



Oil and Gas Work Group 2017 Workplan January 10, 2017

Work Group Final Approved by Consensus

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. WESTAR Regional Haze Planning Work Group;
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 NO₂ Collaborative Study
- Implement the Collaborative Air Landscape-Scale Management Pilot (CALM) Study – Oil and Gas development impacts in the intermountain west

Action Items for Workplan

- I. OGWG Management
 - a. Determine work group size, geographic representation, member agency representation
 - b. OGWG requesting participation of members or advisors
 - c. Schedule of monthly (bi-monthly) meetings
 - d. Quarterly reports to TSC
 - e. Yearly accomplishment narrative to TSC and WRAP board
 - f. Schedule for work project completion with milestones of progress
 - g. Develop communication plan to distribute OGWG work products
 - h. Identify OGWG action items that will require coordination with WRAP and WESTAR work groups and committees
- II. OGWG Scope
 - a. Identify Oil and Gas sources for the entire upstream and midstream sectors
 - b. Identify WRAP member agencies dealing with oil and gas sources
- III. Member Agency Oil & Gas Programs
 - a. Provide information on existing programs
 - i. Identify permitting and registration requirements
 - ii. Identify emissions management requirements
 - iii. Identify emissions inventory requirements
 - iv. Identify modeling requirements
 - v. Identify monitoring requirements
 - b. Identify and discuss information strengths, areas for improvement, and gaps
 - c. Discuss needs of agencies without existing programs
 - d. Develop a basic oil and gas program example
- IV. Oil & Gas Emissions Inventory
 - a. Identify regional and local air quality planning needs
 - i. Regional Haze
 - ii. Ozone: NAAQS, background, transport
 - iii. Climate Change (methane emissions)

- iv. Hazardous Air Pollutants
 - v. Other air pollution indicators
 - b. Identify emission factors and speciation profiles for oil and gas sources: national, regional, local
 - c. Identify and discuss emissions inventory strengths, areas for improvement, and gaps
 - d. Implement regionally-consistent emissions inventories
 - e. Identify projection methodologies
 - f. Implement regionally-consistent future year projections
 - g. Make technical improvements to emissions inventories
- V. Oil & Gas Modeling Studies
 - a. Identify regional and local air quality planning needs
 - i. Regional Haze
 - ii. Ozone: NAAQS, background, transport
 - iii. Climate Change (methane emissions)
 - iv. Hazardous Air Pollutants
 - v. Other air pollution indicators
 - b. Identify existing impact analysis
 - c. Identify regional and local air quality planning needs
 - d. Identify and discuss modeling strengths, areas for improvement, and gaps
 - e. Determine present and range of future year oil and gas contributions
- VI. Oil & Gas Monitoring Studies
 - a. Identify regional and local air quality planning needs
 - i. Regional Haze
 - ii. Ozone: NAAQS, background, transport
 - iii. Climate Change (methane emissions)
 - iv. Hazardous Air Pollutants
 - v. Other air pollution indicators
 - b. Identify existing monitoring studies
 - c. Identify regional and local air quality planning needs
 - d. Identify and discuss monitoring strengths, areas for improvement, and gaps
- VII. Oil & Gas Emissions Management
 - a. Identify existing emissions management requirements: state, tribal, local, federal
 - b. Identify proposed emissions management requirements: state, tribal, local, federal
 - c. Identify and discuss potential requirement overlap and authority concerns
- VIII. OGWG Administration
 - a. Development of budgets for projects
 - b. Travel budget proposal for WRAP twice yearly meeting
 - c. Summary budget for OGWG activities
 - d. Write annual OGWG workplan

Action Items for 2017 Workplan

- I. OGWG Management
 - a. Determine work group size, geographic representation, member agency representation
 - b. OGWG requesting participation of members or advisors
 - c. Schedule of monthly (bi-monthly) meetings
 - d. Quarterly reports to TSC
 - e. Yearly accomplishment narrative to TSC and WRAP board
 - f. Schedule for work project completion with milestones of progress
 - g. Develop communication plan to distribute OGWG work products
 - h. Identify OGWG action items that will require coordination with WRAP and WESTAR work groups and committees
- II. OGWG Administration
 - a. Development of budgets for projects
 - b. Travel budget proposal for WRAP twice yearly meeting
 - c. Summary budget for OGWG activities
 - d. Write annual OGWG workplan
- III. OGWG Scope
 - a. Identify Oil and Gas sources for the entire upstream and midstream sectors
 - b. Identify WRAP member agencies dealing with oil and gas sources
- IV. Review Oil and Gas Specific Workproducts
 - a. Review existing workproducts to identify and discuss relevance, strengths, areas for improvement, and gaps
 - i. Western Regional Air Partnership
 - ii. National Oil and Gas Emissions Committee Information Repository
 - iii. National Oil and Gas Emissions Analysis Project
 - iv. Intermountain West Data Warehouse – Western Air Quality Study
 - v. Other relevant workproducts
- V. Identify regional and local air quality planning needs
 - a. Regional Haze
 - b. Ozone: NAAQS, background, transport
 - c. Climate Change (methane emissions)
 - d. Hazardous Air Pollutants
 - e. Other air pollution indicators

Budget

WRAP only has funds for OGWG conference call support, SharePoint development, and minimal travel reimbursements for the co-chairs to attend Technical Steering Committee working meetings.

FUNDING NEED	FUNDING REQUEST
Conference Call Support	WRAP Budget
SharePoint Development	WRAP Budget
Co-Chair Attendance at TSC Working Meetings, 2 per year @ \$1,200 each	