



WESTAR QUARTERLY REPORT

Reporting Period: 1st Quarter 2015

Report Date: April 30, 2015

EPA Grant No. XA-00T68001

EPA Grant No. XA-00T82602

NPS Agreement No. P14AC00099

Task 2: P14AC01122-TA

BLM/JFSP Agreement No. L14AC00008

BLM Agreement No. L14AC00077

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, 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.

Reporting Organization:

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Contents

- 1) [EPA Core Grant 2011-13 \(XA-00T68001\)](#)
- 2) [EPA Core Grant 2014-16 \(XA-00T68001\)](#)
- 3) [NPS Cooperative Agreement \(P14AC00099\)](#)
[Task 2: P14AC01122-TA](#)
- 4) [BLM/JFSP Cooperative Agreement \(L14AC00008\)](#)
- 5) [BLM Drill Rig NO2 Monitoring Project \(L14AC00077\)](#)
- 6) [Other Significant WESTAR Activities](#)
- 7) [Consolidated Expense Summary](#)

1. EPA CORE GRANT 2011-13

Note: On September 26, 2014 EPA granted a no-cost extension to amend the deadline to complete this grant to December 31, 2015. This extension was specifically for the purpose of “spending down” balances in state travel accounts. Accordingly, the only activities conducted under this grant beginning October 1, 2014 will be state travel expenditures.

a. 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 through November 2011. Thus expenditures for the first two months of the project period were paid out of the prior grant.

EPA Core Grant 2011-13 Cumulative Grant Awards by Project through 3/31/2015

Project Title	Total Anticipated Project Period Cost	Total Awards Project Period to Date as of 3/31/2015	Percentage
Operations	840,000	830,312	99%
Training	1,102,500	1,102,500	100%
Regional Tech Support	0	147,208	
State Travel Support	410,961	348,627	85%
Totals	2,353,461	2,428,647	103%

EPA Core Grant 2011-13 Expenses by Object Class through 3/31/2015

Object Class	Budget	This Quarter	Cumulative Expenses	Percentage
1. Personnel	644,623	0	651,517	101%
2. Fringe Benefits	172,051	0	155,844	91%
3. Travel	740,189	6,635	523,987	71%
4. Equipment	0	0	0	
5. Supplies	0	0	0	
6. Contractual	114,037	0	113,622	100%
7. Construction	0	0	0	
8. Other	351,727	0	361,871	103%
9. Indirect Expenses	406,020	0	446,455	110%
Totals	2,428,647	6,635	2,253,294	93%

2. EPA CORE GRANT 2014-16

Note: Work on activities and spending against this grant began October 2014.

a. Activity Summary: Operations Project

The purpose of the Operations project is to develop, implement, and support the policy and technical activities at WESTAR that benefit member states. Funding for this project comes entirely from member state contributions. In addition, personnel from member states and federal land management agencies contribute their time and expertise to many of the tasks performed under this project.

1) Status of work plan activities – Operations Project

<i>Expected Result for Project Period</i>	<i>Results/Outcomes</i>	
	<i>2015 Q1</i>	<i>Project Period Total</i>
27 Air director conference calls, documented with minutes posted on WESTAR’s website	3	6
6 Business meetings, documented with minutes and presentations posted on WESTAR’s website	0	0
120 Committee and ad hoc workgroup conference calls	26	34
12 Trips by committee chairs to brief air directors on committee activities	0	0
3 Specialty conference on a high priority topic	0	0
3 Meetings held to address emerging topics	0	0
9 Trips by committee representatives to attend national meetings and report back to WESTAR membership	3	4

2) Other Activities this Quarter – Operations Project

- WESTAR organized and supported travel for western states representatives of our Regional Haze Work Group to participate in a national meeting on improving the Regional Haze Rule implementation. Prior to the meeting, Work Group members prepared background information based on previous written comments ([link](#)).
- WESTAR submitted extensive comments on implementation issues on the ozone NAAQS proposal ([link](#)) and gave oral testimony at the public hearing.
- WESTAR initiated a new Work Group to explore the technical and policy issues surrounding background and transported ozone in the west.
- WESTAR staff helped organize a workshop on accelerating the retirement of old wood-burning devices to be held in April.
- Staff organized and participated in a briefing for the Office of Management and Budget on EPA’s proposed update to the wood heater new source performance standard. The meeting included representatives of state and local air quality management agencies from across the country. Staff subsequently briefed EPA’s Assistant Administrator (Air) on state and local views on the proposal.

b. Activity Summary: Training Project

The purpose of the Training Project is to: (1) deliver high quality training courses/workshops that meet the needs and expectations of state and local air agency staff within the fifteen-state WESTAR region; (2) develop needed, cost-effective, responsive, and western-states-focused training opportunities; and (3) act as the main point of contact for information and educational training opportunities related to air quality training.

1) Status of work plan activities – Training Project

<i>Expected Result for Project Period</i>	<i>Results/Outcomes</i>	
	<i>2015 Q1</i>	<i>Project Period Total</i>
69 Educational opportunities developed and delivered:	2	14
* Effective Permit Writing (Honolulu, HI)		
* Intermediate NSR/PSD (Honolulu, HI)		
1800 Students trained	29	125*
3450 Student training days	87	307*
1 Training course developed/updated	0	0

* These numbers are incorrect. Students trained should be 163 and student training days should be 394

2) Other Activities this Quarter – Training Project

- WESTAR staff continues to serve as members of the National Training Strategy Committee. The Committee established goals are to: understand the priority training needs of air quality agency professionals; provide training opportunities that meet the priority needs of air quality agency professionals; utilize course materials that are up-to-date, accurate, complete, and easy to use; conduct all training using recognized subject matter experts and effective teachers; and deliver effective and cost-efficient training through the use of existing, new and emerging technologies where appropriate
- WESTAR staff also serve as members of the Joint Training Committee (AAPCA, NACAA, EPA). The JTC developed a Training Strategy Action Plan which includes efforts in: course update priorities; prioritize and initiate a plan to develop training offerings to fill gaps, based on curriculum project; develop and implement a process to determine the highest priority training needs on an on-going basis; develop and implement a plan for further enhancement and on-going maintenance of APTI-Learn; and re-launch an improved Learning Management System (APTI-Learn).
- WESTAR's staff serves as a liaison for its member agencies in 111(d) efforts. WESTAR assists the state/local agencies with understanding the impacts of the proposed 111(d) rule, and by identifying agenda topics for face-to-face meetings and conference calls.
- WESTAR staff collaborates with stakeholders outside of the air pollution program such as the Center for New Energy Economy (CNEE), Western Interconnect Energy Board (WIEB), Western Electricity Coordinating Council (WECC), and Regulatory Assistance Project (RAP) to inform, and to enhance air pollution control agency staffs' understanding of 111(d) issues that are of importance to entities such as Public Utility Commissions (PUC), Environmental Commission Boards, and electrical grid operators who are, or whose constituencies are, effected by 111(d).

c. Activity Summary: Regional Technical Support Project

The purpose of the Regional Technical Support project is to provide technical support to member agencies related to analysis of monitoring data, analysis and preparation of emissions inventories, regional modeling analyses, and operation and maintenance of web databases – all for member agencies to use in their air quality management and planning activities.

1) Status of work plan activities – Regional Technical Support Project

<i>Expected Result for Project Period</i>	<i>Results/Outcomes</i>	
	<i>2015 Q1</i>	<i>Project Period Total</i>
15 Regional technical analysis/planning conference calls	4	8
12 Technical Oversight Committee conference calls	2	4
6 Face-to-face WRAP Board meetings	0	0
30 Travel support provided to local agency and tribal WRAP Board members	1	1

2) Other Activities this Quarter – Regional Technical Support Project

- Staff continued the development of the WRAP Regional Technical Center through discussions with state and federal agencies.
- Staff gave invited presentations at the State of UT Uinta Basin Emission Inventory meeting; State of WA and NW-Airquest meetings; meetings of the federal Committee on Environment, Natural Resources, and Sustainability; Western Energy Supply and Transmission Associates; a State of ID workshop; the EPA Region 10 Smoke Mgmt. Workshop; the Front Range / Federal Air Quality Forum; and the San Joaquin Valley AQMD Transboundary Ozone Conference – all on western regional technical analyses and results. Links to presentations:
 - [Washington \(PDF\)](#), [WRAPTools \(PDF\)](#) and NW-Airquest Meeting presentation ([PDF](#)) February 4 and 5, 2015
 - [CENRS](#) Air Quality Research Subcommittee meetings ([PDF](#)) February 19 and March 19, 2015
 - Western Energy Supply and Transmission (WEST) Associates meeting presentation ([PDF](#)) March 9, 2015
 - [Idaho](#) Region 10 Smoke Management Workshop presentation ([PDF](#)) and Idaho DEQ Western Air Quality Workshop ([PDF](#)) and WRAPTools ([PDF](#)) March 17 and 18, 2015
 - Front Range / Federal Air Quality Forum presentation ([PDF](#)) March 24, 2015
 - San Joaquin Valley AQMD – [Transboundary Ozone Pollution Conference](#) presentation ([PDF](#)) March 31 – April 2, 2015
- Staff continued to work with state and federal agencies, including regional EPA offices, to discuss and collect input on regional technical analysis needs in the western U.S.

- Staff continued work to finalize speakers, materials, and logistical arrangements for the [2015 WRAP-EPA Western Modeling Workshop](#) in Boulder, CO during the week of May 11, 2015. The workshop will be jointly held with the Hemispheric Transport of Air Pollutants working group sponsored by EPA OAR.
- Staff continued work to finalize and organize plenary speakers and session/panel speakers in response to EPA OAQPS' staff request for WESTAR/WRAP staff to plan and present at the EPA April 13-16, 2015 [International Emission Inventory Conference](#). Extensive effort continued up to and during the Conference.
- WESTAR/WRAP staff conducted 6 calls with state, federal land manager, and regional EPA staff and provided staff support and participation in the March 3-4 OAQPS-sponsored Regional Haze meeting, about changes to the Rule and specific regional technical efforts for the Regional Haze plans due July 2018.
- Dissemination of reports, data, and summary results were conducted via the [WRAP website](#).
- Updated the WRAP Regional Technical Center and West-wide Jumpstart Air Quality Modeling Study ([WestJumpAQMS](#)) web page with additional materials, documenting the ongoing series of follow-up workshops, including presentation materials.

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, 2014) through the end of the most recent quarter. While authority to spend against the new grant began on September 1, 2014, WESTAR continued to spend down the prior grant through September 2014 and will continue to spend down State Travel Support funds through 2015, or until funds from the prior grant are depleted.

**EPA Core Grant 2014-16
Cumulative Grant Awards by Project through 3/31/2015**

Project Title	Total Anticipated Project Period Cost	Total Awards Project Period to Date as of 3/31/2015	Percentage
Operations	840,000	274,934	33%
Training	1,102,500	367,500	33%
Regional Tech Support	457,452	152,484	33%
State Travel Support	410,961	120,820	29%
Totals	2,761,500	915,738	33%

**EPA Core Grant 2014-16
Expenses by Object Class through 3/31/2015**

Object Class	Budget	This Quarter	Cumulative Expenses	Percentage
1. Personnel	657,106	44,130	105,443	16%
2. Fringe Benefits	178,098	9,768	23,390	13%
3. Travel	731,738	12,648	29,136	4%
4. Equipment	0	0	0	
5. Supplies	0	0	0	
6. Contractual	105,000	0	0	0%
7. Construction	0	0	0	
8. Other	338,488	3,292	41,906	12%
9. Indirect Expenses	751,070	49,926	119,695	16%
Totals	2,761,500	119,763	319,569	12%

3. NPS COOPERATIVE AGREEMENT

Under this agreement, WESTAR/WRAP has agreed to cooperate with the National Park Service in furthering the understanding of air quality formation, transport and effects in the western U.S., which includes but is not limited to ambient monitoring and data reporting, creation and operation of databases, development of emission inventories, performance of air quality modeling to understand the effects of pollution and to facilitate discussion of possible mitigation, and the development of outreach and education products toward bettering the understanding of Western air quality by the public and stakeholders.

Projects and activities under this Agreement will be individually authorized by separate task agreements, with each project or activity having a separate work plan and budget developed cooperatively between the NPS and WESTAR/WRAP.

TASK 1: 3-State Study Coordination and Data Warehouse (P14AC00133) was completed on 9/30/2014.

TASK 2: Three State Air Quality Study (P14AC01122)

a. Activity Summary

Under this Task Agreement, WESTAR/WRAP provides collaboration and coordination services for states, tribes, local air agencies, and federal agencies across the Western U.S. under the leadership of the 3-State/Federal Leadership Forum (3-State/FLF). The 3-State/FLF is implementing the Western AQ Study with the following objectives:

- Provide storage and access to consistent, sufficient, comparable and high-quality technical data.

- Provide consistent protocols for technical data and its analysis for air quality impacts to be performed by the Three-State Study partner agencies.
- Initiate and support collaborative work by the federal and state partners on National Environmental Policy Act (NEPA) air quality analyses relative to energy development and for a broad range of air quality planning activities, including emissions, meteorological and air quality modeling.
- Develop technical capacity and improved data sets for the cooperating agencies using standardized reproducible data collection, quality assessment, analysis and storage protocols.
- Identify, document and apply criteria for base year and future year projections.
- Assist NPS and Three-State Study Governing Board in identifying ways and means of ongoing funding to support the data warehouse when operational
- Identify the mechanisms to be used by the technical work groups to report to the Steering Committee and Governing Board for the Three-State Study.

WESTAR/WRAP staff, serving as project coordinator for the Western Air Quality Study conducted the following activities related to the furtherance of these objectives over the reporting period:

Activities related to study coordination:

- Provided staff support for the January 21st 3-State Study Governing Board meeting.
- Organized and executed the February 25th 3-State Technical Committee meeting.

Activities related to coordinating the efforts of the NPS, 3-State Study partners, and the Data Warehouse technical contractor team to design, assemble, test, populate, and plan further development of the Warehouse:

- Transfer protocols for modeling data and inputs to external users were updated and file transfers to outside users continued in the 1st quarter 2015.
- Daily work continued on the construction and implementation of the data, web database, visualization tools, associated metadata, and web pages to access and use the Data Warehouse.

Activities related to organizing and attending meetings, webinars, and calls for the 3-State Study:

- More than a dozen conference calls were held this quarter to manage the work of the technical support contractor team including Colorado State University (CSU)-Cooperative Institute for Research in the Atmosphere (CIRA), the University of North Carolina (UNC), and ENVIRON International Corp.
- WESTAR conducted outreach with states and federal agency offices in the region surrounding the 3SAQS area to develop relationships and identify common needs with those agencies.
- A scope of work was developed and discussed with the NM BLM State Office and NM Air Quality Bureau for a comprehensive O&G emissions inventory update for the San Juan and Permian Basins. The NM BLM will be funding this work separately, aligned

with and leveraged against similar work during the same time frame in 2015 under the 3SAQS effort.

Summary of Work Plan Activities

<i>Expected Result for Project Period</i>	<i>Results/Outcomes</i>	
	<i>2015 Q1</i>	<i>Project-to-date</i>
6 Conference calls or meetings with Governing Board or Steering Committee	1	1
5 Face-to-face meetings	2	4
4 Technical milestones requiring special communication effort	1	5

Activities related to ambient monitoring activities in the Utah portion of the Study region:

- Outreach to Utah DAQ to arrange the transfer of funds for ambient monitoring was initiated.

Activities related to air quality modeling for the Study region:

- Regional modeling study results for the 2011 version A modeling platform were reviewed in more detail.
- Work on tasks under the Oct. 2014 through June 2015 Scope of Work continued for ENVIRON and UNC. Additional effort was added by the Technical Committee, extending the SoW end date to Sept. 30th, but not increasing the cost.

b. Budget Summary and Status

**Task 2 - NPS 3-State Air Quality Study
Expenses by Object Class through 3/31/2015**

Object Class	Budget	This Quarter	Cumulative Expenses	Percentage
1. Personnel	75,493	10,531	27,098	36%
2. Fringe Benefits	16,553	1,832	4,433	27%
3. Travel	2,192	816	1,722	79%
4. Equipment	0	0	0	
5. Supplies	0	0	0	
6. Contractual	778,186	0	778,186 ¹	100%
7. Construction	0	0	0	
8. Other	3,456	563	1,603	46%
9. Indirect Expenses	75,493	11,830	30,181	40%
Totals	951,373	25,572	843,223	89%

¹ WESTAR has drawn the approved contractual amount as an advance. A summary of contract expenses follows.

Project Contractor	Advance Received	Expenses This Period	Cumulative Expenses	Balance
Environ	705,186	87,634	92,573	612,613
St of Utah	73,000	73,000	73,000	0

4. BLM/JFSP COOPERATIVE AGREEMENT (PMDETAIL)

Under this cooperative agreement, WESTAR, through WRAP, is charged with delivering innovative and useful technical products in the form of a quantitative assessment of prescribed and other fire types' effect on likely PM standards, both 24-hour and annual average for each of three historic years and 2008 alternate future scenarios. This assessment will rank fire contributions by locations. The planned PM exceedance vulnerability matrix will enable federal land management agencies to evaluate future real-world decisions about prescribed burning effects on air quality.

a. Administrative Status

The budget and work plan for this project was submitted to the Joint Fire Sciences Program (JFSP) and the Idaho State Office of the Bureau of Land Management as the grant award entity in November and December 2013. The grant monies were then awarded in February and March 2014, in two increments. Contracts with the four technical support organizations (Air Sciences, Inc.; ENVIRON; Colorado State University; and Carnegie-Mellon University) were executed shortly after the award.

b. Activity Summary

As noted in the section above (Administrative Status), the transition of this project from WGA to WESTAR resulted in a significant disruption of the work being conducted under this project. As a result, several delivery dates were delayed. Further changes to the Deliverable descriptions and updated Delivery Dates will be proposed to JFSP during the 2nd quarter 2015.

Deliverable: Updated FETS website, including empirical analysis results for 2002, 2008, and 2011.

Delivery Dates: Jan/Oct 2013 and May 2014

Status and Activities:

- 2002 results completed June 2014, 2008 results completed Feb. 2015

Deliverable: Online tools, including regulatory analysis/assessment results with case studies

Delivery Dates: October 2014

Status and Activities:

- Work on analysis and publication of 2008 and 2011 case studies for publishing results on the [WRAPTools](#) website continues.

Deliverable: Training, including webinar-style training to FLMs on use of online PMDETAIL tools

Delivery Dates: December 2014

Status and Activities:

- No activity

Deliverable: Data and results

Delivery Dates: Summer 2015

Status and Activities:

- Selection of 2008 filter sample days/locations with large modeled Particulate Matter impacts from fire activities completed Nov. 2014.
- 2011 air quality modeling and evaluation.
- 2011 modeling is underway.

Deliverable: Submit summary of methodology and findings of PMDETAIL to refereed publication(s)

Delivery Dates: Fall 2015

Status and Activities:

- Website, tools, training, and data results will be added, as appropriate, through the September 2015 end point of the project.
- Scoping activities on tools has begun.

c. Other activities

- The PMDETAIL Project Team and WESTAR/WRAP staff held an in-person project meeting in Lakewood, CO on February 11th to discuss results and plan the schedule and deliverables for the remainder of the project.
 - A critical path timeline and planned deliverables was developed for the project team’s use.
- Members of the Project Team and WESTAR/WRAP staff met with the JFSP Program Manager in Boise, ID on March 18th to discuss the project and the REFERS-DMS proposal under consideration by the JFSP Board.

d. Budget Summary and Status

WESTAR “inherited” the funds remaining in the PMDETAIL project originally awarded to WGA. WESTAR’s budget for this project is based on an updated Scope of Work reflecting the work completed under the WGA award and the work that remains to be completed under the WESTAR award.

**BLM/JFSP Cooperative Agreement – PMDETAIL Project
Expenses by Object Class through 3/31/2015**

Object Class	Budget	This Quarter	Cumulative Expenses	Percentage
1. Personnel	14,449	2,851	8,833	61%
2. Fringe Benefits	2,041	495	1,401	69%
3. Travel	1,900	561	3,187	168%
4. Equipment	0	0	0	
5. Supplies	0	0	0	
6. Contractual	400,039	18,470	165,583	41%
7. Construction	0	0	0	
8. Other	7,455	266	1,408	19%
9. Indirect Expenses	15,211	3,174	10,046	66%
Totals	441,095	25,816	190,457	43%

5. BLM DRILL RIG NO₂ MONITORING STUDY

a. Activity Summary

WESTAR received initial funding from the American Petroleum Institute (API) in late 2013 to organize a workgroup and develop a work plan and schedule to execute a Study to collect ambient measurements adjacent to drilling rigs to evaluate actual 1-hour NO₂ impacts from

drilling operations. In addition, sufficient data would be collected regarding drilling operations that could be used to verify NO₂ air quality models. The Study will focus on short term episodes.

In May 2014, WESTAR/WRAP responded to a funding opportunity notice from the Bureau of Land Management (BLM) for this Study. A funding proposal was prepared and submitted by WESTAR/WRAP and was then awarded by the BLM as Task 1 under the BLM-WESTAR Cooperative Agreement. The BLM funding is allocated for travel and communications for WESTAR/WRAP staff to support the Study. The BLM funding is also allocated to pay the salary of a 50% full-time equivalent WESTAR contract employee. In August 2014, API transferred funding resources to WESTAR for the bulk of the Colorado field sampling contract. In December 2014, BLM provided additional grant funding to cover the remainder of the Colorado field sampling expenses, WESTAR/WRAP staff support, and a separate data formatting and analysis contracted effort.

Activities this quarter included:

- The Study Management Team and WESTAR/WRAP staff spent a significant amount of time overseeing work by the field sampling contractor (URS/AECOM) to provide complete and validated data and field study reports as required in the WESTAR contract with URS/AECOM.
 - This effort was finally completed in early April.
- The Study Management Team and WESTAR/WRAP staff has received the data and field study reports from the parallel field sampling study on the Alaska North Slope; the field work was done by Alaska North Slope Oil & Gas operators.
- The WESTAR/WRAP contract employee managed the delivery and evaluation of the Alaska and Colorado field sampling data and reports, and coordinated overall Study activities.
- Funds from the BLM additional grant for the Study from December were awarded for a short-term, limited scope effort with AMEC Foster Wheeler to format and quality assure the data collected in the field, for use in future Model Evaluation activities.
 - This contract bridged a gap in EPA funding for the services of their level-of-effort contractor (AMEC Foster Wheeler) for data processing activities during February-April 2015; data from the Colorado and Alaska field sampling efforts will be transferred to the EPA contractor for that purpose.
- The WESTAR/WRAP contract employee has begun organizing a Model Evaluation workgroup to analyze the field studies' data from Alaska and Colorado.

[Drill Rig 1-hour NO₂ Collaborative Monitoring Study](#) webpage

Additional materials will be added to the Study webpage in April 2015.

e. Budget Summary and Status

The BLM Task 1 funding and supplemental funding received in late 2014 enabled Phase 2 of the Study and provides staff support to the entire Study. Remaining Phase 1 funds have been applied to Phases 2 through 4, combined with additional resources that will be needed for these

phases. The combination of funding for WESTAR personnel by BLM and the field sampling contract support from API is the combined funding for this project.

**BLM Drill Rig NO₂ Monitoring Study
BLM Cooperative Agreement
Expenses by Object Class through 3/31/2015**

Object Class	Budget	This Quarter	Cumulative Expenses	Percentage
1. Personnel	16,800	3,594	14,982	89%
2. Fringe Benefits	6,222	627	2,326	37%
3. Travel	8,426	0	1,829	22%
4. Equipment	0	0	0	
5. Supplies	0	0	0	
6. Contractual	188,244	91,940	122,320	65%
7. Construction	0	0	0	
8. Other	1,463	123	4,866	333%
9. Indirect Expenses	18,845	4,057	16,686	89%
Totals	240,000	100,340	163,010	68%

**BLM Drill Rig NO₂ Monitoring Study
API Startup and Field Study Funding
Expenses by Object Class through 3/31/2015**

Object Class	Budget	This Quarter	Cumulative Expenses	Percentage
1. Personnel	3,444	0	3,444	100%
2. Fringe Benefits	469	0	469	100%
3. Travel	0	0	0	
4. Equipment	0	0	0	
5. Supplies	0	0	0	
6. Contractual	241,759	10,101	241,759	100%
7. Construction	0	0	0	
8. Other	0	0	0	
9. Indirect Expenses	4,328	0	4,328	100%
Totals	250,000	10,101	250,000	100%

b. Other significant project activities

- None

6. OTHER SIGNIFICANT ACTIVITIES

- The WRAP Board adopted a Strategic Plan for the WRAP organization on their March conference call. WESTAR/WRAP is now focused on developing a comprehensive technical work action plan. The structure of the action plan was discussed at the April WESTAR/WRAP meetings and will be completed and approved by the membership in the 2nd quarter 2015. It will provide a clear framework within which technical projects and activities will be conducted in future years. In part, this framework will help the members identify the work that can be done with the assets and resources currently available, as well as the work that needs to be done to meet member needs. It is envisioned that the WESTAR/WRAP technical action plan will fold into, and be an integral part of WESTAR/WRAP's strategic plan.
- The annual audit of WESTAR/WRAP's financial statements was conducted during the quarter. No significant issues were uncovered, however the auditor found that the WESTAR's procedures for year-end accounting adjustments and accruals were not followed. An action plan was developed and has been implemented to insure that the procedure is followed at the end of the current year.
- WESTAR staff briefed the Staff Council of the Western Governors Association on key issues related to ozone transport issues, and transport issues in general, in the western U.S.

7. CONSOLIDATED EXPENSE SUMMARY

Cumulative Expenses by Object Class and Funding Source through 3/31/2015 All Active Accounts

	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	105,443	27,098	8,833	3,444	14,982	811,316
2. Fringe	155,844	23,390	4,433	1,401	469	2,326	187,862
3. Travel	523,987	29,136	1,722	3,187	0	1,829	559,861
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	165,583	241,759	122,320	1,421,470
7. Construction	0	0	0	0	0	0	0
8. Other	361,871	41,906	1,603	1,408	0	4,866	411,654
9. Indirect	446,455	119,695	30,181	10,046	4,328	16,686	627,391
Cumulative Expenses	2,253,294	319,569	843,223	190,457	250,000	163,010	4,019,553
Budget	2,428,647	2,761,500	951,373	441,095	250,000	240,000	7,072,615
Balance Avail	175,353	2,441,931	108,150	250,638	0	76,990	3,053,062

¹ \$165,573 drawn from advance for contractor expenses

**Current Quarter Expenses by Object Class and Funding Source
January 1 – March 31, 2015
All Active Accounts**

Object Class	EPA	EPA	NPS	BLM/JFSP	BLM/API	BLM	Totals
	Core Grant 2011-2013	Core Grant 2014-2017	Task 2 3-State	PMDETAIL	Drill Rig NO2 Field Study	Air Quality Modeling	
1. Personnel	0	44,130	10,531	2,851	0	3,594	61,106
2. Fringe Benefits	0	9,768	1,832	495	0	627	12,722
3. Travel	6,635	12,648	816	561	0	0	20,659
4. Equipment	0	0	0	0	0	0	0
5. Supplies	0	0	0	0	0	0	0
6. Contractual	0	0	0 ¹	18,470	10,101	91,940	120,511
7. Construction	0	0	0	0	0	0	0
8. Other	0	3,292	563	266	0	123	4,244
9. Indirect	0	49,926	11,830	3,174	0	4,057	68,986
Total Expenses	6,635	119,763	25,572	25,816	10,101	100,340	288,228

¹ \$160,634 drawn from advance for contractor expenses during this reporting period