SoCalGas, June 13th, 2025

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, 2025 June Report
Appendix & 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 Vented	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	Emission Change for Year Over Year Comparison from 2015 (proposed) to 2024 (Mscf)	Percentage Change for Year Over Year Comparison from 2015 (proposed) 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: 3,381	1,261	Total System Mileage: 3,357	(9)	(0.7%)	(24)	(0.7%)	-63	(4.8%)	-63	(4.8%)	
	All Damages	Fugitive	0	0	NA	7,481	Number of emission items: 2	0	Number of emission items: 0	(7,481)	(100.0%)	(2)	(100.0%)	0	-	0	-	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 Leak" section of this table.
	Blowdowns	Vented	199,970	199,970	NA	11,730	Number of blowdown events: 2,449	9,091	Number of blowdown events: 2,841	(2,639)	(22%)	392	16.0%	-190,879	(95.5%)	-190,879	(95.5%)	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.
	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%	-6,432	(78.6%)	-6,432	(78.6%)	Device counts were updated through asset verification and asset data enhancements.
	Component Fugitive Leaks	Fugitive	N/A	0	NA	0	Number of leaks: 44	0	Number of leaks: 38	-	-	(6)	(13.6%)	0	-	0	-	
	Odorizers	Vented	2,434	2,434	NA	2,899	Number of units: 296	2,819	Number of units: 310	(80)	(2.8%)	14	4.7%	385	15.8%	385	15.8%	
Transmission M&R Stations	Station Leaks & Emissions	Fugitive	340,142	110,296	NA	114,838	Number of facilities: 562	114,727	Number of facilities: 300	(111)	(0.1%)	(262)	(46.6%)	4,431	4.0%	NA	NA	Tap and station counts were updated through asset verification and record enhancements. One new T-T station was added in 2024.
	Blowdowns	Vented	95	95	NA	2,258	Number of blowdown events: 1,027	3,588	Number of blowdown events: 800	1,330	58.9%	(227)	(22.1%)	3,493	3,676.8%	NA	NA	The year-over-year increase in emissions can be attributed to an increase in project activity.
	Component Fugitive Leaks	Fugitive	NA	NA	379	329	Number of leaks: 8	324	Number of leaks: 12	(5)	(1.5%)	4	50.0%	NA	NA	-55	(14.5%)	
	Component Vented Emissions	Vented	NA	NA	6,220	2,008	Number of devices: 100	2,778	Number of devices: 138	770	38.3%	38	38.0%	NA	NA	-3,442	(55.3%)	Device counts were updated through asset verification and asset data enhancements.
Transmission Compressor Stations	Compressor Emissions	Vented	34,810	34,810	NA	14,366	Number of compressors: 40	12,186	Number of compressors: 40	(2,180)	(15.2%)	-	0.0%	-22,624	(65.0%)	-22,624	(65.0%)	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.
	Compressor Leaks	Fugitive	N/A	NA	NA	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	2,971	27.1%	3	0.4%	6,670	91.8%	6,670	91.8%	The year-over-year increase in emissions can be attributed to an increase in the average blowdown volume during 2024 relative to 2023.
	Component Vented Emissions	Vented	N/A	4,300	NA	2,922	Number of devices: 139	5,566	Number of devices: 264	2,644	90.5%	125	89.9%	1,266	29.4%	1,266	29.4%	Device counts were updated through asset verification and record enhancements.
	Component Fugitive Leaks	Fugitive	8,430	13,650	NA	8,553	Number of leaks: 599	5,033	Number of leaks: 464	(3,520)	(41.2%)	(135)	(22.5%)	-8,617	(63.1%)	-8,617	(63.1%)	Emissions decreased year-over-year because leak counts and the average number of days leaking decreased year-over-year.
	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%)	-275	(100.0%)	No condensate was collected in the tanks during 2024.
Distribution Main & Service Pipelines	Pipeline Leaks	Fugitive	797,426	719,581	NA	472,038	Number of known leaks: 14,153 Estimated number of unknown leaks: 1,794 Total number of leaks: 15,947	518,715	Number of known leaks: 12,972 Estimated number of unknown leaks: 2,114 Total number of leaks: 15,086	46,677	9.9%	(861)	(5.4%)	-200,866	(27.9%)	-200,866	(27.9%)	Estimated EY 2024 emissions are higher than EY 2023 emissions. Notably, 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.
	All Damages	Fugitive	78,646	78,646	NA	64,957	Number of damages: 3,255	65,822	Number of damages: 3,077	865	1.3%	(178)	(5.5%)	-12,824	(16.3%)	-12,824	(16.3%)	Although leak counts decreased year-over-year, emissions are nearly equivalent because the average volume per damage in 2024 was higher than in 2023. The increase in average damage volume can be attributed to several large excavation damages during EY 2024.
	Blowdowns	Vented	4,828	4,828	NA	501	Number of blowdown events: 17,176	418	Number of blowdown events: 17,200	(83)	(16.6%)	24	0.1%	-4,410	(91.3%)	-4,410	(91.3%)	The year-over-year decrease in emissions can be attributed to a reduction in the average blowdown volume during 2024 relative to 2023.
	Component Vented Emissions	Vented	N/A	NA	NA	0	Number of emission items: 0	0	Number of emission items: 0	-	-	-	-	NA	NA	NA	NA	
	Component Fugitive Leaks	Fugitive	1,281	0	NA	0	Number of leaks: 0	0	Number of leaks: 0	-	-	-	-	-	-	-	-	
Distribution M&R Stations	Station Leaks & Emissions	Fugitive	340,729	0	NA	NA	Number of stations: NA	NA	Number of stations: NA	NA	NA	NA	NA	NA	NA	NA	NA	
	All Damages	Fugitive	N/A	NA	NA	0	Number of damages: 0	0	Number of damages: 0	-	-	-	-	NA	NA	NA	NA	
	Blowdowns	Vented	94	94	NA	123	Number of blowdowns: 26,706	116	Number of blowdowns: 25,253	(7)	(5.7%)	(1,453)	(5.4%)	22	23.4%	22	23.4%	Distribution M&R Blowdowns are a function of inspection activity level and can vary year-to-year.
	Component Emissions	Vented	N/A	295	NA	336	Number of emission items: 16	316	Number of emission items: 15	(20)	(6.0%)	(1)	(6.3%)	21	7.1%	21	7.1%	Emissions decreased because one less pneumatic device was in operation during 2024 than during 2023.
	Component Leaks	Fugitive	N/A	8,898	NA	5,997	Number of leaks: 854	6,582	Number of leaks: 959	585	9.8%	105	12.3%	-2,316	(26.0%)	-2,316	(26.0%)	The increase in emissions can be attributed to the increase in leaks identified during 2024 relative to 2023.
Customer Meters	Meter Leaks	Fugitive	846,235	726,154	NA	534,183	Number of Meters: 6,162,876 Number of leaks: 58,373	505,740	Number of Meters: 6,213,246 Number of leaks: 53,343	(28,443)	(5.3%)	(5,030)	(8.6%)	-220,414	(30.4%)	-220,414	(30.4%)	Emissions decreased year-over-year because known and unknown leak counts were lower in 2024 relative to 2023.
	All Damages	Fugitive	N/A	NA	NA	17,872	Number of damages: 1,449	16,366	Number of damages: 1,311	(1,506)	(8.4%)	(138)	(9.5%)	NA	NA	NA	NA	The decrease in emissions year-over-year can be attributed to a decreased number of damages in 2024 relative to 2023.
	Vented Emissions	Vented	2,063	2,063	NA	716	Number of blowdown events: 369,060	1,538	Number of blowdown events: 527,794	822	114.8%	158,734	43.0%	-525	(25.4%)	-525	(25.4%)	Emissions increased year-over-year because the total number of blowdowns increased year-over-year.
Underground Storage	Storage Leaks & Emissions	Fugitive	3,146	3,146	NA	286	Number of leaks: 593	183	Number of leaks: 492	(103)	(36.0%)	(101)	(17.0%)	-2,963	(94.2%)	-2,963	(94.2%)	Emissions decreased year-over-year because there were fewer leaks from surface equipment in 2024 relative to 2023. In addition, the average number of days leaking was lower in 2024 relative to 2023.
	Compressor Vented Emissions	Vented	84,609	84,609	NA	4,669	Number of compressors: 47	3,081	Number of compressors: 47	(1,588)	(34.0%)	-	0.0%	-81,528	(96.4%)	-81,528	(96.4%)	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.
	Blowdowns	Vented	10,812	10,812	NA	2,165	Number of blowdown events: 3,835	1,371	Number of blowdown events: 2,770	(794)	(36.7%)	(1,065)	(27.8%)	-9,441	(87.3%)	-9,441	(87.3%)	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.
	Component Vented Emissions	Vented	N/A	5,281	NA	2,126	Number of devices: 110	885	Number of devices: 42	(1,241)	(58.4%)	(68)	(61.8%)	-4,396	(83.2%)	-4,396	(83.2%)	Emissions decreased year-over-year because the counts of gas-powered pneumatics were reduced at Honor Rancho and Aliso Canyon.
	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)	(33.0%)	(316)	(28.0%)	-16,124	(52.9%)	-16,124	(52.9%)	Emissions decreased year-over-year because there were fewer leaks from surface equipment in 2024 relative to 2023.
	Dehydrator Vent Emissions	Fugitive	13,402	0	NA	0	Number of facilities: 4	0	Number of facilities: 4	-	-	-	0.0%	0	0.0%	0	0.0%	
Unusual Large Leaks	(Description)		3,630,000	NA	NA	0	Number of leaks: 0	137,835	Number of leaks: 1	137,835	-	1	-	NA	NA	NA	NA	A mudslide damaged a Transmission Pipeline and caused an Unusual Large Leak.
		Total	**6,409,851**	**2,057,485**	**NA**	**1,306,019**	NA	**1,305,442**	NA	(577)	0%	NA	NA	(752,043.00)	(37%)	(703,464.00)	(35%)	

Legend
Revised on June 13, 2025
Added following the CPUC's Guidance

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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	899,040,651	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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Summary Tables:

Natural Gas Properties	Average Mole Percent	Explanatory Notes / Comments
Methane	94.4	Interstate supplies
Carbon Dioxide	0.75	Interstate supplies
Ethane	3.65	Interstate supplies
C3+	0.24	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	1.71	Interstate supplies
Odorant	0.00016	Estimated to guideline rate