



Western Regional Air Partnership 2008-09 Work Plan

June 17, 2008

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EXECUTIVE SUMMARY

The Western Regional Air Partnership (WRAP) is working on behalf of its members to facilitate and assist with the completion of the regional haze implementation plans across the West during 2008-09. Through projects directed by WRAP Forums, Committees, and staff, regional technical analysis activities for haze planning were completed during 2007, as discussed in Section III of this workplan. WRAP region state air pollution control agencies and the U.S. Environmental Protection Agency (EPA) are currently completing the specific Best Available Retrofit Technology (BART) program requirements added by EPA to the Regional Haze Rule (RHR) in 2005. The individual sources “subject-to-BART” require state or EPA permits to apply retrofit controls and reduce emissions during the first planning period of the RHR, before 2018. With individual BART sources’ controls not complete, in mid-2007, WRAP completed the “2018 Preliminary Reasonable Progress” scenario, a comprehensive analysis of emissions, air quality modeling, and visibility projections for regional haze planning, based on adopted control programs and rules in effect by 2018, including a limited assessment of SO₂ BART controls.

The remaining regional emissions and modeling assessments to finalize reasonable progress goals in the regional haze plans for the 118 Class I areas in the WRAP region cannot be completed until BART emissions limits for all subject sources are determined. The implementation of the Regional Haze Rule in the WRAP region, through tracking and analysis of visibility monitoring and emissions data is continuing as the states and EPA complete BART requirements. Sources addressed under the RHR §309 program elements under have been underway since 2003, when the §309 plans were first submitted to EPA. These tracking tools and data systems have been used to update §309 SIPs for re-submittal in 2008, and have been expanded to support §308 regional haze plans as well.

Deliverables

In this 2008-09 workplan, the WRAP plans the following deliverables:

Regional Haze Plan Completion

- Staff support to assist individual states in developing preliminary reasonable progress goals to enable haze plans to be submitted to EPA for review;
- Staff and contractor support to provide individual states regional technical data and documentation to support their haze plans;
- Staff support to exchange information about BART control analyses; and
- Staff support for states, EPA, and Federal Land Managers (FLMs) through coordination of haze plan elements to assure completeness of individual plans and relative consistency across the WRAP region.

Ongoing Regional Haze Rule Long-term Implementation (preparing for 2012 RHR SIP check)

- Contractor support to maintain the WRAP Technical Support System (TSS) for haze SIP review, approval, and implementation tracking;
- Contractor support to track and analyze emissions in the WRAP Emissions Data Management System (EDMS) and the Fire Emissions Tracking System (FETS);
- Staff administration of contractor support to track and analyze IMPROVE regional haze monitoring data through the national Visibility Information Exchange Web System (VIEWS), on behalf of all five RPOs for haze plans across the nation;
- Contractor support for the §309 SO₂ Milestone Program tracking, ongoing since 2003;
- The 2018 regional “Final Reasonable Progress” analysis scenario of emissions, air quality modeling, and visibility projection results will be completed when BART emissions reductions are known, through the WRAP Regional Modeling Center contract; and
- Contractor analysis support to address questions from EPA as haze SIPs are submitted and reviewed.

These deliverables are presented as projects described in Section IV of this workplan.

I. INTRODUCTION

This work plan was developed by the WRAP Planning Team (Oversight Committees and Forum Co-Chairs) and summarizes ongoing activities and expenditures of the Western Regional Air Partnership (WRAP), including current projects and those planned for 2008 and 2009. This work is funded through existing U.S. Environmental Protection Agency (EPA) grants and the Federal Fiscal Year 2008 (FFY08) grant now available from EPA. The total amount of EPA's FFY08 funding for the WRAP's regional haze work is \$872,000. Of this amount, \$752,000 will be awarded to WGA and \$120,000 will be awarded to NTEC. This document will be submitted to EPA in support of WGA's grant application. The NTEC workplan is a separate document that will be submitted to EPA by NTEC.

As shown in Table 1, as of March 2008, \$1,328,677 remains in WGA's existing WRAP grant. Total grant monies for WRAP from EPA declined from a total of about \$5,000,000 for use in 2005 and 2006 to a total of about \$1,000,000 for use in 2007 and 2008. The FFY08 grant for use in 2009 from EPA continues at the level of each of the two previous years. WRAP support of the review, approval, and ongoing implementation of haze plans on behalf of WRAP members will cause the existing grant balance to continue to decline at a rapid pace, even with very careful management of the available resources. Table 2 lists projects remaining from the 2007-08 workplan. Table 3 identifies the current projects and their funding from both existing and FFY08 grant funds.

For this work plan, NTEC and WGA staff worked together to develop the budget for the WRAP organization to provide funding for staff, travel support, and project management through September 2009. Effective July 1, 2006 NTEC assumed administrative responsibility for contracts related to the work of the Tribal Data Work Group and for reimbursement of tribal travel and meeting expenses.

In developing this work plan, the WRAP Planning Team recognized that the FFY08 grant funds covered by this work plan will be the funds NTEC and WGA receive to assist in the transition from completing the development of the individual regional haze plans, through their review and approval by EPA, and for the parallel implementation of regional haze plan commitments. The individual regional haze implementation plans rely upon the WRAP's regional technical work, and the data and decision support systems underpinning the long-term effort to track progress and analysis additional measures to reduce regional haze.

The WRAP Board of Directors adopted the [WRAP 2008-12 Strategic Plan](#) in February 2008 to address the implementation of the Regional Haze SIPs and one-atmosphere analysis in the West for the next 5 years. The support needed for the completion of the foundational haze plans in 2008, review and approval by EPA, ongoing implementation, and tracking for 2012 haze plan updates were considered in this work plan. WRAP forums and committees were asked to consider projects for this workplan that are essential to the needs of regional haze implementation plans, focused on technical support elements that must be maintained after 2007.

It is important to note that the WRAP's planning process must accommodate a unique landscape of environmental, social, economic, and political issues. The WRAP region includes 118 (or 75 percent) of the nation's 156 mandatory federal Class I areas, half the land mass of the United States (not including Alaska), a very large portion of publicly-owned lands, and numerous tribal jurisdictions (many with large land areas). It also emits a minority of total U.S. emissions, borders both Canada and Mexico, and receives pollution from Asia. Class I areas are also greatly influenced by "natural" emissions, such as those from wildfires and windblown dust.

The WRAP region is also experiencing rapid population growth and other challenges to preventing deterioration of air quality, such as drought. This presents a unique and challenging environment for long-term planning which is best addressed through a single, well-funded and well-organized institution

at the appropriate political level. The WRAP, with appropriate financial support from EPA, provides such an institution, especially given its management structure shared between the Western Governors' Association and the National Tribal Environmental Council. The WRAP's long-term regional analysis and planning process must deal with relevant events beyond its control, such as federal initiatives and changes to environmental management priorities. One way the WRAP contends with these events is to have sufficient staffing to track the issues and to foster a constructive dialogue among its members.

Table 1 – WRAP Financial Status Report (March 31, 2008)

WGA	Current Balance	Current Budget	Spent as of March 31, 2008	FFY08 Grant
Travel Reimbursements	159,363	1,167,278	1,007,915	
Conference Calls	19,391	166,782	147,391	
Meeting Expenses	75,712	423,918	348,206	
Direct Salaries and Benefits	263,262	2,117,484	1,854,222	
Overhead & Other Expenses	143,797	1,242,977	1,099,180	
Subtotal	661,525	5,118,439	4,456,914	150,000
Contractor Assistance - Projects	667,153	13,988,467	13,321,315	602,000
Total	1,328,677	19,106,906	17,778,229	752,000

Table 2: Remaining Projects for 2008 left from 2007-08 workplan (March 31, 2008)

AIR MANAGERS COMMITTEE	
Technical Support during SIP Review and Approval Process	128,413
TECHNICAL ANALYSIS FORUM	
TSS and Fire Tracking – 2008	70,575
COMMUNICATIONS COMMITTEE	
Web Site Maintenance	25,000
Subtotal for Pending Projects	223,988

Table 3: Projects for 2008 and 2009

	EPA Grants Already Awarded		FFY08 Grant For 2009	Total Funds through 2009
	Project Remainder as of March 31, 2008	Funds from Remaining Projects (Table 2)		
STATIONARY SOURCES				
No contractor projects requiring funding				
FIRE				
Update to Fire EIs for modeling and analysis to support haze plan implementation (\$28,413 from AMC "Technical Support during SIP Review and Approval Process" line in Table 2)		28,413	17,000	45,413
EMISSIONS				
2008-09 EDMS Hosting / Operation (ARS)	82,490		75,000	157,490
Mobile EI update to new base years to support haze plan review			67,000	67,000
DUST				
No contractor projects requiring funding				

MOBILE SOURCES				
Non-Road Demonstration Projects – (Emissions Advantage)	13,414			13,414
TECHNICAL ANALYSIS				
TAF1 - Technical Support System management/training/tools (ARS/ENVIRON) - (\$50,000 from TAF “TSS and Fire Tracking – 2008” line in Table 2)	8,037	50,000	75,000	133,037
TAF2 – Technical Support System (TSS) plus Fire Emissions Tracking System (FETS) operations (CIRA/Air Sciences) - (\$20,575 from TAF “TSS and Fire Tracking – 2008” line in Table 2)	156,832	20,575	55,000	232,407
TAF 3 - RMC Modeling Support for 308 and 309 SIPs (UCR/ENVIRON/CEP)	106,152		152,000	258,152
Visibility Information Exchange Web System (VIEWS) - ongoing national regional haze monitoring and data analysis project (CIRA) – (5 RPOs contribute \$30,000 each, administered by WRAP)			150,000	150,000
AIR MANAGERS COMMITTEE				
AMC1 - Technical Support during SIP Review and Approval Process -- (\$100,000 from AMC “Technical Support during SIP Review and Approval Process” line in Table 2)		100,000		100,000
AMC2 - 309 Milestone Reports (Perrin Quarles) CY07 & 08	8,493		8,000	16,493
AMC3 - State Caucus Staff Support (WESTAR – Don Arkell through 2008)	58,562			58,562
COMMUNICATIONS COMMITTEE				
Web Site Maintenance (B. Bissey)	9,185	25,000	3,000	37,185
Subtotal for 2008 and 2009 Projects – WGA	443,165	223,988	602,000	1,269,153

II. Background

The 1990 Amendments to the Clean Air Act established the GCVTC, which in June 1996 completed its original mission to recommend strategies for improving visibility in the Grand Canyon and other Class I areas on the Colorado Plateau. Recognizing the need for a process to monitor and coordinate the implementation of its final recommendations, the GCVTC members created the WRAP. The WRAP includes participants from industry, environmental groups, and other affected parties and operates in conjunction with regional organizations such as WESTAR, the Western Governors' Association, and the National Tribal Environmental Council. The work products of the WRAP are used by states and tribes in the preparation and ongoing tracking of their individual implementation plans to meet the requirements of the federal regional haze rule promulgated by the EPA in 1999.

While the initial focus of the WRAP was to implement the recommendations of the GCVTC in conjunction with federal visibility rules, the requirements of these rules also highlighted the need to implement other regional planning processes to improve visibility in all western Class I areas. In March 1999, the WRAP expanded its charter to address all regional air quality issues. With the Board's adoption of the 2008-12 Strategic Plan, WRAP will address implementation of the regional haze plans.

A. Tribal Options for Implementation Plan Development

Under the regulatory framework provided by the Tribal Authority Rule (TAR) (40 CFR 49.1– 49.11) and the regional haze rule, tribal implementation of visibility programs through Tribal Implementation Plans (TIPs) is optional. The TAR authorizes but does not require tribes to receive delegation of authority to implement any program, or “reasonably severable elements” of a program, under the Clean Air Act. The preamble to the regional haze rule explains that “a tribal visibility program is not dependent on strategies

selected by the State or States in which the tribe is located.” (64 Fed. Reg. 35714, 35756, July 1, 1999). The net result is that any tribe in the GCVTC transport region may implement §308 or §309 in whole or in part.

The policy and technical work of the WRAP to assist states is designed to simultaneously assist tribes in the same way. Tribal concerns are being addressed at every level within the WRAP. Tribal and state implementation plan needs may be different. As these differences are identified, project tasks and work plans are updated to reflect the improved understanding of tribal needs.

To ensure that tribal needs are addressed, the active participation of tribal representatives on all forums has been and will continue to be sought and encouraged. The National Tribal Environmental Council (NTEC) is responsible for coordinating tribal participation in the WRAP and receives funds from EPA for this purpose. Since some tribes do not have the resources or expertise to participate in the WRAP, NTEC provides tribes with analyses and synopses of issues emanating from the WRAP forums and work groups and from sources outside the WRAP. NTEC also facilitates consensus building within the WRAP tribal caucus. The Institute for Tribal Environmental Professionals (ITEP) at Northern Arizona University also provides assistance and staff through the Tribal Data Development Working Group to address a key tribal need – the acquisition of data necessary to make informed policy decisions.

Finally, it should be noted that the WRAP organizational structure provides several checkpoints for tribal input. First and foremost, the WRAP has established equal representation for tribes and states within its management structure, including a tribal Co-Chair of the WRAP. Key positions are also reserved for tribal representatives on all standing committees, forums, and work groups. Public workshops for WRAP work products and travel support from the WRAP ensure that the broader tribal community has an opportunity to participate in the WRAP process.

B. WRAP Organization and Structure

In September 1997 the WRAP was formed with a membership including states and tribes both within and outside the GCVTC region. The WRAP established oversight committees and forums charged with developing work plans to implement the GCVTC recommendations and to facilitate development of implementation plans under the RHR.

1. Membership

The WRAP membership currently includes the Governor or his/her designee from 14 states and 12 tribes, two U.S. Cabinet Secretaries and the Administrator of the EPA or their designees:

<u>States</u>	<u>Tribes</u>	<u>Federal Agencies</u>
Alaska	Campo Band of Kumeyaay Indians	Department of the Interior
Arizona	Cortina Indian Rancheria	Department of Agriculture
California	Hopi Tribe	EPA
Colorado	Hualapai Nation of the Grand Canyon	
Hawaii	Shoshone-Bannock Tribes of Fort Hall	
Idaho	Native Village of Ouzinkie	
Montana	Nez Perce Tribe	
New Mexico	Northern Cheyenne Tribe	

North Dakota	Pueblo of Acoma
Oregon	Pueblo of San Felipe
South Dakota	Confederated Tribes of Salish and Kootenai
Utah	Pueblo of Zuni
Washington	
Wyoming	

2. Charter and Bylaws

The WRAP Charter and Bylaws set forth the organizations goals, principles, and operating procedures and are posted on the WRAP website at <http://www.wrapair.org/about/index.html>.

3. WRAP Organization

The WRAP is composed of several forums, committees, and work groups. All these groups include participation from the WRAP membership (states, tribes, and federal agencies) and interested stakeholders (industry, environmental groups, local governments, academia, etc.).

Committee and forum members are expected to represent and communicate with their agencies and constituents. Forum and committee members are responsible for establishing mechanisms that will ensure this communication occurs. These mechanisms may involve working through trade groups, state and tribal organizations such as the Western States Air Resource Council (WESTAR Council), the National Tribal Environmental Council (NTEC), and intra- and inter-agency forums.

C. Project Management

Members of committees and forums perform much of the work of the WRAP. The oversight committees monitor forum and work group activities to ensure that work products are developed in a timely manner and that stakeholder participation remains representative, balanced, and fair. Contractors hired with EPA grant funds are relied upon to expand the resources of the WRAP. Committees and forums direct the work of contractors.

Support services to the WRAP come from the National Tribal Environmental Council (NTEC) and the Western Governors’ Association (WGA). The Communications Committee has developed a Communications Manual for the WRAP’s internal and external communications and assists committees and forums with outreach strategies for specific products and activities.

WGA and NTEC staff provide overall project management for the WRAP, including preparing and managing grant applications, funds, requests for proposals (RFPs), contracts, travel reimbursements, meetings, conference calls, public and media inquiries, press releases, Web sites, requests to participate in the WRAP, and report publications. Staff assistance includes providing a “sounding board” for stakeholders having concerns with the WRAP processes and relating concerns to forum co-chairs, oversight committees, committee co-chairs, facilitators, and the WRAP co-chairs.

WGA and NTEC staff routinely attends the meetings of the various committees and forums. WGA and NTEC jointly or separately perform tasks related to WRAP and serve as primary contact points by responding to media and public inquiries.

Under a separate EPA grant, NTEC assists tribal participation in the WRAP by arranging and facilitating Tribal Caucus meetings; providing coordination among tribal representatives of various committees and

forums; performing legal, policy and technical analyses on various WRAP issues; and securing contractor assistance for additional policy and technical analysis. This includes providing staff support to the Tribal Caucus within the WRAP.

Staff positions include the WRAP Co-Directors (WGA and NTEC) who oversee other staff, share general management responsibilities, work with stakeholders to ensure the WRAP's processes are fair and equitable, and serve as the primary points of contact for EPA, the media, and the general public. There are state and tribal caucus coordinators hired with WRAP funds through WESTAR and NTEC, respectively.

WGA also employs an air quality program manager and an air quality project manager to support the oversight committees, forums, and work groups. NTEC employs a policy analyst to address the unique circumstances of tribes with respect to the Clean Air Act and other related issues.

D. Contract Management

WRAP staff at NTEC and WGA work with the forums to manage WRAP contracts. WGA and NTEC, as the recipients of EPA grants, are responsible for executing and administering contracts and ensuring that work products are completed. These responsibilities are met with input from forums and work groups. Forums and work groups may create balanced subgroups for purposes of contract management.

It is the responsibility of the forums and work groups and their respective oversight committees to develop the scope of work for each contract. All contracts are to be developed in accordance with the work plans approved by the WRAP and submitted to EPA. Once the scope of work has been properly developed, it is transmitted to WGA or NTEC who are responsible for developing an RFP or sole source justification. All RFPs are sent to known contractors, posted on the WRAP Web site, and published in the Federal Business Opportunities publication as appropriate. Bidders are provided 30 days to respond.

III. CALENDAR YEAR 2007 WRAP ACTIVITIES SUMMARY

Significant technical analysis and planning support for the preparation of individual regional haze SIPs was accomplished during 2007. Training on WRAP web-based data and decision support systems was completed, and dissemination of regional analysis results for haze planning were completed, as summarized in the list below. The Technical Oversight Committee reviewed and approved the consolidation of the Modeling Forum, the Ambient Monitoring & Reporting Forum, and the Attribution of Haze Workgroup into the Technical Analysis Forum. The TAF is responsible for modeling, monitoring, and data analysis activities, as well as the operations and functions of the WRAP web-based data and decision support systems for long-term regional haze plan implementation – the Technical Support System (TSS), the Fire Emissions Tracking System (FETS), and the WRAP portion of the national Visibility Information Exchange Web System (VIEWS).

The Dust Emissions Joint Forum, the Fire Emissions Joint Forum, and the Stationary Sources Joint Forum have completed their projects. These Forums are currently in a dormant mode, with some exceptions as noted next. The FEJF initiated the FETS project, which will be managed by the TAF with periodic review by the FEJF. States and EPA are completing BART analyses and permits, the remaining activity to complete the regional haze plans – the SSJF is not actively involved in this process. WRAP staff are actively tracking the progress in preparing the regional haze SIPs and completing BART. The SSJF's Oil and Gas Workgroup will be tracking, reviewing and commenting on the Independent Petroleum Association of the Mountain States' effort to collaborate with the WRAP to develop the [Phase III](#) oil and gas emissions inventory during 2008-09.

January – March

- 2018 Preliminary Reasonable Progress (PRP18) emissions inventory updates developed with state-by-state review (<http://www.wrapair.org/forums/ssjf/pivot.html>)
- Fire Emissions Tracking System (FETS) project started (<http://www.wrapfets.org/>)
- Technical Support System (TSS) updates (<http://vista.cira.colostate.edu/tss/>)
- Emissions Data Management System (EDMS) Critical Functionality Report (http://www.wrapair.org/forums/ef/EDMSop/EDMS_CritFuncReportFinal.pdf)
- State BART Workgroup started

January 23-24 - [Tribal Data Development Work Group Meeting](#)

February 6-7 - [Technical Analysis Forum Meeting](#)

February 22-23 - [Fire Emissions Joint Forum Meeting](#)

March 6 - [WRAP Tribal Caucus Meeting](#)

March 7-8 - [WRAP Board meeting](#)

April – June

- PRP18 regional modeling analysis completed and reported at June TSS workshop – estimates visibility improvement from §308 SO2 BART, §309 SO2 Milestone Program and all other controls “on-the-books” for regional haze planning (<http://www.wrapair.org/forums/ssjf/pivot.html>)
- Final 2002 Planning emissions inventory (Plan02d) developed with state-by-state review (<http://www.wrapair.org/forums/ssjf/pivot.html>)
- CalPuff “Subject-to-BART” modeling completed for sources in 7 WRAP region state by RMC (<http://pah.cert.ucr.edu/aqm/308/bart.shtml>)
- FETS alpha version on-line – training at TSS workshop (<http://www.wrapfets.org/>)
- Technical Support System (TSS) updates and roll-out workshop/training (<http://www.wrapair.org/forums/toc/meetings/070619-TSS/index.html>)

April 16-17 - [Tribal Data Development Working Group Meeting](#)

April 17-18 - [Implementation WG Meeting](#)

May 22-23 - [Technical Analysis Forum Meeting](#)

June 7 - [Mobile Sources Forum - Workshop for Developing And Implementing A State Funded Retrofit Program](#)

June 19 - [TEISS Training](#)

June 19-20 - [TSS Orientation & Review Workshop](#)

July – September

- Final 2002 Planning (Plan02d) regional modeling analysis completed and reported on TSS (<http://www.wrapair.org/forums/ssjf/pivot.html> and <http://vista.cira.colostate.edu/tss/>)
- FETS operational & on-line – training at FEJF meeting (<http://www.wrapfets.org/>)
- Technical Support System (TSS) updates (<http://vista.cira.colostate.edu/tss/>)
- Comprehensive review and discussion of emissions inventories at September workshop (<http://www.wrapair.org/forums/toc/meetings/070925m/index.html>)
- Begin state-by-state assistance to set preliminary Reasonable Progress Goals for individual Class I areas

July 17-18 - [Tribal Data Development Work Group Meeting](#)

August 28 - [Tribal Caucus Meeting](#)

August 28-29 - [Air Managers Committee Meeting](#)

August 29-30 - [Implementation Workgroup Meeting](#)

September 25-26 - [Regional Haze Emissions Inventories – Lessons Learned Meeting](#)

September 26-27 [Fire Emissions Joint Forum Meeting](#)

October – December

- Final TSS updates completed for preliminary regional haze planning until BART completed by all states/EPA (<http://vista.cira.colostate.edu/tss/>)
- Continue state-by-state assistance to set preliminary Reasonable Progress Goals for individual Class I areas
- Develop workplan for 2008 IPAMS-WRAP Phase III Oil & Gas emissions inventory project (<http://www.wrapair.org/forums/ssjf/documents/eiccts/oilgas.html>)

October 11-12 - [Technical Analysis Forum Meeting](#)

IV. 2008-09 PROJECT SUMMARIES

Stationary Sources Joint Forum

The Stationary Sources Joint Forum (SSJF) has been in a dormant status through 2007 and 2008, as states and EPA complete their BART control determinations. WRAP staff have prepared and updated a BART Tracking spreadsheet, and hosted conference calls of regulatory agencies developing BART controls.

The Oil and Gas Workgroup of the SSJF will be active during 2008-09, to provide oversight, review and comment on the Phase III emissions inventory project sponsored by the Independent Petroleum Association of the Mountain States (IPAMS).

For the 2008-09 timeframe, no additional SSJF projects are identified in this plan.

Fire Emissions Joint Forum

The Fire Emissions Joint Forum (FEJF) has completed their projects as outlined in their previous workplans. Key products include fire emissions inventories for regional haze planning classified into natural and anthropogenic fire sources, regional coordination guidance to implement the Enhanced Smoke Management Program policy, and a summary of their work completed between 1997 and 2007. The FEJF brought the Fire Emissions Tracking System for the WRAP region (<http://www.wrapfets.org/>) on-line in September 2007 and data providers continue to be added. The FETS is designed to be the data support system for tracking fire for regional haze progress, and will be the primary source of future fire inventories. The FEJF continues to meet periodically by conference call.

With the FETS in place and accumulating data, there is a need to periodically analyze and refine those data for visibility and air quality impact, emissions, and modeling analyses. This project would apply additional quality assurance and evaluation techniques to the reported FETS data.

	EPA Grants Already Awarded		FFY08 Grant For 2009	Total Funds through 2009
	Project Remainder as of March 31, 2008	Funds from Remaining Projects (Table 2)		
FIRE				
Update to Fire EIs for modeling and analysis to support haze plan implementation (\$28,413 from AMC "Technical Support during SIP Review and Approval Process" line in Table 2)		28,413	17,000	45,413

Emissions Forum

The Emissions Forum (EF) intends to focus on its efforts on two projects during the 2008-09 timeframe. The ongoing maintenance and operation of the Emissions Database Management System (EDMS) will continue through 2009. The EDMS is currently acquiring updated data from state and tribal agencies, and several functions have been improved in response to previously identified deficiencies. The EDMS is a data support system integral to completion, review, approval, and ongoing implementation of regional haze plans. The EDMS is used to track emissions reduction obligations identified in the plans (including BART), assess the effectiveness of control strategies, house updates to existing inventories, address new inventory needs for pollutants of regional concern, and track trends.

The operation and maintenance budget includes the annual cost for a contracted database administrator to operate the EDMS, provide data analysis products, user assistance, quality assure new data, update database versions, resolve data overlaps between state and tribal data, and prepare standard reports. In addition, a host site is employed to provide the necessary hardware, including servers, and to ensure data security and archiving. The current contract was competitively awarded to a new firm beginning November 2006 and included a significant effort to assess the status of the EDMS with a Critical Functionality Report in addition to routine operation and maintenance. The cost for O&M is averaging about \$75,000 per year, based on the last 18 months. With EPA developing a new improved National Emissions Inventory format to be implemented for 2008 data, the EF will also consider what functions to retain in the EDMS.

The EF led the development of regionally consistent and comparable mobile source emissions inventories in 2005-06 for regional haze planning. Those inventories need to be updated for regional haze progress tracking and be complete with respect to ozone analysis and planning. The funding of \$67,000 for this project is to address mobile sources for regional haze update purposes.

	EPA Grants Already Awarded		FFY08 Grant For 2009	Total Funds through 2009
	Project Remainder as of March 31, 2008	Funds from Remaining Projects (Table 2)		
EMISSIONS				
2008-09 EDMS Hosting / Operation (ARS)	82,490		75,000	157,490
Mobile EI update to new base years to support haze plan review			67,000	67,000

Dust Emissions Joint Forum

The Dust Emissions Joint Forum (DEJF) has completed several projects in late 2006 and early 2007, including: completion and evaluation of a regional windblown dust inventory, analysis of ambient dust data at Class I areas and its attribution to various sources, quality assurance of dust emissions data provided by jurisdictions across the WRAP region, experimentally-based improvements to PM_{2.5} emission factors for fugitive dust, completion and revisions to the WRAP Fugitive Dust Handbook, development and demonstration of a definition of natural and anthropogenic dust, and development of a template for the dust portion of a regional haze SIP using Salt Creek Class I area in New Mexico as a test case. With the completion of those projects, the DEJF has been in a dormant status through 2007-08.

For the 2008-09 timeframe, no additional DEJF projects are identified in this plan.

Mobile Sources Forum

For the past two years the Mobile Sources Forum (MSF) has used its funds to promote diesel retrofits through workshops and “boot camps” to share information and assist agencies in the WRAP region with development of retrofit programs. MSF products have included written guidance on diesel retrofits, technology updates, summaries and updates of available funding sources, ad hoc support to WRAP members for individual projects and grant proposals, and the series of workshops and boot camps intended to spur the development and enhancement of diesel retrofit projects and programs.

The MSF will use the remaining resources in their Demonstration Projects contract and work with agencies and organizations to share this funding to hold one or two additional workshops. The MSF will continue to convene on a regular basis to share information on diesel retrofit projects, trends, and opportunities.

For the 2008-09 timeframe, no additional MSF projects are identified in this plan.

	EPA Grants Already Awarded		FFY08 Grant For 2009	Total Funds through 2009
	Project Remainder as of March 31, 2008	Funds from Remaining Projects (Table 2)		
MOBILE SOURCES				
Non-Road Demonstration Projects – (Emissions Advantage)	13,414			13,414

Air Quality Modeling Forum

The Modeling Forum membership, project activities, and project web pages were consolidated into the Technical Analysis Forum in early 2007, and the Modeling Forum moved into archive status as of December 2006.

Ambient Monitoring and Reporting Forum

A duplicate copy of the Causes of Haze Assessment project website, its data, and the results from this project were transferred to the TSS website during 2007.

The AMRF membership and project web pages were consolidated into the Technical Analysis Forum in early 2007, and the AMRF moved into archive status as of December 2006.

Attribution of Haze Workgroup

The AoH Workgroup membership, project activities, and project web pages were consolidated into the Technical Analysis Forum in early 2007, and the AoH Workgroup moved into archive status as of December 2006.

Technical Analysis Forum

The Technical Analysis Forum (TAF) was created by the Technical Oversight Committee in late 2006. The TAF has the responsibility to address the topics and projects formerly distributed across the Air Quality Modeling Forum, the Ambient Monitoring and Reporting Forum, and the Attribution of Haze Workgroup. Broadly speaking, the TAF manages the activities associated with monitoring, data analysis,

regional modeling, and the associated data delivery. The TAF provides oversight of WRAP staff management of projects, including the Regional Modeling Center (RMC), the FETS as mentioned in the Fire Emissions Joint Forum section of this workplan, the Visibility Information Exchange Web System (VIEWS), and the Technical Support System (TSS). These technical data and decision support web systems provide the regional analysis and implementation basis of the regional haze plans. As such, the TAF has an extensive membership list, including technical experts in monitoring, analysis, and modeling, and equally important, the regional haze air quality planners from WRAP member agencies.

The TSS is the decision support system for regional haze planning and implementation across the WRAP region. It is fully integrated with the VIEWS and FETS data support systems, and presents emissions and air quality modeling data and results from the RMC. The VIEWS/TSS/FETS project is managed using two separate, parallel contracts described in TAF1 and TAF2. The WRAP staff manages the firms involved in these two contracts as a unified team and coordinates activities to prevent duplication of effort. The team is a highly-qualified group with complementary skills. EPA OAQPS has recognized and endorsed the integrated nature and content of this WRAP project as a good way to manage and deliver regional information for a wide variety of users. The quality and completeness of the existing systems combined with the expertise of the project team offers the WRAP membership opportunities to leverage existing and future EPA funding with funding from other sources to extend the current projects.

TAF1 – The management, training, tool development, and data analysis work for this portion of the project are the primary activities handled under this contract. These members of the overall project team bring their experience from the RMC team, WRAP regional emissions inventory development projects, and the 2004-06 Attribution of Haze project. The funding for this contract is awarded on an as-needed basis with oversight and direction from the TAF. Resources for this contract are critical to assist states and EPA with the review, approval, and ongoing implementation of the haze plans.

TAF2 – Operations, maintenance, and relational database development for FETS and TSS for this portion of the project are the primary activities handled under this contract. These members of the overall project team bring their experience with the effort to develop the national VIEWS data system for all 5 Regional Planning Organizations (RPOs) and the extensive ground-breaking fire emissions work of the FEJF. The funding for this contract is a steady state effort to maintain the information technology and web experts behind these data and decision support systems. Due to staffing changes in 2007, this contract has a balance that is projected to help cover expenses into 2009. Resources for this contract are to maintain and update these systems for the review, approval, and ongoing implementation of the haze plans.

TAF3 – The operation and modeling analysis work of the Regional Modeling Center (RMC) are the activities covered in this project. The RMC is completing seven years of regional modeling development and analysis work for WRAP members. A limited scope effort for 2008-09 is planned. A final regional haze reasonable progress regional modeling analysis is planned, when BART-controlled emission rates across the WRAP region are permitted and published in late 2008 and early 2009. The TAF approved the current RMC scope of work on their December 17, 2007 call. The RMC workplan for 2009 will be developed during 2008, and is expected to include additional sensitivity and source apportionment analyses to support review and approval of the haze plans, as well as to identify sources to assess in the 2012 haze SIP checks.

VIEWS project - WRAP and the other four RPOs are each contributing \$30,000, specifically for VIEWS operations in 2009. WRAP's portion is included in the budget, and WRAP staff will manage that work on behalf of the other RPOs. The VIEWS project utilizes contractor support to track and analyze IMPROVE regional haze monitoring data on behalf of all five RPOs for haze plans across the nation.

	EPA Grants Already Awarded		FFY08 Grant For 2009	Total Funds through 2009
	Project Remainder as of March 31, 2008	Funds from Remaining Projects (Table 2)		
TECHNICAL ANALYSIS				
TAF1 - Technical Support System management/training/tools (ARS/ENVIRON) - (\$50,000 from TAF "TSS and Fire Tracking – 2008" line in Table 2)	8,037	50,000	75,000	133,037
TAF2 – Technical Support System (TSS) plus Fire Emissions Tracking System (FETS) operations (CIRA/Air Sciences) - (\$20,575 from TAF "TSS and Fire Tracking – 2008" line in Table 2)	156,832	20,575	55,000	232,407
TAF 3 - RMC Modeling Support for 308 and 309 SIPs (UCR/ENVIRON/CEP)	106,152		152,000	258,152
Visibility Information Exchange Web System (VIEWS) - ongoing national regional haze monitoring and data analysis project (CIRA) – (5 RPOs contribute \$30,000 each, administered by WRAP)			150,000	150,000

Air Managers Committee

The Air Managers’ Committee provides project review and tracking from the perspective of state and tribal air managers with primary responsibility for the development and tracking of regional haze plans. The AMC is the air quality planning and policy lead for the WRAP organization. The state and tribal caucus coordinators at WESTAR and NTEC will continue to staff and assist the committee. Three funded projects are planned by the AMC.

AMC1 - Technical support during review and approval of the regional haze plans is needed. The exact scope of this work is not yet determined, but EPA will have questions that emerge during their review of the plans, best answered with WRAP analyses. This project will include analysis and preparation of the final 2018 reasonable progress emissions inventory for regional modeling to include BART-controlled point sources, assistance with clarifications and additional analyses related to the 2018 reasonable progress goals established for the 118 Class I areas in the WRAP region, as well as other analyses related to specific emissions inventory questions. Resources in other projects of WRAP Forums will also be leveraged as needed to address EPA questions.

AMC2 – The four §309 states (AZ, NM, UT, WY) have been tracking and verifying emissions for sources in the SO₂ Milestone Program since their SIPs were originally submitted in December 2003. Reports have been completed for 2003, 2004, 2005, and 2006, as well as a SO₂ Milestone Tracking Process Audit report. This project budget covers preparation of the SO₂ Milestone Reports for calendar years 2007 and 2008.

AMC3 - Staff support for the State and Tribal Caucuses is provided by the State and Tribal Caucus Coordinators. These staff members assist the tribal and state air directors with continual tracking and reporting of WRAP activities, issue identification and communication among the WRAP partners, recruitment of WRAP participants from states and tribes, and facilitation of issue resolution. The State Caucus Coordinator position is filled through a contract between WGA and WESTAR. The Tribal Caucus Coordinator is funded through the NTEC budget. Resources for the State Caucus Coordinator are sufficient to last through 2008 and no funding is yet identified for 2009 and beyond.

	EPA Grants Already Awarded		FFY08 Grant For 2009	Total Funds through 2009
	Project Remainder as of March 31, 2008	Funds from Remaining Projects (Table 2)		
AIR MANAGERS COMMITTEE				
AMC1 - Technical Support during SIP Review and Approval Process -- (\$100,000 from AMC "Technical Support during SIP Review and Approval Process" line in Table 2)		100,000		100,000
AMC2 - 309 Milestone Reports (Perrin Quarles) CY07 & 08	8,493		8,000	16,493
AMC3 - State Caucus Staff Support (WESTAR – Don Arkell through 2008)	58,562			58,562

In addition to the three line items in the AMC budget discussed above, the AMC directs the work of the Implementation Work Group (IWG). The IWG is the principle group preparing and coordinating the development of the regional haze plans, for §308, §309, and §309(g). In addition, the IWG maintains ongoing communication with the other forums and oversight committees as needed, prompting timely information from states and tribes, and in turn providing feedback to the forums to ensure they are focused on the critical planning questions.

Communications Committee

Web Site Maintenance

The WRAP’s website is one of its primary communications tools. The budgeted funds will be used by WRAP staff to continue the contract with the WRAP’s webmaster through 2009.

	EPA Grants Already Awarded		FFY08 Grant For 2009	Total Funds through 2009
	Project Remainder as of March 31, 2008	Funds from Remaining Projects (Table 2)		
COMMUNICATIONS COMMITTEE				
Web Site Maintenance (B. Bissey)	9,185	25,000	3,000	37,185