

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 2; Rev. 03/27/2025

Notes:

Utilities that are submitting leaker-based emissions have the option of not filling out this worksheet.

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.

Facilities emissions that are based on a population count times an emission factor (See Appendix 9 for guidance).

Transmission M&R Station Total Leaks and Emissions:

Number of Stations	Station Classification	Emission Factor (Mscf/yr/station)	Annual Emission (Mscf)	Explanatory Notes / Comments
72	T	1554.80	111,945.60	This includes stations that have Transmission to Distribution connections
228	F	12.20	2,781.60	Tap Facilities -Transmission Maintained
Sum Total			114,727	

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

Transmission M&R Station Blowdowns:

ID	Geographic Location	Number of Blowdown Events	Annual Emissions (Mscf)	Explanatory Notes / Comments
BD-2024-1659	92555	1	215.58	
BD-2024-1491	92629	1	1.45	
BD-2024-1488	92243	1	1.02	
BD-2024-1475	92557	1	167.76	
BD-2024-1312	90810	1	8.81	
BD-2024-1308	92555	1	214.49	
BD-2024-1304	92555	1	160.93	
BD-2024-1293	92555	1	705.90	
BD-2024-1285	92233	1	7.89	
BD-2024-1282	91709	1	87.75	
BD-2024-1258	92240	1	880.57	
BD-2024-1256	92240	1	483.98	
BD-2024-1231	92233	1	4.77	
BD-2024-1219	92555	1	0.32	
BD-2024-1174	90803	1	12.04	
BD-2024-1489	91350	1	1.37	
BD-2024-1486	91803	1	0.30	
BD-2024-1188	92258	1	621.90	
N/A	SoCalGas Territory	302	9.06	Filter Changeout or Filter Inspection w/parts replacement - Estimated avg. gas vented = 30 scf/ea
N/A	SoCalGas Territory	19	0.04	LineBreaks - Estimated avg. gas vented = 2 scf/insp
N/A	SoCalGas Territory	23	0.46	Meter/Orifice 20 scf/each
N/A	SoCalGas Territory	25	0.50	Relief Valve Inspection at Transmission M&R Stations - Estimated avg. gas vented = 20 scf/insp
N/A	SoCalGas Territory	7	0.21	Drips 30scf/ each
N/A	SoCalGas Territory	5	0.01	Analyzers & GCs 2scf/inspection
N/A	SoCalGas Territory	401	0.80	Actuators/Controllers - Estimated avg. gas vented = 2 scf/insp
Sum Total			3,588	

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Notes:

The data collected on this sheet is for informational purposes and may not be included in the emissions inventory for 2023. The worksheet is designed to track actual emissions for future reference and to determine if an actual leak based emission accounting is feasible for M&R stations.

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.

Transmission M&R Station Component Vented Emissions:

ID	Geographic Location	Station Classification	Device Type	Bleed Rate	Manufacturer	Number of Days Emitting	Annual Emissions (Mscf)	Explanatory Notes / Comments
2000-200.65-6P	92821	A3	P	I	BETTIS	366	20.13	
2000-200.65-7P	92821	A3	P	I	BAILEY	366	20.13	
2000-200.65-8P	92821	A3	P	I		366	20.13	
4000-111.11-12I	92887	A3	P	I		366	20.13	
4002-76.62-12PS	92336	A3	P	I		366	20.13	
1010-31.35-34DNGP	93455	A3	P	I	VRG	366	20.13	
VA-8HPP	93268	A3	P	I	BECKER	366	20.13	
225-47.03-1POS	93243	A3	P	I	BECKER	366	20.13	
7000-0.00-5DNGP	93263	A3	P	I	PMV	366	20.13	
13.5-19	93311	A2	P	I		366	20.13	
225-47.03-0POS	93243	A3	P	I	BECKER	366	20.13	
CR- #336R	93066	A3	P	I	BECKER	366	20.13	
CR- #338R	93066	A3	P	I	BECKER	366	20.13	
CR- #339R	93066	A3	P	I	BECKER	366	20.13	
404-20.80-7DNGP	93066	A3	P	I	DRESSER	366	20.13	
1185-5.11-10HPP	92392	A3	P	I	BECKER	366	20.13	
1185-5.11-14HPP	92392	A3	P	I	BECKER	366	20.13	
1185-5.11-18HPP	92392	A3	P	I	BECKER	366	20.13	
1170-5.90-8-PS	90277	A3	P	I	BECKER	366	20.13	
1170-5.90-9-PS	90277	A3	P	I	BECKER	366	20.13	
2001-207.69-R1-HPP	91745	A3	P	I	DRESSER	366	20.13	
2001-207.69-R2DNGP	91745	A3	P	I	DRESSER	366	20.13	
2001-207.69-R3-HPP	91745	A3	P	I	DRESSER	366	20.13	
2001-207.69-R4DNGP	91745	A3	P	I	NAV	366	20.13	
3000-256.13-5C	91343	A3	P	I	BECKER	366	20.13	
3000-256.13-6C	91343	A3	P	I	BECKER	366	20.13	
1027-0.00-2DNGP	92555	A3	P	I		366	20.13	
1027-34.46-9	92028	A3	P	I		366	20.13	
1028-34.46-24	92028	A3	P	I		366	20.13	
1030-72.16-0DNGP	92201	A3	P	I	BECKER	366	20.13	
120-103.49-2-C	91436	A3	P	I		366	20.13	
1220-0.03-102A-DNG	93003	A3	P	I		366	20.13	
1220-0.03-202B-DNG	93003	A3	P	I		366	20.13	
13.5-10	93311	A2	P	I	BRISTOL	366	20.13	
2000-125.15-5OPPS	92258	A3	P	I	VRG	366	20.13	
2000-125.15-6OPPS	92258	A3	P	I	VRG	366	20.13	
2000-155.06-93DNGP	92555	A3	P	I	BECKER	366	20.13	
2000-155.06-94DNGP	92555	A3	P	I	BECKER	366	20.13	
2000-155.06-96DNGP	92555	A3	P	I	BECKER	366	20.13	
2000-155.06-98DNGP	92555	A3	P	I	BECKER	366	20.13	
2000-72.16-0DNGP	92201	A3	P	I	BECKER	366	20.13	
2000-72.16-8	92201	A3	P	I		366	20.13	
2001-125.15-5OPPS	92258	A3	P	I	VRG	366	20.13	
2001-125.15-6OPPS	92258	A3	P	I	VRG	366	20.13	
2001-155.95-7	92555	A3	P	I		366	20.13	
2001-191.19-6C	91709	A3	P	I	DRESSER	366	20.13	
2051-126.39-7OPPS	92258	A3	P	I	VRG	366	20.13	
2051-126.39-8OPPS	92258	A3	P	I	VRG	366	20.13	
4000-62.04-10DNGP	92371	A3	P	I	BECKER	366	20.13	
4000-62.04-14DNGP	92371	A3	P	I	BECKER	366	20.13	
4000-62.04-18DNGP	92371	A3	P	I	BECKER	366	20.13	
4000-62.04-22DNGP	92371	A3	P	I	BECKER	366	20.13	
4002-62.04-13DNGP	92371	A3	P	I	BECKER	366	20.13	
4002-62.04-17DNGP	92371	A3	P	I	BECKER	366	20.13	
4002-62.04-21DNGP	92371	A3	P	I	BECKER	366	20.13	
404-20.80-5C	93066	A3	P	I		366	20.13	
404-20.80-6C	93066	A3	P	I		366	20.13	
404-20.80-7C	93066	A3	P	I		366	20.13	
404-20.80-8C	93066	A3	P	I		366	20.13	
4002-62.04-9DNGP	92371	A3	P	I	BECKER	366	20.13	
5000-126.42-5OPPS	92258	A3	P	I	VRG	366	20.13	
5000-126.42-6OPPS	92258	A3	P	I	VRG	366	20.13	
5000-126.43-7OPPS	92258	A3	P	I	VRG	366	20.13	
5000-126.43-8OPPS	92258	A3	P	I	VRG	366	20.13	
5000-72.51-0DNGP	92201	A3	P	I	BECKER	366	20.13	
6914-21.94-22OPPS	92243	A3	P	I	VRG	366	20.13	
6914-21.94-24OPPS	92243	A3	P	I	VRG	366	20.13	
7053-8.25-10OPPS	93268	A3	P	I	VRG	366	20.13	
7053-8.25-6OPPS	93268	A3	P	I	VRG	366	20.13	
85-156.72-6C	91355	A3	P	I	ADALET	366	20.13	
CN-2001-DNGP	91709	A3	P	I	FISHER	366	20.13	
PCV-101-A	93455	A3	P	I	VRG	366	20.13	
PCV-101-B	93455	A3	P	I	VRG	366	20.13	
1017-16.09-14-NBV	92646	A3	P	I		366	20.13	
1017-16.09-15-NBV	92646	A3	P	I		366	20.13	
1017-16.09-18-NBV	92646	A3	P	I		366	20.13	
1017-16.09-19-NBV	92646	A3	P	I		366	20.13	
2000-200.65OPC	92821	A3	P	I	BRISTOL	366	20.13	
4000-62.04-21OPPM1	92371	A3	P	I	BECKER	366	20.13	
4000-62.04-21OPPM2	92371	A3	P	I	BECKER	366	20.13	
1024-0.31-12C	90744	A2	P	I	BECKER	366	20.13	
1024-0.31-13C	90744	A2	P	I	BECKER	366	20.13	
1024-0.31-8C	90744	A2	P	I	BECKER	366	20.13	
1024-0.31-9C	90744	A2	P	I	BECKER	366	20.13	
1192-7.83-0-CS	91356	A3	P	I	BECKER	366	20.13	
1192-7.83-1-CS1	91356	A3	P	I	BECKER	366	20.13	
1230-0.75-R8	90744	A3	P	I	BECKER	366	20.13	
1230-0.75-R9	90744	A3	P	I	BECKER	366	20.13	
2001-207.69-R1C	91745	A3	P	I	DRESSER	366	20.13	
2001-207.69-R3C	91745	A3	P	I	DRESSER	366	20.13	
2003-15.23-11-E	90303	A3	P	I	BECKER	366	20.13	
2003-15.23-12-E	90303	A3	P	I	BECKER	366	20.13	
2003-8.80-R3.01	90280	A3	P	I	BECKER	366	20.13	

2003-8.80-R4.01	90280	A3	P	I	BECKER	366	20.13
2003-8.94-0-CS	90280	A3	P	I		366	20.13
2007-0.04-1-C	90810	A3	P	I	DRESSER	366	20.13
3000-265.74-R1.01C	91607	A3	P	I	BECKER	366	20.13
765-6.20-0-CS	90031	A3	P	I	BECKER	366	20.13
CONTROLH15.01	91803	A3	P	I	VRG	366	20.13
1001-0.00-7C	93003	A3	P	I		366	20.13
1001-0.00-9C	93003	A3	P	I		366	20.13
1018-24.86-7BPE	92629	A3	P	I	DRESSER	366	20.13
1018-24.86-8BPE	92629	A3	P	I	DRESSER	366	20.13
1024-0.31-12OPP	90744	A2	P	I		366	20.13
1024-0.31-13OPP	90744	A2	P	I		366	20.13
1027-0.00-1OPPM	92555	A3	P	I	VRG	366	20.13
1028-0.00-12	92555	A3	P	I		366	20.13
1030-72.16-29OPP	92201	A3	P	I	P.B.E.	366	20.13
1185-5.11-10VRP	92392	A3	P	I	BECKER	366	20.13
1185-5.11-14VRP	92392	A3	P	I	BECKER	366	20.13
120-103.49-1-C	91436	A3	P	I		366	20.13
2001-191.19-5C	91709	A3	P	I	DRESSER	366	20.13
4002-109.89-3OPP	92887	A3	P	I	VRG	366	20.13
4002-76.62-2-1OPP	92336	A3	P	I		366	20.13
6001-30.23-11OPPM	92233	A3	P	I	BECKER	366	20.13
6001-30.23-7OPPM	92233	A3	P	I	BECKER	366	20.13
6001-30.23-8OPPS	92233	A3	P	I	BECKER	366	20.13
6900-0.00-10	92555	A3	P	I		366	20.13
6916-54.06-10VRP	92277	A3	P	I	BECKER	366	20.13
6916-54.06-11VRP	92277	A3	P	I	BECKER	366	20.13
6916-54.06-14VRP	92277	A3	P	I	BECKER	366	20.13
6916-54.06-15VRP	92277	A3	P	I	BECKER	366	20.13
7053-8.25-5OPPM	93268	A3	P	I	VRG	366	20.13
7053-8.25-9OPPM	93268	A3	P	I	VRG	366	20.13
85-156.72-10C	91355	A3	P	I	BECKER	366	20.13
85-156.72-7C	91355	A3	P	I	BECKER	366	20.13
BY-NG-01-047	92225	A3	P	I	NORDSTRO	366	20.13
CN-2001-OP.CONT	91709	A3	P	I		366	20.13
CR- #10634	93066	A3	P	I		366	20.13
HASKELL-M-1	91436	A3	P	I		366	20.13
HASKELL-M-2	91436	A3	P	I		366	20.13
HV-100-A	93455	A3	P	I	VRG	366	20.13
HV-100-B	93455	A3	P	I	VRG	366	20.13
KETPGE-8-3	93239	A3	P	I		366	20.13
KETPGE-9-3	93239	A3	P	I	BECKER	366	20.13
KETPGE-9-4	93239	A3	P	I	BECKER	366	20.13
4000-111.11-2OPPS	92887	A3	P	I	VRG	366	20.13
4002-109.89-2OPPS	92887	A3	P	I	VRG	366	20.13

Sum Total	2,778
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Notes:

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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 with unintentional leaks that if repaired would not be 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 M&R Station Component Fugitive Leaks:

Transmission M&R Station Component Fugitive Leaks:										12/31/2024	1/1/2024		
ID	Geographic Location	Station Classification	Device Type	Bleed Rate	Manufacturer	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	Prior Survey Date (MM/DD/YYYY)	
8513173	92262 A3	A3	C			1/16/2024	1/17/2024	17	0.223	3.791		10/25/2023	
8555952	92821 A3		C			3/6/2024	3/7/2024	67	0.223	14.941		11/13/2023	
8269040	93277 A3	A3	C			3/13/2023	3/1/2024	61	0.223	13.603		9/6/2022	
8579910	92887 A3		C			3/22/2024	3/22/2024	82	0.161	13.202		11/17/2023	
8714972	92887 A3	A3	C			8/21/2024	8/21/2024	91	0.223	20.293		5/23/2024	
8738469	92821 A3		C			8/29/2024	8/29/2024	35	0.223	7.805		7/26/2024	
8777080	93268 A3	A3	C			11/7/2024	11/7/2024	80	0.223	17.84		8/20/2024	
8463860	91709 A3		C			8/23/2023	5/28/2024	149	0.223	33.227		5/23/2023	
8575934	93277 A3	A3	V			3/22/2024	6/21/2024	173	0.252	43.596		10/24/2023	
8579792	91350 A3		V			3/6/2024	10/25/2024	295	0.252	74.34		1/5/2024	
8721986	93066 A3	A3	V			8/26/2024	10/22/2024	191	0.252	48.132		4/15/2024	
8767293	93003 A3		V			10/21/2024		131	0.252	33.012		8/23/2024	
Sum Total										324			

Appendix 2; Rev. 03/27/2025

Header column "Comment" boxes displayed below for reference.	
Column Heading	Description and Definition of Required Contents (IF not self-explanatory)
Station Leaks and Emissions	
Number of Stations	
Station Classification	D = direct sale T = transmission-to-transmissions interconnect As revised in 2021, enter Farm Taps in Appendix 5
Emission Factor (Mscf/yr)	
Annual Emission (Mscf)	
Explanatory Notes / Comments	
Blowdowns	
ID	
Geographic Location	GIS, zip code, or equivalent
Number of Blowdown Events	
Annual Emissions (Mscf)	
Explanatory Notes / Comments	
Component Vented Emissions	
Geographic Location	GIS, zip code, or equivalent
Station Classification	A1 = above grade, pressure <100 psi A2 = above grade, pressure =100-300 psi A3 = above grade, pressure >300 psi B1 = below grade, pressure <100 psi B2 = below grade, pressure =100-300 psi B3 = below grade, pressure >300 psi
Device Type	C = connector O = open-ended line M = meter P = pneumatic device PR = pressure relief valve V = valve
Bleed Rate	L = low bleed I = intermittent bleed H = high bleed NA = not applicable
Manufacturer	
Number of Days Emitting	Because the emissions are a factor of design or function, these emissions counted for the entire year.

Annual Emissions (Mscf)	The emissions should be based on 365 days times the actual volume emitting if known, or the approved Emissions Factor. Note whether the emissions are based on actual volumetric measures in the next column.
Explanatory Notes / Comments	
Component Fugitive Leaks	
ID	
Geographic Location	GIS, zip code, or equivalent
Station Classification	A1 = above grade, pressure <100 psi A2 = above grade, pressure =100-300 psi A3 = above grade, pressure >300 psi B1 = below grade, pressure <100 psi B2 = below grade, pressure =100-300 psi B3 = below grade, pressure >300 psi
Device Type	C = connector O = open-ended line M = meter P = pneumatic device PR = pressure relief valve V = valve
Bleed Rate	L = low bleed I = intermittent bleed H = high bleed NA = not applicable
Manufacturer	
Discovery Date (MM/DD/YY)	List the actual discovery date. If the leak was discovered in the year of interest, then we will assume the component was leaking from the beginning of the year for emissions reporting purposes, or prior survey date if surveyed previously within the year of interest.
Repair Date (MM/DD/YY)	Date that the component repair stopped the leak. Any associated blowdowns as a result of the repair should be included in the blowdowns tab.
Number of Days Leaking	Assume Leaking from January 1 of subject year or prior survey date, whichever is later, thru the repair date (if repaired in year of interest) or December 31 of subject year, whichever is earlier. For O&M discovered leaks, assume that the leak begins with the discovery date thru repair date or December 31st of subject year, whichever is earlier.
Emission Factor (Mscf/day/dev)	
Annual Emissions (Mscf)	
Explanatory Notes / Comments	