](#), Portland, OR

- Agenda: [PDF](#) or [DOC](#)
- Meeting Notes: [PDF](#) or [DOC](#)

 08/18/05 [IWG Conference Call](#)
 07/21/05 [IWG Conference Call](#)
 06/16/05 [IWG Conference Call](#)
 05/19/05 [IWG Conference Call](#)

- Agenda: [PDF](#) or [DOC](#)
- Call Notes: [PDF](#) or [DOC](#)

 04/21/05 [IWG Conference Call](#)
 03/17/05 IWG Conference Call

- Agenda [PDF](#) or [DOC](#)
- Meeting Notes [PDF](#) or [DOC](#)

 03/08/05 [IWG Meeting](#), San Francisco, CA

- Agenda [PDF](#) or [DOC](#)
- Meeting Notes [PDF](#) or [DOC](#)

- Presentation of Draft Phase I Attribution of Haze Report [PDF](#) or [PPT](#)
- Update on the CO SIP Process and Outcomes [PDF](#) or [PPT](#)
- Process Timeline [PDF](#) or [DOC](#)
- Attribution of Haze: What Are the Pieces and How Do They Fit? [PDF](#) or [PPT](#)
- Nevada Attribution of Haze Case Study [PDF](#) or [PPT](#) *Use of Attribution of Haze Report for preliminary analysis of Jarbidge Wilderness Area in Nevada*
- Presentation: Glacier NP Attribution of Haze Case Study [PDF](#) or [PPT](#) *Use of Attribution of Haze Report for preliminary analysis of Glacier National Park in Montana*
- 308 Template Table of Contents [PDF](#) or [DOC](#) *Working draft Table of Contents for prototype 308 SIP/TIP-Writers of first drafts identified*

02/17/05 [IWG Conference Call](#)

- Call Notes [PDF](#) or [DOC](#)

01/20/05 [IWG Conference Call](#)

2004 Events

12/14/04 [IWG Meeting](#), Tempe, AZ

- Agenda [PDF](#) or [DOC](#)
 - DRAFT 308 Regional Haze SIP/TIP Relationship Table Work Products to Road Map, Sorted by Road Map [PDF](#) or [DOC](#)
 - DRAFT 308 Regional Haze SIP/TIP Relationship Table Work Products to Road Map, Alpha Sorted by Work Product Code [PDF](#) or [DOC](#)
 - 308 SIP Development – A Resource Matrix for SIP Preparers [PDF](#) or [DOC](#)
 - DRAFT Road Map (as of 4/22/04) Regional Haze State Implementation Plan Under Section 309(g) of the Regional Haze Rule [PDF](#) or [DOC](#)
 - DRAFT Master Key for Road Map, Relationship Table, and Matrix [PDF](#) or [DOC](#)
 - DRAFT 308 Regional Haze SIP/TIP Development Road Map [PDF](#) or [PPT](#)
 - Roadmap/Resource Matrix Guide [PDF](#) or [PPT](#)

10/28/04 [IWG Conference Call](#)

09/16/04 [IWG Conference Call](#)

- Call Notes [PDF](#) or [DOC](#)
 - 2005 Workplan SIP Schedule [PDF](#) or [XLS](#)
 - 2004 Closeout and 2005 Deliverables Table [PDF](#) or [DOC](#)
 - 308 Regional Haze SIP Development Road Map (Draft) [PDF](#) or [PPT](#)

07/07/04 [IWG Conference Call](#)

05/27/04 [IWG Conference Call](#) (Notes: [PDF](#) or [DOC](#))

04/29/04 [IWG Conference Call](#) (Notes: [PDF](#) or [DOC](#))

03/23/04 [308/309\(g\) IWG Meeting](#), Santa Fe, NM

Communications Committee

Purpose:

facilitate the exchange of information between the standing committees and forums of the WRAP, and is also charged with developing materials that help the general public

understand the WRAP process and take part in its decision making. Some of the products of the Communications Committee have included outreach materials to encourage direct participation, the development of internal and external communications plans and the construction of this Web site.

Membership:

Members

Representatives from states, tribes, FLMs and EPA who are specialists in public information and communication

Major Projects:

- [Communications Manual PDF](#) or [DOC](#)
- [Fact Sheets & Handouts](#)
 - WRAP Fact Sheet [HTML](#), [PDF](#) or [DOC](#)
 - NTEC/WRAP Fact Sheet [PDF](#) or [WPD](#)
 - Committees and Forums Fact Sheet (April 2004) [HTML](#), [PDF](#) or [DOC](#)
 - WRAP Participation: Commitments and Benefits [PDF](#) or [DOC](#)
 - Interest/Sign-up Form [PDF](#) or [DOC](#)
 - Air Pollution Prevention Forum: Energy Efficiency Flier [PDF](#)
 - Fire Emissions Joint Forum Flyer: Smoke Impacts on Regional Haze (June 2003) [PDF](#)
 - Tribal Data Development Work Group Fact Sheet [PDF](#) or [DOC](#)
- [Kid's Corner](#)
- [Presentation Resources](#)
- [Web Site Resources](#)

Meetings:

2006 Events

06/30/06 Committee Call Minutes [PDF](#) or [DOC](#)

04/03/06 [Committee Meeting](#), Salt Lake City, UT

- Agenda [PDF](#) or [DOC](#)
- Website Statistics Update [PDF](#) or [DOC](#)
- Green Tag Presentation [PDF](#) or [DOC](#)

2005 Events

09/27/05 [Committee Meeting](#), Missoula, MT

- Meeting Notes [PDF](#) or [DOC](#)
- Agenda [PDF](#) or [DOC](#)
 - Draft Strategic Plan [PDF](#) or [DOC](#)
 - WRAP Web Site Statistics Update (09/15/05) [PDF](#) or [DOC](#)

05/16/05 [Committee Meeting](#), Phoenix, AZ

- Meeting Notes [PDF](#) or [DOC](#)
- Agenda [PDF](#) or [DOC](#)
 - Attendees [PDF](#) or [DOC](#)
 - 2003-05 WRAP Web Statistics [PDF](#) or [DOC](#)

2004 Events

- 12/06/04 [Committee Meeting](#), San Francisco, CA
04/07/04 Committee Meeting, Tempe, AZ
- Agenda [PDF](#) or [DOC](#)
 - Meeting Notes [PDF](#) or [DOC](#)

2003 Events

- 10/13/03 Committee Meeting, Salt Lake City, UT
- Agenda [PDF](#) or [DOC](#)
 - Meeting Notes [PDF](#) or [DOC](#)
- 04/01/03 Committee Meeting, Portland, OR [PDF](#) or [DOC](#)

2002 Events

- 12/12/02 [Committee Meeting](#), San Francisco, CA
07/22/02 [Committee Meeting](#), Denver, CO
07/05/02 Subcommittee on Outreach Call Minutes [PDF](#)
04/04/02 Committee Conference Call Minutes [DOC](#)

2001 Events

- 11/13/01 Committee Meeting, [DOC](#) Salt Lake City, UT
07/24/01 TOC Team Call Minutes [DOC](#)
06/22/01 TOC Team Call Minutes [DOC](#)
05/22/01 Committee Meeting Minutes, [DOC](#) Albuquerque, NM
02/06/01 [Committee Conference Call Minutes](#)

2000 Events

- 09/26/00 [Committee Meeting Minutes](#), Sacramento, CA
09/14/00 [Speaker's Bureau Conference Call Minutes](#)
09/07/00 [Committee Conference Call Minutes](#)
08/10/00 [Committee Meeting Minutes](#), Seattle Washington
07/26/00 [Committee Conference Call Minutes](#)
07/18/00 [Committee Conference Call Minutes](#)
06/14/00 [Committee Conference Call Minutes](#)
06/06/00 [Committee Conference Call Minutes](#)
05/30/00 [Committee Conference Call Minutes](#)
05/24/00 [Committee Conference Call Minutes](#)
05/17/00 [Committee Conference Call Minutes](#)
05/08/00 [Committee Meeting Minutes](#), Tempe, AZ
01/06/00 [Committee Conference Call Minutes](#)

1999 Events

- 09/17/99 [Committee Meeting Minutes](#), Salt Lake City, UT
08/12/99 [Committee Conference Call Minutes](#)
06/17/99 [Committee Meeting Minutes](#), Seattle, WA
05/06/99 [Committee Meeting Minutes](#), Denver, CO

Planning Team

Purpose:

As needed to address long-term planning and administrative issues, such as annual WRAP work plans and the WRAP strategic plan. Some of the functions performed by the Planning Team were previously performed by the Coordinating Group, which no longer exists. A record of Coordinating Group activities can be found on the Meetings & Calls page of the Planning Team portion of this website

Membership:

Members

Co-chairs of all WRAP forums, the co-chairs of the Air Managers Committee, the co-chairs of the Communications Committee, and all members of the Initiatives Oversight and Technical Oversight Committees.

Significant Work Products:

- WRAP Work Plan Update for 2005-2007 (05/05/05) [PDF](#) or [DOC](#)
- WRAP 2005 Work Plan (12/07/04) [PDF](#) or [DOC](#)
- WRAP 2004 Work Plan (10/14/03) [PDF](#) or [DOC](#)
- WRAP Strategic Plan 2003-2008 (09/29/03) [PDF](#) or [DOC](#)
- WRAP 2003 Work Plan (11/12/02) [PDF](#) or [DOC](#)

Other Major Projects

- [Strategic Planning Work Group](#)

Meetings:

2008 Events

01/25/08 [Planning Team Call](#)

2007 Events

2006 Events

02/22/06 [Planning Team Meeting](#), Salt Lake City, UT

2005 Events

03/09/05 [Planning Team Meeting](#), San Francisco, CA

2004 Events

07/20/04 Planning Team Meeting, Denver, CO

- Agenda [PDF](#) or [DOC](#)
 - Individual Work Plans Available as of July 13 [PDF](#) or [DOC](#)
 - 2004 Financial Status and 2005 Proposed Projects [XLS](#) or [PDF](#)
 - 2004 Work Plan [PDF](#)
 - Strategic Plan [PDF](#)

2003 Events

08/13/03 [Planning Team Meeting](#), Denver, CO

03/18/03 [WRAP Forums and Planning Team Meeting](#), Santa Fe, NM

2002 Events

10/07/02 [Planning Team Meeting](#), Tempe, AZ

07/25/02 [Planning Team Meeting](#), Denver, CO

2001 Events

09/05/01 [Planning Team Meeting](#), Seattle, WA

2000 Events

07/17/00 [Coordinating Group Meeting Minutes](#), Denver, CO

06/05/00 [Group Conference Call Minutes](#)

03/29/00 [Coordinating Group Meeting Minutes](#), Salt Lake City, UT

1999 Events

11/01/99 [Coordinating Group Meeting Minutes](#), Salt Lake City, UT

10/27/99 [Group Conference Call Minutes](#)

10/20/99 [Group Conference Call Minutes](#)

10/07/99 [Group Conference Call Minutes](#)

09/29/99 [Group Conference Call Minutes](#)

09/22/99 [Group Conference Call Minutes](#)

09/16/99 [Coordinating Group Meeting Minutes](#), Salt Lake City, UT

09/08/99 [Group Conference Call Minutes](#)

09/01/99 [Group Conference Call Minutes](#)

07/20/99 [Coordinating Group Meeting Minutes](#), Salt Lake City, UT

06/16/99 [Coordinating Group Meeting Minutes](#), Seattle, WA

05/14/99 [Coordinating Group Meeting Minutes](#), Phoenix, AZ

04/22/99 [Group Conference Call Minutes](#)

Initiatives Oversight Committee

Purpose:

provides general oversight for the coordination and development of air quality strategies necessary to promote the implementation of the Grand Canyon Visibility Transport Commission's recommendations.

Membership:**Members**

representatives from three tribes, three states, a federal land manager, and EPA representative, and two representatives each from the environmental and industrial communities

Significant Work Products:

- WRAP Comments On Draft Guidance (02/10/06) [PDF](#)
- WRAP Letter Seeking Coordination of Regional Haze SIP Submittal Dates (11/03/03)
 - Letter to Senators Inhofe and Baucus [PDF](#)
 - Letter to Senators Stevens and Byrd [PDF](#)
 - Letter to Representatives Tauzin and Dingell [PDF](#)
 - Letter to Representatives Young and Obey [PDF](#)
 - Map of PM-2.5 designations and haze SIP due dates [GIF](#) (40 kb) or [PPT](#) (700 kb)
- Letter to Lydia Wegman (EPA) by IOC/TOC Chairs Containing updated questions to those sent on 01/18/02.
 - Letter [PDF](#) (01/07/03)
 - EPA Response [PDF](#) (03/03)
- Final EPA Protocol for Reviewing 309 SIPs [PDF](#)(03/31/03)
- Draft EPA Protocol for Reviewing 309 SIPs [PDF](#) (03/10/03)
- Cover Letter to Draft EPA Protocol [PDF](#) (03/10/03)
- Discussion paper: Options for Preserving the WRAP's SO2 Annex in Federal Multi-Pollutant Legislation for Electric Utilities [DOC](#) [WPD](#) (04/22/02)
- Letter to Lydia Wegman (EPA) Containing 19 questions regarding the regional haze rule and SIPs [PDF](#) (01/18/02)

2006 Events

05/23/06 [WRAP Workshop on Carbon, Fire and Dust](#), Sacramento, CA

01/10/06 [WRAP Workshop on Sulfate, Nitrate, and Reasonable Progress](#), Tucson, AZ

2003 Events

07/28/03 [NOx Issues in the West](#), Denver, CO

03/18/03 [WRAP Forums and Planning Team Meeting](#), Santa Fe, NM

2002 Events

10/09/02 [IOC Meeting](#), Tempe, AZ

10/07/02 [Planning Team Meeting](#), Tempe, AZ

07/25/02 [Planning Team Meeting](#), Denver, CO

07/11/02 [IOC Meeting](#), Denver, CO

03/20/02 [IOC Meeting Minutes and Documents](#), Tempe, AZ

2001 Meetings

12/13/01 IOC Meeting Minutes, San Diego, CA [PDF](#)

09/05/01 [Planning Team Meeting](#), Seattle, WA

07/23/01 IOC Conference Call Minutes [DOC](#)

06/18/01 IOC Meeting Minutes, Portland, OR [DOC](#)

04/30/01 IOC Conference Call Minutes [DOC](#)

2000 Events

11/09/00 [IOC Meeting Agenda](#)

09/15/00 [IOC Conference Call Minutes](#)

08/23/00 [IOC Conference Call Minutes](#)
03/28/00 [IOC Meeting Minutes](#)
01/31/00 [IOC Conference Call Minutes](#)
01/10/00 [IOC Meeting Minutes](#)

Technical Oversight Committee

Purpose:

The TOC identifies technical issues and tasks necessary to support the activities of the WRAP and refers these issues to the technical forums. The TOC identifies issues to be addressed by the forums, based on input, priorities, and directions from the WRAP. The TOC reviews any recommendations made by the forums and subsequently makes its own recommendations to the WRAP.

Membership:

Members

Representatives from three tribes, three states, a federal land manager, and EPA representative, and two representatives each from the environmental and industrial communities

Significant Work Products:

- [Technical Support System](#) (TSS)
- [GIS Landuse Database](#)
- [Aoh Phase II Project](#)

Major Projects:

- [Attribution of Haze WG](#)

Meetings:

2009 Events

12/10/09 [TOC/Co-Chairs Conference Call](#)
09/24/09 [TOC/Co-Chairs Conference Call](#)
07/28/09 [TOC/Co-Chairs Conference Call](#)
06/23/09 [TOC/Co-Chairs Conference Call](#)
04/09/09 [TOC/Co-Chairs Conference Call](#)
03/26/09 [TOC/Co-Chairs Conference Call](#)
03/11/09 [TOC 2010-11 WRAP Workplan Review Meeting](#)
02/25/09 [TOC/Co-Chairs Conference Call](#)
01/08/09 [TOC/Co-Chairs Conference Call](#)

2008 Events

12/11/08 [TOC/Co-Chairs Conference Call](#)
11/06/08 [TOC/Co-Chairs Conference Call](#)
10/09/08 [TOC/Co-Chairs Conference Call](#)

09/24/08 [TOC/Co-Chairs Conference Call](#)
 09/04/08 [TOC/Co-Chairs Conference Call](#)
 08/07/08 [TOC/Co-Chairs Conference Call](#)
 07/29/08 [Workshop on Regional Emissions & Air Quality Modeling Studies](#) (*Interactive*)
 07/11/08 [TOC/Co-Chairs Conference Call](#)
 06/13/08 [TOC/Co-Chairs Conference Call](#)
 05/29/08 [TOC/Forum & WG Co-Chairs 2009 Workplan Call](#)
 05/15/08 [Workshop on Monitoring & Data for Regional Analysis](#) (*Interactive*)
 05/09/08 [TOC/Co-Chairs Conference Call](#)
 04/11/08 [TOC/Co-Chairs Conference Call](#)
 03/14/08 [TOC/Co-Chairs Conference Call](#)
 02/08/08 [TOC/Co-Chairs Conference Call](#)

2007 Events

11/02/07 [TOC/Co-Chairs Conference Call](#)
 09/25/07 [Regional Haze Emissions Inventories Meeting](#), Salt Lake City, UT
 06/19/07 [TSS Orientation & Review Workshop](#), Denver, CO
 06/01/07 [TOC/Co-Chairs Conference Call](#)
 05/04/07 [TOC/Co-Chairs Conference Call](#)
 04/06/07 [TOC/Co-Chairs Conference Call](#)
 03/02/07 [TOC/Co-Chairs Conference Call](#)
 02/02/07 [TOC/Co-Chairs Conference Call](#)
 01/05/07 [TOC/Co-Chairs Conference Call](#)

2006 Events

12/01/06 [TOC Conference Call](#) (Notes: [PDF](#) or [DOC](#))
 11/06/06 [TOC Conference Call](#) (Notes: [PDF](#) or [DOC](#))
 10/06/06 [TOC Conference Call](#) (Notes: [PDF](#) or [DOC](#))
 09/01/06 [TOC Conference Call](#) - Cancelled
 08/04/06 [TOC Conference Call](#)
 07/07/06 [TOC Conference Call](#) (Notes: [PDF](#) or [DOC](#))
 06/02/06 [TOC Conference Call](#) (Notes: [PDF](#) or [DOC](#))
 05/05/06 [TOC Conference Call](#)
 04/07/06 [TOC Conference Call](#) (Notes: [PDF](#) or [DOC](#))
 03/03/06 [TOC Conference Call](#) (Notes: [PDF](#) or [DOC](#))
 02/13/06 [TOC Conference Call](#)

- February 13, 2006 Draft: EPA PM NAAQS Proposal of January 17, 2006
- Technical Comments by WRAP [PDF](#) or [DOC](#)

02/03/06 TOC Conference Call (Notes: [PDF](#) or [DOC](#))
 01/06/06 TOC Conference Call (Notes: [PDF](#) or [DOC](#))

- Forums Update [PDF](#) or [DOC](#)

2005 Events

12/02/05 [TOC Conference Call](#)
 11/04/05 [TOC Conference Call](#)
 10/07/05 [TOC Conference Call](#)
 09/02/05 [TOC Conference Call](#)

08/05/05 [TOC Conference Call](#)
 07/08/05 [TOC Conference Call](#)
 04/08/05 [TOC Conference Call](#)
 02/11/05 [TOC Conference Call](#)
 01/13/05 [TOC Conference Call](#)

2004 Events

12/06/04 [TOC Conference Call](#)
 11/08/04 [TOC Conference Call](#)
 10/14/04 [TOC Conference Call](#)
 09/17/04 [TOC Conference Call](#)
 08/12/04 [TOC Conference Call](#)
 07/13/04 [TOC WIGIMS Call](#)
 07/08/04 [TOC Co-Chairs Call](#)
 07/07/04 [TOC WIGIMS Call](#)
 06/17/04 [TOC Conference Call](#)
 05/13/04 [TOC Co-Chairs Meeting](#), San Francisco, CA
 04/15/04 [TOC Conference Call](#)
 03/12/04 [TOC Conference Call](#)
 02/12/04 [TOC Conference Call](#)
 01/26/04 [TOC Technical Summit](#), Tempe, AZ
 01/08/04 [TOC Conference Call](#)

2003 Events

12/04/03 [TOC Conference Call](#)
 11/13/03 [TOC Conference Call](#)
 09/11/03 TOC Conference Call Documents

- Meeting Notes [PDF](#), [DOC](#) or [WPD](#)
- Agenda [PDF](#) or [DOC](#)
- 2004 Workplan and Budget Requests (08/18/03) [XLS](#)
- WIGIMS Scope of Work (07/17/03) [PDF](#) or [DOC](#)
- Attribution of Haze Workgroup Mission Statement (09/11/03) [PDF](#), [DOC](#) or [WPD](#)
- Technical Forum's Status Report [PDF](#) or [DOC](#)

 07/11/03 TOC Conference Call

- Meeting Notes [PDF](#) or [WPD](#)
- Agenda [PDF](#) or [DOC](#)
- July 2003 Technical Forums Update [PDF](#) or [DOC](#)

 06/13/03 TOC Conference Call Notes [PDF](#), [DOC](#) or [WPD](#)
 05/05/03 [Technical Oversight Committee Meeting](#), Denver, CO
 03/18/03 [WRAP Forums and Planning Team Meeting](#), Santa Fe, NM
 03/07/03 TOC Conference Call

- Agenda [DOC](#)
- Status of Technical Forums Summary [DOC](#)
- Notes [PDF](#)

 02/10/03 [Technical Oversight Co-Chairs Meeting](#), Scottsdale, AZ

- Meeting Minutes [PDF](#)

01/17/03 TOC Conference Call Notes [PDF](#)

2002 Events

- 12/13/02 TOC Conference Call Summary [DOC](#)
- 10/09/02 [TOC & Technical Co-Chairs Meeting](#), Tempe, AZ
- 10/07/02 [Planning Team Meeting](#), Tempe, AZ
- 07/25/02 [Planning Team Meeting](#), Denver, CO
- 07/09/02 [WRAP Technical Conference & Presentations](#), Denver, CO
- 06/12/02 [TOC Technical Oversight Committee Meeting](#), Seattle, WA
- 04/19/02 TOC Conference Call Summary [DOC](#)
- 03/07/02 [Technical Oversight Committee Meeting](#), Scottsdale, AZ
 - Meeting Notes [DOC](#)
- 01/10/02 [TOC & Technical Co-Chairs Conference Call](#)

2001 Events

- 12/17/01 [TOC & Technical Co-Chairs Conference Call](#)
- 11/29/01 [TOC & Technical Co-Chairs Conference Call](#)
- 10/25/01 [TOC Conference Call Summary](#)
- 09/05/01 [Planning Team Meeting](#), Seattle, WA
- 06/21/01 TOC & Technical Co-Chairs Conference Call Summary [PDF](#)
- 03/29/01 TOC & Technical Co-Chairs Meeting Summary [PDF](#)
- 07/16/01 TOC Meeting Agenda, Denver CO [PDF](#)

Forums:

[Air Pollution Prevention Forum](#)

Purpose:

Created by the WRAP to examine barriers to use of renewable energy and energy efficient technologies, identify actions to overcome such barriers, and recommend potential renewable energy and energy efficiency programs and policies that could result in a reduction of air pollution emissions from energy production and energy end-use sectors in the Grand Canyon Visibility Transport Region.

Membership:

[Members](#)

Representatives of state energy and public utility agencies, tribal environmental groups, private utilities, alternative energy enterprises and other stakeholders

Significant Work Products:

[Energy Efficiency Flier](#) (PDF, 03/22/04)

- WRAP Policy on Renewable Energy and Energy Efficiency As Pollution Prevention Strategies For Regional Haze (April 2003) [DOC](#)
- Economic Assessment of Implementing the 10/20 Goals and Energy Efficiency Recommendations (October 2002) [DOC](#)

- Recommendations of the AP2 Forum to Increase the Generation of Electricity from Renewable Sources (06/30/00) Final [PDF](#)
 - Appendices A-D [PDF](#)
 - Appendix E [XLS](#)
 - Appendices F-G [PDF](#)

Other Major Projects:

- [Renewable Energy Credits / WREGIS](#)
- [Tribal Resources](#)
- [Quantitative Work Group](#)

Meetings:

2003 Events

05/20/03 [Pollution Prevention Workshop for Preparation of 309 Plans](#), Portland, OR

2002 Events

06/06/02 [Forum Meeting](#), Portland, OR

02/19/02 [Forum & SIP Guidebook Meetings](#)

2001 Events

03/15/01 Forum Meeting Summary, Sacramento, CA [DOC](#)

2000 Events

12/05/00 [Forum Meeting Summary](#), Portland, OR

[Agenda for the AP2 Meeting](#)

05/31/00 [Forum Meeting Summary](#), San Francisco, CA

05/09/00 [Presentation at Meeting](#), Phoenix, AZ

03/13-14/00 [Meeting](#), Portland, OR

01/31 - 02/01/00 [Meeting](#) San Diego, CA

[Dust Emissions Joint Forum](#)

Purpose:

To consolidate the WRAP's efforts involving dust. Previously, three forums had worked on dust issues: the Mobile Sources Forum, the Research and Development Forum, and the Emissions Forum.

Membership:

[Members](#)

Representatives of state and local air and transportation planning agencies, tribal environmental programs, federal land management agencies, with stakeholders from industrial and agricultural interests.

Significant Work Products:***Major Projects***

- [New Mexico Pilot](#) – Demonstration of use of analytical tools for planning
- [Definition of Dust](#) – Document to distinguish natural and anthropogenic sources of fugitive dust emissions
- [Fine Fraction of Fugitive Dust](#) – Document with research results and recommendations on AP-42 PM2.5 emission factors
- [Causes of Dust Analysis](#) – Report evaluating relative importance of different source categories to total dust concentrations
- [Fugitive Dust Emissions from Wind Erosion](#) – Evaluation of estimating methodologies for wind-blown fugitive dust.
- [Fugitive Dust Handbook](#) – A reference document for estimating cost effectiveness of alternate dust control techniques

Meetings:**2006 Events**

- 12/12/06 [DEJF Conference Call](#)
 10/24/06 [DEJF Conference Call](#)
 09/26/06 [DEJF Conference Call](#) Notes: [PDF](#) or [DOC](#)
 05/23/06 [WRAP Workshop on Fire, Carbon and Dust](#), Sacramento, CA
 02/28/06 DEJF Conference Call [PDF](#) or [DOC](#)

2005 Events

- 11/15/05 [DEJF Meeting](#), Tempe, AZ
 10/24/05 DEJF Conference Call [PDF](#) or [DOC](#)
 08/23/05 DEJF Conference Call [PDF](#) or [DOC](#)
 05/12/05 [DEJF Meeting](#), Palm Springs, CA
 05/10/05 [Fugitive Dust Control Conference](#), Palm Springs, CA
 04/26/05 DEJF Conference Call [PDF](#) or [DOC](#)
 03/22/05 DEJF Conference Call [PDF](#) or [DOC](#)
 02/22/05 DEJF Conference Call [PDF](#), [WPD](#) or [DOC](#)
 01/25/05 DEJF Conference Call [PDF](#) or [DOC](#)
 01/04/05 DEJF Conference Call [PDF](#), [DOC](#) or [WPD](#)

2004 Events

- 11/30/04 DEJF Conference Call [PDF](#) or [DOC](#)
 11/15/04 DEJF & AoH Work Group Meeting, Las Vegas, NV
 - DEJF & AoH Work Group Meeting Agenda [PDF](#) or [DOC](#)
 - DEJF Meeting Minutes by Lee Gribovicz [PDF](#) or [DOC](#) or [WPD](#)
 - DEJF Meeting Attendee List [PDF](#) or [DOC](#)
 - Fugitive Dust Handbook and Website [PDF](#) or [PPT](#)
Richard Countess, Countess Environmental (1/15, 1:15p)

- Dust Emission Research in the Northern Chihuahuan Desert of NM [PDF](#) (3.8 MB)
Dale Gillette, NOAA (1/15, 2:15p)
 - Projection of 2018 Dust Emission Inventory [PDF](#) or [DOC](#)
Lee Alter and Tom Moore, WGA (1/15, 3:30p)
 - Dust Watch Proposal [PDF](#) or [PPT](#)
Lee Alter, WGA (1/15, 3:30p)
 - Overview of AoH Report - Process & Status [PDF](#) or [PPT](#)
Joe Adlhoch, Air Resource Specialists (11/16, 9:30a)
 - DEJF Windblown Dust Model – Results & Status [PDF](#) or [PPT](#)
Gerard Mansell, ENVIRON (11/16, 10:30a)
- 10/22/04 DEJF Conference Call Minutes [PDF](#) or [DOC](#)
- 09/28/04 DEJF Conference Call Minutes [PDF](#) or [DOC](#)
- 08/24/04 DEJF Conference Call Minutes [PDF](#), [WPD](#) or [DOC](#)
- 08/13/04 DEJF Conference Call Minutes [PDF](#) or [WPD](#)
- 07/27/04 Dust Emissions Joint Forum Meeting, Reno, NV
- Agenda [PDF](#) or [DOC](#)
 - Minutes [PDF](#) or [WPD](#)
 - Forum Overview and Timeframes, Lee Alter [PDF](#) or [PPT](#)
 - Update on Dust Handbook, Richard Countess [PDF](#) or [PPT](#)
 - Update on Windblown Dust Inventory, Gerry Mansell, [PDF](#) or [PPT](#)
 - Update on Ambient Analysis of 20% Worst Days, Jin Xu, [PDF](#) or [PPT](#)
 - Dust Monitoring and Modeling at Owens Lake, Duane Ono, [PDF](#) or [PPT](#)
 - Recent CA Legislation and Control Measures, Mel Zeldin, [PDF](#) or [PPT](#)
 - Using Satellite Imagery to Improve Dust Emission Inventories, Chat Cowherd, [PDF](#) or [PPT](#)
 - Using Satellite Imagery to Identify Dust Emission Areas and Compliance, David Groeneveld (forthcoming)
 - Fugitive Dust Research at DRI, Hampden Kuhns, [PDF](#) or [PPT](#)
- 05/25/04 Dust Emissions Joint Forum Conference Call Minutes [PDF](#) or [DOC](#)
- 04/27/04 Dust Emissions Joint Forum Conference Call
- Call Minutes [PDF](#) or [WPD](#)
 - Agenda [PDF](#) or [DOC](#)
 - Draft Work Plan for Development of a Fugitive Dust Handbook and Website [PDF](#) or [DOC](#)
- 03/23/04 Dust Emissions Joint Forum Conference Call Minutes [PDF](#) or [WPD](#)
- 02/24/04 Dust Emissions Joint Forum Meeting, Las Vegas, NV
- Agenda [PDF](#) or [DOC](#)
 - Minutes [PDF](#)
 - Rd. dust measurement techniques (Rodney Langston) [PDF](#) or [PPT](#)
 - Transportation conformity and haze issues (Susan Hardy) [PDF](#) or [PPT](#)
 - Notes on the definition and categorization of dust (Lee Alter) [PDF](#) or [DOC](#)
 - Dust impacts on the 20% worst visibility days (Vic Etyemezian) [PDF](#) or [PPT](#)
 - Notes on dust impacts on the 20% worst days (Lee Alter) [PDF](#) or [DOC](#)
 - Summary/recs for a wind-blown dust inventory (Gerry Mansell) [PDF](#) or [PPT](#)
 - Additional recs for a wind-blown dust inventory (Michael Uhl) [PDF](#) or [PPT](#)
 - Next steps for a wind-blown dust inventory (Tom Moore) [PDF](#) or [PPT](#)

- Comparison of the Fugitive Dust Model to Emission at Keeler Dunes (Duane Ono) [PDF](#) or [PPT](#)

02/10/04 Dust Emissions Joint Forum Conference Call Minutes [PDF](#) or [DOC](#)

01/13/04 Dust Emissions Joint Forum Conference Call Minutes [PDF](#) or [DOC](#)

2003 Events

12/16/03 Dust Emissions Joint Forum Conference Call Minutes [PDF](#) or [DOC](#)

11/14/03 Dust Emissions Joint Forum Conference Call Minutes [PDF](#) or [DOC](#)

10/29/03 [Emissions Joint Forum & Dust Emissions Joint Forum Meeting](#), Las Vegas, NV

03/19/03 [WRAP Forums and Planning Team Meeting](#), Santa Fe, NM

2002 Events

11/06/02 [Dust Emissions Joint Forum Meeting](#), Las Vegas, NV

2001 Events

05/07/01 Teleconference on WRAP Dust Issue [DOC](#)

The Emissions Forum coordinated a conference call on fugitive dust issues in the WRAP 1996 Base Year Emission Inventory, and on potential cooperative efforts between the WRAP/EPA/WESTAR to address these concerns.

2000 Events

12/14/00 [Research and Development Forum Fugitive Dust Workshop](#), Las Vegas, NV

Economic Analysis Forum

Purpose:

To provide the WRAP and WRAP forums with projections of econometric parameters needed to forecast changes in emissions, and assessments of the economic effects of pollution controls on the region and sub-regions, including Indian Country.

Membership:

Members

Representatives of state and local economic analysis and council of government organizations, EPA, federal land management agencies and stakeholders.

Significant Work Products:

Major Projects

- [Economic Analysis Framework](#)
- [Framework Application Test](#)

Meetings:

2003 Events

03/18/03 [WRAP Forums and Planning Team Meeting](#), Santa Fe, NM

Economic Analysis Forum Meeting Agenda [PDF](#)

2002 Events

12/13/02 [Economic Analysis Framework Workshop](#), Denver, CO

Emissions Forum***Purpose:***

To oversee the development of a comprehensive emissions tracking and forecasting system which can be utilized by the WRAP, or its member entities, monitors the trends in actual emissions, and forecasts the anticipated emissions which will result from current regulatory requirements and alternative control strategies.

Membership:**Members**

Representatives of state and tribal air programs, EPA and federal land managers, with stakeholders from industrial and environmental interests. Membership on the forum is augmented by a workgroup of state staff members that work on emissions inventories

Significant Work Products:**Major Projects**

- [EDMS Operations & Maintenance](#) – Primary source of comprehensive emissions data bases for base-year and projection years
- [Oil/Gas Area Source Emissions/Controls](#) – Ongoing evaluation of existing and state-of-the-art controls for oil and gas production facilities
- [Stationary/Area Source Emission Projections](#) – Planning emission estimates for base year
- [Updating Mobile Source Emissions](#) – Evaluation of effects on mobile source emissions from recent federal requirements
- [EDMS Project Page](#) – Working interactive webpage that users can access regional emissions data, develop reports for decision makers and the public
- [AK Aviation Inventory](#) – Emission estimates from aviation sector of transportation emissions in Alaska

Meetings:**2009 Events**

11/18/09 [Emission Forum EDMS Work Group Call](#)

09/30/09 [EDMS Status Call](#)

07/29/09 [EDMS Status Call](#)

05/27/09 [EDMS Status Call & Webinar](#)

03/25/09 [EDMS Status Call](#)

02/27/09 [Emission Forum Call](#)

02/19/09 [Emission Forum Call](#)

01/28/09 [EDMS Status Call](#)

2008 Events

11/19/08 [EDMS Status Call](#)

09/24/08 [EDMS Status Call](#)

07/31/08 [EDMS Status Call](#)

06/11/08 [Emission Forum Call](#)

06/02/08 [EPA 17th International Emission Inventory Conference](#)

05/28/08 [EDMS Status Call](#)

03/26/08 [EDMS Status Call](#)

01/30/08 [EDMS Status Call](#)

2007 Events

12/12/07 [EDMS Status Call](#)

10/24/07 [EDMS Status Call](#)

08/28/07 [EDMS Status Call](#)

08/23/07 [Emissions Forum Call](#)

06/27/07 [EDMS Status Call](#)

05/30/07 [EDMS Status Call](#)

05/01/07 [EDMS Status Call](#)

03/29/07 [EDMS Status Call](#)

02/28/07 [EDMS Status Call](#)

01/17/07 [EDMS Status Call](#)

2006 Events

11/30/06 [Emissions Forum Call](#), Call Notes: [PDF](#) or [DOC](#)

10/18/06 [Emissions Forum Meeting](#), Spokane, WA

08/14/06 [Emissions Forum Call](#)

08/02/06 [EDMS Steering Committee Call](#)

07/12/06 [Emissions Forum Meeting](#), Portland, OR

05/31/06 [Emissions Forum Call](#)

04/18/06 [Emissions Forum Meeting](#), Tempe, AZ

02/07/06 [Emissions Forum Meeting](#), Santa Fe, NM

01/18/06 [Emissions Forum Call](#)

2005 Events

12/05/05 [Emissions Data Management System Web Training Call](#)

12/02/05 [Emissions Forum Call](#) (Notes: [PDF](#))

10/05/05 [Emissions Forum Call](#) (Notes: [PDF](#) or [DOC](#))

09/27/05 [Emissions Forum Meeting](#), Missoula, MT

06/21/05 [Emissions Forum Call](#)

05/24/05 [Emissions Forum Call](#) (Notes: [PDF](#) or [DOC](#))

04/26/05 [Alaska Regional Haze Technical Analysis Meeting](#)

02/10/05 [Emissions Forum Call](#) (Notes: [PDF](#) or [DOC](#))

01/26/05 [Emissions Forum Meeting](#), San Diego, CA

2004 Events

- 12/10/04 [Emissions Forum Call](#) (Notes: [PDF](#) or [DOC](#))
- 11/08/04 [Emissions Forum Call](#)
- 10/19/04 [Emissions Forum Meeting & EDMS Training](#), Boise, ID
- 08/05/04 [Emissions Forum Call](#)
- 07/14/04 [Emissions Forum Meeting](#), Reno, NV
- 06/18/04 [Emissions Forum Call](#)
- 05/11/04 [EDMS Project Workshop](#)
- 04/09/04 [Emissions Forum Call](#)
- 03/24/04 [Emissions Forum Meeting](#), Santa Fe, NM
- 02/03/04 [Emissions Forum Call](#)

2003 Events

- 10/28/03 [Emissions Forum & Dust Emissions Forum Joint Meeting](#), Las Vegas, NV
- 10/14/03 [NARSTO Workshop on Innovative Emission Inventory Methods](#), Austin, TX
- 09/05/03 [Emissions Forum Call](#)
- 07/01/03 [Emissions Forum Meeting](#), Portland, OR
- 05/07/03 [Emissions Data Management System Needs Assessment Workshop](#), Denver, CO
- 03/19/03 [WRAP Forums and Planning Team Meeting](#), Santa Fe, NM

2002 Events

- 11/14/02 [Emissions Forum Meeting](#), Tempe, AZ
- 05/23/02 [Emissions Forum Workplan & Budget Meeting](#), Salt Lake City, UT
- 04/03/02 Emissions Forum/EI Work Group Conference Call Minutes [DOC](#) or [WPD](#)
- 01/29/02 [Emissions Forum Meeting](#), Phoenix, AZ

2001 Events

- 09/27/01 [Emissions Forum & Emissions Work Group Meeting](#), UC Riverside
- 05/14/01 [Emissions Forum Meeting](#), Spokane, WA
- 05/07/01 Teleconference on WRAP Dust Issue [DOC](#)
- 02/01/01 Emissions Forum Final Meeting Minutes [PDF](#) or [WPD](#)

2000 Events

- 07/11/00 Emissions Forum Final Meeting Minutes [WPD](#)
- 08/30/00 Emissions Forum Final Meeting Minutes [WPD](#)

Fire Emissions Joint Forum

Purpose:

to assist the Western Regional Air Partnership in addressing the Grand Canyon Visibility Transport Commission's ([GCVTC](#)) Recommendations on fire, and to implement requirements of §309 of the regional haze rule.

Membership:**Members**

Representatives of state and tribal agencies with specialties in fire and smoke management, EPA, federal land managers and stakeholders representing industrial, agricultural, environmental interests

Significant Work Products:**Major Projects**

- [Annual Emission Goal](#)
- [Basic Smoke Mgmt. Programs](#)
- [Emissions](#)
 - [Phase I Fire EI](#)
 - [Phase II Fire EI](#)
 - [Phase III/IV Fire EI](#)
 - [InterRPO Wildfire EI](#)
- [Emissions Reduction Techniques](#)
- [Enhanced Smoke Management Programs](#)
- [Fire Tracking Systems](#)
- [National Fire Emissions Technical Workshop](#)
- [Natural Background](#)
- [Non-Burning Alternatives on Agricultural Lands](#)
- [Non-Burning Alternatives on Wildlands](#)
- [Prescribed Fire Plan Assessment](#)
- [Public Education and Outreach](#)
- [Regional Coordination](#)
- [TWIST](#) (Technical WRAP-up Implementation Support Team)

Meetings:**2009 Events**

- 12/17/2009 [Fire Emissions Tracking System \(FETS\) Project Call](#)
- 10/13/09 [Fire Emissions Tracking System \(FETS\) Project Call](#)
- 08/31/09 [Fire Emissions Tracking System \(FETS\) Project Meeting](#)
- 03/04/09 [Smoke & Fire Emissions Forum Call](#)
- 02/24/09 [Smoke & Fire Emissions Forum Call](#)
- 02/18/09 [FETS Webinar for Data Analysts and Air Quality Planners](#)
- 01/15/09 [FEJF Conference Call](#)
- 01/14/09 [FETS Smoke Management Program Webinar](#)

2008 Events

- 12/10/08 [FETS Data Provider Webinar](#)
- 11/20/08 [FEJF Conference Call](#)
- 08/26/08 [FEJF Conference Call](#)
- 03/31/08 [FEJF Conference Call](#)
- 01/29/08 [FEJF Conference Call](#)

2007 Events

09/26/07 [FEJF Meeting](#), Salt Lake City, UT
06/25/07 [FEJF Conference Call](#)
05/29/07 [FEJF Conference Call](#)
04/24/07 [FEJF Conference Call](#)
02/22/07 [Fire Emissions Joint Forum Meeting](#), San Diego, CA
01/30/07 [FEJF Conference Call](#)

2006 Events

11/28/06 [FEJF Conference Call](#)
10/17/06 [Fire Emissions Joint Forum Meeting](#), Spokane, WA
07/11/06 [Fire Emissions Joint Forum Meeting](#), Portland, OR
05/23/06 [WRAP Workshop on Fire, Carbon and Dust](#), Sacramento, CA
04/25/06 [FEJF Conference Call](#)
03/28/06 [FEJF Conference Call](#)
03/07/06 [FEJF Meeting](#), Albuquerque, NM
01/24/06 [FEJF Conference Call](#)

2005 Events

12/20/05 FEJF Conference Call Notes [PDF](#) or [DOC](#)
11/30/05 [FEJF Meeting](#), Seattle, WA
10/25/05 FEJF Conference Call Notes [PDF](#) or [DOC](#)
09/28/05 [FEJF Meeting](#), Missoula, MT
08/23/05 FEJF Conference Call Notes [PDF](#) or [DOC](#)
07/26/05 FEJF Conference Call Notes [PDF](#) or [DOC](#)
06/07/05 [FEJF Meeting](#), Denver, CO
02/23/05 [FEJF Meeting](#), Salt Lake City, UT
02/09/05 [Inter-RPO Fire and Smoke Technical and Policy Coordination Meeting](#), Round Rock, TX

2004 Events

12/08/04 [FEJF Meeting](#), Las Vegas, NV
09/08/04 [FEJF Meeting](#), Worley, ID
06/16/04 [308/309 Smoke Management Planning Workshop](#), Portland, OR
06/15/04 [FEJF Meeting](#), Portland, OR
05/04/04 [National Fire Emissions Technical Work Shop](#), New Orleans, LA
03/10/04 [FEJF Meeting](#), San Diego, CA

2003 Events

12/10/03 FEJF Meeting, Tucson, AZ

- Agenda [PDF](#) or [DOC](#)
- Attendee List [PDF](#) or [DOC](#)
- Presentation: Plans for Fire Emissions Inventories (Moore) [PPT](#)
- Presentation: Fire Emissions from 30,000' - Regional Haze Planning Needs and Level(s) of Effort (Moore/Alter) [PPT](#)
- Issue Paper: FEJF De Minimis Task Team [PDF](#) or [DOC](#)

09/24/03 FEJF Meeting, Portland, OR

- Agenda [PDF](#) or [DOC](#)
- Draft Minutes [PDF](#) or [DOC](#)
- Attendee List [PDF](#) or [DOC](#)
- Emission Reduction Techniques for Agricultural Burning and Wildland Fire [PDF](#) or [PPT](#)
(*Draft Annotated Bibliography, Indices, and Summary Table—Kenneth Meardon, MACTEC*)
- Lee Alter's WRAP Update Power Point Presentation [PDF](#) or [PPT](#)
- FEJF Draft 04 Workplan [PDF](#) or [DOC](#)
- Dave Randall's Model Sensitivity Runs Presentation [PDF](#)
- De-minimus outline [PDF](#) or [DOC](#)

06/03/03 [FEJF Meeting](#), San Francisco, CA

03/18/03 [FEJF Meeting](#), Santa Fe, NM

2002 Events

12/10/02 [FEJF Meeting](#), Jackson, WY

Includes Meeting Documents and Presentations from the meeting.

(Updated 12/24/02)

09/18/02 [FEJF Meeting](#), Phoenix, AZ

05/15/02 [FEJF Meeting](#), Coeur d'Alene, ID

04/26/02 FEJF Conference Call [PDF](#)

02/06/02 FEJF Meeting, Tucson, AZ [PDF](#)

[ARCHIVE](#) - 2001 and earlier

Mobile Sources Forum

Purpose:

Initially, in its first couple of years (2000-02), the MSF led the development of a WRAP-wide mobile source emission inventory and worked with the Air Quality Modeling Forum to define and analyze the significance of mobile sources with respect to the requirements of §309 of the regional haze rule. Federal promulgation of emission and fuel standards successfully addressed mobile source emissions for regional haze. The Mobile Sources Forum is now actively engaged in facilitating state and local diesel retrofit programs.

Membership:

Members

Representatives of state agencies with specialties in mobile source and transportation planning, EPA, and other federal agencies involved in transportation, stakeholders from the auto manufacturing and fuel supply industry and environmental organizations.

Significant Work Products:**Major Projects**

- [Offroad Diesel Retrofit Guidance Document](#)
- [Offroad Retrofits](#)
- [Offroad Retrofit Economic Analysis](#)
- [Updating Mobile Source Emissions](#)

Meetings:**2008 Events**

03/19/08 [EPA Region 8 Diesel Retrofit Boot Camp/Grant Funding Workshop](#), Salt Lake City, UT

02/19/08 [Mobile Source Forum Call](#)

2007 Events

06/07/07 [Workshop for Developing And Implementing A State Funded Retrofit Program](#)

05/03/07 [Mobile Sources Forum Call](#)

03/22/07 Mobile Sources Forum Call

01/30/07 [Mobile Sources Forum Call](#)

2006 Events

10/03/06 [WRAP Diesel Retrofit Boot Camp](#), Las Vegas, NV

2005 Events

01/27/05 [WRAP Member Offroad Retrofit Program Workshop](#), San Diego, CA

2003 Events

07/16/03 [Workshop on EPA's Nonroad Proposal](#), Denver, CO

2002 Events

10/30/02 [Mobile Sources Forum Meeting](#), Denver, CO

10/09/02 MSF/IOC Conference Call

- The Forum was invited participate in the IOC Meeting via speakerphone for the following mobile source agenda item: Discussion of *Preliminary Mobile Source Significance Test Modeling Results* [PPT](#) (Revised IOC Mobile Source Power Point presentation)

04/15/02 [Mobile Sources Forum Meeting](#), Denver, CO

2001 Events

07/25/01 Mobile Sources Forum Meeting Agenda [DOC](#)

2000 Events

06/07/00 Mobile Sources Forum Meeting Minutes [PDF](#)

Sources In and Near Class I Areas Forum

Purpose:

To help implement those recommendations by working with parks and local communities to develop and implement strategies to minimize emissions and the resulting visibility impacts.

Membership:**Members**

Representatives from state and federal land management agencies, stakeholders from hearth products industries and environmental interests

Significant Work Products:**Major Projects**

- [Evaluation of PM10 SIPs](#)
- [In-Park Emissions](#)
- [Near Emissions](#)
- [Gateway Community Demo Project](#)

Meetings:**2002 Events**

[\(12/10/02\) Sources In and Near Class I Areas Forum Meeting](#), Novato, CA

The Forum will review and finalize the workplan that its contractor ([ENVIRON](#)) will follow in characterizing emissions near Class I areas throughout the WRAP region. The meeting will be held from 12-3 at ENVIRON's offices in Novato, CA. (Posted 11/21/02)

[Sources In and Near Class I Areas Forum](#)

[1999 Meeting Minutes](#) (zip file)

Stationary Sources Joint Forum

Purpose:

The Stationary Sources Joint Forum (SSJF) was established in January 2004 and replaces the [Market Trading Forum](#) (MTF). See comments below. The SSJF is focused more broadly on stationary source issues throughout the WRAP and their relationship to Section 308 SIP requirements. Stationary source issues addressed include BART, reasonable progress goals, oil and gas emissions and control technologies for electricity generating units.

Membership:**Members**

Representatives of state and tribal air agencies, EPA and federal land managers, with stakeholders from industrial, electric utility and environmental interests.

Significant Work Products:**Major Projects**

- [Oil/Gas Area Source Emissions/Controls](#)
- [EGU NOx Controls](#)
- [Stationary/Area Source Data Pivot Tables](#)
- [Stationary/Area Source Emission Projections](#)
- [General BART Information](#)
- [Identifying BART-Eligible Sources](#)
- [EPA's IAQR](#)

Meetings:**2006 Events**

11/14/06 [SSJF Meeting](#), Tempe, AZ
 08/16/06 [SSJF Meeting](#), Salt Lake City, UT
 05/30/06 [SSJF/309 Workgroup Call](#) on SO2 [PDF](#) or [DOC](#)
 05/10/06 Oil and Gas Workgroup Call [PDF](#) or [DOC](#)
 05/05/06 AMC Conference Call Notes [PDF](#) or [DOC](#)
 02/01/06 [SSJF Meeting](#), Denver, CO

2005 Events

09/07/05 [SSJF Meeting](#), Denver, CO
 05/10/05 [SSJF Meeting](#), Palm Springs, CA
 02/23/05 [SSJF Meeting](#), Salt Lake City, UT

2004 Events

12/13/04 [SSJF Meeting](#), Tempe, AZ

- Update on Identifying BART-eligible sources [PDF](#) [ZIP](#)
- Tribal Point Source Project [PDF](#) or [PPT](#)

2003 SO2 Emissions and Milestone Report [PDF](#) or [PPT](#)

- Attribution of Haze Project Update [PDF](#) or [PPT](#)

06/02/04 SSJF Meeting, Denver, CO

- Agenda [PDF](#) or [DOC](#)
- Minutes [PDF](#) or [WPD](#)
- Summary of Action Items and Future Work (Pat Cummins) [PDF](#) or [DOC](#)
- Identification of BART-eligible sources (project update) [PDF](#) or [PPT](#)
- EPA's summary of BART reproposal [PDF](#) or [PPT](#)
- Status of WRAP comments on BART reproposal (update) [PDF](#) or [PPT](#)
- EPA's analysis of EGU NOx controls in the West [PDF](#) or [PPT](#) and [XLS](#)
- EPA's analysis of the CAIR's impact on SO2 emissions in the 309 states [PDF](#) or [PPT](#)
- Lee Alter's summary of EGU NOx emissions [XLS](#)
- Overview of oil and gas development emissions and haze issues [PDF](#) or [PPT](#)
- Attribution of haze (project update) [PDF](#) or [PPT](#)

04/13/04 SSJF Conference Call Notes [PDF](#) or [DOC](#)

02/18/04 Stationary Sources Joint Forum Meeting, Denver, CO

- Agenda [PDF](#) or [DOC](#)
- Minutes [PDF](#) or [WPD](#)
- BART Overview [PDF](#) or [PPT](#)
- WRAP Technical Approach [PDF](#) or [PPT](#)
- EPA Update on BART, IAQR, and Hg [PDF](#) or [PPT](#)
- Issues related to expanding EPA's proposed Interstate Air Quality Rule (IAQR) to cover regional haze in the West [PDF](#) or [DOC](#)

Archived

NOTE: The Market Trading Forum was originally organized to develop SO₂ milestones and a backstop trading program for major point sources under 40CFR 51.309 to implement recommendations of the Grand Canyon Visibility Transport Commission. In 2004, after the 309 SIPs were submitted the MTF was re-organized and established new goals to develop BART, Reasonable Progress Goals, Long-term strategies for point sources under 40CFR 51.308

[Market Trading Forum](#) (Archive Status as of 1/2004 – activities related to § 309)

Technical Analysis Forum

Purpose:

The Technical Analysis Forum was formed in December 2006 by the [Technical Oversight Committee](#). The TAF will coordinate and manage the processing, display, delivery, and explanation of technical data for regional haze planning activities. The TAF will assume responsibility for combining the participants and maintaining the activities and ongoing projects of the [Ambient Air Monitoring & Reporting Forum](#), the [Air Quality Modeling Forum](#), and the [Attribution of Haze Workgroup](#). See comments below

Membership:

Members

A large membership of several representatives from each WRAP state, several tribes, EPA regions, federal land management agencies with technical expertise in emissions, monitoring and modeling. Stakeholder representation is from industry and environmental interests.

Significant Work Products:

Major Projects

- [Technical Support System Website](#)
 - *Technical Support System Project Page*
- [Regional Modeling Center](#)
- [VIEWS Website](#)
- [Causes of Haze Website](#)

Meetings:**2009 Events**

- 03/02/09 [Technical Analysis Forum Call](#)
- 02/24/09 [Technical Analysis Forum Call](#)
- 01/14/09 [Technical Analysis Forum PRP18b SoW Call](#)

2008 Events

- 10/21/08 [Technical Analysis Forum PRP18b SoW Call](#)
- 10/14/08 [Technical Analysis Forum Call](#)
- 09/11/08 [TAF Technical Workshops' Findings Report Review Call](#)
- 09/03/08 [Technical Analysis Forum Call](#)
- 08/12/08 [Technical Analysis Forum Call](#)
- 07/08/08 [Technical Analysis Forum Call](#)
- 06/06/08 [Technical Analysis Forum Call](#)
- 05/12/08 [NASA ROSES TSS-CMAQ Project Kickoff Meeting](#)
- 04/22/08 [Revised O3 NAAQS - Effects in the West Call](#)
- 04/01/08 [Technical Analysis Forum Call](#)
- 03/03/08 [Technical Analysis Forum Call](#)

2007 Events

- 12/17/07 [Technical Analysis Forum Call](#)
- 12/10/07 [Natural Conditions Report Review Call](#)
- 11/15/07 [Technical Analysis Forum Call](#)
- 10/11/07 [Technical Analysis Forum Meeting](#), San Francisco, CA
- 08/20/07 [Technical Analysis Forum Call](#)
- 07/16/07 [Technical Analysis Forum Call](#)
- 06/13/07 [Technical Analysis Forum Call](#)
- 05/22/07 [Technical Analysis Forum Meeting](#), Boise, ID
- 04/16/07 [Technical Analysis Forum Call](#)
- 03/19/07 [Technical Analysis Forum Call](#)
- 02/26/07 [Technical Analysis Forum Call](#)
- 02/06/07 [Technical Analysis Forum Meeting](#), Las Vegas, NV
- 01/08/07 [Technical Analysis Forum Call](#)

Archived

NOTE: The following forums and workgroups were merged in 2006 into the Technical Analysis Forum

[Air Monitoring and Reporting Forum](#) (Archive Status as of 12/06)

[Air Quality Modeling Forum](#) (Archive Status as of 12/06)

[Attribution of Haze Work Group](#) (Archive Status as of 12/06)

Tribal Data Development Work Group

Also Tribal Caucus

Purpose:

To assist and advise WRAP on gathering tribal air quality data and other air quality issues related to the WRAP mission from Tribes in the WRAP area. The TDD-WG will work with the other WRAP forum and non-tribal communities to improve understanding communities of protocols and processes for obtaining and using tribal data.

Membership:

Members

Members or employees of federally recognized tribes in the WRAP area that will be impacted by WRAP decisions.

Significant Work Products:

- 2002 and 2018 Point Source and Oil & Gas Area Source Inventory for Tribes
- TEISS (Tribal Emission Inventory Software Solution)
 - Description [PDF](#)
 - Software Development Plan [PDF](#)
 - Appendix C: Emission Estimation Methods [PDF](#)
 - Appendices D-G [PDF](#)

Meetings:

2007 Events

08/28/07 [Tribal Caucus Meeting](#), Denver, CO
07/17/07 [TDDWG Meeting](#), Worley, ID
04/16/07 [TDDWG Meeting](#), San Diego, CA
01/23/07 [TDDWG Meeting](#), Palm Springs, CA

2006 Events

11/28/06 [WRAP Tribal Technical & Policy Workshop](#), Albuquerque, NM
10/12/06 [TDDWG Meeting](#), Scottsdale/Fountain Hills, AZ (Fort McDowell Yavapai Nation)
09/11/06 [Tribal Caucus Meeting](#), Whitefish, MT
07/26/06 [TDDWG Meeting](#), Lewiston, ID
05/01/06 [NTEC Conference](#), Temecula, CA
04/10/06 [Advanced EI/TEISS Technical Assistance Training](#), Seattle, WA
03/28/06 [TEISS Training](#), Las Vegas, NV
03/14/06 [TDDWG & Inter-RPO Tribal WG Joint Meeting](#) Albuquerque, NM
02/21/06 [TEISS Training](#), Las Vegas, NV

2005 Events

12/12/05 [Tribal Caucus Meeting](#), Palm Springs, CA
12/07/06 [TDDWG Meeting](#), Santa Fe, NM
11/01/05 [Advanced EI/TEISS Technical Assistance Training](#), Phoenix, AZ
08/17/05 [TDDWG Meeting](#), Polson, MT

05/16/05 [Tribal Caucus Meeting](#), Phoenix, AZ
05/03/05 [NTEC Conference](#), Greenbay, WI
01/19/05 [TDDWG Meeting](#), Lake Tahoe, NV

2004 Events

11/09/04 [Tribal Caucus Meeting](#) Salt Lake City, UT
10/19/04 [TDDWG Meeting](#), Boise, ID
10/12/04 [Tribal Caucus Call](#)
10/05/04 [National Tribal Air Association's 3rd Annual Conference](#)
09/07/04 [TDDWG Conference Call](#)
08/10/04 [Tribal Caucus Call](#)
06/29/04 [TDDWG Meeting](#), Tempe, AZ
04/05/04 [Tribal Caucus Meeting](#), Tempe, AZ
03/02/04 [National Tribal Forum Series on Air Quality](#), San Diego, CA
02/09/04 [TDDWG Meeting](#), Las Vegas, NV

2003 Events

11/13/03 [TDDWG Meeting](#), Las Vegas, NV
10/13/03 [Alaska Tribal Conference on Environmental Management](#), Anchorage, AK
10/13/03 [Tribal Caucus Meeting](#), Salt Lake City, UT
09/16/03 [WRAP Tribal Policy and Technical Workshop](#), Albuquerque, NM
08/06/03 [TDDWG Meeting](#), Seattle, WA
04/28/03 [TDDWG Meeting](#), Sacaton, AZ
04/01/03 [Tribal Air Caucus Meeting](#), Portland, OR

2002 Events

05/22/02 [Tribal Caucus Meeting](#), Salt Lake City, UT
04/08-09/02 [TDDWG Meeting](#), RMC, Riverside, CA
01/08-09/02 [TDDWG Meeting](#), Phoenix, AZ

2001 Events

09/26/01 [Meeting Minutes](#)
01/24/01 [Meeting Minutes](#)
05/31/01 [Meeting Minutes](#)
09/13/01 [TDDWG Meeting](#), Albuquerque, NM
01/24/01 TDDWG Meeting, Las Vegas, NV, [PDF](#) or [DOC](#)

2000 Events

01/13/00 [TDDWG Meeting](#), Phoenix, AZ

1999 Events

06/17/99 [TDDWG Meeting](#)
[Additional TDDWG Meeting Minutes for 1999](#) (zip file)

(This page serves as a placeholder for two-sided copying)