



Wild Goose Storage, LLC
A Rockpoint Gas Storage Company

PO Box 8, 2780 West Liberty Road
Gridley, California 95948
T 530.846.7351
rockpointgs.com

June 14, 2024

Mr. Gary Ermann
Safety Policy Division
California Public Utilities Commission
505 Van Ness Ave.
San Francisco, CA 94102
Gary.Ermann@cpuc.ca.gov

VIA ELECTRONIC MAIL

RE: Wild Goose Storage, LLC
R15-01-008 2024 Annual Report

Dear Mr. Ermann:

Wild Goose Storage, LLC (WGS) respectfully submits this 2024 Annual Report to the California Public Utilities Commission (CPUC) pursuant to R15-01-008. The attached 2024 Annual Report is comprised of this cover letter and the following documents:

- Supplemental Questionnaire R.15-01-008 2024 Annual Report
- Appendix 1 – Transmission Pipelines
- Appendix 7 – Underground Storage
- Appendix 8 – Summary Tables

If you have any questions, or require more information, please contact me at greg.clark@rockpointgs.com or at (209) 368-9277 x3.

Sincerely,

DocuSigned by:
A handwritten signature in black ink that reads 'Greg Clark'.
5A3122A4501D4A7...

Gregory N. Clark
Senior Compliance Manager

Enclosures (Supplemental Questionnaire, Appendix 1, Appendix 7, Appendix 8)

cc: C. Fehrenbacher (Christian.Fehrenbacher@arb.ca.gov)
A. Mrowka (Andrew.Mrowka@arb.ca.gov)
A. Anderson, J. Bartlett, G. Bozarth, M. Fournier, G. Salazar (via e-mail)

SUPPLEMENTAL QUESTIONNAIRE

R.15-01-008, 2024 Annual Report

Wild Goose Storage, LLC

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, 2024 Annual Report

Date: 6/14/24

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, 2024
Annual Report.

1. Please provide the following for the period from January 1, 2023 to December 31, 2023:
 - a. Describe any current projects or studies related to SB 1371.
 - b. Describe the activity changes between the previous year's reporting and the current year's reporting that affected the change in the total emissions. For example, changes in maintenance activities may have changed blowdown emissions from previous years and resulted in changes to total emissions.
 - c. Describe advances in abatement efforts, similar to the executive summary in the best practices reporting.
 - d. Describe improvements in reporting that are not discernable by reviewing the reporting data. For example, report the installation of a new data management or leak tracking system.
 - e. For smaller utilities, confirm if there were no leaks in distribution mains and services pipelines.
 - f. Identify any additional tables to be included in the Joint Report. Staff will place these tables in an appendix.
2. Does the utility propose a 2015 baseline adjustment or emission factor change? If so, please describe. Can the utility adhere to the following timeline:
 - a. Solicit Baseline Proposals: February 5 through April 30, 2024.
 - b. Agency Review Meetings: April 30 through July 31, 2024.
 - c. Final Decision by August 31, 2024.

Response:

1. The specific elements of the supplemental questionnaire data request are provided as follows:
 - a. Wild Goose Storage, LLC (WGS) did not have any projects or studies related to SB 1371 during the 2023 calendar year.
 - b. WGS experienced an increase in compressor runtime hours from 22,558 during the 2022 calendar year to 32,384 during the 2023 calendar year. Despite this increase in compressor runtime hours, overall compressor vented emissions decreased year over year by 55 MCF due to the installation of low emissions packing on select compressors.
 - c. WGS has continued implementation of SB 1371 Best Practices during the 2023 calendar year, with the intent of minimizing methane emissions to the environment.

- d. N/A – WGS did not implement improvements that are not discernable by reviewing the reporting data.
 - e. N/A – WGS does not own or operate any distribution pipelines.
 - f. N/A – WGS did not include any additional tables in its R15-01-008 Annual Report. Please note that Appendix 1, Appendix 7, and Appendix 8 have been included as part of the R15-01-008 Annual Report.
2. N/A – Wild Goose Storage, LLC (WGS) is not proposing a 2015 baseline adjustment or emission factor change.

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 - 2024 June Report
Appendix I; Rev. 03/29/2024

Emissions included in the Report are based on miles of transmission pipeline. Therefore provide the miles of transmission pipeline in your system here. The following data on transmission pipeline leaks is **for information purposes** and will not be used to report transmission pipeline leak emissions this year. Use a formula-derived value with the formula used in the Annual Emissions column. Do not use a copy and paste-a-value. At the end of Annual Emissions Column, add a summation total in a cell for a column total, and then highlight orange.

| ID | Geographic Location | Pipe Material | Pipe Size (nominal) | Pipe Age (months) | Pressure (psi) | Leak Grade | Above Ground or Below Ground | Discovery Date (MM/DD/YY) | Repair Date (MM/DD/YY) | Scheduled Repair Date (MM/DD/YY) | Reason for Not Scheduling a Repair | Number of Days Leaking | Emission Factor (Mscf/Day) | Annual Emissions (Mscf) | Explanatory Notes / Comments |
|----|---------------------|---------------|---------------------|-------------------|----------------|------------|------------------------------|---------------------------|------------------------|----------------------------------|------------------------------------|------------------------|----------------------------|-------------------------|------------------------------|
|----|---------------------|---------------|---------------------|-------------------|----------------|------------|------------------------------|---------------------------|------------------------|----------------------------------|------------------------------------|------------------------|----------------------------|-------------------------|------------------------------|

| | |
|-----------|---|
| Sum total | 0 |
|-----------|---|

Wild Goose Storage, LLC, June 14, 2024

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 - 2024 June Report

Appendix 1; Rev. 03/29/2024

Notes:

Use a formula-derived value with the formula used in the Annual Emissions column. Do not use a copy and paste-as-value.

At the end of Annual Emissions Column, add a summation total in a cell for a column total, and then highlight orange

Transmission Pipeline Damage (3rd party dig-ins, natural disasters, etc.):

| ID | Geographic Location | Damage Type | Pipe Material | Pipe Size (nominal) | Pipe Age (months) | Pressure (psi) | Leak Grade | Above Ground or Below Ground | Discovery Date (MM/DD/YY) | Repair Date (MM/DD/YY) | Number of Days Leaking | Emission Factor (Mscf/Day) | Annual Emissions (Mscf) | Explanatory Notes / Comments |
|---|---------------------|-------------|---------------|---------------------|-------------------|----------------|------------|------------------------------|---------------------------|------------------------|------------------------|----------------------------|-------------------------|------------------------------|
| The transmission pipeline did not incur any form of damage during the period January 1 - December 31, 2023. | | | | | | | | | | | | Sum total | 0 | |

Wild Goose Storage, LLC, June 14, 2024

**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 - 2024 June Report
Appendix 1; Rev. 03/29/2024**

Notes:

Use a formula-derived value with the formula used in the Annual Emissions column. Do not use a copy and paste-as-value.

At the end of Annual Emissions Column, add a summation total in a cell for a column total, and then highlight orange.

The emissions reported under the column Methane Abatement (Mscf) are for information purposes only, and should be seperated from the emissions reported under the column for Annual Emissions (Mscf).

Transmission Pipeline Blowdowns:

| ID | Geographic Location | Number of Blowdown Events | Reason | Emission Reduction Strategy | Annual Emissions (Mscf) | Explanatory Notes / Comments | Methane Abatement (Mscf) |
|----|---------------------|---------------------------|--------|-----------------------------|-------------------------|------------------------------|--------------------------|
|----|---------------------|---------------------------|--------|-----------------------------|-------------------------|------------------------------|--------------------------|

There were no transmission pipeline blowdowns during the period January 1 - December 31, 2023.

Total

0

Wild Goose Storage, LLC, June 14, 2024

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 - 2024 June Report
Appendix 1; Rev. 03/29/2024

Notes:
Use a formula-derived value with the formula used in the Annual Emissions column. Do not use a copy and paste-as-value.
At the end of Annual Emissions Column, add a summation total in a cell for a column total, and then highlight orange
The emissions captured on this tab represent the emissions associated with the operational design and function of the component. Any intentional release of natural gas for safety or maintenance purposes should be included in the Blowdowns worksheet.

Transmission Pipeline Component Vented Emissions:

| Total Number of Devices | Device Type | Bleed Rate | Manufacturer | Emission Factor (Mscf/day) | Annual Emission (Mscf) | Explanatory Notes / Comments |
|----------------------------|----------------|------------|--------------|-------------------------------|---------------------------|------------------------------|
|----------------------------|----------------|------------|--------------|-------------------------------|---------------------------|------------------------------|

There were no transmission pipeline component vented emissions during the period January 1 - December 31, 2023.

| | |
|-----------|---|
| Sum total | 0 |
|-----------|---|

Wild Goose Storage, LLC, June 14, 2024

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In Response to Data Request, R15-01-008 - 2024 June Report
Appendix 1; Rev. 03/29/2024

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Use a formula-derived value with the formula used in the Annual Emissions column. Do not use a copy and paste-as-value.
At the end of Annual Emissions Column, add a summation total in a cell for a column total, and then highlight orange
The emissions captured on this tab represent the emissions associated unintentional leaks that if repaired would not leaking. If the component is releasing gas or "bleeding" as a result of its design or function then it is not to be captured in this tab.

Transmission Pipeline Component Fugitive Leaks:

| ID | Geographic Location | Device Type | Bleed Rate | Manufacturer | Discovery Date (MM/DD/YY) | Repair Date (MM/DD/YY) | Number of Days Leaking | Emission Factor (Mscf/day) | Annual Emission (Mscf) | Explanatory Notes / Comments |
|----|---------------------|-------------|------------|--------------|---------------------------|------------------------|------------------------|----------------------------|------------------------|------------------------------|
|----|---------------------|-------------|------------|--------------|---------------------------|------------------------|------------------------|----------------------------|------------------------|------------------------------|

There were no transmission pipeline component fugitive leaks during the period January 1 - December 31, 2023.

Sum total 0

Wild Goose Storage, LLC, June 14, 2024
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 - 2024 June Report
Appendix 1; Rev. 03/29/2024

Notes:
Use a formula-derived value with the formula used in the Annual Emissions column. Do not use a copy and paste-as-value.
At the end of Annual Emissions Column, add a summation total in a cell for a column total, and then highlight orange.

Transmission Pipeline Odorizers:

| ID | Geographic Location | Number of Units | Emission Factor (Mscf/yr) | Annual Emission (Mscf) | Explanatory Notes / Comments |
|----|---------------------|-----------------|---------------------------|------------------------|------------------------------|
|----|---------------------|-----------------|---------------------------|------------------------|------------------------------|

There were no transmission pipeline odorizer emissions during the period January 1 - December 31, 2023.
Note that the odorizer injection system is operated /managed by PG&E within their meter station.

| | |
|-----------|---|
| Sum total | 0 |
|-----------|---|

Wild Goose Storage, LLC, June 14, 2024

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In Response to Data Request, R15-01-008 2024 June Report
Appendix 7; Rev. 03/29/2024

Notes:

Use a formula-derived value with the formula used in the Annual Emissions column. Do not use a copy and paste-as-value.

At the end of Annual Emissions Column, add a summation total in a cell for a column total, and then highlight orange

Use the Population based emission factor if facility is not surveyed. Use Leaker based emission factor if facility is surveyed, and report only the found leaking components.

Underground Storage Facility Leaks and Emissions:

| ID | Geographic Location | Source | Number of Sources | Discovery Date (MM/DD/YY) | Repair Date (MM/DD/YY) | Number of Days Leaking | Emission Factor (Mscf/day/dev) | Annual Emissions (Mscf) | Explanatory Notes / Comments |
|----|---------------------|--------|-------------------|---------------------------|------------------------|------------------------|--------------------------------|-------------------------|------------------------------|
|----|---------------------|--------|-------------------|---------------------------|------------------------|------------------------|--------------------------------|-------------------------|------------------------------|

Sum Total 0

Notes:

Use a formula-derived value with the formula used in the Annual Emissions column. Do not use a copy and paste-as-value.

At the end of Annual Emissions Column, add a summation total in a cell for a column total, and then highlight orange.

The emissions captured on this tab represent the emissions associated with the operational design and function of the compressor. Any intentional release of natural gas for safety or maintenance purposes should be included on the Blowdowns worksheet.

- Blowdown and Isolation valves
- 6) Measure centrifugal compressor emissions additional columns added for these emissions:
 - Dry seals
 - Wet seals
 - Wet seal oil degassing vents in Pressurized Idle mode

[illegible][illegible]

Wild Goose Storage, LLC, June 14, 2024

**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, 2024 June Report

Appendix 7; Rev. 03/29/2024

Notes:

Use a formula-derived value with the formula used in the Annual Emissions column. Do not use a copy and paste-as-value.

At the end of Annual Emissions Column, add a summation total in a cell for a column total, and then highlight orange

Underground Storage Blowdowns:

| ID | Geographic Location | Source | Compressor Type | Number of Blowdown Events | Annual Emissions (Mscf) | Explanatory Notes / Comments |
|--------------------|---------------------|--------|-----------------|---------------------------|-------------------------|---|
| Compressor Station | 95948 | C | R | 106 | 3,390.94 | Compressor unit blowdowns when changing the mode of operation |
| Compressor Station | 95948 | P | Not applicable | 2 | 117.02 | Piping within the compressor station that's blown down to accommodate a mode change |
| Sum Total | | | | | 3,508 | |

Wild Goose Storage, LLC, June 14, 2024

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In Response to Data Request, R15-01-008 2024 June Report

Appendix 7; Rev. 03/29/2024

Notes:

Use a formula-derived value with the formula used in the Annual Emissions column. Do not use a copy and paste-as-value.

At the end of Annual Emissions Column, add a summation total in a cell for a column total, and then highlight orange

The emissions captured on this tab represent the emissions associated with the operational design and function of the component. Any intentional release of natural gas for safety or maintenance purposes should be included on the Blowdowns worksheet.

Underground Storage Component Vented Emissions (See note above):

| ID | Geographic Location | Device Type | Bleed Rate | Manufacturer | Pressure (psi) | Survey Date (MM/DD/YY) | Number of Days Emitting | Emission Factor, Engineering or Manufacturer's based Estimate of Emissions (Mscf/day) | Annual Emissions (Mscf) | Explanatory Notes / Comments |
|------------|---------------------|-------------|------------|--------------|----------------|------------------------|-------------------------|---|-------------------------|--------------------------------------|
| Delevan MS | 95979 | P | I | Becker | 1000 | Not applicable | 365 | 0.0576 | 126 | 6 components at same emission factor |

All other instrument devices (at the wellpad and compressor station) run on instrument air.

Sum Total 126

Wild Goose Storage, LLC, June 14, 2024
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In Response to Data Request, R15-01-008 2024 June Report
Appendix 7; Rev. 03/29/2024

Notes:

Use a formula-derived value with the formula used in the Annual Emissions column. Do not use a copy and paste-as-value.

At the end of Annual Emissions Column, add a summation total in a cell for a column total, and then highlight orange

The emissions captured on this tab represent the emissions associated unintentional leaks that if repaired would not leaking. If the component is releasing gas or "bleeding" as a result of its design or function then it is not to be captured in this tab.

Please include emissions from leaks found with concentrations below 10,000ppm, and include in the total emissions column. Please use the associated emission factors provided in Appendix 9, Emission Factors.

| Underground Storage: Compressor and Component Fugitive Leaks (see note above): | | | | | | | | | | | | |
|--|---------------------|-------------|------------|----------------|----------------|---------------------------|------------------------|------------------------------|------------------------|--|------------------|---|
| 12/31/20231/1/2023 | | | | | | | | | | | | |
| ID | Geographic Location | Device Type | Bleed Rate | Manufacturer | Pressure (psi) | Discovery Date (MM/DD/YY) | Repair Date (MM/DD/YY) | Prior Survey Date (MM/DD/YY) | Number of Days Leaking | Emission Factor or Engineering Estimate (Mscf/day) | Emissions (Mscf) | Explanatory Notes / Comments |
| 1st Quarter Leak Survey | | | | | | | | | | | | |
| | | | | | | | | | | | | Carryover leak from 2022. CARB Oil & Gas Rule Delay of Repair, leak not repaired by year end 2022. Includes 1 |
| Plant | 95948 V | NA | | Grove / Aerial | 1350 | 01/01/23 | 02/07/23 | 11/16/22 | 61 | 0.3562 | 21.73 | component. |
| Plant | 95948 V | NA | | Grove / Aerial | 1200 | 03/20/23 | 03/23/23 | 11/16/22 | 66 | 0.3562 | 117.55 | Includes 5 components. |
| Plant | 95948 C | NA | | Not applicable | 1200 | 03/20/23 | 03/22/23 | 11/16/22 | 65 | 0.1342 | 69.78 | Includes 8 components. |
| Wellpad | 95953 V | NA | | Not applicable | 1250 | 03/21/23 | 03/23/23 | 11/16/22 | 65.5 | 0.3562 | 116.66 | Includes 5 components. |
| | | | | | | | | | | | 325.71 | |
| 2nd Quarter Leak Survey | | | | | | | | | | | | |
| Plant | 95948 V | NA | | Grove / Aerial | 1200 | 06/07/23 | 06/09/23 | 03/20/23 | 42.5 | 0.3562 | 136.25 | Includes 9 components. |
| Plant | 95948 C | NA | | Not applicable | 1200 | 06/07/23 | 06/09/23 | 03/20/23 | 42.5 | 0.1342 | 62.74 | Includes 11 components. |
| | | | | | | | | | | | 198.99 | |
| 3rd Quarter Leak Survey | | | | | | | | | | | | |
| Plant | 95948 V | NA | | Grove / Aerial | 1500 | 08/15/23 | 08/21/23 | 06/07/23 | 41.5 | 0.3562 | 206.95 | Includes 14 components. |
| Plant | 95948 C | NA | | Not applicable | 1500 | 08/16/23 | 08/23/23 | 06/07/23 | 43 | 0.1342 | 23.08 | Includes 4 components. |
| Wellpad | 95953 C | NA | | Not applicable | 1550 | 08/16/23 | 08/16/23 | 06/07/23 | 36 | 0.1342 | 4.83 | Includes 1 component. |
| | | | | | | | | | | | 234.87 | |
| 4th Quarter Leak Survey | | | | | | | | | | | | |
| Plant | 95948 V | NA | | Grove / Aerial | 1350 | 11/15/23 | 11/17/23 | 08/15/23 | 49 | 0.3562 | 191.99 | Includes 11 components. |
| Plant | 95948 PR | NA | | | 1350 | 11/16/23 | 12/31/23 | 08/15/23 | 92.5 | 0.9518 | 968.46 | Includes 1 component. |
| Plant | 95948 C | NA | | Not applicable | 1350 | 11/15/23 | 11/20/23 | 08/15/23 | 52 | 0.1342 | 104.68 | Includes 15 components. |
| Wellpad | 95953 V | NA | | Not applicable | | 11/17/23 | 11/20/23 | 08/15/23 | 51 | 0.3562 | 36.33 | Includes 2 components. |
| | | | | | | | | | | | 1301.46 | |
| | | | | | | | | | | Sum Total | 2,061 | |

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.

Pursuant to SB 1371, Leno - Natural gas: leakage abatement, the California Public Utilities Commission (CPUC) requests that the following information be transmitted to the CPUC and the California Air Resources Board (CARB):
Note - Definitions in Data Request, R15-01-008 2022 June Report

Notes:

Use a formula-derived value with the formula used in the Annual Emissions column. Do not use a copy and paste-as-value.

At the end of Annual Emissions Column, add a summation total in a cell for a column total, and then highlight orange

| ID | Geographic Location | Type of Dehydrator (Glycol or Desiccant) | Vapor Recovery Unit or Thermal Oxidizer (Y/N) | Annual Volume of Gas Withdrawn (Mscf) | Emission Factor (Y/N) | Engineering Estimate (Y/N) | Annual Emissions (Mscf) | Explanatory Notes / Comments |
|---------------|---------------------|--|---|---------------------------------------|-----------------------|----------------------------|-------------------------|--|
| Plant #1 & #2 | 95948 | Glycol | Y | 21,787,949.00 | 0 | N | 0 | Total volume of gas withdrawn from WGS in 2023 was 43,575,898 Mscf |
| Plant #3 | 95948 | Glycol | Y | 10,893,974.50 | 0 | N | 0 | Total volume of gas withdrawn from WGS in 2023 was 43,575,898 Mscf |
| Plant #4 | 95948 | Glycol | Y | 10,893,974.50 | 0 | N | 0 | Total volume of gas withdrawn from WGS in 2023 was 43,575,898 Mscf |
| Sum Total | | | | | | | 0 | |

Notes:
Please round all natural gas emissions to nearest Mscf.
As a reminder, please use the latest version of each of the worksheets.

Summary Tables:

| System Categories | Emission Source Categories | Fugitive or Vented | For Informational and Reference Purposes Only: Original 2015 Baseline Emissions (Mscf) | Approved 2015 Baseline Emissions (Mscf) | Proposed Adjusted 2015 Baseline Emissions (Mscf) | 2022 Total Annual Volume of Leaks & Emissions (Mscf) | 2022 Total Annual Count of Leak & Emission Items | 2023 Total Annual Volume of Leaks & Emissions (Mscf) | 2023 Total Annual Count of Leak & Emission Items | Emission Change for Year Over Year Comparison from 2022 to 2023 (Mscf) | Percentage Change for Year Over Year Comparison from 2022 to 2023 | Count Change for Year Over Year Comparison from 2022 to 2023 | Percentage Change for Year Over Year Comparison from 2022 to 2023 | Emission Change for Year Over Year Comparison from 2015 to 2023 (Mscf) | Percentage Change for Year Over Year Comparison from 2015 to 2023 | Explanation for Significant Percentage Change for Year Over Year Comparison from 2022 to 2023 |
|---------------------------------------|---|--------------------|--|---|--|--|--|--|--|--|---|--|---|--|---|---|
| Transmission Pipelines | Pipeline Leaks | Fugitive | | | | | | | | - | #DIV/0! | - | #DIV/0! | 0 | #DIV/0! | |
| | All Damages | Fugitive | | | | | | | | - | #DIV/0! | - | #DIV/0! | 0 | #DIV/0! | |
| | Blowdowns | Vented | | | | | | | | - | #DIV/0! | - | #DIV/0! | 0 | #DIV/0! | |
| | Component Vented Emissions | Vented | | | | | | | | - | #DIV/0! | - | #DIV/0! | 0 | #DIV/0! | |
| | Component Fugitive Leaks | Fugitive | | | | | | | | - | #DIV/0! | - | #DIV/0! | 0 | #DIV/0! | |
| | Odorizers | Vented | | | | | | | | - | #DIV/0! | - | #DIV/0! | 0 | #DIV/0! | |
| Transmission M&R Stations | Station Leaks & Emissions | Fugitive | | | | | | | | - | #DIV/0! | - | #DIV/0! | 0 | #DIV/0! | |
| | Blowdowns | Vented | | | | | | | | - | #DIV/0! | - | #DIV/0! | 0 | #DIV/0! | |
| Transmission Compressor Stations | Compressor Emissions | Vented | | | | | | | | - | #DIV/0! | - | #DIV/0! | 0 | #DIV/0! | |
| | Compressor Leaks | Fugitive | | | | | | | | - | #DIV/0! | - | #DIV/0! | - | #DIV/0! | |
| | Blowdowns | Vented | | | | | | | | - | #DIV/0! | - | #DIV/0! | - | #DIV/0! | |
| | Component Vented Emissions | Vented | | | | | | | | - | #DIV/0! | - | #DIV/0! | - | #DIV/0! | |
| | Component Fugitive Leaks | Fugitive | | | | | | | | - | #DIV/0! | - | #DIV/0! | - | #DIV/0! | |
| | Storage Tank Leaks & Emissions | Vented | | | | | | | | - | #DIV/0! | - | #DIV/0! | - | #DIV/0! | |
| Distribution Main & Service Pipelines | Pipeline Leaks | Fugitive | | | | | | | | - | #DIV/0! | - | #DIV/0! | - | #DIV/0! | |
| | All Damages | Fugitive | | | | | | | | - | #DIV/0! | - | #DIV/0! | - | #DIV/0! | |
| | Blowdowns | Vented | | | | | | | | - | #DIV/0! | - | #DIV/0! | - | #DIV/0! | |
| | Component Vented Emissions | Vented | | | | | | | | - | #DIV/0! | - | #DIV/0! | - | #DIV/0! | |
| | Component Fugitive Leaks | Fugitive | | | | | | | | - | #DIV/0! | - | #DIV/0! | - | #DIV/0! | |
| Distribution M&R Stations | Station Leaks & Emissions | Fugitive | | | | | | | | - | #DIV/0! | - | #DIV/0! | - | #DIV/0! | |
| | All Damages | Fugitive | | | | | | | | - | #DIV/0! | - | #DIV/0! | - | #DIV/0! | |
| | Blowdowns | Vented | | | | | | | | - | #DIV/0! | - | #DIV/0! | - | #DIV/0! | |
| Customer Meters | Meter Leaks | Fugitive | | | | | | | | - | #DIV/0! | - | #DIV/0! | - | #DIV/0! | |
| | All Damages | Fugitive | | | | | | | | - | #DIV/0! | - | #DIV/0! | - | #DIV/0! | |
| | Vented Emissions | Vented | | | | | | | | - | #DIV/0! | - | #DIV/0! | - | #DIV/0! | |
| Underground Storage | Storage Leaks & Emissions | Fugitive | 0 | 0 | | 0 | | 0 | | - | #DIV/0! | - | #DIV/0! | - | #DIV/0! | |
| | Compressor Vented Emissions | Vented | 5847 | 5847 | | 1509 | | 1454 | | (55) | (3.6%) | - | #DIV/0! | (4,393.00) | (75.1%) | Low emissions packing installed on select compressors |
| | Blowdowns | Vented | 15491 | 15491 | | 4423 | | 3508 | | (915) | (20.7%) | - | #DIV/0! | (11,983.00) | (77.4%) | |
| | Component Vented Emissions | Vented | 126 | 126 | | 126 | | 126 | | - | 0.0% | - | #DIV/0! | - | 0.0% | |
| | Compressor and Component Fugitive Leaks | Fugitive | 2539 | 2539 | | 1334 | | 2061 | | 727 | 54.5% | - | #DIV/0! | (478.00) | (18.8%) | LDAR leak on pressure relief valve |
| Unusual Large Leaks | Dehydrator Vent Emissions | Fugitive | 0 | 0 | | 0 | | 0 | | - | #DIV/0! | - | #DIV/0! | - | #DIV/0! | |
| | (Description) | | | | | | | | | - | #DIV/0! | - | #DIV/0! | - | #DIV/0! | |
| Total | | | 24003 | | | 7392 | NA | 7149 | NA | (243) | -3% | NA | NA | (16,854.00) | (70.2%) | |

Wild Goose Storage, LLC, June 14, 2024

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, 2024 June Report

Appendix 8; Rev. 03/29/2024

System Wide Leak Rate Data

1/1/2023 - 12/31/2023

The highlighted cells show the volumes that are summed together as the throughput for calculating the system wide leak rate.

Gas Storage Facilities:

| Average Close of the Month Cushion Gas Storage Inventory (Mscf) | Average Close of the Month Working Gas Storage Inventory (Mscf) | Total Annual Volume of Injections into Storage (Mscf) | Total Annual Volume of Gas Used by the Gas Department (Mscf) | Total Annual Volume of Withdrawals from Storage (Mscf) | Explanatory Notes / Comments |
|---|---|---|--|--|------------------------------|
| 11,000,000 | 45,082,434 | 70,314,418 | 746,512 | 43,575,898 | |

Transmission System:

| Total Annual Volume of Gas Used by the Gas Department (Mscf) | Total Annual Volume of Gas Transported to or for Customers* in State (Mscf) | Total Annual Volume of Gas Transported to or for Customers* out of State (Mscf) | Total Annual Volume of Gas Transported to utility-owned or third-party storage fields for injection into storage (Mscf) | Explanatory Notes / Comments |
|--|---|---|---|------------------------------|
| | | | | |

Distribution System:

| Total Annual Volume of Gas Used by the Gas Department (Mscf) | Total Annual Volume of Gas Transported to or for Customers* in State (Mscf) | Total Annual Volume of Gas Transported to or for Customers* out of State (Mscf) | Explanatory Notes / Comments |
|--|---|---|------------------------------|
| | | | |

*The term customers includes anyone that the utility is transporting gas for, including customers who purchase gas from the utility.

Customers can be anyone including residential, businesses, other utilities, gas transportation companies, etc.

Wild Goose Storage, LLC, June 14, 2024
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Natural Gas Pipelines and Facilities to Reduce Natural Gas Leaks Consistent with Senate Bill 1371,
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Appendix 8; Rev. 03/29/2024

Summary Tables:

| Natural Gas Properties | Average Mole Percent | Explanatory Notes / Comments |
|------------------------|----------------------|--|
| Methane | | Gas is supplied from PG&E's transmission system via meter station / interconnect. Gas is returned to PG&E's system when Wild Goose is on withdrawal, meeting required natural gas quality / specification for their transmission line. |
| Carbon Dioxide | | |
| Ethane | | |
| C3+ | | |
| C6+ | | |
| Oxygen | | |
| Hydrogen | | |
| Sulfur | | |
| Water | | |
| Carbon Monoxide | | |
| Particulate Matter | | |
| Inert Gas | | |
| Odorant | | |