



WESTAR QUARTERLY REPORT

Reporting Period: 4th Quarter 2013

Report Date: January 30, 2014

EPA Grant No. XA-00T68001

EPA Grant No. XA-00T82601

WGA Contract # 30-203-50

WESTAR's quarterly activity and budget status report for this reporting period includes summaries for the following projects and activities:

- 1) [EPA Core Grant](#) (XA-00T68001)
 - a. Activity Summary: Operations Project
 - b. Activity Summary: Training Project
 - c. Activity Summary: Regional Technical Support Project
 - d. Budget Summary and Status
- 2) [EPA Novation Agreement](#) (XA-00T82601)
 - a. Activity Summary
 - b. Budget Summary and Status
- 3) [WGA Contract](#) (WGA # 30-203-50)
 - a. Activity Summary
 - b. Budget Summary and Status
- 4) [BLM Drill Rig NO2 Monitoring Project](#) (under development)
 - a. Activity Summary
 - b. Budget Summary and Status
- 5) [Other Significant WESTAR Activities](#)

Regardless of funding source, all of the projects and activities conducted by WESTAR are consistent with and intended to achieve the purposes of the organization spelled out in Article 2 of WESTAR's Articles of Association, including promoting the exchange of information related to air quality management, developing procedures to meet air quality objectives and to protect environmental resources, and to establish workgroups to investigate specific topics and to develop recommendations for the consideration of the membership. This report summarizes activities and outcomes for this reporting period.

1. EPA Core Grant

a. Activity Summary: Operations Project

The purpose of the Operations project is to provide technical and policy support to WESTAR members in their efforts to achieve air quality management goals. Funding for this project comes entirely from member state contributions.

1) Status of work plan activities

<i>Expected Result for CY2013</i>	<i>Results/Outcomes</i>	
	<i>2013 Q4</i>	<i>Year-to-date</i>
10 air director conference calls, documented with minutes posted on WESTAR's website	2	8
2 business meetings, documented with minutes and presentations posted on WESTAR's website	1	2
24 Committee conference calls	5	23
16 Ad hoc Work Group conference calls	5	24
1 specialty conference on a technical and/or policy topic	0	0
1 meetings held to address priority, emerging topics	0	1
2 trips by committee representatives to attend national meetings and report back to WESTAR membership	1	3

2) Other Significant Activities:

- A work group comprised of Planning and Technical Committee members nearly completed its work to develop a timeline and plan to assist states prepare their 2018 Regional Haze SIPs.

- WESTAR representative Gordon Pierce attended a National Ambient Air Monitoring Steering Committee meeting.
- The ad-hoc Wildfire/Air Quality coordination work group met once during the quarter.
- WESTAR's fall business meeting was held in Denver, CO. This was the first meeting of WESTAR/WRAP as a combined organization. Dr. Arden Pope was a guest speaker. Presentations and a meeting summary have been posted on WESTAR's website.

b. Activity Summary: Training Project

WESTAR's Training Program addresses the near-future training needs of western air quality agencies by identifying critical needs, and offering training courses and workshops that closely match these needs. To accomplish these tasks and responsibilities, WESTAR Training Manager works closely with Training, Planning, Sources, Mobile, and Technical Committee members, Air Directors, WESTAR's staff, western air agency staff, and reviews written comments/suggestions on course evaluations.

WESTAR's Training Program offers two types of educational opportunities:

- i. State/Local Directed:
 - a. Western state/local air agencies are asked to review agency business objectives for the upcoming year;
 - b. Assist WESTAR's Training Manager in reviewing the objectives, agendas, and topics of numerous training courses to identify the education opportunity that most closely matches agency business objectives;
 - c. Conducted as geographically close to the agency as possible in order to reduce barriers and enhance opportunity for staff cross training; and,
 - d. These State/Local Directed educational opportunities generally utilize a standardized course format;
- ii. Specialty Courses:
 - a. Subject matter for Specialty Courses are generally identified by Air Directors and WESTAR's committees;
 - b. These specialty courses address new/emerging air quality issues requiring extensive course development activities.

1) Status of work plan activities

<i>Expected Result for CY2013</i>	<i>Results/Outcomes</i>	
	<i>2013 Q4</i>	<i>Year-to-date</i>
22 educational opportunities developed and delivered:	13	28
<ul style="list-style-type: none"> • Oct 28: Basic NSR/PSD; Helena, MT • Oct 29: Advanced NSR/PSD; Helena, MT • Oct 29-31: Inspection of Gas Control Devices (APTI 455); Las Vegas, NV • Oct 30-31: Effective Permit Writing (APTI 454); Helena, MT • Nov 5: Industrial Boilers (NACT 273); Anchorage, AK • Nov 5: Metal Parts & Products (NACT 231); Phoenix, AZ • Nov 6: Incinerators (NACT 270); Anchorage, AZ • Nov 6: Incinerators (NACT 270); Phoenix, AZ • Nov 7: Stationary Gas Turbines (NACT 272); Anchorage, AK • Nov 7: Poly Resins (NACT 261); Phoenix, AZ • Nov 8: Stationary Reciprocating Engines (NACT 271); Anchorage, AK • Nov 8: Baghouses (NACT 282); Phoenix, AZ • Dec 3-5: NOx Emissions: Formation and Control (APTI 418); Las Vegas, NV 		
500 students trained	426	815
1100 student training days	657	1519

Note: During the 4th Quarter of CY2013 Total Students Trained (426) at WESTAR's training courses accounted for over 50% of annual Total Students Trained (815), and for over 43% of Total Student Training Days (657 Q4 vs. 1519 CY2013). For CY2013, Total Students Trained at WESTAR sponsored training courses exceeded projected Expected Annual Results by 315 (163% higher than Expected Results) and exceeded projected Student Training Days by 419 (138% higher the Expected Results).

2) Other Activities this Quarter

- WESTAR staff continues to serve as one of the main point-persons for the National Association for Clean Air Agency's (NACAA) training committee (representing state and local air quality agencies) in working with EPA and its contractor to improve the overall experience of EPA's APTI-Learn.net learning management system (LMS) for the end-user by identifying updates, enhancements, and maintenance issues, and identifying workable and resource-wise solutions.
- WESTAR staff devoted time to enhancing the Associate's overall understanding EPA's new Carbon Pollution Standards for New and Existing Power Plants. Most of WESTAR's member agencies will be required to submit 111(d) plans. WESTAR is striving to help these agencies understand the requirements, timing and program elements.
- WESTAR staff actively participates on NACAA Joint Training Committee.

c. Activity Summary: Regional Technical Support Project

The purpose of the Regional Technical Support project is to coordinate and manage regional air pollution analyses and to support planning for air quality in the western U.S., continuing the work of the Western Regional Air Partnership (WRAP). Guidance and advice on the technical elements of projects undertaken by the WRAP is provided to the Technical Projects Manager by the Technical Steering Committee, including participation by the Committee in the selection of projects and contractors, status reports, and review of final products.

1) Status of work plan activities

<i>Expected Result for CY2013</i>	<i>Results/Outcomes</i>	
	<i>2013 Q4</i>	<i>Year-to-date</i>
4 Technical Oversight Committee meetings documented on website	0	0
4 WRAP Board meetings documented on website	2	2
Participation in 4 face to face technical coordination meetings	7	7

2) Other Activities this Quarter

- The 4th quarter 2013 was the first reporting period for WRAP activities through WESTAR. Several transition activities were begun. WRAP Board provided direction on work planning to continue through 1st and 2nd quarters of 2014.
- The 4th quarter 2013 also involved transitioning and/or completing projects formerly based at the Western Governors' Association. Significant effort has been invested with federal agency sponsors to conclude the WGA portion of these technical projects in the 4th quarter 2013 and execute the agreements and associated arrangements necessary to continue projects through WESTAR. The [administrative status](#) of the projects was discussed on Nov. 7, 2013 at the WRAP meeting.

d. Budget Summary and Status

The following tables summarize the status of WESTAR's Core Grant budget, comparing cumulative grant awards since the inception of the current grant (September 1, 2011) through the end of the most recent quarter. While authority to spend against the new grant began on September 1, 2011, WESTAR continued to spend down the prior grant until November 1, 2011.

Thus expenditures for the first two months of the project period were paid out of the prior grant.

**EPA Grant # XA-00T68001
Cumulative Grant Awards by Project as of 12/31/13
CY2011-2013**

Project Title	Total Anticipated Project Period Cost	Total Awards Project Period to Date	Percentage
Operations	840,000	830,312	99%
Training	1,102,500	1,102,500	100%
Regional Tech Support	152,484	147,208	97%
State Travel Support	410,961	348,627	85%
Totals	2,505,945	2,428,647	97%

**EPA Grant # XA-00T68001
Cumulative Expenses by Project
12/1/2011 through 12/31/2013**

Project Title	Total Awarded¹	Work Plan Budget	Actual Expenses	Percent of Total Budget¹
Operations			525,900	
Training			658,924	
Regional Tech Support			6,509	
State Travel Support			196,531	
Overhead			308,342	
Totals	2,428,647	2,443,615¹	1,696,206	69%

¹WESTAR is currently working with EPA Region 9 on budget revisions in light of sequestration reductions, proposed revisions to the cost allocation plan, and the expectation of additional awards from the National Park Service and Bureau of Land Management. Percent of total budget figures are based on original work plan budget.

EPA Grant # XA-00T68001
Cumulative Expenses by Object Class
12/1/2011 through 12/31/2013

Object Class	Budget²	Actual	Percentage
1. Personnel	644,623	526,111	82%
2. Fringe Benefits	172,051	122,530	71%
3. Travel	740,189	357,514	48%
4. Equipment	0	0	
5. Supplies	0	0	
6. Contractual	114,037	99,305	87%
7. Construction	0	0	
8. Other	351,727	282,404	80%
9. Indirect Expenses	406,020	308,342	76%
Totals	2,428,647	1,696,206	70%

² Proposed revised budget pending approval by EPA Region 9, submitted for approval 12/18/13.

2. EPA Novation Agreement

a. Status of work plan activities

- The 4th quarter 2013 was the first reporting period for WRAP activities through WESTAR. Several transition activities were begun. WRAP Board provided direction on work planning to continue through 1st and 2nd quarters of 2014.
- The 4th quarter 2013 also involved transitioning and/or completing regional technical WRAP projects formerly based at the Western Governors' Association. Significant coordination effort has been invested with federal agency sponsors to conclude the WGA portion of these technical projects during the 4th quarter 2013 and execute the agreements and associated arrangements necessary to continue projects through WESTAR. The [administrative status](#) of the projects was discussed on Nov. 7, 2013 at the WRAP meeting.
- Due to WRAP staff time predominantly spent on WGA projects in 4th quarter 2013, less WESTAR-EPA Novation Agreement resources were expended.

b. Other Activities this Quarter

- WRAP projects provided analysis results and planning support information through conference calls, webinars, and technical meetings focused on fire's impact on

- ozone and exceptional events, oil and gas emissions inventories and control analysis, and continuing dissemination of regional modeling results.
- Consultations with federal agencies and private sponsors to define and sponsor future technical projects were held.
 - WRAP work planning efforts were begun, to continue through 1st and 2nd quarters of 2014.

c. Budget Summary and Status

**EPA Grant # XA-00T82602
Cumulative Expenses by Object Class
10/1/2013 through 12/31/2013**

Object Class	Budget	Actual	Percentage
1. Personnel	42,192	7,075	17%
2. Fringe Benefits	14,514	627	4%
3. Travel	7,230	536	7%
4. Equipment	0	0	0
5. Supplies	0	0	0
6. Contractual	0	0	0
7. Construction	0	0	0
8. Other	10,372	0	0%
9. Indirect Expenses	36,494	3,936	11%
Totals	110,802	12,174	11%

3. WGA Contract

a. Status of work plan activities

- WRAP projects through WGA provided analysis results and planning support information through conference calls, webinars, and technical meetings focused on fire's impact on ozone and exceptional events, oil and gas emissions inventories and control analysis, and continuing dissemination of regional modeling results.
- The WGA portions of these projects were completed and WESTAR is working with federal agencies to implement agreements to accomplish the remaining portions of continuing projects.

b. Other Activities this Quarter

- Status of completed WGA project work is found at:

- [Oil and Gas Emission Inventories](#) – Air Quality and Oil & Gas Development in the Rocky Mountain Region Workshop, October 21-22, 2013, Boulder, CO
 - Virtual Tour #1 - Oil & Gas Operations in Wyoming – a [webinar](#) by Wyoming AQD –November 5, 2013
 - Pinedale Gas Well operations ([PDF](#))
 - Jonah Field Gas Well operations ([PDF](#))
 - Webinar recording ([WMV](#)) (97.7MB)
 - Virtual Tour #2 - Wyoming Air Quality Division Oil & Gas Emissions Tracking – a [webinar](#) by Wyoming AQD - November 20, 2013
 - Webinar recording ([MP4](#)) (350 MB)
 - [Oil & Gas Phase III 2006 Base Year Emission Inventory Project](#)
 - [Analysis of States' & EPA O&G Air Emission Control Requirements for Selected Basins in the Western U.S.](#) (November 8, 2013)
 - [Williston and Great Plains Basins' O&G 2011 and projection year Emission Inventory Project](#)
 - [WestJumpAQMS](#)
 - West-Wide Jump-Start Air Quality Modeling Study (WestJumpAQMS) – Final Report ([PDF](#) 15MB), September 30, 2013
 - [Three State Data Air Quality Study – Data Warehouse and Project Website](#)
 - DEASCO₃ and PMDETAIL Projects
 - [Deterministic & Empirical Assessment of Smoke's Contribution to Ozone \(DEASCO₃\) project website](#)
 - [Prescribed and Other Fire Emissions: Particulate Matter Deterministic & Empirical Tagging & Assessment of Impacts on Levels \(PMDETAIL\) project](#)
- c. [Budget Summary and Status](#)

**WGA Contract #30-203-50
Budget Status as of 12/31/2013**

Project Title	Budget	Invoiced Expenses	Percent of Total Budget
NPS – 3 State	\$29,079	\$29,079	100%
PM Detail	7,195	7,195	100%
Oil Emission Inv.	14,614	14,614	100%

4. BLM Drill Rig NO2 Monitoring Project

- a. Status of work plan activities
 - Organizational call held Nov. 21st, 2013.
- b. Other Activities this Quarter
 - Work plan in development.
- c. Budget Summary and Status

This project is in the preliminary planning phase. WESTAR has received \$20,000 in contract funding from the American Petroleum Institute (API) to support the planning effort. Those funds will be used by WESTAR to defray expenses related to this planning effort. None of these funds were spent prior to 12/31/13.

5. Other Significant Activities

- The October – December, 2014 quarter saw WESTAR transition from its longtime organizational and funding structure to a new configuration with multiple funding sources and the addition of new, ex officio members representing new constituencies. Since the 1990's WESTAR's membership has included the 15 western states and 4 federal land management agencies as ex officio members. With the incorporation of the Western Regional Air Partnership (WRAP), over 40 new member jurisdictions have joined WESTAR as ex officio members, including local air pollution control agencies, tribal nations, and U.S. EPA. While the organization has expanded, our mission has not.
- WESTAR made significant changes to its financial management system to accommodate the aforementioned organizational changes. Contract accountants recommended, and WESTAR implemented several changes including job cost accounting, whereby activities and expenses are tracked by project and WESTAR's overhead expenses are allocated to the funding sources in proportion to staff time spent on each project. The Cost Allocation Plan to implement these changes was approved in November 2013.
- Staff attended the National Association of Clean Air Administrators (NACAA) membership meeting as well as the inaugural meeting of the Association of Air Pollution Control Administrators (AAPCA) during the quarter.