

SUPPLEMENTAL QUESTIONNAIRE

R.15-01-008 2022 Annual Report

[SoCalGas]

Rulemaking (R.) 15-01-008 to Adopt Rules and Procedures Governing Commission Regulated Natural Gas Pipelines and Facilities to Reduce Natural Gas Leaks Consistent with Senate Bill 1371, Leno.

In partial fulfillment of Rulemaking (R.) 15-01-008 to Adopt Rules and Procedures Governing Commission Regulated Natural Gas Pipelines and Facilities to Reduce Natural Gas Leaks Consistent with Senate Bill 1371, Leno.

In Response to Data Request R15-01-008 2022 Annual Report

Date: [6/15/22]

The following data have been prepared to comply with Senate Bill 1371 (Leno, 2014), Section 2, Article 3, Order Instituting Rulemaking (OIR) 15-01-008, and to provide responses to Data Request R. 15-01-008 2022 Annual Report.

- 1. A summary of changes to utility leak and emission management practices from January 1, 2021 to December 31, 2021. The report must include a detailed summary of changes, including the reasoning behind each change and an explanation of how each change will reduce methane leaks and emissions.**

Response:

Blowdown:

SoCalGas continues its efforts to increase the capabilities of the centralized Operations Team responsible for high-pressure pipeline blowdown reduction activities through procurement and implementation of cross compressions and gas capture technologies. SoCalGas also revised internal policies, and improved planning and coordination by Project Managers and Planners have resulted in decrease of average volume of planned high pressure blowdown events. Moreover, SoCalGas bundled work on high-pressure lines when it was practical and safe to do so, and coordinated blowdown reduction for high-pressure projects across departments.

Distribution Main & Services:

SoCalGas increase the effort to reduce leak inventory. In 2021, SoCalGas achieved 24 months leak inventory, meaning no leak older than 24 was carried to 2022. Additionally, SoCalGas increased the capabilities of the Decision Tree (DT) approach. The DT approach helped in identifying large emitting leaks and accelerating their repairs time based on their measured flow. Leaks that meet the DT criteria were accelerated to be repaired within 3 months rather than 24 months. SoCalGas also replaced 140 miles of non-state-of-the-art pipe, including 43 miles of unprotected steel and 97 miles of early vintage plastic pipe.

- 2. A list of new graded and ungraded gas leaks discovered, tracked by geographic location in a Geographic Information System (GIS) or best equivalent, by grade, component or equipment, pipe size, schedule and material, pressure, age, date discovered and annual volume of gas leaked for each, by month, from January 1, 2021 through December 31, 2021.**

Response:

Please refer to the following attachments:

- Appendix 1 - Transmission Pipelines
- Appendix 2 - Transmission M&R Stations
- Appendix 3 - Compressor Stations
- Appendix 4 - Distribution Mains Services
- Appendix 5 – Distribution M&R Stations
- Appendix 6 - MSA Systems
- Appendix 7 - Storage Facilities

- 3. A list of graded and ungraded gas leaks repaired, tracked by geographic location in a Geographic Information System (GIS) or best equivalent, by month, from January 1, 2021 through December 31, 2021. Include the grade, component or equipment, pipe size, schedule and material, pressure, age, date discovered, date of repair, annual volume of gas leaked for each and the number of days from the time the leak was discovered until the date of repair.**

Please refer to the following attachments:

- Appendix 1 - Transmission Pipelines
- Appendix 2 - Transmission M&R Stations
- Appendix 3 - Compressor Stations
- Appendix 4 - Distribution Mains Services
- Appendix 5 – Distribution M&R Stations
- Appendix 6 - MSA Systems
- Appendix 7 - Storage Facilities

- 4. A list of ALL open graded and ungraded leaks, regardless of when they were found, tracked by geographic location in a Geographic Information System (GIS) or best equivalent that are being monitored, or are scheduled to be repaired, by month, from January 1, 2021 through December 31, 2021. Include the grade, component or equipment, pipe size, schedule and material, pressure, age, date discovered, scheduled date of repair, and annual volume of gas leaked for each.**

Please refer to the following attachments:

- Appendix 1 - Transmission Pipelines
- Appendix 2 - Transmission M&R Stations
- Appendix 3 - Compressor Stations
- Appendix 4 - Distribution Mains Services
- Appendix 5 – Distribution M&R Stations
- Appendix 6 - MSA Systems
- Appendix 7 - Storage Facilities

- 5. System-wide gas leak and emission rate data, along with any data and computer models used in making that calculation, for the 12 months from January 1, 2021 through December 31, 2021.**

Response:

Please refer to SCG – 2021 Annual Report Appendix 8 (Template Summary).

6. Calculable or estimated emissions and non-graded gas leaks, as defined in Data Request [SoCalGas] R15-01-008 2018 Annual Report for the 12 months from January 1, 2021 through December 31, 2021.

Response:

SoCalGas interprets this question as requesting emissions of unknown leaks. Please refer to the "Unknown Leaks" tab in Appendix 4 – Distribution Main Services attachment