

September 2, 2016

MEMORANDUM

To: Tom Moore, WESTAR
 From: John Grant, Amnon Bar-Ilan
 Subject: National O&G Inventory Analysis: August Progress

Below is a summary description of progress made on the subject project during August 2016.

TASK 1. NATIONAL INVENTORY ANALYSIS

- 1) **NEI 2014 v1 Data Gathering:** Developed memo on data needs which was provided to EPA. EPA subsequently made available 2014 NEI v1 point source emissions and the EPA O&G Tool v1.5. EPA is expected to make the 2014 NEI v1 area source emissions available upon release of the complete 2014 NEI v1 (expected release in mid-September).
- 2) **Point O&G Sources:**
 - a) Extracted O&G emissions from the 2014 NEI v1 point source emission inventory.
 - b) Began reviewing state-level point source emissions (in progress).
 - i) Emissions by NAICS
 - ii) Emissions by SCC
 - iii) Comparison of emissions to state-level O&G production
 - c) Developed a brief survey to query information about the types of O&G point source emissions submitted by state/local/tribal (S/L/T) agencies to the 2014 NEI. The responses to this survey will be helpful to understanding the extent of small midstream sources not included in the 2014 NEI v1. The status of this request as of September 2, 2016 is provided below.

Surveys Sent / Responses Received	
Surveys sent to individual S/L/T Agencies on 8/31 and 9/1 by Mark Gibbs (OKDEQ)	28 surveys
Responses received as of 9/2	10 responses
Response Results Summary	
Respondent indicates that only Title V (AERR Type B) sources were reported	4 responses
Respondent indicates that Title V (AERR Type B) and additional minor sources were reported (Minor source thresholds provided)	6 responses (3 of 6 responses)

3) **Nonpoint O&G Sources:**

- a) Began analysis of O&G Tool (in progress)
 - i) Comparison of O&G nonpoint sources in the O&G Tool versus sources included in GHGRP Subpart W.
 - ii) Comparison of state-level O&G activity reported in the O&G Tool versus state-level O&G activity reported in IHS Enerdeq and state oil and gas commissions.
 - iii) Determination of input factor data references for select states.

TASK 2. REGIONAL ANALYSIS

Ramboll Environ has not yet begun work on this task.