

## **2018-2019 WRAP Workplan Oil and Gas Work Group Status Report**

**Final - February 20, 2018**

The Oil and Gas Work Group will focus on analysis and planning activities related to improve activity data to support emissions inventories for oil and gas emissions, and begin scoping work to assess the present and range of future year scope of emissions management programs by the variety of regulatory jurisdictions within the WESTAR-WRAP region, by agency. The OGWG will coordinate among state, tribal, local, and federal member agencies' Oil & Gas programs, including review of modeling, monitoring, and control program assessment studies for Oil & Gas emissions. Several of these activities involve close coordination with other WRAP Work Groups as described in the OGWG Workplan (see Appendix E).

The WRAP Workplan set up topical Work Groups including the Oil and Gas Work Group to “*promote understanding of the role of oil and gas in regional and local air quality plans.*” The WRAP Workplan also identified the following with respect to the topic of oil and gas.

*“The Intermountain Region is especially impacted by exploration and production emissions from the oil and gas industry, and the West more broadly by emissions from the transport and use of those fuels. NAAQS exceedances during winter in production regions of Utah and Wyoming have demonstrated localized effects, while the contributions from exploration and production in the wider region on summer ozone is still being assessed. In addition, this sector must be considered for Regional Haze planning. Studies currently point to improvements in the emissions inventory as being one of the most needed products to improve performance of the air quality models. Current projects and funding opportunities make improvements in these areas likely in the 2016-17 timeframe. This is a rapidly changing sector due to variations in commodity prices, technology innovations, and emerging regulatory programs.”* - Annual WRAP Workplan approved by the WRAP Board May 9, 2016

### Duties and WRAP Staff Support

In consultation with the Co-Chairs from the Oil and Gas Work Group (OGWG), the Technical Steering Committee (TSC) will review and seek WRAP Board (Board) approval of a written workplan to address and include all the elements for each Work Group, specific to OGWG as described in Section I of the Annual WRAP Workplan. Based on these elements, the OGWG is then charged with creating detailed workplan inputs to the WRAP annual workplan for achieving these objectives. The OGWG workplan will include a schedule for progress reports to the TSC (quarterly and annual summary) and a schedule for project completion. The OGWG will work with WRAP staff to have progress reports posted to the WRAP website. The OGWG and other Work Groups are responsible for translating technical materials into a form understandable by the TSC, Board, and general public. The OGWG has the additional responsibility for ensuring the best information and data are available for air quality planning across the region, with WRAP Staff support.

The OGWG will have conference calls on alternating months to manage activities and provide oversight to WRAP projects. The OGWG will provide inputs to the TSC for an annual WRAP workplan and budget for Board approval, covering technical projects and Work Groups. The OGWG may have meetings identified in the annual workplan. The OGWG Co-Chairs will plan and direct the calls and meetings, and with assistance from WRAP Staff, take the lead in communications and other necessary TSC and Board interaction.

WRAP Staff will provide support for OGWG calls and meetings. WRAP Staff will assist with arranging and documenting OGWG calls and meetings, prepare TSC workplan inputs and budgets for review and action, assist with status reports on the OGWG's activities, and provide status reports on the deliverables, budgets, and timelines for the WRAP's technical projects.

### Processes

The OGWG is to conduct their business on a consensus basis. Consensus has the following parameters:

- Consensus is agreement.
- Consensus is selection of an option that everyone can live with.
- Consensus may not result in the selection of anyone's first choice, but everyone is willing to support the choice.
- Consensus is not a majority vote.

When the OGWG cannot reach a consensus on an issue it will be referred to the TSC. If the TSC cannot reach a consensus on the issue it will be referred to the WRAP for resolution.

### Coordination

Through the TSC, the OGWG will coordinate with the following work groups and committees as needed to ensure activities conducted in WRAP projects, and under the auspices of the OGWG provide needed support:

1. Tribal Data Work Group (TDWG);
2. Regional Technical Operations Work Group (RTOWG);
3. Fire and Smoke Work Group (FSWG);
4. Regional Haze Planning Work Group (RHPWG);
5. WESTAR Planning Committee;
6. WESTAR Technical Committee; and
7. Other groups as designated by the Board in the annual Workplan process.

### OGWG Structure

The OGWG Co-Chairs were designated by the TSC and approved by the WRAP Board to lead and execute the Workplan objectives associated with the OGWG. OGWG members have applicable oil and gas expertise and provide appropriate geographic representation from the WRAP member agencies (state, tribal, local, federal) to the greatest extent possible. OGWG members will be approved by the TSC. All OGWG Co-Chairs and members are appointed for two-years. Additional individuals with applicable oil and gas expertise will be encouraged to participate in the OGWG as advisors. The OGWG structure, including identification of Co-Chairs, members, and advisors is attached and will be updated as necessary.

### Project Teams

Project Teams are intended to enable non-members of the WRAP to express interest and sponsor analysis or planning projects within the scope and topics of the WRAP Charter and Strategic Plan. Project Teams will be associated with a discrete, defined project for which the non-member sponsor is providing funding and expertise resources. The Project Teams are intended to allow sponsor participation and will include members of WRAP Work Groups and TSC, WRAP Staff, and non-member sponsors. Information will be included in the Annual Workplan to define the scope, membership and duration of each Project Team.

Project Teams that may be beneficial to the OGWG as future funding allows:

- Continue the Drill Rig 1-hour NO<sub>2</sub> Collaborative Study
- Implement the Collaborative Air Landscape-Scale Management Pilot (CALM) Study – Oil and Gas development impacts in the intermountain west

Project Team Update:

- CALM Study  
The CALM Study is awaiting federal funding for implementation.
- Drill Rig 1-hour NO<sub>2</sub> Collaborative Study  
The purpose of this Study is to collect ambient measurements adjacent to operating drilling rigs to evaluate actual 1-hour NO<sub>2</sub> impacts from drilling operations. In addition, sufficient data would be collected regarding emissions from drilling operations that could be used to verify NO<sub>2</sub> air quality models. The data were collected during two field studies in the fall of 2014. One field study was conducted in the Denver-Julesburg Basin of Colorado and the other was conducted on the north slope of Alaska.

To provide direction and guidance for the Study, the Study participants formed a Study Management Team involving the BLM, EPA OAQPS, Wyoming DEQ, and API. WESTAR and WRAP provide overall administrative and other assistance to the Study Management Team. The Study Management Team has continued efforts to seek additional funding for contractor assistance with the Study and additional funding was secured in 2017. Continued contractor assistance through WESTAR will provide for general study coordination and data analysis coordination.

A Model Evaluation Workgroup was formed to further process the Alaska and Colorado field studies data and to conduct the modeling to assess model performance. EPA is providing leadership for two functional Working Groups that have been active since late 2015 to review, analyze, and reformat the field studies data, which will be followed by dispersion modeling to assess model performance compared to the collected ambient data. With the additional funding, consulting services will assist the work of the Working Groups.

Once the work of the Working Groups is complete, they will summarize and document findings and conclusions, perhaps in technical journal articles, and then submit recommendations to the EPA for making improvements to applicable regulatory dispersion models. Available funding is anticipated to provide Study support through mid-2018.

2016-2017 OGWG Activity Summary

The OGWG formation began in 2016 by seeking members and advisors with oil and gas expertise from the WRAP member agencies (state, tribal, local, federal) and culminated with the TSC approval of OGWG members February 9, 2017. The OGWG formation also involved development of the OGWG 2017 Workplan, which was approved by Consensus January 10, 2017. The OGWG conducted ten (10) conference calls in 2016-2017 with an average of 14 participants including OGWG co-chairs, members, and advisors, WRAP staff, TSC and RHPWG co-chairs, and contractors. Progress on 2017 OGWG Workplan Tasks is captured in the deliverables table below.

Oil & Gas Work Group	2017 Deliverable	Source	Funding	Timeline	2017 Progress
	Develop communication plan to distribute Oil and Gas Work Group work products	Workgroup	In-kind work, WRAP Budget SharePoint Development	2 <sup>nd</sup> Quarter 2017	Complete/Ongoing: <a href="http://www.wrapair2.org/OGWG.aspx">www.wrapair2.org/OGWG.aspx</a> Materials posted include call agendas, call notes, pertinent documents, finalized work products, and upcoming call dates
	Identify Oil and Gas Work Group action items that will require coordination with WRAP and WESTAR work groups and committees	Workgroup	In-kind work	2 <sup>nd</sup> Quarter 2017	Ongoing: -Aug. & Sept. '17 OGWG Conf. Calls w/ RHPWG Co-Chairs -Identify coordination need(s) for 2018-2019 tasks
	Oil and Gas Work Group Scope: Identify Oil and Gas sources for the entire upstream and midstream sectors Identify WRAP member agencies dealing with oil and gas sources	Workgroup	In-kind work	2 <sup>nd</sup> Quarter 2017	Complete: -Oct. '17 Oil and Gas Emission Sources approved by Consensus -June '17 identified WRAP Member Agencies
	Review Oil and Gas Specific Workproducts: review existing workproducts to identify and discuss relevance, strengths, areas for improvement, and gaps	Workgroup will initiate and continue to explore if additional assistance is necessary	Initiate in-kind work and continue to explore if funding is necessary	4 <sup>th</sup> Quarter 2017	Underway: Incorporated into Road Map Scope of Work approved by Consensus Oct. '17 for contracted support
	Identify regional and local air quality planning needs: Regional Haze, Ozone, Climate Change, Hazardous Air Pollutants, and Other Air Pollution Indicators	Workgroup will initiate and continue to explore if additional assistance is necessary	Initiate in-kind work and continue to explore if funding is necessary	4 <sup>th</sup> Quarter 2017	Ongoing through coordination with TSC and RHPWG