



## Western Regional Air Partnership Action Plan

April 10, 2015

The Western Regional Air Partnership (WRAP) is a [voluntary partnership](#) of states, tribes, federal land managers, local air agencies and the US EPA whose purpose is to understand current and evolving regional air quality issues in the West. Periodically, the WRAP membership develops an Action Plan that identifies the most important near-term priorities and ongoing activities that collectively comprise the WRAP Action Plan. This Action Plan sets forth the priority activities that will be undertaken by the WRAP in the coming years to achieve the goals articulated in the WRAP Strategic Plan.

This Action Plan is comprised of 4 sections:

- 2015-16 Priorities
- Priority Tasks and Activities
- Financial Report (*Budget to be added*) and Project Funding and Workload
- WRAP 2014 Planning Reference Materials (*to be added*)
  - WRAP Background
  - WRAP Planning Support Activities
  - WRAP Regional Technical Activities

### 2015-16 Priorities

The goals of the Western Regional Air Partnership are to:

1. Understand the current and future priority technical support needs of the members.
2. Provide timely and efficient access to needed technical information that is credible, current, comprehensive, and consistent for air quality management decisions.
3. Deliver technical support, training, products and other services that meet the priority needs of the members.
4. Provide a forum for regional collaboration on technical topics of common interest to the members.
5. Advocate and advance western technical issues for resolution.

WRAP has identified 5 specific priorities for 2015-16 that are focused on achieving the WRAP Strategic Plan goals:

- Priority 1: Needs assessment:** Determine the highest priority technical support needs based on a member needs assessment.
- Priority 2: Technical Steering Committee and Working Groups:** Determine membership, activities, reporting, and then update Committee and establish working groups.
- Priority 3: Establish the WRAP Regional Technical Center:** Develop the information and mechanisms to then design, test, and implement the initial version of the WRAP Technical Center, including data access and delivery, outreach, and training for members and other users.
- Priority 4: Technical work planning and Gap analysis:** Prepare white papers to support planning for potential regional analysis support for the revised Regional Haze Rule and potential more stringent Ozone air quality standard. Based on the needs assessment, through discussions by Technical Steering Committee and working groups, determine levels of activity needed and achievable for foundational components of the Technical Center. Identify gaps due to missing functionality, need revisions/enhancements, and resource/funding opportunities in order to deliver the priority needs of the members.
- Priority 5: Secure funding:** Prepare a technical work plan, including budget and timeline, to build and sustainably operate the WRAP Regional Technical Center

Achieving these priorities will require a sustained and coordinated effort by the WRAP members. The following tables identify tasks, target completion dates, and responsible entities for achieving these priorities in the 2015-16 timeframe.

Priority Tasks and Activities

<p><b>1. Needs Assessment</b>                  WRAP Board Lead: _____                  Team: _____                   Funding Identified: \$_____                   Additional Funding Needed: \$_____</p> <p><u>Goal:</u> Determine the highest priority technical support needs based on a member needs assessment.</p>				
	Task	Outcome	Deadline	Assigned to
1	Identify through surveys and other outreach methods.	Report to Board	Q3-2015	
2	Form recommendations including leveraging of existing and known future projects.	Report to Board	Q4-2015	
3	Assign prioritized work and resources to staff and Working Groups.	Action by Board	Q4-2015	
4	Update Action Plan on an annual basis.	Report to Board	On-going	

**2. Technical Steering Committee and Working Groups**

WRAP Board Lead: \_\_\_\_\_

Team: \_\_\_\_\_

Funding Identified: \$\_\_\_\_\_

Additional Funding Needed: \$\_\_\_\_\_

Goal: Determine membership, activities, reporting, and then establish working groups.

Draft list of functional working groups identified in 2014 work planning process

- 1) Technical Steering Committee (TSC)
- 2) Tribal Data Working Group (TDWG)
- 3) Regional Technical Operations Working Group (RTOWG)
- 4) Oil & Gas Working Group (OGWG)
- 5) Fire & Smoke Group (FSWG)

	Task	Outcome	Deadline	Assigned to
1	Develop descriptions of planned committee/working groups' membership and operations.	Report to Board	Q2-2015	
2	Develop descriptions of planned committee/working groups' activities and reporting/tracking needs for Board oversight.	Report to Board	Q2-2015	
3	Form Committee/Working Groups and assign prioritized work.	Action by Board	Q3-2015	
4	Present progress and work accomplished by Committee/Working Group/staff on a semi-annual basis.	Report to Board	On-going	

**3. Establish version 1 of the WRAP Regional Technical Center**

WRAP Board Lead: \_\_\_\_\_

Team: \_\_\_\_\_

Funding Identified: \$\_\_\_\_\_

Additional Funding Needed: \$\_\_\_\_\_

Goal: Develop the information and mechanisms to then design, test, and implement the initial version 1 version of the WRAP Technical Center, including data access and delivery, outreach, and training for members and other users.

	Task	Outcome	Deadline	Assigned to
1	Identify and assess regional projects to associate and integrate the RTC with.	Report to Board	Q2-2015	
2	Form recommendations for options and methods for implementing the RTC.	Report to Board	Q3-2015	
3	Seek authority to leverage and expand/integrate the RTC with one or more existing regional projects.	Action by Board	Q3-2015	
4	Implement the RTC version 1 and report progress on a semi-annual basis.	Report to Board	On-going	

**4. Technical work planning and Gap analysis**

WRAP Board Lead: \_\_\_\_\_

Team: \_\_\_\_\_

Funding Identified: \$\_\_\_\_\_

Additional Funding Needed: \$\_\_\_\_\_

Goal: Prepare white papers to support planning for potential regional analysis support for the revised Regional Haze Rule and potential more stringent Ozone air quality standard. Based on the needs assessment, through discussions by Technical Steering Committee and working groups, determine levels of activity needed and achievable for foundational components of the Technical Center. Identify gaps due to missing functionality, need revisions/enhancements, and resource/funding opportunities in order to deliver the priority needs of the members.

	Task	Outcome	Deadline	Assigned to
1	Scope regional technical support needed for status quo analysis and planning needs.	White Paper for Board	Q3-2015	
2	Analyze gaps and needs of members	White Paper for Board	Q3-2015	
3	Develop initial estimates of incremental additional effort and benefits to the membership through regional analyses needed for Regional Haze and Ozone.	White Paper for Board	Q1-2016	
4	Decision opportunity to address and implement changes to RTC and Working Group activities.	Potential Board Action	On-going	

**5. Secure funding**

WRAP Board Lead: \_\_\_\_\_

Team: \_\_\_\_\_

Funding Identified: \$ \_\_\_\_\_

Additional Funding Needed: \$ \_\_\_\_\_

Goal: Prepare a technical work plan, including budget and timeline, to build and sustainably operate the WRAP Regional Technical Center.

	Task	Outcome	Deadline	Assigned to
1	Prepare draft work plan, budget, and timeline.	Plan for initial Board review and discussion	Q1-2016	
2	Distribute for WRAP membership review and comment.	Comments for Board consideration	Q2-2016	
3	Approve version 2 of the RTC.	Board Action	Q2-2016	
4	Implement the RTC version 2 and report progress on a semi-annual basis.	Report to Board	Q3-2016 and On-going	

Financial Report (*Budget projection to be developed*)

5. Consolidated Financial Summary

**Cumulative Expenses and Remaining Balances  
As of February 28, 2015**

	EPA	EPA	NPS	BLM/JFSP	BLM/API	BLM	
Object Class	Core Grant 2011-13	Core Grant 2014-16	Task 2 3-State	PMDETAIL	Drill Rig NO2 Field Study	Air Quality Modeling	Totals
1. Personnel	651,517	87,803	22,973	7,805	3,444	13,433	786,974
2. Fringe	155,844	19,433	3,702	1,219	469	2,052	182,718
3. Travel	521,320	22,653	1,324	2,834	0	1,829	549,961
4. Equipment	0	0	0	0	0	0	0
5. Supplies	0	0	0	0	0	0	0
6. Contractual	113,622	0	778,186 <sup>1</sup>	149,471	241,759	118,400	1,401,439
7. Construction	0	0	0	0	0	0	0
8. Other	361,871	39,686	1,179	1,142	0	4,743	408,622
9. Indirect	446,455	89,071	22,944	8,231	4,328	14,005	585,035
<b>Cumulative Expenses</b>	<b>2,250,628</b>	<b>258,646</b>	<b>830,308</b>	<b>170,702</b>	<b>250,000</b>	<b>154,464</b>	<b>3,914,748</b>
<b>Budget</b>	<b>2,428,647</b>	<b>2,761,500</b>	<b>951,373</b>	<b>441,095</b>	<b>250,000</b>	<b>240,000</b>	<b>7,072,615</b>
<b>Balance Avail</b>	<b>178,019</b>	<b>2,502,854</b>	<b>121,065</b>	<b>270,393</b>	<b>0</b>	<b>85,536</b>	<b>3,157,867</b>

<sup>1</sup> Contractual funds have been received as an advance.

WESTAR/WRAP prepares quarterly reports which include detailed financial status assessments for each active project. The reports are posted [here](#).

Priority 1 – Personnel, Fringe Benefits, Indirect, Calls and Travel for WRAP staff to be available for WRAP activities, current projects, meetings

Priority 2 – Travel and Call/Meeting expenses for WRAP staff and members to implement Working groups (Regional Haze, O&G, Fire, Regional Technical Center, and Tribal Data)

Priority 3 – Contractual effort for substantive analysis and project work, beyond/leveraging activities in projects already funded.



**Funding for WRAP Technical Support Staff**

		2015												2016											
Awards		J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
EPA Core 2014-16	152,000	.4	.4	.4	.4	.4	.4	.4	.4	.4															
NPS Task 2 3-State Study	951,000	.4	.4	.4	.4	.4	.4	.4	.4	.4															
BLM PMDETAIL project	441,000	.1	.1	.1	.1	.1	.1	.1	.1	.1															
BLM/JFSP REFERS	639,000																								
BLM AQ Modeling	120,000	.15	.15	.15	.15	.15	.15																		
BLM Drill Rig NO2 study	120,000																								
API Drill Rig NO2 study	250,000																								
NM Modeling study	250,000	Contract development between WESTAR and State of NM underway – start July 2015																							
BLM NM O&G EIs	110,000	Grant SoW development between WESTAR and BLM NM underway – complete work Sept. '15																							
Current awards																									
Anticipated awards																									

*Not up to date - placeholder*

WRAP 2014 Planning Reference Materials (formerly the Appendices – will include slight updates to material posted at: <http://www.wrapair2.org/WorkPlan.aspx>)

A. WRAP Background

- a. [Background and Status](#)
- b. [Organization and Structure](#)
- c. [WRAP 2014 Charter](#)

B. WRAP Planning Support Activities

- a. Regional Haze Planning
  - i. [WRAP Regional Haze Data Analysis and Decision Support System \(TSS\)](#)
  - ii. [WRAP Technical Support for WESTAR Regional Haze Planning Working Group](#)
- b. [Support of Tribal Air Quality Capacity and Tribal Implementation Plan \(TIP\) Development](#)
- c. Effects of Changing Sources and Climate on Western Air Quality
  - i. [Fire Working Group and Impacts of Natural-Uncontrollable Fire on Western Air Quality](#)
  - ii. [Oil & Gas Working Group and Better Technical Information for Emissions Control Planning for Oil & Gas Sources](#)

C. WRAP Regional Technical Activities

- a. Regional Emissions, Analysis, and Modeling Capabilities
  - i. [Western Regional Technical Center – WRAP Modeling Studies](#)
    1. BLM Cooperative Agreement and [Drill Rig 1-hour NO<sub>2</sub> Study](#) Activities
    2. NPS Cooperative Agreement and [3-State Air Quality Study / Western Data Warehouse](#)
    3. State of New Mexico – [Dona Ana County Ozone Nonattainment Modeling Study](#)
  - ii. Joint Fire Sciences Program Proposal - Real-World Evaluation of Fire SOA Emissions Factors from Fires in a Data Management System ([REFERS-DMS](#)) (submitted December 11, 2013)
  - iii. NASA Applied Sciences Program Proposal: Evaluation and Application of ACAST Products and Knowledge in Western U.S. Air Quality Planning and Management (submitted April 24, 2014) ([PDF](#))