

This Readers Guide provides an explanation of the various fields in the OGMP 2015 public company reports. For details on the OGMP, see Section 1 of this report.

## INTRODUCTION

Partner companies provided information to give context to their 2015 OGMP report.

## SCOPE OF PARTICIPATING ASSETS AND EMISSIONS SURVEY PROGRESS

This section presents the share of operated and total assets<sup>1</sup> that Partners have included in their OGMP participation, and the extent to which those assets have been subject to OGMP Emission Surveys during the reporting year. In 2015, all partners who conducted Emissions Surveys did so for all of their participating assets. Partner companies calculate this metric according to produced volumes or throughput volumes of oil and gas, following a standard methodology developed by OGMP.

## PROGRESS IN MITIGATING METHANE EMISSIONS

Mitigating methane emissions involves several steps. Completion of an Emissions Survey for each participating asset is a key first step, and entails identifying the presence of each of the nine core OGMP sources (and, potentially, additional sources as the company's option). For each source that is found to be present, the following information is provided in the public company report:

- **MITIGATION PROGRESS** shows the extent to which each source has been mitigated, both as a part of OGMP participation and prior to joining the program. Showing mitigation action both within and prior to joining the OGMP allows for the recognition of earlier

action that a company has taken to minimize methane emissions. While mitigation does not mean methane emissions are zero, it does signify that there may be few or no opportunities for further methane emission reductions for that source. Conversely less than 100% mitigation indicates that specific additional emission-reduction opportunities may be available such as those as described in OGMP's Technical Guidance Documents.

*Specific Interpretation Guidance:* As noted in each report, mitigation action for Fugitive Equipment and Process Leaks (via "Directed Inspection and Maintenance" or DI&M programs) must happen on an annual basis for the source to count as mitigated. Therefore, all Fugitive mitigation shows as occurring "within the program," even if the practice was in place prior to joining OGMP.

- **TOTAL NUMBER OF SOURCES IDENTIFIED AS PRESENT** indicates the actual number of equipment or component sources or emissions events identified in Emission Surveys. The exception is Fugitive Equipment and Process Leaks, for which the "source" is counted on an asset-wide basis, so the number of sources indicates the number of assets counted within the Emission Surveys (see Section 1 for discussion of what constitutes an asset).
- **EMISSIONS REDUCED UNDER THE PROGRAM** indicates the emission reductions achieved from voluntary or regulatory action on the part of the Partner company during its participation in the OGMP.

<sup>1</sup> See Section 1 for a definition of the term "asset." Operated assets refers to assets for which the company is the operator, even if it owns only a part of the asset. Total assets refers to the company's share in various assets, including those for which the company is not the operator.

Ultimately this metric will be measured by 1) annual reporting year and 2) cumulative reductions achieved within the OGMP. As 2015 is the first year of reporting, the reporting year and cumulative numbers are the same for this year's reports.

*Specific Interpretation Guidance:* In general, sources identified as "mitigated within the program" will show corresponding emission reductions, and sources identified as "mitigated prior to the program" or "unmitigated" will not. In 2015 there are several exceptions to this for the Fugitive Equipment and Process Leaks category. In one case, emission reductions are identified for a source that is shown as 100% unmitigated. In this instance, mitigation steps have been taken and the source is expected to be "mitigated" in the next year's reporting. For two other companies, this source category is showing as fully mitigated within the program, but with no corresponding emission reductions. This is because the mitigation action for Fugitive Equipment and Process Leaks ("Directed Inspection and Maintenance" or DI&M programs) may not have identified any leaks, or may have identified leaks that the company deemed not worth quantifying.

## **MITIGATING ACTIONS BY SOURCE**

This section lists the mitigation technologies and practices implemented by the Partner company, both historically and during its participation in the OGMP. The purpose of showing historical and current mitigation methods is to provide transparency on trends in methane mitigation. This information also serves as a means of capacity building: companies that have not mitigated that source can see which companies have already done so, and seek information from their peers on best practices and lessons learned. More detailed descriptions of these actions are found in OGMP's Technical Guidance Documents.

## **METHODOLOGY(IES) USED TO QUANTIFY UNMITIGATED EMISSIONS**

For sources that are found to be unmitigated, OGMP partners quantify the methane emissions in order to evaluate that source for mitigation feasibility.<sup>2</sup> OGMP has developed Technical Guidance Documents that provide partner companies a number of options for quantifying methane emissions, including emission factors, engineering calculations, software tools, and direct measurement. Generally, these range from the easiest to implement but with the highest uncertainty (emission factors) to the most difficult to implement but with the greatest accuracy (direct measurement). Disclosing the quantification methods used provides context for Partner companies' participation in the OGMP and data on trends in quantification methods implemented for different sources. More detailed descriptions of these methodologies are found in OGMP's Technical Guidance Documents.

## **METHANE EMISSION REDUCTIONS UNDER THE PROGRAM**

This section shows relative levels of emission reductions achieved under the OGMP program in graph form. Ultimately this metric will show 1) annual reporting year and 2) cumulative reductions achieved within the OGMP. As noted above, 2015 is the first year of reporting, so the annual and cumulative numbers are the same for this year's reports.

## **BACKGROUND**

Partner companies provided information to give context on their company overall.

---

<sup>2</sup> Emissions levels calculated for unmitigated sources are not included in the public reports.