

SoCalGas, June 13th, 2025
Rulemaking (R) 15-03-008 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, R15-03-008, 2025 June Report
Appendix B, Rev. 03/27/2025

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 Vent | For Informational and Reference Purposes Only- Original 2015 Baseline Emissions (Mscf) | Approved 2015 Baseline Emissions (Mscf) | Proposed Adjusted 2015 Baseline Emissions (Mscf) | 2023 Total Annual Volume of Leaks & Emissions (Mscf) | 2023 Total Annual Count of Leak & Emission Items | 2024 Total Annual Volume of Leaks & Emissions (Mscf) | 2024 Total Annual Count of Leak & Emission Items | Emission Change for Year Over Year Comparison from 2023 to 2024 (Mscf) | Percentage Change for Year Over Year Comparison from 2023 to 2024 | Count Change for Year Over Year Comparison from 2023 to 2024 | Percentage Change for Year Over Year Comparison from 2023 to 2024 | Emission Change for Year Over Year Comparison from 2015 to 2024 (Mscf) | Percentage Change for Year Over Year Comparison from 2015 to 2024 | Explanation for Significant Percentage Change for Year Over Year Comparison from 2023 to 2024 |
|---------------------------------------|-----------------------------------------|------------------|----------------------------------------------------------------------------------------|-----------------------------------------|--------------------------------------------------|------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transmission Pipelines | Pipeline Leaks | Fugitive | 1,324 | 1,324 | NA | 1,270 | Total System Mileage: 3,361 | 1,261 | Total System Mileage: 3,357 | 0 | (0.7%) | (24) | (0.7%) | 69 | (8.8%) | Emissions decreased by 7,481 Mscf or 100%. The reduction occurred because there weren't any damages that were reportable under this category for emission year (EY) 2024. Notably, a mudslide caused an Unusual Large Leak from a Transmission Pipeline, and the emissions from this leak are included in the "Unusual Large Leaks" section of this table. The year-over-year decrease in emissions can be attributed to reduced project activity and a reduction in the average volume released per pipeline blowdown during 2024 relative to 2023. Device courts were updated through asset verification and asset data enhancements. |
| | All Damages | Fugitive | 0 | 0 | NA | 7,481 | Number of emission items: 2 | 0 | Number of emission items: 0 | (7,481) | (100.0%) | (2) | (200.0%) | 0 | - | |
| | Blowdowns | Vented | 199,970 | 199,970 | NA | 11,730 | Number of blowdown events: 2,449 | 9,061 | Number of blowdown events: 2,841 | (12,699) | (22%) | 392 | (16.0%) | (199,879) | (100.0%) | |
| | Component Vented Emissions | Vented | 0 | 8,182 | NA | 1,198 | Number of devices: 57 | 1,750 | Number of devices: 83 | (552) | (46.1%) | 26 | (45.6%) | (4,432) | (176.0%) | |
| | Component Fugitive Leaks | Fugitive | N/A | 0 | NA | 0 | Number of leaks: 44 | 0 | Number of leaks: 38 | - | - | (6) | (13.6%) | 0 | - | |
| | Odors/ris | Vented | 2,434 | 2,434 | NA | 2,899 | Number of units: 286 | 2,819 | Number of units: 310 | (80) | (2.8%) | 14 | (4.7%) | 385 | (15.8%) | |
| Transmission M&B Stations | Station Leaks & Emissions | Fugitive | 340,142 | NA | NA | NA | Number of facilities: NA | NA | Number of facilities: NA | NA | NA | NA | NA | NA | NA | The year-over-year increase in emissions can be attributed to an increase in project activity. The year-over-year decrease can be attributed to a decrease in average leak-days in 2024 relative to 2023. Device courts were updated through asset verification and asset data enhancements. |
| | Blowdowns | Vented | 95 | 95 | NA | 2,258 | Number of blowdown events: 3,027 | 3,588 | Number of blowdown events: 890 | (1,330) | (58.0%) | (227) | (22.1%) | 3,493 | (849.8%) | |
| | Component Fugitive Leaks | Fugitive | NA | 386 | NA | 430 | Number of leaks: 9 | 330 | Number of leaks: 12 | (100) | (22.2%) | 3 | (33.3%) | (56) | (124.4%) | |
| | Component Vented Emissions | Vented | NA | 6,220 | NA | 2,008 | Number of devices: 100 | 2,778 | Number of devices: 138 | (770) | (28.3%) | 38 | (38.0%) | (3,442) | (161.9%) | |
| Transmission Compressor Stations | Compressor Emissions | Vented | 34,810 | 34,810 | NA | 14,366 | Number of compressors: 40 | 12,186 | Number of compressors: 40 | (12,186) | (115.2%) | - | (0.0%) | (22,624) | (100.0%) | On average, compressors operated less in 2024 than in 2023. The decrease in average operating hours contributed to the decrease in emissions year-over-year. The year-over-year increase in emissions can be attributed to an increase in the average blowdown volume during 2024 relative to 2023. Device courts were updated through asset verification and record enhancements. Emissions decreased year-over-year because leak counts and the average number of days leaking decreased year-over-year. |
| | Compressor Leaks | Fugitive | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Blowdowns | Vented | 7,268 | 7,268 | NA | 10,967 | Number of blowdown events: 854 | 13,938 | Number of blowdown events: 857 | (3,671) | (27.1%) | 3 | (0.4%) | 6,679 | (91.8%) | |
| | Component Vented Emissions | Vented | N/A | 4,300 | NA | 3,022 | Number of devices: 139 | 5,566 | Number of devices: 204 | (2,544) | (90.5%) | 125 | (89.9%) | 1,266 | (29.4%) | |
| | Component Fugitive Leaks | Fugitive | 8,430 | 13,659 | NA | 8,553 | Number of leaks: 589 | 5,083 | Number of leaks: 464 | (13,180) | (141.2%) | (130) | (123.5%) | (8,617) | (103.3%) | |
| | Storage Tank Leaks & Emissions | Vented | 0 | 275 | NA | 165 | Number of emission items: 5 | 0 | Number of emission items: 0 | (165) | (100.0%) | (5) | (100.0%) | (275) | (100.0%) | |
| Distribution Main & Service Pipelines | Pipeline Leaks | Fugitive | 797,436 | 715,581 | NA | 472,038 | Number of known leaks: 34,153 Estimated number of unknown leaks: 1,294 Total number of leaks: 15,947 | 518,715 | Number of known leaks: 12,972 Estimated number of unknown leaks: 1,114 Total number of leaks: 15,086 | (46,077) | (9.9%) | (261) | (1.4%) | (200,866) | (277.9%) | Estimated EY 2024 emissions are higher than EY 2023 emissions. Initially, updates to EY 2023 data were completed to remove leaks or move leaks to different Appendix sections based on additional details that were collected since the EY 2023 report was initially filed. Because the Emission Year 2023 data have undergone these updates, there is not currently an accurate comparison between Emission Years 2023 and 2024. Although leak counts decreased year-over-year, emissions are nearly equivalent because the average volume per damage in 2024 was higher than in 2023. This increase in average damage volume can be attributed to several large excavation damages during EY 2024. The year-over-year decrease in emissions can be attributed to a reduction in the average blowdown volume during 2024 relative to 2023. |
| | All Damages | Fugitive | 78,646 | 78,646 | NA | 64,957 | Number of damages: 3,235 | 65,822 | Number of damages: 3,077 | (865) | (1.3%) | (178) | (1.5%) | (12,824) | (100.0%) | |
| | Blowdowns | Vented | 4,828 | 4,828 | NA | 501 | Number of blowdown events: 17,176 | 418 | Number of blowdown events: 17,260 | (83) | (10.0%) | 24 | (0.1%) | (4,419) | (101.9%) | |
| | Component Vented Emissions | Vented | N/A | NA | NA | 0 | Number of emission items: 0 | 0 | Number of emission items: 0 | - | - | - | - | NA | NA | |
| | Component Fugitive Leaks | Fugitive | 3,281 | 0 | NA | 0 | Number of leaks: 0 | 0 | Number of leaks: 0 | - | - | - | - | NA | NA | |
| | Station Leaks & Emissions | Fugitive | 340,720 | 0 | NA | NA | Number of stations: NA | NA | Number of stations: NA | NA | NA | NA | NA | NA | NA | |
| Distribution M&B Stations | All Damages | Fugitive | N/A | NA | NA | 0 | Number of damages: 0 | 0 | Number of damages: 0 | - | - | - | - | NA | NA | Distribution M&B Blowdowns are a function of inspection activity level and can vary year-to-year. Emissions decreased because one less pneumatic device was in operation during 2024 than during 2023. The increase in emissions can be attributed to the increase in leaks identified during 2024 relative to 2023. |
| | Blowdowns | Vented | 94 | 94 | NA | 123 | Number of blowdowns: 26,706 | 116 | Number of blowdowns: 25,253 | (7) | (0.7%) | (1,453) | (1.4%) | 22 | (23.4%) | |
| | Component Emissions | Vented | N/A | 295 | NA | 336 | Number of emission items: 16 | 316 | Number of emission items: 15 | (20) | (6.0%) | (1) | (0.3%) | 21 | 7.3% | |
| | Component Leaks | Fugitive | N/A | 8,898 | NA | 5,997 | Number of leaks: 804 | 6,582 | Number of leaks: 909 | (585) | (9.8%) | 105 | (12.8%) | (2,316) | (100.0%) | |
| Customer Meters | Meter Leaks | Fugitive | 846,235 | 726,154 | NA | 534,183 | Number of Meters: 6,352,876 Number of leaks: 58,375 | 505,740 | Number of Meters: 6,213,246 Number of leaks: 55,945 | (28,443) | (0.3%) | (5,030) | (0.6%) | (220,414) | (100.0%) | Emissions decreased year-over-year because known and unknown leak counts were lower in 2024 relative to 2023. The decrease in emissions year-over-year can be attributed to a decreased number of damages in 2024 relative to 2023. Emissions increased year-over-year because the total number of blowdowns increased year-over-year. |
| | All Damages | Fugitive | N/A | NA | NA | 17,872 | Number of damages: 1,449 | 16,366 | Number of damages: 1,351 | (1,506) | (0.4%) | (138) | (9.5%) | NA | NA | |
| | Vented Emissions | Vented | 2,063 | 2,063 | NA | 716 | Number of blowdown events: 303,090 | 1,558 | Number of blowdown events: 527,794 | (822) | (114.8%) | (138,734) | (63.0%) | (32) | (125.4%) | |
| | Storage Leaks & Emissions | Fugitive | 3,146 | 3,146 | NA | 286 | Number of leaks: 593 | 183 | Number of leaks: 482 | (1,033) | (100.0%) | (103) | (17.0%) | (2,369) | (100.0%) | |
| Underground Storage | Compressor Vented Emissions | Vented | 84,609 | 84,609 | NA | 4,669 | Number of compressors: 47 | 3,081 | Number of compressors: 47 | (1,588) | (14.0%) | - | (0.0%) | (61,518) | (100.0%) | On average, compressors operated less in 2024 than in 2023. The decrease in average operating hours contributed to the decrease in emissions year-over-year. The decrease in emissions year-over-year can be attributed to a reduction in the number of blowdowns at the Storage Fields during 2024 relative to 2023. Emissions decreased year-over-year because the counts of gas-powered pneumatics were reduced at Honor Rancho and Aliso Canyon. Emissions decreased year-over-year because there were fewer leaks from surface equipment in 2024 relative to 2023. |
| | Blowdowns | Vented | 10,812 | 10,812 | NA | 2,165 | Number of blowdown events: 3,885 | 1,371 | Number of blowdown events: 2,770 | (794) | (10.7%) | (1,065) | (27.8%) | (9,441) | (107.9%) | |
| | Component Vented Emissions | Vented | N/A | 5,281 | NA | 2,126 | Number of devices: 110 | 885 | Number of devices: 42 | (1,241) | (100.0%) | (68) | (81.6%) | (4,396) | (100.0%) | |
| | Compressor and Component Fugitive Leaks | Fugitive | 107 | 30,474 | NA | 21,403 | Number of leaks: 1,129 | 14,350 | Number of leaks: 813 | (7,053) | (101.0%) | (116) | (10.0%) | (16,124) | (100.0%) | |
| | Dehydrator Vent Emissions | Fugitive | 13,402 | 0 | NA | 0 | Number of facilities: 4 | 0 | Number of facilities: 4 | - | - | - | (0.0%) | 0 | (0.0%) | |
| Unusual Large Leaks | | (Description) | 1,610,000 | NA | NA | 0 | Number of leaks: 0 | 137,835 | Number of leaks: 1 | 137,835 | - | 1 | - | NA | NA | A mudslide damaged a Transmission Pipeline and caused an Unusual Large Leak. |
| Total | | | 6,409,851 | 1,953,795 | NA | 1,193,619 | NA | 1,193,823 | NA | 204 | 0% | NA | NA | (769,972.00) | (100%) | |

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|------------------------------|
| Legend |
| Revised on June 13, 2025 |
| Revised on November 17, 2025 |
| Revised on December 3, 2025 |

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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,
In Response to Data Request, R15-01-008, 2025 June Report
Appendix 8; Rev. 03/27/2025

System Wide Leak Rate Data

1/1/2024 - 12/31/2024

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 (Mscf) | Total Annual Volume of Withdrawals from Storage (Mscf) | Explanatory Notes / Comments |
|-----------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------------------|----------------------------------------|--------------------------------------------------------|------------------------------|
| 141,087,404 | 100,207,114 | 47,951,255 | 534,073 | 52,908,384 | |

Transmission System:

| Total Annual Volume of Gas Used (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 |
|----------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|------------------------------|
| 1,724,930 | 803,659,595 | 11,741,706 | 47,951,255 | |

Distribution System:

| Total Annual Volume of Gas Used (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 |
|----------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------|------------------------------|
| 320,923 | 699,194,169 | 0 | |

*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.

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In Response to Data Request, R15-01-008, 2025 June Report Appendix 8; Rev. 03/27/2025

Summary Tables:

| Natural Gas Properties | Average Mole Percent | Explanatory Notes / Comments |
|------------------------|----------------------|-------------------------------------------------|
| Methane | 94.54 | Interstate supplies |
| Carbon Dioxide | 0.68 | Interstate supplies |
| Ethane | 3.63 | Interstate supplies |
| C3+ | 0.21 | Interstate supplies |
| C6+ | 0.005 | Interstate supplies |
| Oxygen | 0.2 | Estimated to limit, Not Tested at all locations |
| Hydrogen | | Not Tested |
| Sulfur | 0.0002 | Estimated to include odorant |
| Water | 0.0147 | Estimated to Limit, Not Tested at all locations |
| Carbon Monoxide | | Not Tested |
| Particulate Matter | | Not Tested |
| Inert Gas | 1.61 | Interstate supplies |
| Odorant | 0.00016 | Estimated to guideline rate |